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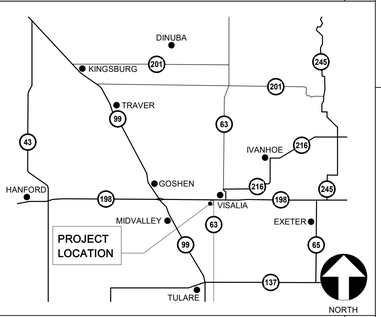
PLOT DATE: 8/14/2026 1:34:36 PM

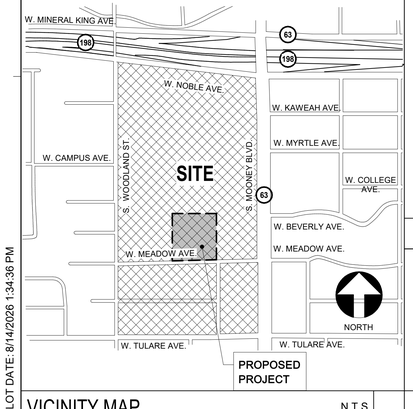
GENERAL NOTES

1. A COPY TITLE 24 C.C.R. PARTS 1 AND 2 SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD) AS REQUIRED BY CAC, C.C.R., T24 PART I, SECTION 4-338 AND SHALL BE SUBMITTED TO, AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR A-6.
3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF CAC, C.C.R., T24 PART I, SECTION 4-335, AND APPROVED T & I SHEET.
4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH CAC, C.C.R., T24 PART I, SECTION 4-335 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY, A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. COSTS OF RETEST MAY BE BACK CHARGED TO THE CONTRACTOR.
5. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE CONCRETE PER CAC, C.C.R., T24 PART I, SECTION 4-331.
6. A DSA CERTIFIED CLASS 1 INSPECTOR REQUIRED FOR THIS PROJECT SHALL BE EMPLOYED BY OWNER AND APPROVED BY ARCHITECT, STRUCTURAL ENGINEER, AND DSA AND SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. INSPECTOR SHALL BE IN ACCORDANCE WITH CAC, C.C.R., T24 PART I, SECTION 4-333(b). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH CAC, C.C.R., T24 PART I, SECTION 4-342.
7. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH CAC, C.C.R., T24 PART I, SECTION 4-334.
8. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM SSS-6) IN ACCORDANCE WITH CAC, C.C.R., T24 PART I, SECTION 4-336.
9. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH CAC, C.C.R., T24 PART I, SECTION 4-335(a) AND 4-341.
10. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH CAC, C.C.R., T24 PART I, SECTION 4-343.
11. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH TITLE 24 C.C.R. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, C.C.R., A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
12. SUBSTITUTIONS AND REQUESTS FOR INFORMATION AFFECTING STRUCTURAL SAFETY, FIRE AND LIFE SAFETY OR ACCESS COMPLIANCE SHALL BE APPROVED BY DSA PRIOR TO FABRICATION OR USE.
13. ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA.
14. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.
15. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
16. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
    - ARCHITECT OR ENGINEER OF RECORD
    - STRUCTURAL ENGINEER (WHEN APPLICABLE)
    - DELEGATED PROFESSIONAL ENGINEER
17. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
18. ALL CONSTRUCTION AND DEMOLITION BE IN ACCORDANCE WITH CBC CHAPTER 33, CFC CHAPER 33 AND THE WRITTEN SITE SAFETY PLAN.
19. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
20. DSA IS NOT SUBJECT TO ARBITRATION.
21. ALL WORK SHALL CONFORM TO 2022 TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).

GENERAL NOTES



AREA MAP N.T.S.



VICINITY MAP N.T.S.

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
SEQUOIAS COMMUNITY COLLEGE DISTRICT

DSA APPL. NO.: 02-123516
DSA FILE NO.: 54-C2

GENERAL

PROJECT ADDRESS: COLLEGE OF THE SEQUOIAS
915 S. MOONEY BLVD.
VISALIA, CA 93277

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF DEMOLITION OF EXISTING STRUCTURES ON 2.5 +/- ACRES OF THE CAMPUS, AND IMPROVEMENTS CONSISTING OF INFRASTRUCTURE UPGRADES, OFF-SITE PUBLIC IMPROVEMENTS AND ON-SITE IMPROVEMENTS INCLUDING THE CONSTRUCTION OF A NEW +/- 46,792 SF, 2-STORY, STEEL FRAMED STUDENT UNION BUILDING FOR EDUCATIONAL USE, AS WELL AS HARDSCAPE AND LANDSCAPE IMPROVEMENTS.

- THE PROJECT WILL BE LOCALLY FUNDED UNDER MEASURE 'C' BOND FUNDS APPROVED IN 2022

	CODE EDITION	OCCUPANCY CLASSIFICATION	CONSTRUCTION TYPE
STUDENT UNION (SU) BUILDING	2022	B, A-2, M	II-B (FULLY SPRINKLERED)

CERTIFICATION
THIS PROJECT (02123516) CANNOT BE CERTIFIED UNTIL THE FOLLOWING PROJECT CONTAINING REQUIRED ACCESSIBLE COMPONENTS IS CERTIFIED:
02-122831 (UNDER CONSTRUCTION)

DEFERRED APPROVALS

FABRICATION AND INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

1. WINDOW WALL SYSTEM (CURTAIN WALL AND STOREFRONT)
2. ELEVATOR GUIDE RAILS
3. DOORS WITH SPAN GREATER THAN 10'-0" (ALUMINUM FRAMED SLIDING GLASS DOORS, OVERHEAD SECURITY GRILLES)

GOVERNING CODES

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), C.C.R. TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24, PART 2
2022 CALIFORNIA ELECTRICAL CODE (CEC), C.C.R. TITLE 24, PART 3
2022 CALIFORNIA MECHANICAL CODE (CMC), C.C.R. TITLE 24, PART 4
2022 CALIFORNIA PLUMBING CODE (CPC), C.C.R. TITLE 24, PART 5
2022 CALIFORNIA FIRE CODE (CFC), C.C.R. TITLE 24, PART 9
2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24, PART 12
2022 CALIFORNIA ENERGY CODE (CEC), C.C.R. TITLE 24, PART 6
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), C.C.R. TITLE 24, PART 11
C.C.R., TITLE 19 PUBLIC SAFETY STATE FIRE MARSHAL REGULATIONS
NFPA 13-22 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED)
NFPA 24-22 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (AS AMENDED)
NFPA 25-13CA (CALIFORNIA NFPA 25 EDITION) INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
NFPA 72-22 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)
UL 38-99 MANUALLY ACTUATED SIGNALING BOXES (AS AMENDED)
UL 268-2016 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS
UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATION (AS AMENDED)
UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)
UL 521-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (AS AMENDED)
UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION)
UL 1971 SIGNALING DEVICES FOR THE HEARING IMPAIRED (2004 EDITION)
AMERICANS WITH DISABILITIES ACT

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

APPLICATION NO:. 02-123516 FILE NO:. 54-C2

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341, AND 4-344" OF TITLE 24, PART I.

I CERTIFY THAT:

☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX
☐ THIS DRAWING OR PAGE

IS/ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

ARCHITECT'S SIGNATURE — 08-14-2026 DATE
STEVEN M. POLANCO
ARCHITECT/ PARTNER
TETER, INC.

C-38646 — 05-31-27
LICENSE NUMBER — EXPIRATION DATE

OWNER
COLLEGE OF THE SEQUOIAS COMMUNITY COLLEGE DISTRICT
915 S. MOONEY BLVD.
VISALIA, CA 93277
(559) 730-3988
CONTACT: BYRON WOODS
EMAIL: byronw@cos.edu

PROJECT ARCHITECT
TETER, INC.
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: STEVEN M. POLANCO
E-MAIL: steven.polanco@teterae.com

CIVIL ENGINEER
BLAIR, CHURCH & FLYNN
405 CLOVIS AVE. SUITE 200
CLOVIS, CA 93612
(559) 326-1400
CONTACT: LANE BADER
EMAIL: labder@bcf-engr.com

LANDSCAPE ARCHITECT
DAVID BIGLER ASSOCIATES
516 W. SHAW AVE., SUITE 101
FRESNO, CA 93704
(559) 276-9495
CONTACT: DAVE BIGLER
EMAIL: dave.bigler@aol.com

STRUCTURAL ENGINEER
TETER, INC.
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: MEGAN CHANG
E-MAIL: megan.chang@teterae.com

MECHANICAL/PLUMBING ENGINEER
TETER, INC.
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: STEVEN JONES
E-MAIL: steven.jones@teterae.com

ELECTRICAL ENGINEER
TETER, INC.
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: BRYAN GLASS
E-MAIL: bryan.glass@teterae.com

FIRE SPRINKLER ENGINEER
CORDINER CONSULTNG LLC
PO BOX 319
FLORA, MS 39071
(732) 547-4228
CONTACT: WAYNE CORDINER
E-MAIL: wcordiner@cordinerco.com

PROJECT DIRECTORY

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
COVER SHEET

PROJECT NO.
22-12499

DRAWING
G000

GENERAL		A811	EXTERIOR OPENING DETAILS	PLUMBING	
G000	COVER SHEET	A812	EXTERIOR OPENING DETAILS	P001	PLUMBING LEGENDS AND NOTES
G001	SHEET INDEX	A813	EXTERIOR OPENING DETAILS	P002	PLUMBING SCHEDULES
G100	OVERAL SITE PLAN - LOCAL FIRE AUTHORITY	A814	INTERIOR OPENING DETAILS	P100	PLUMBING SITE PLAN
G201	FIRST FLOOR - BUILDING CODE ANALYSIS	A815	INTERIOR OPENING DETAILS	P101	ENLARGED PLUMBING SITE PLAN - SERVICE YARD
G202	SECOND FLOOR - BUILDING CODE ANALYSIS	A820	EXTERIOR WALL DETAILS	P210	PLUMBING FLOOR PLAN - FIRST FLOOR
5		A821	EXTERIOR WALL DETAILS	P211	ENLARGED PLUMBING FLOOR PLANS - FIRST FLOOR (RESTROOMS)
CIVIL		A822	EXTERIOR WALL DETAILS	P212	ENLARGED PLUMBING FLOOR PLAN - FIRST FLOOR (KITCHEN)
C100	TOPOGRAPHIC SURVEY LEGEND AND NOTES	A823	EXTERIOR WALL DETAILS	P220	PLUMBING FLOOR PLAN - SECOND FLOOR
C101	PARTIAL TOPOGRAPHIC SURVEY	A824	EXTERIOR WALL DETAILS	P221	ENLARGED PLUMBING FLOOR PLANS - SECOND FLOOR
C102	PARTIAL TOPOGRAPHIC SURVEY	A825	EXTERIOR WALL DETAILS	P500	PLUMBING ROOF PLAN
C201	PARTIAL DEMOLITION PLAN	A826	EXTERIOR WALL DETAILS	P800	PLUMBING DETAILS
C202	PARTIAL DEMOLITION PLAN	A827	EXTERIOR WALL DETAILS	11	
C301	PARTIAL SITE PLAN	A828	EXTERIOR WALL DETAILS	MECHANICAL	
C302	PARTIAL SITE PLAN	A829	EXTERIOR WALL DETAILS	M001	MECHANICAL LEGENDS AND NOTES
C401	PARTIAL HORIZONTAL CONTROL PLAN	A830	EXTERIOR WALL DETAILS	M002	MECHANICAL SCHEDULES
C402	PARTIAL HORIZONTAL CONTROL PLAN	A831	EXTERIOR WALL DETAILS	M003	MECHANICAL SCHEDULES
C403	HORIZONTAL CONTROL PLAN TABLE	A832	EXTERIOR WALL DETAILS	M004	MECHANICAL SCHEDULES
C501	PARTIAL GRADING AND DRAINAGE PLAN	A835	ROOF DETAILS	M100	PARTIAL MECHANICAL SITE PLAN
C502	PARTIAL GRADING AND DRAINAGE PLAN	A836	ROOF DETAILS	M210	MECHANICAL FLOOR PLAN - FIRST FLOOR
C601	UTILITY PLAN	A837	ROOF DETAILS	M211	ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR
X101	DETAILS	A838	ROOF DETAILS	M212	ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR
X102	DETAILS	A839	ROOF DETAILS	M213	ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR
15		A840	ROOF DETAILS	M220	MECHANICAL FLOOR PLAN - SECOND FLOOR
LANDSCAPE		A845	CEILING DETAILS	M221	ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR
L100	LANDSCAPE DEMOLITION PLAN	A846	CEILING DETAILS	M222	ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR
L101	LANDSCAPE DEMOLITION PLAN	A847	CEILING DETAILS	M223	ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR
L102	LANDSCAPE IRRIGATION DEMOLITION PLAN	A848	CEILING DETAILS	M310	MECHANICAL PIPING PLAN - FIRST FLOOR
L103	LANDSCAPE IRRIGATION DEMOLITION PLAN	A850	VERTICAL SYSTEMS DETAILS	M320	MECHANICAL PIPING PLAN - SECOND FLOOR
L200	LANDSCAPE PLANTING PLAN	A851	VERTICAL SYSTEMS DETAILS	M500	MECHANICAL ROOF PLAN
L201	LANDSCAPE PLANTING PLAN	A853	VERTICAL SYSTEMS DETAILS	M700	EMS CONTROLS
L300	LANDSCAPE IRRIGATION PLAN	A854	VERTICAL SYSTEMS DETAILS	M701	EMS CONTROLS
L301	LANDSCAPE IRRIGATION PLAN	A855	VERTICAL SYSTEMS DETAILS	M702	EMS CONTROLS
L302	LANDSCAPE IRRIGATION LEGEND	A860	INTERIOR DETAILS	M800	MECHANICAL DETAILS
L400	LANDSCAPE & IRRIGATION DETAILS	A861	INTERIOR DETAILS	M801	MECHANICAL DETAILS
L401	LANDSCAPE & IRRIGATION DETAILS	A862	INTERIOR DETAILS	M802	MECHANICAL PIPING DIAGRAM
L402	LANDSCAPE & IRRIGATION DETAILS	A863	INTERIOR DETAILS	M803	KITCHEN HOOD DETAILS
L403	LANDSCAPE & IRRIGATION DETAILS	A864	INTERIOR DETAILS	M804	KITCHEN HOOD DETAILS
L404	LANDSCAPE & IRRIGATION DETAILS	A870	FIRE RATED DETAILS	M805	KITCHEN HOOD DETAILS
14		A871	FIRE RATED DETAILS	M806	KITCHEN HOOD DETAILS
ARCHITECTURAL		A872	FIRE RATED DETAILS	M807	KITCHEN HOOD DETAILS
A000	LEGENDS AND ABBREVIATIONS	A873	FIRE RATED DETAILS	M900	TITLE 24 DOCUMENTATION
A001	WALL TYPES	A874	FIRE RATED DETAILS	M901	TITLE 24 DOCUMENTATION
A100	ENLARGED DEMOLITION - SITE PLAN	A875	ACOUSTIC DETAILS	M902	TITLE 24 DOCUMENTATION
A101	ENLARGED DEMOLITION - SITE PLAN	A880	COLUMN FURRING DETAILS - FIRST FLOOR	30	
A102	ENLARGED DEMOLITION - SITE PLAN	A881	COLUMN FURRING DETAILS - FIRST FLOOR	ELECTRICAL	
A103	ENLARGED DEMOLITION - SITE PLAN	A882	COLUMN FURRING DETAILS - SECOND FLOOR	E100	ELECTRICAL SITE DEMOLITION PLAN
A110	ENLARGED PROPOSED - SITE PLAN	A883	COLUMN FURRING DETAILS - SECOND FLOOR	E101	ELECTRICAL SITE PLAN
A111	ENLARGED PROPOSED SITE - SERVICE YARD	A901	FLOOR FINISH PLAN - FIRST FLOOR	E102	ELECTRICAL SITE PLAN - LIGHTING
A112	ENLARGED PROPOSED - SITE PLAN	A902	FLOOR FINISH PLAN - SECOND FLOOR	E103	ELECTRICAL SITE PLAN - LIGHTING PHOTOMETRICS
A113	ENLARGED PROPOSED SITE PLAN	A910	INTERIOR ELEVATIONS - FIRST FLOOR	E104	ELECTRICAL SITE PLAN - EV CHARGER
A114	ENLARGED PROPOSED SITE - CONCRETE STEPS	A911	INTERIOR ELEVATIONS - FIRST FLOOR	E200	ELECTRICAL POWER PLAN - FIRST FLOOR
A115	ENLARGED PROPOSED - SITE PLAN	A912	INTERIOR ELEVATIONS - FIRST FLOOR	E201	ELECTRICAL POWER PLAN - FIRST FLOOR - MECHANICAL EQUIPMENT
A116	SITE ELEVATIONS - DECORATIVE METAL FENCE	A913	INTERIOR ELEVATIONS - FIRST FLOOR	E202	ENLARGED ELECTRICAL PLANS - ROOMS 119-122, 134
A117	SITE ELEVATIONS	A914	INTERIOR ELEVATIONS - FIRST FLOOR	E203	ENLARGED ELECTRICAL PLANS - ROOMS 104, 111-114, 118, AND 126
A120	SITE DETAILS	A915	INTERIOR ELEVATIONS - FIRST FLOOR	E210	ELECTRICAL POWER PLAN - SECOND FLOOR
A121	SITE DETAILS - CHAIN LINK FENCE	A916	INTERIOR ELEVATIONS - FIRST FLOOR	E211	ELECTRICAL POWER PLAN - SECOND FLOOR - MECHANICAL EQUIPMENT
A122	SITE DETAILS - DECORATIVE METAL FENCE	A917	INTERIOR ELEVATIONS - FIRST FLOOR	E220	ELECTRICAL POWER PLAN - ROOF
A210	FIRST FLOOR PLAN	A918	INTERIOR ELEVATIONS - FIRST FLOOR	E300	LIGHTING POWER PLAN - FIRST FLOOR
A211	FIRST FLOOR PLAN - DIMENSIONS & INTERIOR WALL TYPES	A919	INTERIOR ELEVATIONS - FIRST FLOOR	E301	LIGHTING CONTROL PLAN - FIRST FLOOR
A220	SECOND FLOOR PLAN	A920	INTERIOR ELEVATIONS - FIRST FLOOR	E302	LIGHTING PHOTOMETRICS - FIRST FLOOR
A221	SECOND FLOOR PLAN - DIMENSIONS & INTERIOR WALL TYPES	A921	INTERIOR ELEVATIONS - FIRST FLOOR	E310	LIGHTING POWER PLAN - SECOND FLOOR
A230	ROOF PLAN	A922	INTERIOR ELEVATIONS - SECOND FLOOR	E311	LIGHTING CONTROL PLAN - SECOND FLOOR
A300	EXTERIOR ELEVATIONS	A923	INTERIOR ELEVATIONS - SECOND FLOOR	E312	LIGHTING PHOTMETRICS PLAN - SECOND FLOOR
A301	EXTERIOR ELEVATIONS	A924	INTERIOR ELEVATIONS - SECOND FLOOR	E400	SIGNAL PLAN - FIRST FLOOR
A302	EXTERIOR ELEVATIONS	A925	INTERIOR ELEVATIONS - SECOND FLOOR	E410	SIGNAL PLAN - SECOND FLOOR
A400	BUILDING SECTIONS	A926	INTERIOR ELEVATIONS - SECOND FLOOR	E420	SIGNAL PLAN - ENLARGED COMMUNICATIONS ROOMS
A401	BUILDING SECTIONS	A927	INTERIOR ELEVATIONS - SECOND FLOOR	E500	FIRE ALARM PLAN - FIRST FLOOR
A402	BUILDING SECTIONS	A928	INTERIOR ELEVATIONS - SECOND FLOOR	E510	FIRE ALARM PLAN - SECOND FLOOR
A403	BUILDING SECTIONS	A929	INTERIOR ELEVATIONS - SECOND FLOOR	E600	ELECTRICAL DETAILS - SITE
A410	WALL SECTIONS AND PARTIAL WALL ELEVATIONS	143		E601	ELECTRICAL DETAILS - BUILDING
A411	WALL SECTIONS AND PARTIAL WALL ELEVATIONS	STRUCTURAL		E602	ELECTRICAL DETAILS - LIGHTING
A412	WALL SECTIONS AND PARTIAL WALL ELEVATIONS	S000	GENERAL NOTES	E603	ELECTRICAL DETAILS - SIGNAL
A413	WALL SECTION AND PARTIAL WALL ELEVATIONS	S001	GENERAL NOTES	E700	SINGLE LINE DIAGRAM - SELECTIVE DEMOLITION
A414	WALL SECTIONS AND PARTIAL WALL ELEVATIONS	S002	TYPICAL DETAILS - FOUNDATION	E701	SINGLE LINE DIAGRAM - SITE
A415	WALL SECTIONS AND PARTIAL WALL ELEVATIONS	S003	TYPICAL DETAILS - FOUNDATION	E702	SINGLE LINE DIAGRAM - STUDENT UNION BUILDING
A416	WALL SECTIONS AND PARTIAL WALL ELEVATIONS	S004	TYPICAL DETAILS - METAL STUD	E703	SIGNAL RISER DIAGRAM
A417	WALL SECTIONS AND PARTIAL WALL ELEVATIONS	S005	TYPICAL DETAILS - METAL STUD	E704	SINGLE LINE DIAGRAM - ELECTRIC VEHICLE
A420	WALL SECTION AND PARTIAL ELEVATION - BOOKSTORE	S006	TYPICAL DETAILS - SUPPLEMENTAL STEEL	E710	FIRE ALARM RISER DIAGRAM, LEGEND, SCHEDULES, & NOTES
A422	WALL SECTION AND PARTIAL ELEVATION - SUMMIT SLICE	S007	TYPICAL DETAILS - METAL DECK	E711	FIRE ALARM SYSTEM BATTERY, VOLTAGE DROP, AND dB LOSS CALCULATIONS
A423	DETAILS - SUMMIT SLICE	S008	TYPICAL DETAILS - METAL DECK	E712	FIRE ALARM SYSTEM BATTERY, VOLTAGE DROP, AND dB LOSS CALCULATIONS
A424	WALL SECTION AND PARTIAL ELEVATION - COCINA GIGANTE	S009	TYPICAL DETAILS - METAL DECK	E720	ELECTRICAL DETAILS - CONTACTOR DIAGRAMS
A425	DETAILS - COCINA GIGANTE	S010	TYPICAL DETAILS - STEEL	E800	ELECTRICAL SCHEDULES, LEGENDS, AND NOTES
A426	DETAILS - COCINA GIGANTE	S011	TYPICAL DETAILS - STEEL	E801	PANEL SCHEDULES
A427	WALL SECTION AND PARTIAL ELEVATION - THE GRIND	S012	TYPICAL DETAILS - MOMENT FRAME	E802	PANEL SCHEDULES
A428	DETAILS - THE GRIND	S013	TYPICAL DETAILS - MASONRY	E803	PANEL SCHEDULES
A429	DETAILS - THE GRIND	S100	FOUNDATION PLAN	E804	PANEL SCHEDULES
A430	WALL SECTION AND PARTIAL ELEVATION - GIANT GRILL	S101	SLAB EDGE PLAN	E805	PANEL SCHEDULES
A431	DETAILS - GIANT GRILL	S200	FLOOR FRAMING PLAN	E806	PANEL SCHEDULES
A432	WALL SECTION AND PARTIAL ELEVATION - GROVE MARKET	S201	FLOOR UPLIFT PRESSURE MAP	E900	ENERGY COMPLIANCE DOCUMENTS
A433	DETAILS - GROVE MARKET	S202	FLOOR DIAPHRAGM PLAN	E901	ENERGY COMPLIANCE DOCUMENTS
A510	ENLARGED FIRST FLOOR PLANS	S300	ROOF FRAMING PLAN	E903	ENERGY COMPLIANCE DOCUMENTS
A511	ENLARGED FIRST FLOOR PLANS - KITCHEN	S301	ROOF UPLIFT PRESSURE MAP	E904	ENERGY COMPLIANCE DOCUMENTS
A512	KITCHEN EQUIPMENT SCHEDULE	S400	MOMENT FRAME ELEVATIONS	47	
A513	KITCHEN EQUIPMENT SCHEDULE	S401	MOMENT FRAME ELEVATIONS	FIRE PROTECTION	
A514	ENLARGED FIRST FLOOR PLANS - KITCHEN UTILITIES	S402	WALL FRAMING ELEVATION	FP000.0	GENERAL INFORMATION
A515	DINING SODA ISLAND	S410	WALL SECTIONS	FP100.0	SITE PLAN
A516	GROVE MARKET CASEWORK	S411	WALL SECTIONS	FP101.0	SEISMIC CALCULATIONS
A517	DETAILS - KITCHEN EQUIPMENT ANCHORAGE	S412	ELEVATOR SECTIONS	FP210.0	FIRST FLOOR PIPING PLAN
A518	DETAILS - KITCHEN EQUIPMENT ANCHORAGE	S500	FOUNDATION DETAILS	FP220.0	SECOND FLOOR PIPING PLAN
A520	ENLARGED SECOND FLOOR PLANS	S501	FOUNDATION DETAILS	FP300.0	ELEVATIONS
A530	ENLARGED FLOOR PLANS - STAIRS	S600	FLOOR FRAMING DETAILS	FP400.0	SECTIONS
A531	ENLARGED FLOOR PLANS - STAIRS	S601	FLOOR FRAMING DETAILS	FP611.0	FIRST FLOOR REFLECTED CEILING PLAN
A532	GUARDRAIL ELEVATIONS	S700	ROOF FRAMING DETAILS	FP621.0	SECOND FLOOR REFLECTED CEILING PLAN
A533	ENLARGED FLOOR PLANS	S701	ROOF FRAMING DETAILS	FP800.0	DETAILS
A610	REFLECTED CEILING PLAN - FIRST FLOOR	S800	STAIR FRAMING PLANS & SECTIONS	10	
A620	REFLECTED CEILING PLAN - SECOND FLOOR	S801	STAIR FRAMING DETAILS	TOTAL PAGES: 315	
A700	DOOR SCHEDULES	S802	ENLARGED ELEVATOR PLAN & DETAILS		
A701	WINDOW SCHEDULE	S803	MISCELLANEOUS FRAMING & DETAILS		
A702	WINDOW SCHEDULE	S804	MISCELLANEOUS FRAMING & DETAILS		
A703	WINDOW SCHEDULE	S805	MISCELLANEOUS FRAMING & DETAILS		
A800	TYPICAL ACCESSIBILITY AND SIGNAGE DETAILS	S810	MISCELLANEOUS DETAILS		
A801	TYPICAL ACCESSIBILITY AND SIGNAGE DETAILS	40			
A810	EXTERIOR OPENING DETAILS				

SHEET INDEX

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SHEET INDEX

PROJECT NO.
22-12499

DRAWING
G001

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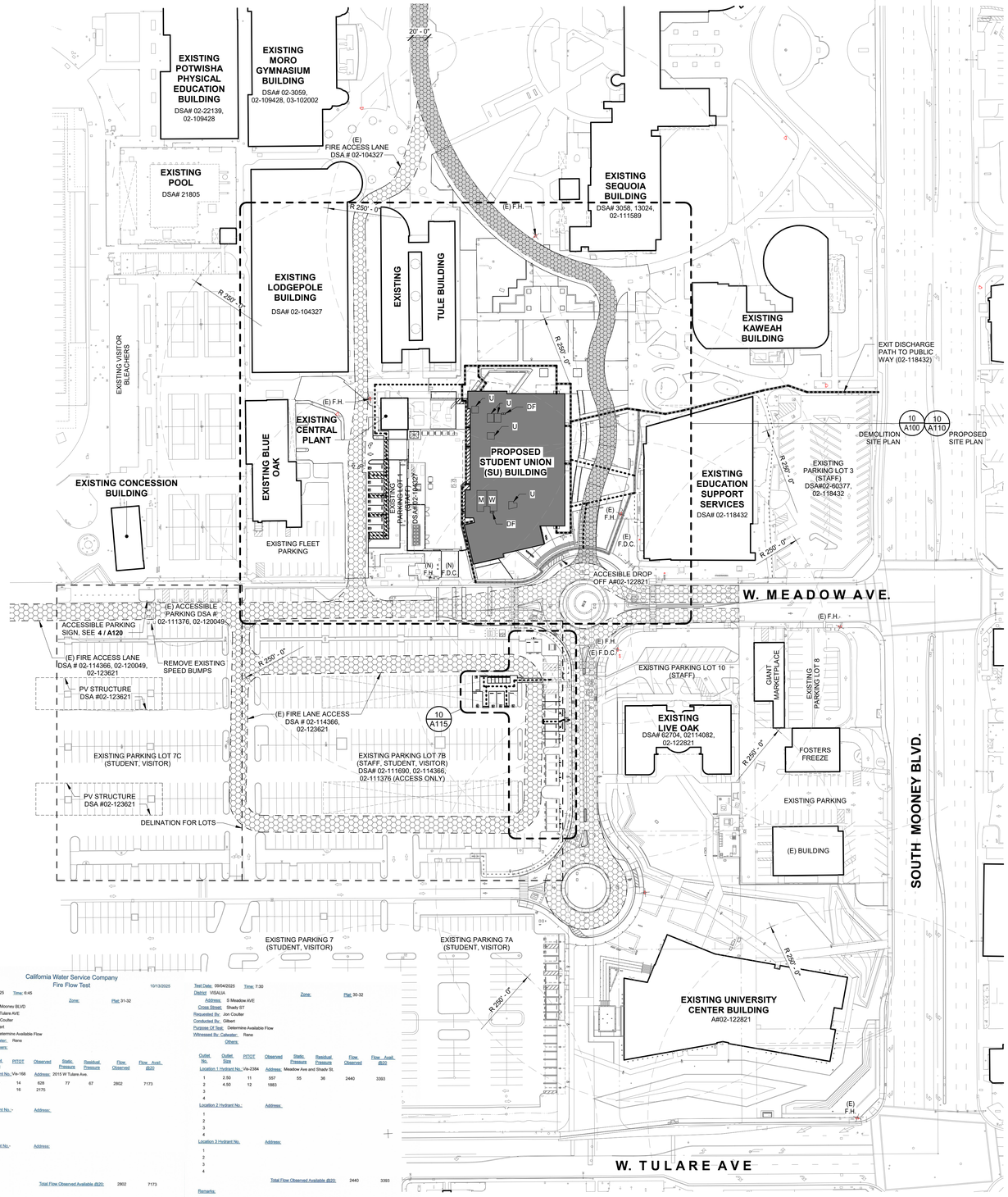
PLOT DATE: 8/17/2026 11:32:02 AM



California Water Service Company
Fire Flow Test 10/13/2025

Test Date: 10/13/2025 Time: 6:45
District: VISALIA Zone: Plat: 31-32
Address: S Mooney BLVD
Cross Street: W Tulare AVE
Requested By: Jon Coulter
Conducted By: Gilbert
Purpose Of Test: Determine Available Flow
Witnessed By: Calwater: Rene
Others:

Outlet No.	Outlet Size	PITOT	Observed	Static Pressure	Residual Pressure	Flow Observed	Flow Avail. @20
Location 1 Hydrant No.: Vle-168 Address: 2015 W Tulare Ave.							
1	2.50	14	628	77	67	2802	7173
2	4.50	16	2175				
3							
4							
Location 2 Hydrant No.: Address:							
1							
2							
3							
4							
Location 3 Hydrant No.: Address:							
1							
2							
3							
4							
Total Flow Observed Available @20:						2802	7173

Remarks:

Static/Residual Location: Vle-298 W Tulare Ave. and S Mooney Blvd.

Note:
Regardless of the results of this test, California Water Service Company assumes no liability beyond that stated in the following excerpt from the P.U.C. Tariff Schedule: "The utility (California Water Service Company) will supply only such water at such pressure as may be available from time to time as a result of its normal operation of the system."

Test Date: 09/04/2025 Time: 7:30
District: VISALIA Zone: Plat: 30-32
Address: S Meadow AVE
Cross Street: Shady ST
Requested By: Jon Coulter
Conducted By: Gilbert
Purpose Of Test: Determine Available Flow
Witnessed By: Calwater: Rene
Others:

Outlet No.	Outlet Size	PITOT	Observed	Static Pressure	Residual Pressure	Flow Observed	Flow Avail. @20
Location 1 Hydrant No.: Vle-2364 Address: Meadow Ave and Shady St.							
1	2.50	11	557	55	36	2440	3393
2	4.50	12	1883				
3							
4							
Location 2 Hydrant No.: Address:							
1							
2							
3							
4							
Location 3 Hydrant No. Address:							
1							
2							
3							
4							
Total Flow Observed Available @20:						2440	3393

Remarks:

Static/Residual Location: 1945 W Meadow Ave.

Note:
Regardless of the results of this test, California Water Service Company assumes no liability beyond that stated in the following excerpt from the P.U.C. Tariff Schedule: "The utility (California Water Service Company) will supply only such water at such pressure as may be available from time to time as a result of its normal operation of the system."

LOCAL FIRE AUTHORITY - SITE PLAN 1" = 60'-0" 15

PLOT DATE: 8/14/2026 1:35:03 PM

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DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings.*

PROJECT INFORMATION	
School District/Owner:	COLLEGE OF THE SEQUOIAS COMMUNITY COLLEGE DISTRICT
Project Name/School:	STUDENT UNION BUILDING/COS VISALIA CAMPUS
Project Address:	915 S MOONEY BLVD, VISALIA, CA 93277

FIRE & LIFE SAFETY INFORMATION			
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑	No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑	No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐	No ☑
	Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐ High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*		WIFA ☐

DGS DSA 810 (revised 12/29/20) Page 1 of 4

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.				
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.				
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.				
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

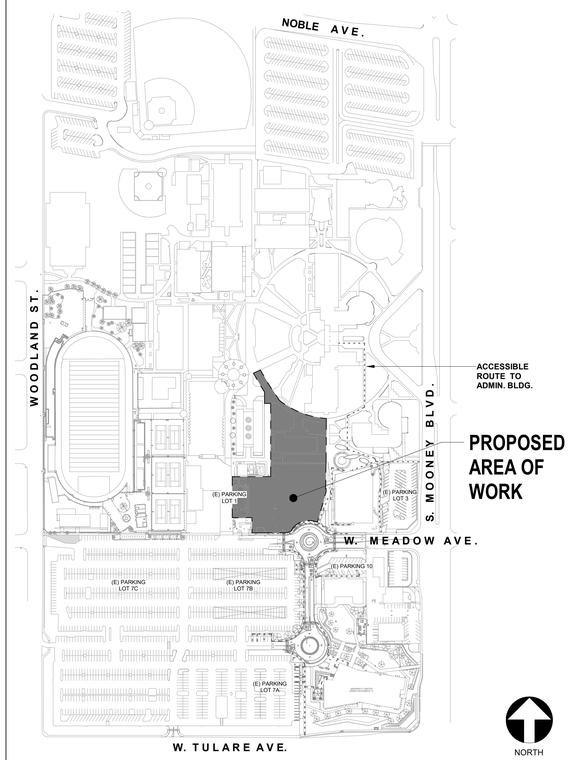
Accepted By: BYRON WOODS Title: DEAN OF FACILITIES

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	VISALIA FIRE DEPARTMENT
LFA Review Official:	CORBIN REED
Title: FIRE MARSHAL	Work Phone: (559) 713-4272
Work Email:	corbin.reed@visalia.city

LFA Reviewer's Signature: _____ Date: _____

DGS DSA 810 (revised 12/29/20) Page 2 of 4
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA



OVERALL CAMPUS - KEY PLAN N.T.S. 3

LEGEND

- EXISTING BUILDING NOT INCLUDED IN SCOPE OF WORK
- PROPOSED NEW STUDENT UNION BUILDING
- (N) F.H. - NEW FIRE HYDRANT
- (N) F.D.C. - NEW FIRE DEPARTMENT CONNECTION
- (E) F.H. - EXISTING FIRE HYDRANT TO REMAIN
- (E) F.D.C. - EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING FIRE TRUCK ACCESS LANE PER DSA APPL. # 02-104327, 02-105699 & 02-122821
- 20'-0" WIDE FIRE DEPARTMENT ACCESS ROUTE
- PROPERTY LINE
- EXIT DISCHARGE PATH TO PUBLIC WAY
- EXISTING ACCESSIBLE ROUTE PER DSA APPL. # 02-118432 & 02-122821
- ACCESSIBLE ROUTE (2022 C.B.C. SECTION 11B - 206)

THE ACCESSIBLE ROUTE IS A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES OF AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR, AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES. ACCESSIBLE ROUTES SHALL COMPLY WITH CBC 11B-402. IN GENERAL, EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH THE FOLLOWING: SHALL BE STABLE, FIRM, AND SLIP RESISTANT; HAVE A 1:20 MAXIMUM RUNNING SLOPE FOR WALKS; HAVE A 1:12 MAXIMUM SLOPE FOR RAMPS AND CURB RAMPS; HAVE A 1/4:12 MAXIMUM CROSS SLOPE; HAVE A 48" MINIMUM WIDTH; HAVE NO VERTICAL OFFSETS GREATER THAN 1/4"; OFFSETS BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NOT EXCEEDING 1V:2H; HAVE NO OPENINGS ALLOWING THE PASSAGE OF A 1/2" DIAMETER SPHERE; ELONGATED OPENINGS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL; HAVE A MINIMUM 6" HIGH CURB OR GUARDRAIL AT EDGES WHERE THE DROP OFF EXCEEDS 4" EXCEPT WHERE ADJACENT TO VEHICULAR WAYS; BE FREE OF ELEMENTS PROJECTING MORE THAN 4" FROM WALLS BETWEEN 27" AND 80" ABOVE THE WALKING SURFACE; AND HAVE 80" MINIMUM VERTICAL CLEARANCE.

DESIGN PROFESSIONAL IN CHARGE STATEMENT:

- THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.
- AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.
- ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

NOTE:
NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA; PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

PARKING ANALYSIS

PER CURRENT CAMPUS PARKING PLAN, TOTAL EXISTING PARKING SPACES PROVIDED ON CAMPUS ARE AS FOLLOWS:

STANDARD:
20 MINUTE: 19
CSUF: 15
GENERAL: 1,984
STAFF: 285

ACCESSIBLE: 41
TOTAL: 2,353

ACCESSIBLE SPACES REQUIRED (CBC 11B-208.2) FOR > 1,000 SPACES:
=20 SPACES + 1 FOR EACH 100 OVER 1,000
=20 SPACES + (1,353/100) SPACES
=20 SPACES + 14 SPACES
=34 SPACES REQUIRED < 41 EXISTING PROVIDED

THUS, NO ADDITIONAL ACCESSIBLE PARKING SPACES ARE REQUIRED.

CAMPUS FULL-TIME EQUIVALENT STUDENTS (FTES) FOR 2023-2024 = 5,833

5,833 / 2,353 = 2.48 FTES PER PARKING SPACE

2022 CA GREEN BUILDING STANDARDS ARTICLE 5.106.6.6.4.2, INSTALLATION OF PHOTOVOLTAIC SYSTEM IN A COMMUNITY COLLEGE PARKING LOT REQUIRES:

(E) PARKING LOT 1:

TOTAL PARKING SPACE COUNT: 9

TABLE 5.106.5.6.1, REQUIRES: 9 = 0 EVCS

TABLE 5.106.5.6.3, REQUIRES: 9 = 0kVA

(E) PARKING LOT 7C:

TOTAL PARKING SPACE COUNT: 319

TABLE 5.106.5.6.1, REQUIRES: 319 x 20% x 25% = 16 EVCS

TABLE 5.106.5.6.3, REQUIRES: 319 x .05 x 6.6 = 104.94kVA

TOTAL FOR PARKING LOTS 1 AND 7C:

TABLE 5.106.5.6.1 = 16 EVCS

TABLE 5.106.5.6.3 = 104.94kVA

(E) PARKING LOT 1 - PARKING ANALYSIS:
DSA# 02-104327

VAN ACCESSIBLE PARKING STALLS	2
REGULAR ACCESSIBLE PARKING STALLS	5
TOTAL PARKING STALLS	7

ACCESSIBLE SPACES REQUIRED (CBC 11B-208.2) FOR 1 TO 25 SPACES: 1 REQUIRED, 7 PROVIDED

(E) PARKING LOT 3 - PARKING ANALYSIS:
DSA# 02-60377, 02-118432

VAN ACCESSIBLE PARKING STALLS	1
STANDAR ACCESSIBLE PARKING STALLS	2
REGULAR PARKING STALLS	57
TOTAL PARKING STALLS	60

ACCESSIBLE SPACES REQUIRED (CBC 11B-208.2) FOR 51 TO 75 SPACES: 3 REQUIRED, 3 PROVIDED

(E) PARKING LOT 7B - PARKING ANALYSIS:
DSA# 02-111690, 02-114366, 02-111376 (ACCESS ONLY)

VAN ACCESSIBLE PARKING STALLS	2
STANDAR ACCESSIBLE PARKING STALLS	6
REGULAR PARKING STALLS	276
TOTAL PARKING STALLS	284

ACCESSIBLE SPACES REQUIRED (CBC 11B-208.2) FOR 201 TO 300 SPACES: 7 REQUIRED, 8 PROVIDED

(E) PARKING LOT 7C (NOT IN SCOPE) - PARKING ANALYSIS:
DSA# 02-111376 (ACCESS ONLY)

VAN ACCESSIBLE PARKING STALLS	3
STANDARD ACCESSIBLE PARKING STALLS	5
REGULAR PARKING STALLS	310
TOTAL PARKING STALLS	318

ACCESSIBLE SPACES REQUIRED (CBC 11B-208.2) FOR 301 TO 400: 8 REQUIRED, 8 EXISTING

ACCESSIBLE PARKING REQUIRED TO BE COVERED BY PV SYSTEM PER DSA IR 11B-9:

"6. PV SYSTEMS AT PARKING FACILITIES:

THE ACCESS COMPLIANCE REQUIREMENTS FOR THESE PROJECTS WILL BE DETERMINED BY THE FOLLOWING CONSIDERATIONS:

• WHETHER OR NOT THE EXISTING PARKING MEETS THE ACCESSIBILITY REQUIREMENTS.

• WHETHER OR NOT A REASONABLE PORTION OF ACCESSIBLE PARKING WILL BE SHADED OR COVERED BY THE PV SYSTEM ELEVATED COMPONENTS.

• WHETHER OR NOT NEW ACCESSIBLE PARKING PROVIDED UNDER THE PV SYSTEM ELEVATED COMPONENTS WILL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE TO A FACILITY ENTRANCE."

TOTAL NUMBER OF PARKING SPACES COVERED BY PV SYSTEM: 118

ACCESSIBLE SPACES REQUIRED (CBC 11B-208.2) FOR 101 TO 150: 5 REQUIRED

5 COVERED ACCESSIBLE PARKING SPACES PROVIDED IN ADJACENT LOT 7B PER 11B-208.3.1; EXCEPTION 2.

"PARKING SPACES SHALL BE PERMITTED TO BE LOCATED IN DIFFERENT PARKING FACILITIES IF SUBSTANTIALLY EQUIVALENT OR GREATER ACCESSIBILITY IS PROVIDED IN TERMS OF DISTANCE FROM AN ACCESSIBLE ENTRANCE OR ENTRANCES, PARKING FEE AND USER CONVENIENCE."

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
OVERAL SITE PLAN - LOCAL FIRE AUTHORITY

PROJECT NO.
22-12499

DRAWING
G100

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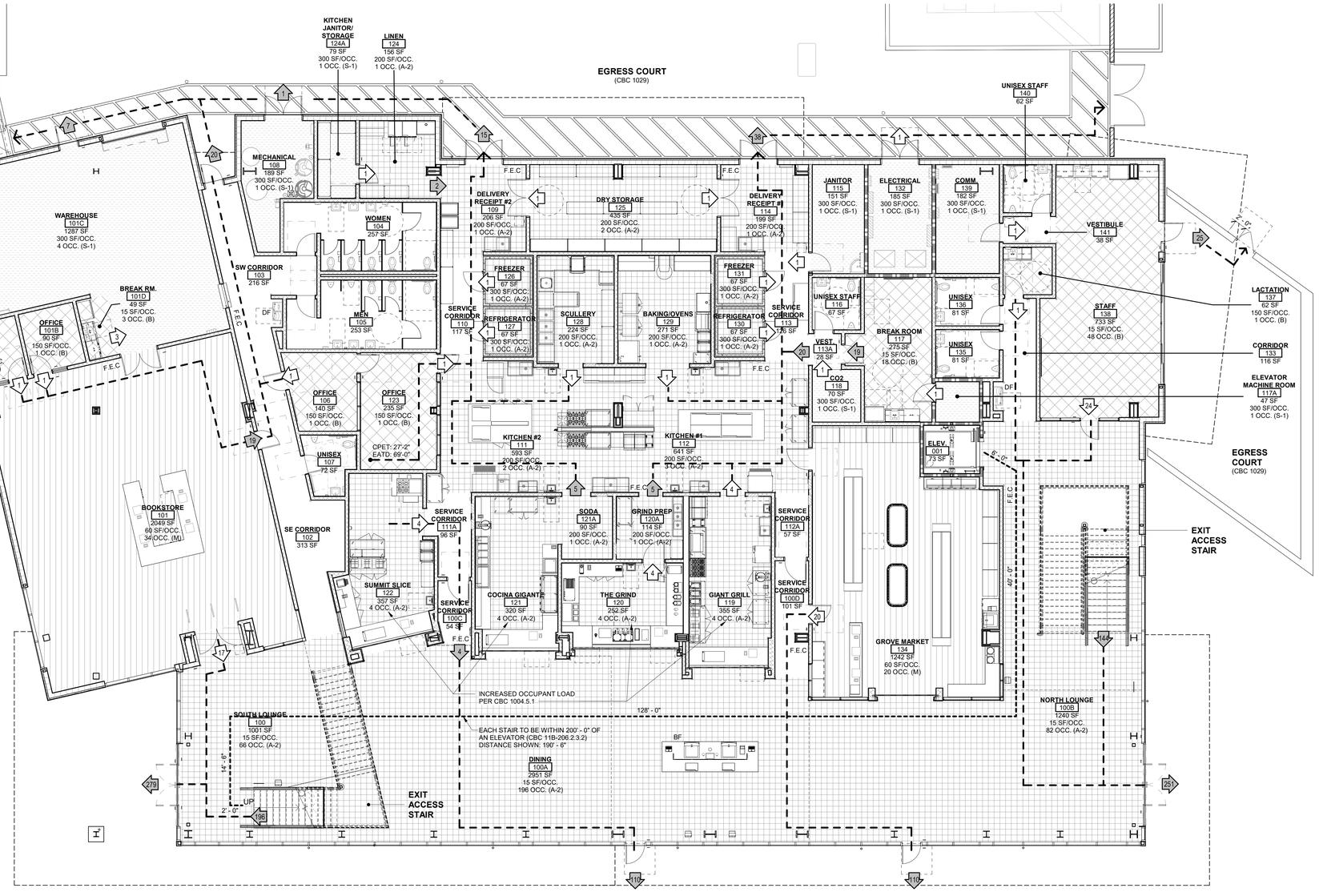

BUILDING CODE ANALYSIS

BUILDING CLASSIFICATION - TWO STORY STUDENT UNION

A. OCCUPANCY CLASSIFICATIONS (CBC SECTION 302):
   - A. 'A-2', ASSEMBLY, FOOD AND DRINK CONSUMPTION
   - B. 'B', BUSINESS, EDUCATIONAL OCCUPANCIES FOR STUDENTS ABOVE 12TH GRADE LESS THAN 50 OCCUPANTS
   - M. 'M' MERCANTILE, RETAIL STORES, MARKET
   - S. "S-1" STORAGE;

B. TYPE OF CONSTRUCTION (CBC SECTION 602):
   TYPE II-B NON COMBUSTIBLE WITH FULL AUTOMATIC FIRE SPRINKLERS THROUGHOUT

C. BUILDING HEIGHT AND NUMBER OF STORIES (CBC SECTION 402):
   HEIGHT IN FEET ABOVE GRADE PLANE (CBC SECTION 504.3):
   ALLOWABLE: 55' (A' OCCUPANCY WITH AREA INCREASE)
   ACTUAL: 40'

   STORIES ABOVE GRADE PLAN (CBC SECTION 504.4):
   ALLOWABLE: 2 (A-2' OCCUPANCY WITH AREA INCREASE)
   ACTUAL: 2

D. BUILDING AREA (CBC SECTION 508):
   NOTE: ALLOWABLE AREA BASED ON NON-SEPARATED OCCUPANCY PROVISIONS OF CBC 508.3 WITH THE AREA BASED ON A-2 OCCUPANCY BEING THE MOST RESTRICTIVE FOR THE AREA.

   THE FOLLOWING IS BASED ON A-2 OCCUPANCY, TYPE II-B CONSTRUCTION, SPRINKLERED, MULTI-STORY WITHOUT HEIGHT INCREASES PER CBC TABLES 504.3,504.4, AND 506.2

   AREA:
   ALLOWABLE AREA FACTORS:
   At = 28,500 SF (WITHOUT HEIGHT INCREASE)
   NS = 9,500 SF

   ALLOWABLE AREA CALCULATION (PER STOREY):
   (CBC 506.2.1, EQUATION 5-1, SINGLE OCCUPANCY BUILDING)

   Aa = At + (NS X If)
   At = 28,500 SF
   NS = 9,500 SF
   If = 0.75 (100% OF BUILDING PERIMETER WITH MINIMUM 30' - 0" OPEN SPACE)

   Aa = 28,500 SF + (9,500 SF x 0.75) = 35,625 SF TOTAL ALLOWABLE BUILDING AREA PER STORY, 71,250 SF TOTAL FOR 2 STORY BUILDING

ACTUAL AREA:	GND FLR (SF):	SCND FLR (SF):	
ENCLOSED	20,395	14,450	
BALCONY	N/A	550	
OVERHANGS	3,450	2,660	
TOTAL	23,845	18,103	41,948

OCCUPANT LOAD FACTORS

PER 2022 CALIFORNIA BUILDING CODE TABLE 1004.5, FOR THE FOLLOWING USES:
A. BUSINESS: 150 SF/OCC. GROSS
B. EDUCATION: 20 SF/OCC. NET
C. VOCATIONAL: 50 SF/OCC. NET
D. ASSEMBLY (UNCONCENTRATED): 15 SF/OCC. NET (DINING, TABLES AND CHAIRS)
E. ACCESSORY STORAGE ROOMS, MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS: 300 SF/OCC. GROSS
F. WAITING ROOMS (ASSEMBLY, LESS CONCENTRATED): 15 SF/OCC. NET
G. MERCANTILE: 60 SF/OCC. GROSS

TOTAL BUILDING OCCUPANT LOAD:
FIRST FLOOR: 517
SECOND FLOOR: 340
BUILDING TOTAL: 857

CORRIDOR CONSTRUCTION

A. FIRE RESISTIVE RATING (CBC SECTION 1020 AND TABLE 1020.2):
   NONE REQUIRED FOR SPRINKLERED BUILDING
B. CORRIDOR WIDTH (CBC TABLE 1020.2):
   44" MIN. WIDTH
C. DEAD END CORRIDOR (CBC SECTION 1020.5):
   20'-0" MAXIMUM

EGRESS

A. COMMON PATH OF EGRESS TRAVEL (CBC TABLE 1006.2.1):
   - 'A', 'M' OCCUPANCIES = 75'-0" MAX.
   - 'B' OCCUPANCY = 100'-0" MAX.
B. EXIT ACCESS TRAVEL DISTANCE (CBC SECTION 1017 & TABLE 1017.2):
   - 'A', 'M' OCCUPANCIES = 250'-0" MAX.
   - 'B' OCCUPANCY = 300'-0" MAX.
C. NUMBER OF EXITS REQUIRED (CBC SECTION 1006 & TABLE 1006.3.3):
   1. REQUIRED FOR FIRST FLOOR: 517 OCCUPANTS = 3 MIN. (3 PROVIDED)
   2. REQUIRED FOR SECOND FLOOR: 340 OCCUPANTS = 2 MIN. (2 PROVIDED)
   3. EXIT SEPARATION AT ROOMS REQUIRING 2 EXITS: 1/3 ROOM DIAGONAL (CBC 1007.1.1, EXCEPTION 2)
D. EGRESS WIDTH COMPONENT (CBC SECTION 1005.3.2):
   1. A 15" FACTOR PER OCCUPANT (SPRINKLERED AND EMERGENCY VOICE ALARM SYSTEM)
   2. EXIT STAIR WIDTH WILL ACCOMODATE 220 OCCUPANTS 37" MIN. AND WILL ACCOMODATE 220 OCCUPANTS
E. EGRESS WIDTH STAIRS (CBC SECTION 1005.3.1):
   1. 0.2" CAPACITY FACTOR PER OCCUPANT (SPRINKLERED AND EMERGENCY VOICE ALARM SYSTEM)
   2. A 66" STAIR WIDTH WILL ACCOMODATE 330 OCCUPANTS
F. SEE EXITING PLAN FOR TRAVEL DISTANCE AND EGRESS WIDTH.

PLUMBING FIXTURE CALCULATION

GROUP 'A-2' OCCUPANCY:
366 OCC / 2 = 183 MEN, 183 WOMEN

GROUP 'B' OCCUPANCY:
411 OCC / 2 = 205.5 MEN, 205.5 WOMEN

GROUP 'M' OCCUPANCY:
54 OCC / 2 = 27 MEN, 27 WOMEN

GROUP 'S-1' OCCUPANCY:
15 OCC / 2 = 7.5 MEN, 7.5 WOMEN

FIXTURE COUNT REQ'D (2022 CPC, TABLE 422.1):
MENS: 6 WATER CLOSET, 4 URINAL, 5 LAVATORY
WOMENS: 13 WATER CLOSET, 6 LAVATORY

5 DRINKING FOUNTAINS

TOTAL FIXTURE COUNT PROVIDED:
MENS: 6 WATER CLOSET, 4 URINAL, 6 LAVATORY
WOMENS: 10 WATER CLOSET, 6 LAVATORY
UNISEX: 8 WATER CLOSET, 8 URINAL, 8 LAVATORY

3 DRINKING FOUNTAINS
2 BOTTLE FILLER STATION (ALTERNATIVE PER CPC 415.2)

TACTILE EXIT SIGNAGE:
TACTILE EXIT SIGNAGE SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
- EXTERIOR EXIT DOORS A THE LEVEL OF DISCHARGE
- INTERIOR ROOMS/SPACES REQUIRED TO HAVE 2 EXITS

ROOM OCCUPANT LOAD SIGNAGE:
ROOM OCCUPANT LOAD SIGNAGE SHALL BE PROVIDED AT ALL ROOMS/ SPACES HAVING AN OCCUPANT LOAD OF 50 OR MORE.

ASSISTIVE LISTENING SYSTEMS SIGNAGE:
ASSISTIVE LISTENING SYSTEMS SIGNAGE SHALL BE PROVIDED IN ALL CLASSROOMS, MEETINGS ROOMS AND CONFERENCE ROOMS.

ASSISTIVE LISTENING SYSTEM:
ASSISTIVE LISTENING SYSTEM DEVICES SHALL BE PROVIDED FOR ALL CLASSROOMS, MEETING ROOMS, AND CONFERENCE ROOMS; THE QUANTITY SHALL BE BASED ON 4% OF THE TOTAL SEATING/OCCUPANTS OF ALL CLASSROOMS, MEETING ROOMS AND CONFERENCE ROOMS.

LEGEND

- PATH OF EXIT ACCESS TRAVEL
- MOST REMOTE OCCUPIED LOCATION
- DIRECTION OF EGRESS
- XX — NUMBER OF OCCUPANTS EXITING FROM A ROOM OR AREA
- XX — CUMULATIVE NUMBER OF OCCUPANTS EXITING FROM A ROOM OR AREA
- ROOM 101 150 SF 50 SF/OCC. 00 OCC. (Occupancy) — ROOM NAME & NUMBER; ROOM AREA; OCCUPANT LOAD FACTOR; CALCULATED OCCUPANT LOAD AND OCCUPANCY CLASSIFICATION
- DF — DRINKING FOUNTAIN
- BF — BOTTLE FILLER STATION
- P.H — PANIC HARDWARE
- HATCH 1 (NO HATCH) CIRCULATION SPACE
- HATCH 2 (DIAMOND) 'B' OCCUPANCY; OFFICE USE, BUSINESS 150 SF/OCC.
- HATCH 3 (GRID) 'A-2' OCCUPANCY; ASSEMBLY - KITCHEN WITH DEDICATED DINING, 200 SF/OCC. - DINING AREA, 15 SF/OCC.
- HATCH 4 (VERTICAL) 'M' OCCUPANCY; MERCANTILE - MERCANTILE, 60 SF/OCC. - STORAGE, 300 SF OCC.
- HATCH 5 (SOLID LIGHT GREY) "S-1' OCCUPANCY; ACCESSORY STORAGE 300 SF/OCC.

NORTH

FIRST FLOOR - BUILDING CODE PLAN

1/8" = 1'-0"

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

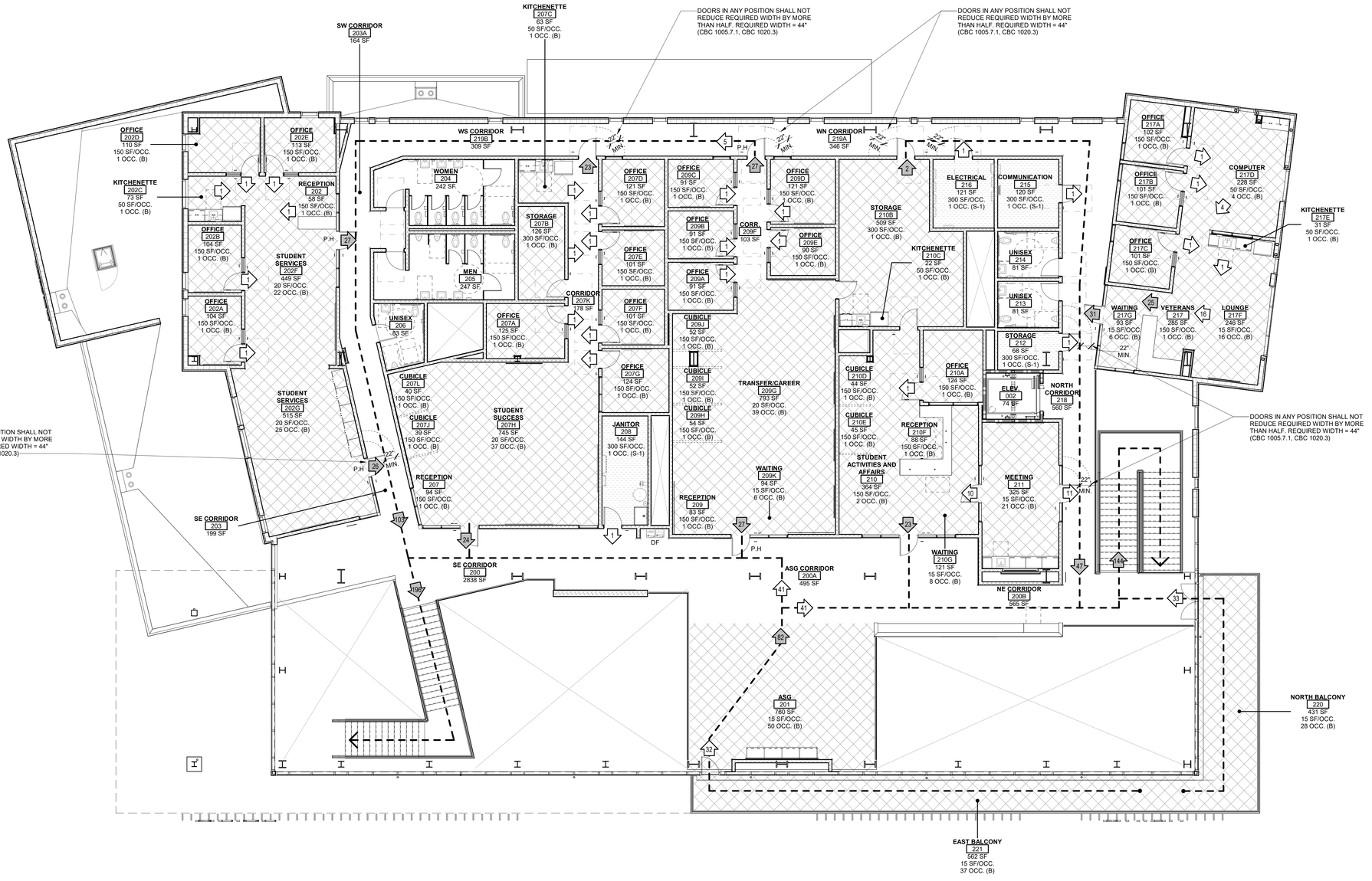
DRAWING TITLE: FIRST FLOOR - BUILDING CODE ANALYSIS

PROJECT NO. 22-12499

DRAWING G201

PLOT DATE: 8/14/2026 1:35:12 PM

\\tetr-file1\Users\ryan.odom\Documents\12499-A-COS Student Union_ryan.odomNLB27.rvt



LEGEND

- PATH OF EXIT ACCESS TRAVEL
- MOST REMOTE OCCUPIED LOCATION
- DIRECTION OF EGRESS
- XX — NUMBER OF OCCUPANTS EXITING FROM A ROOM OR AREA
- XX — CUMULATIVE NUMBER OF OCCUPANTS EXITING FROM A ROOM OR AREA
- ROOM 101 — ROOM NAME & NUMBER
- 150 SF — ROOM AREA
- 50 SF/OCC. 00 OCC. (Occupancy) — OCCUPANT LOAD FACTOR
- CALCULATED OCCUPANT LOAD AND OCCUPANCY CLASSIFICATION
- DF — DRINKING FOUNTAIN
- BF — BOTTLE FILLER STATION
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- HATCH 4 (VERTICAL) 'M' OCCUPANCY; MERCANTILE - MERCANTILE, 60 SF/OCC. - STORAGE, 300 SF OCC.
- HATCH 5 (SOLID LIGHT GREY) 'S-1' OCCUPANCY; ACCESSORY STORAGE 300 SF/OCC.

NORTH

SECOND FLOOR - BUILDING CODE PLAN

1/8" = 1'-0" | 1

PLOT DATE: 8/14/2026 1:35:19 PM

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TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
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VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SECOND FLOOR - BUILDING CODE ANALYSIS

PROJECT NO.
22-12499

DRAWING
G202

P:\223\223-02811SiteProductionDrawings\223281_ts02.dwg

GENERAL TOPOGRAPHIC SURVEY LEGEND:

(NOT ALL SYMBOLS SHOWN APPEAR ON THE PLANS)

AB	ABUTMENT
AC	ASPHALTIC CONCRETE
ACE	ASPHALTIC CONCRETE EDGE
AD	ASPHALTIC CONCRETE DIKE
AWT	ALL-WEATHER TRACK
BD	BRIDGE DECK
BFC	BOTTOM FACE OF CURB
BGST	STEPS
BGTR	TOP OF ROOF
BGV	BUILDING VENTS
BOD	BOTTOM OF DITCH
BR	BARRICADE
BRK	BRICK
BW	BARRIER WALL
CB	CATCH BASIN
CDA	CONCRETE DRIVE APPROACH
CE	CONCRETE EDGE
CMP	CORRUGATED METAL PIPE
CON	CONCRETE
COTH	COMMUNICATION TRENCH
CR	CROWN OF ROAD
CRQ	QUARTER CROWN
CS	CONCRETE SLAB
CULV	CULVERT
CW	CONCRETE WALL
DD	DOWN DRAIN
DFL	DITCH FLOWLINE
DWY	DRIVEWAY
ECTH	ELECTRICAL TRENCH
EDR	EDGE OF DIRT ROAD
EGR	EDGE OF GRAVEL ROAD
EOD	EDGE OF OILED DIRT
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
ET	EDGE OF TRAVELED WAY
FF	FINISH FLOOR
FOTH	FIBER OPTIC TRENCH
GB	GRADE BREAK
GFL	GUTTER FLOWLINE
GR	GRATE
GRA	GRAVEL SPOT SHOT
GRAE	EDGE OF GRAVEL
GSTH	GAS TRENCH
HDR	WOOD HEADER
HW	HEAD WALL
KR	K-RAIL
LIP	LIP OF GUTTER
LSDE	DECOMPOSED GRANITE EDGE
LSDG	DECOMPOSED GRANITE
LSGC	GROUND COVER
LSGF	GOLF COURSE FAIRWAY
LSGG	GOLF COURSE GREEN
LSGT	GOLF COURSE TEE
LSSA	SAND
LSSP	SLOPE PROTECTION
LSST	GOLF COURSE SAND TRAP
NPTH	NON-POTABLE TRENCH
PA	PATIO
PGTH	PROPANE GAS TRENCH
POS	POINT ON SLOPE
RCP	REINFORCED CONCRETE
RIEL	RIPARIAN EDGE OF LAKE
RIEP	RIPARIAN EDGE OF POND
RIES	RIPARIAN EDGE OF STREAM
RIEW	RIPARIAN EDGE OF WETLAND
RIFL	RIPARIAN FLOWLINE
RIMC	RIPARIAN MISC.
RIP	RIP-RAP SLOPE PROTECTION
RK	ROCK
RW	RETAINING WALL
SB	SPEED BUMP
SDCD	STORM DRAIN CROSS DRAIN
SDFL	STORM DRAIN FLOWLINE
SDGR	STORM DRAIN GRATE
SDMG	STORM DRAIN MANHOLE W/ GRATE
SSFL	SEWER FLOWLINE
SDTH	STORM DRAIN TRENCH
SSGT	STORM DRAIN GREASE TRAP
SSST	SEWER TANK (SEPTIC)
SSTH	SEWER TRENCH
SWK	SIDEWALK
SWL	SWALE
T	TURF
TBC	TOP BACK OF CURB
TBW	TOP BACK OF WALK
TF	TOP OF FOOTING
TFC	TOP FACE OF CURB
TFW	TOP FACE OF WALK
TLTH	TELEPHONE TRENCH
TOB	TOP OF BANK
TOE	TOE OF SLOPE
TOP	TOP OF SLOPE
TRDO	TRUNCATED DOMES
TVTH	TV TRENCH
TW	TOP OF WALL
UTH	UNIDENTIFIED TRENCH/SCAR LINE
VGFL	VALLEY GUTTER FLOWLINE
VGR	VALLEY GUTTER
WALBA	BARRIER WALL
WALBW	BLOCK WALL
WALCW	CONCRETE WALL
WALHW	HEAD WALL
WALRW	RETAINING WALL
WALWW	WING WALL
WCR	WHEELCHAIR RAMP
WLPD	WELL PAD
WTTH	WATER TRENCH
WW	WING WALL
(335.21)	EXISTING ELEVATION
AL	ACCENT LIGHT
AV	ALFALFA VALVE
	BACKFLOW ASSEMBLY
	BASKETBALL GOAL
BOV	BLOW-OFF VALVE
	BM=BENCHMARK; OR SBM=SITE BENCHMARK
BO	BOLLARD
CO	CLEANOUT
COPB	COMMUNICATION PULLBOX
COVA	COMMUNICATION VAULT
312.88	SURVEY CONTROL MONUMENT
DF	DRINKING FOUNTAIN
DS	DOORSTOP
DW	DRYWELL
EG	ELECTRICAL GROUND
ELC	ELECTRICAL CONDUIT
	ELECTRICAL METER
EPB	ELECTRICAL PULLBOX
	ELECTRICAL VAULT LID
ETS	GAS ELECTRONIC TESTING STATION
FDC	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
FP	FENCE POST
FLP	FLAG POLE
GAS	GAS LINE; DIAMETER AS SHOWN
GR	GAS REGULATOR
GAV	IRRIGATION GATE VALVE
	GAS METER
GOP	GOAL POST
GP	GUY POLE
GS	GATE STOP
GSR	GAS RISER
GV	GAS VALVE
GRD	GROUNDING ROD
GUY	GUY WIRE
HB	HOSE BIBB
HR	HANDRAIL
ICB	IRRIGATION CONTROLLER
	IRRIGATION DISTRICT MANHOLE
IVA	IRRIGATION REMOTE CONTROL VALVE
ISB	IRRIGATION SPLICE BOX
IHB	IN-GROUND HOSE BIBB
IP	IRON PIPE
JP	JOINT UTILITY POLE
LP	LIGHT POLE
MB	MAIL BOX
	MANHOLE
MV	MANUAL IRRIGATION VALVE
PB	PULLBOX
PIV	POST INDICATOR VALVE
	UTILITY STUB
	PARKING METER
4"POST	POST; DIAMETER AS SHOWN
PP	POWER POLE
6" PVC	PVC PIPE; DIAMETER AS SHOWN
QC	QUICK COUPLER VALVE
RD	ROOF DRAIN
RDU	ROOF DRAIN UNDERGROUND
RS	ROOF SUPPORT
	STADIUM LIGHT POLE
	STORM DRAIN MANHOLE
	SIGN
PPB	SIGNAL LIGHT PUSH BUTTON
	STREET LIGHT
4" SLE	PIPE SLEEVE; DIAMETER AS SHOWN
	SLOPE
SLPB	STREET LIGHT PULLBOX
4"SLV	PIPE SLEEVE; DIAMETER AS SHOWN
S	SEWER MANHOLE
SP	SERVICE POLE
SPB	SIGNAL PULLBOX
	SPRINKLER
4" SPO	STEEL POST; DIAMETER AS SHOWN
12"SS	SAND SEPARATOR; SIZE AS NOTED
24"STP	STAND PIPE; DIAMETER AS NOTED
12"STUMP	TREE STUMP; DIAMETER AS SHOWN
MW	SURVEY MONUMENT WELL
4"TEL	TELEPHONE; DIAMETER AS SHOWN
T	TELEPHONE MANHOLE
TN	TENNIS NET POLE
TP	TELEPHONE POLE
TPB	TELEPHONE PULLBOX
TVPB	TELEVISION PULLBOX
	TREE; SPREAD SHOWN GRAPHICALLY AND TRUNK DIAMETER AS SHOWN
	PALM TREE; SPREAD SHOWN GRAPHICALLY
TSB	TELEPHONE SPLICE BOX
	TRAFFIC SIGNAL POLE
TSPB	TRAFFIC SIGNAL PULLBOX
UP	UTILITY POLE
UR	UTILITY RISER
VB	VACUUM BREAKER
VN	VOLLEYBALL NET POST
2"VP	VENT PIPE; DIAMETER AS SHOWN
WELL	WELL
	WATER METER
WP	WELL PUMP
6"WPO	CIRCULAR WOOD POST; DIAMETER AS SHOWN
4"x4"WPO	SQUARE WOOD POST; SIZE AS SHOWN
4"W	WATER LINE; DIAMETER AS SHOWN
WV	WATER VALVE
	ASPHALT PAVEMENT
	CONCRETE BLOCK WALL
	BUILDING
	CONCRETE
	DETECTABLE WARNINGS
	DG OR GRAVEL
	CHAIN LINK FENCE
	CHAIN LINK ROLL GATE
	EDGE OF ASPHALT PAVEMENT
	WOOD FENCE
	DIRECTION OF FLOW
E	UNDERGROUND ELECTRIC
G 8"	GAS LINE; SIZE AS NOTED
OT	OVERHEAD TELEPHONE
SD 18"	STORM DRAIN LINE; SIZE AS NOTED
S 12"	SEWER LINE; SIZE AS NOTED
T	UNDERGROUND TELEPHONE
W 8"	WATER LINE; SIZE AS NOTED
AG 12"	AGRICULTURAL IRRIGATION LINE; SIZE AS NOTED
A 1"	AIR LINE; SIZE AS NOTED
C	COMMUNICATION LINE
350	MAJOR GRADE CONTOUR LINE
345	MINOR GRADE CONTOUR LINE
CW 2"	CHILLED WATER LINE; SIZE AS NOTED
CWR 2"	CHILLED WATER RETURN LINE; SIZE AS NOTED
CWS 2"	CHILLED WATER SUPPLY LINE; SIZE AS NOTED
	LIMIT OF DIRT
	LIMIT OF TURF
DL 1"	DRAIN LINE; SIZE AS NOTED
EMS	EMERGENCY MANAGEMENT SYSTEM
FA	FIRE ALARM LINE
F 8"	FIRE LINE; SIZE AS NOTED
FO	FIBER OPTIC LINE
	DRAIN TUBE
HW 2"	HOT WATER LINE; SIZE AS NOTED
HWR 2"	HOT WATER RETURN LINE; SIZE AS NOTED
HWS 2"	HOT WATER SUPPLY LINE; SIZE AS NOTED
HYD	HYDRAULIC LINE
ID 18"	IRRIGATION DISTRICT; SIZE AS NOTED
	IRON FENCE
IRR 3"	IRRIGATION MAIN LINE; SIZE AS NOTED
L 1"	IRRIGATION LATERAL LINE; SIZE AS NOTED
ITS	INTELLIGENT TRAFFIC SYSTEM
JT	JOINTLY TRENCHED UTILITIES
OC	OVERHEAD COMMUNICATIONS LINE
OE	OVERHEAD ELECTRIC LINE
OEC	OVERHEAD ELECTRIC AND COMMUNICATION LINE
OET	OVERHEAD ELECTRIC AND TELEPHONE LINE
OETV	OVERHEAD ELECTRIC AND TELEVISION LINE
OETVT	OVERHEAD ELECTRIC, TELEVISION AND TELEPHONE LINE
OTS	OVERHEAD TRAFFIC SIGNAL LINE
OTV	OVERHEAD TELEVISION LINE
OU	OVERHEAD UTILITY LINE
P 6"	PETROLEUM LINE; SIZE AS NOTED
RW 3"	RECYCLED WATER IRRIGATION LINE; SIZE AS NOTED
S&SD 8"	SEWER AND STORM DRAIN LINE; SIZE AS NOTED
SFM 6"	SEWER FORCE MAIN; SIZE AS NOTED
ST 2"	STEAM LINE; SIZE AS NOTED
TFO	TRAFFIC FIBER OPTIC LINE
TS	TRAFFIC SIGNAL LINE
TV	TELEVISION LINE
UNK	UNKNOWN UTILITY LINE
	WIRE FENCE
	PROPERTY LINE
	CITY LIMIT
	EASEMENT 1
	EASEMENT 2
	RIGHT-OF-WAY LINE
	RIGHT-OF-WAY CENTER LINE
	SETBACK LINE

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAYE R. BLAIR
No. 41703
CIVIL
STATE OF CALIFORNIA
04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED
TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
TOPOGRAPHIC SURVEY LEGEND AND NOTES

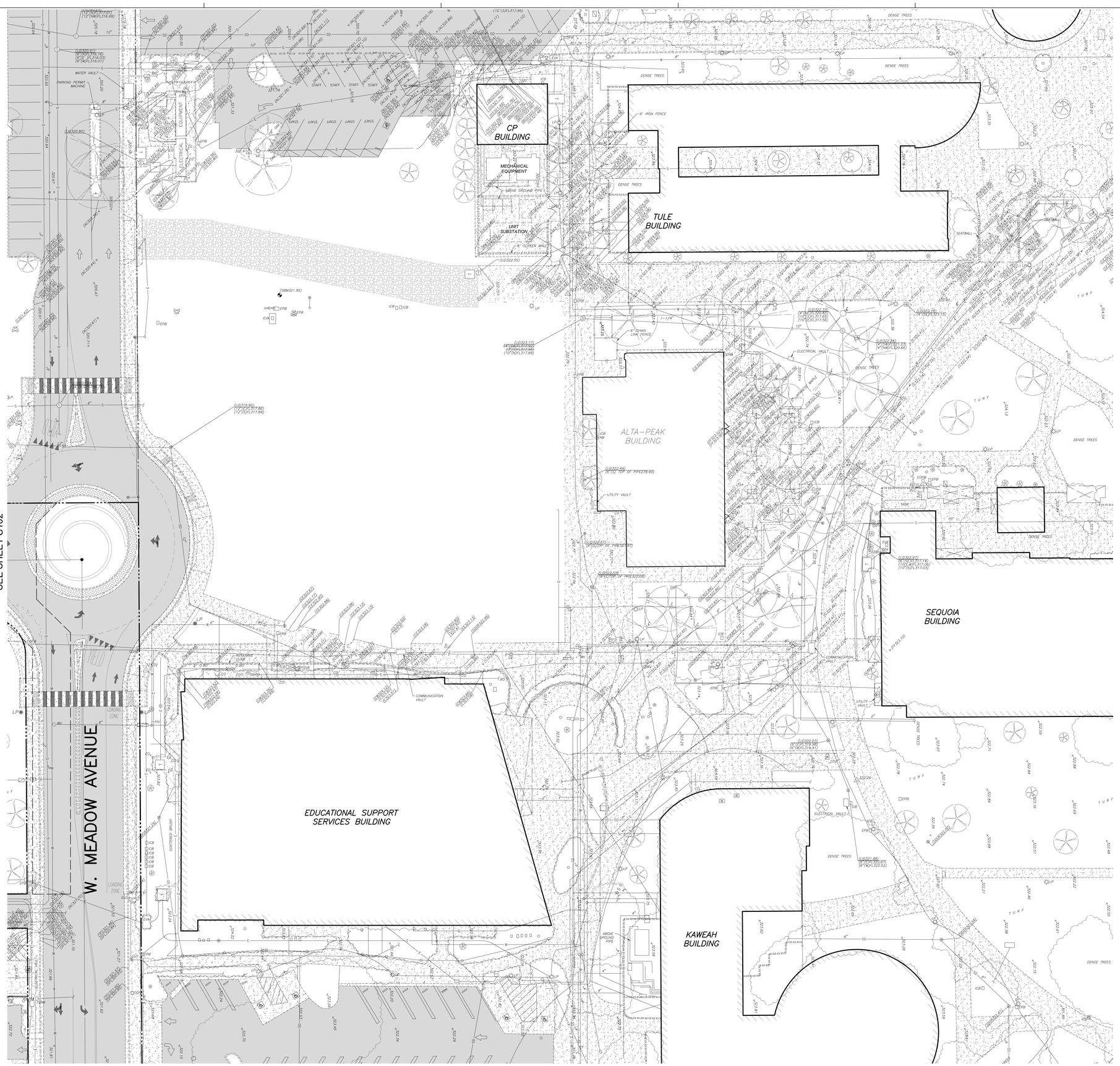
PROJECT NO.
22-12499

DRAWING
C100

Blair, Church & Flynn
CONSULTING ENGINEERS
400 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1900

Drawing: P:\223\223-02811SiteProductionDrawings\223281_ts02.dwg
Plot By: Isabel Aug 14, 2026 - 10:01am

PLOT DATE: 8/14/2026 10:01:35 AM



SURVEY NOTES:

1. *THIS TOPOGRAPHIC SURVEY LOCATES SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATION AS DETERMINED NECESSARY BY THE PROJECT ENGINEER. IT IS NOT A COMPLETE TOPOGRAPHIC SURVEY OF THE SITE. THE INFORMATION SHOWN REFLECTS THE DATA OBTAINED BY FIELD SURVEY CONDUCTED ON 09/29/23, 11/01/23, 12/08/23, 10/23/24, 06/11/2025, AND AN AERIAL SURVEY CONDUCTED ON 10/07/23.*
2. *UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES, AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.*

BENCHMARK:

CHISELED 'X' IN THE PARKING LOT ISLAND CONCRETE, 297' SOUTH AND 138' WEST OF THE SOUTHWEST CORNER OF THE LIVE OAK BUILDING.

ELEV.= 320.09' NAVD88 DATUM

SITE BENCHMARK:

CHISELED 'X' IN CONCRETE, 184' SOUTH AND 22' EAST OF THE SOUTHEAST CORNER OF THE TULE BUILDING.

ELEV.= 321.95' NAVD88 DATUM

SCALE: 1"=20'

0 5 20 40
SCALE IN FEET

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAYE R. BAILEY
No. 41703
CIVIL
STATE OF CALIFORNIA

04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

Blair, Church & Flynn
CONSULTING ENGINEERS
455 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1800

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

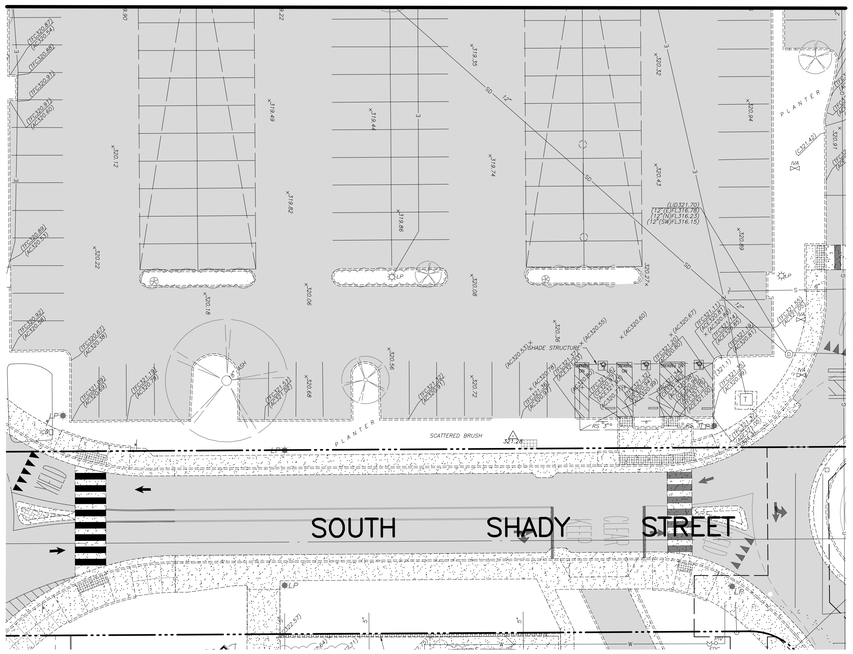
DRAWING TITLE
PARTIAL TOPOGRAPHICAL SURVEY

PROJECT NO.
22-12499

DRAWING
C101

Drawing P:\223\223-02811\SiteProductionDrawings\223281_ts03.dwg Plot by Xrefer: Aug 14, 2026 - 10:02am

PLOT DATE: 8/14/2026 10:02:27 AM



SURVEY NOTES:

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BENCHMARK:

CHISELED 'X' IN THE PARKING LOT ISLAND CONCRETE, 297' SOUTH AND 138' WEST OF THE SOUTHWEST CORNER OF THE LIVE OAK BUILDING.

ELEV.= 320.09' NAVD88 DATUM

SITE BENCHMARK:

CHISELED 'X' IN CONCRETE, 184' SOUTH AND 22' EAST OF THE SOUTHEAST CORNER OF THE TULE BUILDING.

ELEV.= 321.95' NAVD88 DATUM

CAUTION
WATCH FOR OVERHEAD POWER LINES

SCALE: 1"=20'
0 5 20 40
SCALE IN FEET

Blair, Church & Flynn
CONSULTING ENGINEERS
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1900

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAYE R. BAILEY
No. 41003
CIVIL
STATE OF CALIFORNIA
04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
PARTIAL TOPOGRAPHICAL SURVEY

PROJECT NO.
22-12499

DRAWING
C102

Drawing: P:\223\223-02811\SiteProductionDrawings\223281_ts03.dwg - Layout: C102
Plot By: Isabel - Aug 14, 2026 - 10:02am

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PLOT DATE: 8/14/2026 10:02:13 AM

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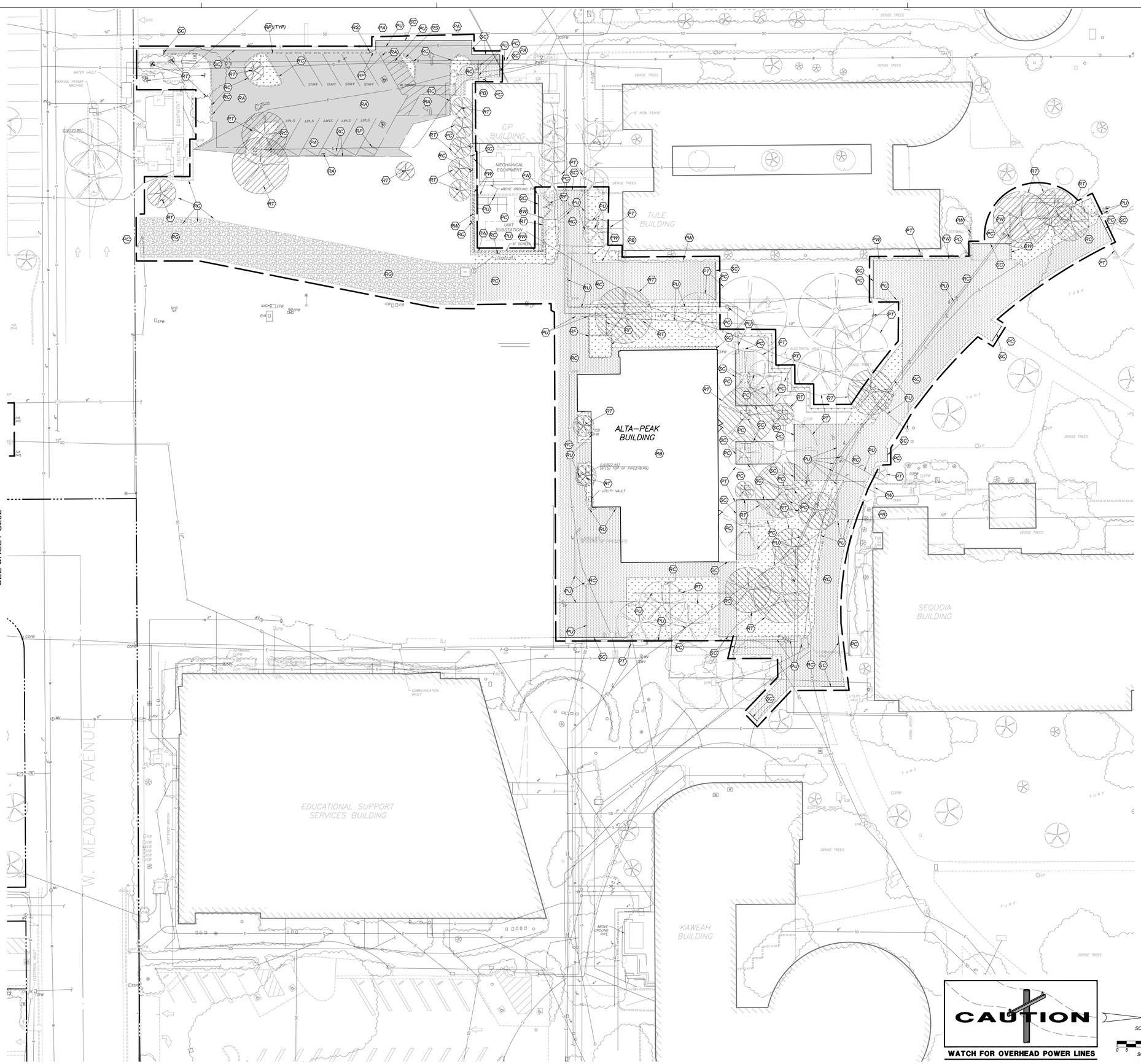
PLOT DATE: 8/14/2026 10:02:07 AM



DEMOLITION LEGEND:

- REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS UNLESS OTHERWISE NOTED ON THE PLAN. THE REMOVAL OF IMPROVEMENTS MUST BE COORDINATED WITH ALL PLAN SHEETS. CONTRACTOR MUST ALSO COORDINATE REMOVAL OF IMPROVEMENTS WITH UTILITY AGENCIES. PROTECT ALL IMPROVEMENTS NOT DESIGNATED FOR REMOVAL. SEE NOTE 1
- LIMITS OF VEGETATION REMOVAL. 4" MINIMUM DEPTH
- LIMITS OF CONCRETE IMPROVEMENT REMOVAL
- LIMITS OF ASPHALTIC CONCRETE IMPROVEMENT REMOVAL
- LIMITS OF GRAVEL IMPROVEMENT REMOVAL
- (PA) PROTECT ASPHALT CONCRETE PAVEMENT TO REMAIN
- (PB) PROTECT BUILDING TO REMAIN
- (PC) PROTECT CONCRETE IMPROVEMENTS TO REMAIN
- (PP) PROTECT CONCRETE WHEELSTOP TO REMAIN
- (PS) PROTECT SIGN TO REMAIN
- (PT) PROTECT TREE TO REMAIN
- (PU) PROTECT UTILITY TO REMAIN, SEE NOTE 10
- (PW) PROTECT SCREEN BLOCK WALL TO REMAIN
- (RA) REMOVE AND LAWFULLY DISPOSE OF ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTION
- (RB) REMOVE AND LAWFULLY DISPOSE OF BUILDING
- (RC) REMOVE AND LAWFULLY DISPOSE OF CONCRETE IMPROVEMENTS
- (RF) REMOVE AND LAWFULLY DISPOSE OF FENCE FABRIC, POSTS AND FOOTINGS
- (RG) REMOVE AND LAWFULLY DISPOSE OF GRAVEL IMPROVEMENTS
- (RP) REMOVE AND LAWFULLY DISPOSE OF CONCRETE WHEELSTOP
- (RT) REMOVE AND LAWFULLY DISPOSE OF TREE
- (RU) REMOVE AND LAWFULLY DISPOSE OF UTILITY, SEE NOTE 10
- (RW) REMOVE AND LAWFULLY DISPOSE OF SCREEN WALL. CONCRETE FOOTING AND CURB TO REMAIN, SEE DETAIL [30/A120]
- (SC) SAWCUT
- REMOVE TREE
- LIMIT OF CHAIN LINK FENCE REMOVAL
- LIMIT OF CONCRETE BLOCK WALL REMOVAL
- LIMIT OF STRIPING REMOVAL
- LIMIT OF COMMUNICATION LINE REMOVAL, SEE NOTE 10
- LIMIT OF UNDERGROUND ELECTRICAL LINE REMOVAL, SEE NOTE 10
- LIMIT OF GAS LINE REMOVAL, SEE NOTE 10
- LIMIT OF SEWER LINE REMOVAL

GENERAL DEMOLITION NOTES:

1. THE "LIMIT OF DEMOLITION" SHOWN IS APPROXIMATE AND IS GENERALLY CONSIDERED TO BE THE MINIMUM REMOVAL REQUIREMENTS. CONTRACTOR MUST COORDINATE AS NOTED IN THE LEGEND.
2. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS OFF SITE.
3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY IMPROVEMENTS NOT SPECIFICALLY DESIGNATED FOR REMOVAL.
4. THE ON-SITE UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE AT APPROXIMATE LOCATIONS. THE EXTENT, LOCATIONS AND SIZES ARE UNKNOWN. THE CONTRACTOR SHALL POTHOLE TO LOCATE AND VERIFY THE UNDERGROUND UTILITY LINES PRIOR TO REMOVAL.
5. CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ANY FOUND SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A CALIFORNIA LICENSED SURVEYOR AND THE APPROPRIATE PAPERWORK FILED WITH THE CITY OR COUNTY, AT CONTRACTOR'S EXPENSE.
6. ALL HAZARDOUS MATERIALS ENCOUNTERED DURING SITE DEMOLITION SHALL BE REMEDIATED AND DISPOSED OF PER STATE AND EPA REQUIREMENTS.
7. CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY AGENCIES PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION.
8. ANY EXISTING UTILITIES AND/OR IMPROVEMENTS WHICH ARE TO REMAIN, THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE EXPENSE.
9. REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS.
   a) FOR CONCRETE REMOVAL, REMOVE TO THE NEXT NEAREST TOOLED JOINT OR EXPANSION JOINT OF IMPROVEMENTS DESIGNATED TO REMAIN.
   b) FOR ASPHALTIC PAVEMENT REMOVAL, SAWCUT TO A STRAIGHT, CLEAN EDGE AT LOCATIONS INDICATED ON THE PLANS.
10. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, IRRIGATION, AND ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION AND COORDINATION.
11. COMPLIANCE WITH FIRE SAFETY DURING CONSTRUCTION WILL BE ENFORCED.

Teter, INC. expressly reserves its common law copyright and other property rights in these plans, specifications, the ideas and design incorporated herein, as an instrument of professional service. Nothing herein may be used in whole or in part, for any other project without prior written authorization.

MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER CLAIRE R. BAILEY No. 41063 CIVIL STATE OF CALIFORNIA

04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

Blair, Church & Flynn
CONSULTING ENGINEERS
484 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

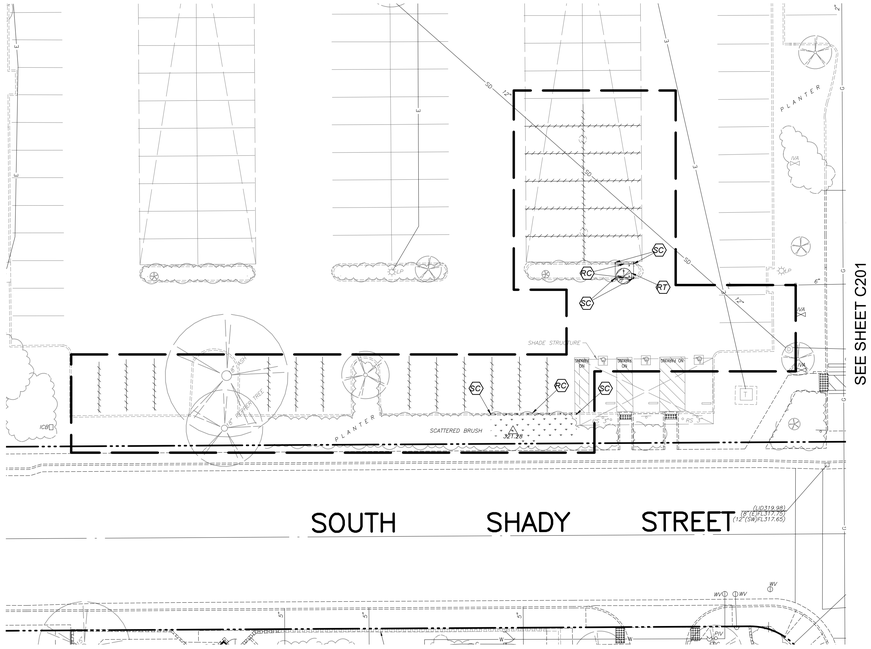
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
PARTIAL DEMOLITION PLAN

PROJECT NO.
22-12499

DRAWING
C201

Drawing: P:\223\223-0281\Site\ProductionDrawings\223281_ded03.dwg - C201
Plot By: Nader - Aug 14, 2026 - 10:02am



DEMOLITION LEGEND:

- REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS UNLESS OTHERWISE NOTED ON THE PLAN. THE REMOVAL OF IMPROVEMENTS MUST BE COORDINATED WITH ALL PLAN SHEETS. CONTRACTOR MUST ALSO COORDINATE REMOVAL OF IMPROVEMENTS WITH UTILITY AGENCIES. PROTECT ALL IMPROVEMENTS NOT DESIGNATED FOR REMOVAL. SEE NOTE 1
- LIMITS OF VEGETATION REMOVAL. 4" MINIMUM DEPTH
- LIMITS OF CONCRETE IMPROVEMENT REMOVAL
- LIMITS OF ASPHALTIC CONCRETE IMPROVEMENT REMOVAL
- LIMITS OF GRAVEL IMPROVEMENT REMOVAL
- (PA) PROTECT ASPHALT CONCRETE PAVEMENT TO REMAIN
- (PB) PROTECT BUILDING TO REMAIN
- (PC) PROTECT CONCRETE IMPROVEMENTS TO REMAIN
- (PP) PROTECT CONCRETE WHEELSTOP TO REMAIN
- (PS) PROTECT SIGN TO REMAIN
- (PT) PROTECT TREE TO REMAIN
- (PU) PROTECT UTILITY TO REMAIN, SEE NOTE 10
- (PW) PROTECT SCREEN BLOCK WALL TO REMAIN
- (RA) REMOVE AND LAWFULLY DISPOSE OF ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTION
- (RB) REMOVE AND LAWFULLY DISPOSE OF BUILDING
- (RC) REMOVE AND LAWFULLY DISPOSE OF CONCRETE IMPROVEMENTS
- (RF) REMOVE AND LAWFULLY DISPOSE OF FENCE FABRIC, POSTS AND FOOTINGS
- (RG) REMOVE AND LAWFULLY DISPOSE OF GRAVEL IMPROVEMENTS
- (RP) REMOVE AND LAWFULLY DISPOSE OF CONCRETE WHEELSTOP
- (RT) REMOVE AND LAWFULLY DISPOSE OF TREE
- (RU) REMOVE AND LAWFULLY DISPOSE OF UTILITY, SEE NOTE 10
- (RW) REMOVE AND LAWFULLY DISPOSE OF SCREEN WALL, CONCRETE FOOTING AND CURB TO REMAIN, SEE DETAIL [30/A120]
- (SC) SAWCUT
- REMOVE TREE
- LIMIT OF CHAIN LINK FENCE REMOVAL
- LIMIT OF CONCRETE BLOCK WALL REMOVAL
- LIMIT OF STRIPING REMOVAL
- LIMIT OF COMMUNICATION LINE REMOVAL, SEE NOTE 10
- LIMIT OF UNDERGROUND ELECTRICAL LINE REMOVAL, SEE NOTE 10
- LIMIT OF GAS LINE REMOVAL, SEE NOTE 10
- LIMIT OF SEWER LINE REMOVAL

GENERAL DEMOLITION NOTES:

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAIRE R. BARTLETT
No. 41003
CIVIL
STATE OF CALIFORNIA
04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
PARTIAL DEMOLITION PLAN

PROJECT NO.
22-12499

DRAWING
C202

CAUTION
WATCH FOR OVERHEAD POWER LINES

N
SCALE: 1"=20'
0 5 20 40
SCALE IN FEET

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Blair, Church & Flynn
CONSULTING ENGINEERS
455 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1900

Drawing: P:\223\223-0281\Site\ProductionDrawings\223281 - dedi3.dwg, C201 (2)
Plot By: bader Aug 14, 2026 - 10:02am

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PLOT DATE: 8/14/2026 10:02:54 AM

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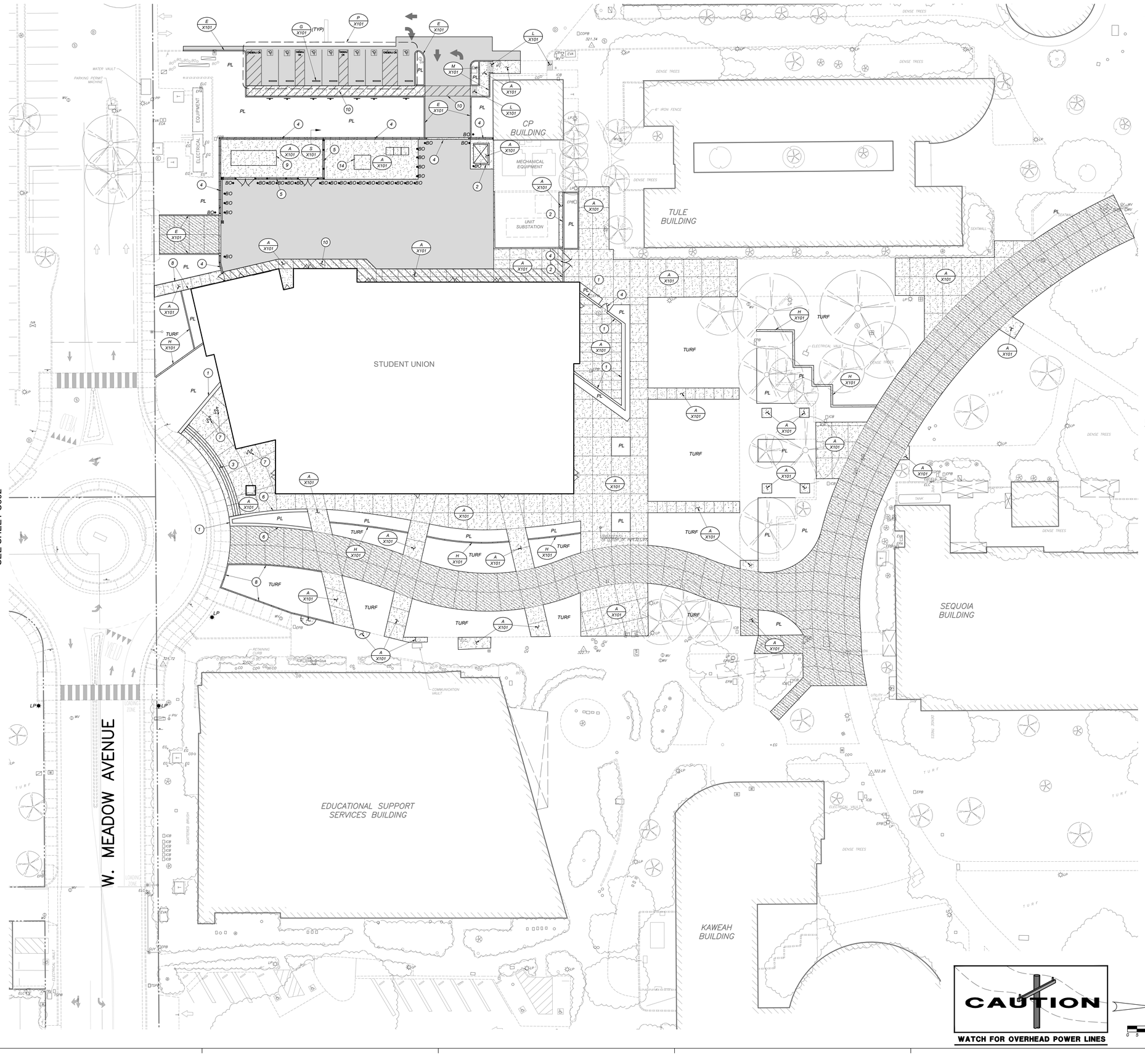

SITE LEGEND:

- *LIMITS OF CONCRETE IMPROVEMENTS*
- *LIMITS OF HEAVY DUTY CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [B/X101]*
- *LIMITS OF ASPHALT PLUG IMPROVEMENTS PER DETAIL [F/X101]*
- *LIMITS OF STANDARD DUTY ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [C/X101]*
- *LIMITS OF HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [C/X101]*
- *DETECTABLE WARNINGS PER DETAIL [L/X101]*
- BO *BOLLARD, SEE ARCHITECTURAL PLANS*
- PL *PLANTER*
- LP *SITE LIGHTING, SEE ELECTRICAL PLANS*
- 1 *CONCRETE SEATING WALL, SEE ARCHITECTURAL PLANS DETAIL 2/A120*
- 2 *CMU BLOCKWALL, SEE ARCHITECTURAL PLANS DETAIL 17/A120*
- 3 *CONCRETE STAIRS WITH HANDRAILS, SEE ARCHITECTURAL PLANS DETAIL 14/A120*
- 4 *DECORATIVE STEEL FENCE AND GATE, SEE ARCHITECTURAL PLANS DETAIL 10/A122*
- 5 *CHAIN LINK FENCE AND GATE, SEE ARCHITECTURAL PLANS DETAIL 1/A121*
- 6 *CONCRETE WALL, SEE ARCHITECTURAL PLANS DETAIL 2/A120*
- 7 *BIKE RACK, SEE ARCHITECTURAL PLANS DETAIL 9/A120*
- 8 *HANDRAILS, SEE ARCHITECTURAL PLANS DETAIL 28/A120*
- 9 *MECHANICAL EQUIPMENT, SEE MECHANICAL PLANS*
- 10 *PAINT 4" WIDE WHITE BOUNDARY LINES AND 4" WIDE DIAGONAL LINES AT 3' ON-CENTER*
- 11 *EV CHARGER, SEE ELECTRICAL PLAN*
- 12 *PAVEMENT MARKINGS, SEE ARCHITECTURAL PLAN*
- 13 *PAINT ACCESS AREA WITH 4" WIDE BLUE BORDER, WITH 4" WIDE WHITE DIAGONAL LINES AT 36" O.C. INSIDE AND WITH 12" HIGH WHITE "NO PARKING" WORDING*
- 14 *ELECTRICAL TRANSFORMER, SEE ELECTRICAL PLANS*
- 15 *PAINT ACCESS AREA WITH 4" WIDE WHITE BORDER, WITH 4" WIDE WHITE DIAGONAL LINES AT 36" O.C. INSIDE AND WITH 12" HIGH WHITE "NO PARKING" WORDING*

GENERAL SITE NOTES:

1. *ALL CONCRETE MOWSTRIPS, RAMPS AND SIDEWALKS SHALL HAVE WEAKENED PLANE JOINTS AT 10 FEET MAXIMUM ON CENTER AND EXPANSION JOINTS AT 30 FEET MAXIMUM ON CENTER PER DETAIL [A/X101]*
2. *INSTALL DOWELED CONNECTION AT JOINT OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL [D/X101]*
3. *NO CONCRETE MAY BE POURED UNTIL THE FORMS HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT INSPECTOR.*
4. *ALL BURIED METALLIC OBJECTS SHALL HAVE A PROTECTIVE COATING OR BE WRAPPED WITH APPROVED PROTECTIVE WRAP.*
5. *ADJUST EXISTING SPRINKLER HEADS AND LATERAL LINES AS REQUIRED BY NEW IMPROVEMENTS, OR AS SHOWN ON THE IRRIGATION PLANS.*
6. *ANY SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY A PERSON LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. REPLACEMENT TO BE AT CONTRACTOR'S SOLE EXPENSE.*
7. *OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM AGENCY HAVING JURISDICTION FOR WORK WITHIN THE PUBLIC RIGHT OF WAY*

CAUTION
WATCH FOR OVERHEAD POWER LINES

SCALE: 1"=20'
0 5 20 40
SCALE IN FEET

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAIRE R. BAILEY
No. 41003
CIVIL
STATE OF CALIFORNIA
04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
PARTIAL SITE PLAN

PROJECT NO.
22-12499

DRAWING
C301

Blair, Church & Flynn
CONSULTING ENGINEERS
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1200

Drawing: P:\223\223-0281\SiteProductionDrawings\223281_si01.dwg, C301
Plot by: bauder Aug 14, 2026 - 10:03am

PLOT DATE: 8/14/2026 10:03:40 AM

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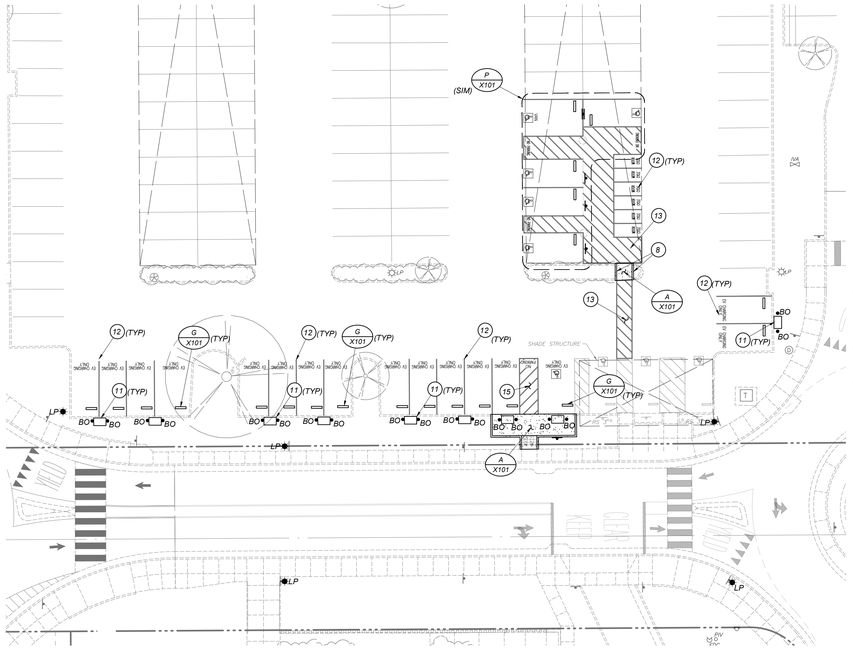

SEE SHEET C301

SITE LEGEND:

- *LIMITS OF CONCRETE IMPROVEMENTS*
- *LIMITS OF HEAVY DUTY CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [B/X101]*
- *LIMITS OF ASPHALT PLUG IMPROVEMENTS PER DETAIL [F/X101]*
- *LIMITS OF STANDARD DUTY ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [C/X101]*
- *LIMITS OF HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [C/X101]*
- *DETECTABLE WARNINGS PER DETAIL [L/X101]*
- BO *BOLLARD, SEE ARCHITECTURAL PLANS*
- PL *PLANTER*
- LP *SITE LIGHTING, SEE ELECTRICAL PLANS*
- (1) *CONCRETE SEATING WALL, SEE ARCHITECTURAL PLANS DETAIL 2/A120*
- (2) *CMU BLOCKWALL, SEE ARCHITECTURAL PLANS DETAIL 17/A120*
- (3) *CONCRETE STAIRS WITH HANDRAILS, SEE ARCHITECTURAL PLANS DETAIL 14/A120*
- (4) *DECORATIVE STEEL FENCE AND GATE, SEE ARCHITECTURAL PLANS DETAIL 10/A122*
- (5) *CHAIN LINK FENCE AND GATE, SEE ARCHITECTURAL PLANS DETAIL 1/A121*
- (6) *CONCRETE WALL, SEE ARCHITECTURAL PLANS DETAIL 2/A120*
- (7) *BIKE RACK, SEE ARCHITECTURAL PLANS DETAIL 9/A120*
- (8) *HANDRAILS, SEE ARCHITECTURAL PLANS DETAIL 28/A120*
- (9) *MECHANICAL EQUIPMENT, SEE MECHANICAL PLANS*
- (10) *PAINT 4" WIDE WHITE BOUNDARY LINES AND 4" WIDE DIAGONAL LINES AT 3' ON-CENTER*
- (11) *EV CHARGER, SEE ELECTRICAL PLAN*
- (12) *PAVEMENT MARKINGS, SEE ARCHITECTURAL PLAN*
- (13) *PAINT ACCESS AREA WITH 4" WIDE BLUE BORDER, WITH 4" WIDE WHITE DIAGONAL LINES AT 36" O.C. INSIDE AND WITH 12" HIGH WHITE "NO PARKING" WORDING*
- (14) *ELECTRICAL TRANSFORMER, SEE ELECTRICAL PLANS*
- (15) *PAINT ACCESS AREA WITH 4" WIDE WHITE BORDER, WITH 4" WIDE WHITE DIAGONAL LINES AT 36" O.C. INSIDE AND WITH 12" HIGH WHITE "NO PARKING" WORDING*

GENERAL SITE NOTES:

1. *ALL CONCRETE MOWSTRIPS, RAMPS AND SIDEWALKS SHALL HAVE WEAKENED PLANE JOINTS AT 10 FEET MAXIMUM ON CENTER AND EXPANSION JOINTS AT 30 FEET MAXIMUM ON CENTER PER DETAIL [A/X101]*
2. *INSTALL DOWELED CONNECTION AT JOINT OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL [D/X101]*
3. *NO CONCRETE MAY BE POURED UNTIL THE FORMS HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT INSPECTOR.*
4. *ALL BURIED METALLIC OBJECTS SHALL HAVE A PROTECTIVE COATING OR BE WRAPPED WITH APPROVED PROTECTIVE WRAP.*
5. *ADJUST EXISTING SPRINKLER HEADS AND LATERAL LINES AS REQUIRED BY NEW IMPROVEMENTS, OR AS SHOWN ON THE IRRIGATION PLANS.*
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7. *OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM AGENCY HAVING JURISDICTION FOR WORK WITHIN THE PUBLIC RIGHT OF WAY*

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
PARTIAL SITE PLAN

PROJECT NO.
22-12499

DRAWING
C302

Drawing: P:\223\223-02811\SiteProductionDrawings\223281_si01.dwg - C302
Plot By: bader Aug 14, 2026 - 10:02am

PLOT DATE: 8/14/2026 10:02:42 AM

CAUTION
WATCH FOR OVERHEAD POWER LINES

SCALE: 1"=20'
0 5 20 40
SCALE IN FEET

811
Know what's below.
Call before you dig.

Blair, Church & Flynn
CONSULTING ENGINEERS
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1900

HORIZONTAL CONTROL LEGEND:

1000 LCP	LAYOUT COORDINATE POINT
100 SLP	SITE LAYOUT POINT
200 BLP	BUILDING LAYOUT POINT
AC	CORNER OF ASPHALT
BC	BEGIN CURVE
CC	CORNER CONCRETE
CW	CONCRETE WALL
EC	END CURVE
FP	FENCE POST
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
RP	RADIUS POINT

GENERAL HORIZONTAL CONTROL NOTES:

1. *SITE LAYOUT POINT 100 IS A CHISELED 'X' IN THE CONCRETE APPROXIMATELY 328' SOUTHWEST OF THE SOUTHWEST CORNER OF THE LIVE OAK BUILDING.*

   SITE LAYOUT POINT 101 IS A CHISELED 'X' IN THE CONCRETE APPROXIMATELY 9' NORTHEAST OF THE NORTHEAST CORNER OF THE CEDAR BUILDING.

   SITE LAYOUT POINT 102 IS A CHISELED 'X' ON THE TOP OF THE NORTH CURB OF THE PARKING LOT APPROXIMATELY 69' NORTH OF THE LIVE OAK BUILDING.

   SITE LAYOUT POINT 103 IS A CHISELED 'X' IN THE CONCRETE APPROXIMATELY 33' SOUTHWEST OF THE SOUTHWEST CORNER OF THE HOME ECONOMICS BUILDING.

2. *DIMENSIONS AND POINTS ARE TO CENTER OF FENCE POSTS, FACE OF BUILDINGS, TOP FACE OF CURB, OR EDGE OF CONCRETE, UNLESS SHOWN OTHERWISE.*

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER — CLAYE R. BAILEY — No. 41003 — CIVIL — STATE OF CALIFORNIA

04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
PARTIAL HORIZONTAL CONTROL PLAN

PROJECT NO.
22-12499

DRAWING
C401

Drawing: P:\2223\223-02811\Site\ProductionDrawings\223281_hc01.dwg
Plotted by: Claire Bailey - Aug 14, 2026 - 10:04am

CAUTION
WATCH FOR OVERHEAD POWER LINES

811 Know what's below. Call before you dig.

Blair, Church & Flynn
CONSULTING ENGINEERS
455 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1300

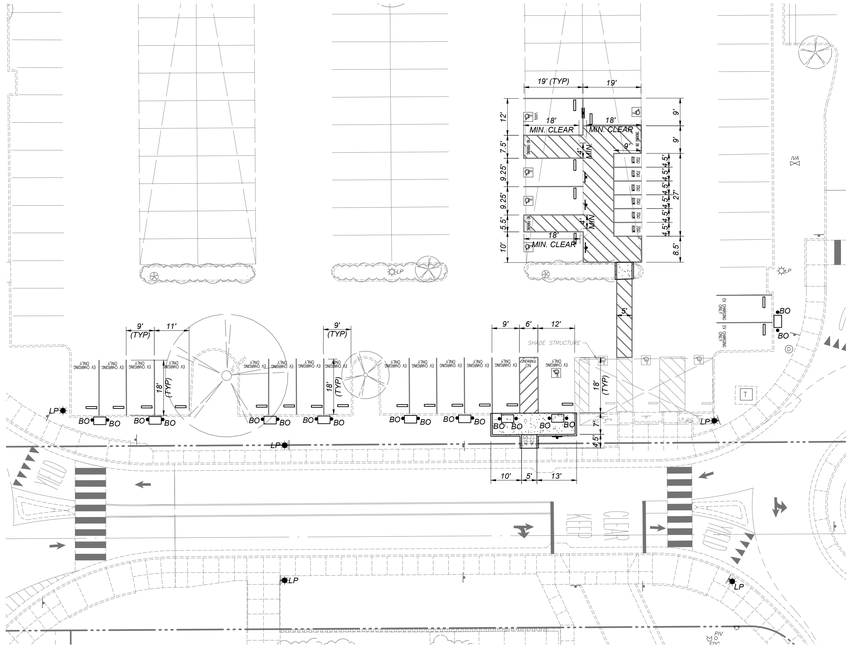
SCALE: 1"=20'
0 20 40 80
SCALE IN FEET

SEE SHEET C302

W. MEADOW AVENUE

CP BUILDING
TULE BUILDING
SEQUOIA BUILDING
EDUCATIONAL SUPPORT SERVICES BUILDING
KAWEAH BUILDING
MECHANICAL EQUIPMENT
UNIT SUBSTATION
EQUIPMENT
ELECTRICAL
WATER VAULT
PARKING PERMIT MACHINE
COMMUNICATION VAULT
UTILITY VAULT
ELECTRICAL VAULT
LOADING ZONE
6" IRON FENCE
DENSE TREES
TURF
SEATING
RETAINING WALL
SCRUB
SCRUB BRUSH
TANK
EVA
EPB
ICB
LP
WV
FH
FDC
DRY
IRV
ELC
EG
+EG
CO
DW
DRIVE
PARKING
ACCESS
ROAD
SLOPE
SEE SHEET C302
PLOT DATE: 8/14/2026 10:04:06 AM

P:\223\223-02811\Site\ProductionDrawings\223281_hc01.dwg



HORIZONTAL CONTROL LEGEND:

1000 LCP	LAYOUT COORDINATE POINT
100 SLP	SITE LAYOUT POINT
200 BLP	BUILDING LAYOUT POINT
AC	CORNER OF ASPHALT
BC	BEGIN CURVE
CC	CORNER CONCRETE
CW	CONCRETE WALL
EC	END CURVE
FP	FENCE POST
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
RP	RADIUS POINT

GENERAL HORIZONTAL CONTROL NOTES:

1. *SITE LAYOUT POINT 100 IS A CHISELED 'X' IN THE CONCRETE APPROXIMATELY 328' SOUTHWEST OF THE SOUTHWEST CORNER OF THE LIVE OAK BUILDING.*

   SITE LAYOUT POINT 101 IS A CHISELED 'X' IN THE CONCRETE APPROXIMATELY 9' NORTHEAST OF THE NORTHEAST CORNER OF THE CEDAR BUILDING.

   SITE LAYOUT POINT 102 IS A CHISELED 'X' ON THE TOP OF THE NORTH CURB OF THE PARKING LOT APPROXIMATELY 69' NORTH OF THE LIVE OAK BUILDING.

   SITE LAYOUT POINT 103 IS A CHISELED 'X' IN THE CONCRETE APPROXIMATELY 33' SOUTHWEST OF THE SOUTHWEST CORNER OF THE HOME ECONOMICS BUILDING.

2. *DIMENSIONS AND POINTS ARE TO CENTER OF FENCE POSTS, FACE OF BUILDINGS, TOP FACE OF CURB, OR EDGE OF CONCRETE, UNLESS SHOWN OTHERWISE.*

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAIRE R. BAILEY
No. 41003
CIVIL
STATE OF CALIFORNIA

04.17.2026
Date Signed:

CAUTION
WATCH FOR OVERHEAD POWER LINES

SCALE: 1"=20'
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811
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COLLEGE OF THE SEQUOIAS
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DRAWING TITLE
PARTIAL HORIZONTAL CONTROL PLAN

PROJECT NO.
22-12499

DRAWING
C402

Drawing: P:\223\223-02811\Site\ProductionDrawings\223281_hc01.dwg - C402
Plot By: bader Aug 14, 2026 - 10:02am

PLOT DATE: 8/14/2026 10:02:51 AM

P:\223\223-02811\Site\ProductionDrawings\223281_hc01.dwg

PLOT DATE: 8/14/2026 10:03:51 AM

NORTHING EASTING TABLE

POINT	NORTHING	EASTING	ABV	DESCRIPTION
100	1999994.24	6468672.99	SLP	SITE LAYOUT POINT
101	2000751.86	6468820.29	SLP	SITE LAYOUT POINT
102	2000443.73	6468839.89	SLP	SITE LAYOUT POINT
103	2000756.11	6468500.90	SLP	SITE LAYOUT POINT
300	2000544.00	6468629.72	BLP	BUILDING LAYOUT POINT
301	2000749.77	6468625.97	BLP	BUILDING LAYOUT POINT
1000	2000517.52	6468611.51	CC	CORNER CONCRETE
1001	2000524.31	6468586.85	CC	CORNER CONCRETE
1002	2000527.47	6468613.82	EC	END CURVE
1003	2000527.35	6468588.52	EC	END CURVE
1004	2000517.34	6468590.96	CC	CORNER CONCRETE
1005	2000517.10	6468562.86	CC	CORNER CONCRETE
1006	2000524.10	6468562.79	CC	CORNER CONCRETE
1007	2000258.08	6468747.34	CC	CORNER CONCRETE
1008	2000248.69	6468740.40	CC	CORNER CONCRETE
1009	2000433.76	6468817.33	RP	RADIUS POINT
1010	2000541.14	6468822.11	CC	CORNER CONCRETE
1011	2000540.90	6468826.00	CC	CORNER CONCRETE
1012	2000546.86	6468827.79	CC	CORNER CONCRETE
1013	2000547.12	6468814.86	CC	CORNER CONCRETE
1014	2000597.17	6468809.55	CC	CORNER CONCRETE
1015	2000597.28	6468801.35	CC	CORNER CONCRETE
1016	2000597.11	6468814.24	CC	CORNER CONCRETE
1017	2000596.97	6468824.24	CC	CORNER CONCRETE
1018	2000519.59	6468945.91	CC	CORNER CONCRETE
1019	2000463.80	6468946.04	BC	BEGIN CURVE
1020	2000456.25	6468946.08	CC	CORNER CONCRETE
1021	2000473.74	6468935.98	EC	END CURVE
1022	2000365.61	6468810.51	CC	CORNER CONCRETE
1023	2000463.74	6468936.04	RP	RADIUS POINT
1024	2000390.57	6468786.35	CC	CORNER CONCRETE
1025	2000249.35	6468667.41	RP	RADIUS POINT
1026	2000388.64	6468844.97	CC	CORNER CONCRETE
1027	2000403.81	6468836.09	EC	END CURVE
1028	2000398.76	6468827.46	RP	RADIUS POINT
1029	2000388.35	6468799.64	CC	CORNER CONCRETE
1030	2000407.82	6468823.22	BC	BEGIN CURVE
1031	2000376.13	6468782.96	CC	CORNER CONCRETE
1032	2000388.64	6468833.94	CC	CORNER CONCRETE
1033	2000277.71	6468785.20	CC	CORNER CONCRETE
1034	2000382.17	6468786.42	CC	CORNER CONCRETE
1035	2000386.90	6468776.38	CC	CORNER CONCRETE
1036	2000357.39	6468806.76	CC	CORNER CONCRETE
1037	2000258.31	6468777.34	CC	CORNER CONCRETE
1039	2000281.72	6468785.17	CC	CORNER CONCRETE
1040	2000281.72	6468819.12	CC	CORNER CONCRETE
1041	2000289.19	6468819.11	CC	CORNER CONCRETE
1042	2000289.16	6468809.44	CC	CORNER CONCRETE
1043	2000292.59	6468800.82	CC	CORNER CONCRETE
1044	2000365.61	6468806.71	CC	CORNER CONCRETE
1045	2000292.53	6468783.59	CC	CORNER CONCRETE
1046	2000192.22	6468625.19	CC	CORNER CONCRETE
1047	2000197.43	6468625.16	CC	CORNER CONCRETE
1048	2000192.27	6468637.20	CC	CORNER CONCRETE
1049	2000197.56	6468644.05	CC	CORNER CONCRETE
1050	2000176.19	6468644.31	CC	CORNER CONCRETE
1051	2000173.63	6468637.84	BC	BEGIN CURVE
1052	2000169.18	6468642.37	EC	END CURVE
1053	2000169.35	6468667.88	BC	BEGIN CURVE
1054	2000169.89	6468676.58	CC	CORNER CONCRETE
1055	2000176.83	6468675.78	CC	CORNER CONCRETE
1056	2000171.11	6468684.10	CC	CORNER CONCRETE
1057	2000173.94	6468694.10	CC	CORNER CONCRETE
1058	2000176.83	6468701.17	CC	CORNER CONCRETE
1059	2000183.17	6468698.22	CC	CORNER CONCRETE
1060	2000249.95	6468747.40	EC	END CURVE
1061	2000221.26	6468734.79	CC	CORNER CONCRETE
1062	2000225.71	6468743.83	CC	CORNER CONCRETE
1063	2000235.71	6468746.23	CC	CORNER CONCRETE
1064	2000243.78	6468740.19	CC	CORNER CONCRETE
1065	2000218.57	6468741.25	CC	CORNER CONCRETE
1066	2000243.24	6468747.17	CC	CORNER CONCRETE
1067	2000173.68	6468642.34	RP	RADIUS POINT
1068	2000187.64	6468637.67	CC	CORNER CONCRETE
1069	2000262.38	6468787.31	CC	CORNER CONCRETE
1070	2000408.17	6468786.22	CC	CORNER CONCRETE
1071	2000281.72	6468800.90	CC	CORNER CONCRETE
1072	2000424.71	6468821.56	BC	BEGIN CURVE
1073	2000443.65	6468834.98	CC	CORNER CONCRETE
1074	2000443.65	6468835.38	CC	CORNER CONCRETE
1075	2000494.59	6468903.10	EC	END CURVE
1076	2000492.59	6468903.12	BC	BEGIN CURVE
1077	2000493.59	6468903.11	RP	RADIUS POINT
1078	2000467.23	6468934.35	CC	CORNER CONCRETE
1079	2000524.59	6468945.89	CC	CORNER CONCRETE
1080	2000244.18	6468914.09	CW	CORNER OF WALL
1081	2000244.32	6468936.76	CW	CORNER OF WALL
1082	2000287.71	6468945.94	CW	CORNER OF WALL
1083	2000428.60	6468825.89	EC	END CURVE
1084	2000282.98	6468936.62	CW	CORNER OF WALL
1085	2000283.04	6468945.96	CW	CORNER OF WALL
1086	2000244.38	6468946.76	CW	CORNER OF WALL
1087	2000193.51	6468914.39	CW	CORNER OF WALL
1088	2000193.70	6468947.06	CW	CORNER OF WALL
1089	2000251.09	6468742.90	CC	CORNER CONCRETE
1090	2000379.30	6468806.62	CC	CORNER CONCRETE
1091	2000405.90	6468776.24	CC	CORNER CONCRETE
1092	2000341.40	6468801.91	CC	CORNER CONCRETE
1093	2000383.94	6468799.65	CC	CORNER CONCRETE
1094	2000475.54	6468946.03	CC	CORNER CONCRETE
1095	2000379.72	6468823.98	CC	CORNER CONCRETE
1096	2000555.88	6468794.91	CW	CORNER OF WALL
1097	2000559.45	6468787.69	CC	CORNER CONCRETE
1098	2000524.55	6468615.41	CC	CORNER CONCRETE
1099	2000387.39	6468774.38	CC	CORNER CONCRETE
1100	2000385.88	6468772.89	CC	CORNER CONCRETE
1101	2000380.88	6468772.93	CC	CORNER CONCRETE
1102	2000379.39	6468774.44	CC	CORNER CONCRETE
1103	2000544.11	6468810.20	CW	CORNER OF WALL
1104	2000221.65	6468948.39	AC	CORNER ASPHALT
1105	2000221.65	6468954.62	AC	CORNER ASPHALT
1106	2000226.87	6468954.62	AC	CORNER ASPHALT
1107	2000226.87	6468949.68	AC	CORNER ASPHALT
1108	2000257.15	6468949.68	AC	CORNER ASPHALT
1109	2000258.65	6468948.17	AC	CORNER ASPHALT
1110	2000289.08	6468948.07	AC	CORNER ASPHALT
1111	2000467.30	6468945.38	CC	CORNER CONCRETE
1112	2000192.00	6468912.90	CC	CORNER CONCRETE
1113	2000210.04	6468946.96	CW	CORNER OF WALL
1114	2000245.67	6468912.58	CC	CORNER CONCRETE
1115	2000245.82	6468936.75	CC	CORNER CONCRETE
1116	2000282.33	6468930.21	CC	CORNER CONCRETE
1117	2000289.87	6468930.13	CC	CORNER CONCRETE
1118	2000290.01	6468945.97	CC	CORNER CONCRETE
1119	2000471.23	6468934.32	CC	CORNER CONCRETE
1120	2000380.17	6468833.91	CC	CORNER CONCRETE
1121	2000244.33	6468939.09	CW	CORNER OF WALL
1122	2000008.09	6468653.10	CC	CORNER CONCRETE
1123	2000008.33	6468655.07	CC	CORNER CONCRETE
1124	2000072.12	6468654.60	CC	CORNER CONCRETE
1125	2000072.11	6468652.68	CC	CORNER CONCRETE
1126	2000079.33	6468652.55	CC	CORNER CONCRETE
1127	2000079.39	6468654.55	CC	CORNER CONCRETE
1128	2000104.77	6468652.36	AC	CORNER ASPHALT
1129	2000102.83	6468654.38	AC	CORNER ASPHALT
1130	2000106.34	6468701.38	CC	CORNER CONCRETE
1131	2000104.31	6468701.77	CC	CORNER CONCRETE
1132	2000458.64	6468609.97	CC	CORNER CONCRETE
1133	2000460.64	6468609.96	CC	CORNER CONCRETE
1134	2000458.51	6468565.02	AC	CORNER ASPHALT
1135	2000460.51	6468566.98	AC	CORNER ASPHALT
1136	2000499.84	6468564.26	CC	CORNER CONCRETE
1137	2000499.86	6468566.26	CC	CORNER CONCRETE
1138	2000505.65	6468564.15	CC	CORNER CONCRETE
1139	2000505.68	6468566.15	CC	CORNER CONCRETE
3000	2000524.71	6468634.05	CC	CORNER CONCRETE
3001	2000524.65	6468627.90	CC	CORNER CONCRETE
3006	2000527.46	6468610.90	CC	CORNER CONCRETE
3007	2000559.43	6468615.81	FP	FENCE POST
3008	2000559.93	6468610.90	CC	CORNER CONCRETE
3009	2000559.43	6468612.07	FP	FENCE POST
3010	2000559.93	6468590.90	CC	CORNER CONCRETE
3011	2000703.68	6468550.06	FP	FENCE POST
3012	2000527.38	6468590.90	CC	CORNER CONCRETE
3013	2000560.33	6468571.24	FP	FENCE POST
3014	2000559.43	6468550.09	FP	FENCE POST
3015	2000614.26	6468550.97	FP	FENCE POST
3016	2000567.68	6468571.22	FP	FENCE POST
3017	2000600.69	6468571.23	FP	FENCE POST
3018	2000614.26	6468571.26	FP	FENCE POST
3019	2000664.31	6468571.66	CC	CORNER CONCRETE
3020	2000664.31	6468550.57	CC	CORNER CONCRETE
3021	2000561.07	6468620.65	CC	CORNER CONCRETE
3022	2000590.37	6468613.88	CC	CORNER CONCRETE
3023	2000636.93	6468613.88	CC	CORNER CONCRETE
3024	2000642.10	6468619.05	CC	CORNER CONCRETE
3025	2000704.26	6468619.05	CC	CORNER CONCRETE
3026	2000704.13	6468566.23	CC	CORNER CONCRETE
3027	2000691.93	6468566.23	CC	CORNER CONCRETE
3030	2000690.93	6468550.07	FP	FENCE POST
3032	2000573.43	6468505.31	EC	END CURVE
3033	2000571.43	6468503.31	BC	BEGIN CURVE
3034	2000667.93	6468549.57	CC	CORNER CONCRETE
3038	2000652.56	6468496.30	AC	CORNER ASPHALT
3039	2000703.56	6468496.30	AC	CORNER ASPHALT
3040	2000833.25	6468633.79	CC	CORNER CONCRETE
3041	2000696.28	6468521.69	CC	CORNER CONCRETE
3045	2000662.43	6468505.58	BC	BEGIN CURVE
3050	2000701.78	6468527.69	CC	CORNER CONCRETE
3051	2000691.93	6468522.19	CC	CORNER CONCRETE
3052	2000691.93	6468527.69	CC	CORNER CONCRETE
3053	2000701.77	6468509.30	CC	CORNER CONCRETE
3055	2000667.93	6468522.19	CC	CORNER CONCRETE
3057	2000741.48	6468625.97	CW	CORNER OF WALL
3058	2000741.48	6468620.66	CW	CORNER OF WALL
3059	2000741.48	6468610.72	CW	CORNER OF WALL
3060	2000741.48	6468608.29	CC	CORNER CONCRETE
3062	2000764.61	6468641.35	CW	CORNER OF WALL
3063	2000767.60	6468608.29	CC	CORNER CONCRETE
3064	2000833.14	6468613.80	CC	CORNER CONCRETE
3068	2000785.89	6468682.03	CC	CORNER CONCRETE
3069	2000834.12	6468682.03	CC	CORNER CONCRETE
3070	2000834.16	6468688.03	CC	CORNER CONCRETE
3071	2000785.89	6468688.03	CC	CORNER CONCRETE
3072	2000776.37	6468638.03	CC	CORNER CONCRETE
3073	2000767.65	6468638.03	CC	CORNER CONCRETE
3074	2000765.02	6468641.64	CC	CORNER CONCRETE
3075	2000761.90	6468634.89	CC	CORNER CONCRETE
3076	2000759.76	6468637.83	CC	CORNER CONCRETE
3077	2000749.77	6468630.55	CW	CORNER OF WALL
3078	2000573.43	6468527.68	CC	CORNER CONCRETE
3079	2000761.37	6468639.01	CW	CORNER OF WALL
3080	2000773.89	6468648.04	CW	CORNER OF WALL
3081	2000773.89	6468694.05	CW	CORNER OF WALL
3082	2000746.60	6468674.24	CW	CORNER OF WALL
3083	2000746.60	6468679.19	CC	CORNER CONCRETE
3084	2000774.95	6468699.72	CC	CORNER CONCRETE
3085	2000776.39	6468697.73	CC	CORNER CONCRETE
3089	2000785.89	6468742.03	CC	CORNER CONCRETE
3090	2000834.49	6468742.03	CC	CORNER CONCRETE
3091	2000834.53	6468748.03	CC	CORNER CONCRETE
3092	2000785.89	6468748.03	CC	CORNER CONCRETE
3093	2000785.89	6468765.32	BC	BEGIN CURVE
3097	2000525.59	6468676.57	CC	CORNER CONCRETE
3098	2000550.70	6468658.74	CC	CORNER CONCRETE
3099	2000538.65	6468706.31	CW	CORNER OF WALL
3100	2000560.06	6468680.75	CW	CORNER OF WALL
3101	2000542.76	6468701.40	CC	CORNER CONCRETE
3102	2000564.21	6468750.38	BC	BEGIN CURVE
3103	2000570.36	6468749.20	CC	CORNER CONCRETE
3104	2000605.56	6468746.04	EC	END CURVE
3105	2000605.83	6468948.06	RP	RADIUS POINT
3106	2000564.75	6468755.12	CW	CORNER OF WALL
3107	2000608.27	6468757.81	CW	CORNER OF WALL
3108	2000747.93	6468791.19	PRC	POINT OF REVERSE CURVE
3109	2000615.88	6468746.29	BC	BEGIN CURVE
3110	2000660.49	6468752.02	EC	END CURVE
3111	2000580.33	6469185.72	RP	RADIUS POINT
3112	2000617.52	6468753.39	BC	BEGIN CURVE
3113	2000658.92	6468758.85	EC	END CURVE
3114	2000618.97	6468759.68	BC	BEGIN CURVE
3115	2000656.30	6468770.18	EC	END CURVE
3116	2000665.73	6468773.80	BC	BEGIN CURVE
3117	2000613.15	6468778.92	CC	CORNER CONCRETE
3118	2000623.94	6468781.23	CC	CORNER CONCRETE
3119	2000563.41	6468775.17	CC	CORNER CONCRETE
3120	2000619.58	6468806.80	CC	CORNER CONCRETE
3121	2000630.47	6468809.49	CC	CORNER CONCRETE
3122	2000651.76	6468789.84	CC	CORNER CONCRETE
3123	2000571.47	6469000.01	RP	RADIUS POINT
3124	2000741.48	6468578.87	CW	CORNER OF WALL
3125	2000646.32	6468813.40	CC	CORNER CONCRETE
3126	2000656.04	6468815.79	CC	CORNER CONCRETE
3127	2000661.20	6468793.41	CC	CORNER CONCRETE
3128	2000701.56	6468675.10	RP	RADIUS POINT
3129	2000720.61	6468798.64	CC	CORNER CONCRETE
3130	2000724.07	6468813.63	CC	CORNER CONCRETE
3131	2000734.31	6468813.53	CC	CORNER CONCRETE
3132	2000730.43	6468796.73	CC	CORNER CONCRETE
3133	2000750.20	6468790.32	CC	CORNER CONCRETE
3134	2000667.93	6468508.19	EC	END CURVE
3135	2000766.60	6468708.03	CC	CORNER CONCRETE
3136	2000785.79	6468785.36	BC	BEGIN CURVE
3137	2000716.09	6468779.09	CC	CORNER CONCRETE
3138	2000725.93	6468777.24	CC	CORNER CONCRETE
3139	2000668.74	6468760.78	BC	BEGIN CURVE
3140	2000712.49	6468763.50	EC	END CURVE
3141	2000670.35	6468753.96	BC	BEGIN CURVE
3142	2000710.92	6468756.69	EC	END CURVE
3143	2000721.01	6468755.94	BC	BEGIN CURVE
3144	2000750.35	6468752.40	EC	END CURVE
3145	2000699.07	6468626.30	RP	RADIUS POINT
3146	2000684.30	6468329.15	CC	CORNER CONCRETE
3147	2000722.49	6468762.34	BC	BEGIN CURVE
3148	2000750.35	6468758.98	EC	END CURVE
3149	2000750.35	6468769.24	CC	CORNER CONCRETE
3153	2000776.60	6468748.03	CC	CORNER CONCRETE
3154	2000779.46	6468870.12	RP	RADIUS POINT
3155	2000809.28	6468790.52	PRC	POINT OF REVERSE CURVE
3156	2000766.60	6468748.03	CC	CORNER CONCRETE
3157	2000776.60	6468718.03	CC	CORNER CONCRETE
3158	2000848.11	6468799.78	PRC	POINT OF REVERSE CURVE
3159	2000766.60	6468718.03	CC	CORNER CONCRETE
3160	2000846.27	6468824.71	RP	RADIUS POINT
3161	2000868.18	6468812.66	EC	END CURVE
3162	2000785.89	6468634.13	CC	CORNER CONCRETE
3163	2000898.60	6468811.36	BC	BEGIN CURVE
3164	2000834.75	6468777.67	CC	CORNER CONCRETE
3165	2000834.71	6468773.27	CC	CORNER CONCRETE
3166	2000844.18	6468773.20	CC	CORNER CONCRETE
3167	2000844.18	6468779.30	BC	BEGIN CURVE
3168	2000848.70	6468749.63	RP	RADIUS POINT
3169	2000877.49	6468758.06	PRC	POINT OF REVERSE CURVE
3170	2000908.78	6468742.49	PCC	POINT OF COMPOUND CURVE
3171	2001040.90	6468797.21	RP	RADIUS POINT
3172	2000919.31	6468720.07	CC	CORNER CONCRETE
3173	2000924.24	6468719.93	CC	CORNER CONCRETE
3174	2000924.20	6468712.75	CC	CORNER CONCRETE
3175	2001155.46	6468844.66	RP	RADIUS POINT
3176	2001043.28	6468602.58	CC	CORNER CONCRETE
3177	2001032.22	6468579.94	CC	CORNER CONCRETE
3178	2000540.04	6468503.31	CC	CORNER CONCRETE
3179	2000258.38	6468787.34	CC	CORNER CONCRETE
3181	2000740.51	6468772.61	PRC	POINT OF REVERSE CURVE
3182	2000749.31	6468575.72	CC	CORNER CONCRETE
3183	2000749.31	6468608.29	CC	CORNER CONCRETE
3184	2000704.26	6468608.43	CC	CORNER CONCRETE
3185	2000932.19	6468656.47	CC	CORNER CONCRETE
3186	2000969.24	6468612.94	CC	CORNER CONCRETE
3187	2000989.80	6468604.20	CC	CORNER CONCRETE
3188	2000857.31	6468675.12	RP	RADIUS POINT
3189	2000704.17	6468578.09	CC	CORNER CONCRETE
3191	2000561.56	6468624.98	FP	FENCE POST
3192	2000765.30	6468575.68	CC	CORNER CONCRETE
3193	2000923.32	6468712.76	CC	CORNER CONCRETE
3194	2000874.96	6468730.07	CC	CORNER CONCRETE
3195	2000874.70	6468700.17	CC	CORNER CONCRETE
3196	2000901.78	6468700.06	CC	CORNER CONCRETE
3197	2000932.16	6468633.11	CC	CORNER CONCRETE
3198	2000916.75	6468633.15	CC	CORNER CONCRETE
3199	2000916.80	6468613.26	CC	CORNER CONCRETE
3200	2000969.18	6468604.20	CC	CORNER CONCRETE
3201	2000656.47	6468813.91	CC	CORNER CONCRETE
3202	2000765.33	6468608.29	CC	CORNER CONCRETE
3203	2000776.60	6468708.03	CC	CORNER CONCRETE
3204	2000776.60	6468758.03	CC	CORNER CONCRETE
3205	2000750.41	6468813.37	CC	CORNER CONCRETE
3206	2000766.60	6468758.03	CC	CORNER CONCRETE
3207	2000834.88	6468798.09	CC	CORNER CONCRETE
3208	2000844.26	6468799.44	CC	CORNER CONCRETE
3209	2000834.89	6468813.03	CC	CORNER CONCRETE
3210	2000844.37	6468812.96	CC	CORNER CONCRETE
3211	2000662.90	6468508.20	RP	RADIUS POINT
3212	2000538.61	6468630.83	CC	CORNER CONCRETE
3213	2000545.69	6468661.46	CC	CORNER CONCRETE
3214	2000843.38	6468652.13	CC	CORNER CONCRETE
3215	2000862.43	6468652.26	CC	CORNER CONCRETE
3216	2000862.60	6468671.15	CC	CORNER CONCRETE
3217	2000872.60	6468671.10	CC	CORNER CONCRETE
3218	2000872.65	6468681.13	CC	CORNER CONCRETE
3219	2000882.63	6468681.18	CC	CORNER CONCRETE
3220	2000882.67	6468692.14	CC	CORNER CONCRETE
3221	2000906.52	6468692.05	CC	CORNER CONCRETE
3222	2000971.71	6468650.94	CC	CORNER CONCRETE
3223	2000978.89	6468644.38	CC	CORNER CONCRETE
3224	2000984.84	6468648.05	CC	CORNER CONCRETE
3225	2000979.78	6468656.05	CC	CORNER CONCRETE
3226	2000886.92	6468730.00	CC	CORNER CONCRETE

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAYE R. BAILEY
No. 41003
CIVIL
STATE OF CALIFORNIA
04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
HORIZONTAL CONTROL PLAN TABLE

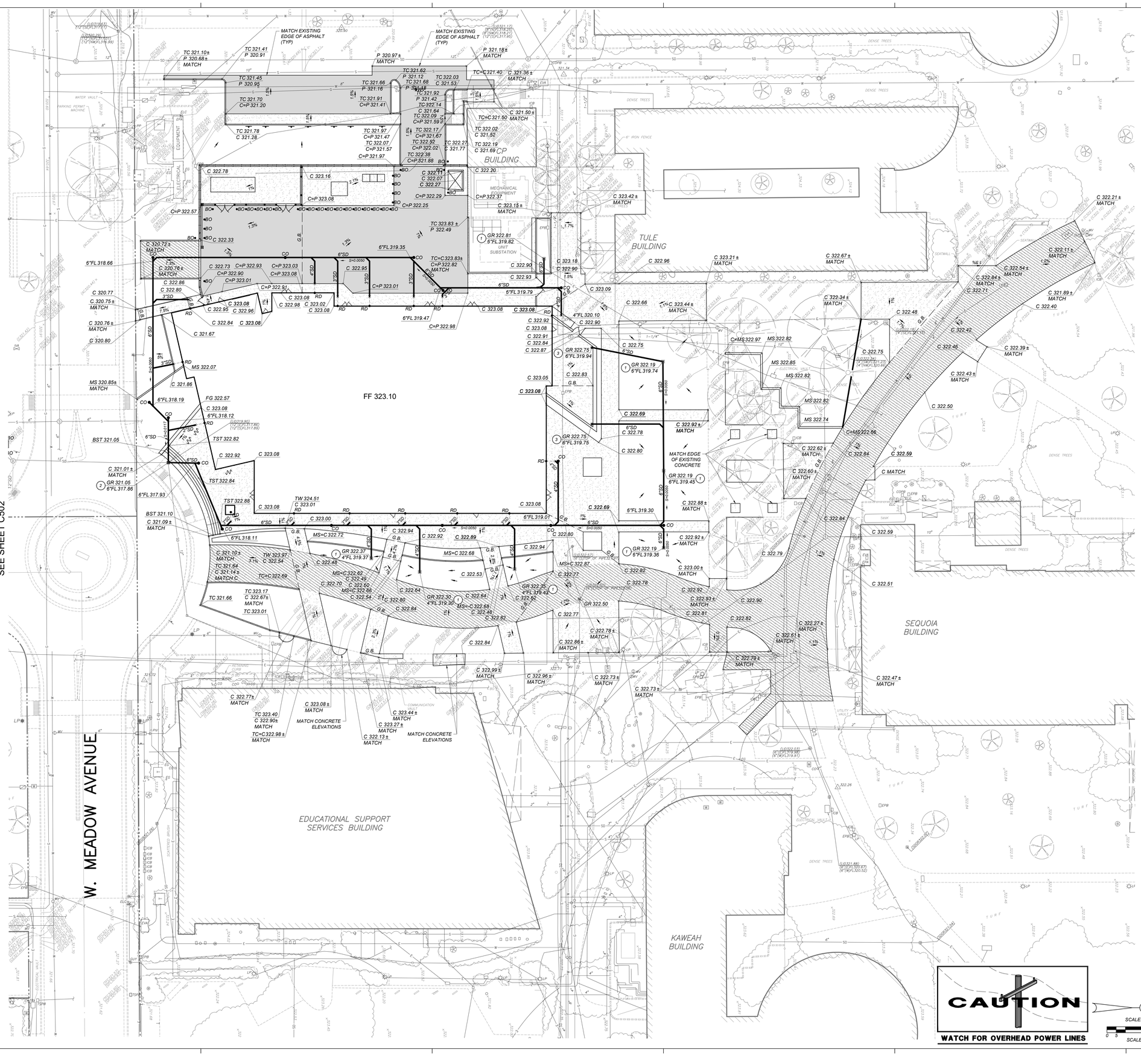
PROJECT NO.
22-12499

DRAWING
C403

Blair, Church & Flynn
CONSULTING ENGINEERS
400 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1200

Drawing: P:\223\223-02811\Site\ProductionDrawings\223281_hc01.dwg
Plot by: bader Aug 14, 2026 - 10:03am

P:\223\223-02811\Site\ProductionDrawings\223281_gr01.dwg



GRADING AND DRAINAGE LEGEND:

BST	BOTTOM OF STEP
C	CONCRETE
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOWLINE
GR	STORM DRAIN GRATE
MS	MOWSTRIP
P	PAVEMENT
TC	TOP OF CURB
TST	TOP OF STEP
TW	TOP OF WALL
(344.9)	EXISTING ELEVATION
328.78	NEW FINISHED GRADE
	DIRECTION OF SURFACE DRAINAGE
	BUILDING OVER-EXCAVATION LIMITS; SEE DETAIL [6/X101]
G.B.	GRADE BREAK
	LIMITS OF GRADING
S=0.0050	PIPE SLOPE AND DIRECTION OF FLOW
	SWALE AND DIRECTION OF FLOW
1	V12 STORM DRAIN INLET PER DETAIL [G/X102]
2	CONNECT TO EXISTING STORM DRAIN LINE WITH WATER-TIGHT CONNECTION. VERIFY SIZE, DEPTH, AND LOCATION.
3	P6 STORM DRAIN INLET PER DETAIL [H/X102]
CO	SURFACE CLEANOUT PER DETAIL [F/X102]
SD	STORM DRAIN PIPELINE; SIZE AS NOTED. TRENCH AND BACKFILL PER DETAIL [I/X101]
S=0.0020	FLOWLINE SLOPE AND DIRECTION OF FLOW

GENERAL GRADING AND DRAINAGE NOTES:

THE REQUIREMENTS AND INFORMATION SET OUT BELOW ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND DO NOT ENCOMPASS ALL PROJECT REQUIREMENTS DESCRIBED BY THE PROJECT PLANS AND SPECIFICATIONS AND/OR APPLICABLE LAWS, REGULATIONS AND/OR BUILDING CODES.

1. *CONSTRUCTION OF ALL PROJECT SITE IMPROVEMENTS SUBJECT TO ADA ACCESS COMPLIANCE, INCLUDING ACCESSIBLE PATH OF TRAVEL, CURB RETURNS, PARKING STALL(S) AND UNLOADING AREAS, BARRIER FREE AMENITIES AND/OR OTHER APPLICABLE SITE IMPROVEMENTS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, THE CALIFORNIA BUILDING CODE, CURRENT EDITION(S).*
2. *CONTRACTOR SHALL FIELD VERIFY ALL GRADES AND SLOPES PRIOR TO THE PLACEMENT OF CONCRETE AND/OR PAVEMENT FOR CONFORMANCE WITH ADA ACCESS COMPLIANCE REQUIREMENTS. EXAMPLES OF MINIMUM AND MAXIMUM LIMITS RELATED TO ADA ACCESS COMPLIANCE INCLUDE, BUT ARE NOT LIMITED TO:*
   a) *ACCESSIBLE PATH OF TRAVEL CROSS-SLOPE SHALL NOT EXCEED 2%*
   b) *ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%*
   c) *RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%*
   d) *ACCESSIBLE WALKS SHALL NOT HAVE LESS THAN 48 INCHES IN UNOBSTRUCTED WIDTH*
   e) *ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION*
   f) *LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION*
   g) *GUTTERS AND ROAD SURFACES DIRECTLY ADJACENT TO AND WITHIN 2 FEET OF A CURB RAMP SHALL HAVE A COUNTER SLOPE NOT TO EXCEED 5%*
3. *CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IDENTIFIED BY THE PROFESSIONAL ENGINEERING SEAL AND SIGNATURE ON THESE PLANS, IF ANY SITE CONDITION(S) AND/OR DESIGN INFORMATION THAT PREVENTS THE CONTRACTOR FROM COMPLYING WITH THE LAWS, REGULATIONS AND/OR BUILDING CODES GOVERNING ADA ACCESS COMPLIANCE.*
4. *GROUND SLOPES AWAY FROM BUILDING PADS IN LANDSCAPED OR DIRT AREAS SHALL BE NO LESS THAN 5% FOR AT LEAST TEN (10) FEET, OR AS OTHERWISE NOTED ON THE PLANS.*
5. *DRAINAGE SHALL NOT BE ALLOWED ONTO ADJACENT PROPERTY.*
6. *ALL FILL MATERIAL USED TO SUPPORT THE FOUNDATIONS OF ANY BUILDING OR STRUCTURE SHALL BE PLACED UNDER THE DIRECTION OF A LICENSED GEOTECHNICAL ENGINEER, AND IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS. A SOILS COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AS REQUIRED BY THE PROJECT SPECIFICATIONS.*
7. *THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.*
8. *THE CONTRACTOR SHALL IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE PROJECT SPECIFICATIONS AND THE STATE WATER RESOURCES CONTROL BOARD'S CONSTRUCTION GENERAL PERMIT. IMPLEMENT BEST MANAGEMENT PRACTICES WITHIN PUBLIC RIGHT OF WAY PER LOCAL JURISDICTION REQUIREMENTS.*
9. *AS A FIRST ORDER OF WORK, THE CONTRACTOR SHALL POT HOLE THE EXISTING UTILITY LINES AT THE POINT OF CONNECTION TO VERIFY THE LOCATION, SIZE, PIPE MATERIAL AND ELEVATION SO THAT THE ENGINEER CAN MAKE ELEVATION AND/OR ALIGNMENT ADJUSTMENTS IF NECESSARY. SHOULD POT HOLING DISCOVER ANY DISCREPANCIES, CONTACT THE ENGINEER AND OBTAIN WRITTEN DIRECTION BEFORE PROCEEDING.*
10. *ADJUST UTILITY LIDS WITHIN NEW CONSTRUCTION AREA TO FINISHED GRADE PER DETAIL [J/X101]. REPLACE ALL BROKEN LIDS WITH NEW. PROVIDE TRAFFIC RATED LIDS WITHIN VEHICLE LOADING AREAS.*
11. *WATER TEST PAVEMENT WITHIN NEW IMPROVEMENT AREA. REPLACE PAVEMENT WHERE BIRD BATHS OCCUR AFTER TEST AS DIRECTED BY THE INSPECTOR OR ENGINEER.*
12. *MINIMUM SLOPE ON IMPERVIOUS SURFACES PERPENDICULAR TO ADJACENT BUILDING(S) AND STRUCTURE(S), WITHIN ADA PATH, SHALL BE 1% MINIMUM AND 2% MAXIMUM. WHERE DOOR AND GATE LANDINGS OCCUR THE CROSS SLOPE SHALL BE 2% MAXIMUM IN ALL DIRECTIONS*

CAUTION
WATCH FOR OVERHEAD POWER LINES

SCALE: 1"=20'
0 5 20 40
SCALE IN FEET

811 Know what's below. Call before you dig.

Blair, Church & Flynn
CONSULTING ENGINEERS
455 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-5400
Fax (559) 326-5300

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Date Signed:

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

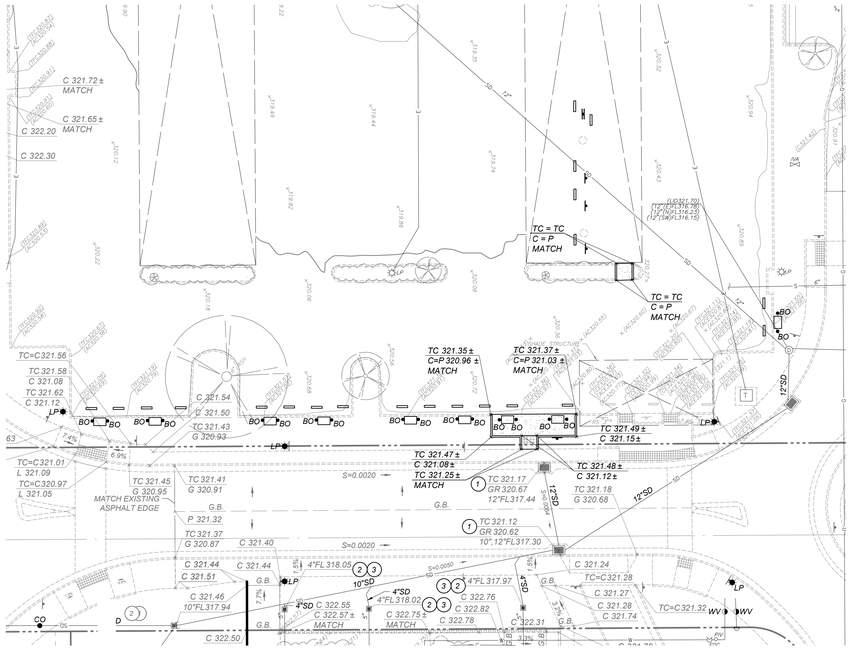
DRAWING TITLE
PARTIAL GRADING AND DRAINAGE PLAN

PROJECT NO.
22-12499

DRAWING
C501

Drawing: P:\223\223-02811\Site\ProductionDrawings\223281_gr01.dwg, C501
Plot By: bailer Aug 14, 2026 - 10:03am

PLOT DATE: 8/14/2026 10:03:12 AM



GRADING AND DRAINAGE LEGEND:

BST	BOTTOM OF STEP
C	CONCRETE
FF	FINISHED FLOOR
FG	FINISHED GRADE
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GR	STORM DRAIN GRATE
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(344.9)	EXISTING ELEVATION
328.78	NEW FINISHED GRADE
	DIRECTION OF SURFACE DRAINAGE
	BUILDING OVER-EXCAVATION LIMITS; SEE DETAIL [K/X101]
G.B.	GRADE BREAK
	LIMITS OF GRADING
S=0.0050	PIPE SLOPE AND DIRECTION OF FLOW
	SWALE AND DIRECTION OF FLOW
1	V12 STORM DRAIN INLET PER DETAIL [G/X102]
2	CONNECT TO EXISTING STORM DRAIN LINE WITH WATER-TIGHT CONNECTION. VERIFY SIZE, DEPTH, AND LOCATION.
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CO	SURFACE CLEANOUT PER DETAIL [F/X102]
SD	STORM DRAIN PIPELINE; SIZE AS NOTED. TRENCH AND BACKFILL PER DETAIL [I/X101]
S=0.0020	FLOWLINE SLOPE AND DIRECTION OF FLOW

GENERAL GRADING AND DRAINAGE NOTES:

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   - *f) LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION*
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SCALE: 1"=20'

0 5 20 40
SCALE IN FEET

811
Know what's below.
Call before you dig.

Blair, Church & Flynn
CONSULTING ENGINEERS
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1200

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
CLAIRE R. BAILEY
No. 41003
CIVIL
STATE OF CALIFORNIA

04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

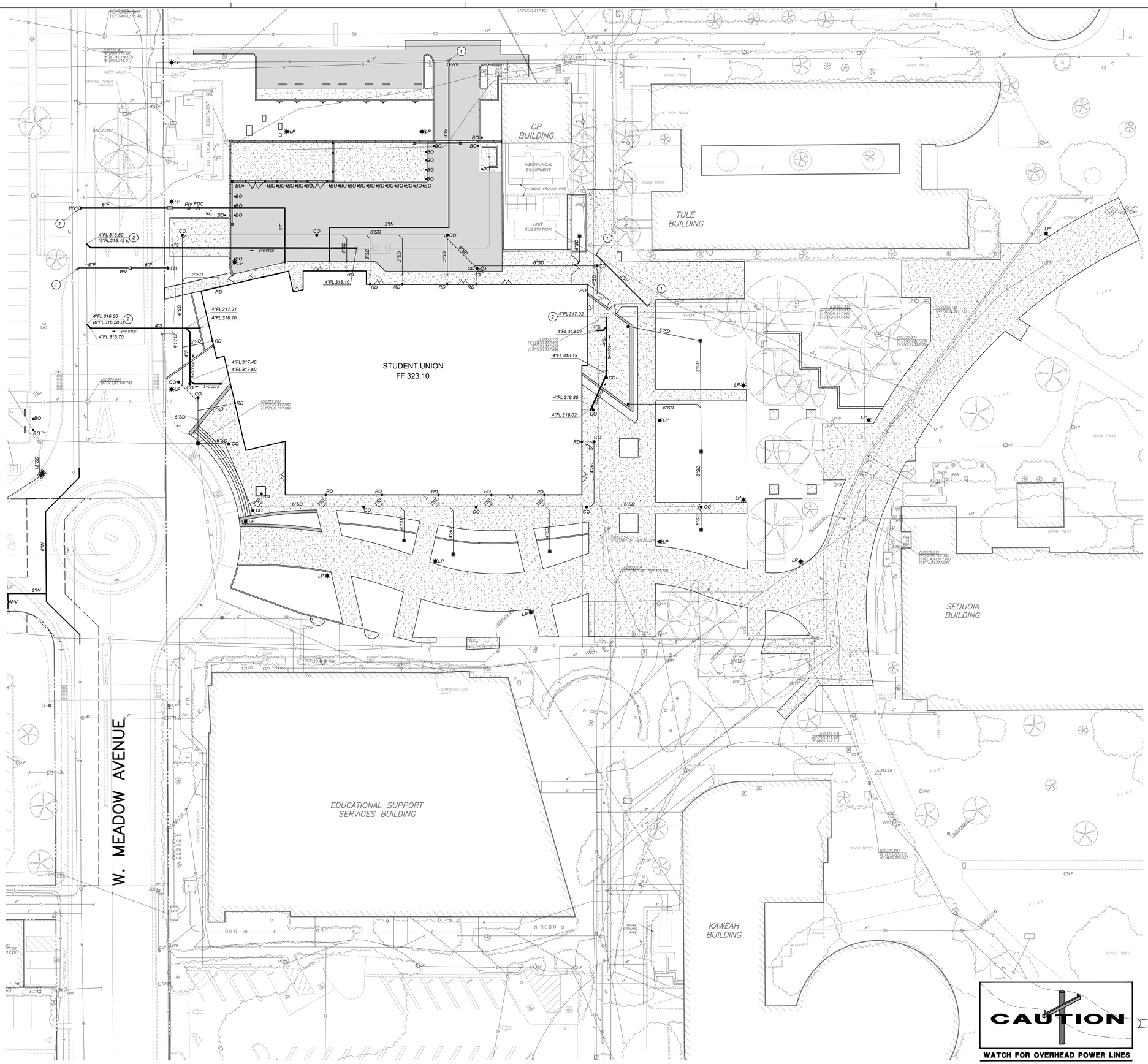
DRAWING TITLE
PARTIAL GRADING AND DRAINAGE PLAN

PROJECT NO.
22-12499

DRAWING
C502

Drawing: P:\223\223-02811\SiteProductionDrawings\223281_gr01.dwg - C502 - Plot by: bader - Aug 14, 2026 - 10:03am

PLOT DATE: 8/14/2026 10:03:39 AM



UTILITY LEGEND:

S	SEWER MAIN. SIZE AS NOTED ON PLANS. PIPE BEDDING AND BACKFILL PER DETAIL [I/101]
W	WATER MAIN. SIZE AS NOTED ON PLANS, MIN. 30" COVER. PIPE BEDDING AND BACKFILL PER DETAIL [I/X101]
F	FIRE MAIN, SIZE AS NOTED ON PLANS, MIN. 42" COVER. THRUST BLOCKS PER DETAIL [E/X102]. PIPE BEDDING AND BACKFILL PER DETAIL [I/X101].
SD	STORM DRAIN PIPE. SEE GRADING PLAN
FF	FINISHED FLOOR
FL	FLOWLINE
CO	SEWER CLEANOUT PER DETAIL [P/X101]
	DOUBLE DETECTOR CHECK VALVE PER DETAIL [A/X102]
FDC	FIRE DEPARTMENT CONNECTION PER DETAIL [D/X102]
FH	FIRE HYDRANT ASSEMBLY PER DETAIL [B/X102]
PIV	POST INDICATOR VALVE PER DETAIL [D/X102]
RD	ROOF DRAIN: SEE PLUMBING PLANS
WV	WATER VALVE PER DETAIL [C/X102]
	POINT OF CONNECTION TO EXISTING OR PROPOSED UTILITY, COORDINATE WITH PLUMBING PLANS PRIOR TO CONNECTION.
S=0.0050	PIPE SLOPE AND DIRECTION OF FLOW
1	CONNECT TO EXISTING WATER LINE WITH WATER-TIGHT CONNECTION. VERIFY SIZE, DEPTH, AND LOCATION.
2	CONNECT TO EXISTING SEWER LINE WITH WATER-TIGHT CONNECTION. VERIFY SIZE, DEPTH, AND LOCATION.

GENERAL SITE UTILITY NOTES:

1. AS FIRST ORDER OF WORK, CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF LOCATIONS, SIZE AND DEPTH.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, SIZE, DEPTH, AND TYPE OF ALL EXISTING UTILITIES AND INTERFERENCES SITUATED ALONG THE ROUTE OF THE PROPOSED CONSTRUCTION PRIOR TO COMMENCEMENT OF EXCAVATION, FABRICATION, AND INSTALLATION. THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS IN SUCH A MANNER AS WILL PROTECT ALL EXISTING UNDERGROUND UTILITIES AND, IN THE EVENT OF ANY CONFLICTS, SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING.
3. SEE IRRIGATION PLANS FOR PROPOSED IRRIGATION PIPE ALIGNMENT.
4. COORDINATE EXACT POINTS OF CONNECTION TO BUILDING PLUMBING AND NOTIFY THE ENGINEER OF ANY CONFLICT SO THAT ADJUSTMENTS CAN BE MADE IF NEEDED.
5. SAWCUT EXISTING CONCRETE IMPROVEMENTS AS NECESSARY TO INSTALL NEW WATER OR SEWER IMPROVEMENTS. CONSTRUCT NEW CONCRETE IMPROVEMENTS TO MATCH ADJACENT CONCRETE IMPROVEMENTS AND JOIN TOGETHER WITH DOWEL BARS PER DETAIL [I/X101].
6. INSTALLATION, TYPE, AND MANUFACTURER'S MODELS OF DOMESTIC WATER METERS, DRAIN INLETS/OUTLETS AND OTHER APPURTENANCES OF SITE UTILITY SYSTEMS SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.
7. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, FIXTURES, EQUIPMENT, SUPPORTS, ETC., SHALL BE CAREFULLY PLANNED PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER OR WITH STRUCTURAL, ELECTRICAL, PLUMBING AND MECHANICAL, ARCHITECTURAL OR ANY OTHER ELEMENTS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
8. ANY INSPECTION TO BE MADE BY THE AUTHORITY HAVING JURISDICTION SHALL REQUIRE A MINIMUM OF 24 HOUR NOTICE.
9. PURITY TESTS ARE REQUIRED ON ALL WATER SYSTEM INSTALLATIONS. CONTRACTOR TO COORDINATE WITH THE AUTHORITY HAVING JURISDICTION.
10. IF THE TOP OF THE STEM OF ANY WATER GATE VALVE IS DEEPER THAN 4' BELOW FINISHED PAVEMENT GRADE, THE CONTRACTOR SHALL INSTALL A STEM EXTENSION SO THAT THE TOP OF THE STEM, WITH EXTENSION, SHALL BE NO DEEPER THAN 4' NOR SHALLOWER THAN 2' FROM FINISHED GRADE.
11. BACKFILL UTILITY TRENCHES PER DETAIL [X/101]
12. ADJUST EXISTING UTILITY LIDS TO FINISHED GRADE PER UTILITY COMPANY STANDARDS AND DETAIL [X/101] AND INSTALL TRAFFIC RATED LIDS WHERE LOCATED IN A TRAFFIC AREA.

SCALE: 1"=20'
0 5 20 40
SCALE IN FEET

Know what's below. Call before you dig.

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

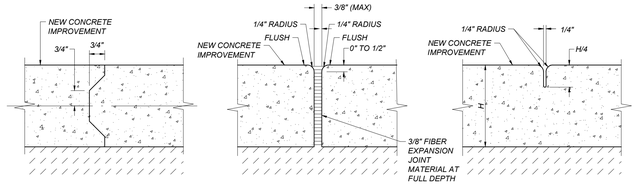
DRAWING TITLE
UTILITY PLAN

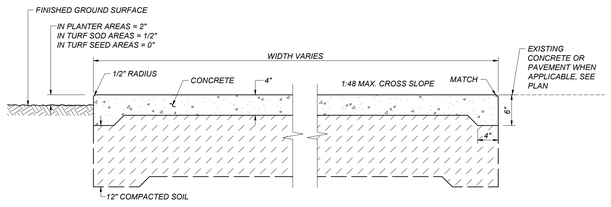
PROJECT NO.
22-12499

DRAWING
C601

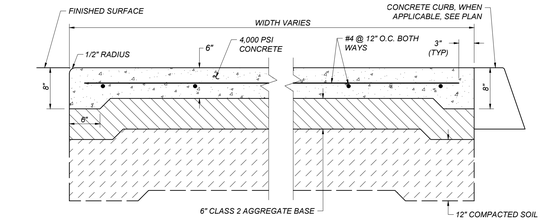
Blair, Church & Flynn
CONSULTING ENGINEERS
455 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

Drawing: P:\223\223-0281\Site\ProductionDrawings\223281_ut01.dwg Layout: C601 Plotted By: Dolan - Aug 14, 2026 - 10:04am
PLOT DATE: 8/14/2026 10:04:19 AM

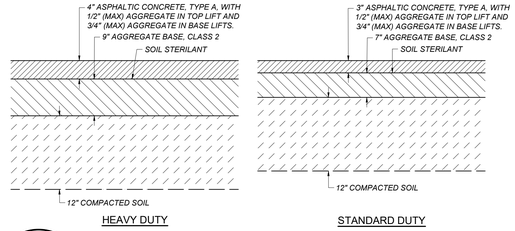




A X101 CONCRETE WALK
NOT TO SCALE



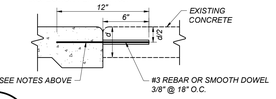
B X101 HEAVY DUTY CONCRETE PAVEMENT STRUCTURAL SECTION
NOT TO SCALE



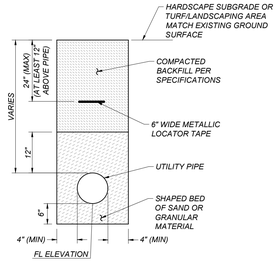
C X101 ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTIONS
NOT TO SCALE

NOTES:

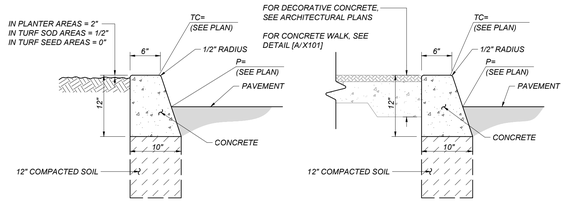
1. *DRILL HOLE 1/8" LARGER THAN DOWEL DIAMETER.*
2. *CLEAN HOLE THOROUGHLY OF DUST AND FRAGMENTS WITH WATER, WIRE BRUSH, AND AIR.*
3. *FILL HOLE WITH APPROVED ADHESIVE BEFORE INSERTING DOWEL INTO EXISTING CONCRETE.*
4. *WHERE SMOOTH DOWEL IS USED, APPLY BOND BREAKER TO SIDE IN NEW CONCRETE AS REQUIRED TO ALLOW HORIZONTAL MOVEMENT OF CONCRETE.*
5. *WHERE DEFORMED REBAR DOWEL IS USED, PROVIDE APPROVED WRAP ON SIDE IN NEW CONCRETE AS REQUIRED TO ALLOW HORIZONTAL MOVEMENT OF CONCRETE.*
6. *EPOXY DOWEL IS EXEMPT FROM TESTING AND INSPECTION PER DSA 103.*



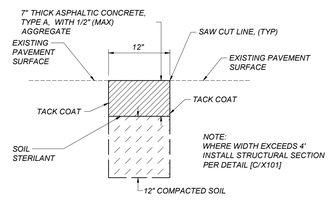
D X101 DOWEL BAR
NOT TO SCALE



I X101 UTILITY TRENCH
NOT TO SCALE



E X101 CONCRETE CURB
NOT TO SCALE



F X101 ASPHALT CONCRETE PLUG
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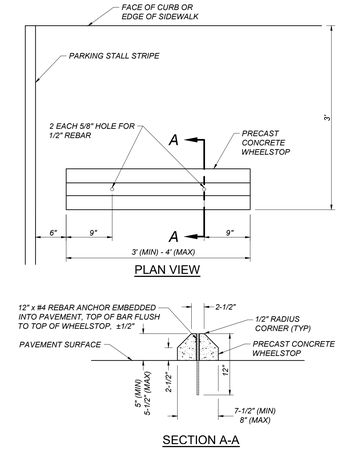

G X101 WHEELSTOP
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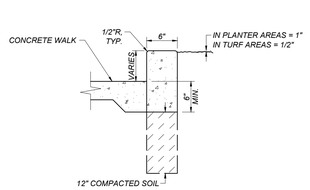
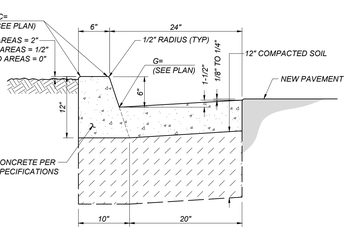
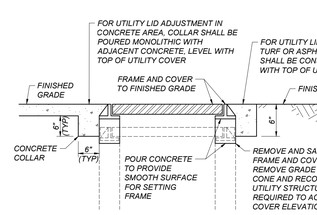


M X101 VERTICAL CURB
NOT TO SCALE



N X101 CONCRETE CURB AND GUTTER
NOT TO SCALE



J X101 ADJUST UTILITY LID
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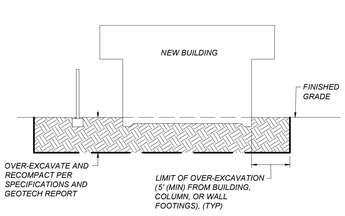
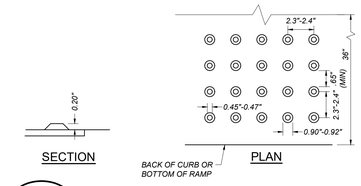


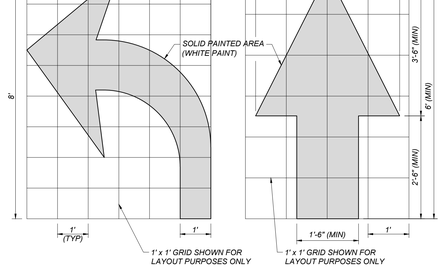
K X101 OVER-EXCAVATION
NOT TO SCALE



L X101 DETECTABLE WARNINGS
NOT TO SCALE

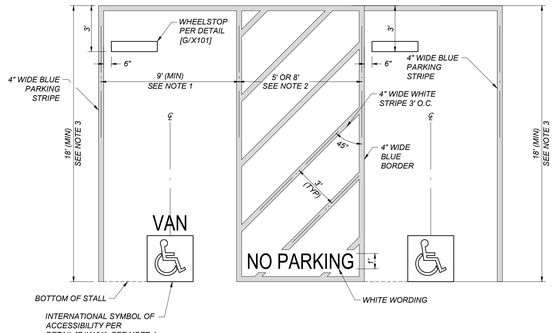
NOTES:

1. *THE DETECTABLE WARNING SURFACE SHALL BE YELLOW AND APPROXIMATE FS 33538 OF SAE AMSSTD-595A.*
2. *WHERE DETECTABLE WARNING SURFACE DOES NOT PROVIDE A 70% CONTRAST WITH ADJACENT WALKING SURFACES, A 1-INCH WIDE MINIMUM VISUALLY CONTRASTING SURFACE SHALL SEPARATE THE DETECTABLE WARNING FROM THE ADJACENT SURFACE.*
3. *THE DOMES SHALL BE MANUFACTURED BY ARMOR TILE INC. OR APPROVED EQUAL.*
4. *ONLY APPROVED DSA/AC DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE INSTALLED AS PROVIDED IN THE CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 1, CHAPTER 5, ARTICLES 2, 3 AND 4.*



NOTE:
CALTRANS TYPE IV(L) SHOWN.
USE MIRROR IMAGE FOR RIGHT TURN.

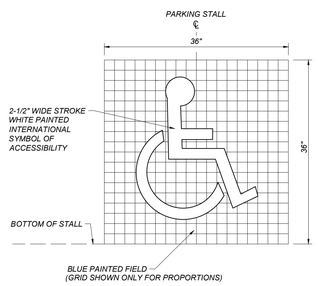
O X101 DIRECTIONAL ARROWS
NOT TO SCALE



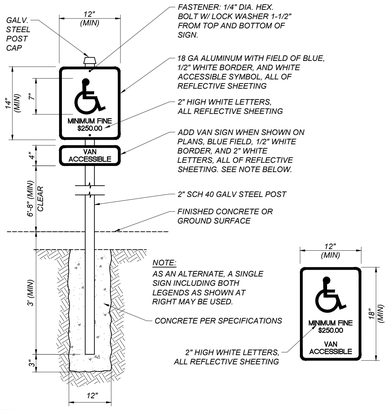
NOTES:

1. *ACCESSIBLE STALLS SHALL BE A MINIMUM OF 9' WIDE AND MEASURED FROM THE CENTERLINE OF PARKING STALLS AND ACCESS AISLES. SEE SITE PLAN FOR ACTUAL DIMENSIONS.*
2. *ACCESS AISLES SHALL BE A MINIMUM OF 5', OR 8' WHEN ADJACENT TO A VAN ACCESSIBLE STALL. SEE SITE PLAN FOR LOCATION AND ACTUAL DIMENSIONS.*
3. *ACCESSIBLE STALLS SHALL BE A MINIMUM OF 18' LONG. SEE SITE PLAN FOR ACTUAL DIMENSIONS.*
4. *CENTERLINE OF INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6" FROM THE CENTERLINE OF THE STALL, AND THE BOTTOM SHALL BE ALIGNED WITH THE BOTTOM OF THE STALL.*
5. *SLOPES AT ACCESSIBLE STALLS AND ACCESS AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION.*

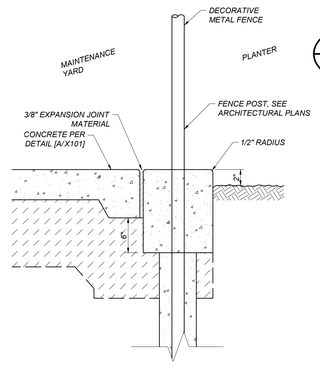
P X101 ACCESSIBLE PARKING STALL
NOT TO SCALE



Q X101 ACCESSIBLE SYMBOL
NOT TO SCALE



R X101 ACCESSIBLE PARKING STALL SIGN
NOT TO SCALE



S X101 GRADE DIFFERENTIAL AT STAFF PARKING LOT
NOT TO SCALE

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER LANE R. BAILEY No. 41003 CIVIL STATE OF CALIFORNIA
04.17.2026
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
DETAILS

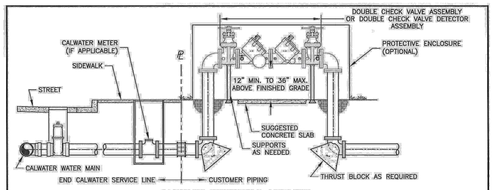
PROJECT NO.
22-12499

DRAWING
X101

Blair, Church & Flynn
CONSULTING ENGINEERS
400 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1200

Drawing: P:\223\223-0281\Site\ProductionDrawings\223281_dt01.3.dwg
Plot by: bader Aug 14, 2026 - 10:01am

PLOT DATE: 8/14/2026 10:01:42 AM



BACKFLOW PREVENTION ASSEMBLY STANDARD INSTALLATION INSTRUCTIONS

1. A backflow prevention assembly is considered customer plumbing. Cal Water assumes no liability and makes no warranty regarding performance of any backflow prevention assembly.

2. Backflow prevention assembly shall be only those approved for use by the State Water Resources Control Board. Backflow prevention assembly and all piping used for potable water service must be lead free (≤0.25% lead). Dedicated irrigation and fire suppression services may continue to use approved low lead components.

3. Any deviation from the installation specifications described herein must receive Cal Water approval prior to installation.

4. Backflow prevention assembly shall be installed on the consumer's property, immediately after the meter, in the orientation in which it was evaluated and approved. If backflow prevention assembly is not placed immediately after the meter, then proposed location needs to be approved by Cal Water. In addition, 4" concrete cap and/or sleeve shall be placed around the pipe connecting the meter and the assembly. Vertical clearance to finished grade and obstructions shall be between 12 and 36 inches. A minimum 18" horizontal clearance must be provided for testing and maintenance. Installation shall comply with all local ordinances regarding permits and property line setback requirements.

5. No outlets, tees, taps, by-pass, swing joints, or other connections, temporary or permanent, shall be installed between the water meter and the backflow prevention assembly. Pressure reducing valves and unions (not part of the backflow prevention assembly) may be installed upstream of the backflow prevention assembly; however, in no case shall there be a union located both upstream and downstream of the assembly.

6. Alternate installation locations or arrangements shall be reviewed and approved by Cal Water prior to installation.

7. Any plumbing modification to any part of the backflow prevention assembly will render the assembly "unapproved". Unapproved assemblies will result in disruption of water service and will require replacement with an approved assembly at customer's expense.

8. Installation of a backflow prevention assembly creates a closed water system. Cal Water recommends installation of thermal expansion protection as required by the California Plumbing Code.

9. Where necessary the backflow prevention assembly should be protected from vehicle damage.

10. In freeze prone areas, a protective enclosure is recommended. Enclosure must have adequate drainage in accordance with Cal Water requirements.

11. Water services which cannot be turned off for short durations should have backflow prevention assemblies installed in parallel.

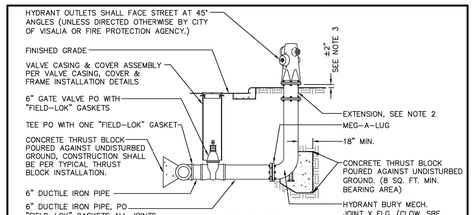
12. Under no circumstances are the backflow prevention assembly's test ports be used for anything other than testing (i.e. no garden hose connections, tubing, irrigation timers, etc.)

13. It is the customer's responsibility to ensure that the backflow prevention assembly is kept in good working order at all times, to have the assembly tested annually and after repairs, according to Cal Water requirements. Failure to perform required testing or keep the backflow prevention assembly in good working order will result in disruption of water service.

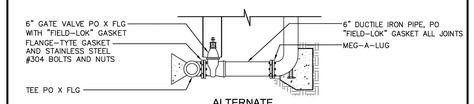
14. Contact your local Cal Water office to schedule a final inspection PRIOR to backfilling any exposed piping. Re-excavation may be required if trenches are backfilled prior to inspection by Cal Water.

ENGINEERING / DEPARTMENT	TITLE: DOUBLE CHECK VALVE ASSEMBLY DOUBLE CHECK VALVE DETECTOR ASSY TYPICAL ABOVE GRADE INSTALLATION		DISTRICT: All
	DRAWN BY: L. Peralta	DESIGNED BY:	DATE: 2/10/16
	CHECKED BY: J. Graham	DATE: APPROVED BY: DATE: 2/10/16	PROJECT ID.:
	SCALE: N.T.S.	REVISION: R3. Revised to meet drafting standards, minor corrections, modified note 2; Split & modified note 4. LF/WR 2/10/2016	DRAWING NO.: CW762 R3

A X102 DOUBLE DETECTOR CHECK ASSEMBLY
NOT TO SCALE



STANDARD INSTALLATION



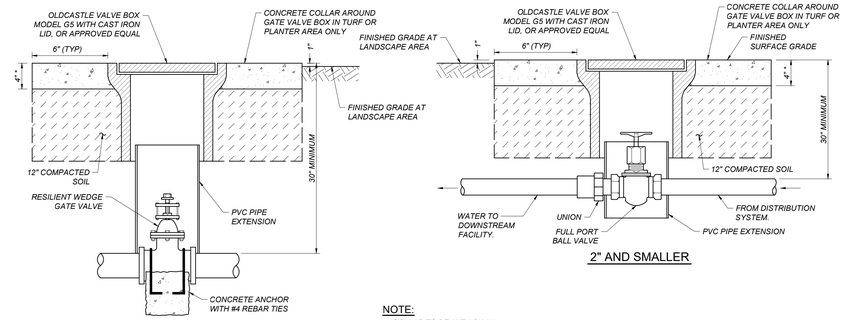
ALTERNATE INSTALLATION

NOTES:

1. ALL FIRE HYDRANT MATERIALS SHALL COMPLY WITH MATERIAL SPECIFICATIONS.
2. A HYDRANT EXTENSION MAY BE REQUIRED TO ADJUST FOR FINISHED GRADE.
3. FOR WET BARREL HYDRANTS THIS DIMENSION IS FROM FINISHED GRADE TO BURY'S FLANGE OR EXTENSION'S FLANGE WHEN AN EXTENSION IS REQUIRED.
4. PUSH-ON, FLANGED FITTING JOINTS, AND/OR THREADED-FLANGED RISERS MAY BE REQUIRED. VERIFY WITH A CITY OF VISALIA REPRESENTATIVE ALL FIRE HYDRANT MATERIAL PRIOR TO THE INSTALLATION.
5. FIRE HYDRANT BARRICADES SHALL BE REQUIRED WHEN A VERTICAL OR ROLLED CURB DOES NOT EXIST, OR WHEN THE FIRE HYDRANT NEEDS TO BE PROTECTED FROM MOVING VEHICLES.
6. ALL MACHINE BOLTS AND NUTS SHALL BE #304 STAINLESS STEEL, EXCEPT FOR BREAKOFF BOLTS.
7. A 90° ELBOW WITH "FIELD-LOK" GASKETS MAY BE REQUIRED FOR THE FIRE HYDRANT INSTALLATION WHEN SPACE IS LIMITED AND THE HYDRANT LEAD MUST RUN PARALLEL TO THE MAIN OR THE LOCATION OF THE FIRE HYDRANT REQUIRES THE BEND.

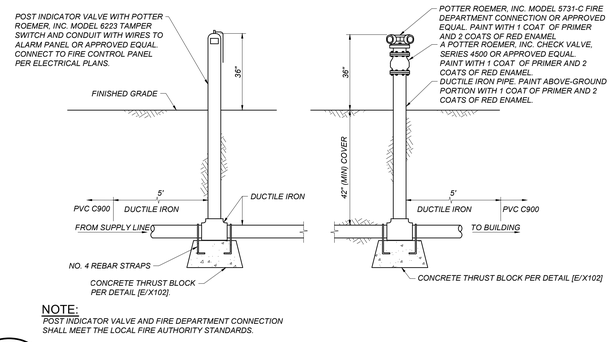
APPROVED BY: PUBLIC WORKS DIRECTOR R.C.E. 50022 09/16/16 DATE	CITY OF VISALIA DESIGN & IMPROVEMENT STANDARDS	
TYPICAL FIRE HYDRANT INSTALLATION	REVISIONS 11/26/07	W-1

B X102 FIRE HYDRANT ASSEMBLY
NOT TO SCALE



NOTE:
* COLLAR TO BE 6" THICK IN VEHICULAR TRAFFIC AREAS

C X102 GATE VALVE AND LID
NOT TO SCALE



NOTE:
POST INDICATOR VALVE AND FIRE DEPARTMENT CONNECTION SHALL MEET THE LOCAL FIRE AUTHORITY STANDARDS.

D X102 POST INDICATOR VALVE AND FIRE DEPARTMENT CONNECTION
NOT TO SCALE

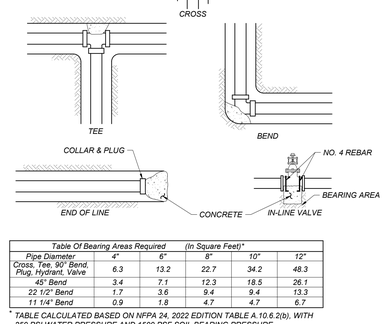
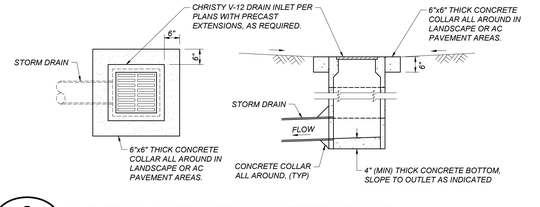


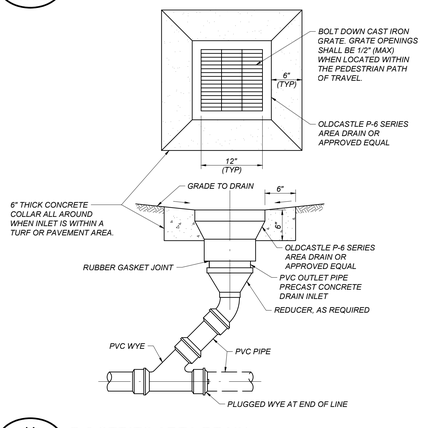
Table Of Bearing Areas Required (In Square Feet)*					
Pipe Diameter	4"	6"	8"	10"	12"
Cross, Tee, 90° Bend, Plug, Hydrant, Valve	6.3	13.2	22.7	34.2	48.3
45° Bend	3.4	7.1	12.3	18.5	26.1
22 1/2° Bend	1.7	3.6	9.4	9.4	13.3
11 1/4° Bend	0.9	1.8	4.7	4.7	6.7

* TABLE CALCULATED BASED ON NFPA 24, 2022 EDITION TABLE A.10.6.2(b), WITH 250 PSI WATER PRESSURE AND 1500 PSF SOIL BEARING PRESSURE.

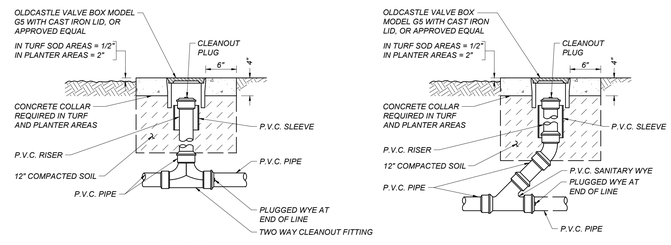
E X102 CONCRETE THRUST BLOCKS
NOT TO SCALE



G X102 V-12 DRAIN INLET WITH CONCRETE COLLAR
NOT TO SCALE



H X102 P-6 SERIES AREA DRAIN
NOT TO SCALE



NOTES:
1. USE ONE-WAY CLEANOUTS AT ALL ANGLE POINTS
2. TWO-WAY CLEANOUTS AT ALL OTHER LOCATIONS
3. 6" THICK CONCRETE COLLAR IN VEHICULAR TRAFFIC AREAS

F X102 SURFACE CLEANOUT
NOT TO SCALE

Teter, INC. expressly reserves its common law copyright and other property rights in these plans, specifications, the ideas and designs incorporated herein, as an instrument of professional service. No part hereof shall be used as a whole or in part, for any other project without prior written authorization.

MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER CLAYE R. BAILEY No. 47103 CIVIL STATE OF CALIFORNIA
04.17.2026 Date Signed:

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA, CA 93277

DRAWING TITLE
DETAILS

PROJECT NO.
22-12499

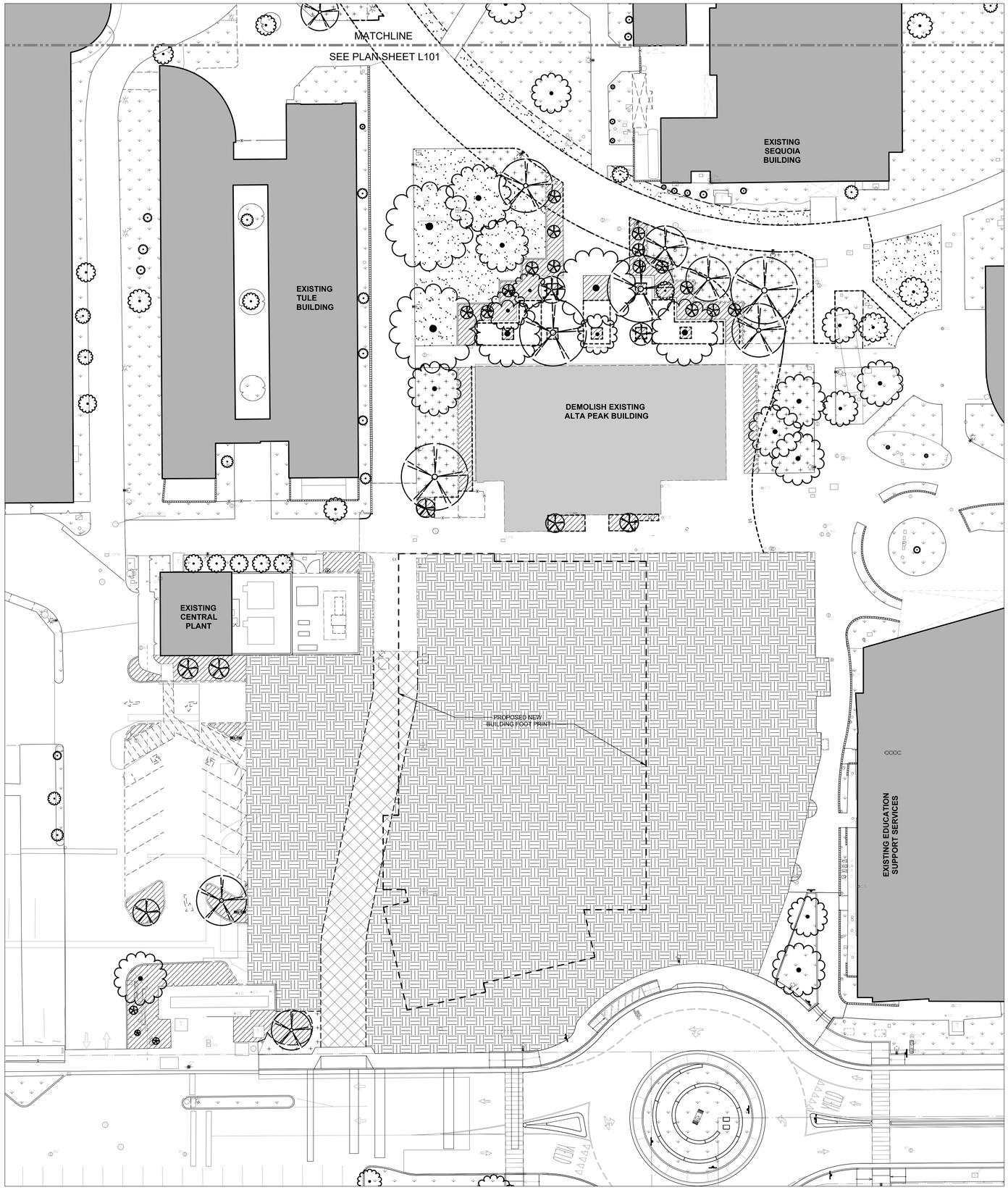
DRAWING
X102

Blair, Church & Flynn
CONSULTING ENGINEERS
400 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

Drawing: P:\223\223-0281\Site\ProductionDrawings\223281_dtl02.3.dwg
Plot By: loader Aug 14, 2026 - 10:01am

PLOT DATE: 8/14/2026 10:01:38 AM

\\tet-file1\Users\Gerardo.Juarez_TETR\Documents\12499-A-COS Student Union_gerardo.juarez726JR.rvt



LANDSCAPE DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	Existing Tree to be Removed. Contractor is to remove the designated trees to include all vegetation, branches, trunk, stump and roots to a minimum depth of 36" below grade. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the contractors expense to an approved disposal site. Contractor to field verify. Existing Coast Redwood Trees to be Removed with stump and root mass. Contractor is to remove the designated trees to include all vegetation, branches, trunk, stump and roots and root mat to a minimum depth of 36" below grade. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris, shavings and sawdust off site at the contractors expense to and approved disposal site. Contractor to field verify.
	Existing Tree to Remain & Protect. Limit compaction and disturbance within the tree drip line. Provide temporary water as required to maintain a healthy growth state throughout the duration of the project. Temporary water is to be automated. Contractor is to hand dig trenches where roots 1" in diameter and greater are encountered. Contractor to field verify.
	Existing Turf & Landscape Areas to Remain and Protect. Existing turf, plant material or trees that are damaged due to construction activities, vehicle damage, stress due to lack of water or other deterioration of the existing areas to remain are to be restored by the Contractor to the existing condition prior to the project at no additional cost to the District. This includes damage that may occur at any area of the campus. In disturbed areas, the Contractor is to fill and grade low and depressed areas with clean sandy topsoil and hydroseed existing turf areas to match the adjacent existing turf. In shrub areas, after grading as described above, the Contractor is to repair any damage and replace any stressed or damaged plant material to match the existing. The Contractor is responsible for hydroseeding over trenches and all disturbed turf areas due to any construction activities. Contractor is to maintain hydroseeded and repaired landscape areas until fully established and weed free, a minimum of 120 days or until accepted by the District.
	Existing Turf Demolition: Contractor is to remove existing turf areas after existing turf has been eradicated with approved chemical herbicide (3 applications min.) required. Contractor to irrigate existing turf to keep in healthy growth state. Herbicide applications are to be a minimum of 1 week apart and applies May 1st thru September 30th. Contractor is to remove all vegetation and root mat in designated areas. Remove existing header boards or mow strips as required, if not shown to remain and protect on the Landscape Planting Plan. Regrade Landscape areas 1" (Turf Areas) below adjacent concrete sidewalks and contour grades to insure positive drainage in areas. Contractor is to remove all vegetation, green waste and debris off site at no additional cost to the District. All landscape areas are to have a positive slope and the site is to be free draining with no standing water. See Site Grading Plan. Contractor is to field verify the extent of Landscape Demolition prior to bid.
	Existing Landscape Planter Demolition: Contractor is to remove all existing plants, tree stumps, vegetation and other shrubs to include all vegetation, branches, trunk, stump and roots to a minimum depth of 36" below grade. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the Contractors expense to an approved disposal site. Contractor to field verify.
	Existing Turf to be Renovated. See Renovated Turf (Bermudagrass) legend item on the Landscape Planting Legend on Plan Sheet L200 . Fine grade to preplant condition for a smooth turf area and repair ruts, tire marks and compaction due to construction activities by grading, tilling, discing, aeration or other approved approved means. Contractor to field verify site conditions prior to bidding.
	Temporary Fire Lane to be removed, See Civil Demolition Plans for additional information.
	Fallow Soil Area for Development of Student Union Project. Demolition work has been completed previously and the designated area has been graded smooth. Contractor is to field verify existing conditions prior to bid.
	Existing concrete mowstrip to be removed. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the contractors expense to an approved disposal site. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.
	Existing concrete mowstrip to Remain & Protect. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.

NORTH

1" = 20'-0"

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9486
Fax: (559) 276-9497

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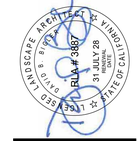
MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK



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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

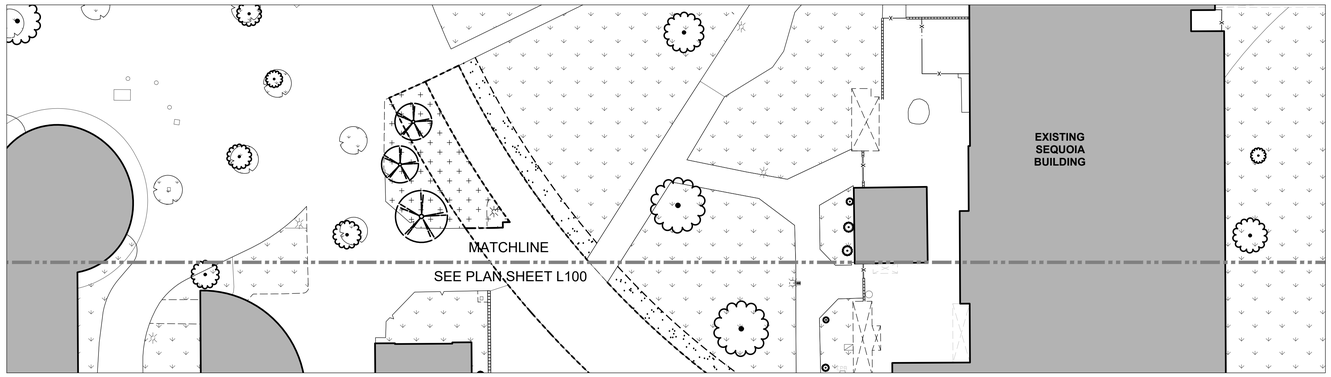
DRAWING TITLE
LANDSCAPE DEMOLITION PLAN

PROJECT NO.
22-12499

DRAWING
L100

PLOT DATE: 3/14/2025 6:33:26 PM

LANDSCAPE DEMOLITION PLAN



LANDSCAPE DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	Existing Tree to be Removed. Contractor is to remove the designated trees to include all vegetation, branches, trunk, stump and roots to a minimum depth of 36" below grade. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the contractors expense to an approved disposal site. Contractor to field verify. Existing Coast Redwood Trees to be Removed with stump and root mass. Contractor is to remove the designated trees to include all vegetation, branches, trunk, stump and roots and root mat to a minimum depth of 36" below grade. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris, shavings and sawdust off site at the contractors expense to and approved disposal site. Contractor to field verify.
	Existing Tree to Remain & Protect. Limit compaction and disturbance within the tree drip line. Provide temporary water as required to maintain a healthy growth state throughout the duration of the project. Temporary water is to be automated. Contractor is to hand dig trenches where roots 1" in diameter and greater are encountered. Contractor to field verify.
	Existing Turf & Landscape Areas to Remain and Protect. Existing turf, plant material or trees that are damaged due to construction activities, vehicle damage, stress due to lack of water or other deterioration of the existing areas to remain are to be restored by the Contractor to the existing condition prior to the project at no additional cost to the District. This includes damage that may occur at any area of the campus. In disturbed areas, the Contractor is to fill and grade low and depressed areas with clean sandy topsoil and hydroseed existing turf areas to match the adjacent existing turf. In shrub areas, after grading as described above, the Contractor is to repair any damage and replace any stressed or damaged plant material to match the existing. The Contractor is responsible for hydroseeding over trenches and all disturbed turf areas due to any construction activities. Contractor is to maintain hydroseeded and repaired landscape areas until fully established and weed free, a minimum of 120 days or until accepted by the District.
	Existing Turf Demolition: Contractor is to remove existing turf areas after existing turf has been eradicated with approved chemical herbicide (3 applications min.) required. Contractor to irrigate existing turf to keep in healthy growth state. Herbicide applications are to be a minimum of 1 week apart and applies May 1st thru September 30th. Contractor is to remove all vegetation and root mat in designated areas. Remove existing header boards or mow strips as required, if not shown to remain and protect on the Landscape Planting Plan. Regrade Landscape areas 1" (Turf Areas) below adjacent concrete sidewalks and contour grades to insure positive drainage in areas. Contractor is to remove all vegetation, green waste and debris off site at no additional cost to the District. All landscape areas are to have a positive slope and the site is to be free draining with no standing water. See Site Grading Plan. Contractor is to field verify the extent of Landscape Demolition prior to bid.
	Existing Landscape Planter Demolition: Contractor is to remove all existing plants, tree stumps, vegetation and other shrubs to include all vegetation, branches, trunk, stump and roots to a minimum depth of 36" below grade. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the Contractors expense to an approved disposal site. Contractor to field verify.
	Existing Turf to be Renovated. See Renovated Turf (Bermudagrass) legend item on the Landscape Planting Legend on Plan Sheet L200 . Fine grade to preplant condition for a smooth turf area and repair ruts, tire marks and compaction due to construction activities by grading, tilling, discing, aeration or other approved approved means. Contractor to field verify site conditions prior to bidding.
	Temporary Fire Lane to be removed, See Civil Demolition Plans for additional information.
	Fallow Soil Area for Development of Student Union Project. Demolition work has been completed previously and the designated area has been graded smooth. Contractor is to field verify existing conditions prior to bid.
	Existing concrete mowstrip to be removed. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the contractors expense to an approved disposal site. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.
	Existing concrete mowstrip to Remain & Protect. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.

NORTH

1" = 20'-0"

LANDSCAPE DEMOLITION PLAN

2

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9495
Fax: (559) 276-9497

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACK/CHECK

LANDSCAPE ARCHITECT — DAVID S. BIGLER — RLA # 3887 — 31 JULY 26 — RENEWAL DATE — STATE OF CALIFORNIA

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
LANDSCAPE DEMOLITION PLAN

PROJECT NO.
22-12499

DRAWING
L101

PLOT DATE: 3/14/2025 6:33:28 PM

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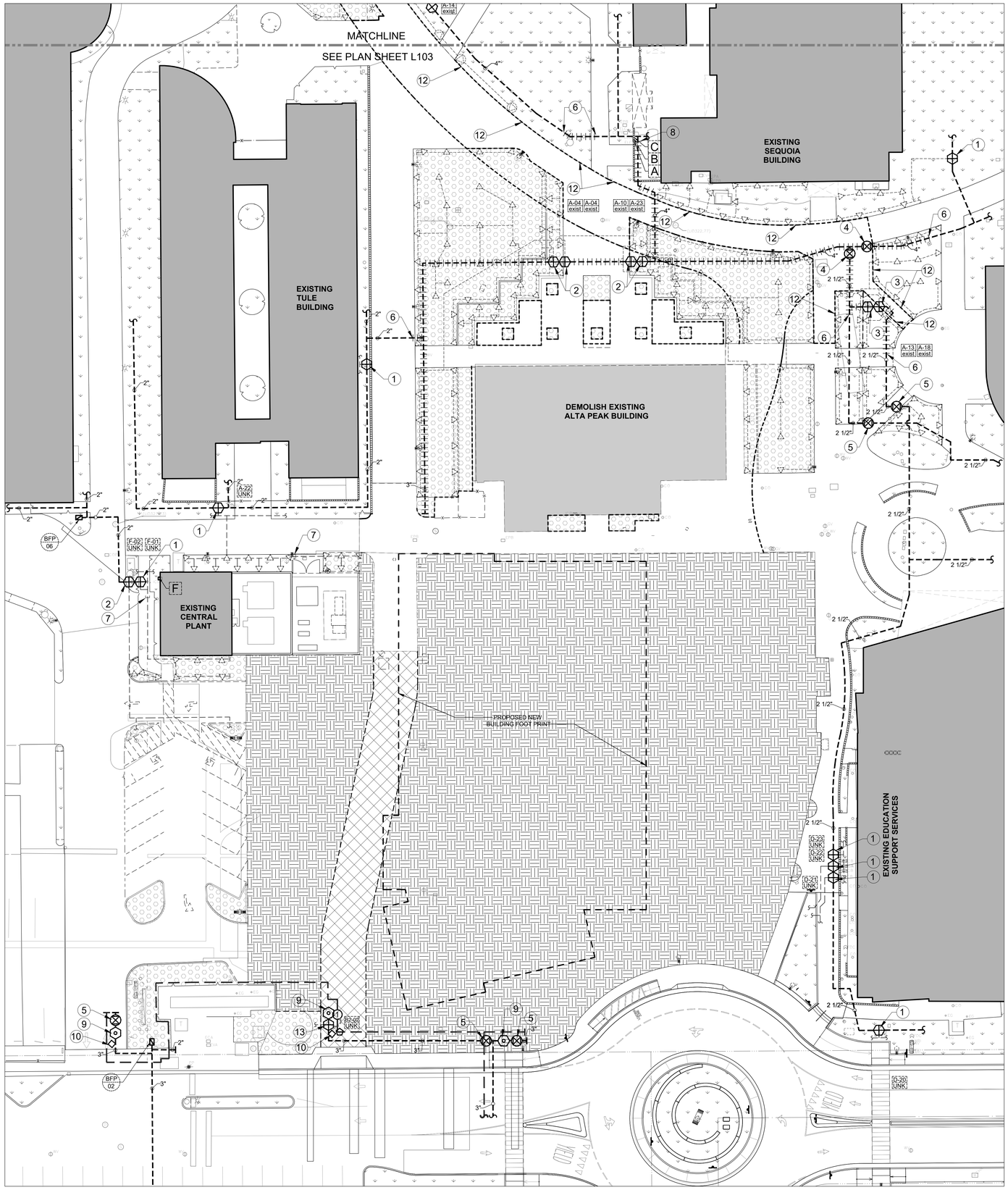

SEE IRRIGATION DEMOLITION KEYNOTES ON PLAN SHEET L103

LANDSCAPE IRRIGATION DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	Existing Sprinklers to Remain & Protect, unless otherwise noted. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Lateral Pipe to remain and protect, except where located in Irrigation Demolition Areas. Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Designated existing lateral pipes are to remain & protect. Contractor is to modify existing lateral pipes as required for the project. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Landscape Irrigation Plan for additional information where new irrigation lateral pipes will connect with existing irrigation lateral pipes and existing remote control valves. Existing lateral pipes located in Irrigation Demolition Areas are to be removed where it is below a proposed building or it interferes with construction activities, otherwise it may be abandoned below grade. If existing lateral pipe is brought to the surface in demolition areas it is to be removed to a minimum depth of twelve inches below grade and capped. See Keynotes and Landscape Irrigation Plans, L300 thru L301 for additional information. Contractor to field verify.
	Existing Irrigation Mainline (Remain & Protect): Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Sections of the existing mainline pipe are to remain and protect and other sections are being taken out of service. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Plan L300 & L301 for additional information where new irrigation mainline will replace existing irrigation mainline pipe. Contractor to field verify.
	Existing Irrigation Mainline (Removed/Replaced): Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Sections of the existing mainline pipe are being taken out of service. Mainline piping being taken out of service is to be removed and disposed of to an approved disposal site as part of the bid. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Plan L300 & L301 for additional information where new irrigation mainline will replace existing irrigation mainline pipe. Contractor to field verify.
	Existing Irrigation Communication Cable: Rainmaster 2-WIRE Communication Cable installed in 1 1/2" PVC Schedule 40 Electrical conduit with sweep ells into all valve boxes to remain and protect, unless designated to be modified. Modify as required for the project. See Irrigation Plan L300 thru L301 for additional information.
	Existing 2-Wire Decoder to Remote Control Valve Wiring: Standard 14 AWG Irrigation Low Voltage Control wiring in 1" PVC electrical conduit with sweep ells into all valve boxes to remain and protect. See Irrigation Plan L300 thru L301 for additional information.
①	Existing Rainmaster 2-Wire Decoders: 1 Station Decoder to remain and protect. See Irrigation Plan L300 thru L301 for additional information.
	Existing Rainmaster #TW-LA-1 Line Surge Protector to remain and protect. See Irrigation Plan L300 thru L301 for additional information.
	Existing Remote Control Valve to Remain & Protect, unless otherwise noted. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Air Relief Valve to Remain & Protect. See Keynotes and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Gate Valve to Remain & Protect, unless otherwise noted. See Keynotes and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Quick Coupler Valve to Remain & Protect, unless otherwise noted. See Keynotes and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
F-02 UNK	Existing Controller # / Station # Gallons per minute (UNK = GPM for existing valves is Unknown)
BFP 02	Existing 2" Backflow Prevention Device to Remain & Protect. Contractor to field verify.
BFP 06	Existing 2" Backflow Prevention Device to Remain & Protect. Contractor to field verify.
A	Existing Irrigation Controller 'A' to be Removed & Replaced. Existing Controller 'A' is an Irritrol wall mount with all 24 stations in use. Contractor is to keep the existing irrigation controller in service until new improvements have been installed and are ready to be put in service. When new improvements have been installed and are operational, Contractor is to remove the existing Irrigation Controller 'A' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'A1' configuration. Contractor is to install the new irrigation controller 'A1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. See existing Irrigation Controller 'A' photos below. Contractor to field verify. See Landscape Irrigation Plan for replacement irrigation controller 'A1' information on Plan Sheets L300 thru L301 for additional information.
B	Existing Irrigation Controller 'B' to be Removed & Replaced. Existing Controller 'B' is a Hunter wall mount with all 16 stations in use. Contractor is to keep the existing irrigation controller in service until new improvements have been installed and are ready to be put in service. When new improvements have been installed and are operational, Contractor is to remove the existing Irrigation Controller 'B' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'B1' configuration. Contractor is to install the new irrigation controller 'B1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. See existing Irrigation Controller 'B' photos below. Contractor to field verify. Existing irrigation controllers 'B' and 'C' are to be combined in new replacement irrigation controller 'B1'. See Landscape Irrigation Plan for replacement irrigation controller 'B1' information on Plan Sheets L300 thru L301 for additional information.
C	Existing Irrigation Controller 'C' to be Removed & Replaced. Existing Controller 'C' is an Irritrol wall mount with 5 of 12 stations in use. Contractor is to keep the existing irrigation controller in service until new improvements have been installed and are ready to be put in service. When new improvements have been installed and are operational, Contractor is to remove the existing Irrigation Controller 'C' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'B1' configuration. Contractor is to install the new irrigation controller 'B1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. See existing Irrigation Controller 'C' photos below. Contractor to field verify. Existing irrigation controllers 'B' and 'C' are to be combined in new replacement irrigation controller 'B1'. See Landscape Irrigation Plan for replacement irrigation controller 'B1' information on Plan Sheets L300 thru L301 for additional information.
NOT SHOWN	Existing Irrigation Controller 'D' to Remain & Protect located north of the Educational Support Building. Existing Controller 'D' is an Rainmaster Eagle Plus 40 station controller, pedestal mount with 31 stations in use. Contractor to field verify.
F	Existing Irrigation Controller 'F' to Remain and Protect. Existing Controller 'F' is a Hunter Pro C 12 station wall mount with 11 stations in use. Contractor to field verify.
	Existing Irrigation Improvements to Remain and Protect. All areas adjacent to the project area have existing Irrigation Improvements to Remain & Protect. Contractor is to repair all damage to existing improvements that are intended to remain & protect to match existing improvements. Damage may be a direct or indirect result of their work or may be caused by neglect. Contractor to field verify.
	Existing Campus Irrigation Areas to be Removed. The Contractor is to remove existing sprinklers, valves, lateral piping and other irrigation improvements visible at the surface in designated and deliver salvaged parts, including, but not limited to sprinklers, valves, valve boxes etc., to the District Maintenance Department. Depressions and holes that are created from removing existing irrigation improvements being replaced are to be filled with clean topsoil level with surrounding grade and compacted. Contractor to field verify.
	Temporary Fire Lane to be removed, See Civil Demolition Plans for additional information.
	Fallow Soil Area for Development of Student Union Project. Demolition work has been completed previously and the designated area has been graded smooth. Contractor is to field verify existing conditions prior to bid.
	Existing concrete mowstrip to be removed. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the contractors expense to an approved disposal site. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.
	Existing concrete mowstrip to Remain & Protect. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.

NORTH

1" = 20'-0"

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler@aol.com
Tel: (559) 276-9495
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LANDSCAPE ARCHITECT — DAVID S. BIGLER — RLA # 3887 — 31 JULY 26 — STATE OF CALIFORNIA

STUDENT UNION BUILDING
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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
LANDSCAPE IRRIGATION DEMOLITION PLAN

PROJECT NO.
22-12499

DRAWING
L102

PLOT DATE: 3/14/2025 6:33:26 PM

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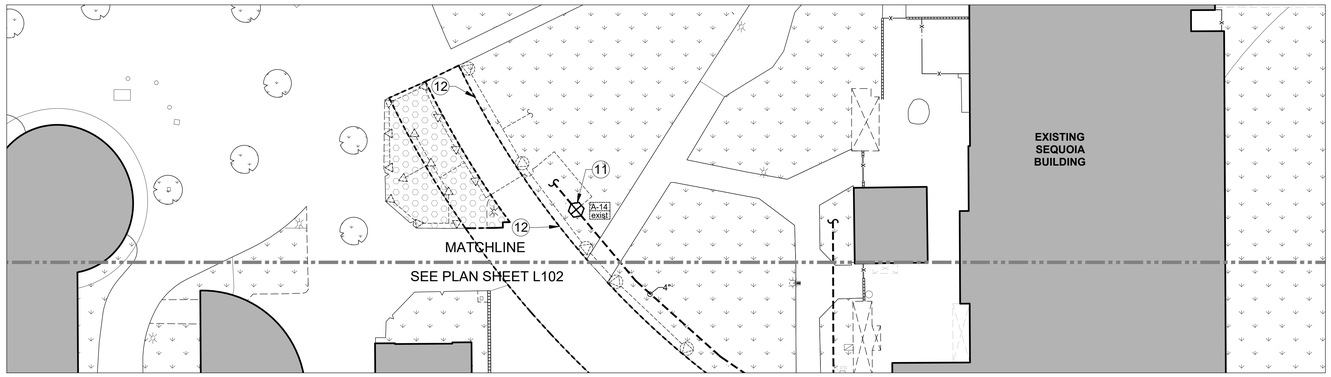

EXISTING LOW VOLTAGE CONTROL WIRE TRACING NOTE:

PRIOR TO STARTING WORK, CONTRACTOR IS TO TRACE ALL EXISTING LOW VOLTAGE CONTROL WIRING FROM EXISTING IRRIGAITON CONTROLLERS 'A', 'B' AND 'C' TO LOCATE VALVES AND CONTROL WIRE ROUTING TO DETERMINE THE LOCATION NEAREST THE PROJECT AREA TO INTERCEPT EXISTING LOW VOLTAGE CONTROL WIRING TO EXTEND TO NEW REPLACEMENT IRRIGATION CONTROLLER 'A1' AND 'B1'. CONTRACTOR IS TO LOCATE ALL EXISTING VALVES OUTSIDE PROJECT AREA AND IS TO INTERCEPT AND EXTEND CONTROL WIRING TO NEW REPLACEMENT IRRIGATION CONTROLLER 'A1' AND 'B1'.

EXISTING TREE DRIP LINE TRENCHING NOTE:

CONTRACTOR IS TO HAND DIG TRENCHES IN AREAS WITHIN AN EXISTING TREE DRIP LINE THAT IS DESIGNATED TO REMAIN AND PROTECT. CONTRACTOR IS NOT TO CUT ROOTS OF ONE INCH (1") DIAMETER OR LARGER WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN AND PROTECT. CONTRACTOR IS TO LIMIT THE TRENCHING WITHIN THE DRIP LINE OF TREES DESIGNATED TO REMAIN AND PROTECT.

IRRIGATION CLEARANCES NOTE:

GENERALLY, CONTRACTOR IS TO INSTALL IRRIGATION MAINLINE IN PERIMETER AREAS WITHIN THREE FEET (3'-0") OF THE PERIMETER SIDEWALK, FENCE OR WALL, EXCEPT WHERE IT WOULD INTERFERE WITH OTHER IMPROVEMENTS. ALL VALVE BOXES ARE TO BE NEATLY ORGANIZED AND LOCATED AWAY FROM TREES (12 FT MIN. CLEARANCE FOR VALVES AND MAINLINE) AND ARE NOT TO INTERFERE WITH SHRUB LAYOUT. NO SHRUBS ARE TO BE DELETED DUE TO THE INSTALLATION LOCATION OF VALVE BOXES. CONTRACTOR IS TO FIELD STAKE PLANTS AND TREES PRIOR TO STAKING THE ROUTING OF IRRIGATION MAINLINE AND REMOTE CONTROL VALVE LOCATIONS TO AVOID CONFLICTS. CONTRACTOR IS TO PLAN TO PROVIDE MAXIMUM SEPARATION FROM IRRIGATION MAINLINE PIPE AND TREES AS REQUIRED.

EXISTING CONTROLLER PHOTO CONTROLLERS 'A', 'B' & 'C'

IRRIGATION DEMOLITION KEYNOTES

1. EXISTING REMOTE CONTROL VALVE TO REMAIN AND PROTECT AND MAINTAIN EXISTING CONTROLLER ASSIGNMENT. CONTRACTOR TO FIELD VERIFY.
2. EXISTING IRRIGATION CONTROL VALVE TO BE REMOVED. CONTRACTOR IS TO FIELD LOCATE VALVE, REMOVE VALVE AND MANIFOLD AND CAP MAINLINE PIPE. DELIVER USABLE PARTS AND VALVE BOX TO DISTRICT. DISPOSE OF ALL REMOVED MATERIALS NOT WANTED BY DISTRICT OFF SITE AT NO ADDITIONAL COST TO DISTRICT. CONTRACTOR IS TO REMOVE LOW VOLTAGE CONTROL WIRE FROM DESIGNATED CONTROLLER STATION BLOCK. CONTRACTOR TO FIELD VERIFY.
3. EXISTING REMOTE CONTROL VALVE TO BE REMOVED, RELOCATED AND REPLACED. INSTALL NEW REMOTE CONTROL VALVE ON THE NEW IRRIGATION MAINLINE PIPE AND CONNECT TO THE EXISTING LATERAL PIPE FOR THE EXISTING SPRINKLERS TO REMAIN AND PROTECT. CONTRACTOR IS TO INSTALL NEW 2-WIRE PATH CONTROL WIRING WITH DECODER FROM NEW 2-WIRE CONTROLLER 'H'. CONTRACTOR IS TO REMOVE EXISTING LOW VOLTAGE CONTROL WIRING FROM THE WIRE BLOCK OF EXISTING CONTROLLER 'A' FOR VALVES TRANSITIONED TO CONTROLLER 'H'. SEE IRRIGATION PLAN L300 AND L301 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY.
4. EXISTING MAINLINE GATE VALVE TO BE REMOVED. CONTRACTOR IS TO FIELD LOCATE GATE VALVE, REMOVE VALVE AND MANIFOLD AND CAP / REMOVE MAINLINE PIPE. DELIVER USABLE PARTS AND VALVE BOX TO DISTRICT. DISPOSE OF ALL REMOVED MATERIALS NOT WANTED BY DISTRICT OFF SITE AT NO ADDITIONAL COST TO DISTRICT. CONTRACTOR TO FIELD VERIFY.
5. EXISTING MAINLINE GATE VALVE TO REMAIN AND PROTECT. CONTRACTOR TO FIELD VERIFY.
6. IRRIGATION POINT OF CONNECTION: CONTRACTOR IS TO CONNECT NEW IRRIGATION MAINLINE PIPE TO EXISTING IRRIGATION MAINLINE PIPE TO REMAIN IN SERVICE AT THE LOCATIONS INDICATED. EXISTING MAINLINE PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE POINTS OF CONNECTION IN THE FIELD. SEE IRRIGATION PLAN L300 AND L301 FOR ADDITIONAL INFORMATION. CONTRACTOR IS TO IDENTIFY EXISTING LOW VOLTAGE CONTROL WIRING THAT TRAVERSES THROUGH THE PROJECT AND IS TO SPLICE AND EXTEND IT ADJACENT TO THE NEW IRRIGATION MAINLINE PIPE AS REQUIRED. CONTRACTOR IS TO INSTALL NEW LOW VOLTAGE CONTROL WIRING TO REMOTE CONTROL VALVES IN THE PROJECT AREA WHERE NEW REMOTE CONTROL VALVES ARE INSTALLED OR REPLACED TO THE DESIGNATED CONTROLLER. IN EXISTING AREAS LOW VOLTAGE CONTROL WIRING IS CONVENTIONAL FROM EXISTING IRRIGATION CONTROLLERS 'A', 'B' AND 'C'. CONTRACTOR IS TO TRACE ALL EXISTING LOW VOLTAGE CONTROL WIRING IN THE FIELD TO DETERMINE THE BEST LOCATION TO INTERCEPT AND REPLACE EXISTING CONTROL WIRES AS NOTED ABOVE. CONTRACTOR TO FIELD VERIFY.
7. EXISTING IRRIGATION LATERAL PIPE TO BE CAPPED: CONTRACTOR IS TO CAP EXISTING IRRIGATION LATERAL PIPE AT THE LOCATIONS INDICATED. EXISTING LATERAL PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE LOCATIONS IN THE FIELD. SEE IRRIGATION PLAN L300 AND L301 FOR ADDITIONAL INFORMATION.
8. EXISTING IRRIGATION MAINLINE PIPE TO BE CAPPED AT SOURCE MAINLINE. CONTRACTOR IS TO CAP EXISTING IRRIGATION MAINLINE PIPE AT THE LOCATIONS INDICATED. EXISTING MAINLINE PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE LOCATIONS IN THE FIELD. SEE IRRIGATION PLAN L300 AND L301 FOR ADDITIONAL INFORMATION.
9. EXISTING MAINLINE AIR RELIEF VALVE TO REMAIN AND PROTECT. CONTRACTOR TO FIELD VERIFY.
10. EXISTING QUICK COUPLER VALVE TO REMAIN AND PROTECT. CONTRACTOR TO FIELD VERIFY.
11. EXISTING REMOTE CONTROL VALVE TO BE REMOVED AND REPLACED. INSTALL NEW REMOTE CONTROL VALVE ON THE EXISTING IRRIGATION MAINLINE PIPE AND CONNECT TO THE NEW LATERAL PIPE FOR THE NEW SPRINKLERS. CONTRACTOR IS TO REUSE EXISTING LOW VOLTAGE CONTROL WIRING FROM EXISTING DESIGNATED CONTROLLER. SEE IRRIGATION PLAN L300 AND L301 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY.
12. CONTRACTOR IS TO REPAIR DAMAGE TO EXISTING LANDSCAPE AND IRRIGATION IMPROVEMENTS DUE TO THE DEMOLITION AND REPLACEMENT OF ADJACENT CONCRETE SIDEWALK AND FIRE LANE. WORK INCLUDES, BUT IS NOT LIMITED TO REPLACING DAMAGED TURF AND PLANTS, SPRINKLERS AND TOPDRESSING MULCH AND REPAIR OF DAMAGED MAINLINE AND LATERAL PIPING AND LOW VOLTAGE CONTROL WIRING. ALL REPAIR / REPLACEMENT WORK IS TO COMPLY WITH THESE PLANS AND SPECIFICATIONS AND MATCH EXISTING. CONTRACTOR TO FIELD VERIFY.
13. EXISTING REMOTE CONTROL VALVE TO BE REMOVED AND REPLACED. INSTALL NEW REMOTE CONTROL VALVE ON THE EXISTING IRRIGATION MAINLINE PIPE AND CONNECT TO THE NEW LATERAL PIPE FOR THE NEW SPRINKLERS. CONTRACTOR IS TO REUSE EXISTING 2-WIRE CONTROL WIRING AND DECODER FROM EXISTING DESIGNATED CONTROLLER 'B2'. SEE IRRIGATION PLAN PLAN L300 AND L301 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY.

LANDSCAPE IRRIGATION DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	Existing Sprinklers to Remain & Protect, unless otherwise noted. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Lateral Pipe to remain and protect, except where located in Irrigation Demolition Areas. Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Designated existing lateral pipes are to remain & protect. Contractor is to modify existing lateral pipes as required for the project. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Landscape Irrigation Plan for additional information where new irrigation lateral pipes will connect with existing irrigation lateral pipes and existing remote control valves. Existing lateral pipes located in Irrigation Demolition Areas are to be removed where it is below a proposed building or it interferes with construction activities, otherwise it may be abandoned below grade. If existing lateral pipe is brought to the surface in demolition areas it is to be removed to a minimum depth of twelve inches below grade and capped. See Keynotes and Landscape Irrigation Plans, L300 thru L301 for additional information. Contractor to field verify.
	Existing Irrigation Mainline (Remain & Protect): Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Sections of the existing mainline pipe are to remain and protect and other sections are being taken out of service. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Plan L300 & L301 for additional information where new irrigation mainline will replace existing irrigation mainline pipe. Contractor to field verify.
	Existing Irrigation Mainline (Removed/Replaced): Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Sections of the existing mainline pipe are being taken out of service. Mainline piping being taken out of service is to be removed and disposed of to an approved disposal site as part of the bid. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Plan L300 & L301 for additional information where new irrigation mainline will replace existing irrigation mainline pipe. Contractor to field verify.
	Existing Irrigation Communication Cable: Rainmaster 2-WIRE Communication Cable installed in 1 1/2" PVC Schedule 40 Electrical conduit with sweep ells into all valve boxes to remain and protect, unless designated to be modified. Modify as required for the project. See Irrigation Plan L300 thru L301 for additional information.
	Existing 2-Wire Decoder to Remote Control Valve Wiring: Standard 14 AWG Irrigation Low Voltage Control wiring in 1" PVC electrical conduit with sweep ells into all valve boxes to remain and protect. See Irrigation Plan L300 thru L301 for additional information.
1	Existing Rainmaster 2-Wire Decoders: 1 Station Decoder to remain and protect. See Irrigation Plan L300 thru L301 for additional information.
	Existing Rainmaster #TW-LA-1 Line Surge Protector to remain and protect. See Irrigation Plan L300 thru L301 for additional information.
	Existing Remote Control Valve to Remain & Protect, unless otherwise noted. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Air Relief Valve to Remain & Protect. See Keynotes and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Gate Valve to Remain & Protect, unless otherwise noted. See Keynotes and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
	Existing Quick Coupler Valve to Remain & Protect, unless otherwise noted. See Keynotes and Landscape Irrigation Plan, L300 & L301 for additional information. Contractor to field verify.
F-02 UNK	Existing Controller # / Station # Gallons per minute (UNK = GPM for existing valves is Unknown)
BFP 02	Existing 2" Backflow Prevention Device to Remain & Protect. Contractor to field verify.
BFP 06	Existing 2" Backflow Prevention Device to Remain & Protect. Contractor to field verify.
A	Existing Irrigation Controller 'A' to be Removed & Replaced. Existing Controller 'A' is an Irritrol wall mount with all 24 stations in use. Contractor is to keep the existing irrigation controller in service until new improvements have been installed and are ready to be put in service. When new improvements have been installed and are operational, Contractor is to remove the existing Irrigation Controller 'A' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'A1' configuration. Contractor is to install the new irrigation controller 'A1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. See existing Irrigation Controller 'A' photos below. Contractor to field verify. See Landscape Irrigation Plan for replacement irrigation controller 'A1' information on Plan Sheets L300 thru L301 for additional information.
B	Existing Irrigation Controller 'B' to be Removed & Replaced. Existing Controller 'B' is a Hunter wall mount with all 16 stations in use. Contractor is to keep the existing irrigation controller in service until new improvements have been installed and are ready to be put in service. When new improvements have been installed and are operational, Contractor is to remove the existing Irrigation Controller 'B' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'B1' configuration. Contractor is to install the new irrigation controller 'B1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. See existing Irrigation Controller 'B' photos below. Contractor to field verify. Existing irrigation controllers 'B' and 'C' are to be combined in new replacement irrigation controller 'B1'. See Landscape Irrigation Plan for replacement irrigation controller 'B1' information on Plan Sheets L300 thru L301 for additional information.
C	Existing Irrigation Controller 'C' to be Removed & Replaced. Existing Controller 'C' is an Irritrol wall mount with 5 of 12 stations in use. Contractor is to keep the existing irrigation controller in service until new improvements have been installed and are ready to be put in service. When new improvements have been installed and are operational, Contractor is to remove the existing Irrigation Controller 'C' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'B1' configuration. Contractor is to install the new irrigation controller 'B1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. See existing Irrigation Controller 'C' photos below. Contractor to field verify. Existing irrigation controllers 'B' and 'C' are to be combined in new replacement irrigation controller 'B1'. See Landscape Irrigation Plan for replacement irrigation controller 'B1' information on Plan Sheets L300 thru L301 for additional information.
NOT SHOWN	Existing Irrigation Controller 'D' to Remain & Protect located north of the Educational Support Building. Existing Controller 'D' is an Rainmaster Eagle Plus 40 station controller, pedestal mount with 31 stations in use. Contractor to field verify.
F	Existing Irrigation Controller 'F' to Remain and Protect. Existing Controller 'F' is a Hunter Pro C 12 station wall mount with 11 stations in use. Contractor to field verify.
	Existing Irrigation Improvements to Remain and Protect. All areas adjacent to the project area have existing Irrigation Improvements to Remain & Protect. Contractor is to repair all damage to existing improvements that are intended to remain & protect to match existing improvements. Damage may be a direct or indirect result of their work or may be caused by neglect. Contractor to field verify.
	Existing Campus Irrigation Areas to be Removed. The Contractor is to remove existing sprinklers, valves, lateral piping and other irrigation improvements visible at the surface in designated and deliver salvaged parts, including, but not limited to sprinklers, valves, valve boxes etc., to the District Maintenance Department. Depressions and holes that are created from removing existing irrigation improvements being replaced are to be filled with clean topsoil level with surrounding grade and compacted. Contractor to field verify.
	Temporary Fire Lane to be removed, See Civil Demolition Plans for additional information.
	Fallow Soil Area for Development of Student Union Project. Demolition work has been completed previously and the designated area has been graded smooth. Contractor is to field verify existing conditions prior to bid.
	Existing concrete mowstrip to be removed. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the contractors expense to an approved disposal site. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.
	Existing concrete mowstrip to Remain & Protect. Contractor to field verify. See Architectural and Civil Demolition Plans for additional information.

NORTH

1" = 20'-0"

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9495
Fax: (559) 276-9497

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACK/CHECK

LANDSCAPE ARCHITECT — DAVID S. BIGLER — REG. NO. 3887 — STATE OF CALIFORNIA — 31 JULY 26

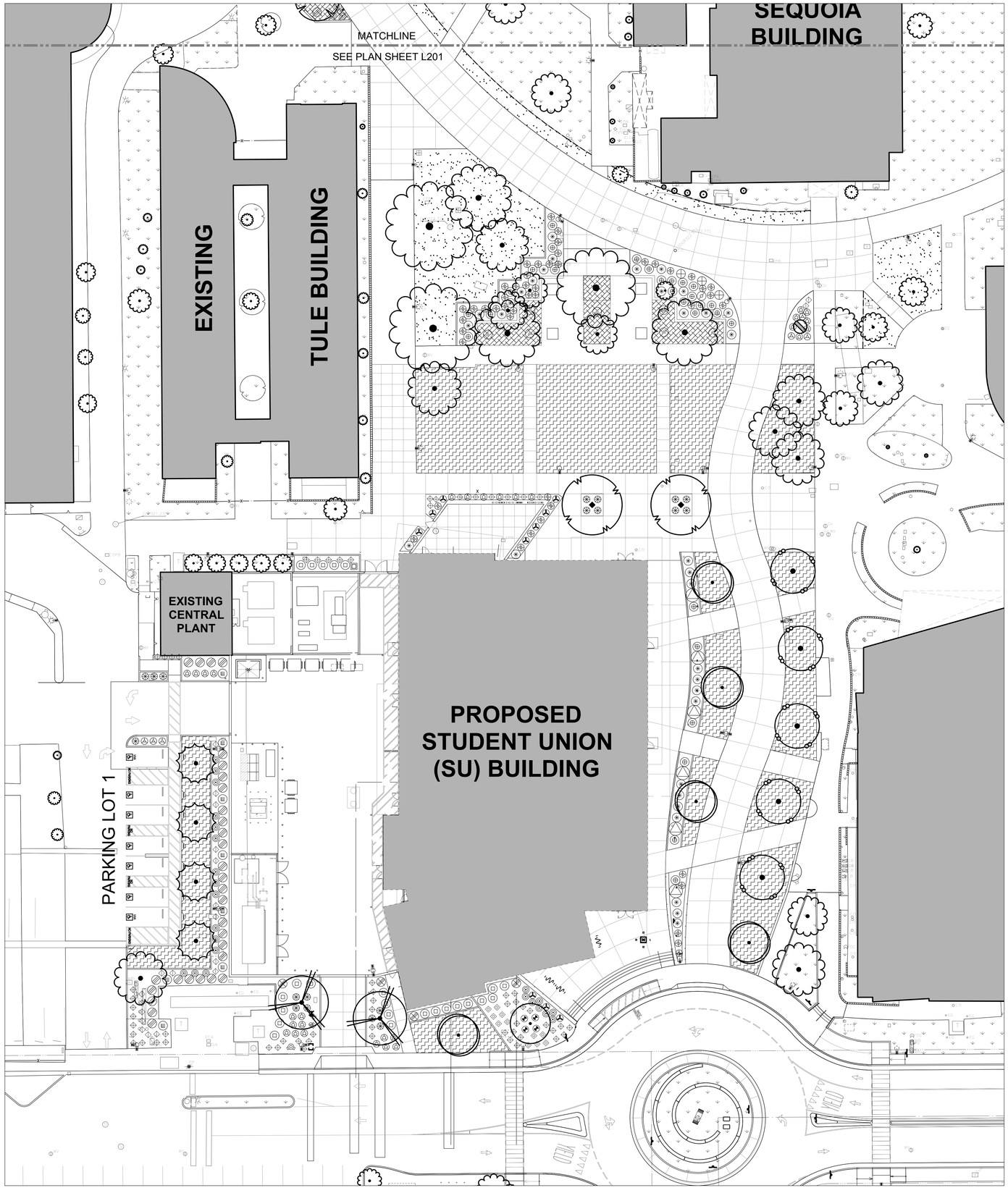
TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
LANDSCAPE IRRIGATION DEMOLITION PLAN

PROJECT NO.
22-12499

DRAWING
L103



LANDSCAPE PLANTING LEGEND

SYMBOL	WATER USE	SIZE	DESCRIPTION
	Low	1 Gal	BULBINE frutescens 'Tiny Tangerine', Dwarf Orange Bulbine.
	Low	1 Gal	LANTANA 'Trailing Lavender', Trailing Lavender Lantana.
	Low	1 Gal	LANTANA Lemon Zest 'Bandana', Bandana Lemon Zest Lantana.
	Mod	5 Gal	ROSA floribunda 'Iceberg', White Shrub Rose.
	Low	5 Gal	LEUCOPHYLLUM zygophyllum 'Cimarron', Blue Ranger.
	Low	5 Gal	ERIGERON karvinskianus, Santa Barbara Daisy.
	Mod	5 Gal	BERBERIS thunbergii 'Orange Rocket', Orange Rocket Barberry.
	Low	1 Gal	DIANELLA revoluta, Little Rev Flax.
	Mod	1 Gal	DIANELLA caerulea 'Cassa Blue', Blue Flax.
	Mod	5 Gal	LOROPETALUM chinense 'Burgundy', Loropetelum.
	Mod	5 Gal	BERBERIS thunbergii 'Rose Glow', Rose Glow Barberry.
	Mod	5 Gal	RHAPHIOLEPIS indica 'Enchantress', Indian Hawthorn.
	Low	5 Gal	LANTANA 'Radiation', Orange Lantana Bush.
	Mod	15 Gal	CAMELLIA japonica 'Silver Waves', White Flowering Camellia.
	Low	5 Gal	LEUCOPHYLLUM frutescens,'Compacta', Texas Ranger.
	Mod	5 Gal	COLEONEMA pulchellum 'Sunset Gold', Breath of Heaven.
	Low	5 Gal	RHAPHIOLEPIS umbellata 'Minor', Yeddo Hawthorn.
	Low	5 Gal	TECOMA x 'Solar Flare', Solar Flare Tecoma.
	Mod	24" Box	MAGNOLIA soulagiana 'Alexandrina', Saucer Magnolia, Multi Trunk Form.
	Low	24" Box	COTINUS coggygria 'Royal Purple', Smoke Tree, multi trunk form.
	Mod	36" Box	SEQUOIA sempervirens 'Aptos Blue', Coast Redwood Tree, low branch form.
	Mod	36" Box	ACER rubrum 'Armstrong', or 'Bowhall', Red Maple Tree, standard form.
	Low	36" Box	COTINUS coggygria 'Royal Purple', Smoke Tree, multi trunk / low branch form.
	Mod	24" Box	GINKGO biloba 'Princeton Sentry', Princeton Sentry Ginkgo Tree, low branch form.
	Mod	36" Box	ELAEOCARPUS decipiens, Japanese Blueberry Tree, standard form.
	Low	24" Box	LAURUS nobilis 'Saratoga', Bay Tree, standard form.
	Low	36" Box	PISTACIA chinensis 'Keith Davey', Chinese Pistache Tree, standard form.
			Existing Tree to Remain & Protect. Limit compaction and disturbance within the tree drip line. Provide temporary water as required to maintain a healthy growth state throughout the duration of the project. Temporary water is to be automated. Contractor is to hand dig trenches where roots 1" in diameter and greater are encountered. Contractor to field verify.
	Low	1 Gal	MAHONIA repens, Creeping Mahonia. Plant 4'-0" on center in triangular pattern to fill designated areas.
	Mod	Seeded Turf	Renovated Turf Area. Contractor is to fill and grade low and depressed areas with clean sandy loam topsoil and hydroseed area to match the adjacent existing turf. Renovated turf areas are to be scalped and verticut in two directions and graded smooth to prepare the seed bed and insure seed to soil contact before hydroseeding. Contractor to hydroseed areas to match existing turfgrass, with a blend of PAN AM Bermudagrass (4 lbs per 1,000 sq ft), and Perennial Ryegrass (8 lbs per 1,000 sq ft), or approved equal. Hydroseed at a rate of twelve pounds per one thousand square feet (12 lbs/1,000 sq ft.). See specifications for hydroseeding. The Contractor is responsible for hydroseeding over trenches and all disturbed areas due to construction activities from any trade on all parts of the campus. Contractor is to maintain hydroseeded areas until fully established and weed free. Contractor is to field verify. Regrade turf areas 1" below adjacent concrete sidewalks and contour grades to insure positive drainage. Contractor is to remove all vegetation, green waste and debris off site at no additional cost to the District. All planters are to have a positive slope away from buildings (min. 2% slope).
	Mod	Sodded Turf	Sodded Turfgrass - Celebration Hybrid bermudagrass sod as supplied by AG Sod, Jose Tamayo, (559) 478-9435, or approved equal. Use big roll sod for all areas over ten feet wide. See Landscape Construction specifications for additional information. Existing Turf & Landscape Areas to Remain and Protect. Existing turf, plant material or trees that are damaged due to construction activities, vehicle damage, stress due to lack of water or other deterioration of the existing areas to remain are to be restored by the contractor to the existing condition prior to the project at no additional cost to the District. This includes damage that may occur at any area of the campus. In disturbed areas, the Contractor is to fill and grade low and depressed areas with clean sandy topsoil and hydroseed existing turf areas to match the adjacent existing turf. In shrub areas, after grading as described above, the Contractor is to repair any damage and replace any stressed or damaged plant material to match the existing. The Contractor is responsible for hydroseeding over trenches and all disturbed turf areas due to any construction activities. Contractor is to maintain hydroseeded and repaired landscape areas until fully established and weed free, a minimum of 120 days or until accepted by the District.

SEE LANDSCAPE PLANTING DETAIL #16 ON PLAN SHEET L401
SEE TOPDRESSING MULCH INSTALLATION NOTE ON PLAN SHEET L201

NORTH

1" = 20'-0"

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9495
Fax: (559) 276-9497

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACK/CHECK

LANDSCAPE ARCHITECT — DAVID S. BIGLER — RLA # 3887 — 31 JULY 26 — RENEWAL — STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA|| BAKERSFIELD || MODESTO || SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA CA 93277

DRAWING TITLE
LANDSCAPE PLANTING PLAN

PROJECT NO.
22-12499

DRAWING
L200

PLOT DATE: 3/14/2025 6:33:26 PM

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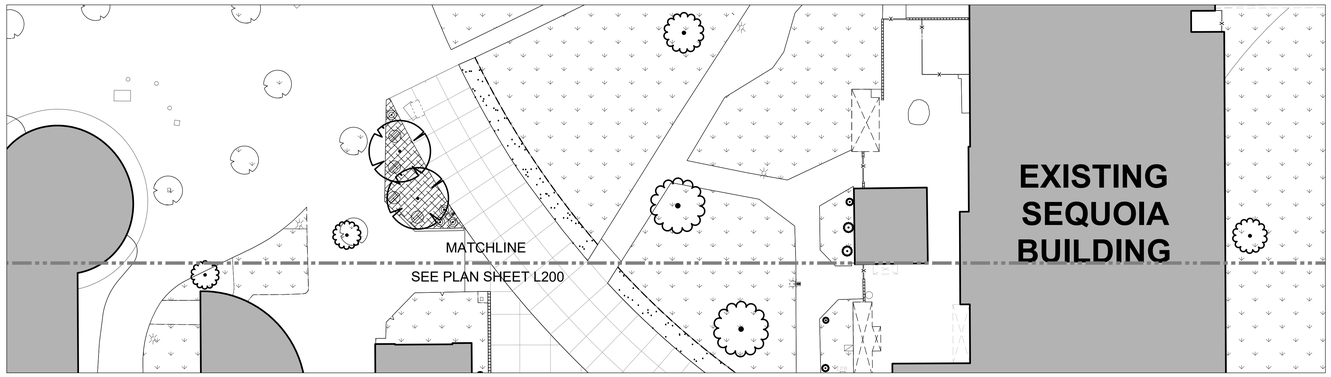

SEE LANDSCAPE PLANTING LEGEND ON PLAN SHEET L202

LANDSCAPE PLANTING LEGEND

SYMBOL	WATER USE	SIZE	DESCRIPTION
	Low	1 Gal	BULBINE frutescens 'Tiny Tangerine', Dwarf Orange Bulbine.
	Low	1 Gal	LANTANA 'Trailing Lavender', Trailing Lavender Lantana.
	Low	1 Gal	LANTANA Lemon Zest 'Bandana', Bandana Lemon Zest Lantana.
	Mod	5 Gal	ROSA floribunda 'Iceberg', White Shrub Rose.
	Low	5 Gal	LEUCOPHYLLUM zygophyllum 'Cimarron', Blue Ranger.
	Low	5 Gal	ERIGERON karvinskianus, Santa Barbara Daisy.
	Mod	5 Gal	BERBERIS thunbergii 'Orange Rocket', Orange Rocket Barberry.
	Low	1 Gal	DIANELLA revoluta, Little Rev Flax.
	Mod	1 Gal	DIANELLA caerulea 'Cassa Blue', Blue Flax.
	Mod	5 Gal	LOROPETALUM chinense 'Burgundy', Loropetelum.
	Mod	5 Gal	BERBERIS thunbergii 'Rose Glow', Rose Glow Barberry.
	Mod	5 Gal	RHAPHIOLEPIS indica 'Enchantress', Indian Hawthorn.
	Low	5 Gal	LANTANA 'Radiation', Orange Lantana Bush.
	Mod	15 Gal	CAMELLIA japonica 'Silver Waves', White Flowering Camellia.
	Low	5 Gal	LEUCOPHYLLUM frutescens,'Compacta', Texas Ranger.
	Mod	5 Gal	COLEONEMA pulchellum 'Sunset Gold', Breath of Heaven.
	Low	5 Gal	RHAPHIOLEPIS umbellata 'Minor', Yeddo Hawthorn.
	Low	5 Gal	TECOMA x 'Solar Flare', Solar Flare Tecoma.
	Mod	24" Box	MAGNOLIA soulagiana 'Alexandrina', Saucer Magnolia, Multi Trunk Form.
	Low	24" Box	COTINUS coggygria 'Royal Purple', Smoke Tree, multi trunk form.
	Mod	36" Box	SEQUOIA sempervirens 'Aptos Blue', Coast Redwood Tree, low branch form.
	Mod	36" Box	ACER rubrum 'Armstrong', or 'Bowhall', Red Maple Tree, standard form.
	Low	36" Box	COTINUS coggygria 'Royal Purple', Smoke Tree, multi trunk / low branch form.
	Mod	24" Box	GINKGO biloba 'Princeton Sentry', Princeton Sentry Ginkgo Tree, low branch form.
	Mod	36" Box	ELAEOCARPUS decipiens, Japanese Blueberry Tree, standard form.
	Low	24" Box	LAURUS nobilis 'Saratoga', Bay Tree, standard form.
	Low	36" Box	PISTACIA chinensis 'Keith Davey', Chinese Pistache Tree, standard form.
			Existing Tree to Remain & Protect. Limit compaction and disturbance within the tree drip line. Provide temporary water as required to maintain a healthy growth state throughout the duration of the project. Temporary water is to be automated. Contractor is to hand dig trenches where roots 1" in diameter and greater are encountered. Contractor to field verify.
	Low	1 Gal	MAHONIA repens, Creeping Mahonia. Plant 4'-0" on center in triangular pattern to fill designated areas.
	Mod	Seeded Turf	Renovated Turf Area. Contractor is to fill and grade low and depressed areas with clean sandy loam topsoil and hydroseed area to match the adjacent existing turf. Renovated turf areas are to be scalped and verticut in two directions and graded smooth to prepare the seed bed and insure seed to soil contact before hydroseeding. Contractor to hydroseed areas to match existing turfgrass, with a blend of PAN AM Bermudagrass (4 lbs per 1,000 sq ft), and Perennial Ryegrass (8 lbs per 1,000 sq ft), or approved equal. Hydroseed at a rate of twelve pounds per one thousand square feet (12 lbs/1,000 sq ft.). See specifications for hydroseeding. The Contractor is responsible for hydroseeding over trenches and all disturbed areas due to construction activities from any trade on all parts of the campus. Contractor is to maintain hydroseeded areas until fully established and weed free. Contractor is to field verify. Regrade turf areas 1" below adjacent concrete sidewalks and contour grades to insure positive drainage. Contractor is to remove all vegetation, green waste and debris off site at no additional cost to the District. All planters are to have a positive slope away from buildings (min. 2% slope).
	Mod	Sodded Turf	Sodded Turfgrass - Celebration Hybrid bermudagrass sod as supplied by AG Sod, Jose Tamayo, (559) 478-9435, or approved equal. Use big roll sod for all areas over ten feet wide. See Landscape Construction specifications for additional information. Existing Turf & Landscape Areas to Remain and Protect. Existing turf, plant material or trees that are damaged due to construction activities, vehicle damage, stress due to lack of water or other deterioration of the existing areas to remain are to be restored by the contractor to the existing condition prior to the project at no additional cost to the District. This includes damage that may occur at any area of the campus. In disturbed areas, the Contractor is to fill and grade low and depressed areas with clean sandy topsoil and hydroseed existing turf areas to match the adjacent existing turf. In shrub areas, after grading as described above, the Contractor is to repair any damage and replace any stressed or damaged plant material to match the existing. The Contractor is responsible for hydroseeding over trenches and all disturbed turf areas due to any construction activities. Contractor is to maintain hydroseeded and repaired landscape areas until fully established and weed free, a minimum of 120 days or until accepted by the District.

SEE LANDSCAPE PLANTING DETAIL #16 ON PLAN SHEET L401

PROJECT LANDSCAPE AND HARDSCAPE AREA SHADING CALCULATION

	100%	75%	50%	25%	Total
LARGE TREE (35' - 40')	962 SF	722 SF	481 SF	241 SF	
1. Existing Trees	12	0	0	0	
2. PISTACIA chinensis 'Keith Davey'	2	0	0	0	
3. ELAECARPUS decipiens	5	0	0	0	
SHADE QUANTITY (SF)	18,278 SF	0 SF	0 SF	0 SF	18,278 SF
MEDIUM TREE (30' - 35')	707 SF	530 SF	354 SF	177 SF	
4. Existing Trees	4	0	0	0	
5. ACER rubrum 'Armstrong'	5	0	0	0	
	0	0	0	0	
SHADE QUANTITY (SF)	6,363 SF	0 SF	0 SF	0 SF	6,363 SF
SMALL TREE (20' - 25')	452 SF	339 SF	226 SF	113 SF	
6. COTINUS coggygria 'Royal Purple'	3	0	0	0	
SHADE QUANTITY (SF)	1,356 SF	0 SF	0 SF	0 SF	1,356 SF
TOTAL TREE SHADING PROVIDED FOR PROJECT LANDSCAPE AND HARDSCAPE AREAS					25,997 SF
TOTAL BUILDING SHADE PROVIDED FOR PROJECT AREA					2,942 SF
TOTAL TREE AND BUILDING SHADE PROVIDED FOR PROJECT AREA					28,939 SF
TOTAL PROJECT LANDSCAPE AND HARDSCAPE AREAS					53,976 SF
PROJECT LANDSCAPE AND TREE SHADING PERCENTAGE (MIN. 20% REQ'D)					53%

TOPDRESSING MULCH INSTALLATION NOTE: PERIMETER "LOCK TRENCH" FOR TOPDRESSING MULCH AREAS - CONTRACTOR IS TO LOWER THE EXISTING GRADE AT ALL PERIMETER AREAS WHERE TOPDRESSING MULCH AREAS ARE ADJACENT TO PERIMETER CURB, SIDEWALK OR UTILITY VAULTS OR ANY OTHER HARDSCAPED SURFACE: WALK ON BARK AREAS (3") BELOW THE TOP OF ADJACENT HARDSCAPE SURFACE OVER ONE FOOT (1'-0" WIDTH) AND THEN TAPER TO EXISTING GRADE IN A GENTLE MANNER OVER A ONE TO TWO FOOT AREA (1'-0" - 2'-0") AS REQUIRED. EDGE GRADING WORK IS TO "LOCK" THE TOPDRESSING MULCH IN PLACE TO ELIMINATE MULCH MIGRATION AND LOSS. CONTRACTOR IS TO REMOVE "LOCK TRENCH" SPOILS AND EXTRA SOIL OFF SITE AS PART OF THE BID OR INCORPORATE INTO SITE GRADING. ALL NON TURF LANDSCAPE AREAS ARE TO RECEIVE A 3" COMPACTED DEPTH OF PREMIUM WALK ON BARK AS SUPPLIED BY SUPERIOR SOIL SUPPLIMENTS, OR APPROVED EQUAL. CONTRACTOR IS TO FIELD VERIFY. SEE INSTALLATION DETAIL #24 ON PLAN SHEET L402 FOR ADDITIONAL INFORMATION.

NORTH

1" = 20'-0"

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9495
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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
LANDSCAPE PLANTING PLAN

PROJECT NO.
22-12499

DRAWING
L201

PLOT DATE: 3/14/2025 6:33:28 PM

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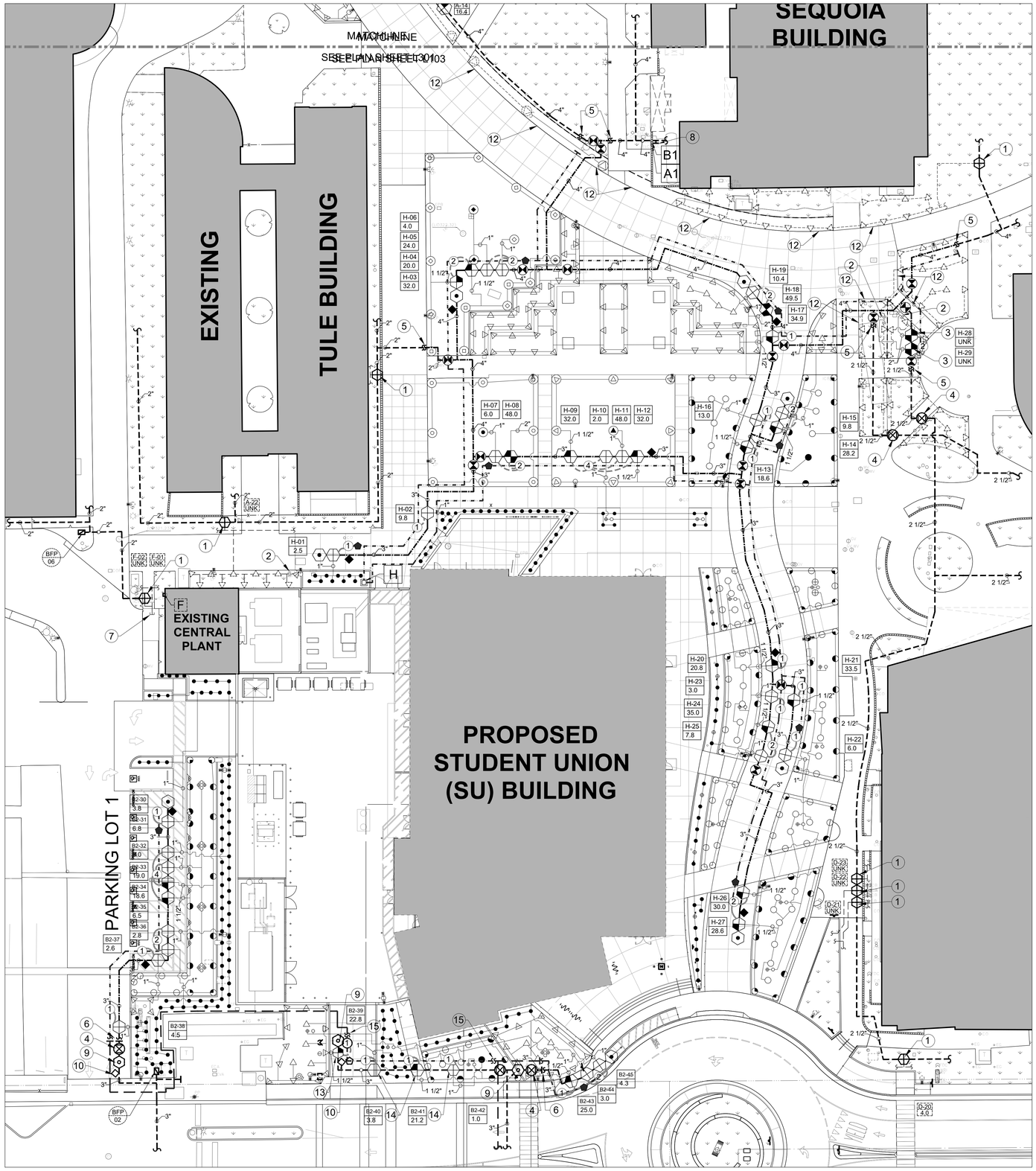
LANDSCAPE PLANTING PLAN



SEE LANDSCAPE IRRIGATION LEGEND ON PLAN SHEET L302

IRRIGATION KEYNOTES

1. EXISTING REMOTE CONTROL VALVE TO REMAIN AND PROTECT AND MAINTAIN EXISTING CONTROLLER ASSIGNMENT. CONTRACTOR TO FIELD VERIFY.
2. CONTRACTOR IS TO CONNECT NEW LATERAL PIPE TO THE EXISTING LATERAL PIPE SUPPLYING THE EXISTING SPRINKLER AS REQUIRED. EXISTING LATERAL PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE LOCATIONS IN THE FIELD. CONTRACTOR TO FIELD VERIFY.
3. EXISTING REMOTE CONTROL VALVE TO BE REMOVED, RELOCATED AND REPLACED. INSTALL NEW REMOTE CONTROL VALVE ON THE NEW IRRIGATION MAINLINE PIPE AND CONNECT TO THE EXISTING LATERAL PIPE FOR THE EXISTING SPRINKLERS TO REMAIN AND PROTECT. CONTRACTOR IS TO INSTALL NEW 2-WIRE PATH CONTROL WIRING WITH DECODER FROM NEW 2-WIRE CONTROLLER 'H'. CONTRACTOR IS TO REMOVE EXISTING LOW VOLTAGE CONTROL WIRING FROM THE WIRE BLOCK OF EXISTING CONTROLLER 'A' FOR VALVES TRANSITIONED TO CONTROLLER 'H'. SEE IRRIGATION DEMOLITION PLAN L102 AND L103 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY.
4. EXISTING MAINLINE GATE VALVE TO REMAIN AND PROTECT. CONTRACTOR TO FIELD VERIFY.
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13. EXISTING REMOTE CONTROL VALVE TO BE REMOVED AND REPLACED. INSTALL NEW REMOTE CONTROL VALVE ON THE EXISTING IRRIGATION MAINLINE PIPE AND CONNECT TO THE NEW LATERAL PIPE FOR THE NEW SPRINKLERS. CONTRACTOR IS TO REUSE EXISTING 2-WIRE CONTROL WIRING AND DECODER FROM EXISTING DESIGNATED CONTROLLER 'B2'. SEE IRRIGATION DEMOLITION PLAN PLAN L102 AND L103 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY.
14. CONTRACTOR IS TO INSTALL PROPOSED REMOTE CONTROL VALVES ON THE EXISTING 3" IRRIGATION MAINLINE. EXISTING MAINLINE PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE INSTALLATION LOCATIONS IN THE FIELD. CONTRACTOR IS TO INSTALL PROPOSED REMOTE CONTROL VALVES WITH ROMAC #202N SERVICE SADDLE WITH DUCTILE IRON BODY WITH TWO (2) STAINLESS STEEL STRAPS. CONTRACTOR IS TO EXCAVATE THE EXISTING IRRIGATION MAINLINE AS REQUIRED AND INSTALL THE REMOTE CONTROL VALVES PER THE REMOTE CONTROL VALVE INSTALLATION DETAILS. CONTRACTOR TO FIELD VERIFY.
15. CONTRACTOR IS TO FIELD LOCATE THE EXISTING 2-WIRE CONTROL WIRE PATH INSTALLED IN CONDUIT AND IS TO INTERCEPT AND REPLACE THE 2-WIRE CONTROL WIRE AT THE LOCATIONS INDICATED AND INSTALL NEW 2-WIRE PATH IN THE LOCATION INDICATED INSTALLED IN 1 1/2" ELECTRICAL CONDUIT WITH SWEEP ELLS ENTERING AND EXITING ALL VALVE BOXES FOR THE ADDED REMOTE CONTROL VALVES. SEE KEY NOTE #14 FOR ADDITIONAL INFORMATION.

EXISTING LOW VOLTAGE CONTROL WIRE TRACING NOTE:

PRIOR TO STARTING WORK, CONTRACTOR IS TO TRACE ALL EXISTING LOW VOLTAGE CONTROL WIRING FROM EXISTING IRRIGAITON CONTROLLERS 'A', 'B' AND 'C' TO LOCATE VALVES AND CONTROL WIRE ROUTING TO DETERMINE THE LOCATION NEAREST THE PROJECT AREA TO INTERCEPT EXISTING LOW VOLTAGE CONTROL WIRING TO EXTEND TO NEW REPLACEMENT IRRIGATION CONTROLLER 'A1' AND 'B1'. CONTRACTOR IS TO LOCATE ALL EXISTING VALVES OUTSIDE PROJECT AREA AND IS TO INTERCEPT AND EXTEND CONTROL WIRING TO NEW REPLACEMENT IRRIGATION CONTROLLER 'A1' AND 'B1'.

EXISTING TREE DRIP LINE TRENCHING NOTE:

CONTRACTOR IS TO HAND DIG TRENCHES IN AREAS WITHIN AN EXISTING TREE DRIP LINE THAT IS DESIGNATED TO REMAIN AND PROTECT. CONTRACTOR IS NOT TO CUT ROOTS OF ONE INCH (1") DIAMETER OR LARGER WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN AND PROTECT. CONTRACTOR IS TO LIMIT THE TRENCHING WITHIN THE DRIP LINE OF TREES DESIGNATED TO REMAIN AND PROTECT.

IRRIGATION CLEARANCES NOTE:

GENERALLY, CONTRACTOR IS TO INSTALL IRRIGATION MAINLINE IN PERIMETER AREAS WITHIN THREE FEET (3'-0") OF THE PERIMETER SIDEWALK, FENCE OR WALL, EXCEPT WHERE IT WOULD INTERFERE WITH OTHER IMPROVEMENTS. ALL VALVE BOXES ARE TO BE NEATLY ORGANIZED AND LOCATED AWAY FROM TREES (12 FT MIN. CLEARANCE FOR VALVES AND MAINLINE) AND ARE NOT TO INTERFERE WITH SHRUB LAYOUT. NO SHRUBS ARE TO BE DELETED DUE TO THE INSTALLATION LOCATION OF VALVE BOXES. CONTRACTOR IS TO FIELD STAKE PLANTS AND TREES PRIOR TO STAKING THE ROUTING OF IRRIGATION MAINLINE AND REMOTE CONTROL VALVE LOCATIONS TO AVOID CONFLICTS. CONTRACTOR IS TO PLAN TO PROVIDE MAXIMUM SEPARATION FROM IRRIGATION MAINLINE PIPE AND TREES AS REQUIRED.

NORTH

1" = 20'-0"

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9486
Fax: (559) 276-9497

LANDSCAPE IRRIGATION PLAN

7

PLOT DATE: 3/14/2025 6:33:26 PM

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
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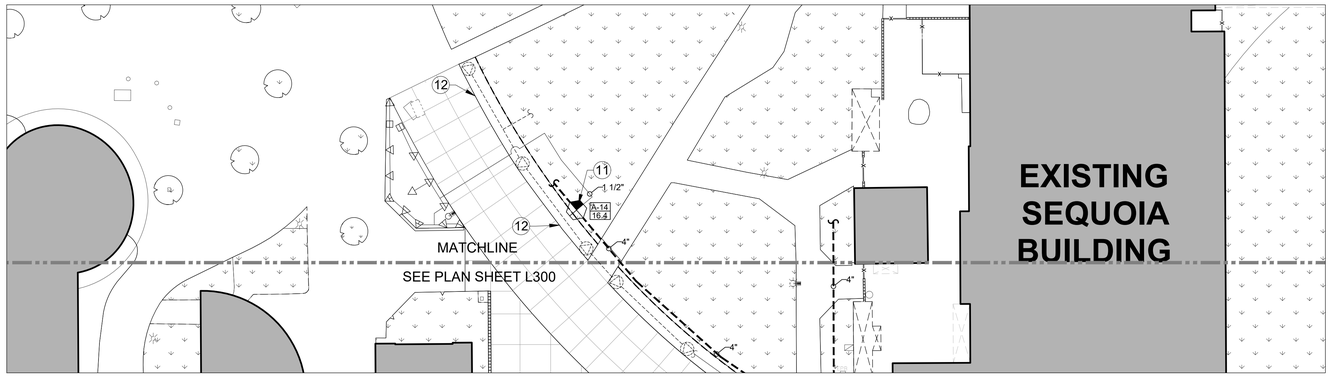
VISALIA|| BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
LANDSCAPE IRRIGATION PLAN

PROJECT NO.
22-12499

DRAWING
L300



SEE LANDSCAPE IRRIGATION LEGEND ON PLAN SHEET L302

EXISTING LOW VOLTAGE CONTROL WIRE TRACING NOTE:

PRIOR TO STARTING WORK, CONTRACTOR IS TO TRACE ALL EXISTING LOW VOLTAGE CONTROL WIRING FROM EXISTING IRRIGAITON CONTROLLERS 'A', 'B' AND 'C' TO LOCATE VALVES AND CONTROL WIRE ROUTING TO DETERMINE THE LOCATION NEAREST THE PROJECT AREA TO INTERCEPT EXISTING LOW VOLTAGE CONTROL WIRING TO EXTEND TO NEW REPLACEMENT IRRIGATION CONTROLLER 'A1' AND 'B1'. CONTRACTOR IS TO LOCATE ALL EXISTING VALVES OUTSIDE PROJECT AREA AND IS TO INTERCEPT AND EXTEND CONTROL WIRING TO NEW REPLACEMENT IRRIGATION CONTROLLER 'A1' AND 'B1'.

EXISTING TREE DRIP LINE TRENCHING NOTE:

CONTRACTOR IS TO HAND DIG TRENCHES IN AREAS WITHIN AN EXISTING TREE DRIP LINE THAT IS DESIGNATED TO REMAIN AND PROTECT. CONTRACTOR IS NOT TO CUT ROOTS OF ONE INCH (1") DIAMETER OR LARGER WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN AND PROTECT. CONTRACTOR IS TO LIMIT THE TRENCHING WITHIN THE DRIP LINE OF TREES DESIGNATED TO REMAIN AND PROTECT.

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GENERALLY, CONTRACTOR IS TO INSTALL IRRIGATION MAINLINE IN PERIMETER AREAS WITHIN THREE FEET (3'-0") OF THE PERIMETER SIDEWALK, FENCE OR WALL, EXCEPT WHERE IT WOULD INTERFERE WITH OTHER IMPROVEMENTS. ALL VALVE BOXES ARE TO BE NEATLY ORGANIZED AND LOCATED AWAY FROM TREES (12 FT MIN. CLEARANCE FOR VALVES AND MAINLINE) AND ARE NOT TO INTERFERE WITH SHRUB LAYOUT. NO SHRUBS ARE TO BE DELETED DUE TO THE INSTALLATION LOCATION OF VALVE BOXES. CONTRACTOR IS TO FIELD STAKE PLANTS AND TREES PRIOR TO STAKING THE ROUTING OF IRRIGATION MAINLINE AND REMOTE CONTROL VALVE LOCATIONS TO AVOID CONFLICTS. CONTRACTOR IS TO PLAN TO PROVIDE MAXIMUM SEPARATION FROM IRRIGATION MAINLINE PIPE AND TREES AS REQUIRED.

Water Usage Chart - MAWA vs. ETWU	
MAWA= (Et_O) x (0.62) x [(0.45 x LA) + (1.0 - 0.45) x SLA)] = (53.3) x (0.62) x [(0.45 x 22,806) + (1.0 - 0.45) x 15,838)] = 627,002 gallons per year	
ETWU (**Hydrozone #1 - Low- Bubblers**) ETWU= (Et_O) x (0.62) x [((PF) x (HA)) / (IE)] = (53.3) x (0.62) x [((0.2) x (846)) / (0.81)] = 6,903 gallons per year	ETWU (**Hydrozone #2 - Moderate - Bubblers**) ETWU= (Et_O) x (0.62) x [((PF) x (HA)) / (IE)] = (53.3) x (0.62) x [((0.5) x (1,282)) / (0.81)] = 26,151 gallons per year
ETWU (**Hydrozone #3 - Low - Sprays**) ETWU= (Et_O) x (0.62) x [((PF) x (HA)) / (IE)] = (53.3) x (0.62) x [((0.2) x (4,840)) / (0.75)] = 42,651 gallons per year	**Hydrozone #4 -** SLA MAWA= (Et_O) x (0.62) x (SLA) = (53.3) x (0.62) x (15,838) = 523,383 gallons per year
TOTAL ETWU (Sum of Hydrozones 1, 2, 3 & 4) = 599,088 gallons per year	
MAWA > ETWU 627,002 gallons > 599,088 gallons ✓	

Hydrozone (HZ)	Plant Water Use Req.	Plant Factor (PF)	Hydrozone Area (sq ft) (HA)	Zone or Valve Numbers	Irrigation Method	Percent of Landscape Area	Irrigation Efficiency (IE)
1	Low	0.2	846	SEE PLANS	Bubblers	4%	0.81
2	Moderate	0.5	1,282	SEE PLANS	Bubblers	6%	0.81
3	Low	0.2	4,840	SEE PLANS	Sprays	21%	0.75
4	SLA	N/A	15,838	SEE PLANS	Sprays	69%	N/A
		Sum	22,806				

IRRIGATION KEYNOTES

1. EXISTING REMOTE CONTROL VALVE TO REMAIN AND PROTECT AND MAINTAIN EXISTING CONTROLLER ASSIGNMENT. CONTRACTOR TO FIELD VERIFY.
2. CONTRACTOR IS TO CONNECT NEW LATERAL PIPE TO THE EXISTING LATERAL PIPE SUPPLYING THE EXISTING SPRINKLER AS REQUIRED. EXISTING LATERAL PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE LOCATIONS IN THE FIELD. CONTRACTOR TO FIELD VERIFY.
3. EXISTING REMOTE CONTROL VALVE TO BE REMOVED, RELOCATED AND REPLACED. INSTALL NEW REMOTE CONTROL VALVE ON THE NEW IRRIGATION MAINLINE PIPE AND CONNECT TO THE EXISTING LATERAL PIPE FOR THE EXISTING SPRINKLERS TO REMAIN AND PROTECT. CONTRACTOR IS TO INSTALL NEW 2-WIRE PATH CONTROL WIRING WITH DECODER FROM NEW 2-WIRE CONTROLLER 'H'. CONTRACTOR IS TO REMOVE EXISTING LOW VOLTAGE CONTROL WIRING FROM THE WIRE BLOCK OF EXISTING CONTROLLER 'A' FOR VALVES TRANSITIONED TO CONTROLLER 'H'. SEE IRRIGATION DEMOLITION PLAN L102 AND L103 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY.
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NORTH

1" = 20'-0"

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9495
Fax: (559) 276-9497

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

LANDSCAPE ARCHITECT — DAVID S. BIGLER — RLA # 3887 — 31 JULY 26 — STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA CA 93277

DRAWING TITLE
LANDSCAPE IRRIGATION PLAN

PROJECT NO.
22-12499

DRAWING
L301

PLOT DATE: 3/14/2025 6:33:28 PM

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LANDSCAPE & IRRIGATION NOTES

1. PRODUCT "OR APPROVED EQUAL" SPECIFICATION NOTE: ALL SPECIFIED MATERIALS, PRODUCTS AND MANUFACTURERS ARE RELEVANT TO DESCRIBE THE REQUIRED QUALITY AND FEATURES OF A PARTICULAR COMPONENT OF THE PROJECT, HOWEVER, THE SPECIFIC PRODUCT OR MANUFACTURER NOTED IS TO BE CONSTRUED TO BE FOLLOWED BY THE WORDS, "OR APPROVED EQUAL".

2. GENERAL NOTE: THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT, MATERIALS AND LABOR TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. ADDITIONAL EQUIPMENT AND MATERIALS IN ADDITION TO THE SYSTEM COMPONENTS LISTED IN THE LEGEND MAY BE REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

3. DESIGNATED IRRIGATION CONTROLLERS ARE EXISTING AND ARE TO REMAIN & PROTECT. THE CONTRACTOR IS TO FIELD VERIFY.

4. SPRINKLER ADJUSTMENT NOTE: CONTRACTOR SHALL MAKE ANY ADJUSTMENTS OR CHANGES TO SPRINKLERS, NOZZLES, RADIUS AND ARCS AS REQUIRED TO PROVIDE 100% COVERAGE TO ALL LANDSCAPE AREAS AND PREVENT OVER SPRAY ONTO BUILDINGS OR HARDSCAPED SURFACES.

5. EXISTING IRRIGATION SYSTEM AND WATERING NOTE: THE CONTRACTOR IS RESPONSIBLE TO KEEP THE EXISTING IRRIGATION SYSTEM TO REMAIN OPERATIONAL TO IRRIGATE ALL LANDSCAPED AREAS. WHERE AUTOMATIC OPERATION OF EXISTING IRRIGATION SYSTEMS IS INTERRUPTED DUE TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE TO SUPPLY TEMPORARY IRRIGATION TO NEW AND/OR EXISTING AREAS THAT ARE AFFECTED BY THE SERVICE INTERRUPTION AS REQUIRED DUE TO PREVAILING WEATHER CONDITIONS. THE CONTRACTOR SHALL MAKE REPAIRS TO THE EXISTING SYSTEM AS NEEDED. THE CONTRACTOR IS TO ASSIST CAMPUS MAINTENANCE PERSONNEL AS NEEDED TO KEEP THE EXISTING LANDSCAPED AREAS IRRIGATED. AREAS AFFECTED BY NEW CONSTRUCTION ARE TO BE IRRIGATED BY THE CONTRACTOR. CONTRACTOR IS TO REPLACE ANY DEAD OR STRESSED PLANT MATERIALS (TO MATCH EXISTING) THAT WERE TO REMAIN THAT WERE DAMAGED DUE TO CONSTRUCTION ACTIVITIES.

6. EXISTING IRRIGATION SYSTEM TO BE REPLACED BY NEW IRRIGATION SYSTEM NOTE: THE CONTRACTOR IS TO REMOVE EXISTING SPRINKLERS, VALVES AND OTHER IRRIGATION IMPROVEMENTS VISIBLE AT THE SURFACE IN AREAS TO RECEIVE NEW IRRIGATION AND DELIVER SALVAGED PARTS, INCLUDING, BUT NOT LIMITED TO SPRINKLERS, VALVES, VALVE BOXES ETC., TO THE CAMPUS MAINTENANCE DEPARTMENT. PIPING IS TO BE REMOVED WHERE IT INTERFERES WITH CONSTRUCTION ACTIVITIES, OTHERWISE PIPING MAY BE ABANDONED BELOW GRADE. WHERE PIPING IS BROUGHT TO THE SURFACE, THE CONTRACTOR SHALL CUT IT OFF A MINIMUM OF 12" BELOW GRADE. DEPRESSIONS AND HOLES THAT ARE CREATED FROM REMOVING EXISTING IRRIGATION IMPROVEMENTS BEING REPLACED ARE TO BE FILLED WITH CLEAN TOPSOIL LEVEL WITH SURROUNDING GRADE AND COMPACTED. IRRIGATION SYSTEM AND BUILDING WATER ARE TO REMAIN INTACT AND OPERATIONAL.

7. CAMPUS IRRIGATION WATER AVAILABILITY NOTE: THE CONTRACTOR IS TO INSTALL ALL REROUTED MAINLINE PIPES WHILE LEAVING THE EXISTING IRRIGATION SYSTEM IN SERVICE DURING THE PROJECT. WHEN ALL PIPING AND WIRE REROUTING WORK IS COMPLETE THE CONTRACTOR MAY ARRANGE TO SHUT OFF THE WATER TO MAKE FINAL CONNECTIONS FOR A PERIOD OF TIME NOT TO EXCEED TWO DAYS. THE CAMPUS MAINTENANCE SUPERVISOR IS TO BE GIVEN A MINIMUM OF ONE WEEK WRITTEN NOTICE TO OVERWATER THE CAMPUS AREAS IN QUESTION PRIOR TO SHUTTING OFF THE WATER TO MAKE FINAL CONNECTIONS. IF PREVAILING WEATHER CONDITIONS ARE OVER 95 DEGREES DAYTIME HIGH TEMPERATURES, THEN THE SHUT DOWN DURATION MAY BE LIMITED TO NO MORE THAN ONE DAY AS DECIDED BY CAMPUS MAINTENANCE SUPERVISOR.

8. EXISTING TURF, PLANT & TREE TO REMAIN & PROTECT NOTE: EXISTING TURF, PLANT MATERIAL OR TREES THAT ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES, VEHICLE DAMAGE, AND STRESS DUE TO LACK OF WATER OR OTHER DETERIORATION OF THE EXISTING AREAS TO REMAIN ARE TO BE RESTORED / REPLACED BY THE CONTRACTOR TO THE EXISTING CONDITION PRIOR TO THE PROJECT AT NO ADDITIONAL COST TO THE DISTRICT. THIS INCLUDES DAMAGE THAT MAY OCCUR AT ANY AREA OF THE CAMPUS.

9. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY VEGETATION WITHIN THE PROJECT AREA THAT IS NOT CALLED TO REMAIN AND PROTECT. ANY ADJACENT LANDSCAPE AREAS OUTSIDE THE PROJECT AREA THAT ARE TO REMAIN AND PROTECT THAT ARE DAMAGED ARE TO BE REPAIRED AND RESTORED AT NO ADDITIONAL COST TO THE DISTRICT. CONTRACTOR IS TO VISIT THE SITE PRIOR TO BID TO VERIFY EXISTING CONDITIONS AND IMPROVEMENTS.

10. EXISTING IRRIGATION REMOTE CONTROL VALVES TO BE REMOVED NOTE: PRIOR TO ANY DEMOLITION WORK, CONTRACTOR IS TO FIELD VERIFY THAT ANY IRRIGATION SYSTEMS CONNECTED TO REMOTE CONTROL VALVES NOTED TO BE REMOVED HAVE NEW IRRIGATION PLANNED FOR THOSE AREAS. IF ANY IRRIGATION SYSTEM, OR PART THERE OF, IS LOCATED IN AN EXISTING AREA TO REMAIN & PROTECT, THE CONTRACTOR IS TO LEAVE THAT VALVE, OR A PORTION OF IT, IN SERVICE AS REQUIRED. NOTIFY THE LANDSCAPE ARCHITECT FOR DIRECTION. CONTRACTOR TO FIELD VERIFY.

11. ALL AREAS ADJACENT TO THE PROJECT AREA HAVE EXISTING IRRIGATION IMPROVEMENTS TO REMAIN & PROTECT. CONTRACTOR IS TO REPAIR ALL DAMAGE TO EXISTING IMPROVEMENTS THAT ARE INTENDED TO REMAIN & PROTECT TO MATCH EXISTING IMPROVEMENTS. DAMAGE MAY BE A DIRECT, INDIRECT RESULT OF THEIR WORK OR MAY BE CAUSED BY NEGLECT. CONTRACTOR TO FIELD VERIFY.

12. MANUAL IRRIGATION NOTE: THE CONTRACTOR IS RESPONSIBLE TO MANUALLY IRRIGATE ANY EXISTING IRRIGATION SYSTEM AREAS ON THE CAMPUS WHERE THE EXISTING AUTOMATIC OPERATION OF THE EXISTING SYSTEMS TO REMAIN AND PROTECT ARE INTERRUPTED DUE TO CONSTRUCTION ACTIVITIES. DEPENDING UPON PREVAILING WEATHER CONDITIONS, DAILY WATERING MAY BE REQUIRED AS REQUESTED BY THE CAMPUS MAINTENANCE SUPERVISOR. THIS MAY INCLUDE AN AREA NEAR 10 ACRES IN SIZE WITH DOZENS OF REMOTE CONTROL VALVES. THE CONTRACTOR IS TO CAREFULLY FIELD VERIFY AND COORDINATE WORK TO AVOID DAMAGING THE EXISTING PIPING OR WIRING THAT MAY REQUIRE MANUAL IRRIGATION OF THE SITE BY THE CONTRACTOR FOR EXTENDED PERIODS OF TIME.

13. IRRIGATION AS BUILT NOTE: LIMITED AREAS OF THE IRRIGATION AS BUILTS ARE SHOWN ON THE PLANS FOR CONVENIENCE AND ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL THE INFORMATION ON THE COMPLETE IRRIGATION AS BUILT PLANS, AVAILABLE UPON REQUEST. CONTRACTOR IS TO FIELD VERIFY, TRACE AND POT HOLE ALL EXISTING IMPROVEMENTS PRIOR TO STARTING WORK.

14. THE CONTRACTOR IS RESPONSIBLE TO CAREFULLY EXAMINE THE SITE AND PLANS TO FIELD VERIFY ALL EXISTING CONCRETE, PATIOS, SIDEWALKS, PAVING AND OTHER HARDSCAPING TO REMAIN AND PROTECT TO DETERMINE THE SCOPE OF WORK REGARDING THE REQUIRED HORIZONTAL DIRECTIONAL BORING THAT WILL BE NECESSARY TO COMPLETE THE PROJECT. ALL EXISTING CONCRETE, PATIOS, SIDEWALKS, PAVING AND OTHER HARDSCAPED SURFACES MAY NOT BE SHOWN ON THE PLANS. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL LOCATIONS THAT MAY REQUIRE BORING, OR CUTTING AND PATCHING OF EXISTING HARDSCAPED SURFACES PRIOR TO BIDDING. GENERALLY, ALL HARDSCAPED SURFACE CROSSINGS ARE TO BE BY HORIZONTAL DIRECTIONAL BORING. THE CONTRACTOR MUST RECEIVE WRITTEN PERMISSION FROM THE DISTRICT PROJECT MANAGER TO SAW CUT AND PATCH ANY EXISTING HARDSCAPED SURFACES.

15. EXISTING REMOTE CONTROL VALVES AND IRRIGATION IMPROVEMENTS SHOWN ON THE PLAN ARE DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE TO FIELD LOCATE ALL IMPROVEMENTS AND PERFORM THE WORK OUTLINED AS SHOWN ON THE PLANS. CONTRACTOR IS TO TRACE EXISTING WIRING, POT HOLE AND USE ALL REASONABLE MEANS TO FIELD LOCATE EXISTING IMPROVEMENTS.

16. IRRIGATION CONTROLLERS 120 VOLT ELECTRICAL WIRING AND DATA NOTE: THE CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL WORK REQUIRED TO SUPPLY 120 VOLT POWER TO THE NEW IRRIGATION CONTROLLER LOCATION AND MODIFICATIONS REQUIRED FOR REPLACEMENT IRRIGATION CONTROLLERS LOCATION. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. CONTRACTOR IS TO PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION CONSTRUCTED TO CODE.

LANDSCAPE IRRIGATION LEGEND

SYMBOL	DESCRIPTION
H	Rainmaster #EGP-TWi-SPED Eagle Plus 2-Wire Controller with Stainless Steel locking Pedestal. 200 station 2-wire controller that is network ready via iCard cellular modem. In addition to the 5 years standard service with controller purchase, Contractor is to provide five (5) additional years of premium iCentral Service via cellular modem (#RM-ISVC-5Y, 5 year service access plan). District to approve installation location in the field prior to installation. Contractor is to install Irritrol #RS1000 wireless Rain Sensor for Controller 'H' with sensor to be located within 200 feet of irrigation controller a minimum of twelve feet above grade. District to approve installation location. All electrical work is to comply with CEC codes. See Installation Details #19, #20 & #21 on Plan Sheet L402 for additional information.
A1	Replacement Controller 'A1': Rainmaster #EGP32-ETHER, Eagle Plus 32 station Controller with Painted Steel locking wall mount cabinet. 32 station conventional controller that is ethernet ready via data cable to be installed to the irrigation controllers location by District. Contractor to make connections to the irrigation controllers. In addition to the 5 years standard service with controller purchase, Contractor is to provide five (5) additional years of premium iCentral Service via cellular modem (#RM-ISVCETHR-5Y, 5 year service access plan). Contractor is to remove the existing Irrigation Controller 'A' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'A1' configuration. Contractor is to install the new irrigation controller 'A1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. Contractor is to install Irritrol #RS1000 wireless Rain Sensor for Controller 'A1' with sensor to be located within 200 feet of irrigation controller a minimum of twelve feet above grade. District to approve installation location. All electrical work is to comply with CEC codes. Contractor to field verify. See Irrigation Demolition Plan for existing irrigation controller 'A' information on Plan Sheets L102 thru L103 for additional information. See Installation Detail #28 on Plan Sheet L403 & Detail #29 on Plan Sheet L404 for additional information.
B1	Replacement Controller 'B1': Rainmaster #EGP32-ETHER, Eagle Plus 32 station Controller with Painted Steel locking wall mount cabinet. 32 station conventional controller that is ethernet ready via data cable to be installed to the irrigation controllers location by District. Contractor to make connections to the irrigation controllers as required. In addition to the 5 years standard service with controller purchase, Contractor is to provide five (5) additional years of premium iCentral Service via cellular modem (#RM-ISVCETHR-5Y, 5 year service access plan). Contractor is to remove the existing Irrigation Controllers 'B' and 'C' and modify / extend source 120 volt electrical and low voltage control wires and conduit for the new irrigation controller 'B1' configuration. Contractor is to install the new irrigation controller 'B1' above the existing location approximately five feet above grade at a location approved by the District. Contractor is to deliver the salvaged controller to the District. Contractor is to remove low voltage control wires from controller station blocks for existing remote control valves removed as part of this project. Contractor is to modify programming as required. Contractor is to install Irritrol #RS1000 wireless Rain Sensor for Controller 'B1' with sensor to be located within 200 feet of irrigation controller a minimum of twelve feet above grade. District to approve installation location. All electrical work is to comply with CEC codes. Contractor to field verify. Existing irrigation controllers 'B' and 'C' are to be combined in new replacement irrigation controller 'B1'. See Irrigation Demolition Plan for existing irrigation controllers 'B' and 'C' information on Plan Sheets L102 thru L103 for additional information. See Installation Detail #28 on Plan Sheet L403 & Detail #29 on Plan Sheet L404 for additional information.
NOT SHOWN	Rainmaster Eagle Plus Central Control System: Contractor is responsible for all data collection, data input and programming for a complete installation in compliance with the manufacturers recommendations for active weather control of the irrigation system on District computer. Contractor is to assist and train up to six (6) designated District Maintenance staff in the programming and operation of the irrigation controller and Rainmaster Eagle Plus Central Control System with remote maintenance access from the Rainmaster PROMAX remote radio system and from the existing cellular smart phones of the District Maintenance Staff.
NOT SHOWN	Provide two (2) Rainmaster #PROMAX remote radio kits for remote access to the irrigation controllers and Eagle Plus Central Irrigation Controller system to the District.
H-01 / 2.5	Controller # / Station # Gallons per minute (UNK - Valve flow rate is unknown)
	Existing Sprinklers to Remain & Protect. See Irrigation Demolition Plan, L102 & L103 for additional information. Contractor to field verify.
	Existing Lateral Pipe to remain and protect. Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Designated existing lateral pipes are to remain & protect. Contractor is to modify existing lateral pipes as required for the project. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Demolition Plan for additional information. See Irrigation Demolition Plans, L102 thru L103 for additional information. Contractor to field verify.
	Existing Irrigation Mainline (Remain & Protect): Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Sections of the existing mainline pipe are to remain and protect and other sections are being taken out of service. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Demolition Plan L102 & L103 for additional information. Contractor to field verify.
	Existing Irrigation Communication Cable: Rainmaster 2-WIRE Communication Cable installed in 1 1/2" PVC Schedule 40 Electrical conduit with sweep ells into all valve boxes to remain and protect. Modify as required for the project. See Irrigation Demolition Plan L102 thru L103 for additional information.
	Existing 2-Wire Decoder to Remote Control Valve Wiring: Standard 14 AWG Irrigation Low Voltage Control wiring in 1" PVC electrical conduit with sweep ells into all valve boxes to remain and protect. See Irrigation Demolition Plan L102 thru L103 for additional information.
1	Existing Rainmaster 2-Wire Decoders: 1 Station Decoder to remain and protect. See Irrigation Demolition Plan L102 thru L103 for additional information.
	Existing Rainmaster #TW-LA-1 Line Surge Protector to remain and protect. See Irrigation Demolition Plan L102 thru L103 for additional information.
	Existing Remote Control Valve to Remain & Protect. See Irrigation Demolition Plan, L102 & L103 for additional information. Contractor to field verify.
	Existing Air Relief Valve to Remain & Protect. See Keynotes and Irrigation Demolition Plan, L102 & L103 for additional information. Contractor to field verify.
	Existing Gate Valve to Remain & Protect. See Irrigation Demolition Plan, L102 & L103 for additional information. Contractor to field verify.
	Existing Quick Coupler Valve to Remain & Protect. See Irrigation Demolition Plan, L102 & L103 for additional information. Contractor to field verify.
F-02 / UNK	Existing Controller # / Station # Gallons per minute (UNK = GPM for existing valves is Unknown)
BFP 02	Existing 2" Backflow Prevention Device to Remain & Protect. Contractor to field verify.
BFP 06	Existing 2" Backflow Prevention Device to Remain & Protect. Contractor to field verify.
NOT SHOWN	Existing Irrigation Controller 'D' to Remain & Protect located north of the Educational Support Building. Existing Controller 'D' is an Rainmaster Eagle Plus 40 station controller, pedestal mount with 31 stations in use. Contractor to field verify.
F	Existing Irrigation Controller 'F' to Remain and Protect. Existing Controller 'F' is a Hunter Pro C 12 station wall mount with 11 stations in use. Contractor to field verify.
	Existing Irrigation Improvements to Remain and Protect. All areas adjacent to the project area have existing Irrigation Improvements to Remain & Protect. Contractor is to repair all damage to existing improvements that are intended to remain & protect to match existing improvements. Damage may be a direct or indirect result of their work or may be caused by neglect. Contractor to field verify.

LANDSCAPE IRRIGATION LEGEND

SYMBOL	DESCRIPTION
	Hunter #PROS-04-PRS30-CV-F-MSBN-50Q, 4" pop-up sprinkler with check valve, flow guard and Hunter PC Multi Stream Bubbler Nozzle. (½" inlet: 0.50 gpm @ 30 psi). Install one foot six inches (1'-6") from center of the tree. Install on uphill side of plant or tree. See Installation Detail #01 on Plan Sheet L400 for additional information.
	Hunter #RZWS-36-50-CV with 0.5 gpm pressure compensating bubbler Root Watering System. Install one foot six inches (1'-6") from center of the tree. Install on uphill side of plant or tree. See Installation Detail #03 on Plan Sheet L400 for additional information.
	Hunter #PROS-04-PRS30-CV-F-MSBN-25Q, 4" pop-up sprinkler with check valve, flow guard and Hunter PC Multi Stream Bubbler Nozzle. (½" inlet: 0.25 gpm @ 30 psi). Install on uphill side of plant or tree. See Installation Detail #01 on Plan Sheet L400 for additional information.
	Hunter #PROS-06-PRS30-CV-F, 6" Pop-up Sprinkler with check valve, flow guard with Rainbird U-Series 12' radius nozzles, U-12Q, U-12H and U-12F for 90, 180 & 360 arcs and Rainbird HE-VAN Series 12' radius nozzles, HE-VAN-12 for 120 & 270 arcs. Contractor is to use as few HE-VAN nozzles as possible. Contractor is to adjust arc and radius to prevent overspray onto buildings and other hardscaped surfaces. If nozzle radius adjustment required is greater than 10% of nozzle rating, the contractor is to substitute nozzle with 8', 10' or specialty pattern nozzle as required at no additional cost to Owner. Contractor is to review nozzle substitutions with Landscape Architect for comment, prior to installation. See Installation Detail #02 on Plan Sheet L400 for additional information.
	Hunter #PROS-06-PRS30-CV-F, 6" Pop-up Sprinkler with check valve, flow guard with Rainbird U-Series 15' radius nozzles, U-15Q, U-15H and U-15F for 90, 180 & 360 arcs and Rainbird HE-VAN Series 15' radius nozzles, HE-VAN-15 for 120 arcs. Contractor is to use as few HE-VAN nozzles as possible. Contractor is to adjust arc and radius to prevent overspray onto buildings and other hardscaped surfaces. If nozzle radius adjustment required is greater than 10% of nozzle rating, the contractor is to substitute nozzle with 10', 12' or specialty pattern nozzle as required at no additional cost to Owner. Contractor is to review nozzle substitutions with Landscape Architect for comment, prior to installation. See Installation Detail #02 on Plan Sheet L400 for additional information.
	Hunter #PROS-12-PRS30-CV-F, 12" Pop-up Sprinkler with check valve, flow guard with Rainbird U-Series 12' radius nozzles, U-12Q, U-12H and U-12F for 90, 180 & 360 arcs and Rainbird HE-VAN Series 12' radius nozzles, HE-VAN-12 for 120 & 270 arcs. Contractor is to adjust arc and radius to prevent overspray onto buildings and other hardscaped surfaces. If nozzle radius adjustment required is greater than 10% of nozzle rating, the contractor is to substitute nozzle with 8', 10' or specialty pattern nozzle as required at no additional cost to Owner. Contractor is to review nozzle substitutions with Landscape Architect for comment, prior to installation. See Installation Detail #04 on Plan Sheet L400 for additional information.
	Hunter #PROS-12-PRS30-CV-F, 12" Pop-up Sprinkler with check valve, flow guard with Rainbird MPR Special Pattern nozzle, 9SST pattern. Contractor is to adjust arc and radius to prevent overspray onto buildings and other hardscaped surfaces. If nozzle radius adjustment required is greater than 10% of nozzle rating, the contractor is to substitute nozzle with 8', 10' or specialty pattern nozzle as required at no additional cost to Owner. Contractor is to review nozzle substitutions with Landscape Architect for comment, prior to installation. See Installation Detail #04 on Plan Sheet L400 for additional information.
	Hunter # I-20-06-SS-4.0, 6" pop up I-20 Ultra Series Rotor Sprinkler with part/full circle arc, stainless steel riser and check valve with #4.0 nozzle. (3/4" inlet: 4.0 gpm @ 45 psi). See Installation Detail #08 on plan sheet L400 for additional information.
	Hunter # I-20-06-SS-6.0, 6" pop up I-20 Ultra Series Rotor Sprinkler with part/full circle arc, stainless steel riser and check valve with #6.0 nozzle. (3/4" inlet: 6.0 gpm @ 45 psi). See Installation Detail #08 on plan sheet L400 for additional information.
	Hunter # I-20-06-SS-8.0, 6" pop up I-20 Ultra Series Rotor Sprinkler with part/full circle arc, stainless steel riser and check valve with #8.0 nozzle. (3/4" inlet: 8.0 gpm @ 45 psi). See Installation Detail #08 on plan sheet L400 for additional information.
	Hunter # I-25-06-SS-18.0, 6" pop up I-20 Ultra Series Rotor Sprinkler with part/full circle arc, stainless steel riser and check valve with #18.0 nozzle. (1" inlet: 14.5 gpm @ 50 psi). See Installation Detail #07 on plan sheet L400 for additional information.
	1" thru 2": PVC Class 200 Solvent Weld lateral pipe. Sleeve all pipe under paved surfaces eight feet wide or wider with PVC Schedule 40 pipe a minimum of two times larger than the pipe being sleeved. One pipe per sleeve only. Minimum sleeve size is 2". Wires are to be sleeved separately from pipe. Size lateral piping as noted on the lateral pipe sizing chart, Detail #06 on Plan Sheet L400 for additional information. Pipe sizing is not to exceed 4.0 feet per second flow velocity. Install all pipe in strict accordance with manufacturers instructions, using appropriate cement and primer for the various pipe sizes and prevailing site conditions. (Note: 1/2", 3/4" & 1 1/4" pipes are not allowed to be used on the project.) See Installation Detail #14 & #15 on plan sheet L401 for additional information.
	2" thru 3" PVC Schedule 40 SW Mainline Pipe. Mainline pipe fittings are to be PVC Schedule 80 solvent weld or TOE nipples. 4" PVC Class 200 Gasketed Mainline Pipe. Mainline pipe fittings are to be ductile iron Leemco gasketed fittings or Romac #202NS service saddle with double stainless steel straps, except where the irrigation details call for a specific fitting. Size Mainline Piping as noted on the plan. Install all pipe in strict accordance with manufacturers instructions. For mainlines 3" and larger install concrete thrust blocks at all changes in direction. No bending, or curving of the pipe will be allowed, except as permitted by the pipe manufacturer. Pipe manufacturer must be approved prior to installation. Use mechanical joint restraints where concrete thrust blocks are not applicable, such as vertical changes in direction, or when two pipelines are side by side. See Installation Details #13, #14 & #15 on Plan Sheet L401 for additional information.
	1" Irritrol #100P1-S, 100-S Series Electric Remote Control Scrubber Valve w/ pressure regulation #OMR-100-DS. Install one valve per standard rectangular valve box. Mainline schedule 80 nipple entering the valve is to be the same size as the lateral exiting the valve. Contractor is to install line size filter on all pop up spray sprinkler and low flow pop up bubbler valves in separate valve box adjacent to each other. Filters are to be installed on discharge side of valve. See Installation Detail #25 on Plan Sheet L403 for additional information.
	1 1/2" Irritrol #100P1.5-S, 100-S Series Electric Remote Control Scrubber Valve w/ pressure regulation #OMR-100-DS. Install one valve per standard rectangular valve box. Mainline schedule 80 nipple entering the valve is to be the same size as the lateral exiting the valve. Contractor is to install line size filter on all pop up spray sprinkler and low flow pop up bubbler valves in separate valve box adjacent to each other. Filters are to be installed on discharge side of valve. See Installation Detail #26 on Plan Sheet L403 for additional information.
	2" Irritrol #100P2-S, 100-S Series Electric Remote Control Scrubber Valve w/ pressure regulation #OMR-100-DS. Install one valve per standard rectangular valve box. Mainline schedule 80 nipple entering the valve is to be the same size as the lateral exiting the valve. Contractor is to install line size filter on all pop up spray sprinkler and low flow pop up bubbler valves in separate valve box adjacent to each other. Filters are to be installed on discharge side of valve. See Installation Detail #27 on Plan Sheet L403 for additional information.
	1" Crispin #IC-10, Air and Vacuum Release Valve to be installed at high points and dead end runs of the mainline piping system. Install in a standard rectangular valve box. Contractor to field locate. See Installation Detail #09 on Plan Sheet L400 for additional information.
	2" thru 3": Nibco #T-113 IRR BHW, Bronze Gate Valve with Non-Rising Stem. 4" thru 6": Nibco # P619-RW, Resilient Seat Gasketed Joint Gate Valve, 200 psi. Gate Valves are to be line size and installed in a 10" round valve box. Provide two (2) square operating nut handles (4' min. length) or each type required to the District. See Installation Details #10 & #11 on Plan Sheet L400 for additional information.
	Rainbird 44LRC, Quick Coupling Valve. Provide District with three (3) quick coupler keys with hose swivels. Install in 10" round valve box. See Installation Detail #12 on Plan Sheet L400 for additional information.
	IRRIGATION COMMUNICATION CABLE: RAINMASTER 2-WIRE COMMUNICATION CABLE #TW-CAB-14 (Black & Red) installed in 1 1/2" PVC Schedule 40 Electrical conduit with sweep ells entering and exiting all valve boxes with junction boxes located every one hundred fifty feet (150'), at all changes in direction and at all splices and dead end stubs for future extension. Junction boxes are to be heavy duty 12" standard rectangular valve boxes with locking covers except for splices made in remote control valve boxes. All decoder splices are to be located in valve box with remote control valves, or in junction boxes (12" standard rectangular valve box) where splices are required away from remote control valve boxes. All splices not related to a valve decoder are to be labeled on As-Built Plans. All 2-Wire splices are to be made with RainMaster #TW-SPLICE-14 waterproof splice kits. For dead end stubs for future use, install a ten foot coil of wire in a 12" standard rectangular valve box with waterproof wire splice kits installed on the ends of all dead end stubs. See Installation Detail #17 on Plan Sheet L401 & Details #22 & #23 on Plan Sheet L402 and Details #25, #26 & #27 on Plan Sheet L403 for additional information.
	2-Wire Decoder to Remote Control Valve Wiring: Standard 14 AWG Irrigation Low Voltage Control wiring with single copper conductor (solid) with direct burial insulation. Install one "hot" wire and one "common" wire from each remote control valve to the designated Decoder. Contractor is to install the 14 AWG remote control valve wires in 1" PVC electrical conduit with sweep ells into all valve boxes as required. Remote Control Valve Wiring is to be in its own dedicated 1" PVC electrical conduit and is not to be installed in the 2-Wire path conduit. All splices are to be made with Rainmaster #TW-SPLICE-14 waterproof splice kits. One inch (1") is the minimum size conduit and Contractor is to size conduit as required. See Installation Details #25, #26 & #27 on Plan Sheet L403 for additional information.
1 2 4	Rainmaster 2-Wire Decoders: 1 Station Decoder (#TW-D-1), 2 Station Decoder (#TW-D-2) & 4 Station Decoder (#TW-D-4), respectively. All decoders are to be installed in a valve box. Zip tie decoder to a 1" PVC Schedule 40 stake to elevate the decoder off the bottom of the valve box. Contractor is to loop all wiring to the decoder so decoder can be elevated a minimum of three feet above grade for ease of service. All wire splices are to be made with Rainmaster #TW-SPLICE-14 splice kits. See Installation Details #25, #26 & #27 on Plan Sheet L403 for additional information.
	Rainmaster #TW-LA-1 Line Surge Protector, Two Wire Path Grounding. See Installation Detail #22 on Plan Sheet L402 for additional information.

Tetra, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of service, is not to be used in whole or in part, for any other project without the prior written authorization.

MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACK/CHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
LANDSCAPE IRRIGATION LEGEND

PROJECT NO.
22-12499

DRAWING
L302

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9485
Fax: (559) 276-9497

PLOT DATE: 3/14/2025 6:33:26 PM

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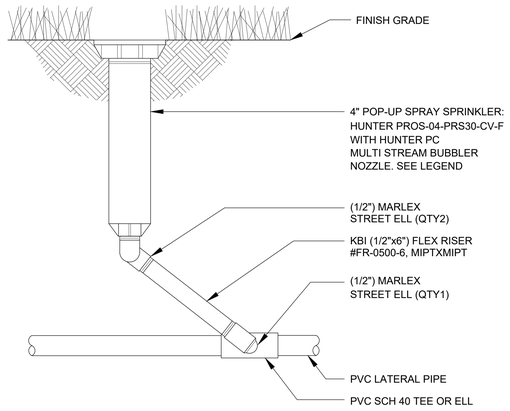
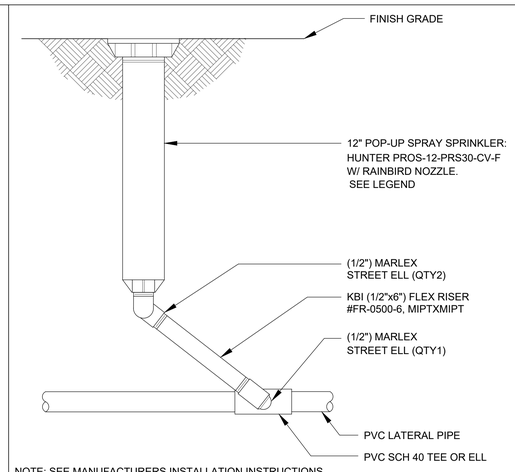


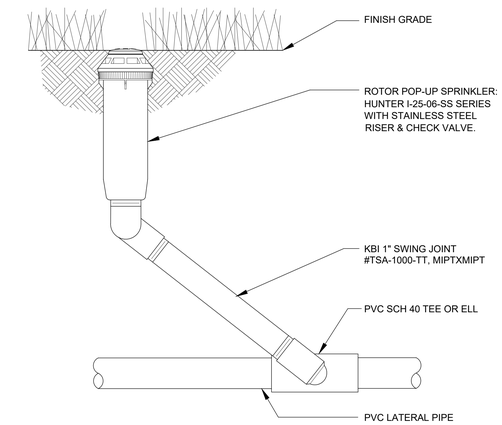
NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

01 4" POP-UP BUBBLER NTS



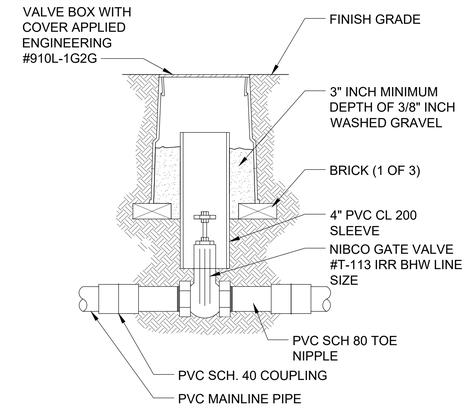
NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

04 12" POP-UP SPRAY SPRINKLER NTS



NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

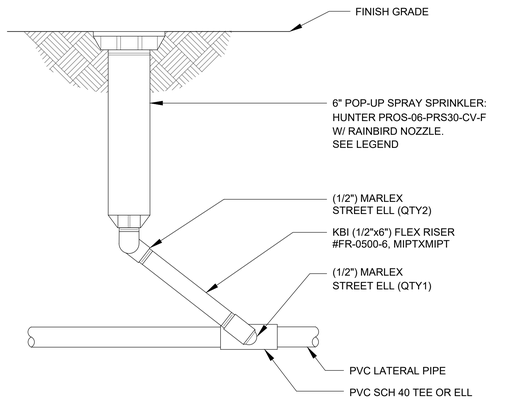
07 6" POP-UP ROTOR SPRINKLER NTS



(3" GATE VALVES AND SMALLER)

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

10 MAINLINE GATE VALVE (1" THRU 3") NTS

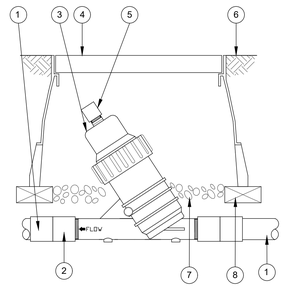


NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

02 6" POP-UP SPRAY SPRINKLER NTS

FILTER SIZE CHART

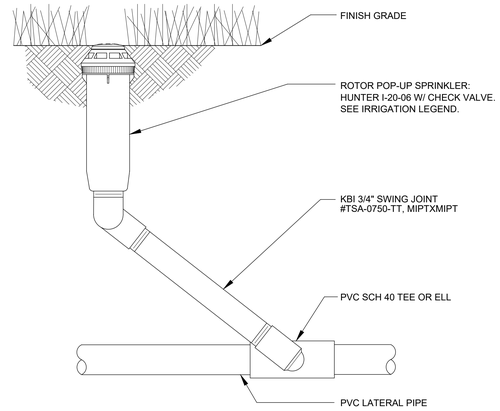
VALVE SIZE	FILTER SIZE	FILTER MODEL
1"	1"	HY-100
1 1/2"	1 1/2"	HY-151
2"	2"	HY-201



1. PVC LATERAL PIPE
2. PVC SCH 40 FEMALE ADAPTER (1 OF 2), LINE SIZE
3. HUNTER Y-FILTER WITH 150 MESH ELEMENT FILTER, SAME SIZE AS VALVE.
4. VALVE BOX W/ COVER: 12" SIZE, APPLIED ENGINEERING #1015-1G2G.
5. 3/4" PVC CAP
6. FINISH GRADE
7. 3" MIN DEPTH OF 3/8" WASHED GRAVEL
8. BRICK (1 OF 4)

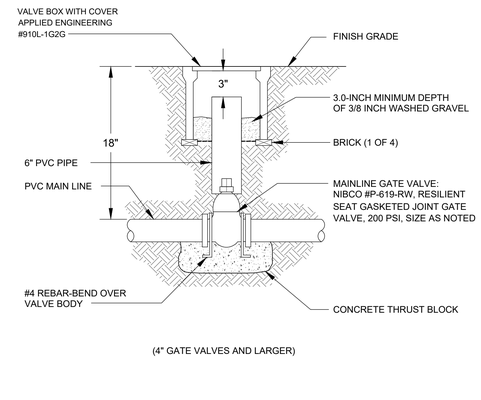
NOTE: INSTALL LINE SIZE FILTER (SEE FILTER SIZE CHART) ON PRECISION SPRAY AND BUBBLER VALVES IN SEPARATE VALVE BOXES - ADJACENT TO REMOTE CONTROL VALVE. FILTERS ARE TO BE INSTALLED ON DISCHARGE SIDE OF VALVE.

05 1" / 1 1/2" / 2" Y FILTER DETAIL NTS



NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

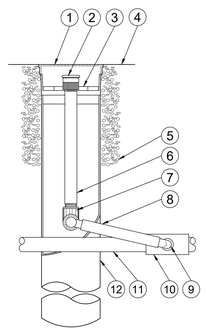
08 6" POP-UP ROTOR SPRINKLER NTS



(4" GATE VALVES AND LARGER)

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

11 MAINLINE GATE VALVE NTS



1. 4-INCH GRATE
2. BUBBLER: HUNTER - 0.5 GPM
3. ROOT WATERING SYSTEM: HUNTER #RZWS-36-50-CV (INCLUDES 0.5 GPM BUBBLER WITH RISER, GRATE, SWING ASSEMBLY, 1/2" MALE NPT INLET, AND BASKET CANISTER)
4. FINISH GRADE
5. PEA GRAVEL - 1.0 cu. ft.
6. 1/2-INCH PVC SCH 80 NIPPLE
7. 1/2-INCH 90-DEGREE ELBOW
8. 12-INCH SWING ASSEMBLY
9. 1/2-INCH MALE NPT INLET
10. PVC SCH 40 TEE OR EL
11. LATERAL PIPE
12. 4-INCH BASKET WEAVE CANISTER

NOTE: INSTALL ROOT WATERING SYSTEM WITH BUBBLER INSIDE THE TREE WATERING BASIN AND INSIDE THE TREE ROOT BARRIER ON THE UPHILL SIDE OF TREE, IF FINISH GRADE IS SLOPED INSTALL RWS-90CK IN SANDY SOILS.

03 ROOT WATERING TREE BUBBLER NTS

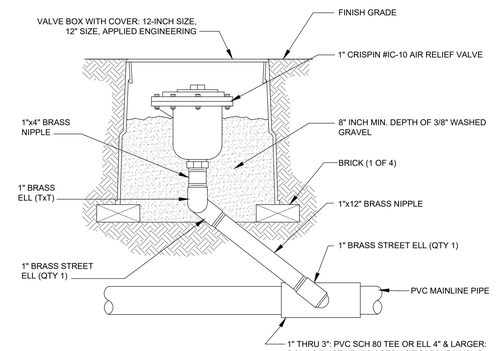
SPRINKLER FLOW RATE CHART

SYMBOL	RESPECTIVE FLOW RATE (GPM)
●⊕○	0.25 GPM, 0.5 GPM, 0.5 GPM
◷⊕⊕⊕	0.65 GPM, 0.79 GPM, 1.3 GPM, 1.77 GPM, 2.6 GPM
◔●●●	0.92 GPM, 1.24 GPM, 1.85 GPM, 3.7 GPM
△△△△△	0.65 GPM, 0.79 GPM, 1.3 GPM, 1.77 GPM, 2.6 GPM
⊟	1.73 GPM
◇◆	4.0 GPM, 4.0 GPM
○●	6.0 GPM, 6.0 GPM
△▲	8.0 GPM, 8.0 GPM
△	14.5 GPM

LATERAL PIPE SIZING CHART	PIPE SIZE	ALLOWABLE FLOW (GPM)
	3/4"	NOT USED
	1"	0 - 12.0
	1 1/2"	12.1 - 30.0
	2"	30.1 - 55.0

NOTE: CONTRACTOR TO USE SPECIFIED NOZZLE RATING (GPM) FOR LATERAL PIPE SIZE CALCULATIONS AS SHOWN IN THE SPRINKLER FLOW RATE CHART. FLOW RATINGS (GPM) ARE TO BE USED AT THE 50 PSI PRESSURE. FLOW VELOCITIES OF FOUR FEET PER SECOND SHALL NOT BE EXCEEDED. PIPE SIZES NOTED ON THE PLAN SHALL SUPERCEDE CALCULATED PIPE SIZES BY THE CONTRACTOR. LANDSCAPE ARCHITECT TO REVIEW ALL PIPE SIZING IN THE FIELD PRIOR TO BACKFILL OF ANY TRENCHES. CONTRACTOR TO SUBMIT A SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO TRENCHING.

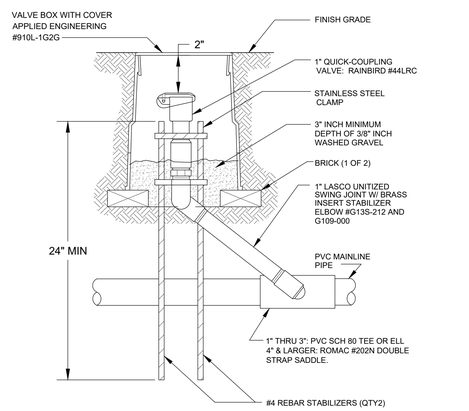
06 LATERAL PIPE SIZING CHART NTS



NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

NOTE: INSTALL AT HIGH ELEVATION POINTS & MAINLINE DEAD END RUNS. SEE PLAN SHEETS.

09 AIR RELIEF VALVE DETAIL NTS



NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

NOTE: DISTRICT MAINT. DEPARTMENT TO APPROVE ALL QUICK COUPLER VALVE LOCATIONS PRIOR TO INSTALLATION.

12 QUICK-COUPLING VALVE NTS

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACK/CHECK

LANDSCAPE ARCHITECT — DAVID S. BIGLER — RLA # 3887 — 31 JULY 26 — RENEWAL — STATE OF CALIFORNIA

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VISALIA|| BAKERSFIELD || MODESTO || SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

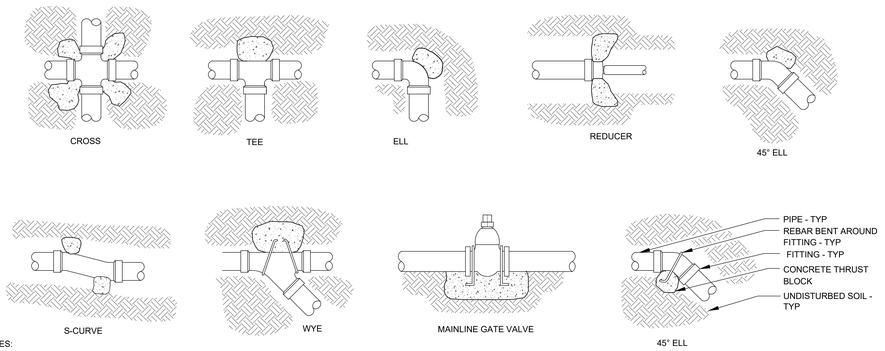
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
LANDSCAPE & IRRIGATION DETAILS

PROJECT NO.
22-12499

DRAWING
L400

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler.@aol.com
Tel: (559) 276-9495
Fax: (559) 276-9497

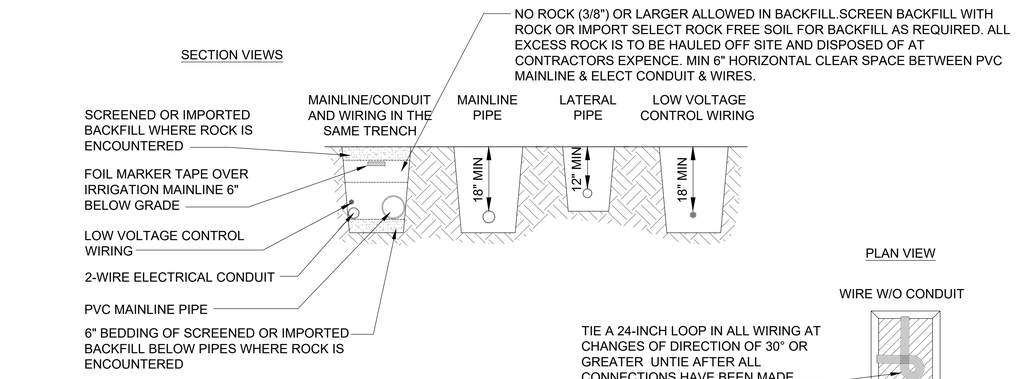


NOTES:

1. SUPPLY LINES 3-INCHES IN DIAMETER AND LARGER SHALL RECEIVE CONCRETE THRUST BLOCKS OR MECHANICAL JOINT RESTRAINTS.
2. SEE PIPE MANUFACTURERS SPECIFICATIONS FOR AMOUNT OF CONCRETE TO BE USED FOR THRUST BLOCK.
3. INSTALL ALL PIPE IN STRICT ACCORDANCE W/ PIPE MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

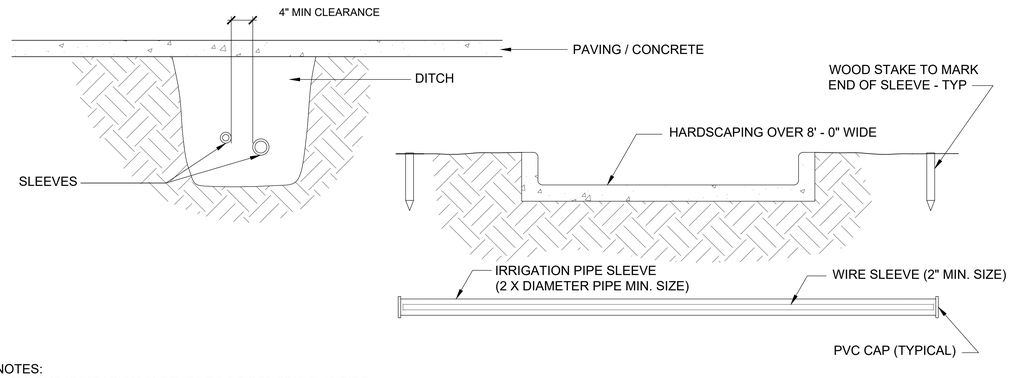
13 THRUST BLOCKS — NTS



NOTES:
1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH SCHEDULE 40 PVC TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN, MIN SLEEVE SIZE IS 2".
2. INSTALL ALL PIPE AND WIRE IN STRICT CONFORMANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

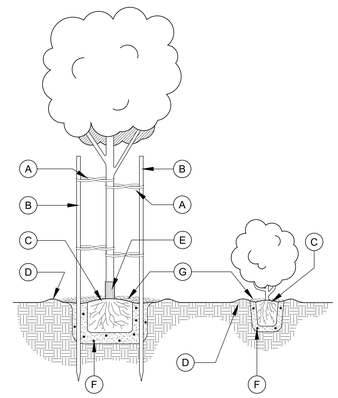
14 TRENCHING DETAIL — NTS



NOTES:
1. ALL PVC IRRIGATION SLEEVES TO BE SCHEDULE 40 PIPE.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
3. IRRIGATION PIPES AND LOW VOLTAGE WIRES ARE TO BE SLEEVED SEPARATELY.
4. ALL PIPES & WIRES ARE TO BE SLEEVED UNDER PAVED/CONC. 8'-0" WIDE OR WIDER. MECHANICALLY COMPACT TO 95% PROCTOR.

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

15 SLEEVING DETAIL — NTS



KEY NOTES

- (A) TREE TIES TO BE APPROVED RUBBER OR PLASTIC STRAPS NAILED TO STAKES
- (B) TREATED 2"x10' LODGE POLE STAKE TO BE SET VERTICAL
- (C) TOP OF ROOT BALL IS TO BE SET SLIGHTLY ABOVE FINISH GRADE
- (D) CONSTRUCT WATER BASIN TO THE DIAMETER NOTED BELOW WITH 3" BERM AROUND PERIMETER. SOFTEN BERM IN TURF AREAS. REMOVE ALL TURF WITHIN BERM AREA IN TURF AREAS

BERM DIAMETER	SIZE OF PLANT
30"	15 GALLON PLANT
36"	24" BOX
16"	5 GALLON PLANT
12"	1 GALLON PLANT

- (E) EXPANDABLE STRING TRIMMER TREE BOOT. USE ON TREES INSTALLED IN TURF AREAS ONLY
- (F) AGRIFORM PLANT FERTILIZER TABLETS
- (G) MULCH AS TOP DRESSING ALL NON TURF LANDSCAPE AREAS WITH WALK ON BARK AS SUPPLIED BY SUPERIOR SOIL SUPPLIMENTS OR APPROVED EQUAL. INSTALL TO A COMPACTED DEPTH OF THREE INCHES (3"). DO NOT ENGULF THE STEMS OR TRUNKS OF SHRUBS AND TREES.

PLANTING NOTES

1. ONE DRAINAGE HOLE, MIN. DIAMETER 18", SHALL BE DRILLED FOR EACH TREE TO A MIN. DEPTH OF TEN FEET (10') BACKFILL WITH ORIGINAL SOIL. DRAINAGE HOLE IS TO BE OFF SET FROM THE PLANTING HOLE TO PREVENT SETTLEMENT OF THE TREE OR SHRUB.
2. PLANTING HOLE IS TO BE TWICE THE DIAMETER OF CONTAINER WITH DEPTH EQUAL TO ROOT BALL, PLUS FOUR INCHES. BACKFILL WITH 85% CLEAN NATIVE SOIL MIXED WITH 15% NITRIFIED AGED FIR BARK HUMUS. APPLY AGRIFORM PLANT FERTILIZER TABS TO BACKFILL AS FOLLOWS.

# OF TABS	SIZE OF PLANT
2	1 GALLON SIZE
4	5 GALLON SIZE
6	15 GALLON SIZE
8	24" BOX SIZE
10	36" BOX SIZE

3. PLACE TREE OR SHRUB IN CENTER OF PLANTING HOLE.
4. TAMP BACKFILL TO FORCE OUT ALL AIR POCKETS. FOOT TAMP BACKFILL BELOW ROOT BALL TO PREVENT SETTLEMENT.
5. WATER TREE OR SHRUB IMMEDIATELY AFTER PLANTING
6. DOUBLE STAKE, WITH ONE STAKE TO BE PLACED ON THE WINDWARD SIDE AND THE OTHER PLACED ON THE LEEWARD SIDE OF THE TYPICAL PREVAILING WIND. TOP OF STAKE IS TO BE SIX INCHES BELOW THE BRANCHING POINT OF THE CROWN.

16 TREE AND SHRUB PLANTING DETAIL — NTS

1. ALWAYS INSTALL THE DECODER MODULE IN A VALVE BOX FOR EASE OF SERVICE.

2. MAXIMUM COMMUNICATION WIRE LENGTH BETWEEN THE CONTROLLER AND THE FARTHEST DECODER IS 5,000 FEET.

3. RECOMMENDED CABLE FOR CONTROLLER-TO-DECODER IS RAIN MASTER TWO-WIRE PATH, #TW-CAB-14, 14 AWG, SOLID COPPER, DOUBLE JACKETED 2-CONDUCTOR, DIRECT BURIAL CABLE. ALL 2-WIRE PATH CABLE IS TO BE INSTALLED IN 1 1/2" PVC ELECTRICAL CONDUIT WITH SWEEP ELLS.

4. THE INTEGRITY OF THE COMMUNICATION CABLE IS CRITICAL TO OPERATION OF THE SYSTEM. AS IT IS BEING INSTALLED, BEFORE THE DECODERS ARE CONNECTED, LOOP THE COMMUNICATION CABLE UP OUT THE VALVE BOX LEAVING A MINIMUM 3 FT LOOP ABOVE GRADE.

5. AT THE END OF EACH WIRE PATH, THE WIRE SHOULD BE TESTED WITH A VOLT-OHM METER TO CHECK FOR DAMAGE THAT MAY HAVE OCCURRED DURING INSTALLATION.

6. WHEN USING DECODERS, IT IS REQUIRED TO LOCATE THE DECODER AT THE VALVE IT SERVES TO REDUCE THE OUTPUT WIRE PATH EXPOSURE TO LIGHTNING. IT ALSO MAKES IT EASIER TO LOCATE FOR SERVICE.

7. TWO WIRE PATH LINE SURGE PROTECTOR - (#TW-LA-1) SURGE PROTECTOR AND GROUNDING EQUIPMENT SHOULD BE INSTALLED EVERY 500 FEET ON THE TWO WIRE PATH.

8. COMMUNICATION CABLE MUST BE CONNECTED BLACK TO BLACK AND RED TO RED AT ALL SPLICES WITH RAINMASTER #TW-SPLICE-14 WATERPROOF SPLICE KITS.

9. REMOTE CONTROL VALVES MUST BE EQUIPPED WITH SOLENOIDS. COMPATIBLE WITH RAINMASTER TWO-WIRE CONTROL SYSTEM.

10. ALL DECODER / CONTROL WIRING WORK IS TO BE IN COMPLIANCE WITH MANUFACTURERS (RAINMASTER) RECOMMENDATIONS.

11. CONTRACTOR IS TO HAVE ALL FIELD PERSONNEL INSTALLING RAINMASTER DECODERS, COMMUNICATION CABLE AND REMOTE CONTROL VALVE WIRING TO BE TRAINED BY AN AUTHORIZED RAINMASTER REPRESENTATIVE, CHRIS STEELE, (559) 779-8676 PRIOR TO STARTING CONSTRUCTION.

12. CONTRACTOR IS TO HAVE ALL RAINMASTER 2-WIRE PATH WIRING, COMMUNICATION CABLE AND REMOTE CONTROL VALVE WIRING AND 2-WIRE PATH GROUNDING INSPECTED PRIOR TO BACKFILL BY AN AUTHORIZED RAINMASTER REPRESENTATIVE, CHRIS STEELE, (559) 779-8676.

17 RAINMASTER 2-WIRE PATH & STATION DECODER NOTES — NTS

18 NOT USED — NTS

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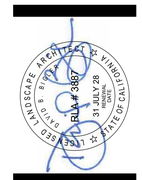

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DRAWING TITLE
LANDSCAPE & IRRIGATION DETAILS

PROJECT NO.
22-12499

DRAWING
L401

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9495
Fax: (559) 276-9497

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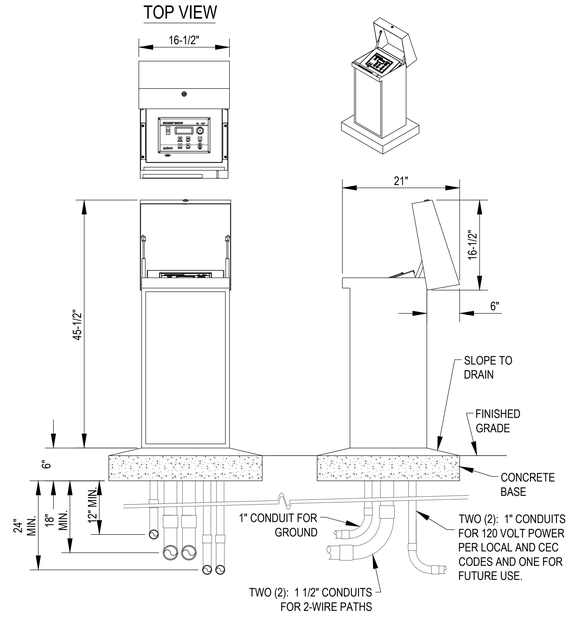
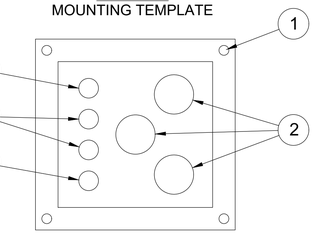
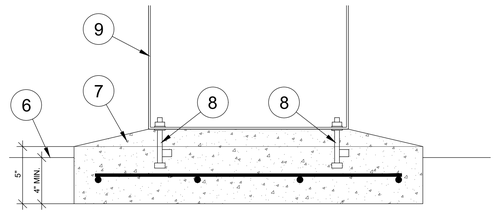


NOTES:
1. EQUIPMENT IS SUPPORTED ON GRADE AND IS LESS THAN 400 LBS AND LESS THAN FOUR (4'-0") FEET ABOVE FINISH GRADE. NOT PART OF DSA APPROVAL.
2. SEE DETAIL #21 TWO WIRE CONTROLLER ANCHORAGE DETAIL FOR ADDITIONAL INFORMATION.
3. SEE DETAIL #20 TWO WIRE CONTROLLER GROUNDING DETAIL FOR ADDITIONAL INFORMATION.

19 IRRIGATION TWO WIRE CONTROLLER 'H' DETAIL — NTS



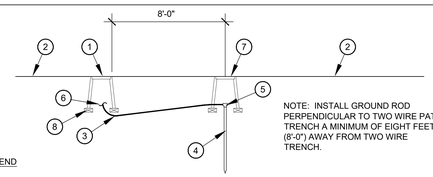
THE TEMPLATE IS USED TO PUSH THE ANCHORS INTO FORMED CONCRETE. TEMPLATE SHOULD BE FLUSH TO TOP OF CONCRETE. ONCE CONCRETE HAS HARDENED LOOSEN NUTS FORM ANCHORS AND REMOVE TEMPLATE. TEMPLATE MAY BE USED TO SET OTHER ANCHORS BUT ONCE THE ANCHORS ARE SET THE TEMPLATE MAY BE DISCARDED.



1. CONTROLLER MOUNTING TEMPLATE WITH FOUR (4) 1/2" DIAMETER MOUNTING HOLES TO MATCH CONTROLLER PEDESTAL BASE.
2. THREE (3) 1 1/2" PVC ELECTRICAL CONDUITS WITH SWEEP ELLS FOR TWO WIRE PATH COMMUNICATION CABLES.
3. ONE (1) 1" PVC ELECTRICAL CONDUIT WITH SWEEP ELL FOR CONTROLLER GROUNDING WIRE.
4. TWO (2) 1" PVC ELECTRICAL CONDUIT WITH SWEEP ELLS FOR FUTURE USE.
5. ONE (1) 1" PVC ELECTRICAL CONDUIT WITH SWEEP ELL FOR CONTROLLER ELECTRICAL POWER SUPPLY WIRING.
6. FINISH GRADE.
7. CONCRETE BASE THAT IS A MINIMUM OF 6" THICK AND 6" LARGER ON ALL SIDES OF THE CONTROLLER PEDESTAL FOOTPRINT. SLOPE SIDES OUTSIDE PEDESTAL FOOTPRINT TO DRAIN. PROVIDE #4 @ 12" O.C. EA. WAY CTRD.
8. PEDESTAL ANCHOR BOLT MOUNTING KIT #PT-AB-KT. TWO (2) OF FOUR (4) ANCHOR BOLTS ARE SHOWN.
   A. ANCHOR BOLT - 1/2" DIA WITH 2" MIN. EMBED
   B. WASHERS - TWO (2) PER ANCHOR BOLT REQUIRED.
   C. ANCHOR BOLT NUT - KEPS 1/2"-16-SS, WAXED.
   D. ALTERNATE ANCHOR BOLT - 1/2" DIA HILTI KB-TZ2 SS WITH 2" MIN. EMBED (ICC ESR-4266, TEST 40 FT-LB)
9. CONTROLLER PEDESTAL.

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

21 2-WIRE CONTROLLER 'G' ANCHORAGE — NTS



NOTE: INSTALL GROUND ROD PERPENDICULAR TO TWO WIRE PATH TRENCH A MINIMUM OF EIGHT FEET (8'-0") AWAY FROM TWO WIRE TRENCH.

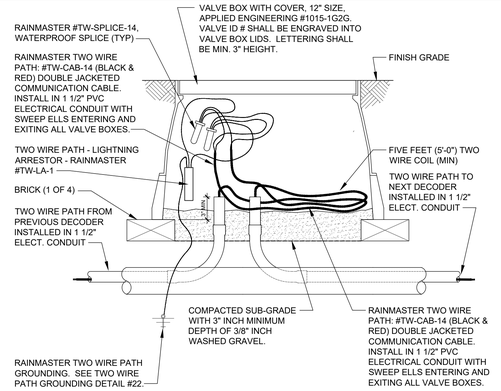
LEGEND

1. REMOTE CONTROL VALVE BOX OR COMMUNICATION CABLE SPLICE VALVE BOX WITH TWO WIRE PATH LINE SURGE PROTECTOR, RAINMASTER #TW-LA-1, SEE DETAILS #23, #25, #26 & #27.
2. FINISH GRADE
3. SOLID BARE COPPER GROUNDING WIRE (#6 AWG) FROM TWO WIRE PATH LINE SURGE PROTECTOR #TW-LA-1 TO COPPER GROUNDING ROD. MAKE WIRE RUNS AS STRAIGHT AS POSSIBLE
4. 5/8" X 8' LONG COPPER CLAD GROUNDING ROD.
5. CADWELD PLUS "ONE SHOT" - CADWELD CONNECTION #GT1161GPLUS, PERMANENT WELD OF BARE COPPER WIRES TO GROUNDING ROD.
6. CONNECT TO TWO WIRE PATH LINE SURGE PROTECTOR #TW-LA-1.
7. 10" ROUND VALVE BOX WITH LID, APPLIED ENGINEERING #910L-1G2G.
8. BRICKS (TYP), THREE (3) REQUIRED PER VALVE BOX WITH THREE INCHES (3") GRAVEL.

NOTES:
1. INSTALL ONE #TW-LA-1 LINE SURGE PROTECTOR NO FURTHER THAN 500 FT FROM ANY DECODER, OR AS SHOWN ON PLAN.
2. INSTALL THE TWO WIRE PATH GROUNDING ROD A MINIMUM OF EIGHT FEET (8'-0") FROM #TW-LA-1 LINE SURGE PROTECTOR, DO NOT INSTALL IN THE SAME TRENCH AS THE TWO WIRE PATH COMMUNICATION CABLE, INSTALL PERPENDICULAR TO THE TRENCH WITH THE TWO WIRE PATH COMMUNICATION CABLE.
3. TWO WIRE PATH GROUNDING REQUIRES GROUNDING TO A SINGLE POINT OF GROUND WITH A MEASURED RESISTANCE OF NO MORE THAN 25 OHMS IS REQUIRED AT EACH #TW-LA-1. GROUNDING IS TO BE VERIFIED IN THE FIELD BY THE IOR, LANDSCAPE ARCHITECT OR RAINMASTER AUTHORIZED REPRESENTATIVE. (ASIC SPEC: SECTION 7.0 - MEASURING RESISTANCE, ITEM A.)

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

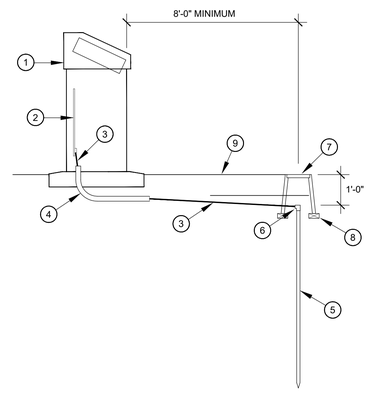
22 TWO WIRE PATH GROUNDING — NTS



NOTE: LOCATE J BOXES A MAXIMUM OF 150 FEET ON CENTER OR AT ALL CHANGES IN DIRECTION OF NINETY DEGREES OR MORE, AT ALL SPLICES (NOT IN REMOTE CONTROL VALVE BOX) AND AT DEAD END STUBS.

NOTE: ALL COMMUNICATION CABLE (TWO WIRE PATH) IS TO BE INSTALLED IN 1 1/2" PVC SCH. 40 ELECTRICAL CONDUIT WITH LONG SWEEP ELBOWS ENTERING AND EXITING ALL VALVE BOXES AND PULL BOXES AS REQUIRED.

23 TWO WIRE PATH SPLICE / J-BOX — NTS



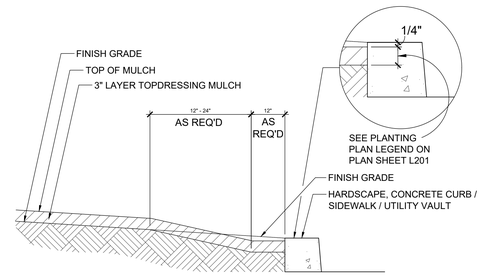
NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

LEGEND

1. CONTROLLER ASSEMBLY
2. CONTROLLER BACK BOARD OR CONTROLLER SUB ASSEMBLY
3. SOLID BARE COPPER GROUNDING WIRE (#6 AWG) FROM CONTROLLER TO GROUNDING ROD. MAKE WIRE RUNS AS STRAIGHT AS POSSIBLE.
4. 1" ELECTRICAL CONDUIT LONG SWEEP ELL
5. 5/8" X 8' LONG COPPER CLAD GROUNDING ROD.
6. CADWELD PLUS "ONE SHOT" - CADWELD CONNECTION # GT1161GPLUS, PERMANENT WELD OF BARE COPPER WIRES TO GROUNDING ROD.
7. 10" ROUND VALVE BOX WITH LID.
8. BRICKS, THREE (3) REQUIRED PER VALVE BOX WITH 3" LAYER GRAVEL.
9. FINISH GRADE

NOTE: CONTROLLER GROUNDING REQUIRES GROUNDING TO A SINGLE POINT OF GROUND WITH A MEASURED RESISTANCE OF NO MORE THAN 10 OHMS. GROUNDING IS TO BE VERIFIED IN THE FIELD BY THE IOR, LANDSCAPE ARCHITECT OR RAINMASTER AUTHORIZED REPRESENTATIVE. (ASIC SPEC: SECTION 7.0 - MEASURING RESISTANCE, ITEM A.)

20 CONTROLLER 'H' GROUNDING DETAIL — NTS



NOTES:
1. CONTRACTOR IS TO MODIFY FINISH GRADE SOIL AS REQUIRED TO INSTALL / CONSTRUCT PERIMETER "LOCK TRENCH" FOR MULCH.

2. CONTRACTOR IS TO REMOVE SOIL EXCAVATED FROM "LOCK TRENCH" AREAS OFF SITE AS PART OF THE BID, OR USE IT IN OVERALL GRADING SCHEME.

24 PERIMETER LOCK TRENCH — NTS

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TETER, INC.
FRESNO HEADQUARTERS
VISALIA| BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

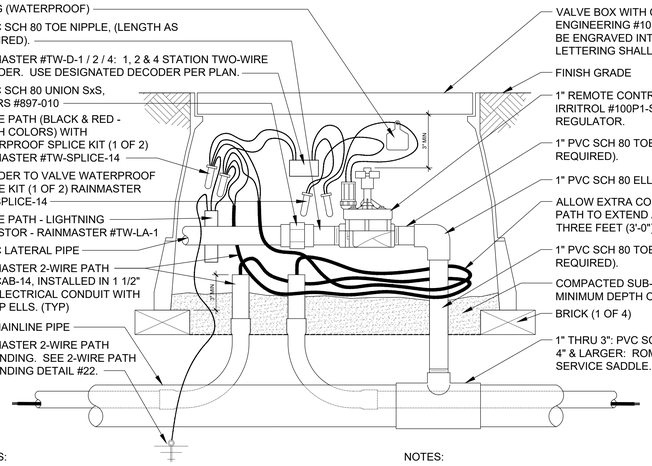
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
LANDSCAPE & IRRIGATION DETAILS

PROJECT NO.
22-12499

DRAWING
L402

David Bigler Associates
Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9495
Fax: (559) 276-9497

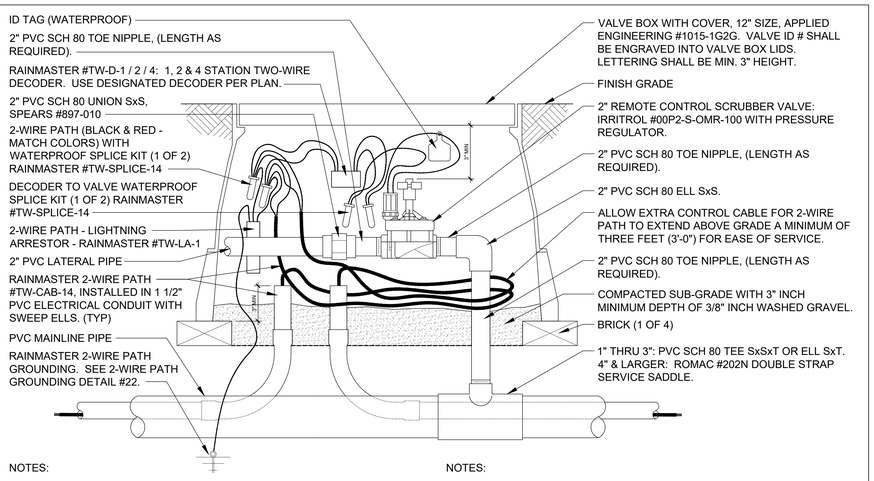


NOTES:

1. INSTALL A MAXIMUM OF ONE REMOTE CONTROL VALVE PER 12" STANDARD RECTANGULAR VALVE BOX.
2. CONTRACTOR TO INSTALL IRRITROL PRESSURE REGULATING MODULE (OMR-100) FOR ALL VALVES.
3. INSTALL LINE SIZE HUNTER 150 MESH FILTER FOR ALL LOW FLOW BUBBLER AND FIXED POP-UP SPRAY VALVES IN SEPARATE VALVE BOX. SEE DETAIL #05.
4. INSTALL RAINMASTER #TW-LA-1 LIGHTNING ARRESTOR DEVICE NO FURTHER THAN 500 FEET FROM ANY DECODER. SEE DETAIL #22.
5. INSTALL THE 2-WIRE PATH GROUNDING ROD PERPENDICULAR AND A MINIMUM OF EIGHT FEET (8'-0") FROM #TW-LA-1 LIGHTNING ARRESTOR AND 2-WIRE COMMUNICATION CABLE. DO NOT INSTALL IN THE SAME TRENCH AS THE 2-WIRE PATH COMMUNICATION CABLE (#TW-CAB-14). SEE DETAIL #22.

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

25 1" REMOTE CONTROL SCRUBBER VALVE W / RAINMASTER DECODER ON 2-WIRE PATH NTS



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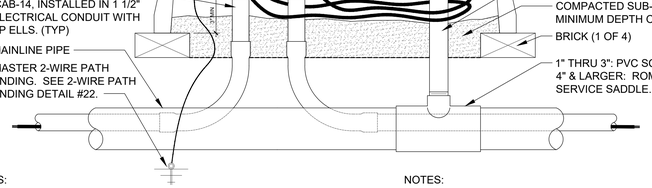
NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

27 2" REMOTE CONTROL SCRUBBER VALVE W / RAINMASTER DECODER ON 2-WIRE PATH NTS



NOTES:

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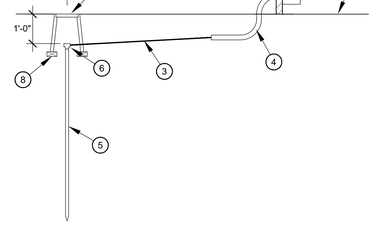
2. CONTRACTOR TO INSTALL IRRITROL PRESSURE REGULATING MODULE (OMR-100) FOR ALL VALVES.
3. INSTALL LINE SIZE HUNTER 150 MESH FILTER FOR ALL LOW FLOW BUBBLER AND FIXED POP-UP SPRAY VALVES IN SEPARATE VALVE BOX. SEE DETAIL #05.
4. INSTALL RAINMASTER #TW-LA-1 LIGHTNING ARRESTOR DEVICE NO FURTHER THAN 500 FEET FROM ANY DECODER. SEE DETAIL #22.
5. INSTALL THE 2-WIRE PATH GROUNDING ROD PERPENDICULAR AND A MINIMUM OF EIGHT FEET (8'-0") FROM #TW-LA-1 LIGHTNING ARRESTOR AND 2-WIRE COMMUNICATION CABLE. DO NOT INSTALL IN THE SAME TRENCH AS THE 2-WIRE PATH COMMUNICATION CABLE (#TW-CAB-14). SEE DETAIL #22.

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

26 1 1/2" REMOTE CONTROL SCRUBBER VALVE W / RAINMASTER DECODER ON 2-WIRE PATH NTS



LEGEND

1. CONTROLLER ASSEMBLY, TWO (2) REQ'D
2. IRRIGATION CONTROLLER BACK BOARD
3. SOLID BARE COPPER GROUNDING WIRE (#6 AWG) FROM IRRIGATION CONTROLLER TO GROUNDING ROD AND TO COPPER GROUNDING PLATE. MAKE WIRE RUNS AS STRAIGHT AS POSSIBLE.
4. 1" ELECTRICAL CONDUIT LONG SWEEP ELL
5. 5/8" X 8' LONG COPPER CLAD GROUNDING ROD.
6. CADWELD PLUS "ONE SHOT" - CADWELD CONNECTION #GT1161GPLUS, PERMANENT WELD OF BARE COPPER WIRES TO GROUNDING ROD.
7. 10" ROUND VALVE BOX WITH LID, APPLIED ENGINEERING #910L-1G2G
8. BRICKS, THREE (3) REQUIRED PER VALVE BOX.
9. FINISH GRADE

NOTE: SEE NEW REPLACEMENT IRRIGATION CONTROLLERS 'A1' & 'B1' DETAIL #29.
NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

28 CONTROLLER 'A1' and 'B1' GROUNDING DETAIL NTS

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LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — DAVID S. BIGLER — RLA # 3887 — 31 JULY 26

TETER, INC.
FRESNO HEADQUARTERS
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PROJECT NO.
22-12499

DRAWING
L403

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Landscape Architect #3887
1589 W Shaw Ave, #5
Fresno, California 93711
E Mail: davebigler @aol.com
Tel: (559) 276-9486
Fax: (559) 276-9497

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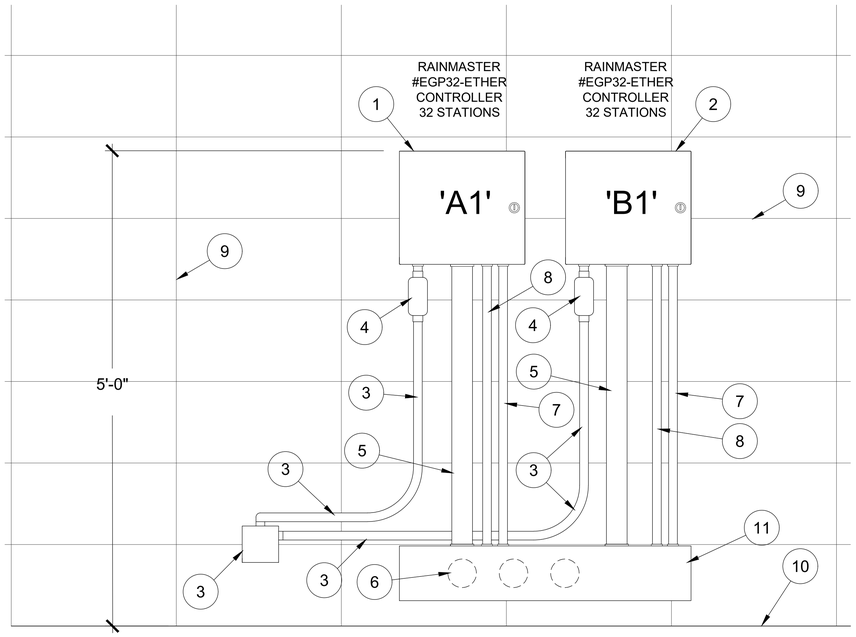

KEY NOTE DESCRIPTIONS

1. RAINMASTER EGP CONTROLLER 'A1': NEW 32 STATION CONTROLLER WITH PAINTED LOCKING METAL CABINET. SEE IRRIGATION LEGEND FOR ADDITIONAL INFORMATION.
2. RAINMASTER EGP CONTROLLER 'B1': NEW 32 STATION CONTROLLER WITH PAINTED LOCKING METAL CABINET. SEE IRRIGATION LEGEND FOR ADDITIONAL INFORMATION.
3. EXISTING 120 VOLT ELECTRICAL JUNCTION BOX TO BE REPLACED WITH NEW WATERPROOF ELECTRICAL JUNCTION BOX. CONTRACTOR IS TO MODIFY EXISTING 120 VOLT ELECTRICAL IMPROVEMENTS AS REQUIRED FOR THE TWO (2) NEW REPLACEMENT CONTROLLERS 'A1' AND 'B1'. ALL WORK IS TO COMPLY WITH CEC AND LOCAL ELECTRICAL CODES. CONTRACTOR IS TO MODIFY / REPLACE ALL EXISTING CONDUITS AND JUNCTION BOXES AS REQUIRED. CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
4. NEW ELECTRICAL CONDUIT AND JUCTION BOXES FOR ELECTRICAL POWER SUPPLY TO BE CONNECTED TO THE TWO (2) NEW CONTROLLERS. ALL WORK IS TO COMPLY WITH CEC AND LOCAL ELECTRICAL CODES. CONTRACTOR TO FIELD VERIFY.
5. NEW LOW VOLTAGE CONTROL WIRING ELECTRICAL CONDUIT (SIZE AS REQUIRED, 2" MIN. SIZE) FROM NEW CONTROL WIRING ELECTRICAL GUTTER WITH COVER TO THE TWO (2) NEW CONTROLLERS, INSTALL ADDITIONAL CONDUITS BETWEEN CONTROLLERS AND ELECTRICAL GUTTER AS REQUIRED. ALL WORK IS TO COMPLY WITH CEC AND LOCAL ELECTRICAL CODES. CONTRACTOR IS TO USE EXISTING CONDUITS THRU CMU BLOCK WALL AS REQUIRED TO EXTEND LOW VOLTAGE CONTROL WIRING OUTSIDE THE EXISTING MECHANICAL YARD. CONTRACTOR TO INSTALL NEW LOW VOLTAGE CONTROL WIRING THAT TRAVERSES THROUGH THE PROJECT AREA FROM THE IRRIGATION MAINLINE POINTS OF CONNECTION TO CONNECT WITH THE TWO (2) NEW REPLACEMENT CONTROLLERS. SEE NOTE #11. CONTRACTOR TO FIELD VERIFY.
6. THREE (3) EXISTING BLOCK WALL PENETRATION CONDUITS TO REMAIN AND PROTECT. INSTALL AN ELECTRICAL GUTTER TO COVER THE EXISTING BLOCK WALL PENETRATION CONDUITS AND SEAL ASSEMBLY WATER TIGHT AS REQUIRED. CONTRACTOR TO ROUTE NEW AND EXISTING LOW VOLTAGE CONTROL WIRING THROUGH THESE TO THE APPROPRIATE REPLACEMENT CONTROLLER. CONTRACTOR IS TO LEAVE SOME SLACK TO ALLOW FOR FUTURE ADJUSTMENTS. ALL WORK IS TO COMPLY WITH CEC AND LOCAL ELECTRICAL CODES. SEE NOTE #11. CONTRACTOR TO FIELD VERIFY.
7. NEW 1" CONTROLLER GROUNDING CONDUIT. SEE DETAIL #28 ON PLAN SHEET L403 FOR THE CONTROLLER GROUNDING REQUIREMENTS FOR EACH CONTROLLER. EACH CONTROLLER IS TO BE GROUNDED SEPARATELY.
8. NEW 1" CONDUIT FOR DATA (CAT 5) CABLE FOR INTERNET CONNECTION. CONTRACTOR IS TO INSTALL CONDUITS AND DISTRICT IS TO INSTALL DATA CABLE IN CONTRACTOR PROVIDED CONDUIT. CONTRACTOR IS TO MAKE FINAL CONNECTIONS IN THE CONTROLLER CABINETS. DISTRICT TO MAKE FINAL CONNECTIONS IN DISTRICT IDF. CONTACTOR IS TO INSTALL UP TO EIGHTY FEET (80'-0") OF CONDUIT WITHIN MECHANICAL YARD TO INSTALL DATA CABLES TO THE IRRIGATION CONTROLLERS, ONE PER CONTROLLER.
9. EXISTING MECHANICAL YARD BLOCK WALL TO REMAIN AND PROTECT. CONTRACTOR TO FIELD VERIFY.
10. FINISH FLOOR IN MECHANICAL YARD. CONTRACTOR TO FIELD VERIFY.
11. NEW PAINTED METAL WATERPROOF ELECTRICAL WIRING GUTTER (MIN. 6" SQUARE BY LENGTH AS REQUIRED) WITH REMOVABLE COVER THAT IS SECURELY FASTENED TO WALL (USE UNI-STRUTS, IF REQUIRED). NEW ELECTRICAL GUTTER IS TO ALLOW FOR MOVING LOW VOLTAGE CONTROL WIRING FROM ONE CONTROLLER TO ANOTHER AS REQUIRED AND TO ROUT NEW NETWORK DATA CABLES BETWEEN THE TWO (2) NEW REPLACEMENT CONTROLLERS. INSTALLATION IS TO BE ORGANIZED WITH PROFESSIONAL CRAFTSMANSHIP. CONTRACTOR TO FIELD VERIFY.

GROUNDING NOTE: CONTRACTOR IS TO INSTALL CONTROLLER GROUNDING FOR THE TWO (2) NEW CONTROLLERS AS REQUIRED. CONTROLLER GROUNDING IS TO MEET ALL MANUFACTURER REQUIREMENTS. CONTRACTOR TO FIELD VERIFY TO DETERMINE THE SCOPE OF WORK IN THE FIELD. SEE DETAIL #28 FOR ADDITIONAL INFORMATION.

NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS

29 NEW REPLACEMENT IRRIGATION CONTROLLERS 'A1' AND 'B1' DETAIL — NTS

30 NOT USED — NTS

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ABBREVIATIONS

ABBREVIATIONS: WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE NOTED. DRAWINGS OF OTHER DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL) MAY CONTAIN SPECIFIC ABBREVIATIONS, REFERENCES, AND LEGENDS WITH INTERPRETATION INTENDED ONLY FOR THOSE DISCIPLINES.

&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
Ø	DIAMETER OR ROUND
⊥	PERPENDICULAR
#	POUND OR NUMBER
(E)	EXISTING
(N)	NEW
ABV.	ABOVE
A/C	AIR CONDITIONING
ACP	ASPHALT CONCRETE PAVING
ACST.	ACOUSTICAL
A.C.T.	ACOUSTIC CEILING TILE
A.B.	ANCHOR BOLT
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	ADA ACCESSIBLE GUIDELINES
ADDL.	ADDITIONAL
ADJ.	ADJUSTABLE
ADJC.	ADJACENT
AESS.	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
AGG.	AGGREGATE
ALT.	ALTERNATE
ALUM.	ALUMINUM
ANOD.	ANODIZED
A.P.C.	ACOUSTIC PANEL CEILING
APPROX.	APPROXIMATE
ARCH.	ARCHITECT(URAL)
AV	AUDIO VISUAL
BD.	BOARD
BEL.	BELOW
B.E.N	BOUNDARY EDGE NAILING
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
BOT.	BOTTOM
BRG.	BEARING
BTWN.	BETWEEN
B.U.R.	BUILT-UP ROOF(ING)
C&G	CURB AND GUTTER
CAB.	CABINET
C.B.	CARRIAGE BOLT
CEM.	CEMENT
CER.	CERAMIC
C.F.	CUBIC FOOT
C.G.	CORNER GUARD
C.I.	CAST IRON
C.J.	CONSTRUCTION JOINT
C.L.	CENTER LINE
C.L.F.	CHAIN LINK FENCE
CLG.	CEILING
CLO.	CLOSET
CLR.	CLEAR
CL.RM.	CLASS ROOM
CMU	CONCRETE MASONRY UNIT
CTR.	COUNTER
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CPT.	CARPET
CRC	COLD ROLLED CHANNEL
CTR.	CENTER
CTSK.	COUNTERSUNK
C.Y.	CUBIC YARD
D.A.	DISABLED ACCESS
DBL.	DOUBLE
DEMO	DEMOLISH/ DEMOLITION
D.F.	DRINKING FOUNTAIN OR DOUGLAS FIR
DET.	DETAIL
DIAG.	DIAGONAL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
DP.	DEEP
DS	DOWN SPOUT
DWG.(S)	DRAWING
DWR.	DRAWER
E	EAST
EA.	EACH
E.F.	EXHAUST FAN
EGR.	ENGINEER
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL)
ELEV.	ELEVATOR
EMB.	EMBEDMENT
EMER.	EMERGENCY
E.N.	EDGE NAILING
ENCL.	ENCLOSURE
EQ.	EQUAL
EQUIP.	EQUIPMENT
EVAP.	EVAPORATIVE
E.W.	EACH WAY.
E.W.G.	END WALL GUARD
EXH.	EXHAUST
EXST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
FA.	FIRE ALARM
F.B.	FLAT BAR
F.B.O.	FURNISHED BY OWNER/OTHERS
F.D.	FLOOR DRAIN
F.D.C.	FIRE DEPARTMENT CONNECTION
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FACTORY FINISH
F.FLR.	FINISH FLOOR
F.G.	FINISH GRADE
F.H.	FIRE HYDRANT
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FIN.	FINISH
FIXT.	FIXTURE
FLR.	FLOOR(ING)
FLASH.	FLASHING
FLUOR.	FLUORESCENT
F.O.	FACE OF
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
FRP	FIBERGLASS REIN-FORCED PANELING
F.S.	FIRE SPRINKLER(S)
F.S.H.	FIRE SPRINKLER HEAD
FT.	FOOT/FEET
FURR.	FURRING
FUT.	FUTURE
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
G.C.	GENERAL CONTR.
GEN.	GENERAL
G.I.	GALVANIZED IRON
GL.	GLASS
GND.	GROUND
GR.	GRADE
GYP.	GYPSUM
H.B.	HOSE BIBB
HBD.	HARDBOARD
H.C.	HOLLOW CORE
HD.	HEAD
H.D.	HEAVY DUTY
HDR.	HEADER
HDW.	HARDWARE
HDWD.	HARDWOOD
H.M.	HOLLOW METAL
H.M.D.	HOLLOW METAL DOOR
H.M.F.	HOLLOW METAL FRAME
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
HVAC	HEATING/VENTIL-ATING/AIR COND-ITIONING
HWY	HIGH WAY
I.D.	INSIDE DIAMETER/ DIMENSION
INFO	INFORMATION
INSUL.	INSULATION
INT.	INTERIOR
JAN.	JANITOR
JT.	JOINT
KIT.	KITCHEN
K.O.	KNOCK OUT
K.O.P.	KNOCK OUT PANEL
LAB.	LABORATORY
LAM.	LAMINATE
LAV.	LAVATORY
LB(S)	POUND (POUNDS)
L.B.	LAG BOLT
L.F.	LINEAL FOOT
L.H.	LEFT HAND
LIB.	LIBRARY
LT.	LIGHT
LT.WT.	LIGHT WEIGHT
MACH.	MACHINE
MAINT.	MAINTENANCE
MAX.	MAXIMUM
M.B.	MACHINE BOLT
M.B.M.	METAL BUILDING MANUFACTURER
MECH.	MECHANICAL
MED.	MEDIUM
MEMB.	MEMBRANE
MET.	METAL
MFR.	MANUFACTURER
MH.	MANHOLE
MKR.	MARKER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
MTD.	MOUNTED
MTG.	MEETING
MULL.	MULLION
N	NORTH
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
N.R.C.	NOISE REDUCTION COEFFICIENT
N.T.S.	NOT TO SCALE
OCC.	OCCUPANT LOAD
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER/ DIMENSION
OFF.	OFFICE
OFCI	OWNER FURNISHED, CONTR. INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
O.F.R.D.	OVER FLOW ROOF DRAIN
O.H.	OPPOSITE HAND
O.H.C.D.	OVER HEAD COILING DOOR
O.H.M.S.	OVAL HEAD MACH. SCREW
O.H.W.S.	OVAL HEAD WOOD SCREW
OPNG.	OPENING
OPP.	OPPOSITE
O/	OVER
ORIG.	ORIGINAL
OVHD	OVER HEAD
OWJ	OPEN WEB JOIST
P.B.N.	PLYWOOD BOUNDARY NAILING
P.E.N.	PLYWOOD EDGE NAILING
P.E.S.	PLYWOOD EDGE SCREWS
P.I.V.	POST INDICATOR VALVE
P.LAM.	PLASTIC LAMINATE
P.L.	PROPERTY LINE
PL.	PLATE
PLAS.	PLASTER
PLYWD.	PLYWOOD
PR.	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT.	POINT
P.T.D.	PAPER TOWEL DISP.
P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
PTN.	PARTITION
PVC	POLYVINYL CHLORIDE
R.	RADIUS
R	THERMAL RESISTANCE
R.A.	RETURN AIR
R.D.	ROOF DRAIN
REFL.	REFLECTED
REFR.	REFRIGERATOR
REINF.	REINFORCED
REM.	REMOVE
REQD.	REQUIRED
RESIL.	RESILIENT
R.H.	RIGHT HAND
R.H.W.S.	ROUND HEAD WOOD SCREW
RM.	ROOM
R.O.	ROUGH OPENING
R.O.W.	RIGHT-OF-WAY
RWD.	REDWOOD
RWL	RAIN WATER LEADER
S	SOUTH
S.A.	SUPPLY AIR
S.C.	SOLID CORE
SCH.	SCHEDULE
S.D.	STORM DRAIN
SECT.	SECTION
SF	SQUARE FEET/FOOT
SHR.	SHOWER
SHTG.	SHEATHING
SIM.	SIMILAR
S.M.	SHEET METAL
S.O.G.	SLAB-ON-GRADE
SPEC(S).	SPECIFICATION(S)
SPKR.	SPEAKER
SQ.	SQUARE
S.S.	STAINLESS STEEL
STA.	STATION
STC	SOUND TRANS-MISSION CLASS
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
S.W.	SIDE WALK
SYM.	SYMMETRICAL
T.C.	TOP OF CONCRETE
TEMP.	TEMPORARY
TMPD.	TEMPERED
T&G	TONGUE AND GROOVE
THD.	THREADED
THK.	THICK
T.I.	TENANT IMPROVEMENT
TK.BD.	TACK BOARD
T.O.S.	TOP OF STEEL
T.P.	TOP OF PAVEMENT
TS	TUBE STEEL
TEL.	TELEPHONE
TTB	TELEPHONE TERM-INAL BACK BD.
TV	TELEVISION
TYP.	TYPICAL
U.G.	UNDERGROUND
U.N.O.	UNLESS NOTED OTHERWISE
UR.	URINAL
VCT	VINYL COMPOSITION TILE
VERT.	VERTICAL
VTR.	VENT TO ROOF
VWC	VINYL WALL COVERING
W	WEST OR WIDTH/WIDE
W/	WITH
W.C.	WATER CLOSET
W.CH.	WHEEL CHAIR
WD.	WOOD
WDW.	WINDOW
WF	WIDE FLANGE
W.H.	WATER HEATER
W/O	WITHOUT
W.P.	WATERPROOF
W.S.	WOOD SCREW
WT.	WEIGHT
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER

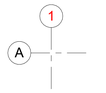
CODES AND ORGANIZATIONS

CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
CFC	CALIFORNIA FIRE CODE
CMC	CALIFORNIA MECHANICAL CODE
CPC	CALIFORNIA PLUMBING CODE
DSA	DIVISION OF THE STATE ARCHITECT
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
NSF	NATIONAL SANITATION FOUNDATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NEC	NATIONAL ELECTRICAL CODE

TYPICAL SYMBOLS

SYMBOLS

∠	ANGLE
Ø	DIAMETER OR ROUND
⊥	PERPENDICULAR
&	AND
@	AT
℄	CENTER LINE
#	POUND OR NUMBER



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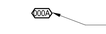


DOOR SYMBOL

DOOR REFERENCE

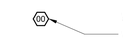
WINDOW SYMBOL

WINDOW REFERENCE

KEYNOTE SYMBOL

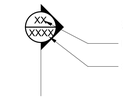
KEYNOTE REFERENCE, REFER TO KEYNOTE LIST ON SHEET

WORK POINT, CONTROL POINT OR DATUM POINT



WALL SYMBOL

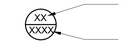
WALL REFERENCE



SECTION

LOCATION ON SHEET REFERENCED

SHEET NUMBER WHERE SECTION IS LOCATED



DETAIL

LOCATION ON SHEET REFERENCED

SHEET NUMBER WHERE DETAIL IS LOCATED

ROOM IDENTIFICATION

ROOM NAME

ROOM NUMBER

CEILING HEIGHT

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
LEGENDS AND ABBREVIATIONS

PROJECT NO.
22-12499

DRAWING
A000

PLOT DATE: 8/14/2026 10:42:36 AM

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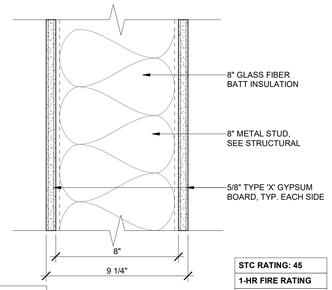
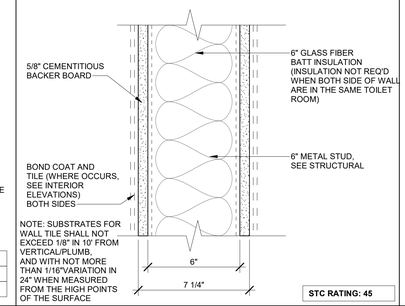
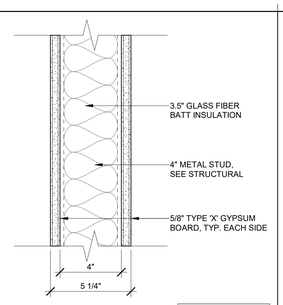


INT. WALL w/ GYP BD 3" = 1'-0" 8A



INT. WALL @ RESTROOM 3" = 1'-0" 6C



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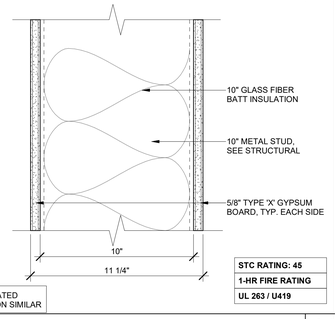

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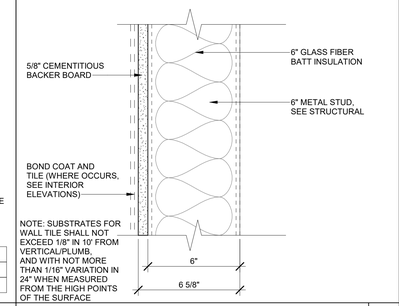

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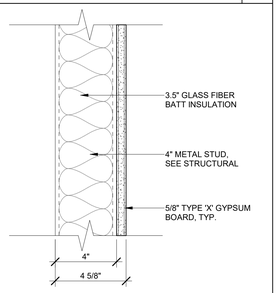
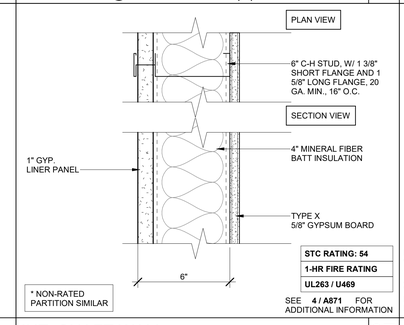
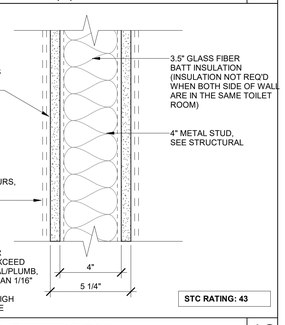


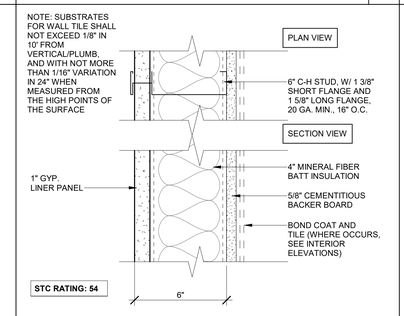
INT. WALL w/ GYP. (1) SIDE 3" = 1'-0" 4B



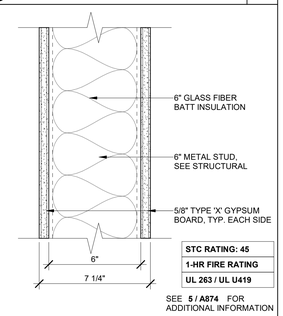
INT. SHAFT WALL 3" = 1'-0" 6E



INT. WALL @ RESTROOM 3" = 1'-0" 4C

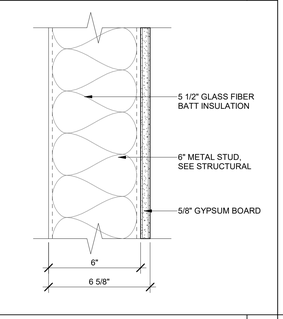


INT. SHAFT WALL @ RESTROOM 3" = 1'-0" 6F



INT. WALL w/ GYP. BD 3" = 1'-0" 6A

INT. WALL @ RESTROOM 3" = 1'-0" 6G



INT. WALL GYP (1) SIDE 3" = 1'-0" 6B

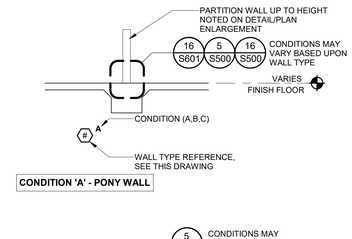
WALL HEIGHT TYPES

A. SEE DIMENSIONS AND FLOOR PLANS FOR MORE INFORMATION.

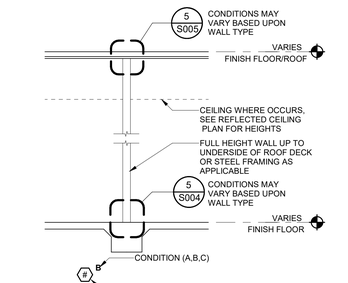
B. ALL INTERIOR WALLS ARE DIMENSIONED TO FACE OF STUD, U.N.O.

C. WALL TYPES SHOWN ARE BASIS OF DESIGN. SEE STRUCTURAL FOR ADDITIONAL INFORMATION.

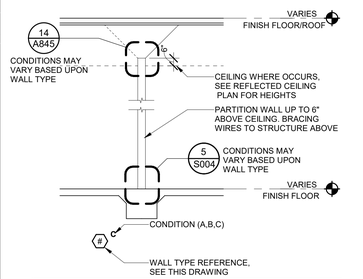
D. WALL TYPES ARE DRAWN AS VERTICAL SECTION OF WALL.



CONDITION 'A' - PONY WALL



CONDITION 'B' - INTERIOR WALL FULL HEIGHT TO STRUCTURE ABOVE



CONDITION 'C' - INTERIOR WALL BRACED TO STRUCTURE ABOVE

PARTITION TYPES N.T.S. 5

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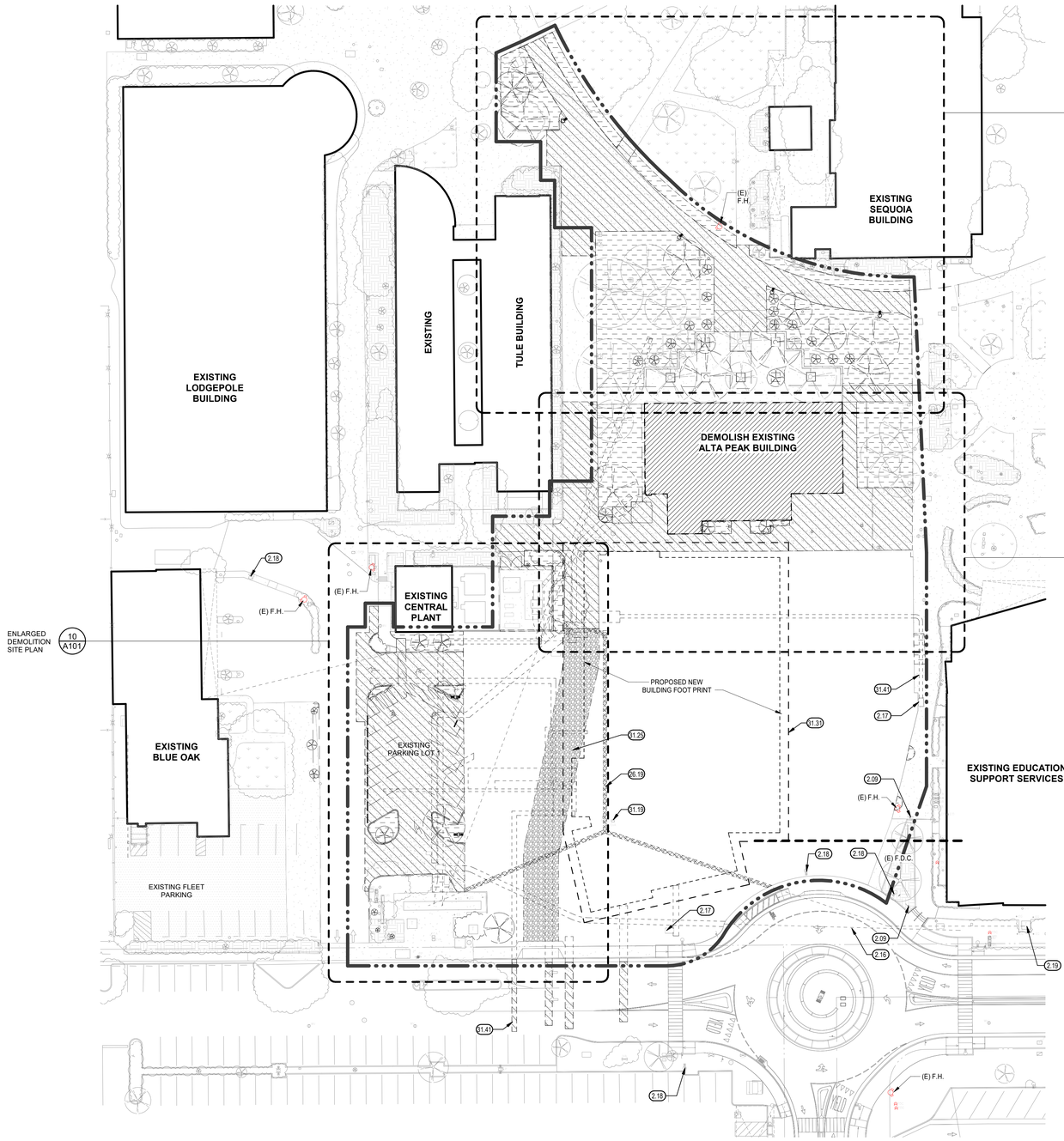
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WALL TYPES

PROJECT NO.
22-12499

DRAWING
A001



KEYNOTES

2.08	EXISTING SPEED BUMP TO REMAIN, SEE CIVIL
2.09	EXISTING ACCESSIBLE ROUTE SIGN TO REMAIN
2.16	EXISTING DUCTBANK TO REMAIN, SEE ELECTRICAL
2.17	EXISTING PULL BOX TO REMAIN, SEE ELECTRICAL
2.18	EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN, TYP. - SEE ELECTRICAL
2.19	EXISTING TRANSFORMER TO REMAIN, SEE ELECTRICAL
26.19	REMOVE EXISTING ELECTRICAL FEEDER, SEE ELECTRICAL
31.19	REMOVE EXISTING PULL BOX, SEE ELECTRICAL SHEET E100
31.25	REMOVE EXISTING ACCESS ROAD, SEE CIVIL
31.31	DASHED LINE INDICATES OVER-EXCAVATION, SEE GEOTECHNICAL REPORT
31.41	TRENCH FOR UNDERGROUND UTILITIES, PATCH/REPAIR SURFACE TO MATCH ADJACENT CONDITIONS, TYP. - SEE CIVIL, PLUMBING, AND ELECTRICAL FOR UTILITIES.

LEGEND

- EXISTING BUILDING TO REMAIN NOT INCLUDED IN SCOPE OF WORK
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING PLANTER
- EXISTING TURF
- REMOVE EXISTING BUILDING STRUCTURE, EQUIPMENT, AND FOUNDATIONS. REMOVE PORTION OF EXISTING UTILITIES UNDER PROPOSED SITE DEVELOPMENT. CAP EXISTING LINES BELOW GRADE AND OUTSIDE OF PROPOSED SITE DEVELOPMENT, COORDINATE WITH CIVIL
- REMOVE EXISTING TURF/PLANTER AREA. MODIFY EXISTING IRRIGATION SYSTEM LAYOUT AS REQUIRED TO ACCOMMODATE NEW BUILDING AND SITE IMPROVEMENTS, SEE LANDSCAPE AND CIVIL
- DEMOLITION EXISTING CONCRETE WALK/AC PAVING, CONCRETE TO BE REMOVED SHALL BE SAWCUT TO THE NEAREST EXISTING JOINT. AREA OF DEMOLITION. COORDINATE WITH CIVIL - CAP EXISTING UTILITIES BELOW GRADE
- (E) F.H. EXISTING FIRE HYDRANT TO REMAIN
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- AREA OF WORK IN SCOPE
- EXISTING PLANTING AND TREES, TO REMAIN
- REMOVE PLANTING AND TREES, SEE LANDSCAPE

GENERAL NOTES

A. KEYNOTES APPLY THIS DRAWING ONLY.

B. SEE CIVIL, LANDSCAPE, STRUCTURAL, ELECTRICAL, PLUMBING AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION; SCOPE MAY AFFECT AREAS NOT NOTED IN ARCHITECTURAL DRAWINGS.

C. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

D. PROPERTY DIMENSIONS AS SHOWN ARE BASED ON RECORD INFORMATION AND SHALL BE IN FIELD VERIFIED BY A PROPERTY SURVEYOR PRIOR TO CONSTRUCTION.

E. SITE SURVEYING AND STAKING FOR ENTIRE PROJECT TO BE THE RESPONSIBILITY OF THE CONTRACTOR, SEE CIVIL.

F. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & DEMOLISH AND/OR REMOVE FROM THE AREA OF THE PROJECT ALL STRUCTURES, BOTH SURFACE & SUBSURFACE, TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, & ALL OTHER MATTER DETERMINED TO BE DELETERIOUS BY THE PROJECT DOCUMENTATION. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

G. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ALL EXCAVATION AND TRENCHING SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF THE INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.

H. EXISTING UNDERGROUND UTILITIES & IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD & NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A), 1-800-642-2444.

NORTH

1" = 30'-0"

ENLARGED DEMOLITION - SITE PLAN

10

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED DEMOLITION - SITE PLAN

PROJECT NO.
22-12499

DRAWING
A100

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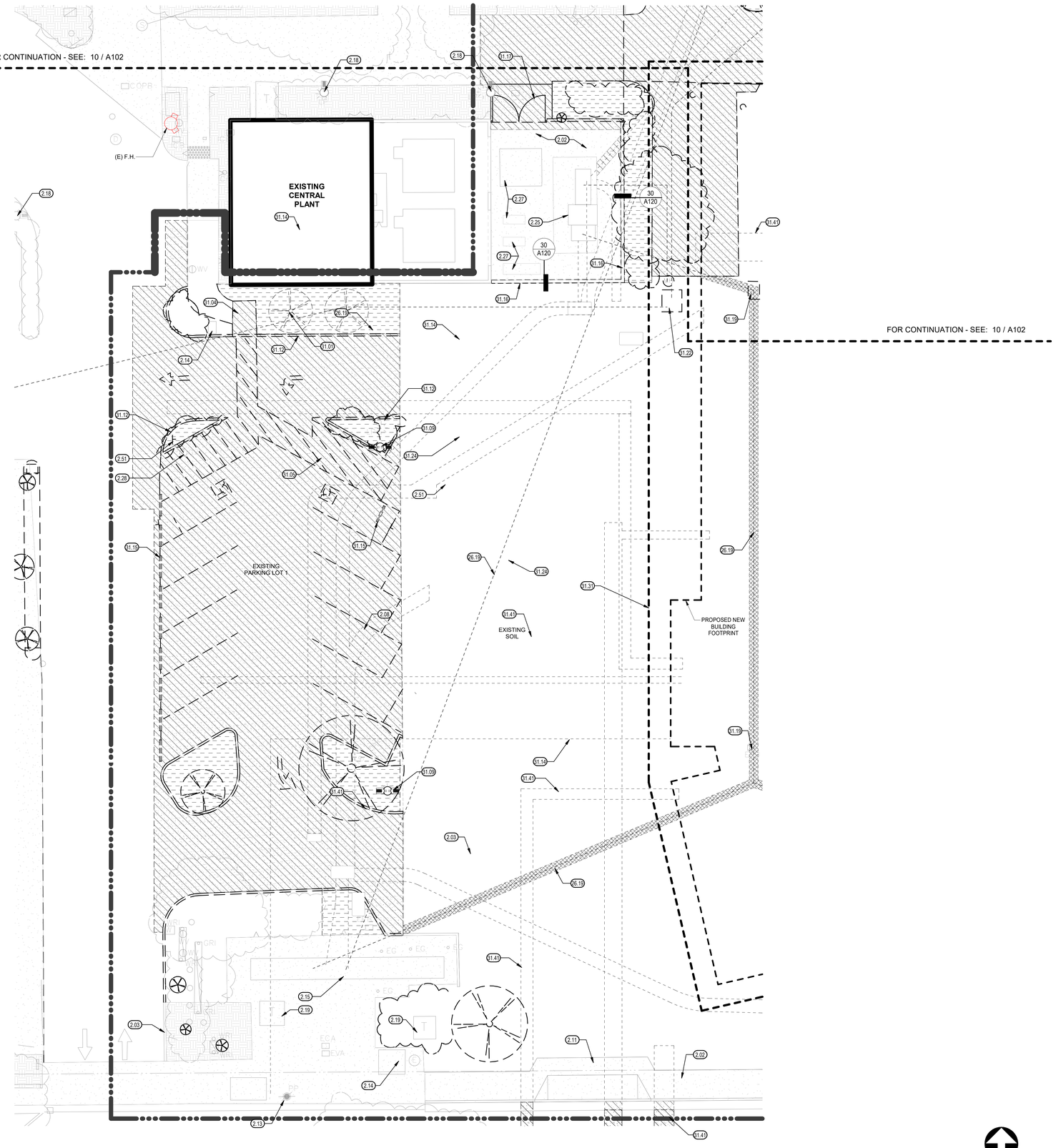

KEYNOTES

2.02	EXISTING CONCRETE PAVING/WALK
2.03	EXISTING CONCRETE CURB TO REMAIN, TYP. - SEE CIVIL
2.08	EXISTING SPEED BUMP TO REMAIN, SEE CIVIL
2.11	EXISTING DRIVE APPROACH
2.13	EXISTING POWER POLE TO REMAIN, SEE CIVIL
2.14	EXISTING ELECTRICAL VAULT, SEE ELECTRICAL
2.15	EXISTING PRIMARY ELECTRICAL SERVICE TO REMAIN, SEE ELECTRICAL
2.18	EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN, TYP. - SEE ELECTRICAL
2.19	EXISTING TRANSFORMER TO REMAIN, SEE ELECTRICAL
2.25	EXISTING ELECTRICAL EQUIPMENT TO REMAIN, SEE ELECTRICAL
2.27	EXISTING MECHANICAL EQUIPMENT TO REMAIN, TYP.
2.28	EXISTING UTILITY LIDS TO REMAIN. ADJUST LIDS/BOXES ARE REQUIRED FOR PROPOSED WORK, TYP.
2.51	REMOVE EXISTING POLE MOUNTED SIGN
26.19	REMOVE EXISTING ELECTRICAL FEEDER, SEE ELECTRICAL
31.01	REMOVE EXISTING TREE, SEE LANDSCAPE
31.04	REMOVE EXISTING CONCRETE PAVING, SEE CIVIL
31.05	REMOVE EXISTING AC PAVING, SEE CIVIL
31.09	REMOVE EXISTING POLE MOUNTED LIGHT FIXTURE, SEE CIVIL AND ELECTRICAL
31.12	REMOVE EXISTING CONCRETE CURB, SEE CIVIL
31.14	REMOVE EXISTING PAVEMENT MARKINGS (PAINT BLACK), TYP. - SEE CIVIL
31.15	REMOVE EXISTING CONCRETE WHEEL STOP, (TYP.)
31.16	REMOVE EXISTING WOOD FRAMED SCREEN WALL (ABOVE), 8" WIDE CONCRETE CURB TO REMAIN IN PLACE
31.17	REMOVE EXISTING GATE AND FOOTINGS BELOW
31.19	REMOVE EXISTING PULL BOX, SEE ELECTRICAL SHEET E100
31.22	REMOVE ELECTRICAL VAULT, SEE ELECTRICAL SHEET E100
31.24	REMOVE EXISTING PARKING STALL STRIPING (PAINT BLACK). PREPARE SURFACE FOR NEW PARKING STRIPING, TYP. - SEE CIVIL
31.31	DASHED LINE INDICATES OVER-EXCAVATION, SEE GEOTECHNICAL REPORT
31.41	TRENCH FOR UNDERGROUND UTILITIES, PATCH/REPAIR SURFACE TO MATCH ADJACENT CONDITIONS, TYP. - SEE CIVIL, PLUMBING, AND ELECTRICAL FOR UTILITIES.

LEGEND

- EXISTING BUILDING TO REMAIN NOT INCLUDED IN SCOPE OF WORK
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING PLANTER
- EXISTING TURF
- REMOVE EXISTING TURF/PLANTER AREA. MODIFY EXISTING IRRIGATION SYSTEM LAYOUT AS REQUIRED TO ACCOMMODATE NEW BUILDING AND SITE IMPROVEMENTS, SEE LANDSCAPE AND CIVIL
- REMOVE EXISTING CONCRETE WALK/AC PAVING, CONCRETE TO BE REMOVED SHALL BE SAWCUT TO THE NEAREST EXISTING JOINT. AREA OF DEMOLITION, COORDINATE WITH CIVIL - CAP EXISTING UTILITIES BELOW GRADE
- (E) F.H. EXISTING FIRE HYDRANT TO REMAIN
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- AREA OF WORK IN SCOPE
- EXISTING PLANTING AND TREES, TO REMAIN
- REMOVE PLANTING AND TREES, SEE LANDSCAPE

GENERAL NOTES

A. KEYNOTES APPLY THIS DRAWING ONLY.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED DEMOLITION - SITE PLAN

PROJECT NO.
22-12499

DRAWING
A101

PLOT DATE: 8/14/2026 10:42:50 AM

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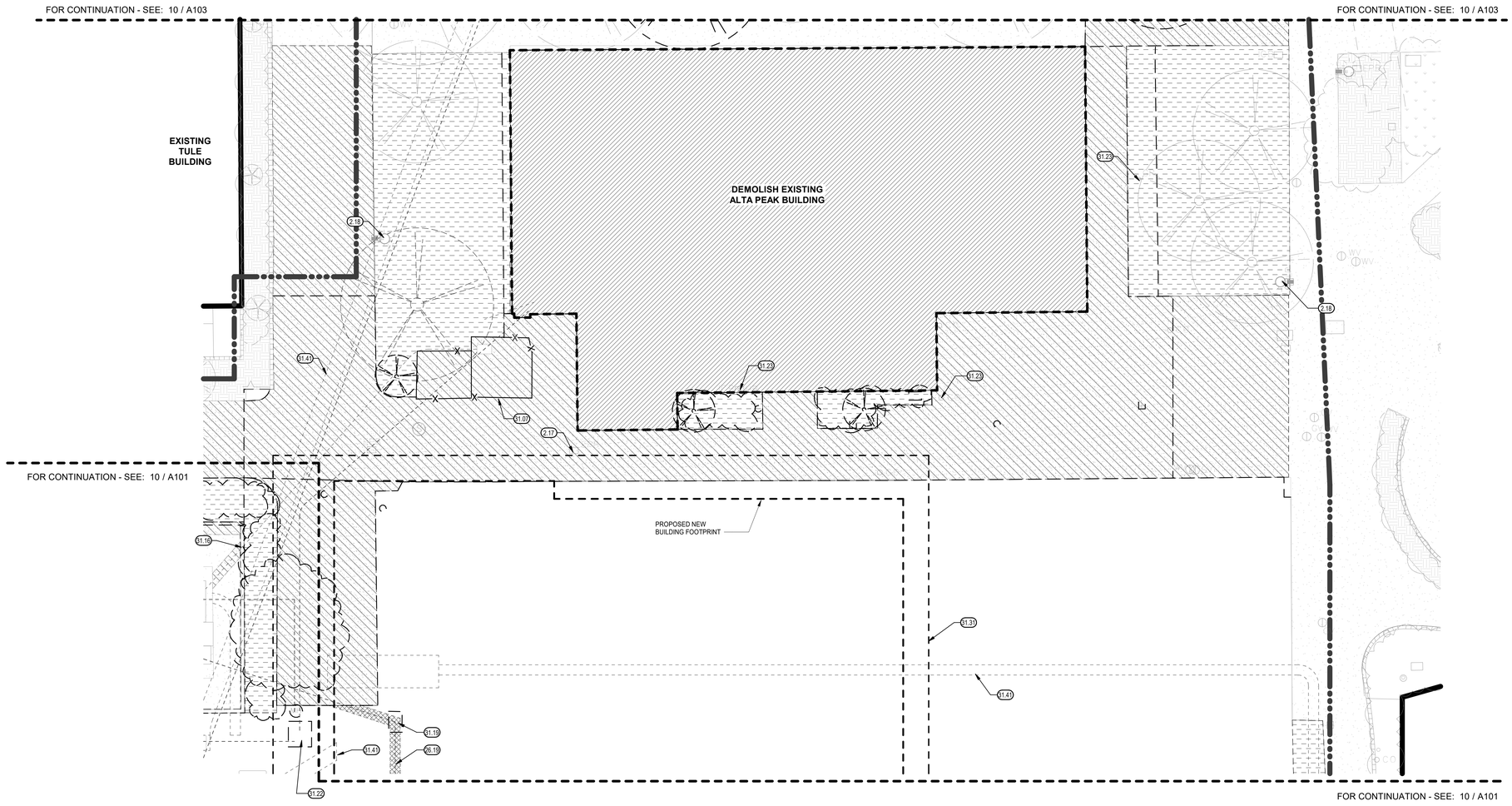
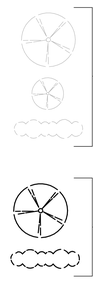


KEYNOTES

2.17	EXISTING PULL BOX TO REMAIN, SEE ELECTRICAL
2.18	EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN, TYP. - SEE ELECTRICAL
26.19	REMOVE EXISTING ELECTRICAL FEEDER, SEE ELECTRICAL
31.07	REMOVE EXISTING CHAIN LINK FENCING/GATE, SEE CIVIL
31.16	REMOVE EXISTING WOOD FRAMED SCREEN WALL (ABOVE), 8" WIDE CONCRETE CURB TO REMAIN IN PLACE
31.19	REMOVE EXISTING PULL BOX, SEE ELECTRICAL SHEET E100
31.22	REMOVE ELECTRICAL VAULT, SEE ELECTRICAL SHEET E100
31.23	REMOVE EXISTING UTILITIES, SEE LANDSCAPE AND CIVIL
31.31	DASHED LINE INDICATES OVER-EXCAVATION, SEE GEOTECHNICAL REPORT
31.41	TRENCH FOR UNDERGROUND UTILITIES, PATCH/REPAIR SURFACE TO MATCH ADJACENT CONDITIONS, TYP. - SEE CIVIL, PLUMBING, AND ELECTRICAL FOR UTILITIES.

LEGEND

- EXISTING BUILDING TO REMAIN NOT INCLUDED IN SCOPE OF WORK
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING PLANTER
- EXISTING TURF
- DEMOLISH EXISTING BUILDING STRUCTURE, EQUIPMENT, AND FOUNDATIONS. REMOVE PORTION OF EXISTING UTILITIES UNDER PROPOSED SITE DEVELOPMENT, CAP EXISTING LINES BELOW GRADE AND OUTSIDE OF PROPOSED SITE DEVELOPMENT, COORDINATE WITH CIVIL
- DEMOLITION EXISTING TURF/PLANTER AREA, MODIFY EXISTING IRRIGATION SYSTEM LAYOUT AS REQUIRED TO ACCOMMODATE NEW BUILDING AND SITE IMPROVEMENTS, SEE LANDSCAPE AND CIVIL
- DEMOLITION EXISTING CONCRETE WALK/AC PAVING, CONCRETE TO BE REMOVED SHALL BE SAWCUT TO THE NEAREST EXISTING JOINT. AREA OF DEMOLITION, COORDINATE WITH CIVIL - CAP EXISTING UTILITIES BELOW GRADE
- (E) F.H. EXISTING FIRE HYDRANT TO REMAIN
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- AREA OF WORK IN SCOPE



EXISTING PLANTING AND TREES, TO REMAIN

REMOVE PLANTING AND TREES, SEE LANDSCAPE

GENERAL NOTES

A. KEYNOTES APPLY THIS DRAWING ONLY.

B. SEE CIVIL, LANDSCAPE, STRUCTURAL, ELECTRICAL, PLUMBING AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION; SCOPE MAY AFFECT AREAS NOT NOTED IN ARCHITECTURAL DRAWINGS.

C. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

D. PROPERTY DIMENSIONS AS SHOWN ARE BASED ON RECORD INFORMATION AND SHALL BE IN FIELD VERIFIED BY A PROPERTY SURVEYOR PRIOR TO CONSTRUCTION.

E. SITE SURVEYING AND STAKING FOR ENTIRE PROJECT TO BE THE RESPONSIBILITY OF THE CONTRACTOR, SEE CIVIL.

F. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & DEMOLISH AND/OR REMOVE FROM THE AREA OF THE PROJECT ALL STRUCTURES, BOTH SURFACE & SUBSURFACE, TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, & ALL OTHER MATTER DETERMINED TO BE DELETERIOUS BY THE PROJECT DOCUMENTATION. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

G. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ALL EXCAVATION AND TRENCHING SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF THE INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.

H. EXISTING UNDERGROUND UTILITIES & IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD & NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.), 1-800-642-2444.

NORTH

ENLARGED DEMOLITION - SITE PLAN

1" = 10'-0" | 10

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

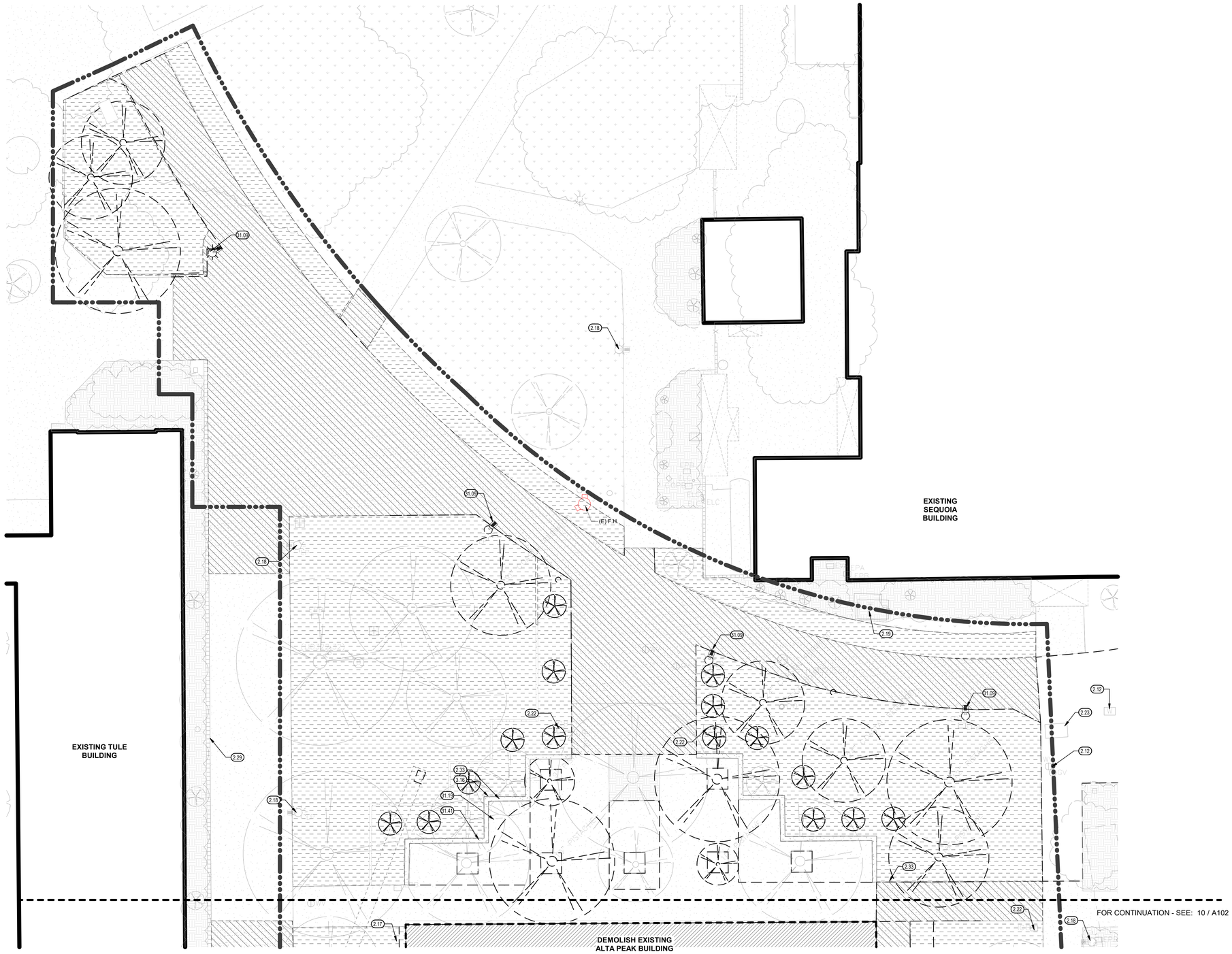
DRAWING TITLE
ENLARGED DEMOLITION - SITE PLAN

PROJECT NO.
22-12499

DRAWING
A102

PLOT DATE: 8/14/2026 10:42:54 AM

\\tetr-file1\Users\ryan.odom\Documents\12499-A-COS Student Union_ryan.odomNLB27.rvt



NORTH

1" = 10'-0"

KEYNOTES

2.12	EXISTING UTILITIES TO REMAIN, TYP. - SEE CIVIL
2.17	EXISTING PULL BOX TO REMAIN, SEE ELECTRICAL
2.18	EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN, TYP. - SEE ELECTRICAL
2.19	EXISTING TRANSFORMER TO REMAIN, SEE ELECTRICAL
2.22	EXISTING IRRIGATION CONTROL BOX TO REMAIN, TYP. - SEE LANDSCAPE
2.23	EXISTING COMMUNICATION VAULT, SEE ELECTRICAL
2.29	EXISTING PLANTER WALL TO REMAIN
2.33	EXISTING CONCRETE SEAT WALLS TO REMAIN.
3.16	CONCRETE SACK FINISH EXISTING CONCRETE SEATING WALL, ABRASIVE BLAST CLEAN AND PATCH PRIOR TO FINISHING
31.09	REMOVE EXISTING POLE MOUNTED LIGHT FIXTURE, SEE CIVIL AND ELECTRICAL
31.19	REMOVE EXISTING PULL BOX, SEE ELECTRICAL SHEET E100
31.41	TRENCH FOR UNDERGROUND UTILITIES, PATCH/REPAIR SURFACE TO MATCH ADJACENT CONDITIONS, TYP. - SEE CIVIL, PLUMBING, AND ELECTRICAL FOR UTILITIES.

LEGEND

- EXISTING BUILDING TO REMAIN NOT INCLUDED IN SCOPE OF WORK
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING PLANTER
- EXISTING TURF
- DEMOLISH EXISTING BUILDING STRUCTURE, EQUIPMENT, AND FOUNDATIONS. REMOVE PORTION OF EXISTING UTILITIES UNDER PROPOSED SITE DEVELOPMENT. CAP EXISTING LINES BELOW GRADE AND OUTSIDE OF PROPOSED SITE DEVELOPMENT, COORDINATE WITH CIVIL
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- (E) F.H. — EXISTING FIRE HYDRANT TO REMAIN
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- AREA OF WORK IN SCOPE
- EXISTING PLANTING AND TREES, TO REMAIN
- REMOVE PLANTING AND TREES, SEE LANDSCAPE

GENERAL NOTES

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED DEMOLITION - SITE PLAN

PROJECT NO.
22-12499

DRAWING
A103

PLOT DATE: 8/14/2026 10:42:59 AM

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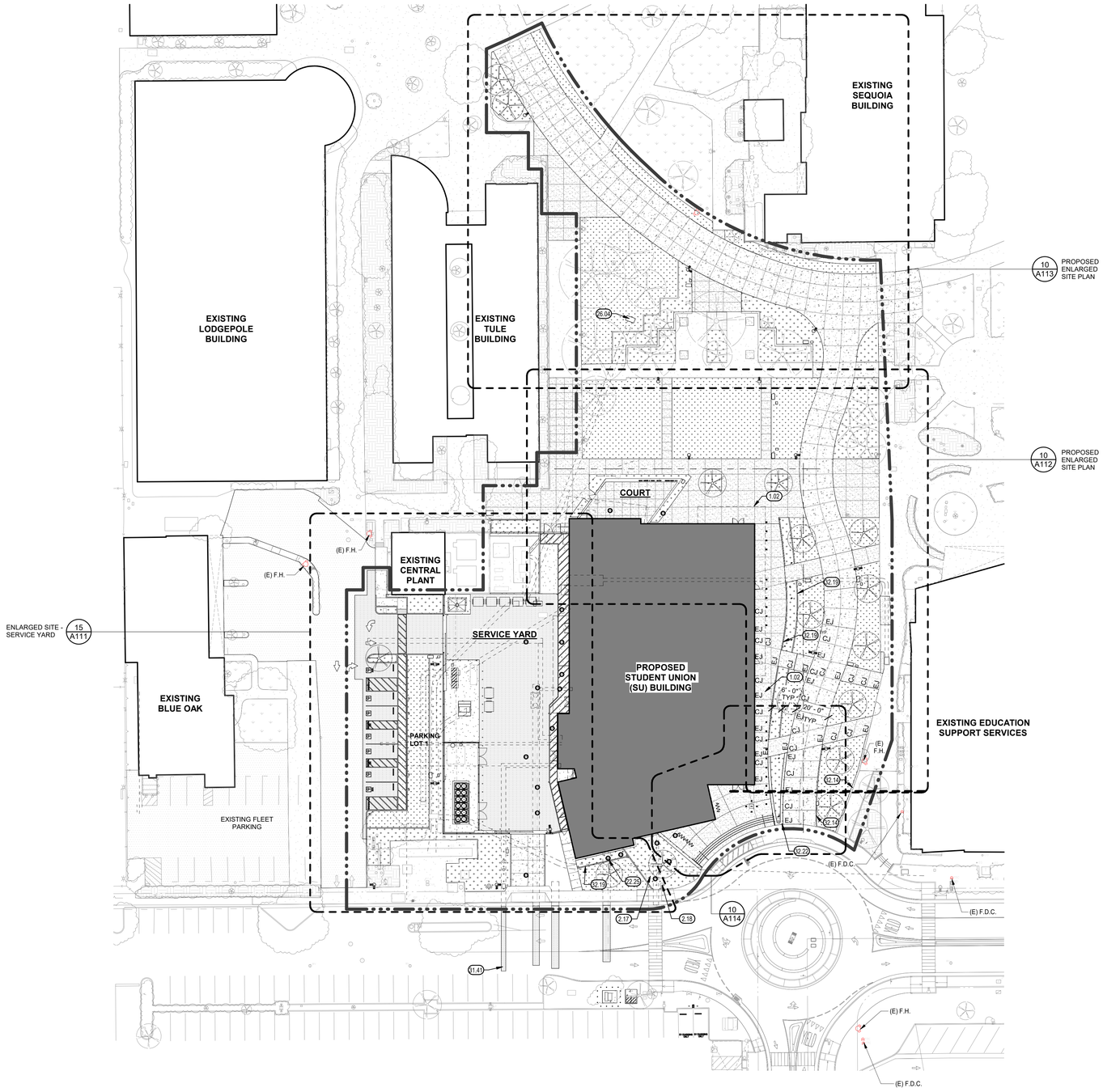

KEYNOTES

1.02	DASHED LINE INDICATES BUILDING/CANOPY ABOVE, TYP.
2.17	EXISTING PULL BOX TO REMAIN, SEE ELECTRICAL
2.18	EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN, TYP. - SEE ELECTRICAL
22.25	CLEANOUT TO GRADE, TYP. - SEE PLUMBING
26.04	PULL BOX, TYP. - SEE ELECTRICAL
31.41	TRENCH FOR UNDERGROUND UTILITIES, PATCH/REPAIR SURFACE TO MATCH ADJACENT CONDITIONS, TYP. - SEE CIVIL, PLUMBING, AND ELECTRICAL FOR UTILITIES.
32.14	CONCRETE CURB, TYP. - SEE CIVIL
32.19	6" WIDE CONCRETE MOWSTRIP, SEE CIVIL H / X101
32.22	CONCRETE SEATING WALL, SEE **2 / A120**

LEGEND

- EXISTING BUILDING TO REMAIN NOT INCLUDED IN SCOPE OF WORK
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING PLANTER
- EXISTING TURF
- PROPOSED STUDENT UNION (SU) BUILDING, UNDER THIS DSA APPLICATION
- CONCRETE PAVING, SEE CIVIL **A/X101**
- COLOR HEAVY DUTY CONCRETE PAVING, SEE CIVIL **B/X101**
- HEAVY DUTY ASPHALT PAVING, SEE CIVIL **C/X101**
- PLANTER AREA, SEE LANDSCAPE & CIVIL
- TURF, SEE LANDSCAPE
- NEW POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- TREE, SEE LANDSCAPE
- (E) F.H. EXISTING FIRE HYDRANT
- AREA OF WORK IN SCOPE

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL; SCOPE MAY AFFECT AREAS NOT NOTED IN ARCHITECTURAL DRAWINGS.

B. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.

C. FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BLDG. FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.

D. EXTERIOR CONC. LANDINGS AT DOORS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE TOP OF THE DOORWAY THRESHOLD, LANDINGS SHALL SLOPE NOT MORE THAN 1/4:12 IN ANY DIRECTION

E. REFER TO CIVIL, LANDSCAPE, PLUMBING & ELECTRICAL FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.

PROPOSED ENLARGED SITE PLAN

1" = 30'-0" | 10

PLOT DATE: 8/14/2026 10:43:09 AM

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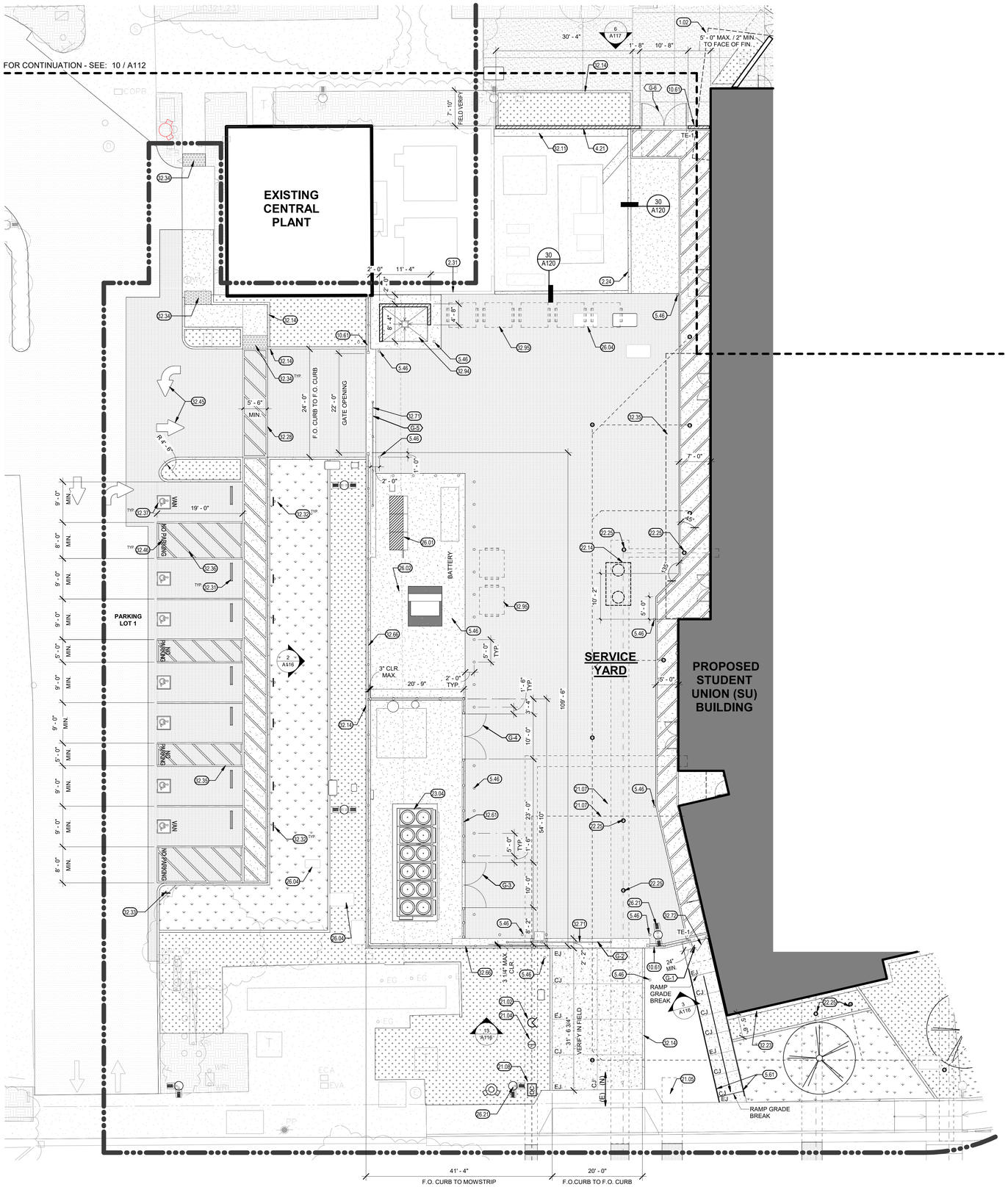
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA, 93277

DRAWING TITLE
ENLARGED PROPOSED - SITE PLAN

PROJECT NO.
22-12499

DRAWING
A110



KEYNOTES

1.02	DASHED LINE INDICATES BUILDING/CANOPY ABOVE, TYP.
2.24	EXISTING 8" WIDE CURB TO REMAIN
2.31	EXISTING 6" WALL TO REMAIN
4.21	8'-0" CMU BLOCK WALL SCORED PATTERN BOTH SIDES, SEE 20 / S500
5.46	STEEL PIPE BOLLARD WITH CONCRETE FILL, TYP. SEE **11 / A120**
5.61	HANDRAIL, TYP. SEE **28 / A120**
10.61	KNOX BOX, EMERGENCY SERVICES KEY STORAGE
21.02	FIRE DEPARTMENT CONNECTION, SEE CIVIL
21.04	POST INDICATOR VALVE, SEE CIVIL
21.05	FIRE HYDRANT, SEE CIVIL
21.07	FIRE LINE, SEE CIVIL
21.08	DOUBLE DETECTOR CHECK VALVE, SEE CIVIL
22.14	GREASE INTERCEPTOR, TYP. - SEE PLUMBING
22.25	CLEANOUT TO GRADE, TYP. - SEE PLUMBING **4 / P800**
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
26.01	MAIN SWITCHGEAR, SEE ELECTRICAL
26.02	TRANSFORMER, SEE ELECTRICAL
26.04	PULL BOX, TYP. - SEE ELECTRICAL
26.21	POLE MOUNTED LIGHT FIXTURE, TYP. - SEE ELECTRICAL
32.11	CONCRETE PAVING/WALK, SEE CIVIL
32.14	CONCRETE CURB, TYP. - SEE CIVIL
32.23	CONCRETE MOWSTRIP, SEE **17 / A122**
32.28	WHITE CROSS WALK MARKINGS, SEE CIVIL
32.31	CONCRETE WHEEL STOP, TYP. - SEE **G / X101**
32.32	ACCESSIBLE PARKING STALL SIGNAGE, SEE **5 / A120**
32.33	ACCESSIBLE PARKING LOT ENTRANCE SIGNAGE, SEE **4 / A120**
32.34	DETECTABLE WARNING SURFACE, SEE **L / X101**
32.35	PAVEMENT MARKING, 4" WIDE WHITE STRIPE, TYP.
32.36	ACCESSIBLE PARKING STALL ACCESS AISLE MARKING, 4" WIDE STRIPING, BLUE PERIMETER AND WHITE DIAGONAL STRIPING, 45 DEGREES, SPACED 36" O.C. MAX.
32.37	INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) PAINTED ON PAVEMENT, BLUE BACKGROUND WITH WHITE STRIPING, SEE **3 / A120**
32.45	DIRECTIONAL ARROWS PAVEMENT MARKINGS (TYP.), SEE CIVIL
32.46	12" HIGH "NO PARKING" LETTERING PAINTED IN WHITE LETTERS, TYP.
32.61	CHAIN LINK FENCING, 8'-0" FT HIGH, TYP. - SEE **1 / A121**
32.66	DECORATIVE METAL FENCING WITH PERFORATED METAL PANEL, 8'-0" FT HIGH, SEE **10 / A122**
32.71	DECORATIVE METAL ROLLING GATE, SEE **2 / A116** & **13 / A116**
32.72	ACCESSIBLE GATE WITH PANIC HARDWARE FOR EGRESS, SEE **3 / A116**
32.94	CAN WASH AREA, SEE **17 / A120**
32.95	TRASH BIN (TYP.) OFOI

LEGEND

- EXISTING BUILDING TO REMAIN NOT INCLUDED IN SCOPE OF WORK
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING PLANTER
- EXISTING TURF
- PROPOSED STUDENT UNION BUILDING, UNDER THIS DSA APPLICATION
- CONCRETE PAVING, SEE CIVIL **A / X101**
- COLOR HEAVY DUTY CONCRETE PAVING, SEE CIVIL **B / X101**
- HEAVY DUTY ASPHALT PAVING, SEE CIVIL **C / X101**
- PLANTER AREA, SEE LANDSCAPE & CIVIL
- TURF AREA, SEE LANDSCAPE
- (E) F.H. EXISTING FIRE HYDRANT
- NEW POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- AREA OF WORK IN SCOPE

GATE SCHEDULE

MARK	CLEAR WIDTH	HEIGHT	MATERIAL	FINISH	HARDWARE GROUP	DETAIL	REMARKS
G-1	3' - 6"	8' - 0"	DECORATIVE METAL	FF	G1	**3 / A116**	C
G-2	ROLLING 22' - 0"	8' - 0"	DECORATIVE METAL	FF	-	**13 / A116**	A
G-3	PAIR 10' - 0"	8' - 0"	CHAIN LINK	FF	G3	**7 / A121**	D
G-4	PAIR 10' - 0"	8' - 0"	CHAIN LINK	FF	G3	**7 / A121**	D
G-5	ROLLING 22' - 0"	8' - 0"	DECORATIVE METAL	FF	-	**2 / A116**	A
G-6	PAIR 9' - 6"	8' - 0"	DECORATIVE METAL	P	G2	**6 / A117**	B, C
G-7	3' - 4"	2'- 6"	DECORATIVE METAL	FF	G1	**8 / A117**	C

REMARKS:

A. FIRE ACCESS GATE. PROVIDE KNOX BOX PER LOCAL FIRE AUTHORITY
B. PROVIDE CENTER POST BETWEEN LEAF OF DOUBLE GATE
C. ACCESSIBLE PEDESTRIAN GATE INGRESS AND EGRESS GATE, PROVIDE PANIC HARDWARE
D. MAINTENANCE SERVICE GATE

ABBREVIATION:

FF = FACTORY FINISH
P = PAINT

GATE HARDWARE:

HW SET: G1

1	EA.	PANIC HARDWARE	AXLD 98L 996L-WP 4'	626	VON
1	EA.	RIM CYLINDER	20-057-ICX	626	SCH
1	EA.	PRIMUS CYLINDER	20-740	626	SCH

HW SET: G2

1	EA.	PANIC HARDWARE	AXLD 98EO-WP 4'	626	VON
1	EA.	RIM CYLINDER	20-057-ICX	626	SCH
1	EA.	PRIMUS CYLINDER	20-740	626	SCH

HW SET: G3

GATE HARDWARE PER SPECIFICATION AND DETAILS INDICATED IN GATE SCHEDULE

GENERAL NOTES

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C. FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BLDG. FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.

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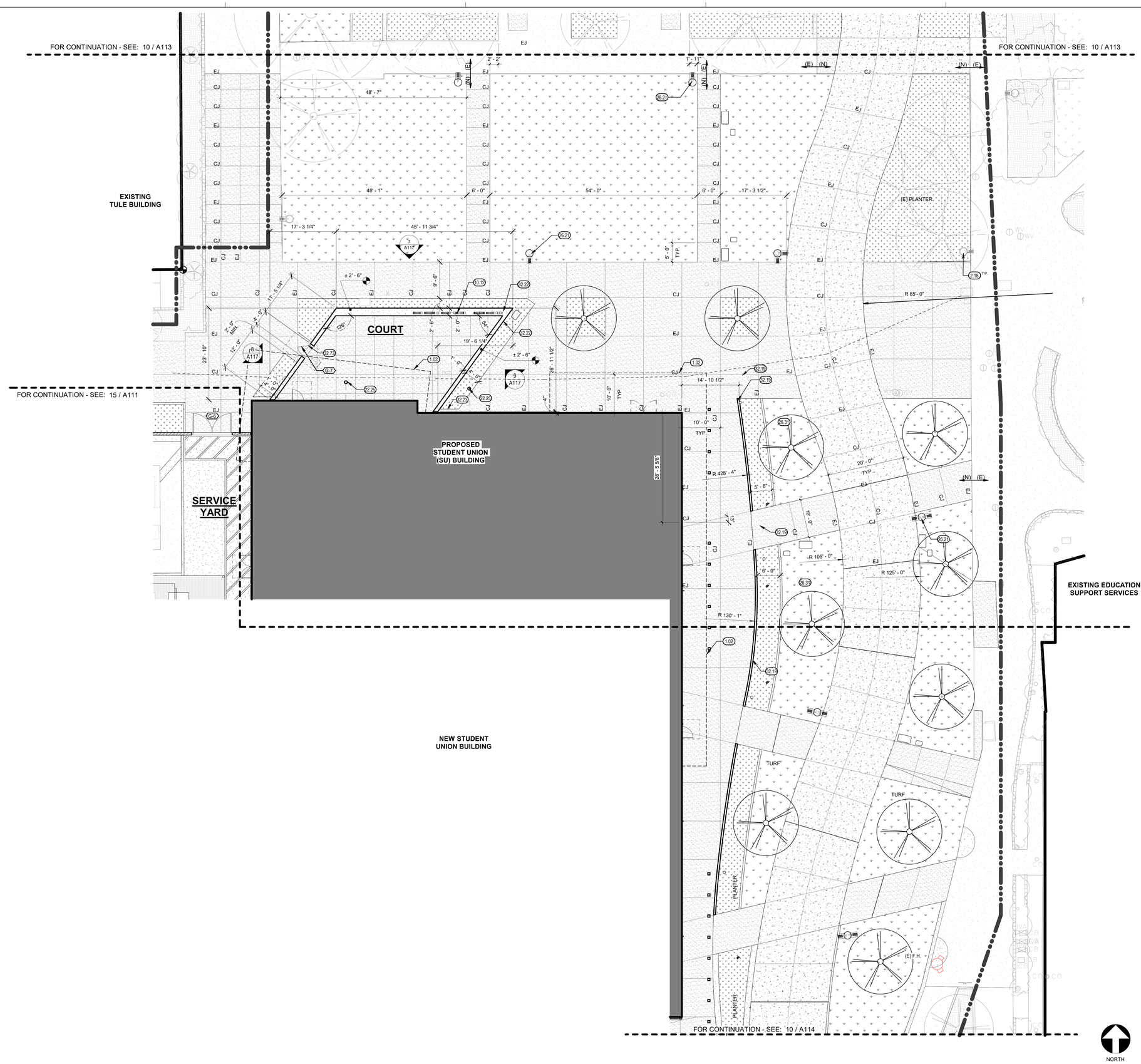
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED PROPOSED SITE - SERVICE YARD

PROJECT NO.
22-12499

DRAWING
A111



KEYNOTES

1.02	DASHED LINE INDICATES BUILDING/CANOPY ABOVE, TYP.
2.18	EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN, TYP. - SEE ELECTRICAL
10.12	DIMENSIONAL LETTER CHARACTER SIGNAGE FOR ANCHORAGE, SEE **25 / A120**
22.25	CLEANOUT TO GRADE, TYP. - SEE PLUMBING
26.21	POLE MOUNTED LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.31	IN-GROUND LIGHT FIXTURE (TYP.), SEE ELECTRICAL
32.19	6" WIDE CONCRETE MOWSTRIP, SEE CIVIL
32.22	CONCRETE SEATING WALL, SEE **2 / A120**
32.23	CONCRETE MOWSTRIP, SEE **17 / A122**
32.73	3'-4" X 6'-0" ACCESSIBLE GATE WITH PANIC HARDWARE FOR EGRESS, SEE **7 / A117**

LEGEND

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- EXISTING PLANTER
- EXISTING TURF
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- COLOR HEAVY DUTY CONCRETE PAVING, SEE CIVIL **B/X101**
- PLANTER AREA, SEE LANDSCAPE & CIVIL
- TURF AREA, SEE LANDSCAPE
- (E) F.H. EXISTING FIRE HYDRANT
- NEW POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
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C. FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BLDG. FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.

D. EXTERIOR CONC. LANDINGS AT DOORS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE TOP OF THE DOORWAY THRESHOLD, LANDINGS SHALL SLOPE NOT MORE THAN 1/4:12 IN ANY DIRECTION

E. REFER TO CIVIL, LANDSCAPE, PLUMBING & ELECTRICAL FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.

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B	08-14-26	DSA BACKCHECK

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED PROPOSED - SITE PLAN

PROJECT NO.
22-12499

DRAWING
A112

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PLOT DATE: 8/14/2026 10:43:23 AM

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KEYNOTES

2.33	EXISTING CONCRETE SEAT WALLS TO REMAIN.
3.16	CONCRETE SACK FINISH EXISTING CONCRETE SEATING WALL, ABRASIVE BLAST CLEAN AND PATCH PRIOR TO FINISHING
26.04	PULL BOX, TYP. - SEE ELECTRICAL
26.21	POLE MOUNTED LIGHT FIXTURE, TYP. - SEE ELECTRICAL
32.12	PATCH CONCRETE PAVING TO MATCH EXISTING, SEE CIVIL A/X101 AND D/X101
32.19	6" WIDE CONCRETE MOWSTRIP, SEE CIVIL

LEGEND

- EXISTING BUILDING TO REMAIN NOT INCLUDED IN SCOPE OF WORK
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING PLANTER
- EXISTING TURF
- PROPOSED STUDENT UNION BUILDING, UNDER THIS DSA APPLICATION
- CONCRETE PAVING, SEE CIVIL **A/X101**
- COLOR HEAVY DUTY CONCRETE PAVING, SEE CIVIL **B/X101**
- PLANTER AREA, SEE LANDSCAPE & CIVIL
- TURF AREA, SEE LANDSCAPE
- (E) F.H. EXISTING FIRE HYDRANT
- NEW POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- TREE, SEE LANDSCAPE
- AREA OF WORK IN SCOPE

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL; SCOPE MAY AFFECT AREAS NOT NOTED IN ARCHITECTURAL DRAWINGS.

B. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.

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E. REFER TO CIVIL, LANDSCAPE, PLUMBING & ELECTRICAL FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.

NORTH

PROPOSED ENLARGED SITE PLAN

1" = 10'-0"

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED PROPOSED - SITE PLAN

PROJECT NO.
22-12499

DRAWING
A113

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KEYNOTES

1.02	DASHED LINE INDICATES BUILDING/CANOPY ABOVE, TYP.
2.18	EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN, TYP. - SEE ELECTRICAL
5.09	WIDE FLANGE COLUMN, SEE STRUCTURAL
5.54	NON-SLIP METAL STAIR NOSING WITH CONTRASTING COLOR STRIPE AT EACH STEP, SEE **15 / A120**
5.61	HANDRAIL, TYP. SEE **14 / A120**
26.31	IN-GROUND LIGHT FIXTURE (TYP.), SEE ELECTRICAL
32.14	CONCRETE CURB, TYP. - SEE CIVIL
32.22	CONCRETE SEATING WALL, SEE **2 / A120**
32.24	CONCRETE STAIR/STEPS, SEE **14 / A120**
32.75	BICYCLE RACK, SEE **9 / A120**
32.96	STAINLESS STEEL SKATEBOARD DETERRENTS, TYP. SEE **2 / A120**
32.97	ACCESSIBLE ROUTE SIGN, SEE **10 / A120**

LEGEND

- EXISTING PLANTER
- EXISTING ASPHALT PAVING
- PROPOSED STUDENT UNION BUILDING, UNDER THIS DSA APPLICATION
- CONCRETE PAVING, SEE CIVIL **A/X101**
- COLOR HEAVY DUTY CONCRETE PAVING, SEE CIVIL **B/X101**
- PLANTER AREA, SEE LANDSCAPE & CIVIL
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- AREA OF WORK IN SCOPE
- ACCESSIBLE ROUTE

BICYCLE PARKING ANALYSIS FOR NEW BUILDING

NUMBER OF PARKING SPACES REQUIRED (PER CGBSC 5-106.4.2)
(8) BICYCLE RACK SPACES
(2) STAFF BICYCLE SPACES

ACTUAL NUMBER OF PARKING SPACES PROVIDED:
(2) BICYCLE RACKS W/ (3) BIKES PER SIDE = (12) BIKE CAPACITY > (8) REQUIRED (OKAY)

(1) PERMANENTLY ANCHORED BICYCLE RACK W/ (3) STAFF BICYCLE SPACES CAPACITY > (2) REQUIRED (OKAY)

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. SCOPE MAY AFFECT AREAS NOT NOTED IN ARCHITECTURAL DRAWINGS.

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ENLARGED SITE - CONCRETE STEPS

1/4" = 1'-0" | 10

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED PROPOSED SITE - CONCRETE STEPS

PROJECT NO.
22-12499

DRAWING
A114

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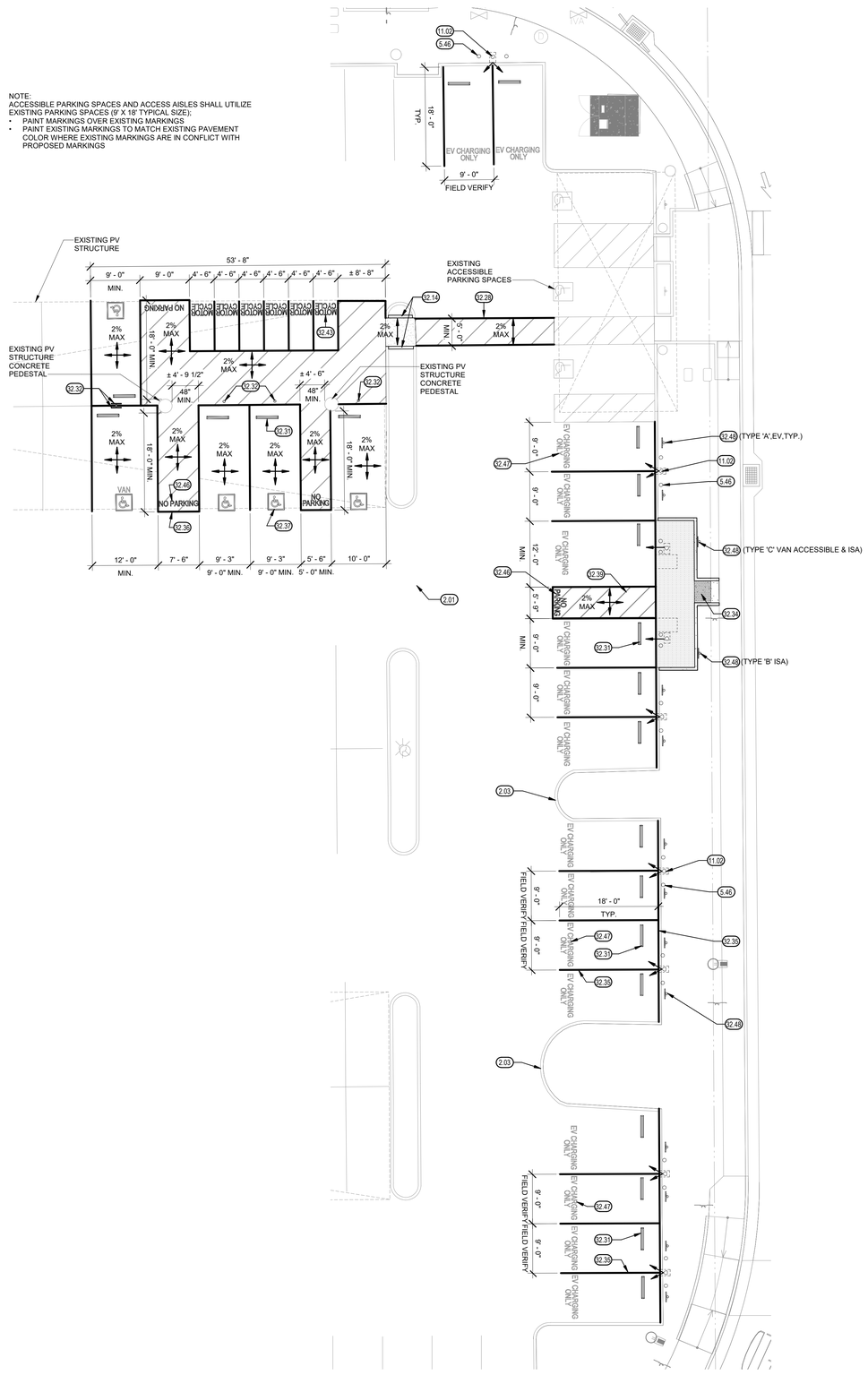
NOTE:
ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL UTILIZE EXISTING PARKING SPACES (9' X 18' TYPICAL SIZE);
- PAINT MARKINGS OVER EXISTING MARKINGS
- PAINT EXISTING MARKINGS TO MATCH EXISTING PAVEMENT COLOR WHERE EXISTING MARKINGS ARE IN CONFLICT WITH PROPOSED MARKINGS



NORTH

KEYNOTES

2.01	EXISTING AC PAVING
2.03	EXISTING CONCRETE CURB TO REMAIN, TYP. - SEE CIVIL
5.46	STEEL PIPE BOLLARD WITH CONCRETE FILL, TYP. SEE **11 / A120**
11.02	ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE), TYP. SEE ELECTRICAL
32.14	CONCRETE CURB, TYP. - SEE CIVIL
32.28	WHITE CROSS WALK MARKINGS, SEE CIVIL
32.31	CONCRETE WHEEL STOP, TYP. - SEE **G/X101**
32.32	ACCESSIBLE PARKING STALL SIGNAGE, SEE **5 / A120**
32.34	DETECTABLE WARNING SURFACE, SEE **L/X101**
32.35	PAVEMENT MARKING, 4" WIDE WHITE STRIPE, TYP.
32.36	ACCESSIBLE PARKING STALL ACCESS AISLE MARKING, 4" WIDE STRIPING, BLUE PERIMETER AND WHITE DIAGONAL STRIPING, 45 DEGREES, SPACED 36" O.C. MAX.
32.37	INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) PAINTED ON PAVEMENT, BLUE BACKGROUND WITH WHITE STRIPING, SEE **3 / A120**
32.39	ACCESSIBLE EV CHARGING STALL ACCESS AISLE MARKING, 4" WIDE STRIPING, WHITE PERIMETER AND WHITE DIAGONAL STRIPING, 45 DEGREES, SPACED 36" O.C. MAX.
32.43	12" HIGH "MOTORCYCLE" LETTERING PAINTED IN WHITE LETTERS, TYP.
32.46	12" HIGH "NO PARKING" LETTERING PAINTED IN WHITE LETTERS, TYP.
32.47	12" HIGH "EV CHARGING ONLY" LETTERING PAINTED IN WHITE LETTERS, TYP.
32.48	ELECTRIC VEHICLE CHARGING STATION SIGNAGE, TYP. SEE **18 / A120**

LEGEND

- EXISTING PLANTER
- EXISTING ASPHALT PAVING
- PROPOSED STUDENT UNION BUILDING, UNDER THIS DSA APPLICATION
- CONCRETE PAVING, SEE CIVIL **A/X101**
- COLOR HEAVY DUTY CONCRETE PAVING, SEE CIVIL **B/X101**
- PLANTER AREA, SEE LANDSCAPE & CIVIL
- EXISTING POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- AREA OF WORK IN SCOPE
- ACCESSIBLE ROUTE

GENERAL NOTES

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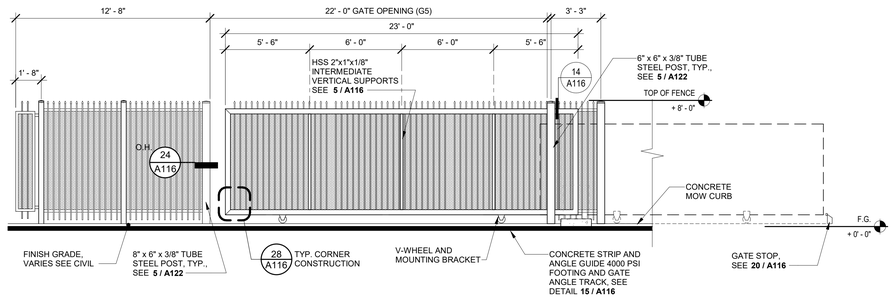
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

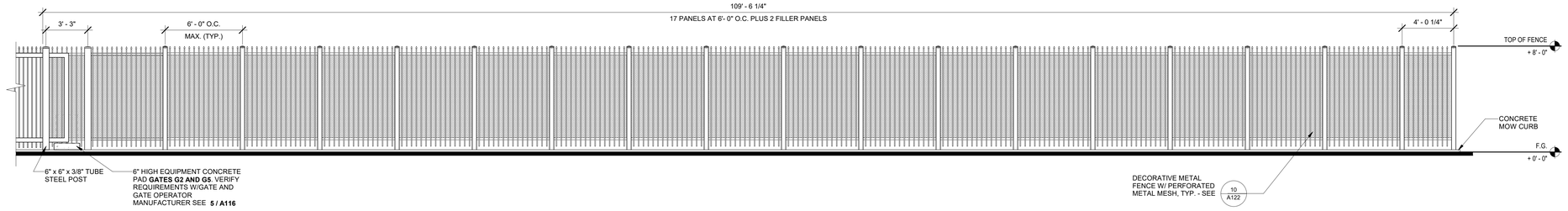
PROJECT NO.
22-12499

DRAWING TITLE
ENLARGED PROPOSED - SITE PLAN

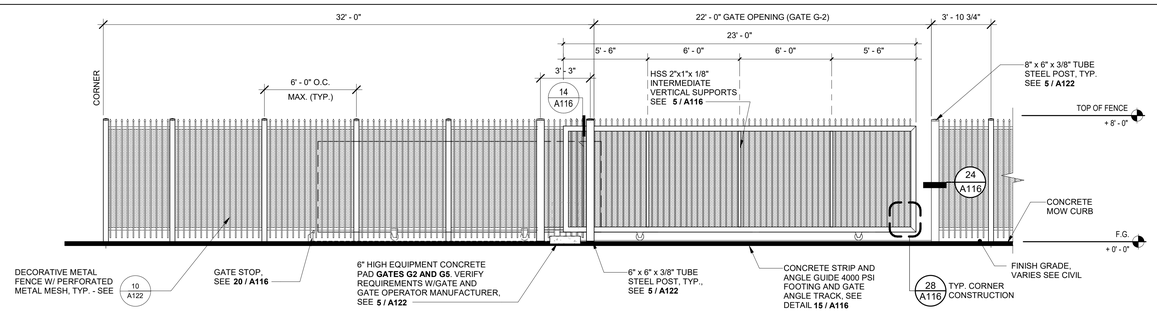
DRAWING
A115

PLOT DATE: 8/14/2026 10:43:39 AM

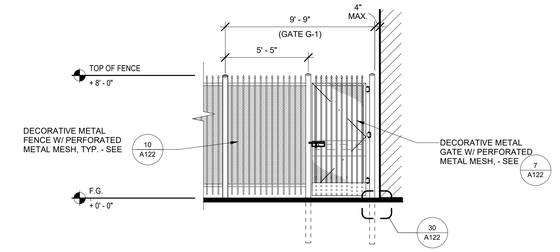




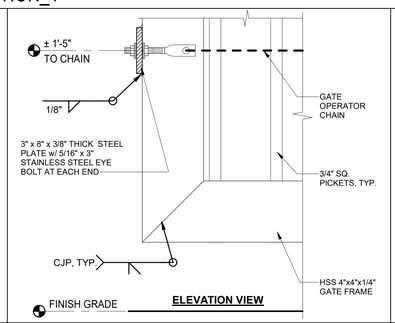
DECORATIVE METAL FENCE - WEST ELEVATION — 1/4" = 1'-0" | 2



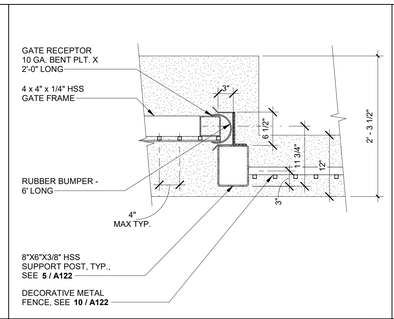
DECORATIVE METAL FENCE - SOUTH ELEVATION_1 — 1/4" = 1'-0" | 13



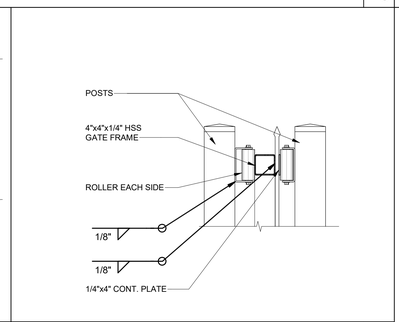
DECORATIVE METAL FENCE - SOUTH ELEVATION_2 — 1/4" = 1'-0" | 3



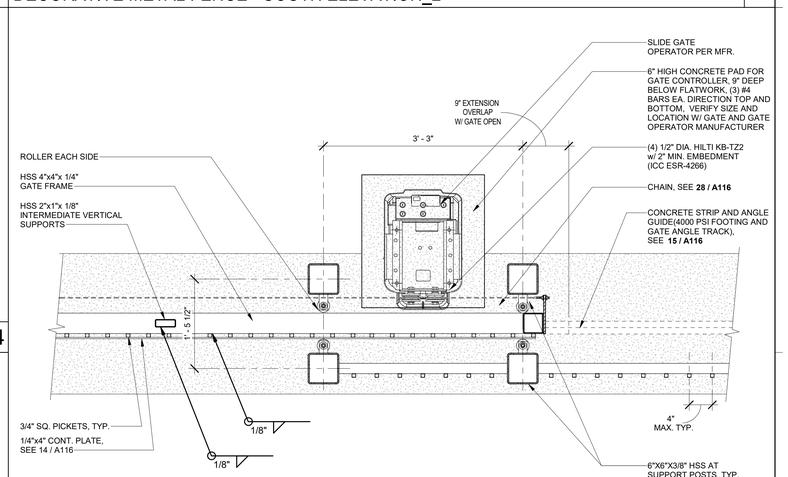
SLIDING GATE CHAIN ATTACHMENT — 3" = 1'-0" | 28



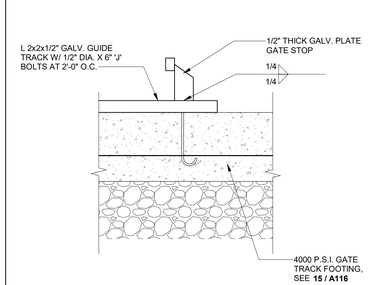
ROLLING GATE RECEPTOR — 1" = 1'-0" | 24



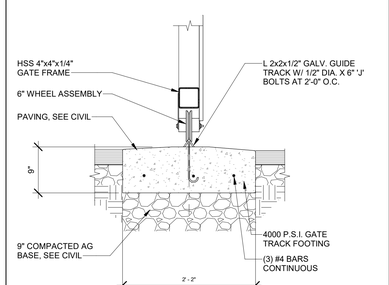
GUIDE ROLLER AT GATE — 1" = 1'-0" | 14



DECORATIVE GATE OPERATOR — 1" = 1'-0" | 5



GATE STOP — N.T.S. | 20



DECORATIVE GATE GUIDE TRACK — 1" = 1'-0" | 15

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SITE ELEVATIONS - DECORATIVE METAL FENCE

PROJECT NO.
22-12499

DRAWING
A116

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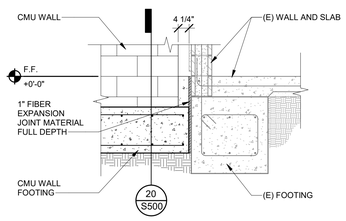
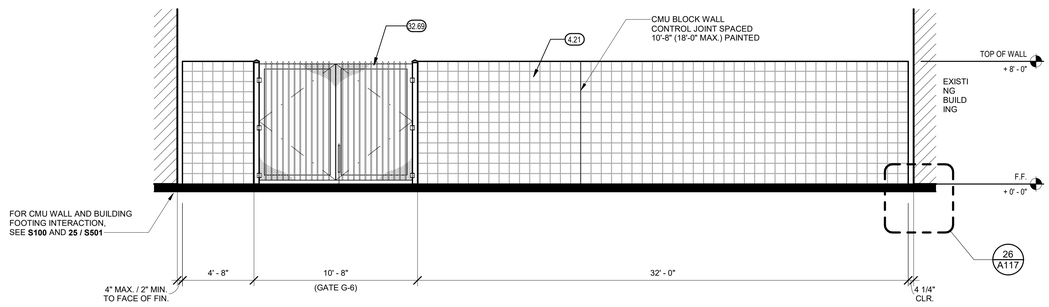
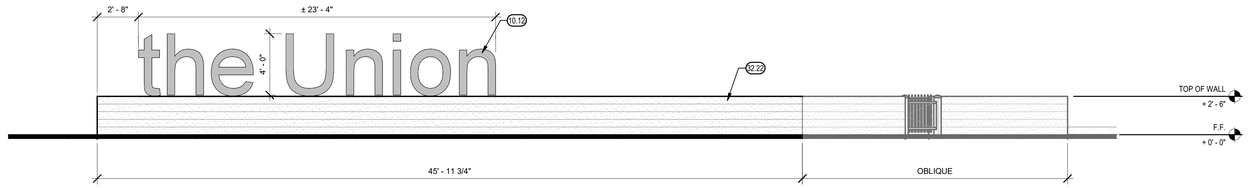


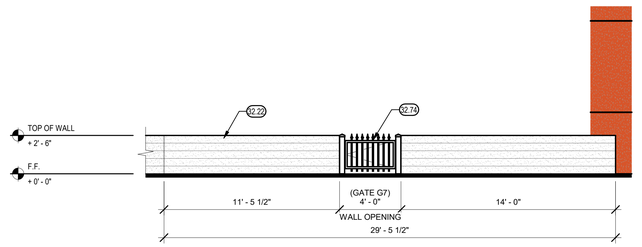
CMU WALL AT (E) BUILDING 1/2" = 1'-0" | 26



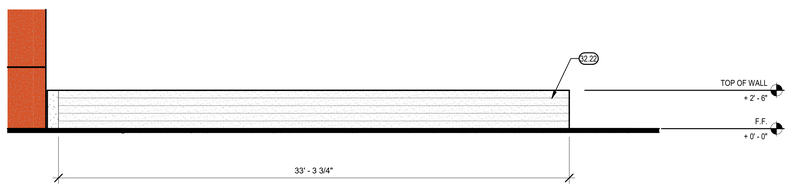
CMU WALL ELEVATION - NORTH 1/4" = 1'-0" | 6



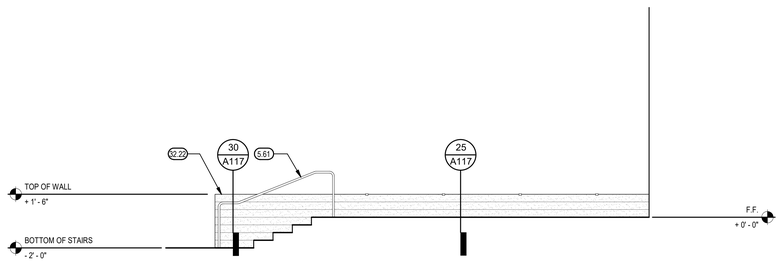
COURT EXTERIOR ELEVATION - NORTH 1/4" = 1'-0" | 7



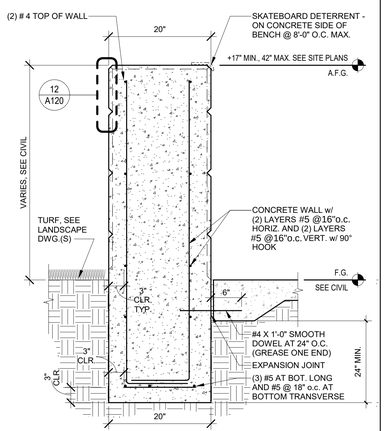
COURT EXTERIOR ELEVATION - WEST 1/4" = 1'-0" | 8



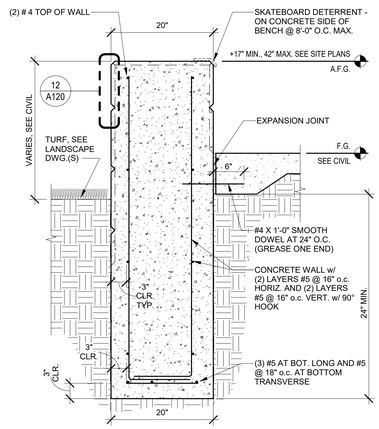
COURT EXTERIOR ELEVATION - EAST 1/4" = 1'-0" | 9



ENTRANCE SEAT WALL 1/4" = 1'-0" | 10



ENTRANCE SEATING WALL - SECTION 1" = 1'-0" | 30



ENTRANCE SEATING WALL - SECTION 1" = 1'-0" | 25

PLOT DATE: 8/14/2026 10:43:49 AM

KEYNOTES

4.21	8'-0" CMU BLOCK WALL SCORED PATTERN BOTH SIDES, SEE 20 / SS00
5.61	HANDRAIL, TYP. SEE **14 / A120**
10.12	DIMENSIONAL LETTER CHARACTER SIGNAGE FOR ANCHORAGE, SEE **25 / A120**
32.22	CONCRETE SEATING WALL, SEE **2 / A120**
32.69	PAIR OF DECORATIVE METAL SWING SERVICE GATES, SEE **18 / A122**
32.74	3'-4" X 2'-6" ACCESSIBLE GATE WITH PANIC HARDWARE FOR EGRESS, SEE **7 / A122**

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DRAWING TITLE
SITE ELEVATIONS

PROJECT NO.
22-12499

DRAWING
A117

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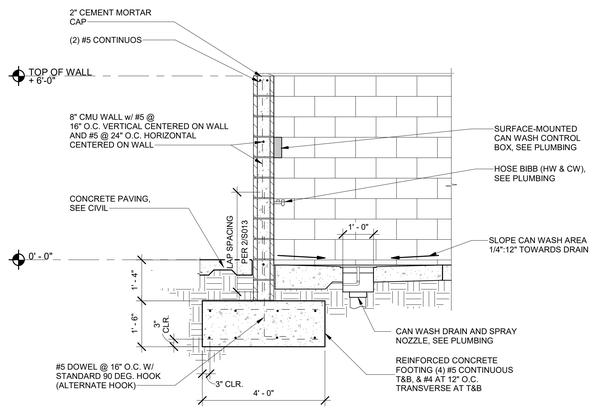
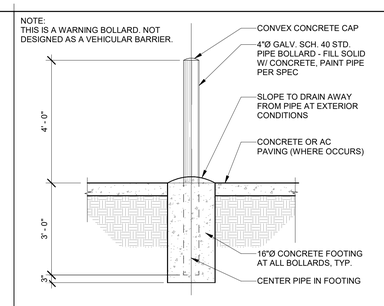
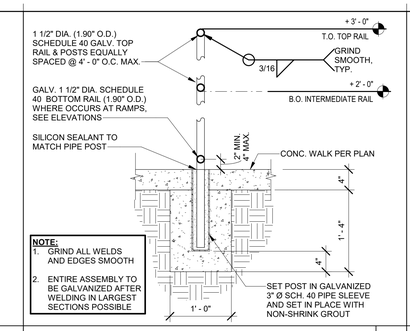
MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK



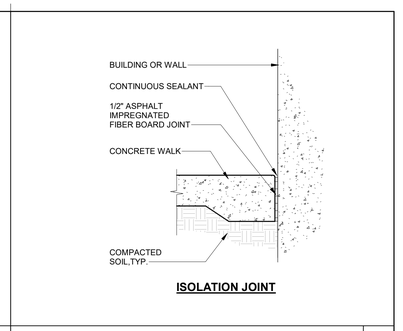
CAN WASH SECTION
1/2" = 1'-0" | 17



PIPE BOLLARD
1/2" = 1'-0" | 11

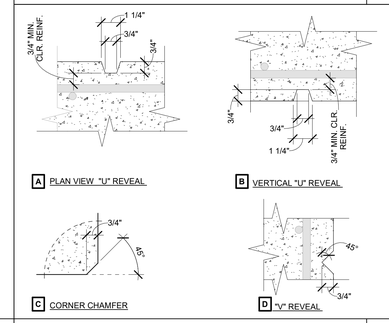


TYPICAL HANDRAIL AND FOOTING
1" = 1'-0" | 6

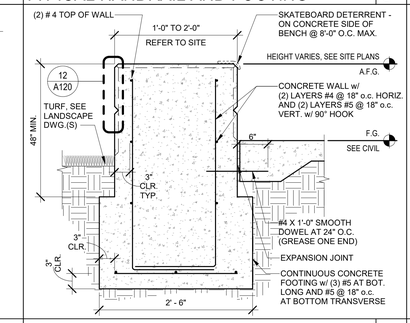


ISOLATION JOINT

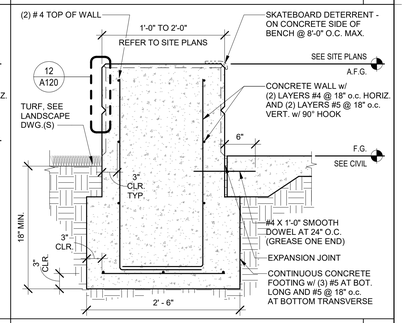
TYPICAL ISOLATION JOINT
1 1/2" = 1'-0" | 1



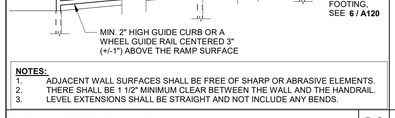
CONCRETE WALL REVEALS
3" = 1'-0" | 12



SEATING WALL - SECTION
7

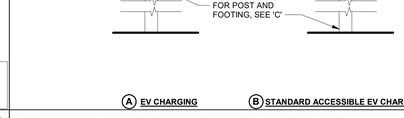


SEATING WALL - SECTION
2

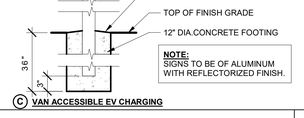


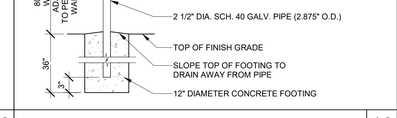
NOTES:
1. ADJACENT WALL SURFACES SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.
2. THERE SHALL BE 1 1/2" MINIMUM CLEAR BETWEEN THE WALL AND THE HANDRAIL.
3. LEVEL EXTENSIONS SHALL BE STRAIGHT AND NOT INCLUDE ANY BENDS.

RAMP HANDRAIL
1/2" = 1'-0" | 28



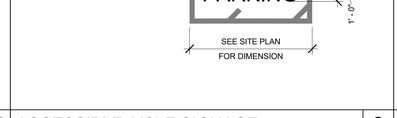
ELECTRIC VEHICLE PARKING SIGNAGE
1" = 1'-0" | 18



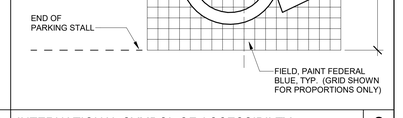


NOTES:
1. SIZE: NUMBER OF BIKES / SIZE OF RACK PER SPECIFICATIONS AND / OR DRAWINGS, SEE **10 / A114**
2. CONFIRM / VERIFY DIMENSIONS w/ MANUFACTURER

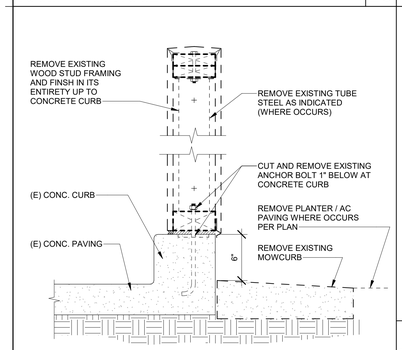
MOTORCYCLE SIGN
1" = 1'-0" | 13



ACCESSIBLE AISLE SIGNAGE
1/4" = 1'-0" | 8

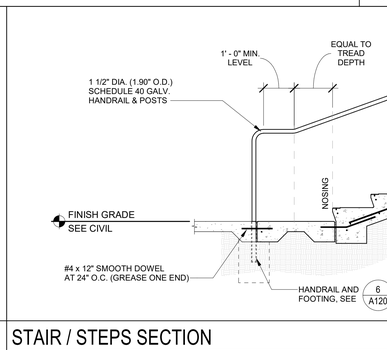


INTERNATIONAL SYMBOL OF ACCESSIBILTY
1 1/2" = 1'-0" | 3

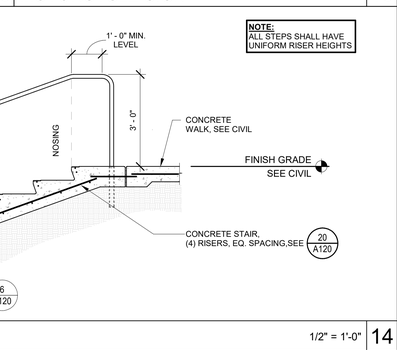


(E) CONCRETE CURB
1 1/2" = 1'-0" | 30

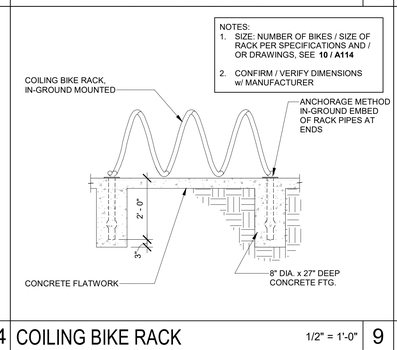
DIMENSIONAL LETTER ANCHORAGE
1 1/2" = 1'-0" | 25



TYPICAL CONCRETE STAIR/STEPS
1" = 1'-0" | 20

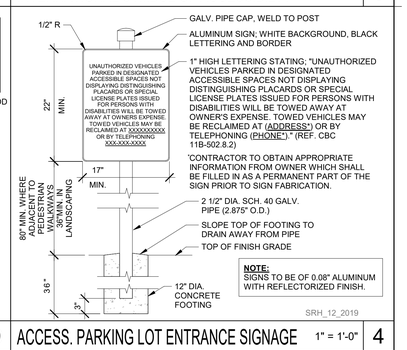


STAIR/STEPS TREAD & NOSING
3" = 1'-0" | 15



NOTES:
1. SIGNS TO BE OF 0.08" ALUMINUM WITH REFLECTORIZED FINISH.

ACCESSIBLE ROUTE - SIGN
1" = 1'-0" | 10



ACCESS. PARKING STALL SIGN
1" = 1'-0" | 5

STAIR / STEPS SECTION
1/2" = 1'-0" | 14

COILING BIKE RACK
1/2" = 1'-0" | 9

ACCESS. PARKING LOT ENTRANCE SIGNAGE
1" = 1'-0" | 4

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

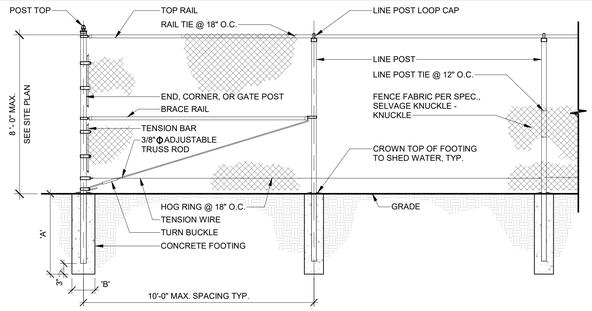
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SITE DETAILS

PROJECT NO.
22-12499

DRAWING
A120

PLOT DATE: 8/14/2026 10:43:54 AM



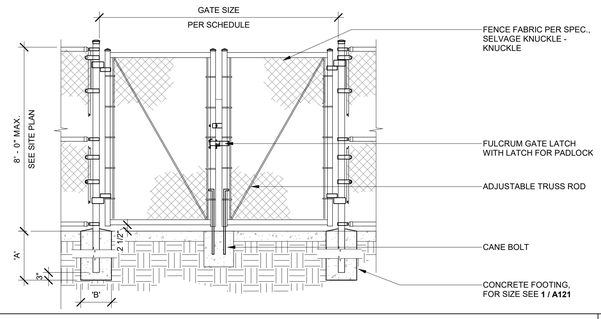
CHAIN LINK FENCE POST & FOOTING SIZES

6'-0" TALL CHAIN LINK FENCE	MEMBER SIZE:	'A'	'B'
LINE POSTS 10'-0" O.C. MAX.	1.90" Φ O.D. 2.72 PLF	48"	12"Φ
CORNER AND END POST	2.375" Φ O.D. 3.85 PLF	48"	12"Φ
GATE POST FOR LEAF TO 6'-0" WIDE	2.875"Φ O.D. 5.79 PLF	54"	18"Φ
GATE POST FOR LEAF 6'-0" TO 10'-0" WIDE	4.00" Φ O.D. 9.11 PLF	54"	24"Φ
TOP AND BRACE RAILS	1.66" Φ O.D. 2.27 PLF	--	--

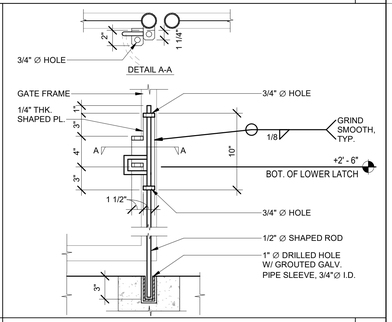
4'-0" TALL CHAIN LINK FENCE	MEMBER SIZE:	'A'	'B'
LINE POSTS 10'-0" O.C. MAX.	1.90" Φ O.D. 2.72 PLF	48"	10"Φ
CORNER AND END POST	2.375" Φ O.D. 3.85 PLF	48"	10"Φ

8'-0" TALL CHAIN LINK FENCE	MEMBER SIZE:	'A'	'B'
LINE POSTS 10'-0" O.C. MAX.	1.90"Ø O.D. 2.72 PLF	48"	18"Ø
CORNER AND END POST	2.375"Ø O.D. 3.65 PLF	48"	18"Ø
GATE POST FOR LEAF TO 6'-0" TO 10'-0" WIDE	4.00"Ø O.D. 9.11 PLF	54"	24"Ø
TOP AND BRACE RAILS	1.66"Ø O.D. 2.27 PLF	--	--

CHAIN LINK FENCING 1/2" = 1'-0" 1



PAIR OF CHAIN LINK MAINTENANCE GATES 1/2" = 1'-0" 7



CHAIN LINK GATE - CANE BOLT 1 1/2" = 1'-0" 2

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ARCHITECTS ENGINEERS CONNECTED

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DRAWING TITLE
SITE DETAILS - CHAIN LINK FENCE

PROJECT NO.
22-12499

DRAWING
A121

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PLOT DATE: 8/14/2026 10:43:56 AM

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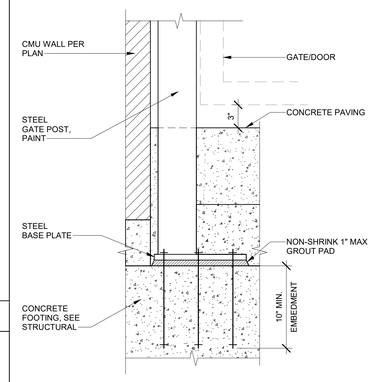
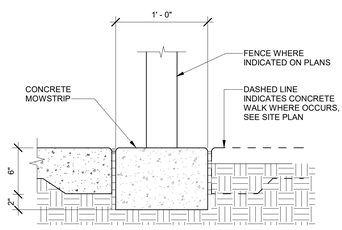
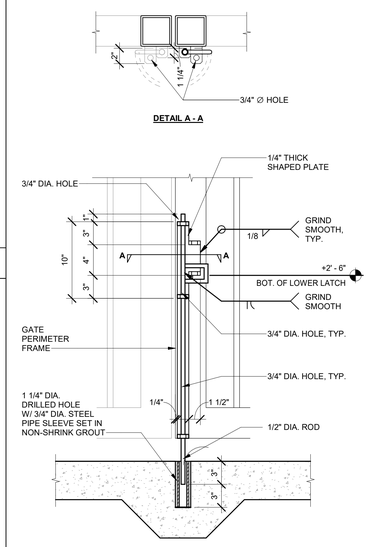


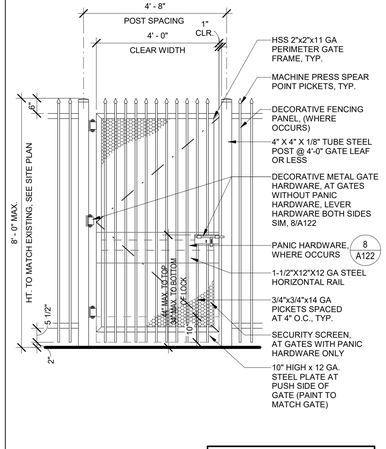
GATE POST BASE PLATE 1 1/2" = 1'-0" | 22



CONCRETE MOWSTRIP 1 1/2" = 1'-0" | 17

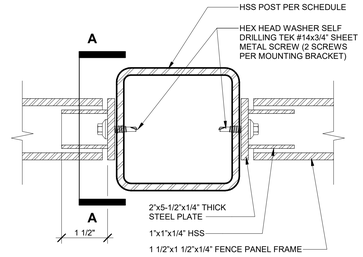


METAL GATE - CANE BOLT 1 1/2" = 1'-0" | 12

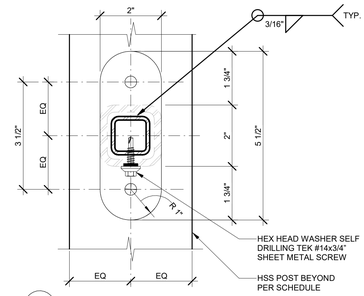


NOTE:
FOR CONCRETE FOOTING SEE **5 / A122**

DECORATIVE METAL GATE 1/2" = 1'-0" | 7

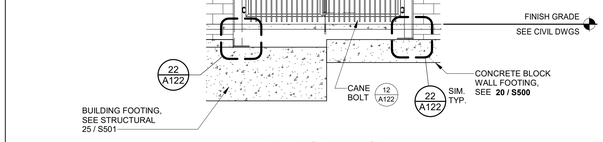


PLAN VIEW



A-A **ELEVATION/ SECTION**

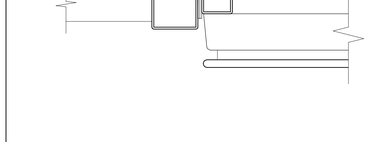
MOUNTING BRACKET 6" = 1'-0" | 2



VIEW FROM EXTERIOR

NOTE:
FOR GATE CONSTRUCTION SEE **7 / A122**

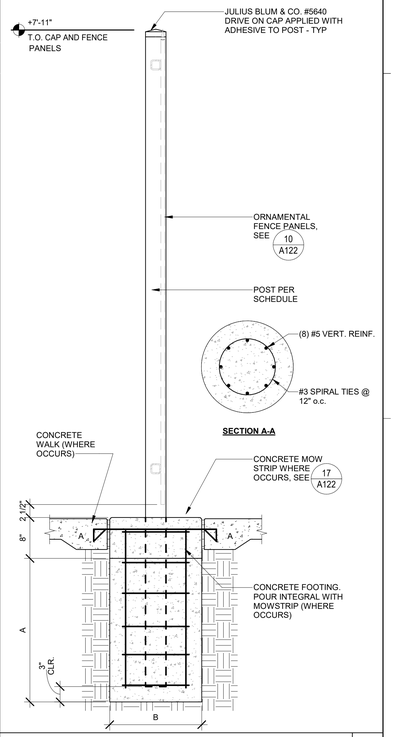
PAIR OF DECORATIVE METAL SERVICE GATES 1/4" = 1'-0" | 18

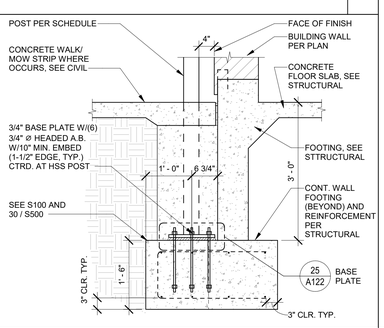


DECORATIVE METAL GATE - PANIC HARDWARE 3" = 1'-0" | 8

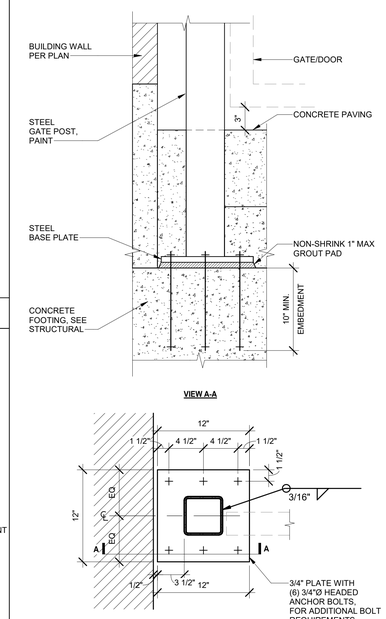
DECORATIVE FENCE POST AND FOOTING SCHEDULE					
	MEMBER SIZE:	6'-0" TALL		8'-0" TALL	
		'A'	'B'	'A'	'B'
FENCE WITH PERFORATED METAL PANELS, POSTS 6' O.C. MAX.	HSS 4"x4"x1/4" 12.21 PLF	60"	18" Ø	60"	18" Ø
FENCE WITHOUT PERFORATED METAL PANELS, POSTS 6' O.C. MAX.	HSS 2 1/2"x2 1/2"x1/4" 7.11 PLF	60"	18" Ø	60"	24" Ø
GATE POST FOR LEAF UP TO 4'-0" WIDE	HSS 4"x4"x1/4" 12.21 PLF	60"	24" Ø	72"	30" Ø
GATE POST FOR LEAF OVER 4'-0" UP TO 12'-0" WIDE	HSS 6"x6"x3/8" 27.48 PLF	72"	36" Ø	72"	42" Ø
GATE POST AT ROLLING GATES	HSS 6"x6"x3/8" 27.48 PLF	72"	36" Ø	72"	42" Ø
GATE POST AT ROLLING GATES	HSS 8"x6"x3/8" 32.58 PLF	72"	36" Ø	72"	42" Ø

NOTE: WHERE FENCE POST FOOTINGS INTERSECT OR OVERLAP, POUR AS A SINGLE MONOLITHIC FOOTING

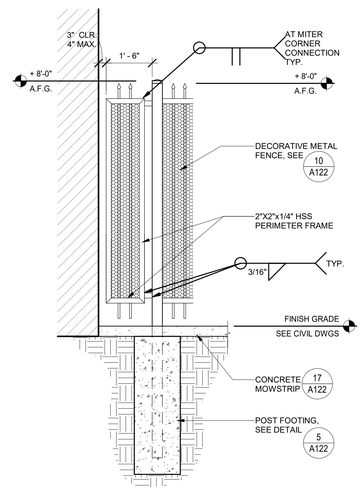




GATE POST FOOTING AT BUILDING 3/4" = 1'-0" | 30

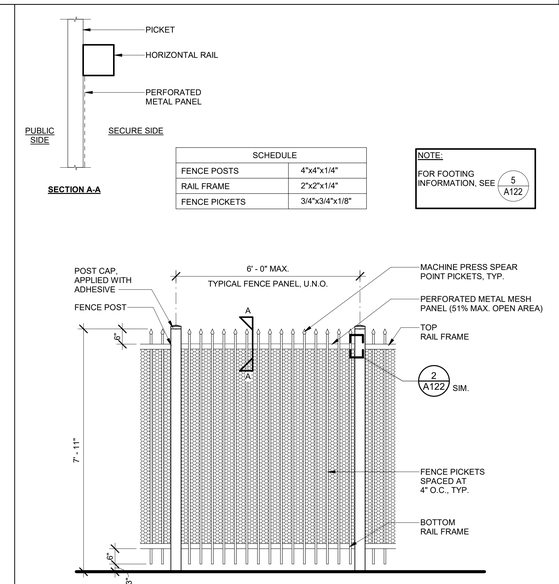


GATE POST BASE PLATE 1 1/2" = 1'-0" | 25



(A) SECTION / ELEVATION

DECORATIVE END FENCE ELEVATON 1/2" = 1'-0" | 20



DECORATIVE FENCE W/ PERFORATED METAL MESH PANEL, TYP. 1/2" = 1'-0" | 10

DECORATIVE FENCE & FTG., TYP. 1" = 1'-0" | 5

PLOT DATE: 8/14/2026 10:44:00 AM

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
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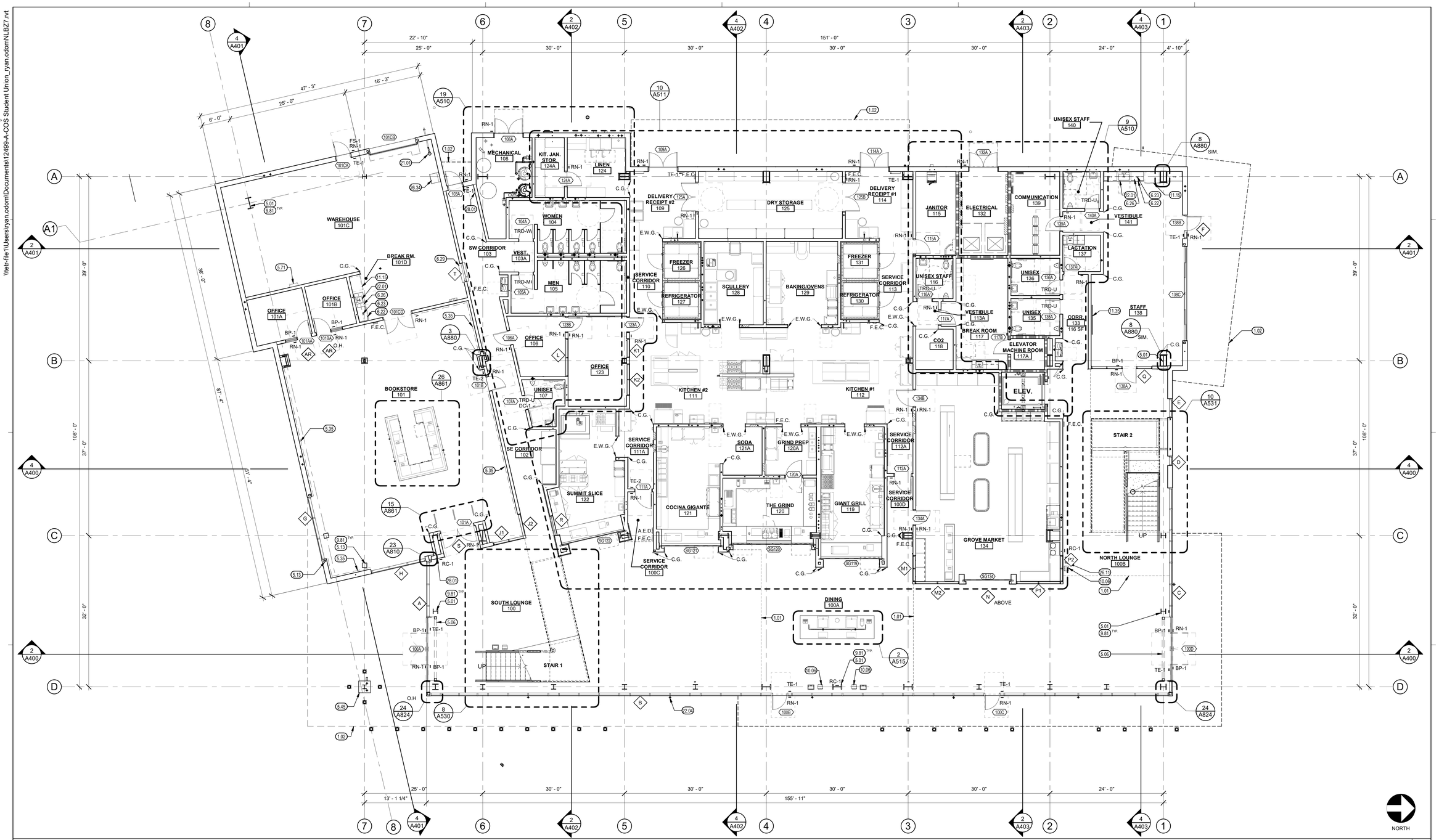
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SITE DETAILS - DECORATIVE METAL FENCE

PROJECT NO.
22-12499

DRAWING
A122



FIRST FLOOR PLAN

1/8" = 1'-0" | 4

KEYNOTES

1.01	DASHED LINE INDICATES FLOOR ABOVE
1.02	DASHED LINE INDICATES BUILDING/CANOPY ABOVE, TYP.
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.06	AUTOMATIC SLIDING DOOR STRUCTURAL FRAMING ABOVE, SEE **4 / A811**
5.13	HSS COLUMN, TYP. - SEE STRUCTURAL
5.35	BACKING IN WALL, SEE **22 / A860**
5.45	COLUMN COVER, SEE **10 / A821**
5.71	LADDER TO ROOF, SEE **23 / A835**
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.26	PLASTIC LAMINATE COUNTER TOP, SEE INTERIOR ELEVATIONS
6.29	PLASTIC LAMINATE BUILT-IN TRANSACTION COUNTER TOP, SEE **2 / A815**
9.81	PAINT FINISH TO EXPOSED STEEL
10.06	SELF-SERVE KIOSK, O.F.C.I, SEE **10 / A518**
11.15	REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **17 / A860**
21.01	FIRE SPRINKLER RISER, SEE FIRE PROTECTION
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.04	DOWNSPOUT, SEE PLUMBING AND **5 / A839**
26.11	RECESSED FLOOR BOX FLUSH WITH FLOOR, TYP. - SEE ELECTRICAL
26.34	IDF CABINET. BOTTOM OF EQUIPMENT TO BE MOUNTED ABOVE 80" MIN., SEE ELECTRICAL
28.01	FIRE ALARM CONTROL PANEL, O.F.C.I, SEE ELECTRICAL

GROUND FLOOR ELECTRICAL ROOM SEPARATION:
- WALLS: 1-HR FIRE BARRIER SEPARATION BETWEEN ELECTRICAL ROOMS AND ADJACENT SPACES WITH MINIMUM 45 MINUTE OPENING PROTECTION
- FLOOR ABOVE: 1-HR HORIZONTAL ASSEMBLY BETWEEN ELECTRICAL ROOM AND ADJACENT SPACES ABOVE
- STRUCTURAL MEMBERS SUPPORTING WALLS OR HORIZONTAL ASSEMBLIES OF ELECTRICAL ROOM INCIDENTAL USE SEPARATION ARE NOT REQUIRED TO BE RATED CONSTRUCTION UNLESS REQUIRED BY OTHER CODE PROVISIONS (CBC 509.4.1)
- WALL PROTECTION: INDICATED ON FLOOR PLAN
- FLOOR ASSEMBLY: SEE **14 / A870**

LEGEND

	MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
	MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
TRD-U	WALL SIGNAGE, SEE **3 / A801** & **18 / A801**
201A	DOOR REFERENCE SEE DOOR SCHEDULE ON SHEET **A700**
XX	WINDOW REFERENCE SEE WINDOW SCHEDULE ON SHEETS **A702 - A704**
F.E.C.	FIRE EXTINGUISHER & CABINET, SEE **12 / A860**
	1 HR FIRE BARRIER ASSEMBLY SEE A001 FOR PARTITION TYPES. SEE A870, A871, A872, A873, A874 FOR FIRE RESISTIVE CONSTRUCTION
C.G.	CORNER GUARD, SEE **5 / A860**
E.W.G.	END WALL GUARD, SEE **10 / A860**

GENERAL NOTES

A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

B. FOR TYPICAL CASEWORK ANCHORAGE , SEE **25 / A860**

C. PROVIDE FIRE EXTINGUISHER: CLASS 2A: 10B:C MIN. PER NFPA 10. ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".

D. ALL DIMENSIONS TO FACE OF STUD, U.N.O. DIMENSIONS WITH "MIN.","CLR.", ARE MEASURED FROM FACE OF WALL FINISH.

E. TYP. INTERIOR WALL FINISH FOR STUD WALLS: 5/8" TYPE 'X' GYP. BD., WATER RESISTANT TYPE IN RESTROOMS WHERE LOCATED WITHIN 2'-0" OF THE FRONT AND/OR SIDES OF PLUMBING FIXT. GYP. BD. APPLICATION SHALL COMPLY w/ CBC SECTION 2508. GYP. BD. SHALL BE FASTENED TO SUPPORTS w/ SCREWS.

F. ACOUSTICAL INSULATION: ALL INTERIOR STUD WALLS OF THE FOLLOWING SPACES SHALL BE INSULATED w/ ACOUSTICAL INSULATION:

a. FOR ACOUSTICAL WALL DETAILS, SEE A875

b. ALL WALLS & CEILINGS OF : PRIVATE OFFICES, ELECTRICAL, MECHANICAL, COMMUNICATIONS, TOILET ROOMS, AND CONFERENCE ROOMS.

G. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE **18 / A800**

H. FOR ACCESSIBLE SINK KNEE/TOE SPACE, SEE **10 / A800**

I. FOR ACCESSIBLE WORK COUNTER KNEE/TOE SPACE, SEE **22 / A800**

J. ALL NEW FLOOR SUBSTRATES ARE TO BE CLEANED, PATCHED, REPAIRED, LEVELED, AND PREPARED AS REQUIRED BY FLOORING FINISH MANUFACTURER RECOMMENDATIONS FOR FLOORING FINISH SYSTEM SCHEDULED.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
FIRST FLOOR PLAN

PROJECT NO.
22-12499

DRAWING
A210

PLOT DATE: 8/14/2026 10:44:11 AM

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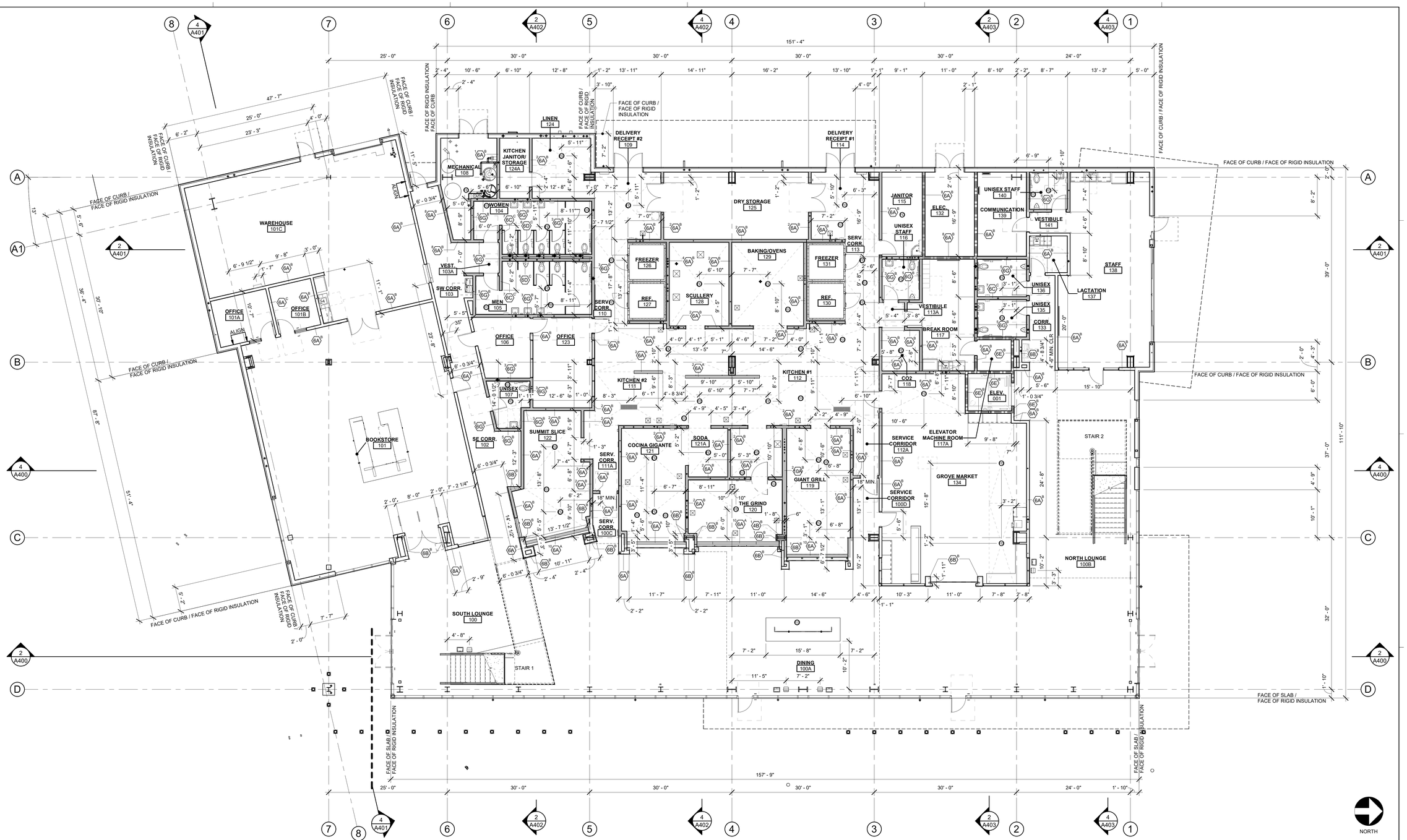

FIRST FLOOR PLAN

1/8" = 1'-0" | 4

LEGEND

- MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- PARTITION "CURB" REFERENCE
  1 - **7 / A864** 3 - **9 / A864** 5 - **13 / A864** 7 - **15 / A864** 9 - **20 / A864**
  2 - **8 / A864** 4 - **6 / A864** 6 - **14 / A864** 8 - **18 / A864** 10- **21 / A864**
- PARTITION "TYPE" REFERENCE (SEE A001)
- PARTITION "DETAIL" REFERENCE (SEE A001)
- 1 HR FIRE RATED ASSEMBLY SEE A001 FOR PARTITION TYPES. SEE A870, A871, A872, A873, A874 FOR FIRE RESISTIVE CONSTRUCTION
- INDICATES PARTITION WITH 6" HIGH CURB, SEE STRUCTURAL AND A867
- FLOOR DRAIN, MAXIMUM 1" BELOW FINISH FLOOR HIGHEST LEVEL, MAXIMUM FLOOR SLOPE 1.5%

GENERAL NOTES

A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

B. FOR TYPICAL CASEWORK ANCHORAGE , SEE **25 / A860**

C. PROVIDE FIRE EXTINGUISHER: CLASS 2A: 10B:C MIN. PER NFPA 10. ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".

D. ALL DIMENSIONS TO FACE OF STUD, U.N.O. DIMENSIONS WITH "MIN.","CLR.", ARE MEASURED FROM FACE OF WALL FINISH.

E. TYP. INTERIOR WALL FINISH FOR STUD WALLS: 5/8" TYPE 'X' GYP. BD., WATER RESISTANT TYPE IN RESTROOMS WHERE LOCATED WITHIN 2'-0" OF THE FRONT AND/OR SIDES OF PLUMBING FIXT. GYP. BD. APPLICATION SHALL COMPLY w/ CBC SECTION 2508. GYP. BD. SHALL BE FASTENED TO SUPPORTS w/ SCREWS.

F. ACOUSTICAL INSULATION: ALL INTERIOR STUD WALLS OF THE FOLLOWING SPACES SHALL BE INSULATED w/ ACOUSTICAL INSULATION:

   a. FOR ACOUSTICAL WALL DETAILS, SEE A875

   b. ALL WALLS & CEILINGS OF : PRIVATE OFFICES, ELECTRICAL, MECHANICAL, COMMUNICATIONS, TOILET ROOMS, AND CONFERENCE ROOMS.

G. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE **18 / A800**

H. FOR ACCESSIBLE SINK KNEE/TOE SPACE, SEE **10 / A800**

I. FOR ACCESSIBLE WORK COUNTER KNEE/TOE SPACE, SEE **22 / A800**

J. ALL NEW FLOOR SUBSTRATES ARE TO BE CLEANED, PATCHED, REPAIRED, LEVELED, AND PREPARED AS REQUIRED BY FLOORING FINISH MANUFACTURER RECOMMENDATIONS FOR FLOORING FINISH SYSTEM SCHEDULED.

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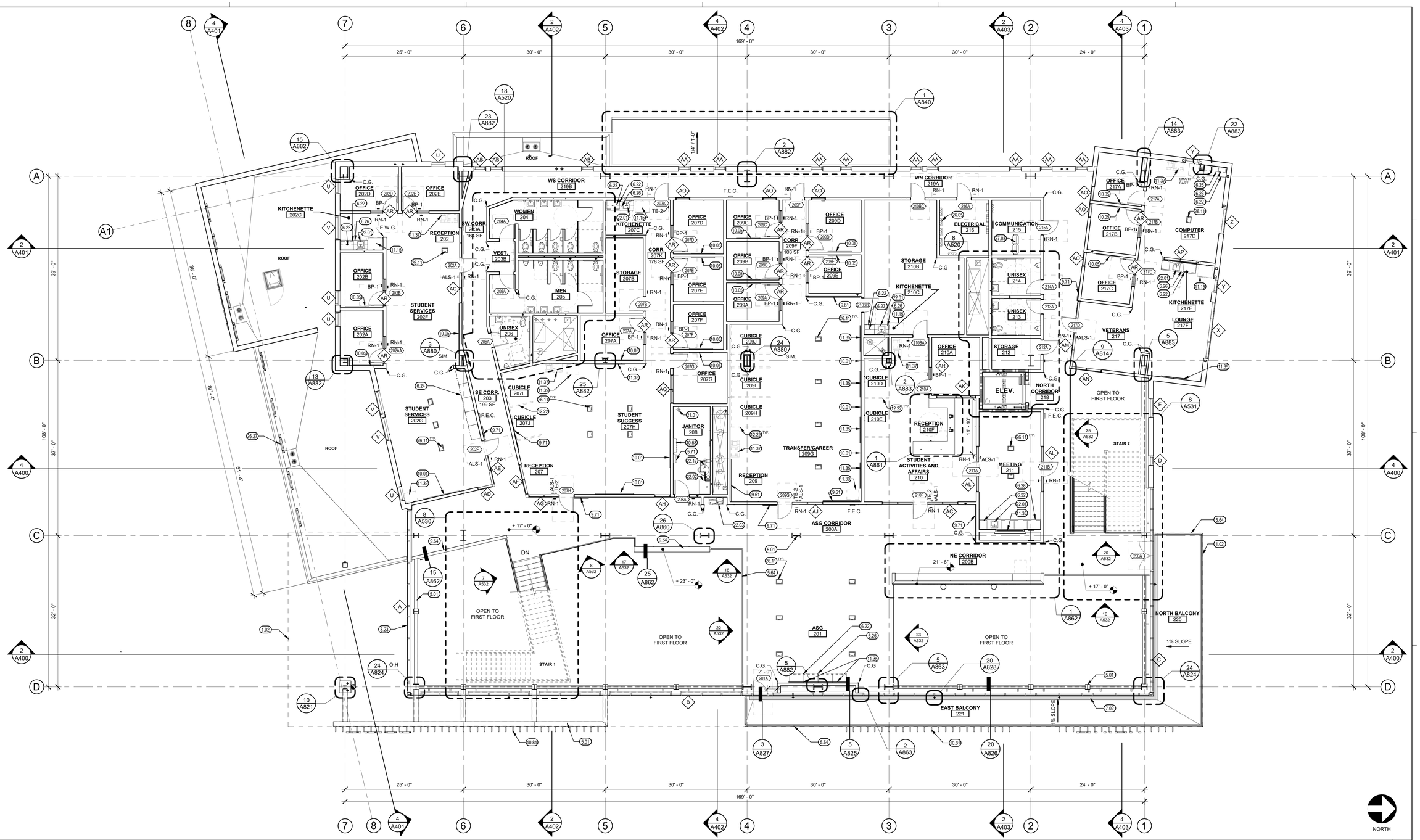
DRAWING TITLE
FIRST FLOOR PLAN - DIMENSIONS & INTERIOR WALL TYPES

PROJECT NO.
22-12499

DRAWING
A211



SECOND FLOOR PLAN

1/8" = 1'-0" | 4

KEYNOTES

1.02	DASHED LINE INDICATES BUILDING/CANOPY ABOVE, TYP.
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.64	GUARDRAIL, TYP. SEE **13 / A851**
5.71	LADDER TO ROOF, SEE **23 / A835**
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.24	PLASTIC LAMINATE TALL STORAGE CABINET, SEE INTERIOR ELEVATIONS
6.26	PLASTIC LAMINATE COUNTER TOP, SEE INTERIOR ELEVATIONS
6.28	SOLID SURFACE COUNTER TOP
7.02	PERFORATED LINEAR DRAIN COVER, SEE **20 / A828**
8.23	ALUMINUM CURTAIN WALL, TYP., - SEE WINDOW SCHEDULE
9.61	VINYL COVERED TACKABLE WALL PANELS
9.64	SILESTONE CAP TO WALL
9.71	VINYL COVERED TACKABLE WALL PANELS
10.01	MARKER BOARD, SEE **13 / A860**
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.58	MOP HOLDER AND SHELF, SEE **8 / A860**
10.81	EXTERIOR SUN CONTROL DEVICE, SEE **2 / A830**, **2 / A831**, **2 / A832**
11.15	REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
11.37	PRINTER, O.F.C.I.
11.39	SMART CART, O.F.C.I.
12.22	CUBICLE FURNITURE SYSTEM, O.F.C.I.
21.01	FIRE SPRINKLER RISER, SEE FIRE PROTECTION
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
22.03	HIGH-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER, SEE PLUMBING, AND **15 / A800**
22.17	COMMERCIAL WATER HEATER, SEE PLUMBING
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.11	RECESSED FLOOR BOX FLUSH WITH FLOOR, TYP. - SEE ELECTRICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
27.03	TWO POST RACK, SEE ELECTRICAL

LEGEND

- MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- TRD-U — WALL SIGNAGE, SEE **3 / A801** & **18 / A801**
- 201A — DOOR REFERENCE SEE DOOR SCHEDULE ON SHEET **A700**
- XX — WINDOW REFERENCE SEE WINDOW SCHEDULE ON SHEETS **A702 - A704**
- F.E.C. — FIRE EXTINGUISHER & CABINET, SEE **12 / A860**
- 1 HR FIRE BARRIER ASSEMBLY SEE A001 FOR PARTITION TYPES. SEE A870, A871, A872, A873, A874 FOR FIRE RESISTIVE CONSTRUCTION
- C.G. — CORNER GUARD, SEE **5 / A860**
- E.W.G. — END WALL GUARD, SEE **10 / A860**

GENERAL NOTES

A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

B. FOR TYPICAL CASEWORK ANCHORAGE , SEE **25 / A860**

C. PROVIDE FIRE EXTINGUISHER: CLASS 2A: 10B:C MIN. PER NFPA 10, ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".

D. ALL DIMENSIONS TO FACE OF STUD, U.N.O. DIMENSIONS WITH "MIN.","CLR.", ARE MEASURED FROM FACE OF WALL FINISH.

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   b. ALL WALLS & CEILINGS OF : PRIVATE OFFICES, ELECTRICAL, MECHANICAL, COMMUNICATIONS, TOILET ROOMS, AND CONFERENCE ROOMS.

G. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE **18 / A800**

H. FOR ACCESSIBLE SINK KNEE/TOE SPACE, SEE **10 / A800**

I. FOR ACCESSIBLE WORK COUNTER KNEE/TOE SPACE, SEE **22 / A800**

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DRAWING TITLE
SECOND FLOOR PLAN

PROJECT NO.
22-12499

DRAWING
A220

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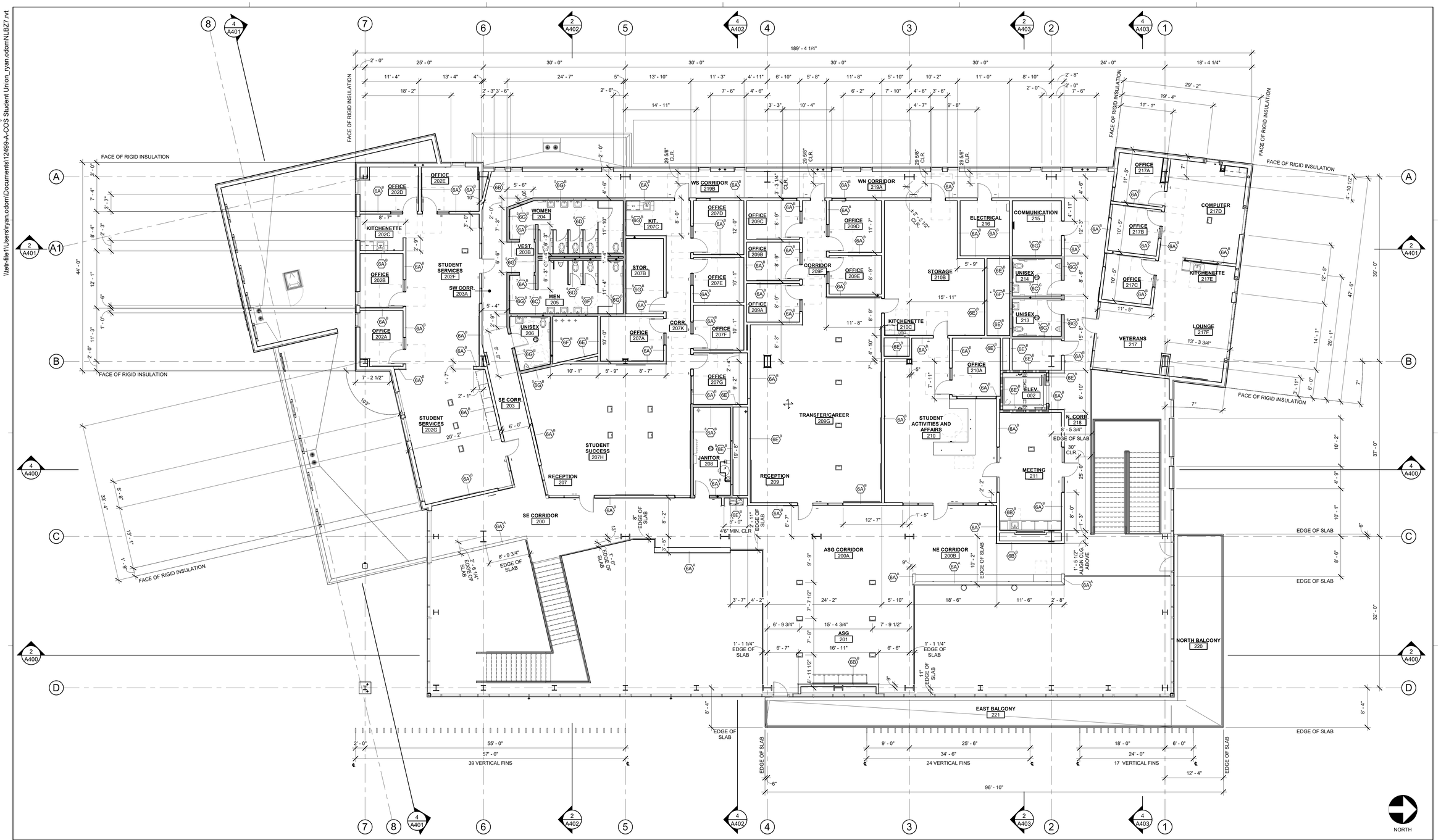

SECOND FLOOR PLAN

1/8" = 1'-0" | 4

LEGEND

- MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- PARTITION "CURB" REFERENCE
  1 - **7 / A864** 3 - **9 / A864** 5 - **13 / A864** 7 - **15 / A864** 9 - **20 / A864**
  2 - **8 / A864** 4 - **6 / A864** 6 - **14 / A864** 8 - **18 / A864** 10- **21 / A864**
- PARTITION "TYPE" REFERENCE (SEE A001)
- PARTITION "DETAIL" REFERENCE (SEE A001)
- 1 HR FIRE RATED ASSEMBLY SEE A001 FOR PARTITION TYPES. SEE A870, A871, A872, A873, A874 FOR FIRE RESISTIVE CONSTRUCTION
- INDICATES PARTITION WITH 6" HIGH CURB, SEE STRUCTURAL AND A867
- FLOOR DRAIN, MAXIMUM 1" BELOW FINISH FLOOR HIGHEST LEVEL, MAXIMUM FLOOR SLOPE 1.5%

GENERAL NOTES

A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

B. FOR TYPICAL CASEWORK ANCHORAGE , SEE **25 / A860**

C. PROVIDE FIRE EXTINGUISHER: CLASS 2A: 10B:C MIN. PER NFPA 10, ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".

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   b. ALL WALLS & CEILINGS OF : PRIVATE OFFICES, ELECTRICAL, MECHANICAL, COMMUNICATIONS, TOILET ROOMS, AND CONFERENCE ROOMS.

G. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE **18 / A800**

H. FOR ACCESSIBLE SINK KNEE/TOE SPACE, SEE **10 / A800**

I. FOR ACCESSIBLE WORK COUNTER KNEE/TOE SPACE, SEE **22 / A800**

J. ALL NEW FLOOR SUBSTRATES ARE TO BE CLEANED, PATCHED, REPAIRED, LEVELED, AND PREPARED AS REQUIRED BY FLOORING FINISH MANUFACTURER RECOMMENDATIONS FOR FLOORING FINISH SYSTEM SCHEDULED.

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DRAWING TITLE
SECOND FLOOR PLAN - DIMENSIONS & INTERIOR WALL TYPES

PROJECT NO.
22-12499

DRAWING
A221

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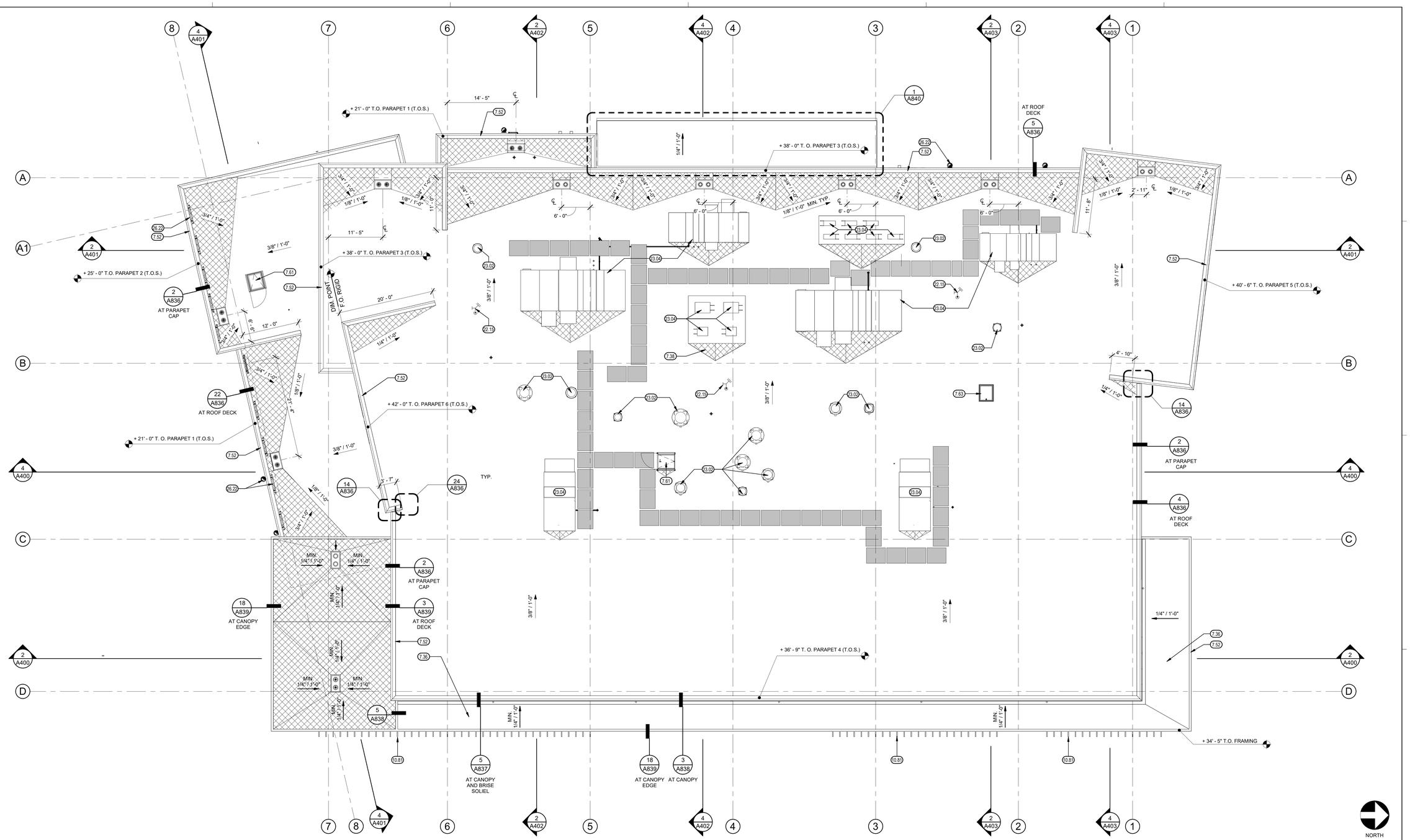

ROOF PLAN

1/8" = 1'-0" | 4

KEYNOTES

7.36	SINGLE PLY ROOFING SYSTEM
7.38	CRICKETS ON ROOF HIGH SIDE AT MECH. EQUIP., TYP.
7.52	PARAPET CAP, SEE **2 / A836**
7.61	ROOF ACCESS HATCH, SEE **22 / A835**
7.63	SMOKE VENT; FOR FLASHING SEE 22 / A835, SIM.
10.81	EXTERIOR SUN CONTROL DEVICE, SEE **2 / A830** , **2 / A831** , **2 / A832**
22.15	HOSE BIBB, SEE PLUMBING
23.02	EXHAUST FAN, SEE MECHANICAL
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
26.22	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL

LEGEND

INDICATES DOWNWARD DIRECTION OF ROOF SLOPE MIN. SLOPE IN ANY DIRECTION SHALL NOT BE LESS THAN 1/4" :12"

ROOF DRAIN / OVER FLOW DRAIN, SEE **1 / A835** AND PLUMBING DRAWINGS.

SINGLE-PLY ROOFING SYSTEM o/ COVERBOARD o/ (2) LAYERS 2.6" POLYISO RIGID INSULATION o/ METAL DECK, FOR SEAM LAP INFO, SEE **18 / A835** & **19 / A835** ROOFING MATERIALS SHALL BE LISTED AND IDENTIFIED AS **CLASS 'A'** BY AN APPROVED TESTING AGENCY.

SINGLE-PLY ROOFING SYSTEM o/ COVERBOARD o/ BUILT-UP CRICKET TAPERED INSULATION o/ (2) LAYERS 2.6" POLYISO RIGID INSULATION o/ METAL DECK. CRICKET VALLEYS SHALL SLOPE NOT LESS THAN 1/8" : 12". ROOFING MATERIALS SHALL BE LISTED AND IDENTIFIED AS **CLASS 'A'** BY AN APPROVED TESTING AGENCY.

WALKWAY PROTECTION PAD

3" MIN
4" MAX

GENERAL NOTES

A. FOR TYPICAL PIPE THROUGH ROOF PENETRATIONS, SEE **3 / A835** & **4 / A835**

B. PROVIDE SEPARATE DRAIN LINES FOR ROOF DRAINS AND OVERFLOW DRAINS. PROVIDE ALL HANGERS + SUPPORTS FOR PIPE AS REQUIRED BE CODE. SEE PLUMBING FOR DRAIN LINES

C. FOR TYPICAL ROOF PENETRATION CLEARANCES, SEE **9 / A835**

D. FOR EXHAUST FAN OPENING THROUGH ROOF, SEE **12 / A835** & MECHANICAL.

E. FOR TYPICAL HVAC EQUIPMENT CURB, SEE **10 / A835** & MECHANICAL.

F. FOR TYPICAL HVAC EQUIPMENT PLATFORM, SEE **5 / A835**

G. FOR ROOFING SYSTEM ATTACHMENT AND WIND LOAD RESISTANCE, SEE **15 / A835**

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DRAWING TITLE
ROOF PLAN

PROJECT NO.
22-12499

DRAWING
A230

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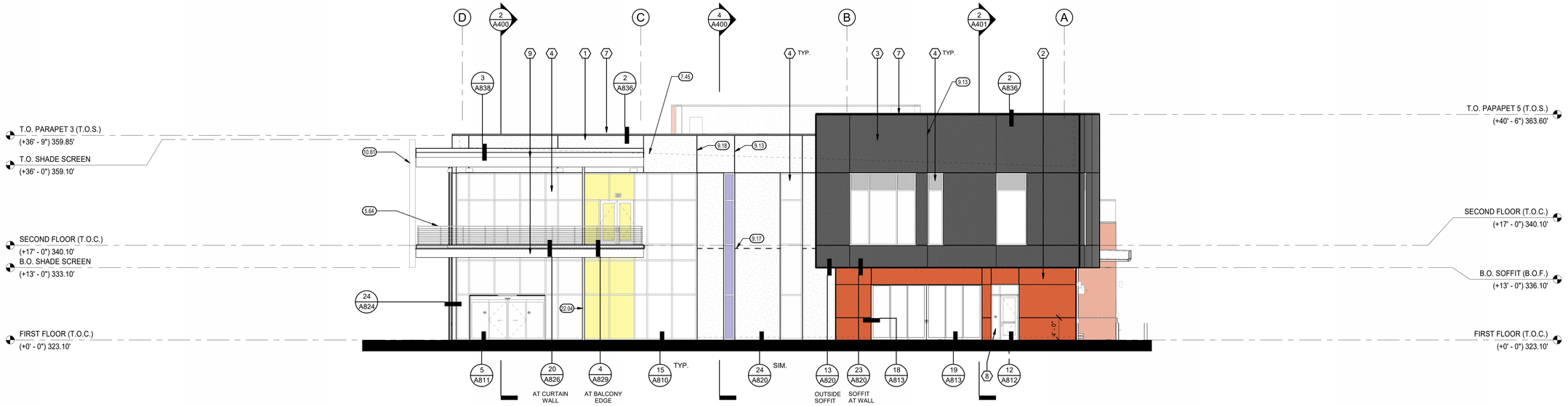
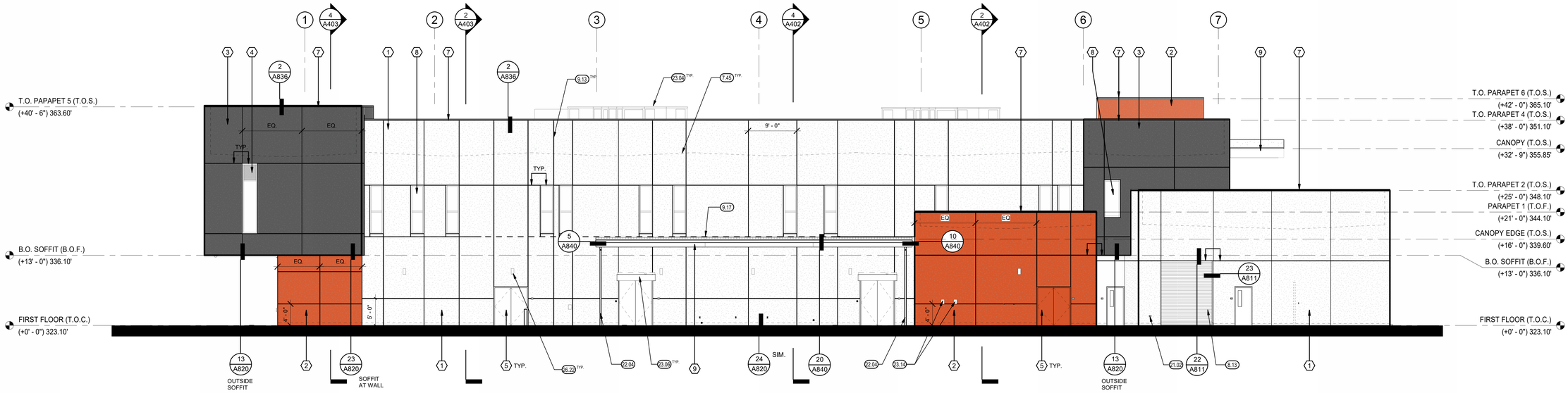


NORTH EXTERIOR ELEVATION — 1/8" = 1'-0" — 2



WEST EXTERIOR ELEVATION — 1/8" = 1'-0" — 4

KEYNOTES

5.64	GUARDRAIL, TYP. SEE **4 / A829**
7.45	DASHED LINE INDICATES ROOF BEYOND, TYP.
8.13	OVERHEAD COILING SERVICE DOOR AS SCHEDULED, SEE **22 / A811**
9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
9.17	EXPANSION SCREED, SEE **15 / A820**
9.18	VERTICAL EXPANSION SCREED, SEE **17 / A821**
10.81	EXTERIOR SUN CONTROL DEVICE, SEE **5 / A832**
21.02	FIRE DEPARTMENT CONNECTION, SEE CIVIL
22.04	DOWNSPOUT, SEE PLUMBING AND **5 / A839**
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.06	AIR CURTAIN, SEE MECHANICAL
23.14	DRYER VENT, PAINT TO MATCH ADJACENT WALL. SEE 3/M801
26.22	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL

EXTERIOR FINISH SCHEDULE

MARK	MATERIAL	MFR/PRODUCT (BASIS OF DESIGN)	DESCRIPTION / FINISH	COLOR	WALL ASSEMBLY
1	CEMENT PLASTER		PAINT	WHITE	**30 / A821**
2	CEMENT PLASTER		PAINT	ORANGE	**30 / A821**
3	CEMENT PLASTER		PAINT	GREY	**30 / A821**
4	CURTAIN WALL SYSTEM	KAWNEER 1600 UT SYSTEM 2	CLEAR ANODIZED	--	
5	HOLLOW METAL DOORS AND FRAMES	SHERWIN WILLIAMS (PAINT)	PAINT	--	
6	VERTICAL BRISE SOLEIL	AGS INC, VERTICAL FINS	ALUMINUM FACTORY FINISH	--	
7	SHEET METAL COPING		PAINT	--	
8	ALUMINUM STOREFRONT SYSTEM (EXTERIOR)	KAWNEER 601T	CLEAR ANODIZED	--	
9	STRUCTURAL STEEL - AESS		PAINT	--	
10	ALUMINUM COLUMN COVER	PITTCON INDUSTRIES	ALUMINUM, FACTORY FINISH	TBD	

NOTE: FINAL COLOR SELECTION TO BE MADE BY ARCHITECT.

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B	08-14-26	DSA BACKCHECK

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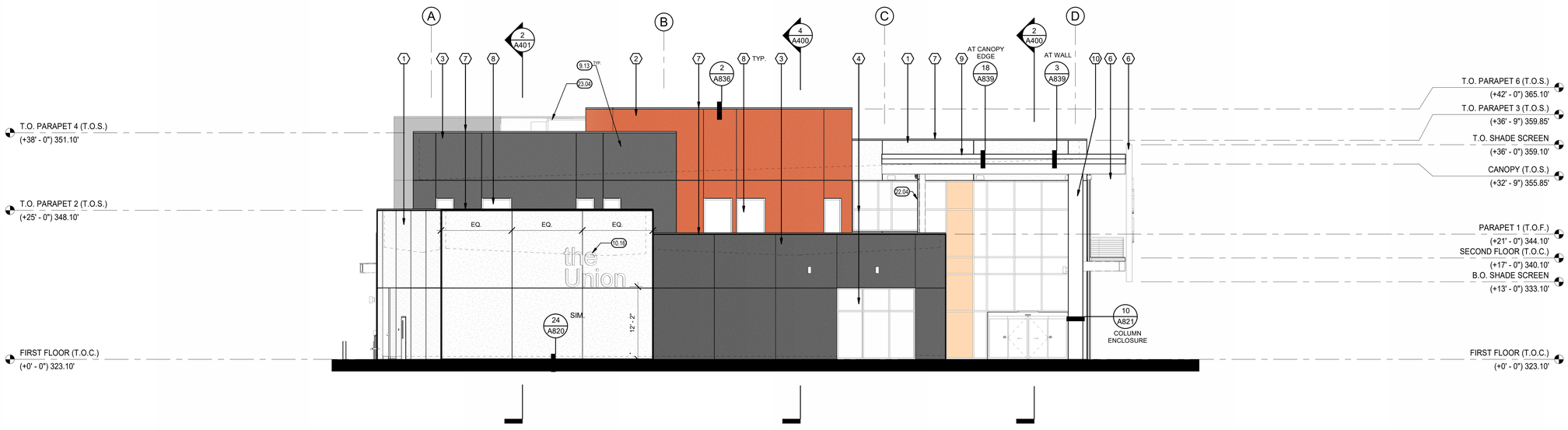
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
EXTERIOR ELEVATIONS

PROJECT NO.
22-12499

DRAWING
A300



SOUTH EXTERIOR ELEVATION

1/8" = 1'-0" | 2

KEYNOTES

(XX.XX)

9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
10.16	INTERNALLY BACKLIT LED CAST ALUMINUM LETTERS FOR EXTERIOR BUILDING IDENTIFICATION SIGNAGE ON STANDOFF MOUNT. FONT: HELVETICA BOLD. 24" TALL, TYP. "U" 36" TALL. FOR ADDITIONAL INFORMATION, SEE ELECTRICAL AND **1 / A821**
22.04	DOWNSPOUT, SEE PLUMBING AND **15 / A838**
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL

EXTERIOR FINISH SCHEDULE

MARK	MATERIAL	MFR/PRODUCT (BASIS OF DESIGN)	DESCRIPTION / FINISH	COLOR	WALL ASSEMBLY
1	CEMENT PLASTER		PAINT	WHITE	**30 / A821**
2	CEMENT PLASTER		PAINT	ORANGE	**30 / A821**
3	CEMENT PLASTER		PAINT	GREY	**30 / A821**
4	CURTAIN WALL SYSTEM	KAWNEER 1600 UT SYSTEM 2	CLEAR ANODIZED	--	
5	HOLLOW METAL DOORS AND FRAMES	SHERWIN WILLIAMS (PAINT)	PAINT	--	
6	VERTICAL BRISE SOLEIL	AGS INC, VERTICAL FINS	ALUMINUM FACTORY FINISH	--	
7	SHEET METAL COPING		PAINT	--	
8	ALUMINUM STOREFRONT SYSTEM (EXTERIOR)	KAWNEER 601T	CLEAR ANODIZED	--	
9	STRUCTURAL STEEL - AESS		PAINT	--	
10	ALUMINUM COLUMN COVER	PITTCON INDUSTRIES	ALUMINUM, FACTORY FINISH	TBD	

NOTE: FINAL COLOR SELECTION TO BE MADE BY ARCHITECT.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
EXTERIOR ELEVATIONS

PROJECT NO.
22-12499

DRAWING
A301

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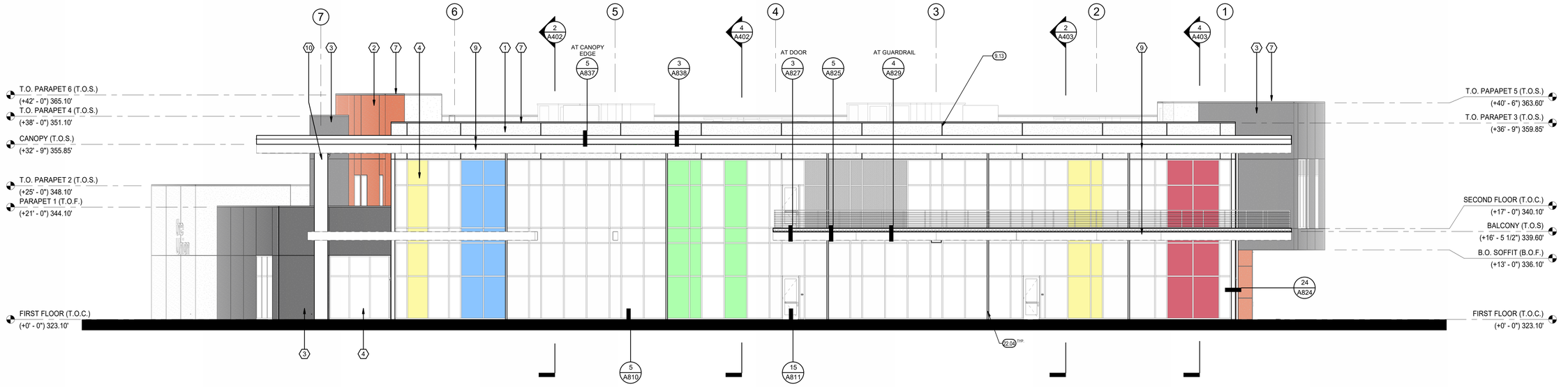
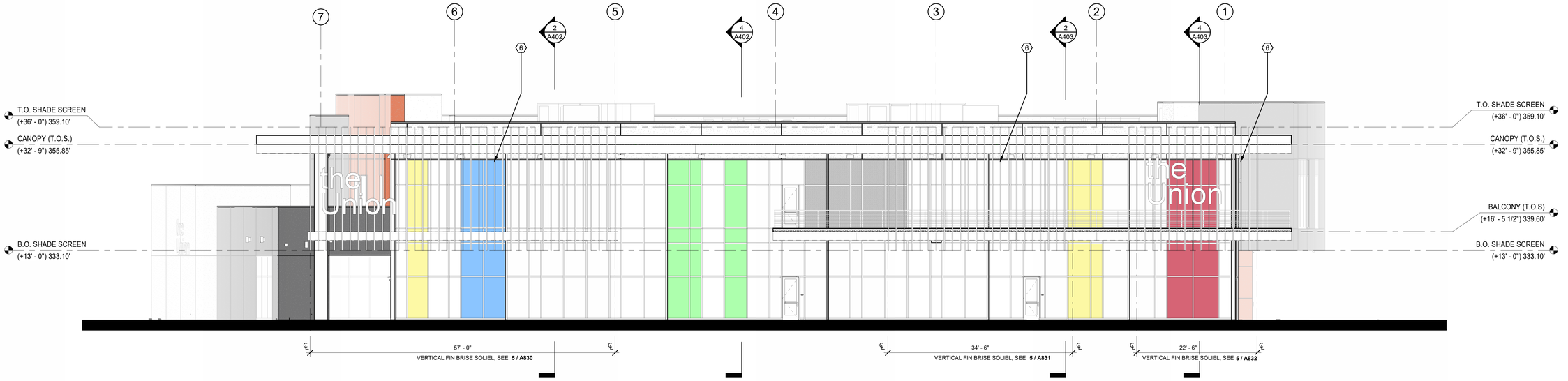


EAST EXTERIOR ELEVATION - WITHOUT VERTICAL BRISE SOLIEL

1/8" = 1'-0" | 2



EAST EXTERIOR ELEVATION - WITH VERTICAL BRISE SOLIEL

1/8" = 1'-0" | 4

KEYNOTES

22.00

9.13 CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
22.04 DOWNSPOUT, SEE PLUMBING AND **5 / A839**

EXTERIOR FINISH SCHEDULE

MARK	MATERIAL	MFR/PRODUCT (BASIS OF DESIGN)	DESCRIPTION / FINISH	COLOR	WALL ASSEMBLY
1	CEMENT PLASTER		PAINT	WHITE	**30 / A821**
2	CEMENT PLASTER		PAINT	ORANGE	**30 / A821**
3	CEMENT PLASTER		PAINT	GREY	**30 / A821**
4	CURTAIN WALL SYSTEM	KAWNEER 1600 UT SYSTEM 2	CLEAR ANODIZED	--	
5	HOLLOW METAL DOORS AND FRAMES	SHERWIN WILLIAMS (PAINT)	PAINT	--	
6	VERTICAL BRISE SOLEIL	AGS INC, VERTICAL FINS	ALUMINUM FACTORY FINISH	--	
7	SHEET METAL COPING		PAINT	--	
8	ALUMINUM STOREFRONT SYSTEM (EXTERIOR)	KAWNEER 601T	CLEAR ANODIZED	--	
9	STRUCTURAL STEEL - AESS		PAINT	--	
10	ALUMINUM COLUMN COVER	PITTCON INDUSTRIES	ALUMINUM, FACTORY FINISH	TBD	

NOTE: FINAL COLOR SELECTION TO BE MADE BY ARCHITECT.

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915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
EXTERIOR ELEVATIONS

PROJECT NO.
22-12499

DRAWING
A302

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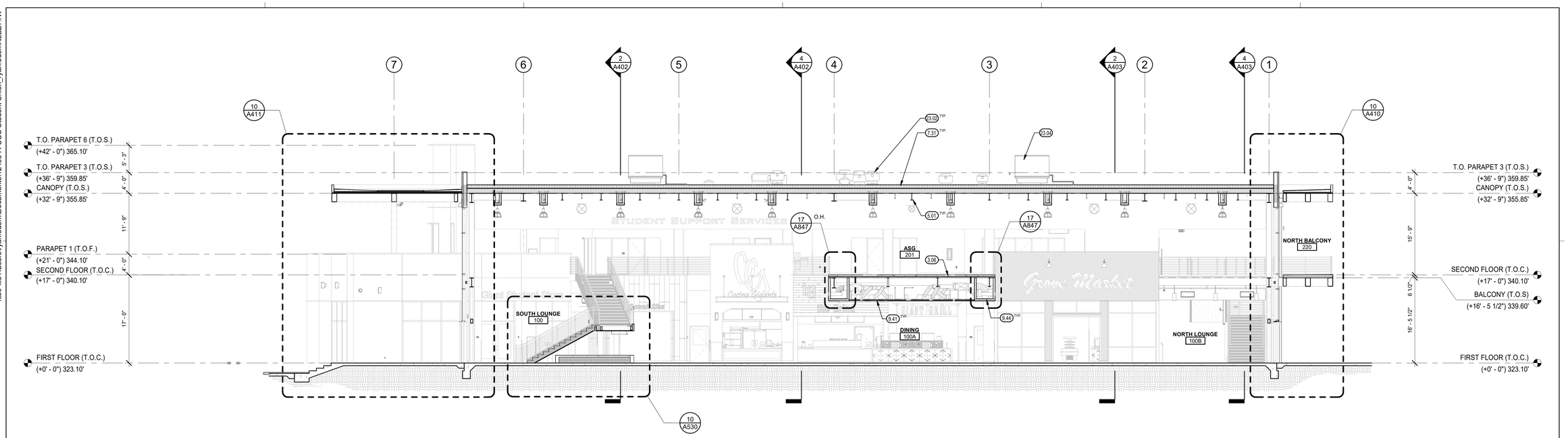
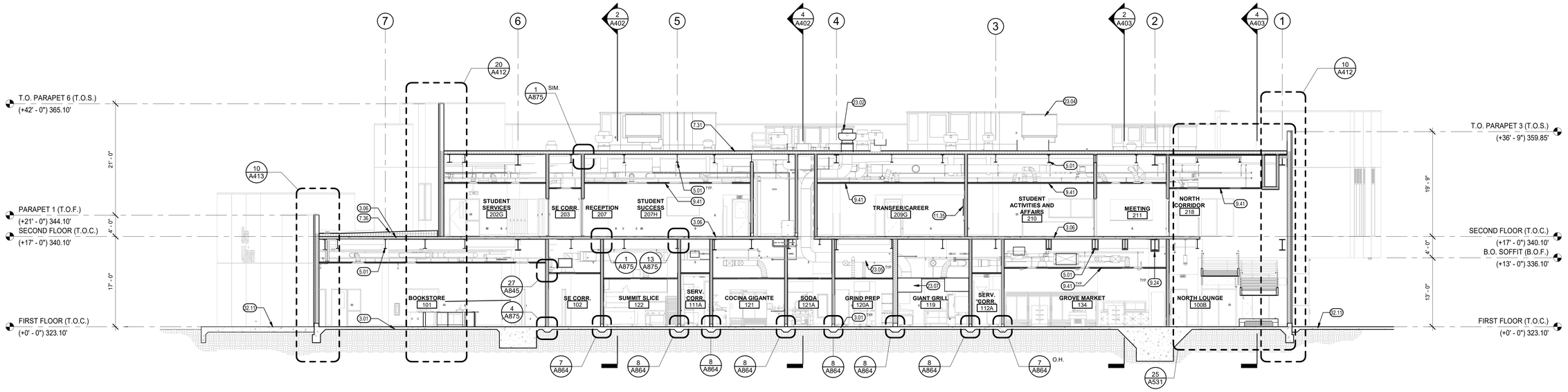


BUILDING SECTION — 1/8" = 1'-0" | 2



BUILDING SECTION — 1/8" = 1'-0" | 4

KEYNOTES

(20.00)

3.01 CONCRETE SLAB, SEE STRUCTURAL
3.06 CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01 STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
7.31 ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.36 SINGLE PLY ROOFING SYSTEM
9.24 FIRE RATED BEAM ASSEMBLY, SEE **27 / A870**
9.41 SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
9.44 GYPSUM BOARD SOFFIT
11.35 MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
23.02 EXHAUST FAN, SEE MECHANICAL
23.04 MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05 MECHANICAL DUCT, TYP. - SEE MECHANICAL
23.07 KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
32.11 CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
BUILDING SECTIONS

PROJECT NO.
22-12499

DRAWING
A400

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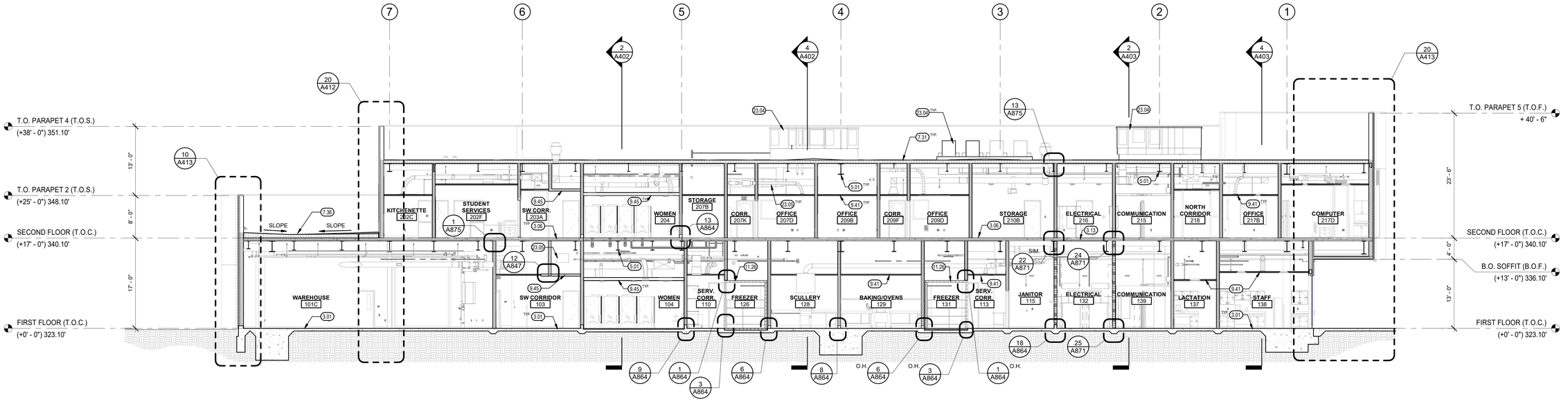
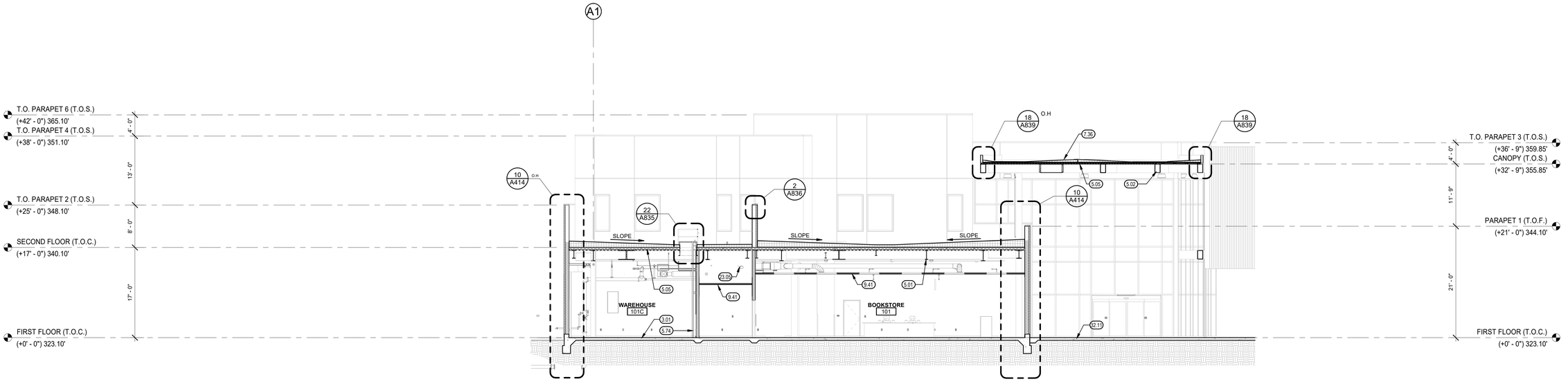


BUILDING SECTION

1/8" = 1'-0" | 2



BUILDING SECTION

1/8" = 1'-0" | 4

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.13	1 HR FIRE RATED FLOOR ASSEMBLY, SEE **14 / A870**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.02	TUBE STEEL TYP. - SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
5.74	ACCESS LADDER, SEE **23 / A835**
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.36	SINGLE PLY ROOFING SYSTEM
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
9.45	GYPSUM BOARD CEILING, SEE **2 / A847**
11.26	WALK-IN FREEZER
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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DRAWING TITLE
BUILDING SECTIONS

PROJECT NO.
22-12499

DRAWING
A401

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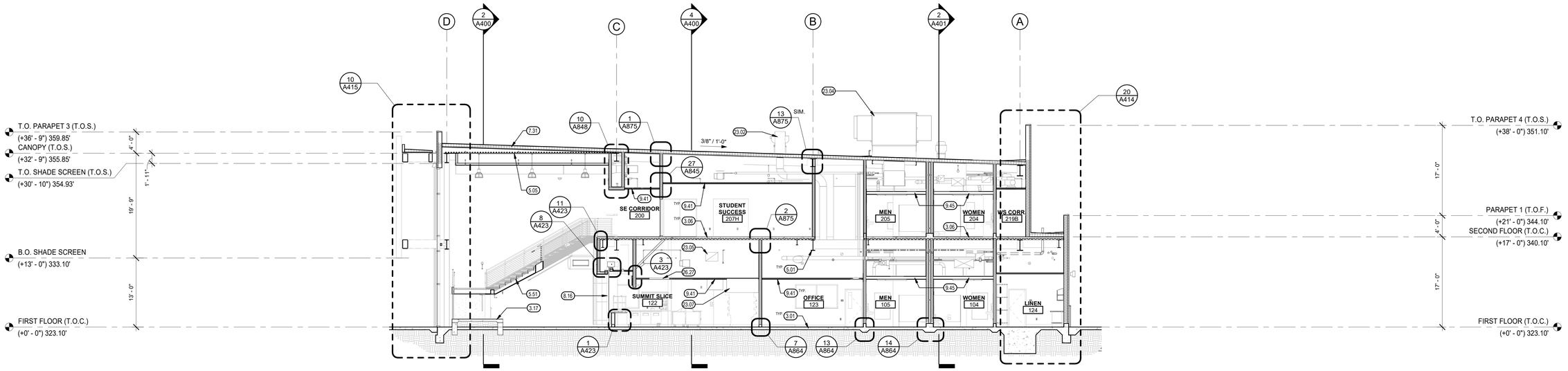
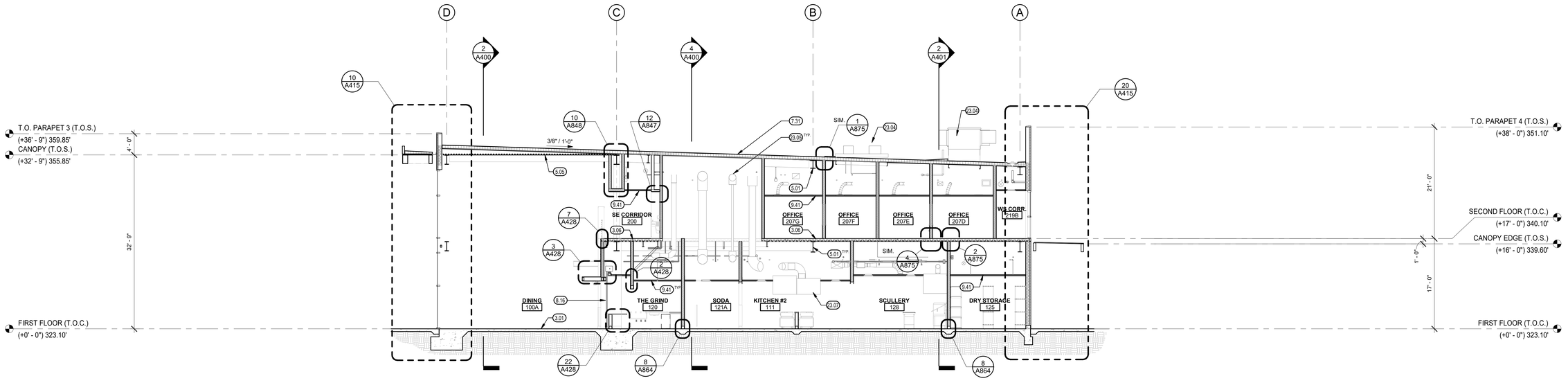


BUILDING SECTION — 1/8" = 1'-0" | 2



BUILDING SECTION — 1/8" = 1'-0" | 4

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.17	RAISED CONCRETE SLAB ,SEE **5 / A530**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
8.16	ROLL-UP SECURITY GRILLE, SEE DOOR SCHEDULE
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
9.45	GYPSUM BOARD CEILING, SEE **2 / A847**
23.02	EXHAUST FAN, SEE MECHANICAL
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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DRAWING TITLE: BUILDING SECTIONS

PROJECT NO. 22-12499

DRAWING A402

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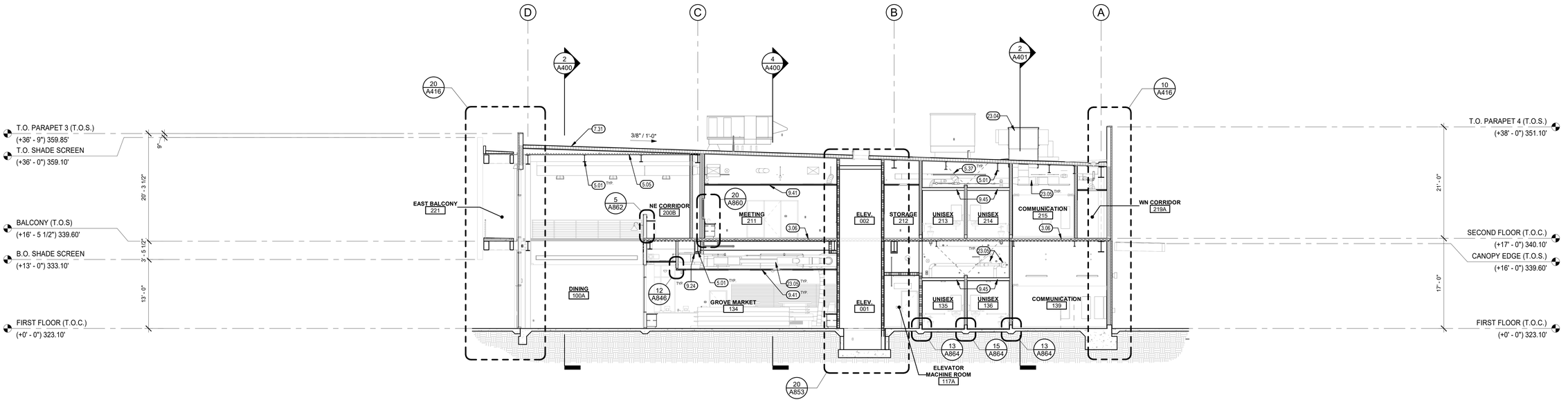
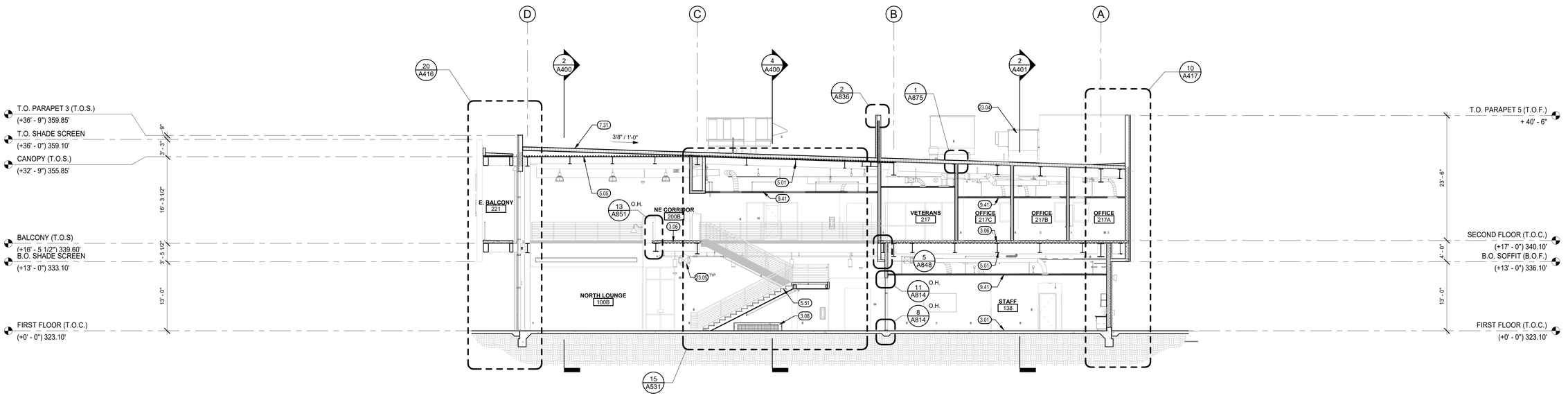


BUILDING SECTION — 1/8" = 1'-0" — 2



BUILDING SECTION — 1/8" = 1'-0" — 4

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.08	CONCRETE BENCH, SEE **5 / A530**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
5.37	WALL BRACING WIRE, SEE **14 / A845**
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
9.24	FIRE RATED BEAM ASSEMBLY, SEE **27 / A870**
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
9.45	GYPSUM BOARD CEILING, SEE **2 / A847**
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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DRAWING TITLE: BUILDING SECTIONS

PROJECT NO. 22-12499

DRAWING A403

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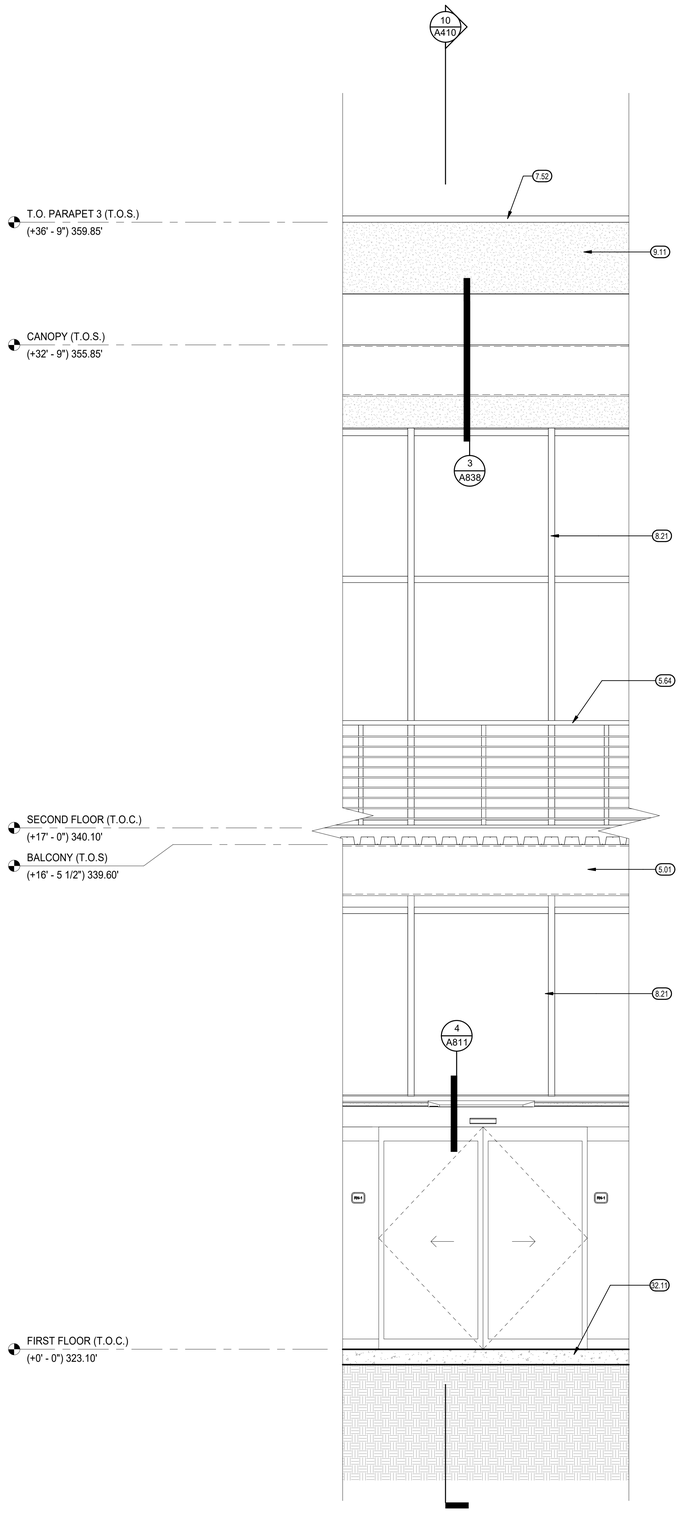

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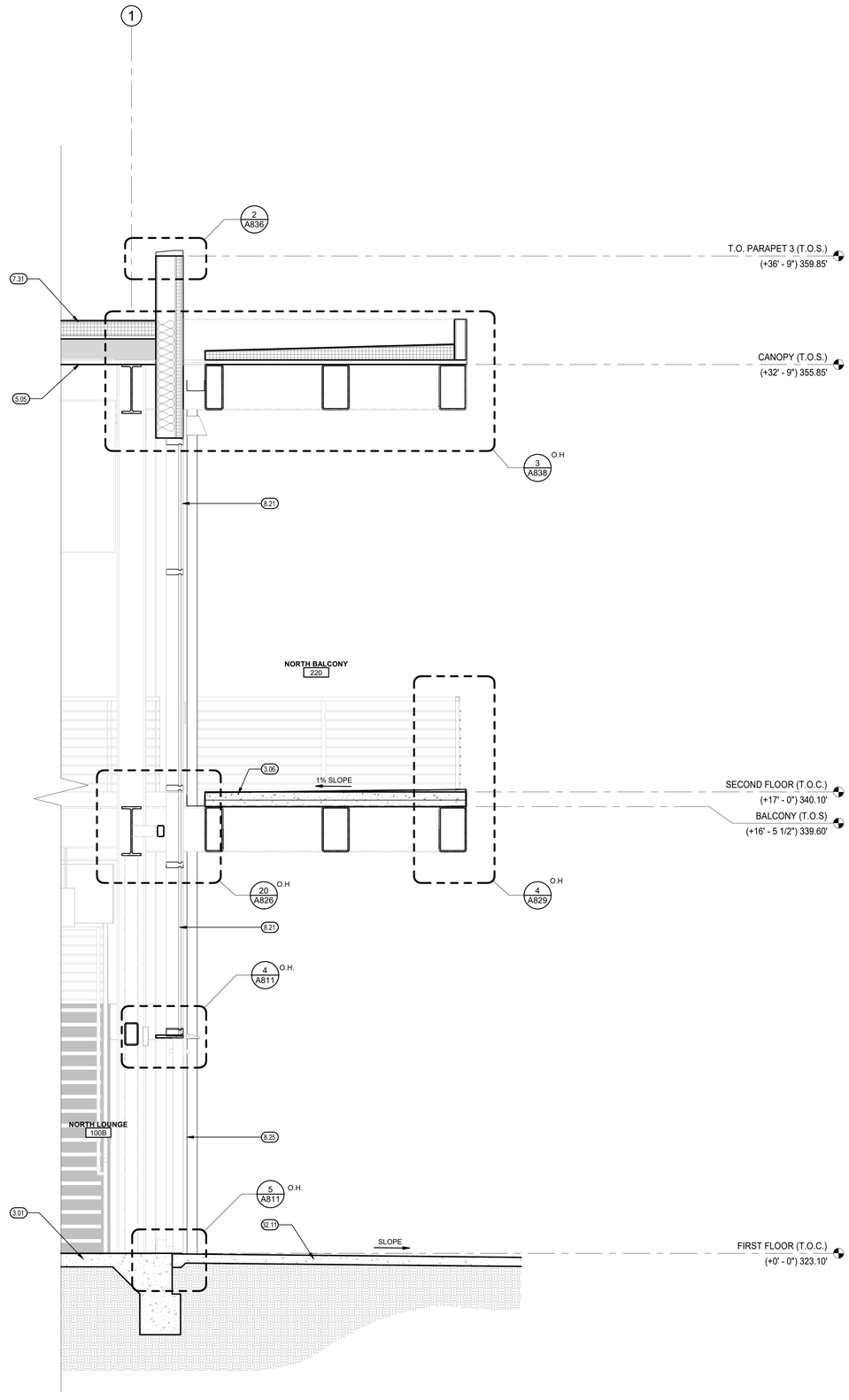

SECTION

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
5.64	GUARDRAIL, TYP. SEE **4 / A829**
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.52	PARAPET CAP, SEE **2 / A836**
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
8.25	AUTOMATIC ENTRANCE DOOR(S), SEE DOOR SCHEDULE
9.11	CEMENT PLASTER
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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STUDENT UNION BUILDING
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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WALL SECTIONS AND PARTIAL WALL ELEVATIONS

PROJECT NO.
22-12499

DRAWING
A410

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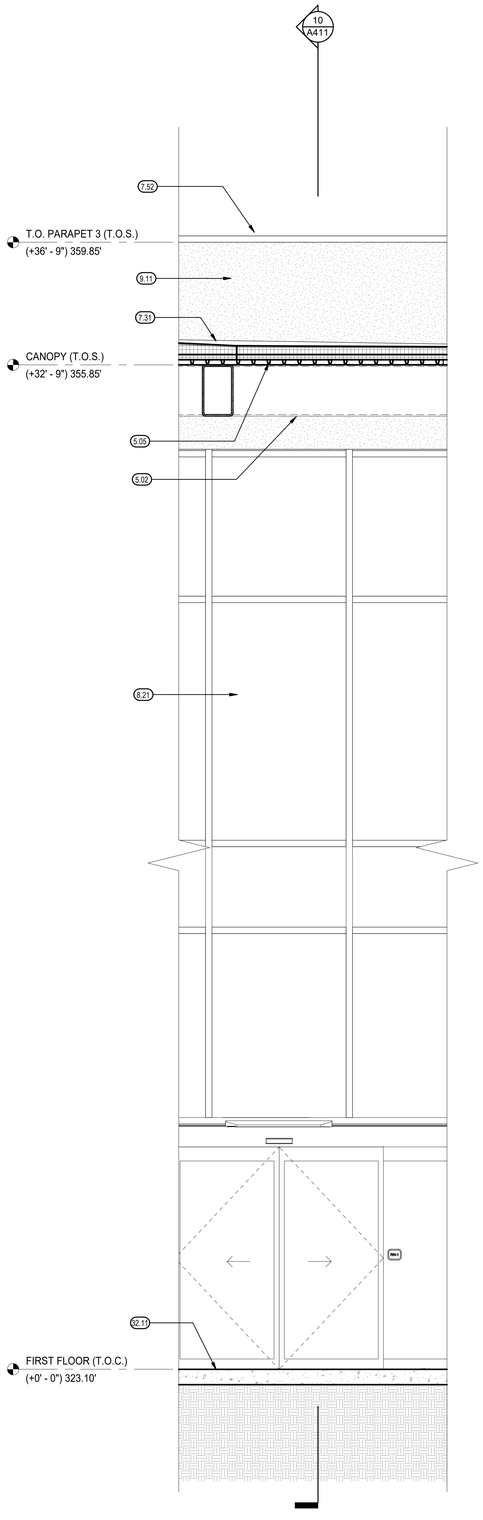

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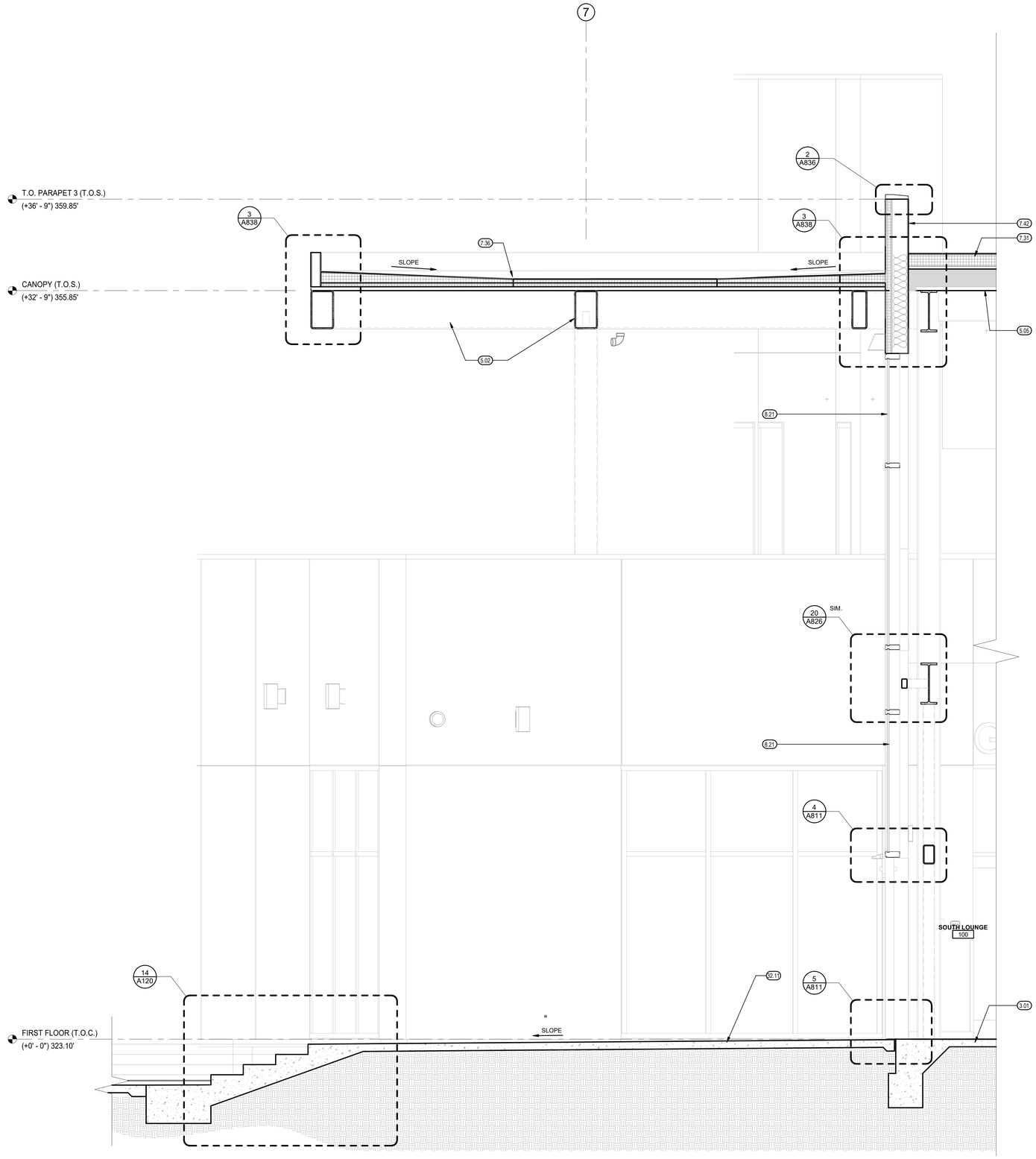

SECTION

KEYNOTES

20.00

3.01	CONCRETE SLAB, SEE STRUCTURAL
5.02	TUBE STEEL TYP. - SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.36	SINGLE PLY ROOFING SYSTEM
7.42	SINGLE-PLY ROOF WALL FLASHING
7.52	PARAPET CAP, SEE **2 / A836**
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.11	CEMENT PLASTER
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

WALL SECTION AND PARTIAL WALL ELEVATION

1/2" = 1'-0" | 10

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WALL SECTIONS AND PARTIAL WALL ELEVATIONS

PROJECT NO.
22-12499

DRAWING
A411

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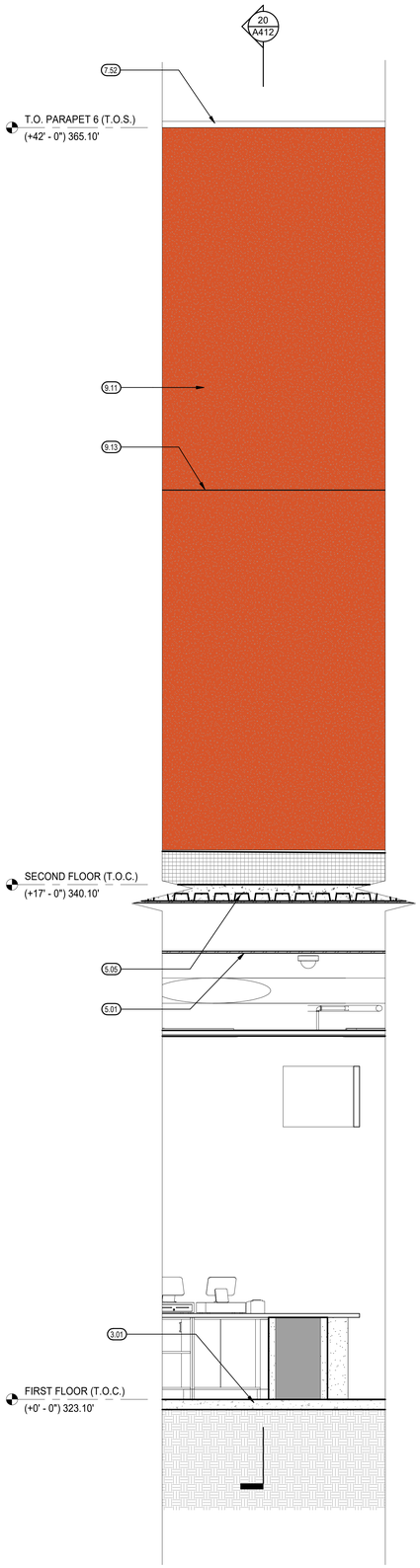

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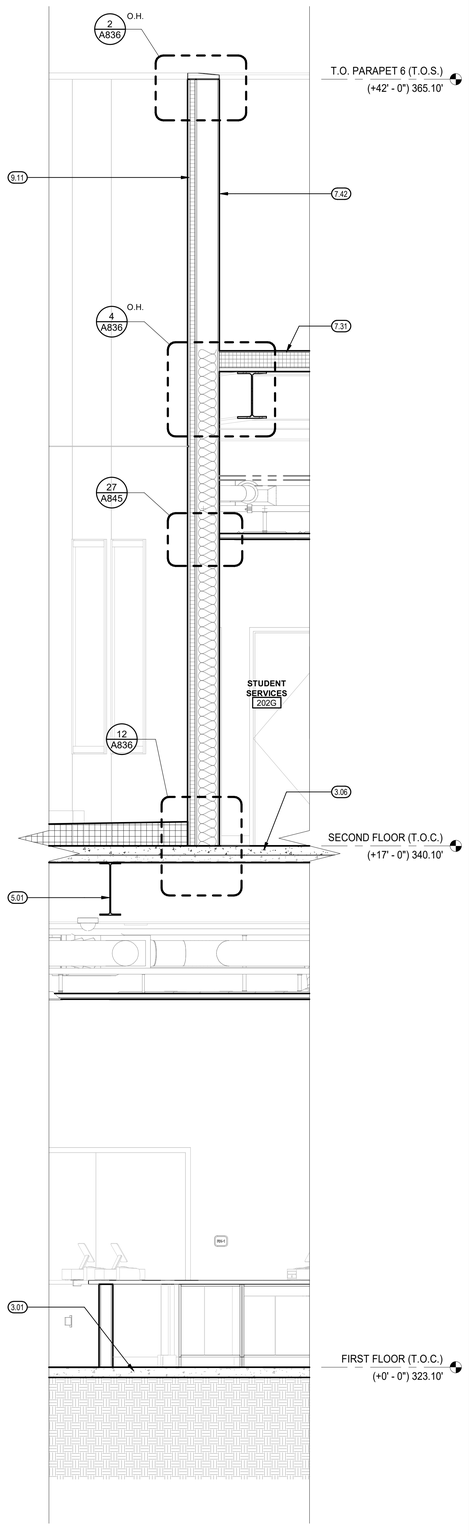
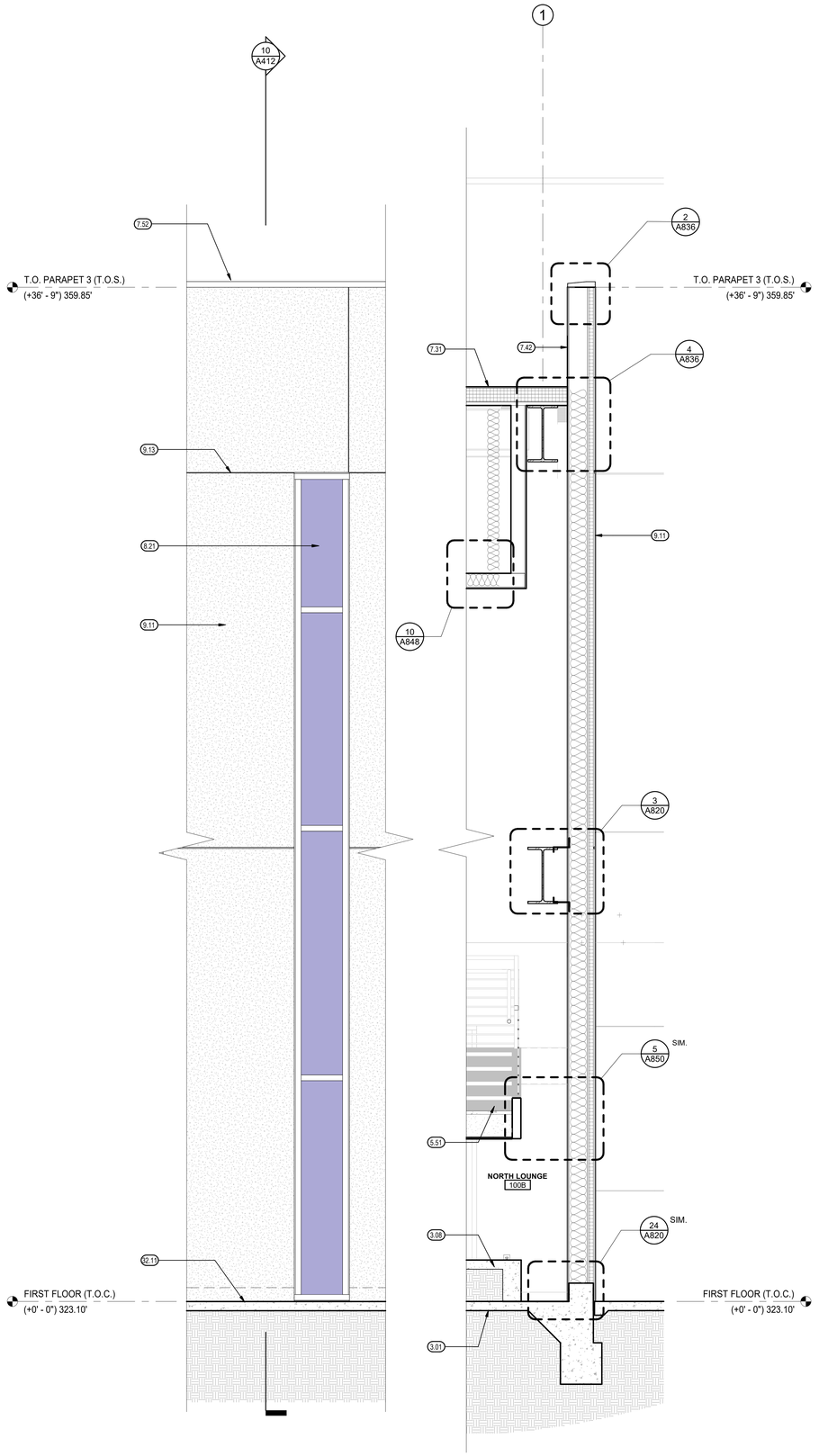


SECTION

WALL SECTION AND PARTIAL WALL ELEVATION 1/2" = 1'-0" 20



ELEVATION

SECTION

WALL SECTION AND PARTIAL WALL ELEVATION 1/2" = 1'-0" 10

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.08	CONCRETE BENCH, SEE **5 / A830**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.42	SINGLE-PLY ROOF WALL FLASHING
7.52	PARAPET CAP, SEE **2 / A836**
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.11	CEMENT PLASTER
9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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DRAWING TITLE
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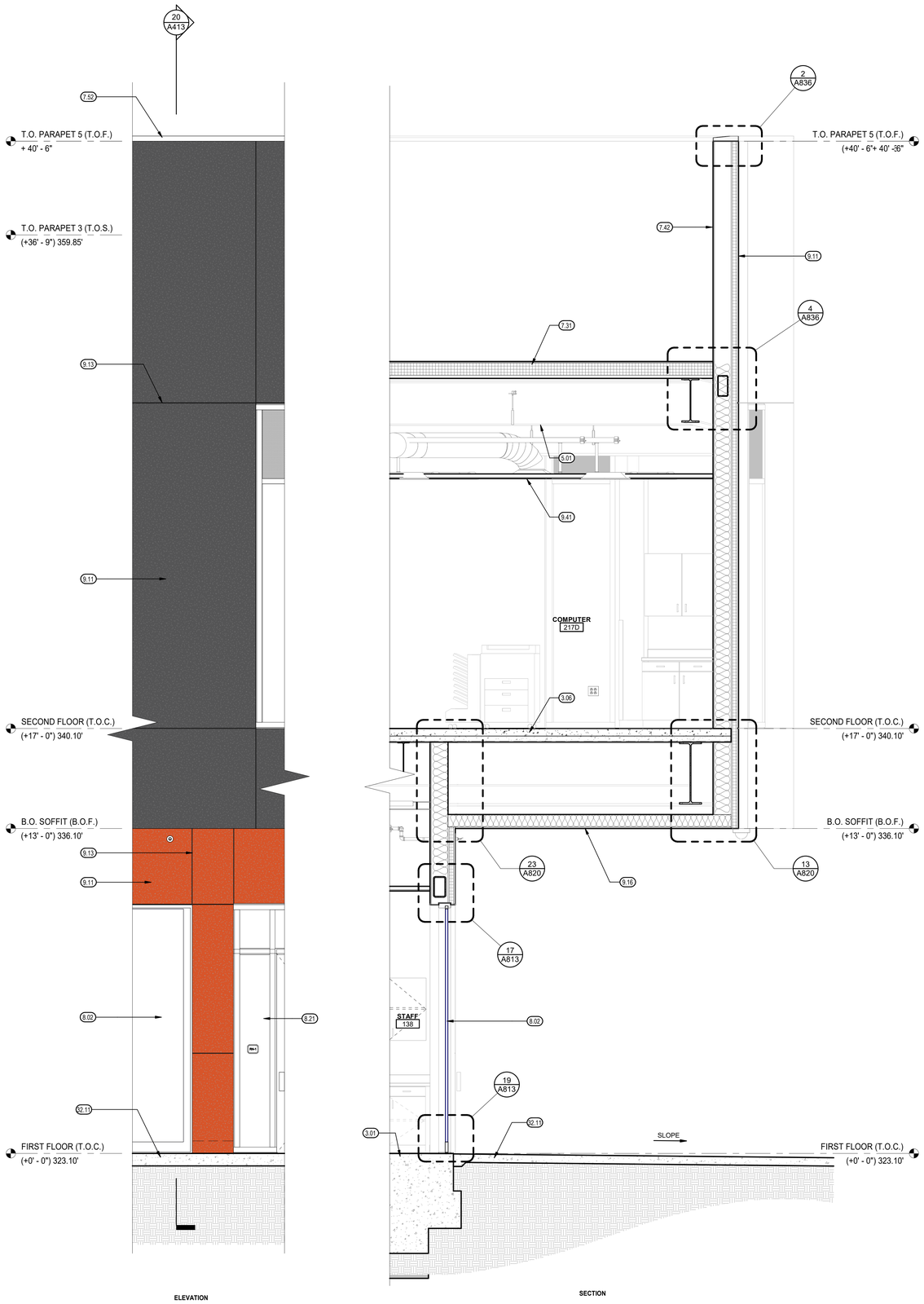
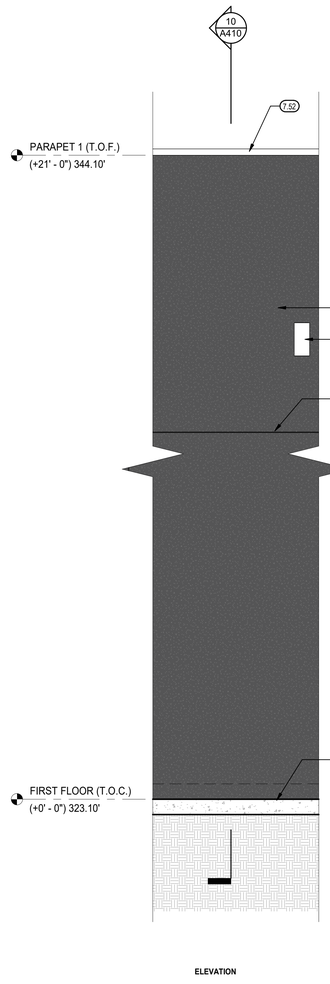


ELEVATION

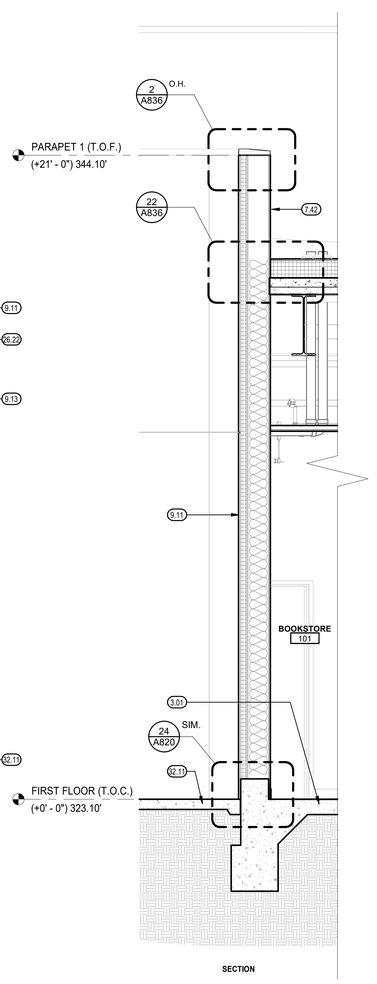
SECTION

WALL SECTION AND PARTIAL WALL ELEVATION

1/2" = 1'-0" | 20



ELEVATION



SECTION

WALL SECTION AND PARTIAL WALL ELEVATION

1/2" = 1'-0" | 10

KEYNOTES

X0.00

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.42	SINGLE-PLY ROOF WALL FLASHING
7.52	PARAPET CAP, SEE **2 / A836**
8.02	SLIDING DOOR, SEE SCHEDULE
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.11	CEMENT PLASTER
9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
9.16	CEMENT PLASTER SOFFIT
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
26.22	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

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WALL SECTION AND PARTIAL WALL ELEVATIONS

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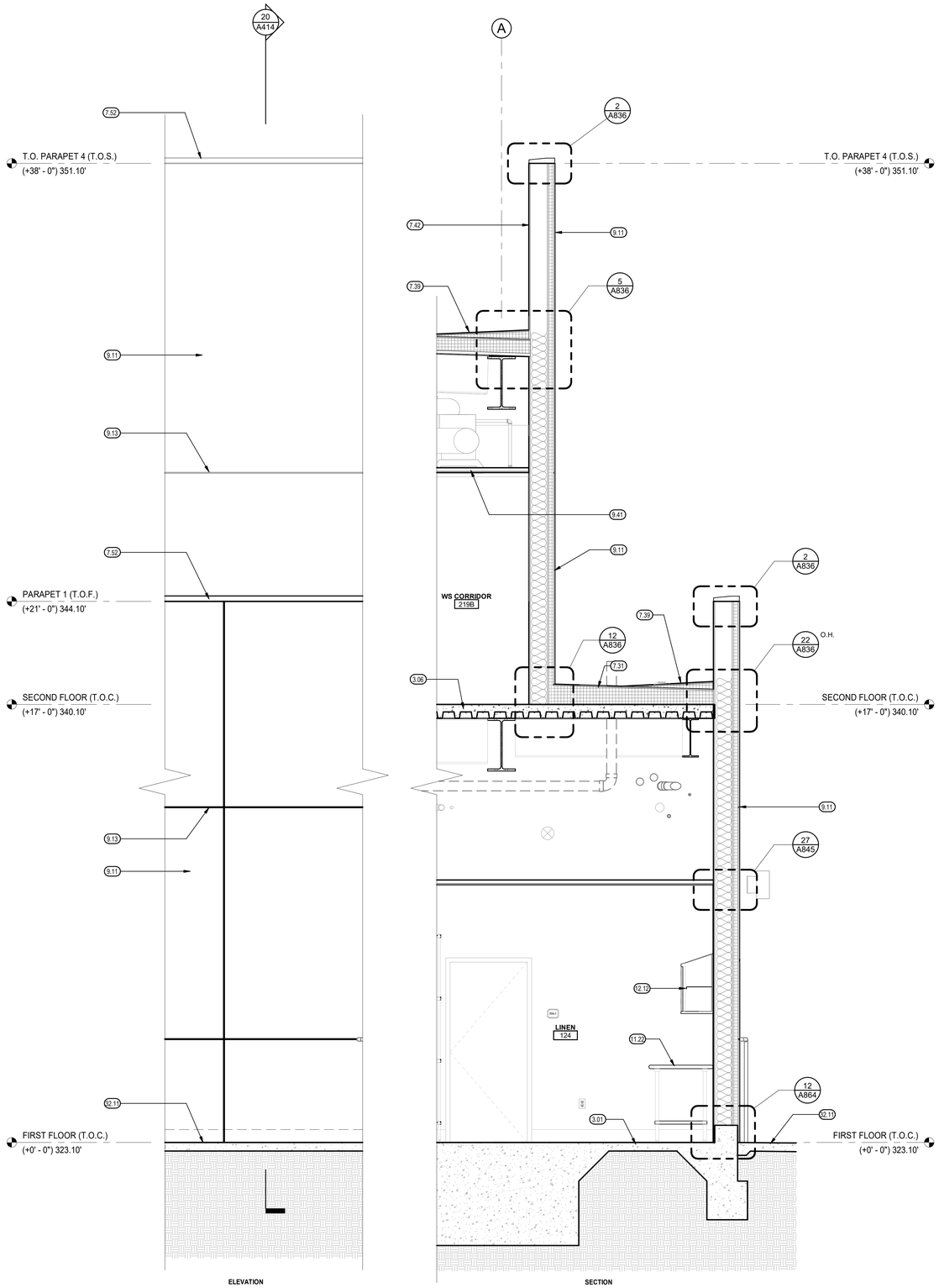
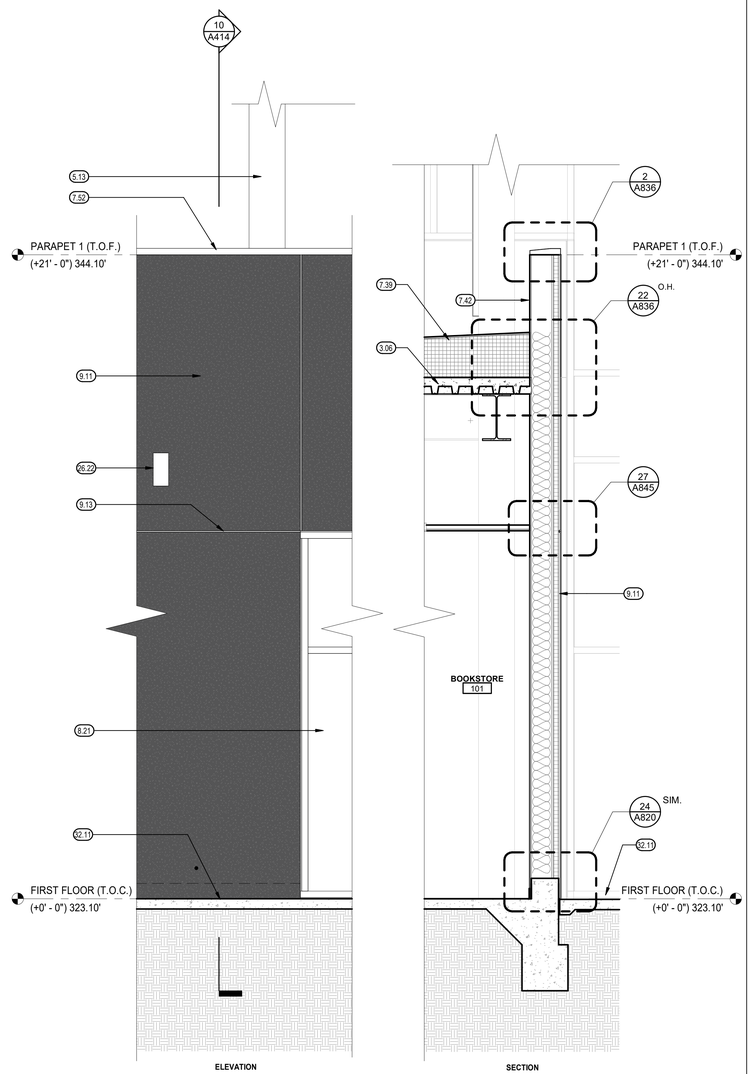


WALL SECTION AND PARTIAL WALL ELEVATION — 1/2" = 1'-0" — 20



WALL SECTION AND PARTIAL WALL ELEVATION — 1/2" = 1'-0" — 10

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.13	HSS COLUMN, TYP. - SEE STRUCTURAL
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.39	TAPERED INSULATION CRICKET, TYP.
7.42	SINGLE-PLY ROOF WALL FLASHING
7.52	PARAPET CAP, SEE **2 / A836**
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.11	CEMENT PLASTER
9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
11.22	WORK TABLE
12.12	STAINLESS STEEL UPPER CABINET
26.22	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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LICENSED ARCHITECT * STEVEN M. PALADINO * No. C-31277 * REGISTERED PROFESSIONAL ENGINEER * STATE OF CALIFORNIA

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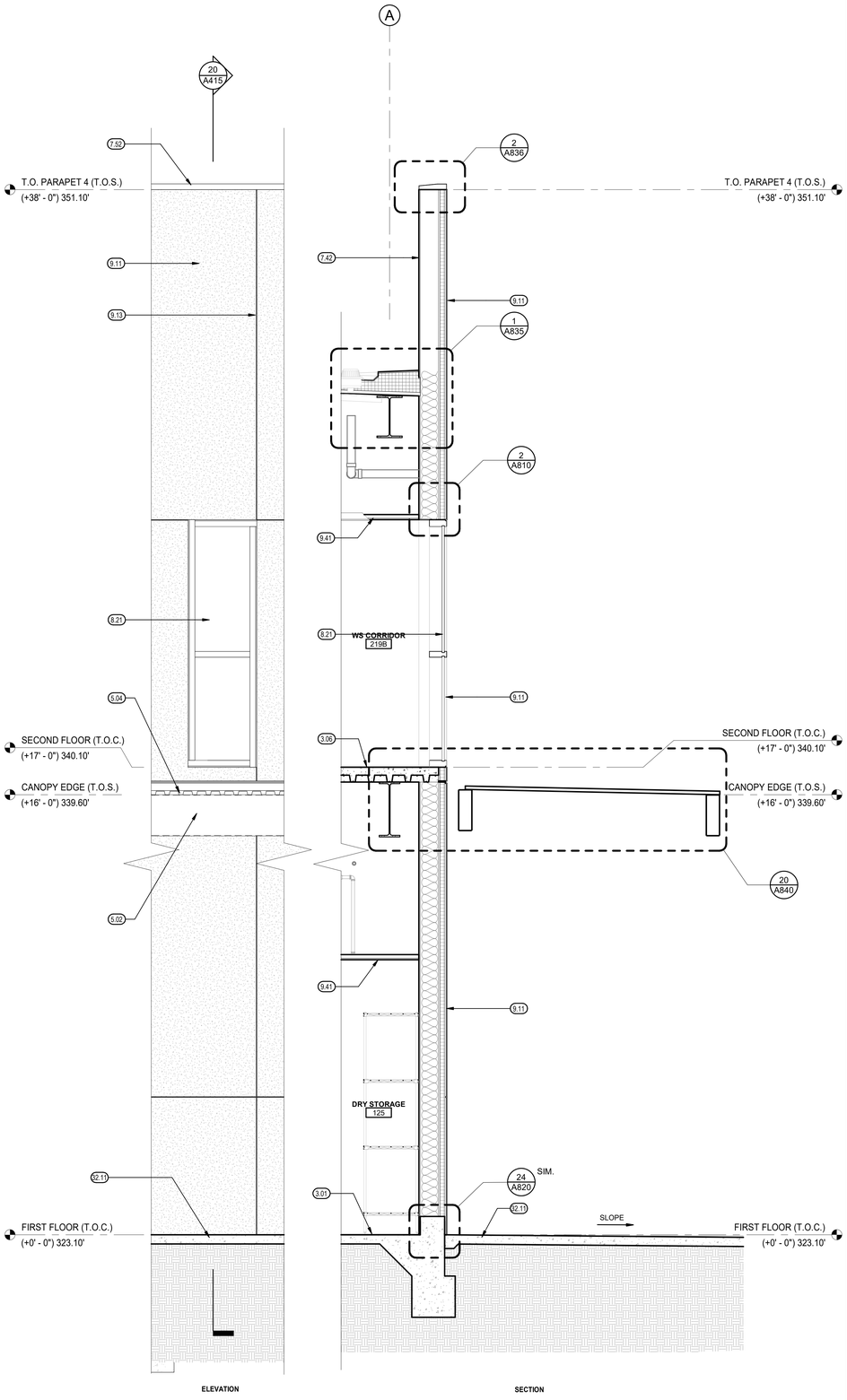
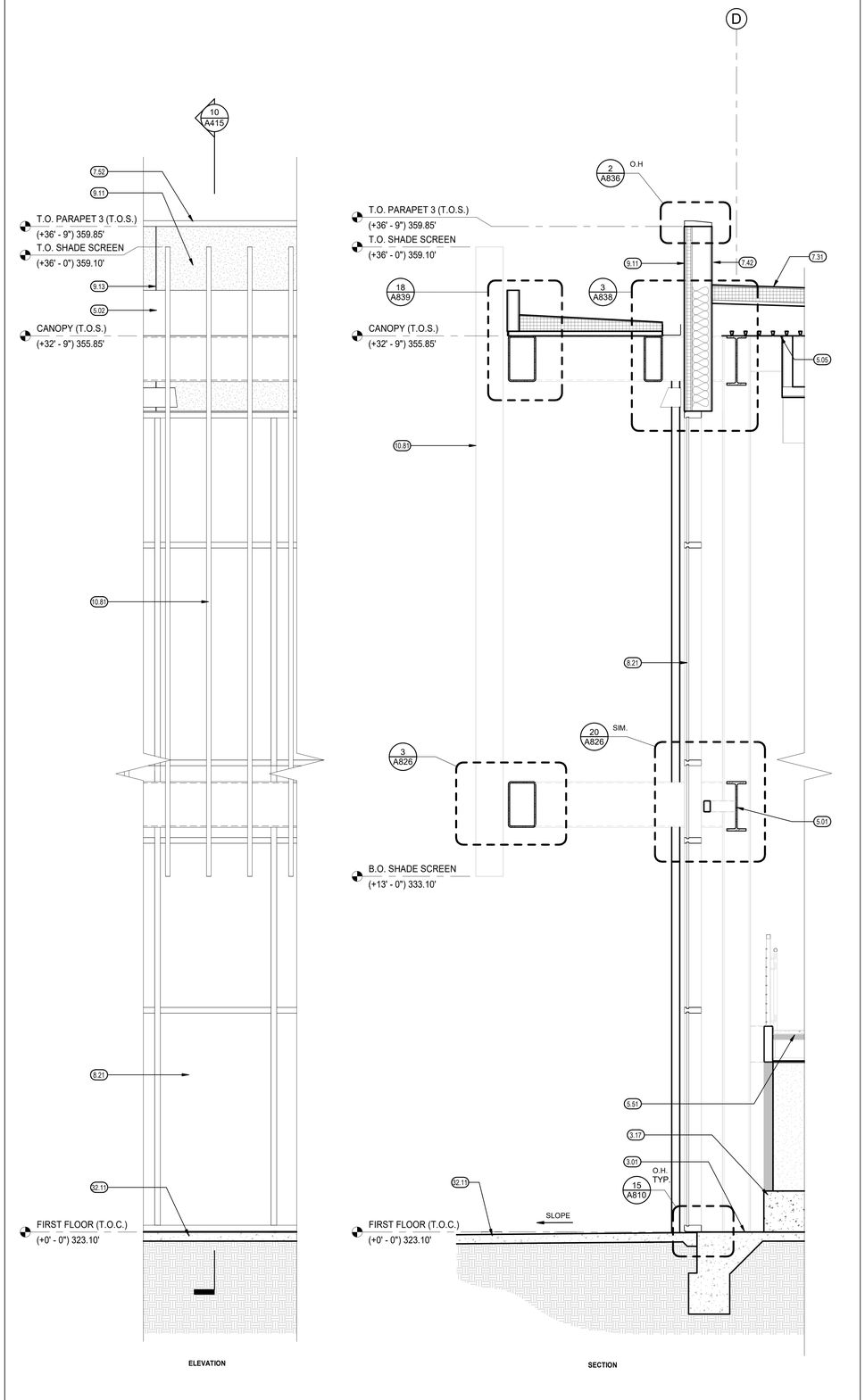


WALL SECTION AND PARTIAL WALL ELEVATION 1/2" = 1'-0" 20



WALL SECTION AND PARTIAL WALL ELEVATION 1/2" = 1'-0" 10

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.17	RAISED CONCRETE SLAB ,SEE **5 / A530**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.02	TUBE STEEL TYP. - SEE STRUCTURAL
5.04	METAL DECK, SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.42	SINGLE-PLY ROOF WALL FLASHING
7.52	PARAPET CAP, SEE **2 / A836**
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.11	CEMENT PLASTER
9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
10.81	EXTERIOR SUN CONTROL DEVICE, SEE **2 / A830**, **2 / A831**, **2 / A832**
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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WALL SECTIONS AND PARTIAL WALL ELEVATIONS

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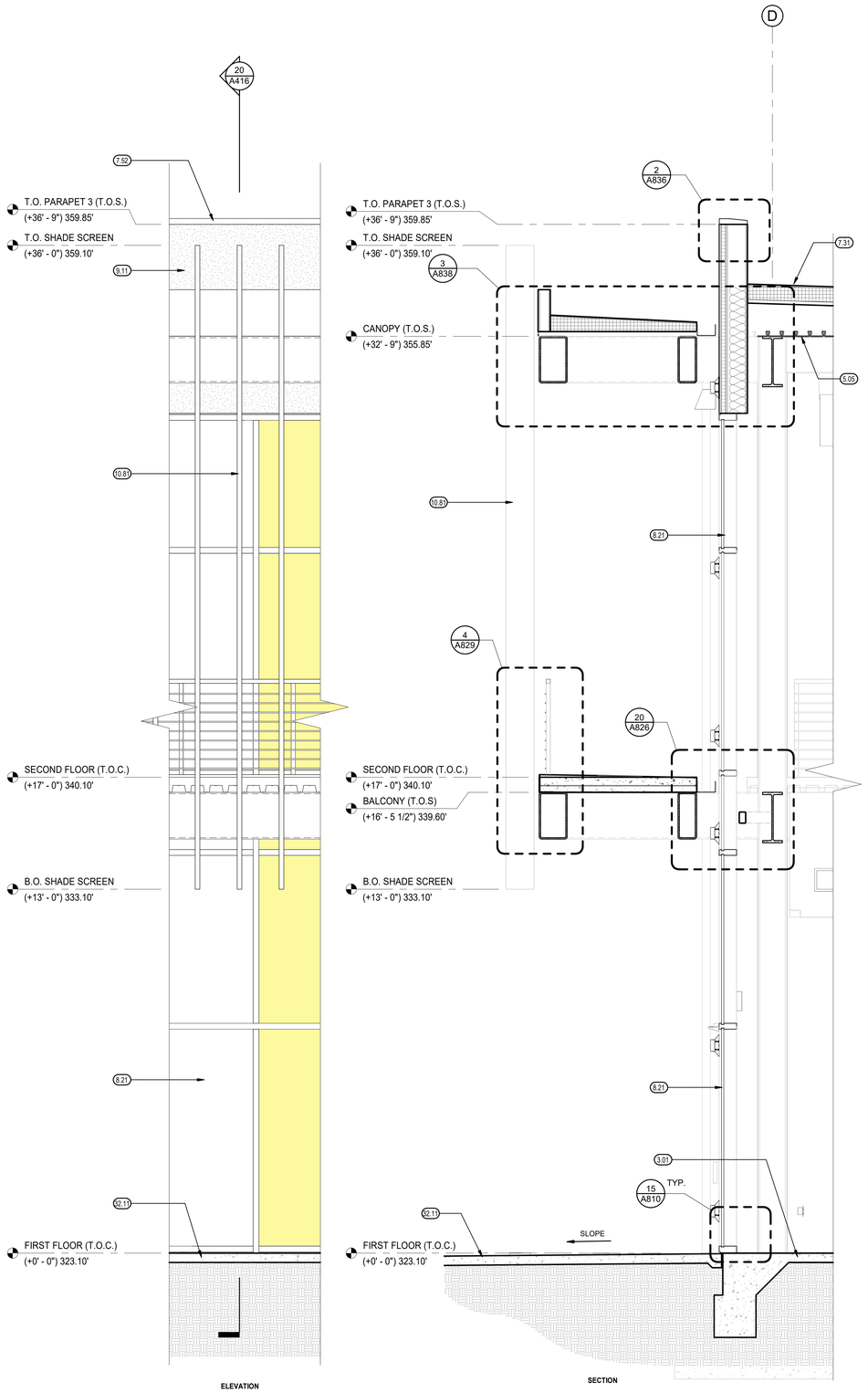
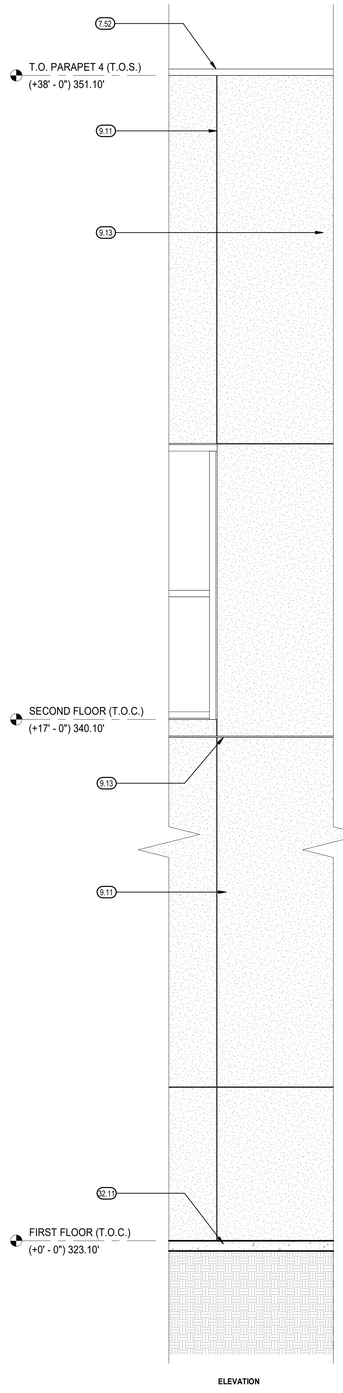


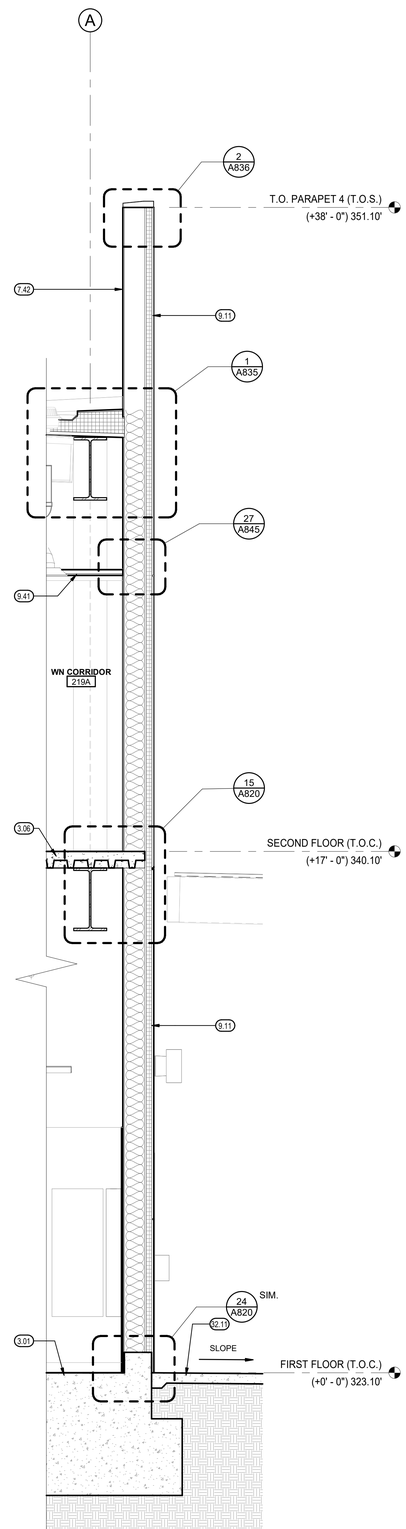
ELEVATION

SECTION

WALL SECTION AND PARTIAL WALL ELEVATION 1/2" = 1'-0" 20



ELEVATION



SECTION

WALL SECTION AND PARTIAL WALL ELEVATION 1/2" = 1'-0" 10

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
7.31	ROOF ASSEMBLY, TYP., SEE ROOF PLAN
7.42	SINGLE-PLY ROOF WALL FLASHING
7.52	PARAPET CAP, SEE **2 / A836**
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.11	CEMENT PLASTER
9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
10.81	EXTERIOR SUN CONTROL DEVICE, SEE **2 / A830**, **2 / A831**, **2 / A832**
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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DRAWING TITLE
WALL SECTIONS AND PARTIAL WALL ELEVATIONS

PROJECT NO.
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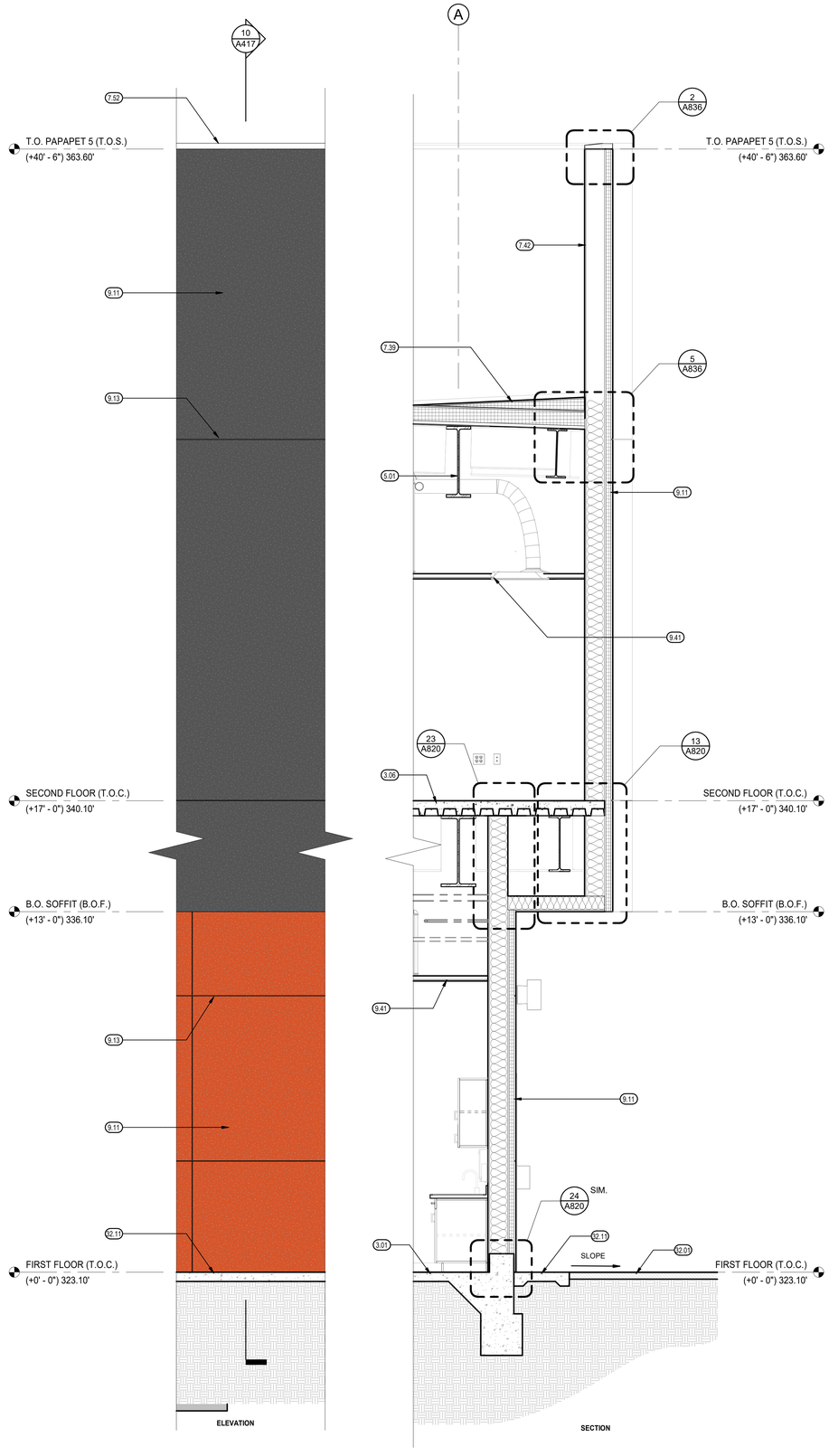

KEYNOTES

30.00

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
7.39	TAPERED INSULATION CRICKET, TYP.
7.42	SINGLE-PLY ROOF WALL FLASHING
7.52	PARAPET CAP, SEE **2 / A836**
9.11	CEMENT PLASTER
9.13	CEMENT PLASTER REVEAL 'V' SCREED, TYP. - SEE **25 / A820**
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
32.01	AC PAVING, SEE CIVIL
32.11	CONCRETE PAVING/WALK, SEE CIVIL

GENERAL NOTES

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WALL SECTION AND PARTIAL WALL ELEVATION 1/2" = 1'-0" 10

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WALL SECTIONS AND PARTIAL WALL ELEVATIONS

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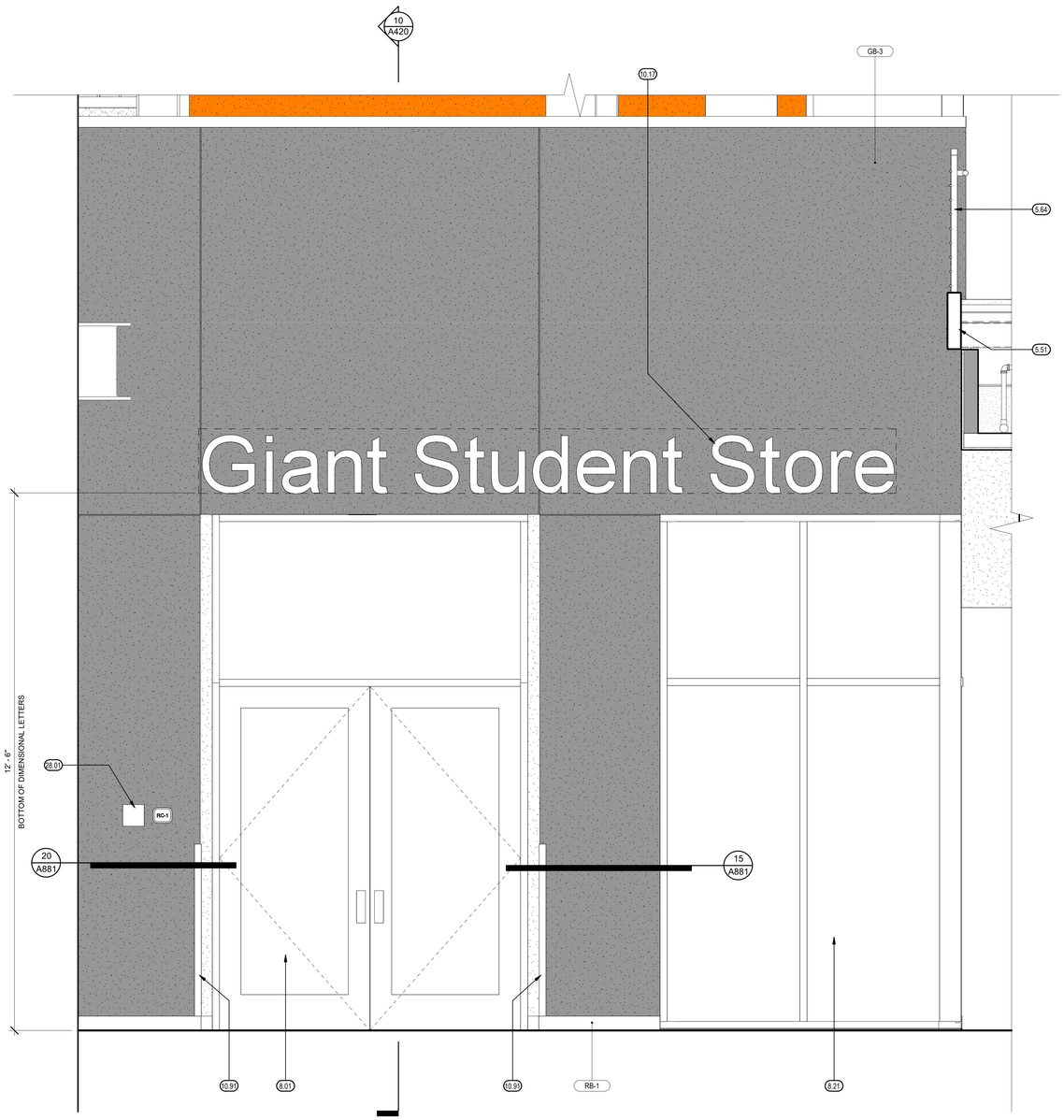

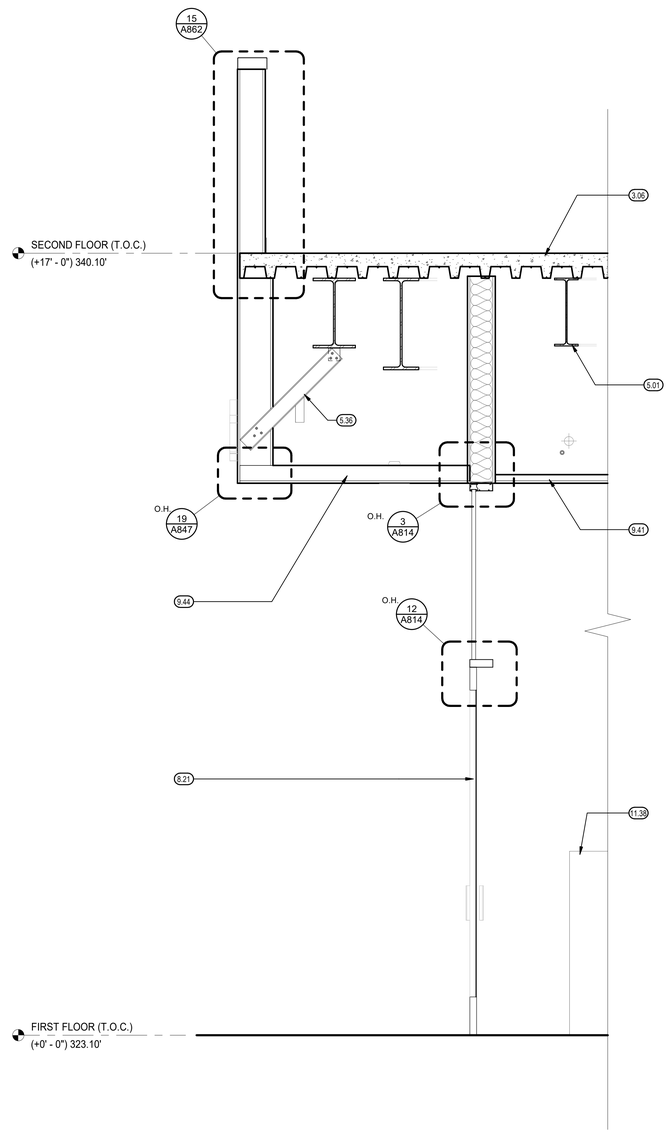

KEYNOTES

3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.36	400S162-33 METAL STUD DIAGONAL BRACE AT 4'-0" O.C., SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
5.64	GUARDRAIL, TYP. SEE **25 / A850**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
9.44	GYPSUM BOARD SOFFIT
10.17	18" ACRYLIC DIMENSIONAL LETTERS, BACK LIT, SEE **22 / A863**
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.38	SECURITY GATE, SEE ELECTRICAL AND **15 / A861**
28.01	FIRE ALARM CONTROL PANEL, O.F.C.I, SEE ELECTRICAL

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-3	CERAMIC WALL TILE 2" x 2"		FACTORY FINISH	3 COLORS	
CT-4	CERAMIC WALL TILE 4" x 4"		FACTORY FINISH	3 COLORS	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH		
CT-6	CERAMIC WALL TILE 4" x 12"		FACTORY FINISH		
EP-1	6" RESINOUS FLOORING COVED BASE	STONHARD	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	
FRP-W	FIBER REINFORCED PANEL	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
FRL	FIBER REINFORCED LAMINATE	PANOLAM	FACTORY FINISH	STAINLESS METALX	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-2	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	ORANGE	
GB-3	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREY	
GB-4	SKIM COAT CEMENT PLASTER o/ GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-5	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREEN	
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	GALVALUME	
MP-2	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	CUSTOM ORANGE	
MP-3	CORRUGATED METAL PANEL WALL ASSEMBLY	METAL SALES (7/8")	FACTORY FINISH	GALVALUME	
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
RB-2	6" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
SS-B	6" HIGH 18 GA. STAINLESS STEEL COVED WALL BASE		FACTORY FINISH	STAINLESS STEEL	
WD-1	COMPOSITE BOARD SIDING		FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	

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WALL SECTION AND PARTIAL ELEVATION - BOOKSTORE

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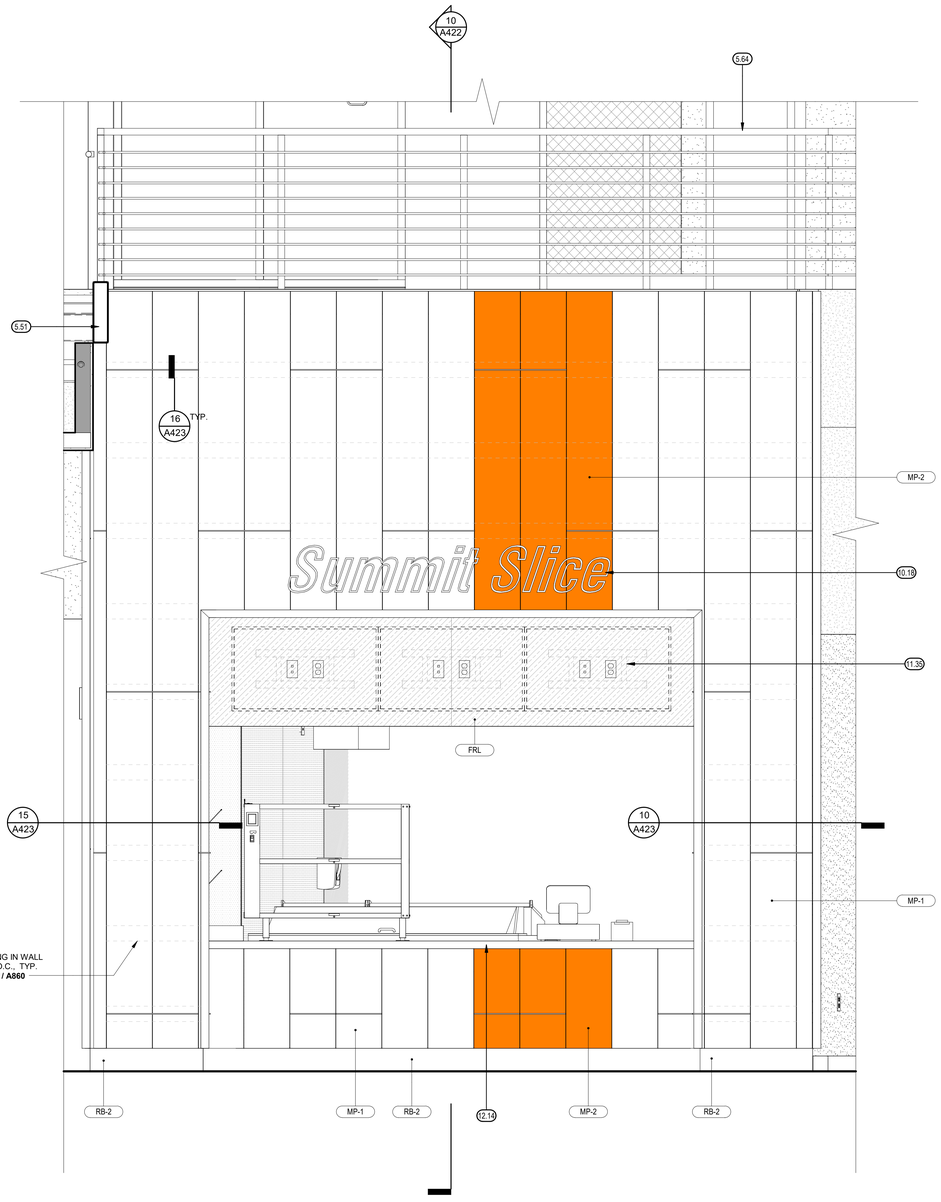

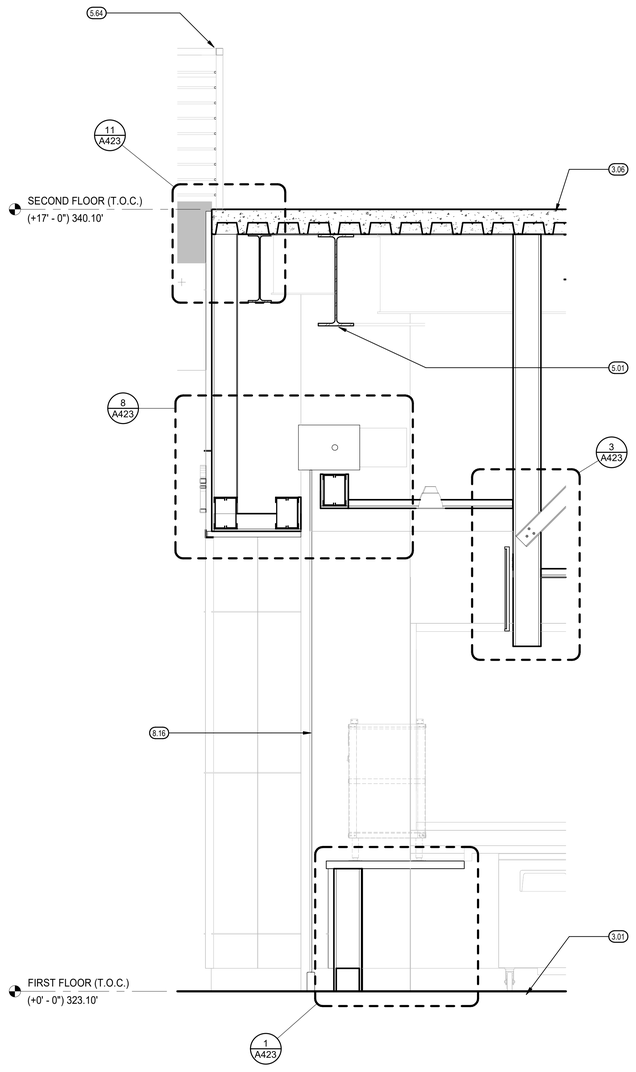

KEYNOTES

(X0.00)

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
5.64	GUARDRAIL, TYP. SEE **20 / A851**
8.16	ROLL-UP SECURITY GRILLE, SEE DOOR SCHEDULE
10.18	12" ACRYLIC DIMENSIONAL LETTERS, BACK LIT, SEE
11.35	MONITOR BRACKET O.F.C.I. WALL MOUNTED, SEE **17 / A860**
12.14	STAINLESS STEEL COUNTERTOP

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-3	CERAMIC WALL TILE 2" x 2"		FACTORY FINISH	3 COLORS	
CT-4	CERAMIC WALL TILE 4" x 4"		FACTORY FINISH	3 COLORS	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH		
CT-6	CERAMIC WALL TILE 4" x 12"		FACTORY FINISH		
EP-1	6" RESINOUS FLOORING COVED BASE	STONHARD	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	
FRP-W	FIBER REINFORCED PANEL	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
FRL	FIBER REINFORCED LAMINATE	PANOLAM	FACTORY FINISH	STAINLESS METALX	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-2	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	ORANGE	
GB-3	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREY	
GB-4	SKIM COAT CEMENT PLASTER o/ GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-5	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREEN	
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	GALVALUME	
MP-2	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	CUSTOM ORANGE	
MP-3	CORRUGATED METAL PANEL WALL ASSEMBLY	METAL SALES (7/8")	FACTORY FINISH	GALVALUME	
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
RB-2	6" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
SS-B	6" HIGH 18 GA. STAINLESS STEEL COVED WALL BASE		FACTORY FINISH	STAINLESS STEEL	
WD-1	COMPOSITE BOARD SIDING		FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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B	08-14-26	DSA BACKCHECK

TETER, INC.
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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WALL SECTION AND PARTIAL ELEVATION - SUMMIT SLICE

PROJECT NO.
22-12499

DRAWING
A422

PLOT DATE: 8/14/2026 10:58:32 AM

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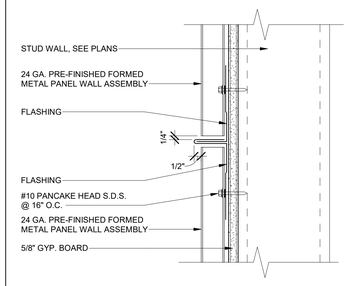
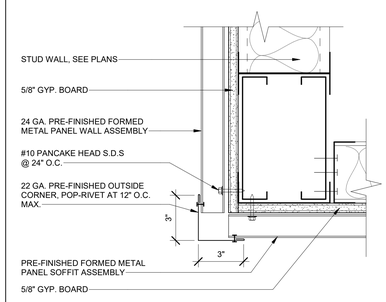
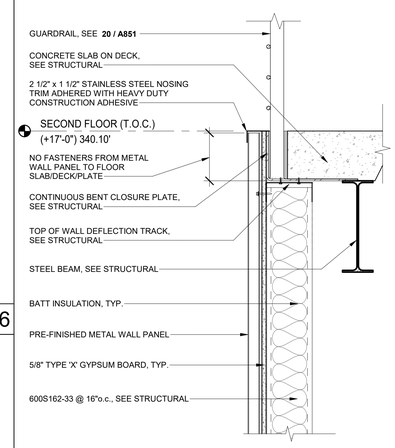


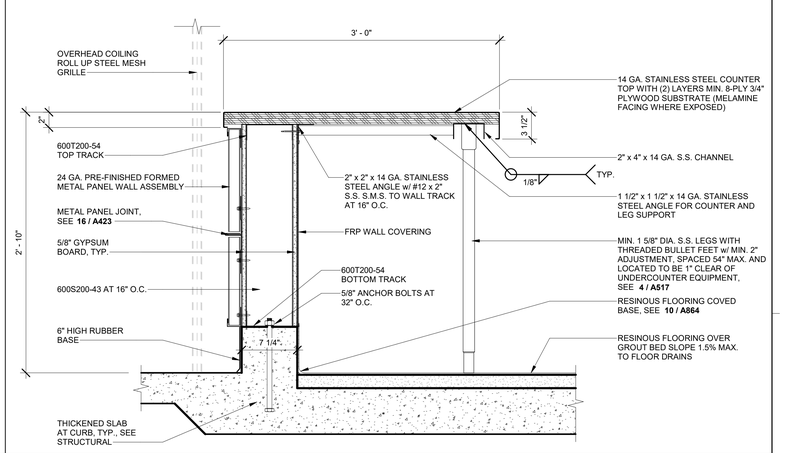
METAL PANEL JOINT 3" = 1'-0" | 16



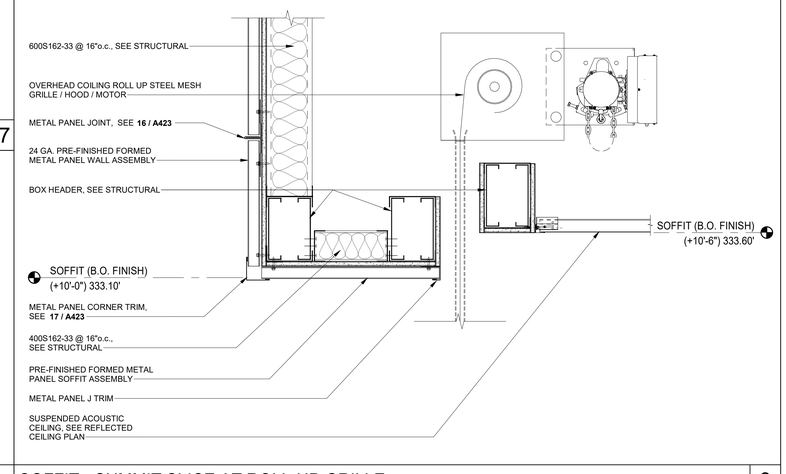
METAL PANEL OUTSIDE CORNER 3" = 1'-0" | 17



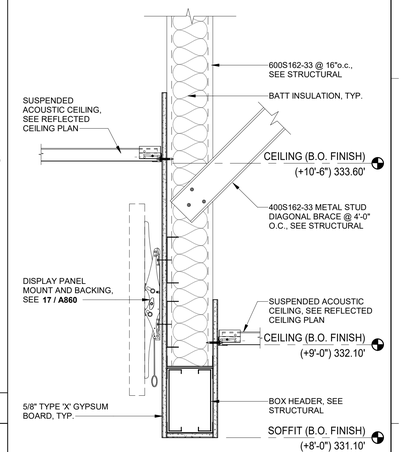
SUMMIT SLICE AT 2ND FLOOR 1 1/2" = 1'-0" | 11



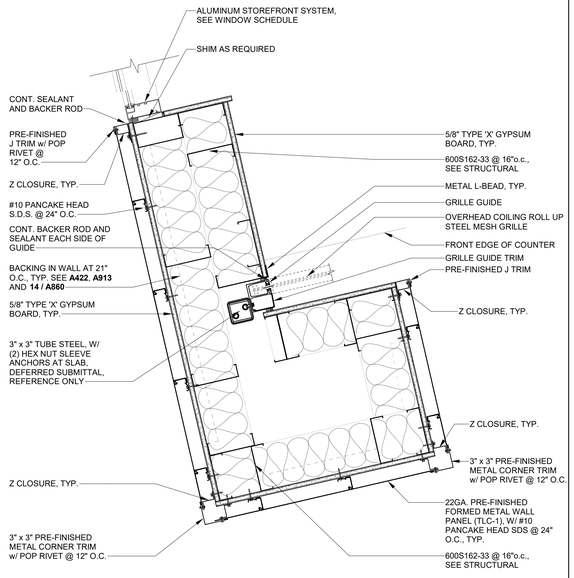
EAST COUNTER - SUMMIT SLICE 1 1/2" = 1'-0" | 1



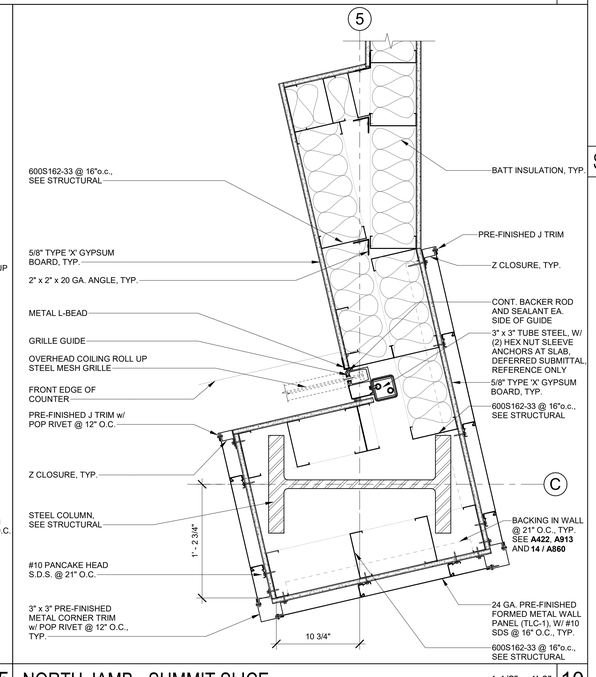
SOFFIT - SUMMIT SLICE AT ROLL-UP GRILLE 1 1/2" = 1'-0" | 8



SOFFIT - SUMMIT SLICE AT DISPLAYS 1 1/2" = 1'-0" | 3



SOUTH JAMB - SUMMIT SLICE 1 1/2" = 1'-0" | 15



NORTH JAMB - SUMMIT SLICE 1 1/2" = 1'-0" | 10

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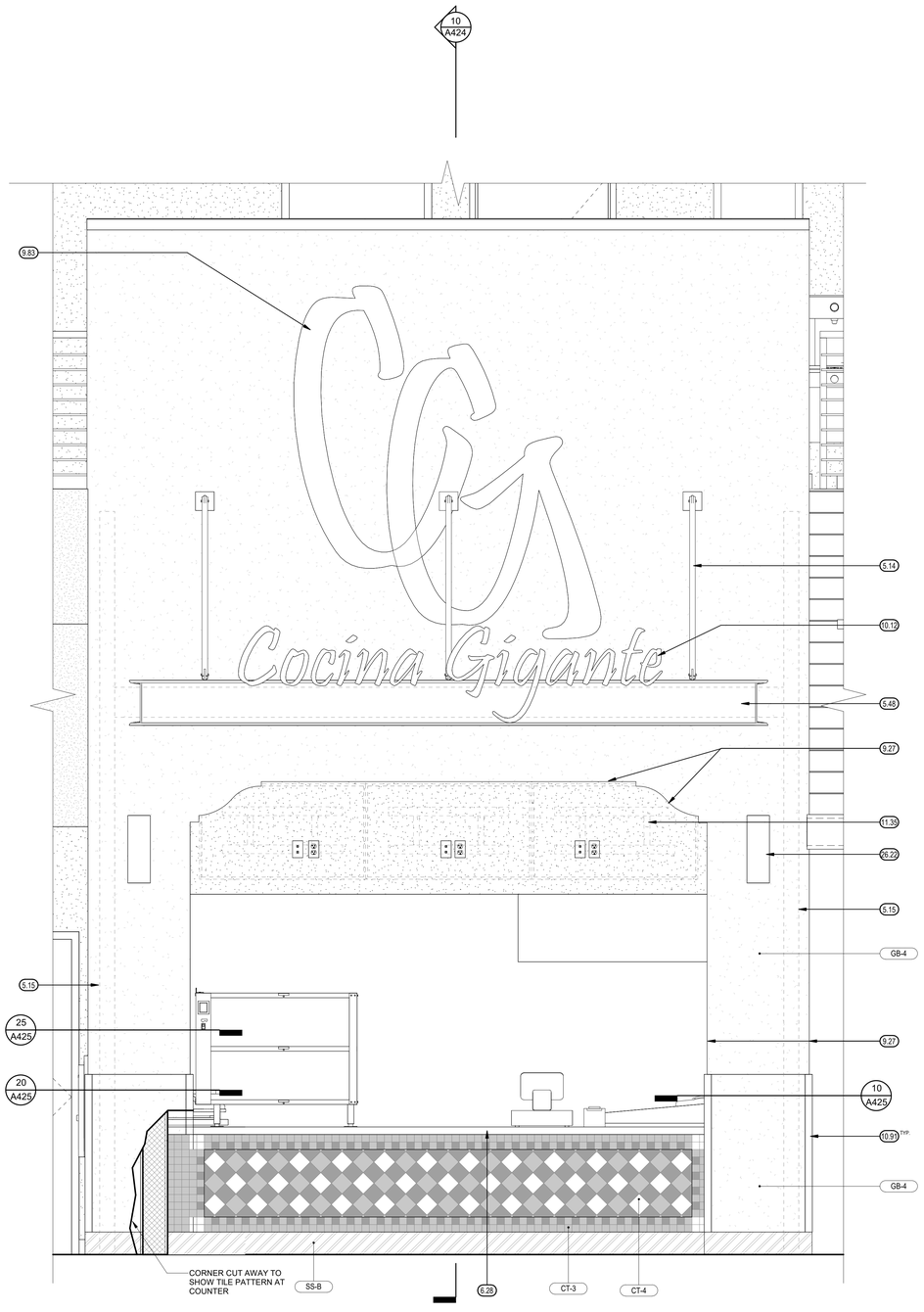
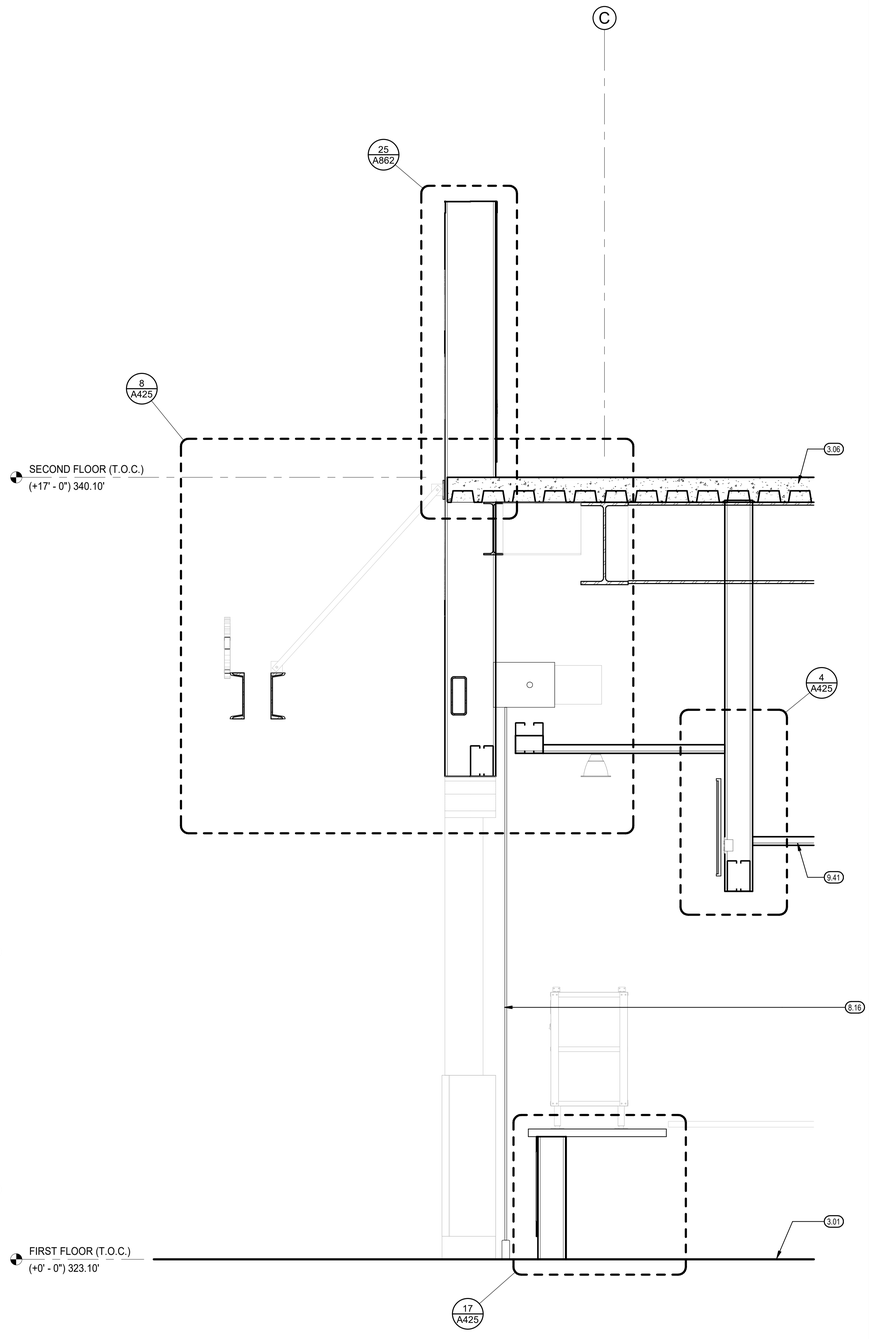
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DETAILS - SUMMIT SLICE

PROJECT NO.
22-12499

DRAWING
A423





KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.14	STRUCTURAL STEEL BRACE, PAINT
5.15	HSS COLUMN IN WALL, SEE STRUCTURAL
5.48	STEEL CANOPY, PAINT
6.28	SOLID SURFACE COUNTER TOP
8.16	ROLL-UP SECURITY GRILLE, SEE DOOR SCHEDULE
9.27	GYPSUM BOARD BULLNOSE CORNER, TYP.
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
9.83	PAINTED "CG" GRAPHICS ON WALL (72" TALL, FONT: PRISTINA)
10.12	DIMENSIONAL LETTER CHARACTER SIGNAGE FOR ANCHORAGE, SEE
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.35	MONITOR BRACKET O.F.C.I. WALL MOUNTED, SEE **17 / A860**
26.22	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-3	CERAMIC WALL TILE 2" x 2"		FACTORY FINISH	3 COLORS	
CT-4	CERAMIC WALL TILE 4" x 4"		FACTORY FINISH	3 COLORS	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH		
CT-6	CERAMIC WALL TILE 4" x 12"		FACTORY FINISH		
EP-1	6" RESINOUS FLOORING COVED BASE	STONHARD	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	
FRP-W	FIBER REINFORCED PANEL	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
FRL	FIBER REINFORCED LAMINATE	PANOLAM	FACTORY FINISH	STAINLESS METALX	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-2	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	ORANGE	
GB-3	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREY	
GB-4	SKIM COAT CEMENT PLASTER o/ GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-5	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREEN	
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	GALVALUME	
MP-2	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	CUSTOM ORANGE	
MP-3	CORRUGATED METAL PANEL WALL ASSEMBLY	METAL SALES (7/8")	FACTORY FINISH	GALVALUME	
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
RB-2	6" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
SS-B	6" HIGH 18 GA. STAINLESS STEEL COVED WALL BASE		FACTORY FINISH	STAINLESS STEEL	
WD-1	COMPOSITE BOARD SIDING		FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

WALL SECTION AND PARTIAL ELEVATION AT COCINA GIGANTE

3/4" = 1' - 0"

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WALL SECTION AND PARTIAL ELEVATION - COCINA GIGANTE

PROJECT NO.
22-12499

DRAWING
A424

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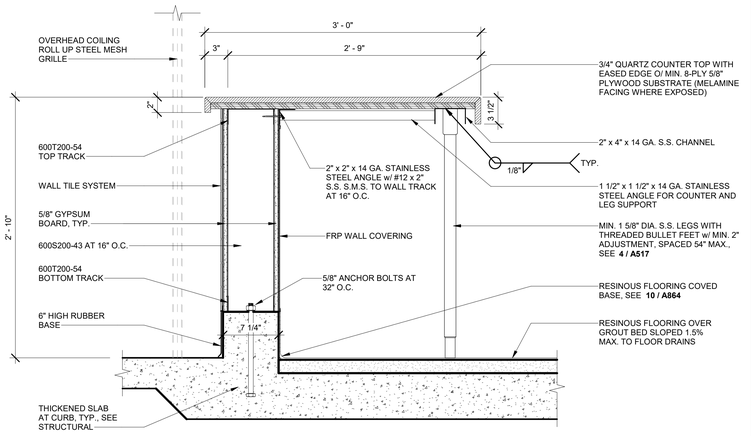
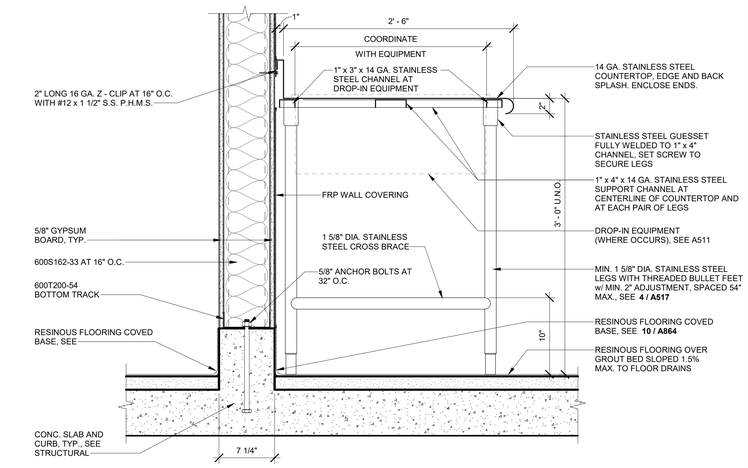


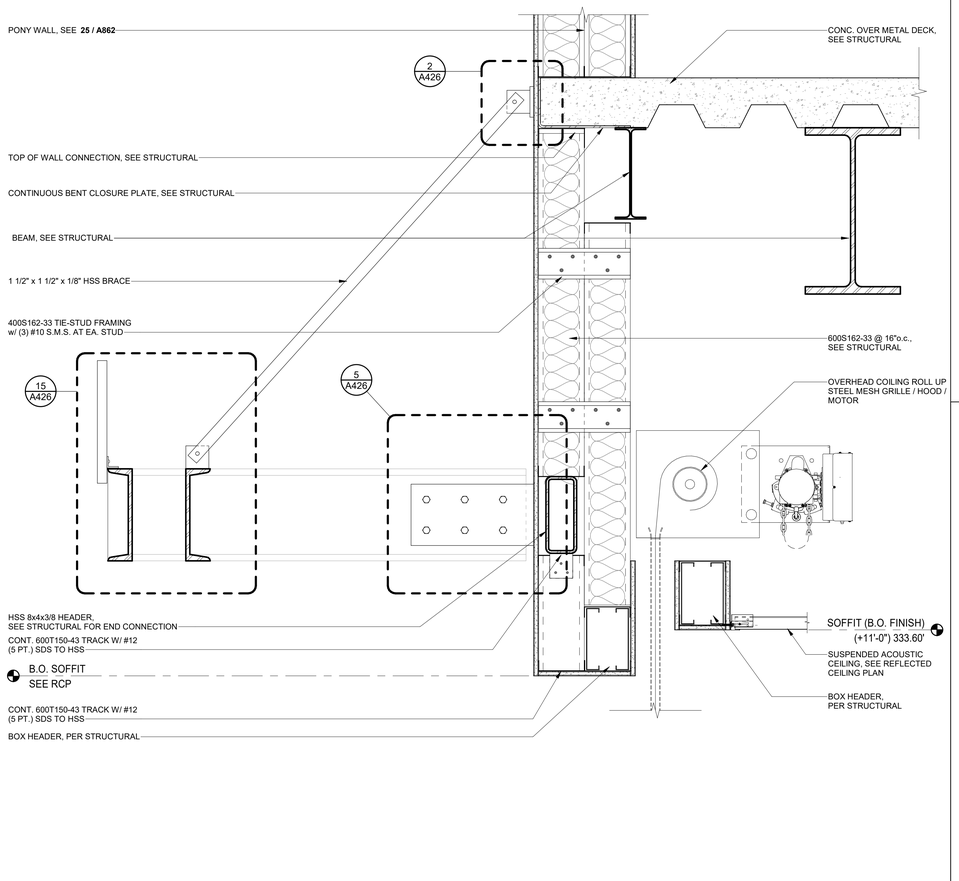
EAST COUNTER - COCINA GIGANTE

1 1/2" = 1'-0" | 17



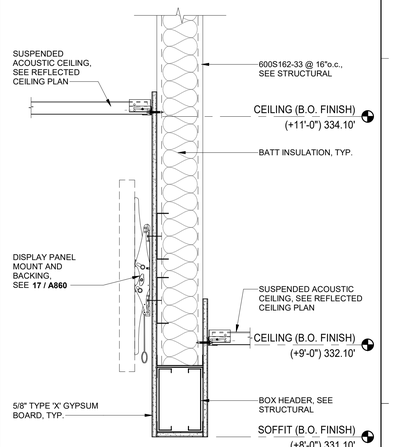
STAINLESS STEEL COUNTER - COCINA GIGANTE

1 1/2" = 1'-0" | 1



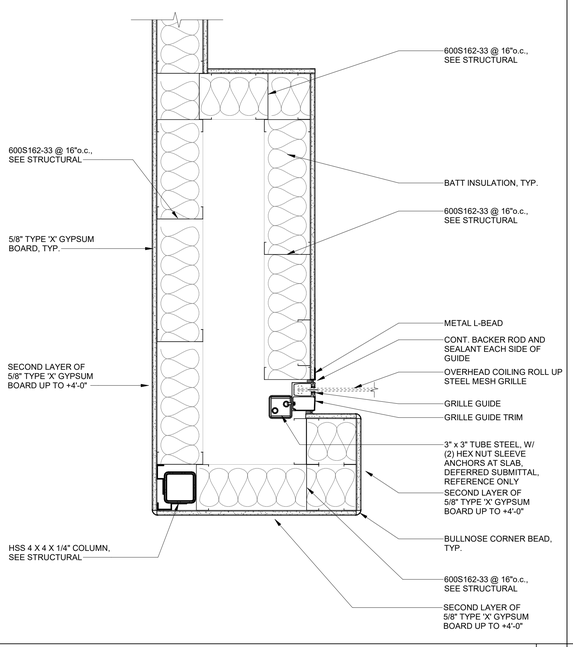
SOFFIT - COCINA GIGANTE

1 1/2" = 1'-0" | 8



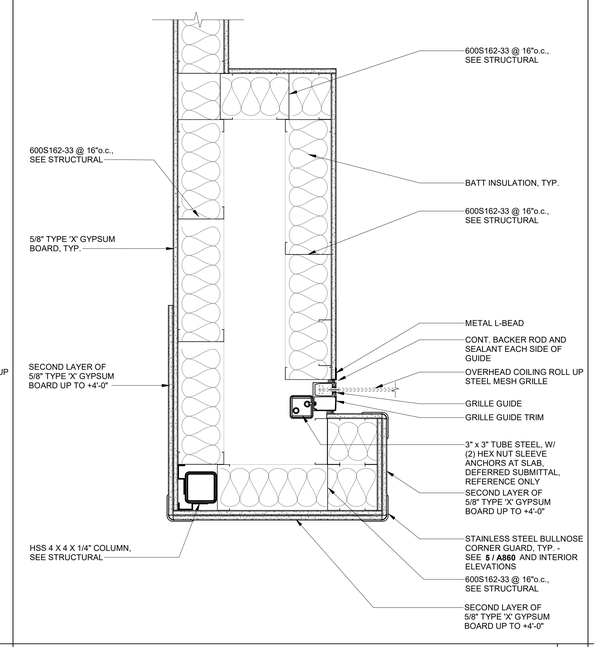
SOFFIT - COCINA GIGANTE AT DISPLAYS

1 1/2" = 1'-0" | 4



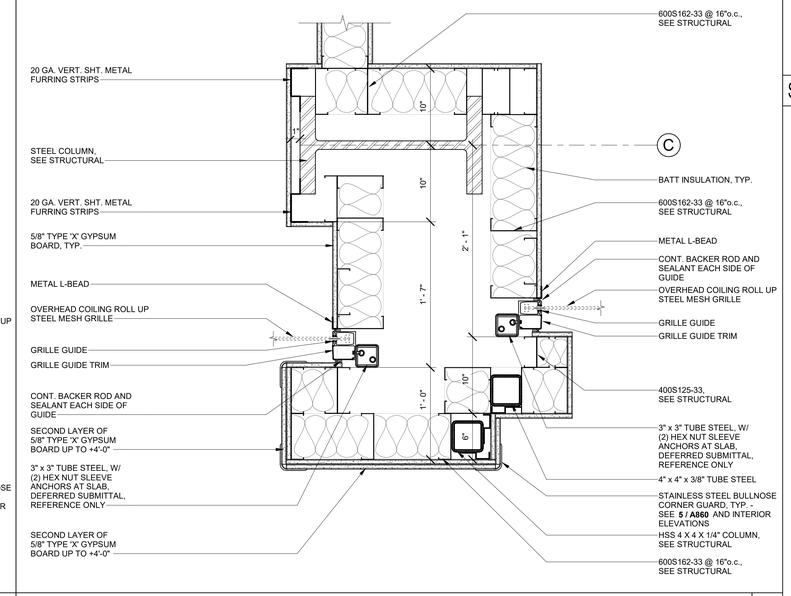
JAMB - COCINA GIGANTE (SOUTH)

1 1/2" = 1'-0" | 25



JAMB - COCINA GIGANTE (SOUTH)

1 1/2" = 1'-0" | 20



JAMB - COCINA GIGANTE (NORTH) AND THE GRIND (SOUTH)

1 1/2" = 1'-0" | 10

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DETAILS - COCINA GIGANTE

PROJECT NO.
22-12499

DRAWING
A425

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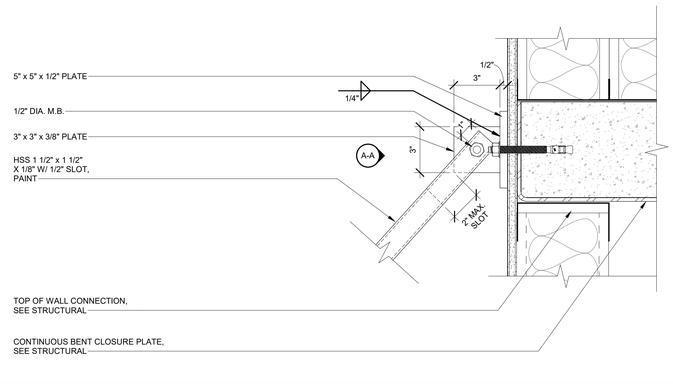
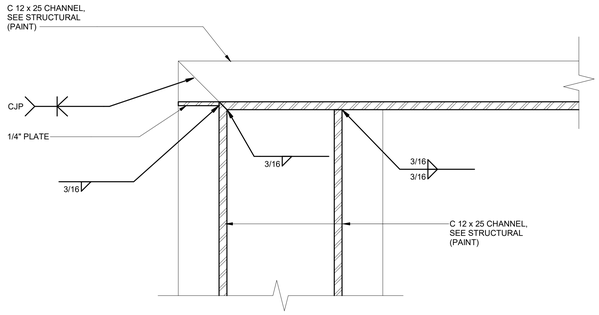


CANOPY AT SLAB EDGE - COCINA GIGANTE 3" = 1'-0" 2



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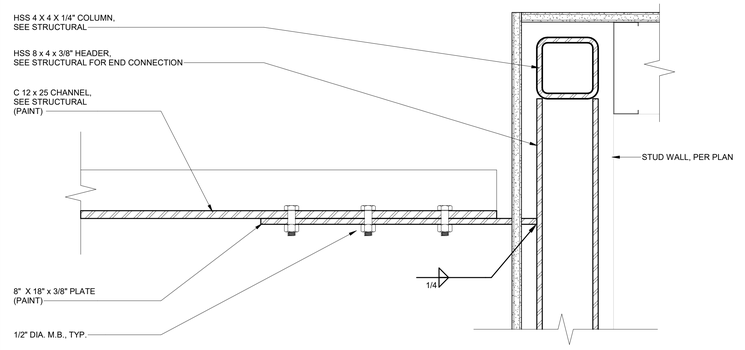

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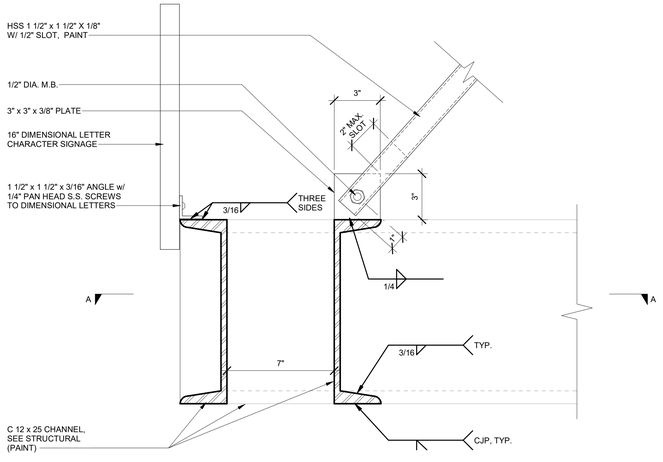

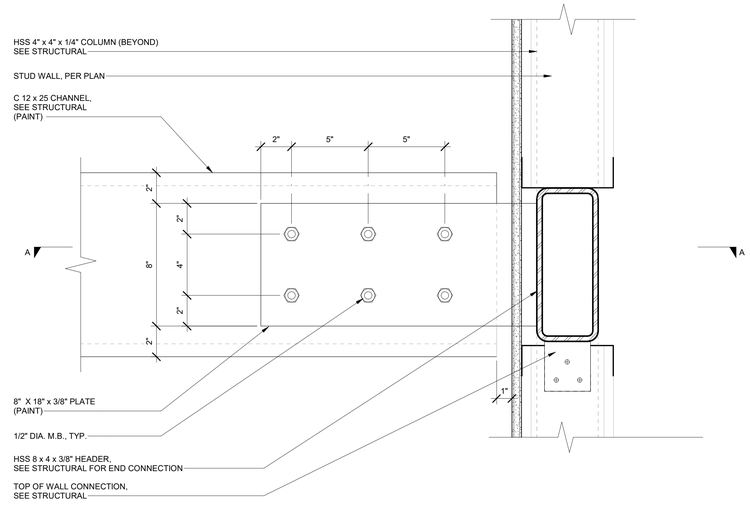

CANOPY EDGE - COCINA GIGANTE 3" = 1'-0" 15

CANOPY AT COLUMN - COCINA GIGANTE 3" = 1'-0" 5

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DRAWING TITLE
DETAILS - COCINA GIGANTE

PROJECT NO.
22-12499

DRAWING
A426

PLOT DATE: 8/14/2026 10:58:48 AM

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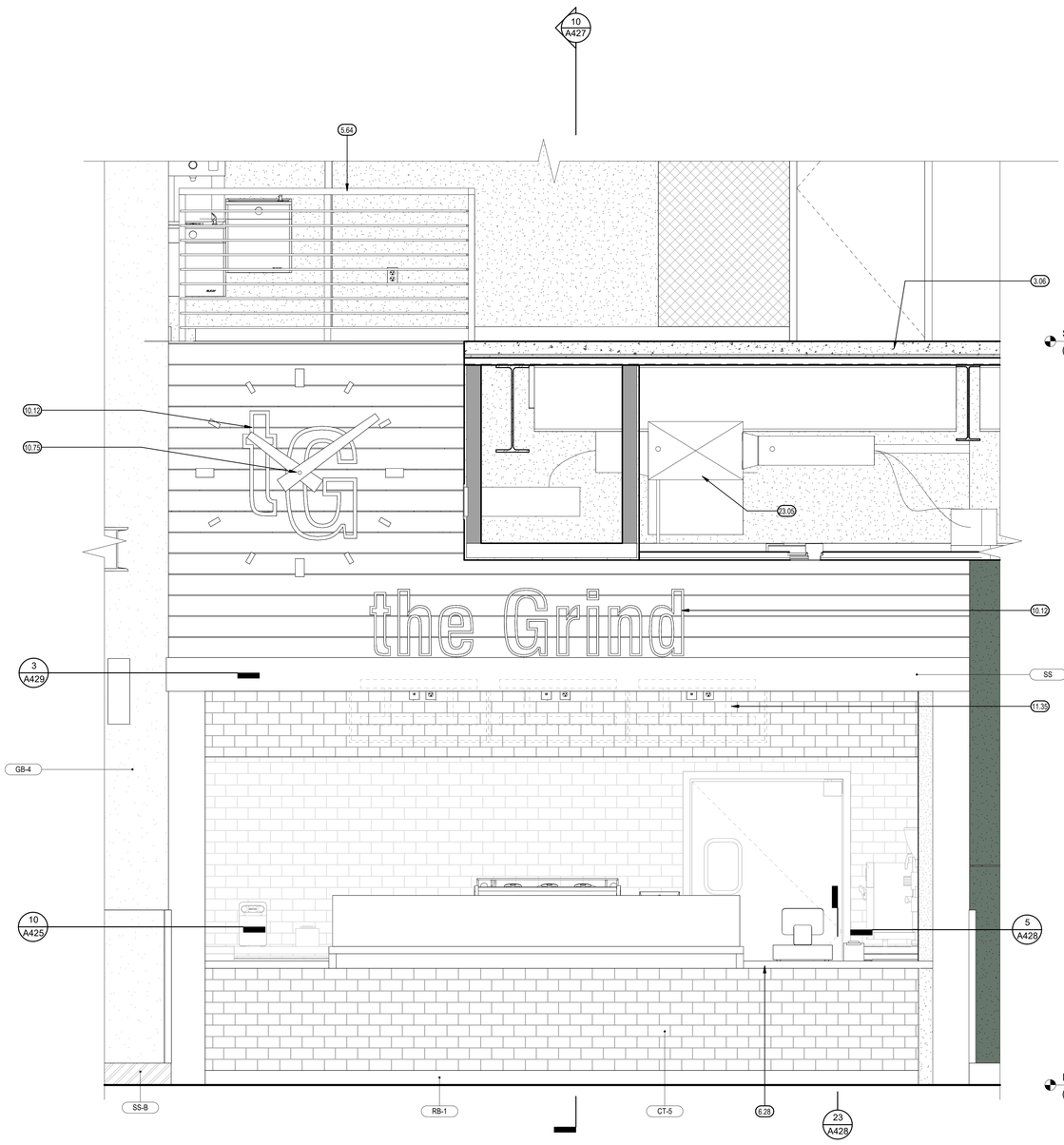

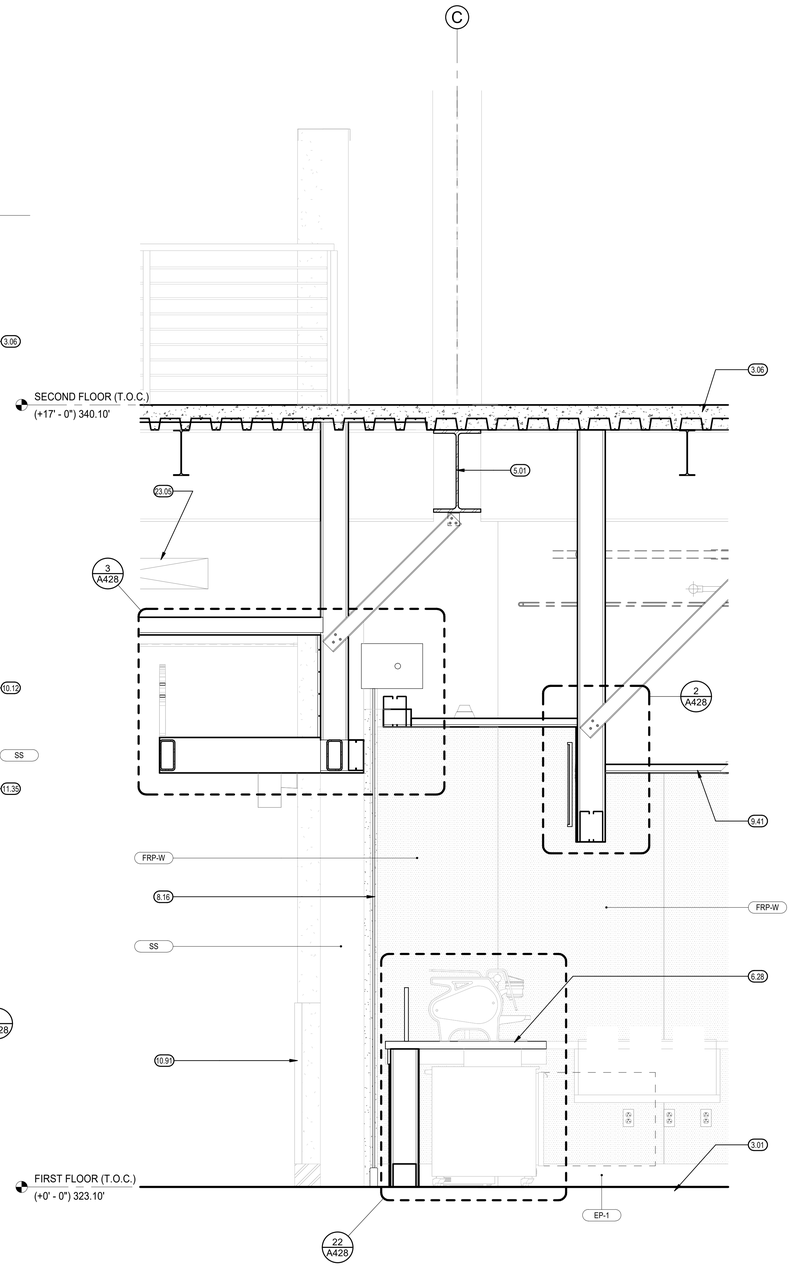

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.64	GUARDRAIL, TYP. SEE **20 / A851**
6.28	SOLID SURFACE COUNTER TOP
8.16	ROLL-UP SECURITY GRILLE, SEE DOOR SCHEDULE
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
10.12	DIMENSIONAL LETTER CHARACTER SIGNAGE FOR ANCHORAGE, SEE
10.75	SKELETAL CLOCK
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **17 / A860**
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-3	CERAMIC WALL TILE 2" x 2"		FACTORY FINISH	3 COLORS	
CT-4	CERAMIC WALL TILE 4" x 4"		FACTORY FINISH	3 COLORS	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH		
CT-6	CERAMIC WALL TILE 4" x 12"		FACTORY FINISH		
EP-1	6" RESINOUS FLOORING COVED BASE	STONHARD	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	
FRP-W	FIBER REINFORCED PANEL	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
FRL	FIBER REINFORCED LAMINATE	PANOLAM	FACTORY FINISH	STAINLESS METALX	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-2	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	ORANGE	
GB-3	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREY	
GB-4	SKIM COAT CEMENT, PLASTER o/ GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-5	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREEN	
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	GALVALUME	
MP-2	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	CUSTOM ORANGE	
MP-3	CORRUGATED METAL PANEL WALL ASSEMBLY	METAL SALES (7/8")	FACTORY FINISH	GALVALUME	
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
RB-2	6" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
SS-B	6" HIGH 18 GA. STAINLESS STEEL COVED WALL BASE		FACTORY FINISH	STAINLESS STEEL	
WD-1	COMPOSITE BOARD SIDING		FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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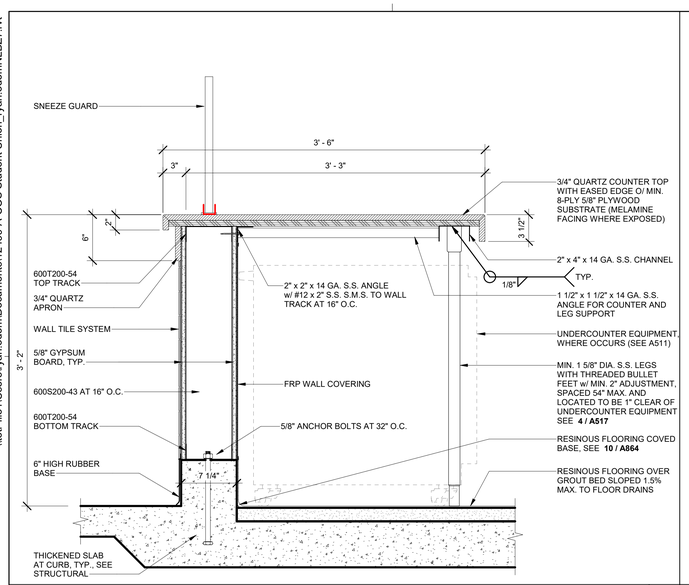
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WALL SECTION AND PARTIAL ELEVATION - THE GRIND

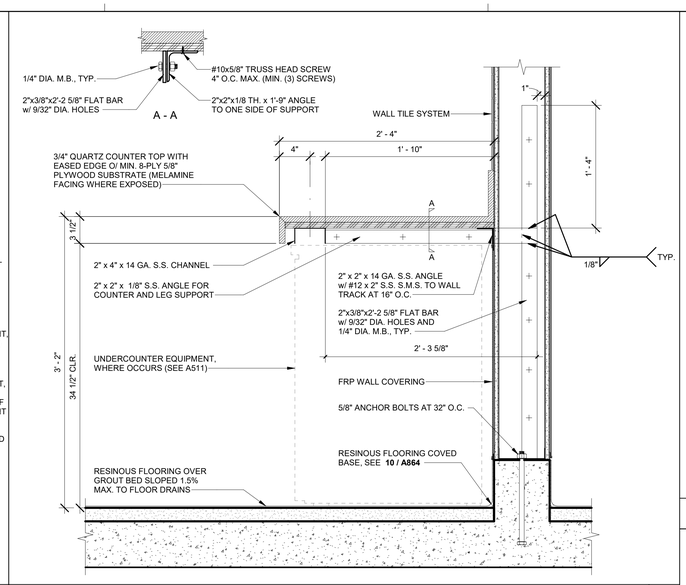
PROJECT NO.
22-12499

DRAWING
A427



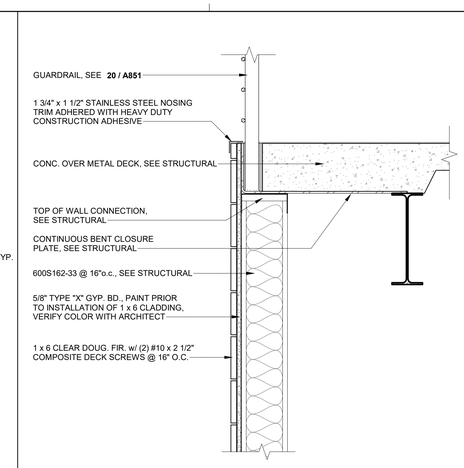
EAST COUNTER (HIGH) - THE GRIND

1 1/2" = 1'-0" | 22



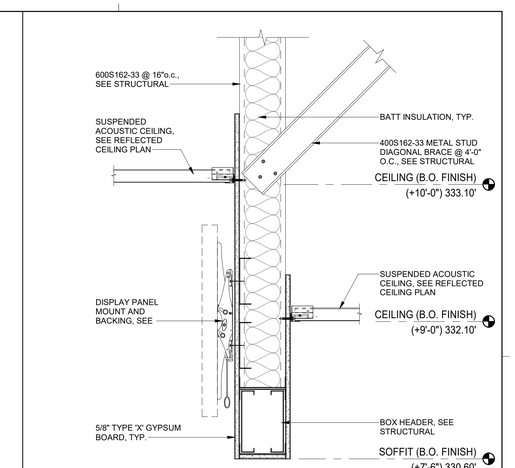
WEST COUNTER - THE GRIND

1 1/2" = 1'-0" | 12



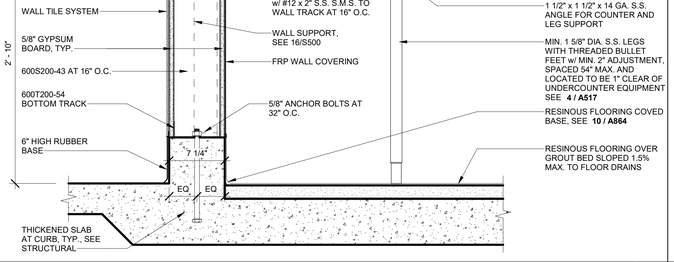
SOFFIT - THE GRIND AT 2ND FLOOR

1 1/2" = 1'-0" | 7



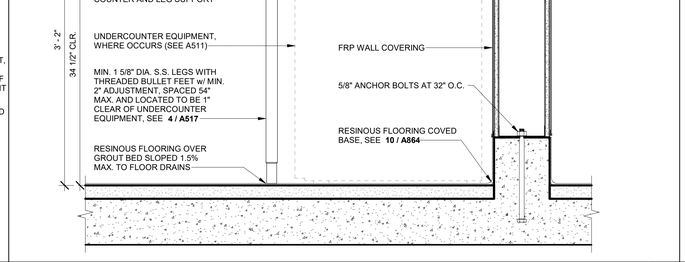
SOFFIT - THE GRIND AT DISPLAYS

1 1/2" = 1'-0" | 2



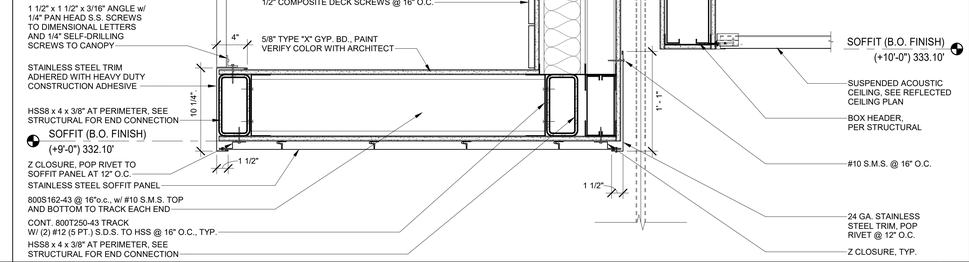
EAST COUNTER (LOW) - THE GRIND

1 1/2" = 1'-0" | 23



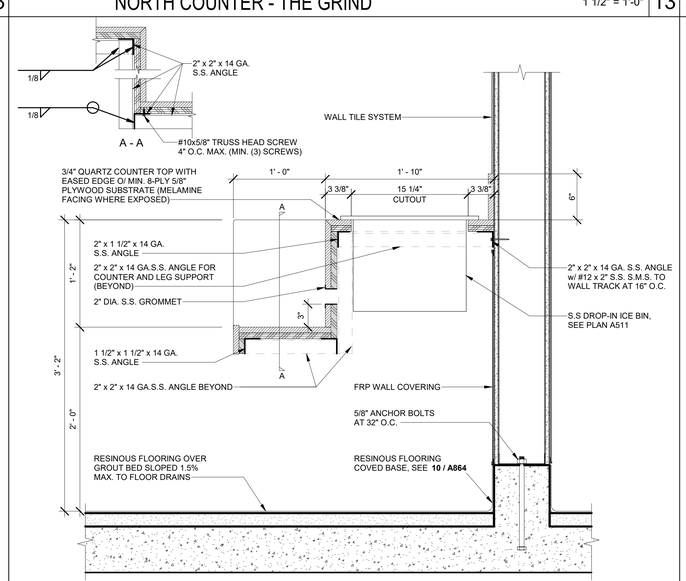
NORTH COUNTER - THE GRIND

1 1/2" = 1'-0" | 13



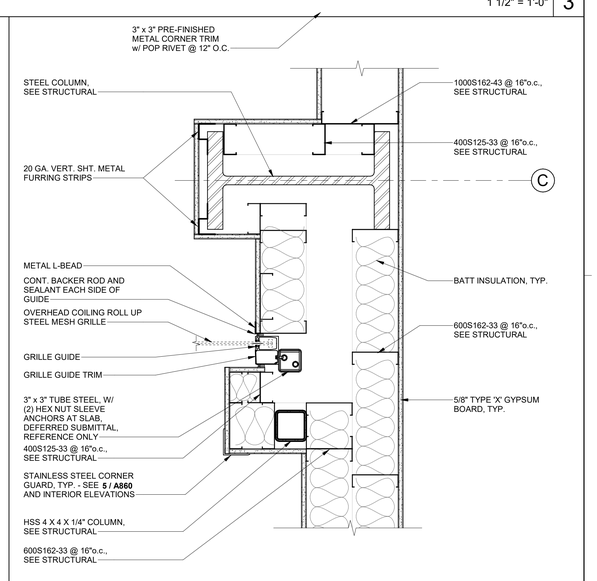
SOFFIT - THE GRIND

1 1/2" = 1'-0" | 3



SOUTH COUNTER AT BLENDER WELL- THE GRIND

1 1/2" = 1'-0" | 15



JAMB - THE GRIND (NORTH)

1 1/2" = 1'-0" | 5

PLOT DATE: 8/14/2026 10:58:58 AM

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DETAILS - THE GRIND

PROJECT NO.
22-12499

DRAWING
A428

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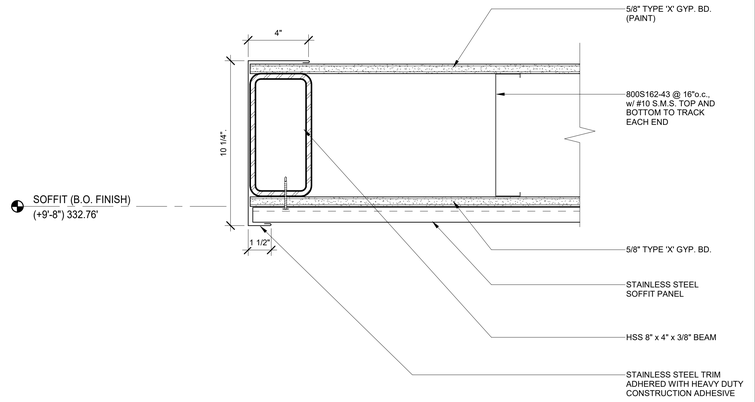
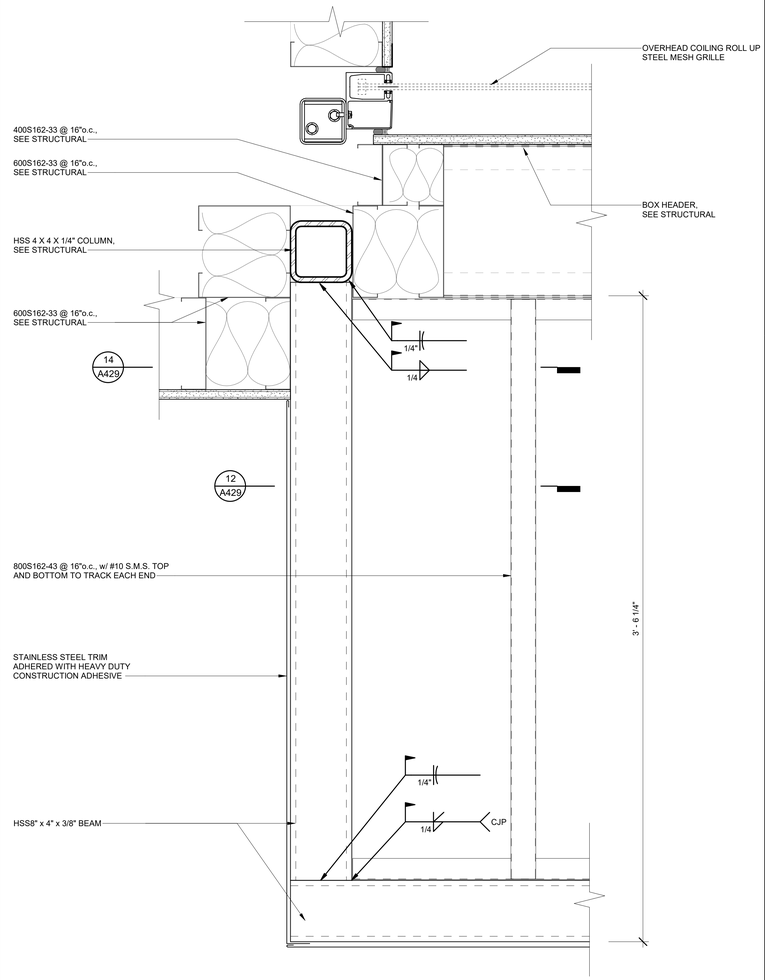
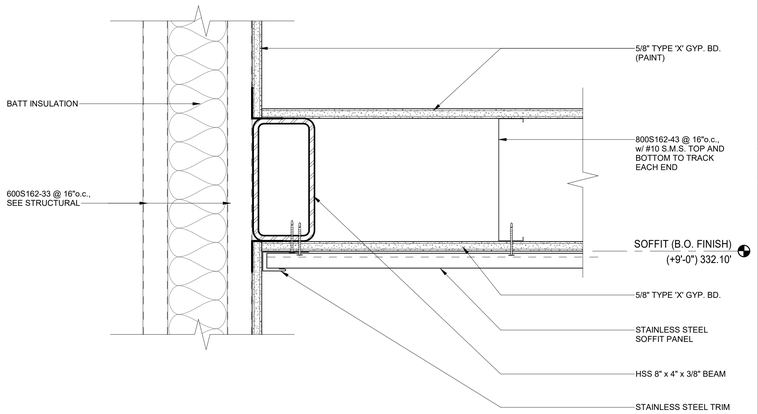


CANOPY EDGE - THE GRIND 3" = 1'-0" 12



THE GRIND CANOPY 3" = 1'-0" 3



CANOPY AT WALL - THE GRIND 3" = 1'-0" 14

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DRAWING TITLE
DETAILS - THE GRIND

PROJECT NO.
22-12499

DRAWING
A429

PLOT DATE: 8/14/2026 10:59:00 AM

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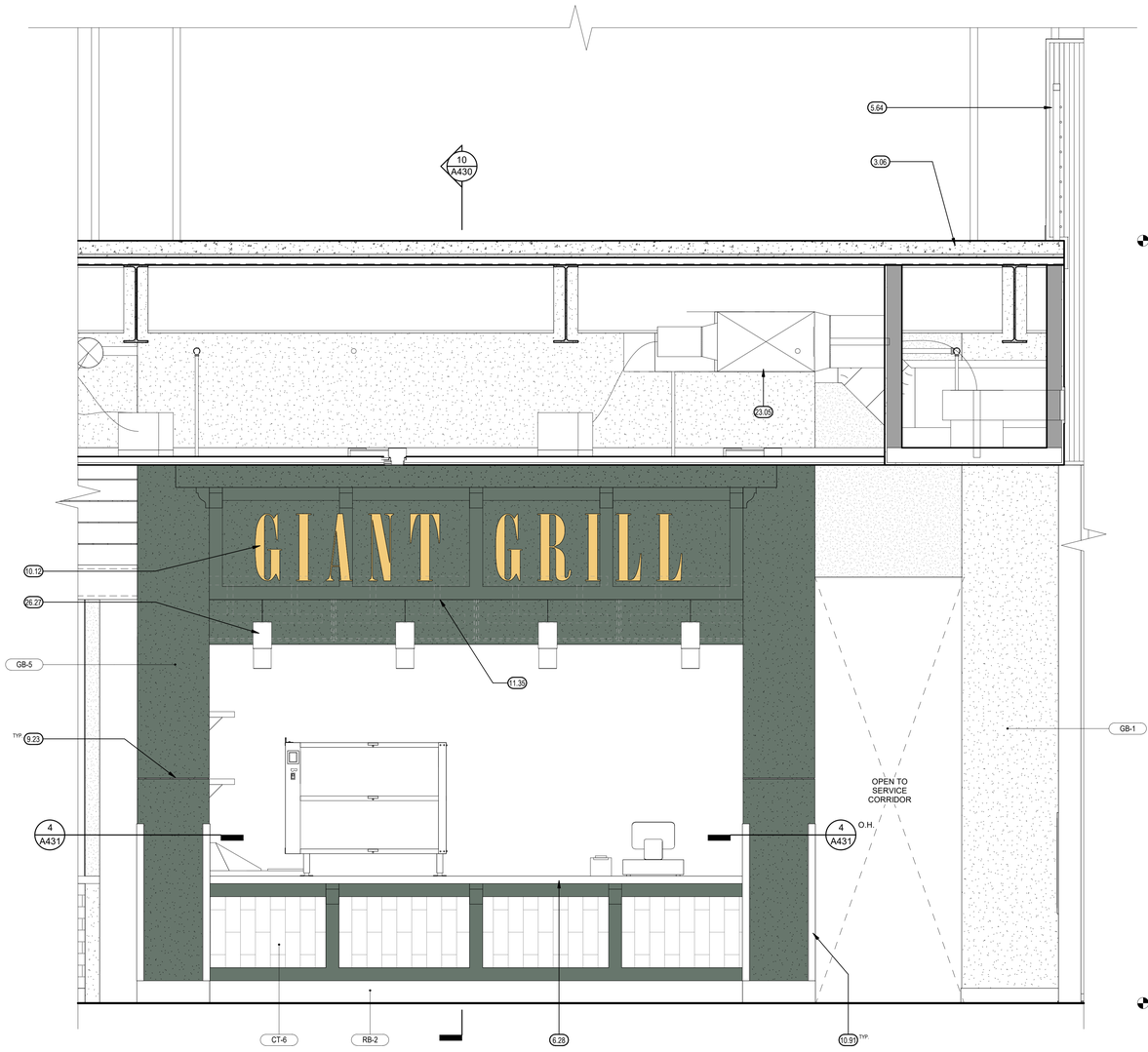

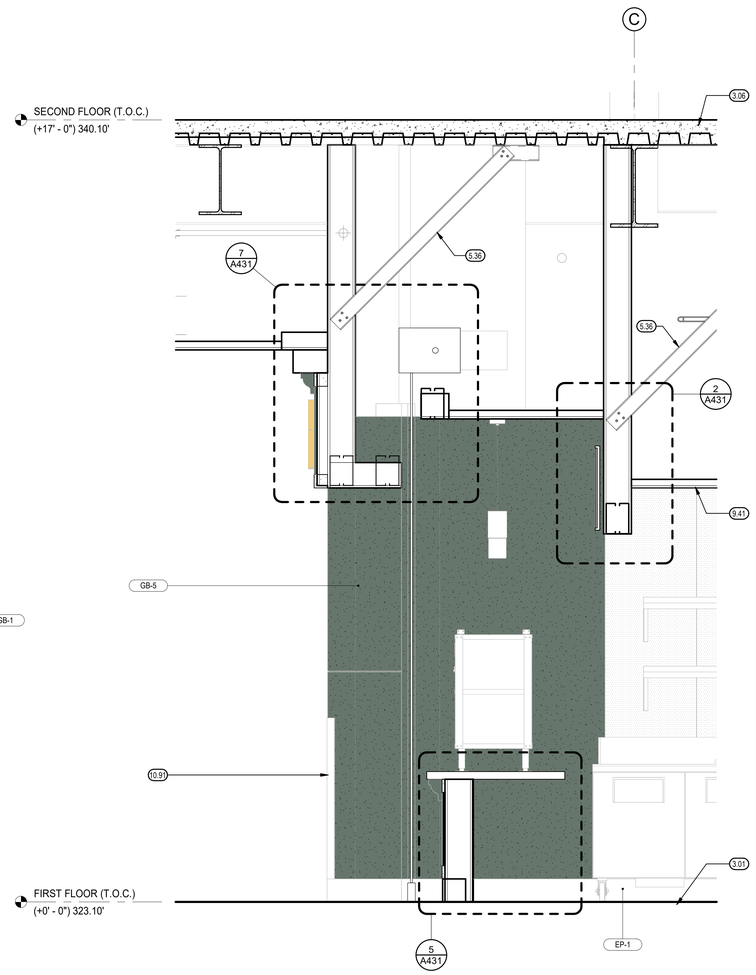

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.36	400S162-33 METAL STUD DIAGONAL BRACE AT 4'-0" O.C., SEE STRUCTURAL
5.64	GUARDRAIL, TYP. SEE **20 / A851**
6.28	SOLID SURFACE COUNTER TOP
9.23	GYPSUM BOARD REVEAL, SEE **25 / A820**
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
10.12	DIMENSIONAL LETTER CHARACTER SIGNAGE FOR ANCHORAGE, SEE
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **17 / A860**
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-3	CERAMIC WALL TILE 2" x 2"		FACTORY FINISH	3 COLORS	
CT-4	CERAMIC WALL TILE 4" x 4"		FACTORY FINISH	3 COLORS	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH		
CT-6	CERAMIC WALL TILE 4" x 12"		FACTORY FINISH		
EP-1	6" RESINOUS FLOORING COVED BASE	STONHARD	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	
FRP-W	FIBER REINFORCED PANEL	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
FRL	FIBER REINFORCED LAMINATE	PANOLAM	FACTORY FINISH	STAINLESS METALX	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-2	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	ORANGE	
GB-3	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREY	
GB-4	SKIM COAT CEMENT PLASTER o/ GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE	
GB-5	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREEN	
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	GALVALUME	
MP-2	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	CUSTOM ORANGE	
MP-3	CORRUGATED METAL PANEL WALL ASSEMBLY	METAL SALES (7/8")	FACTORY FINISH	GALVALUME	
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
RB-2	6" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
SS-B	6" HIGH 18 GA. STAINLESS STEEL COVED WALL BASE		FACTORY FINISH	STAINLESS STEEL	
WD-1	COMPOSITE BOARD SIDING		FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WALL SECTION AND PARTIAL ELEVATION - GIANT GRILL

PROJECT NO.
22-12499

DRAWING
A430

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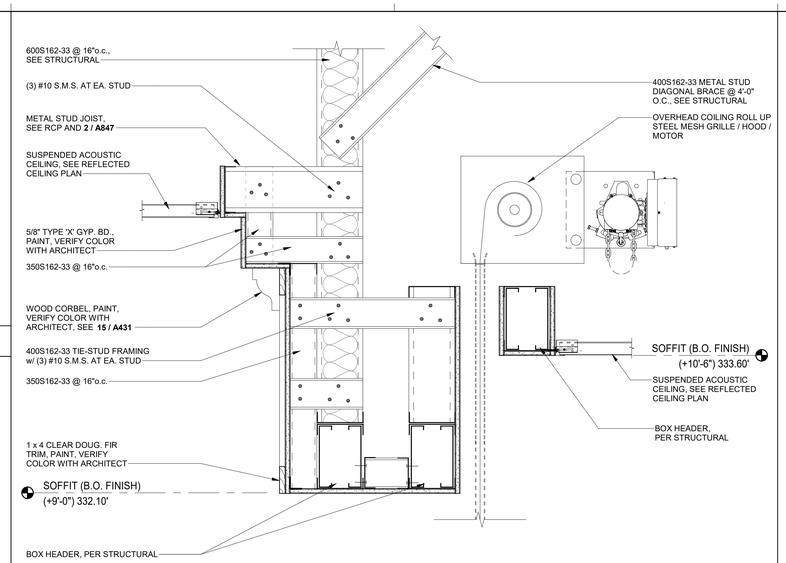
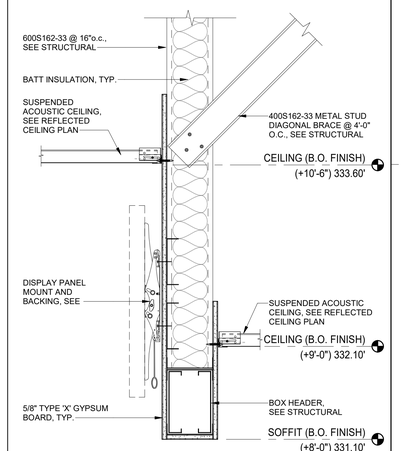
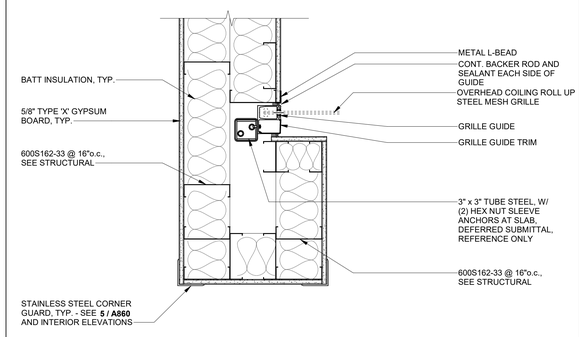


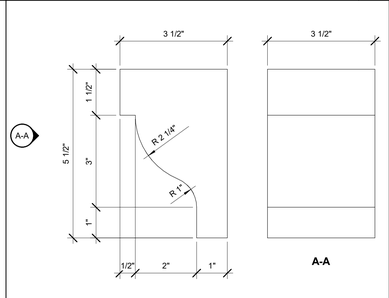
SOFFIT - GIANT GRILL — 1 1/2" = 1'-0" — 7



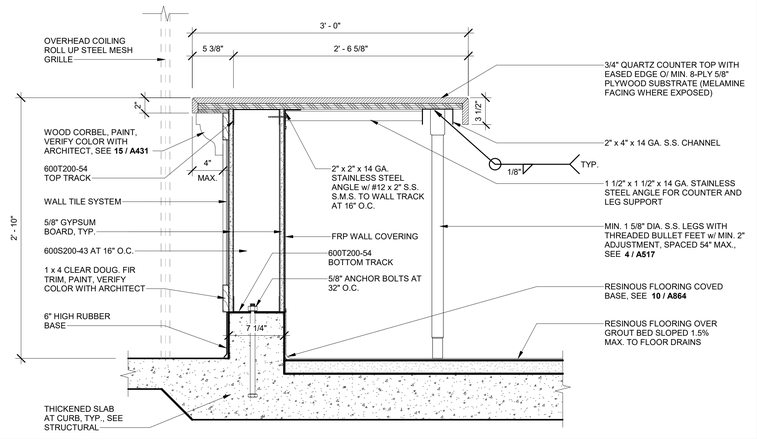
SOFFIT - GIANT GRILL AT DISPLAYS — 1 1/2" = 1'-0" — 2



JAMB - GIANT GRILL — 1 1/2" = 1'-0" — 4



CORBEL — 6" = 1'-0" — 15



EAST COUNTER - GIANT GRILL — 1 1/2" = 1'-0" — 5

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DETAILS - GIANT GRILL

PROJECT NO.
22-12499

DRAWING
A431

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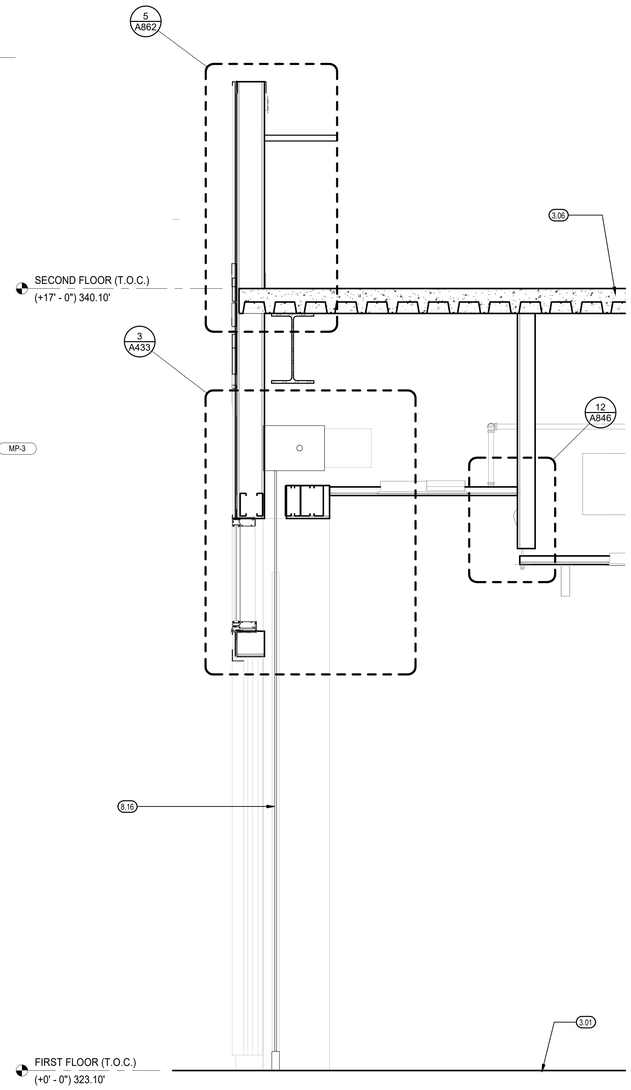

WALL SECTION AND PARTIAL ELEVATION AT GROVE MARKET

3/4" = 1' - 0" | 4

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES	MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES	MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-	GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE		MP-2	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	CUSTOM ORANGE	
CT-3	CERAMIC WALL TILE,		FACTORY FINISH	3 COLORS		GB-2	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	ORANGE		MP-3	CORRUGATED METAL PANEL WALL ASSEMBLY	METAL SALES (7/8")	FACTORY FINISH	GALVALUME	
CT-4	CERAMIC WALL TILE,		FACTORY FINISH	3 COLORS		GB-3	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREY		RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
CT-5	CERAMIC WALL TILE,		FACTORY FINISH			GB-4	SKIM COAT CEMENT PLASTER o/ GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	WHITE		SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
EP-1	6" RESINOUS FLOORING COVED BASE	STONHARD	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT		GB-5	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	GREEN		WD-1	COMPOSITE BOARD SIDING		STAIN	COLOR TO BE SELECTED BY ARCHITECT	
FRP-W	FIBER REINFORCED PANEL	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.	MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES (TLC-1)	FACTORY FINISH	GALVALUME							

KEYNOTES

3.01	CONCRETE SLAB, SEE STRUCTURAL
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
8.16	ROLL-UP SECURITY GRILLE, SEE DOOR SCHEDULE
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.82	PAINTED "GROVE MARKET" GRAPHICS ON CORRUGATED METAL WALL PANELS, (36" TALL, FONT: BRUSH SCRIPT MT)
26.22	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL

GENERAL NOTES

A. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE SUPPRESSION AS SCOPE MAY AFFECT AREAS NO NOTED IN ARCHITECTURAL DRAWINGS.

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DRAWING TITLE
WALL SECTION AND PARTIAL ELEVATION - GROVE MARKET

PROJECT NO.
22-12499

DRAWING
A432

PLOT DATE: 8/14/2026 10:59:13 AM

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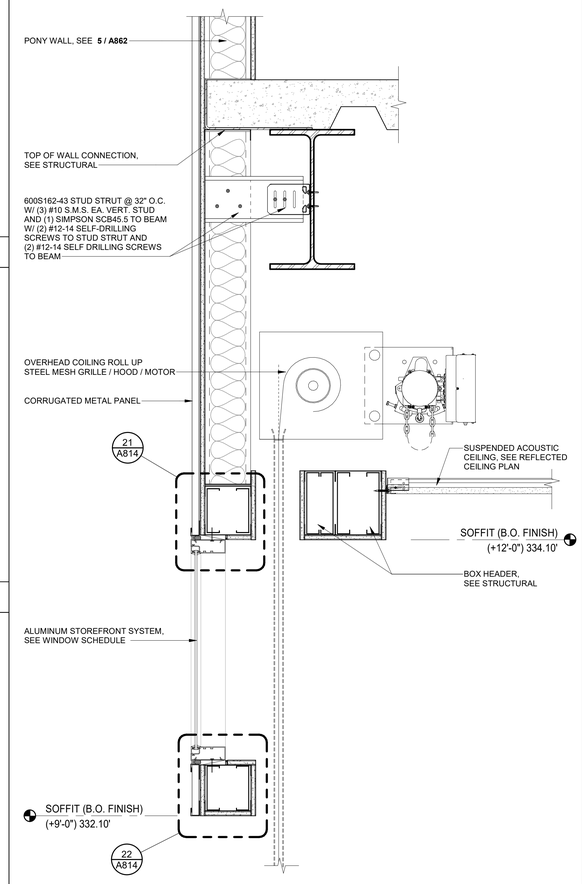
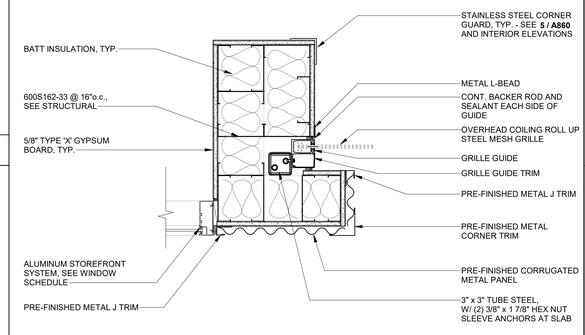


SOFFIT - GROVE MARKET — 1 1/2" = 1'-0" — 3



JAMB - GROVE MARKET — 1 1/2" = 1'-0" — 5

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TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

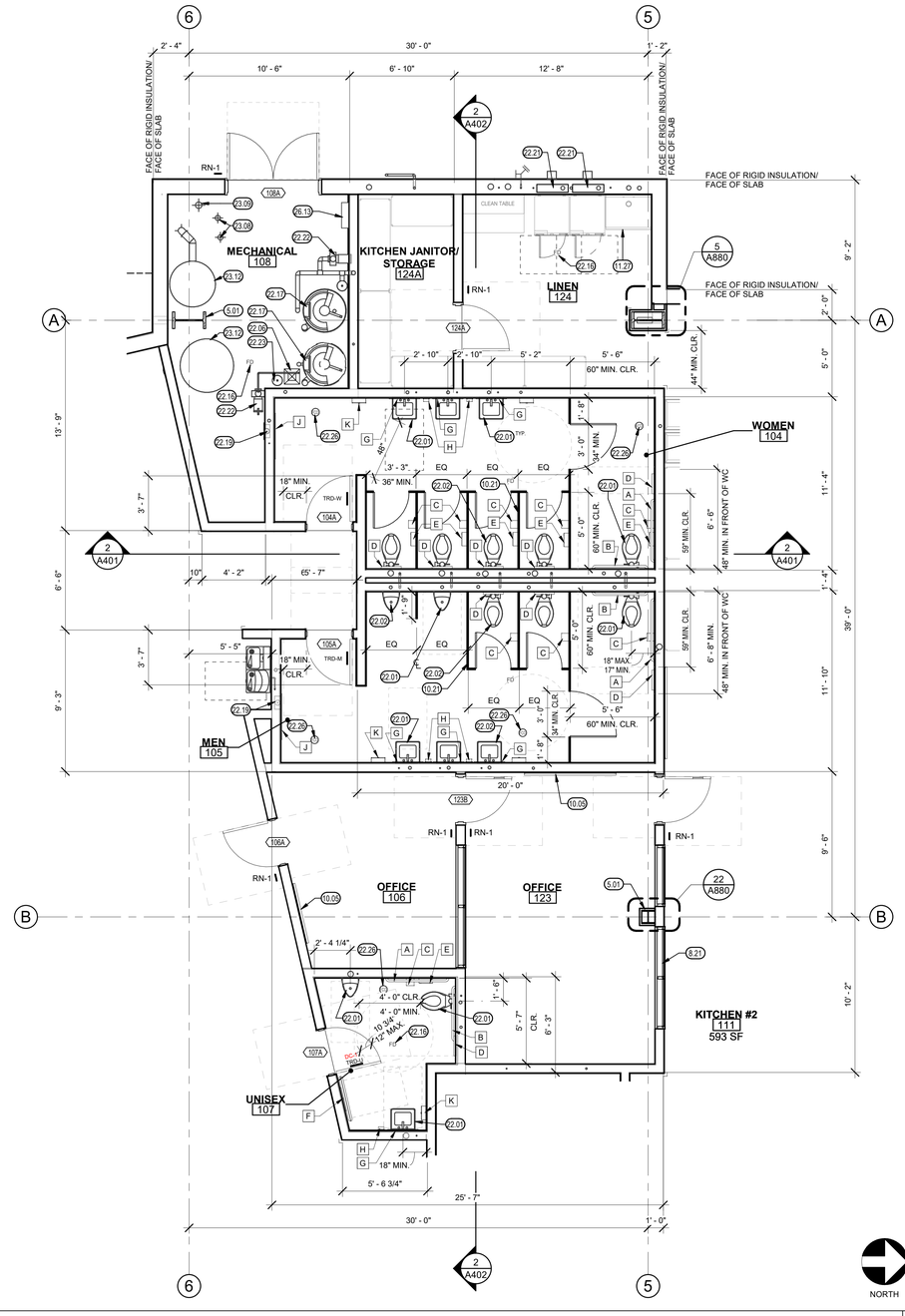
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DETAILS - GROVE MARKET

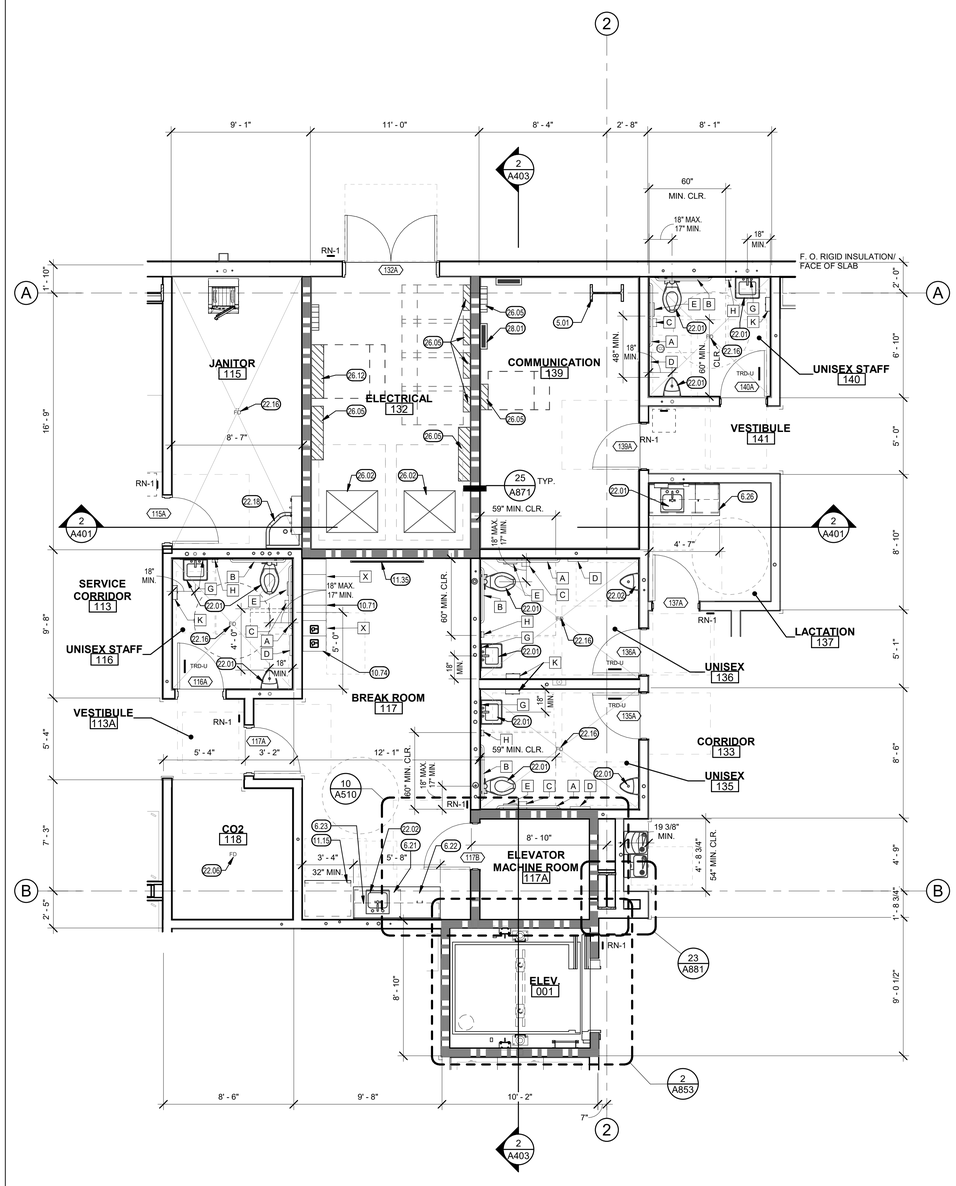
PROJECT NO.
22-12499

DRAWING
A433

PLOT DATE: 8/14/2026 10:59:15 AM



ENLARGED FLOOR PLAN - FIRST FLOOR SOUTH RESTROOM 1/4" = 1'-0" 19



ENLARGED FLOOR PLAN - FIRST FLOOR NORTH RESTROOM 1/4" = 1'-0" 9

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
6.21	PLASTIC LAMINATE CASEWORK, SEE INTERIOR ELEVATIONS
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.26	PLASTIC LAMINATE COUNTER TOP, SEE INTERIOR ELEVATIONS
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.21	TOILET COMPARTMENT/URINAL SCREEN, SEE **4 / A800**
10.71	LOCKERS (PERSONAL STORAGE) **23 / A800**
10.74	ACCESSIBLE LOCKER BENCH
11.15	REFRIGERATOR (O.F.C.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.27	UTILITY SINK
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
22.06	FLOOR DRAIN/FLOOR SINK, SEE PLUMBING
22.16	FLOOR DRAIN 1/2" MAX/ OPENINGS, SEE PLUMBING
22.17	COMMERCIAL WATER HEATER, SEE PLUMBING
22.18	MOP SINK, SEE PLUMBING
22.19	TRAP PRIMER, SEE PLUMBING
22.21	WASHING MACHINE BOX, SEE PLUMBING
22.22	CIRCULATING PUMP, SEE PLUMBING
22.23	THERMAL EXPANSION TANK, SEE PLUMBING
22.26	FLOOR CLEANOUT, TYP. - SEE PLUMBING
23.08	HEATING HOT WATER SUPPLY AND RETURN, SEE MECHANICAL
23.09	CHILLED WATER SUPPLY AND RETURN, SEE MECHANICAL
23.12	BUFFER TANK, SEE MECHANICAL
26.02	TRANSFORMER, SEE ELECTRICAL
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.12	SWITCH BOARD, SEE ELECTRICAL
26.13	EMS PANEL, SEE ELECTRICAL
26.14	FUSED DISCONNECTS (2), SEE ELECTRICAL
26.15	POWER UNIT, SEE **6 / A853**
26.16	MICROPROCESSOR CONTROLLER BOX
26.17	OIL LINE VALVE
28.01	FIRE ALARM CONTROL PANEL, O.F.C.I, SEE ELECTRICAL

LEGEND

- MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- TRD-U — WALL SIGNAGE, SEE **3 / A801** & **18 / A801**
- 201A — DOOR REFERENCE SEE DOOR SCHEDULE ON SHEET **A700**
- XX — WINDOW REFERENCE SEE WINDOW SCHEDULE ON SHEETS **A702 - A704**
- F.E.C. — FIRE EXTINGUISHER & CABINET, SEE **12 / A860**
- 1 HR FIRE BARRIER ASSEMBLY SEE A001 FOR PARTITION TYPES. SEE A870, A871, A872, A873, A874 FOR FIRE RESISTIVE CONSTRUCTION
- C.G. — CORNER GUARD, SEE **5 / A860**
- E.W.G. — END WALL GUARD, SEE **10 / A860**

TOILET ACCESSORY SCHEDULE

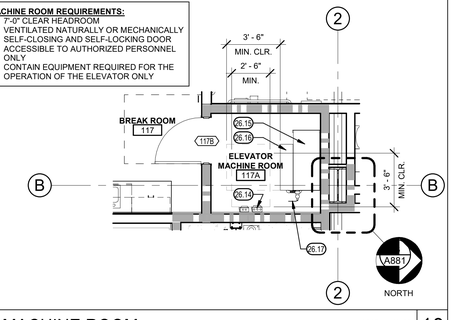
MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 6'H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

NOTES:

1. LIGHT FIXTURE AND TELEPHONE RECEPTACLE FOR EACH ELEVATOR IN MACHINE ROOM CONNECTED TO CONTROLLER.
2. ACCESS TO THE MACHINE ROOM AND MACHINERY SPACE. (ASME A17.1/2.7.3) RECOMMENDED DOORWAY SIZE FOR POWER UNIT PASSAGE: MIN. 3'-0" x 6'-8".
3. LIGHTING, VENTILATION AND HEATING OF MACHINE ROOM AND MACHINERY SPACE. (ASME A17.1/2.7.5) MACHINE ROOM TEMPERATURE TO BE MAINTAINED BETWEEN 55 & 85 F.
4. PROVIDE A FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER FOR EACH ELEVATOR LOCATED PER NATIONAL ELECTRICAL CODE (NFPA 70:620-51, 620-52) & WIRED TO STARTER SWITCH AT CONTROL PANEL. REFER TO EQUIPMENT ROOM LAYOUT FOR LOCATION.
5. 120 VOLT, 15 AMP CIRCUIT TO ELEVATOR MACHINE ROOM FOR LIGHTS AND OUTLETS. (NFPA 70: RULE 620-85)
6. FOR REMOTE PUMP ROOMS PROVIDE CLEAR ACCESS ABOVE CEILING OR FURNISH TRENCH IN FLOOR FOR OIL LINE & WIRING DUCT FROM PUMP ROOM TO ELEVATOR HATCH.
7. SEPARATE 120 VOLT, 15 AMP CAR-LIGHTING CIRCUIT TO CONTROLLER, DISCONNECT LOCATED PER NATIONAL ELECTRICAL CODE (NFPA 70: RULE 620-51, 620-52, 620-85) REFER TO ELEVATOR EQUIPMENT ROOM ON THIS DRAWING.
8. PROVIDE 8" SQUARE CUTOUT THROUGH WALL FOR OIL LINE AND WIRING DUCT. FOR ACTUAL LOCATION COORDINATE WITH SUPERINTENDENT ON JOB SITE.

MACHINE ROOM REQUIREMENTS:

- 7'-0" CLEAR HEADROOM
- VENTILATED NATURALLY OR MECHANICALLY
- SELF-CLOSING AND SELF-LOCKING DOOR
- ACCESSIBLE TO AUTHORIZED PERSONNEL ONLY
- CONTAIN EQUIPMENT REQUIRED FOR THE OPERATION OF THE ELEVATOR ONLY



ENLARGED FLOOR PLAN - ELEVATOR MACHINE ROOM 1/4" = 1'-0" 10

GENERAL NOTES

A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** AND **3 / A800**

B. FOR TYPICAL CASEWORK ANCHORAGE , SEE **25 / A860**

C. PROVIDE FIRE EXTINGUISHER: CLASS 2A: 10B:C MIN. PER NFPA 10, ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".

D. ALL DIMENSIONS TO FACES OF STUD, U.N.O. DIMENSIONS WITH "MIN.","CLR.", ARE MEASURED FROM FACE OF WALL FINISH.

E. TYP. INTERIOR WALL FINISH FOR STUD WALLS: 5/8" TYPE 'X' GYP. BD., WATER RESISTANT TYPE IN RESTROOMS WHERE LOCATED WITHIN 2'-0" OF THE FRONT AND/OR SIDES OF PLUMBING FIXT. GYP. BD. APPLICATION SHALL COMPLY w/ CBC SECTION 2508. GYP. BD. SHALL BE FASTENED TO SUPPORTS w/ SCREWS.

F. ACOUSTICAL INSULATION: ALL INTERIOR STUD WALLS OF THE FOLLOWING SPACES SHALL BE INSULATED w/ ACOUSTICAL INSULATION:

   a. FOR ACOUSTICAL WALL DETAIL, SEE **11 / A875**

   b. ALL WALLS & CEILINGS OF : PRIVATE OFFICES, ELECTRICAL, MECHANICAL, COMMUNICATIONS, TOILET ROOMS, AND CONFERENCE ROOMS.

G. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE **18 / A800**

H. FOR ACCESSIBLE SINK KNEE/TOE SPACE, SEE **10 / A800**

I. FOR ACCESSIBLE WORK COUNTER KNEE/TOE SPACE, SEE **22 / A800**

J. ALL NEW FLOOR SUBSTRATES ARE TO BE CLEANED, PATCHED, REPAIRED, LEVELED, AND PREPARED AS REQUIRED BY FLOORING FINISH MANUFACTURER RECOMMENDATIONS FOR FLOORING FINISH SYSTEM SCHEDULED.

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

PROJECT NO. 22-12499

DRAWING TITLE: ENLARGED FIRST FLOOR PLANS

DRAWING A510

PLOT DATE: 8/14/2026 10:59:25 AM

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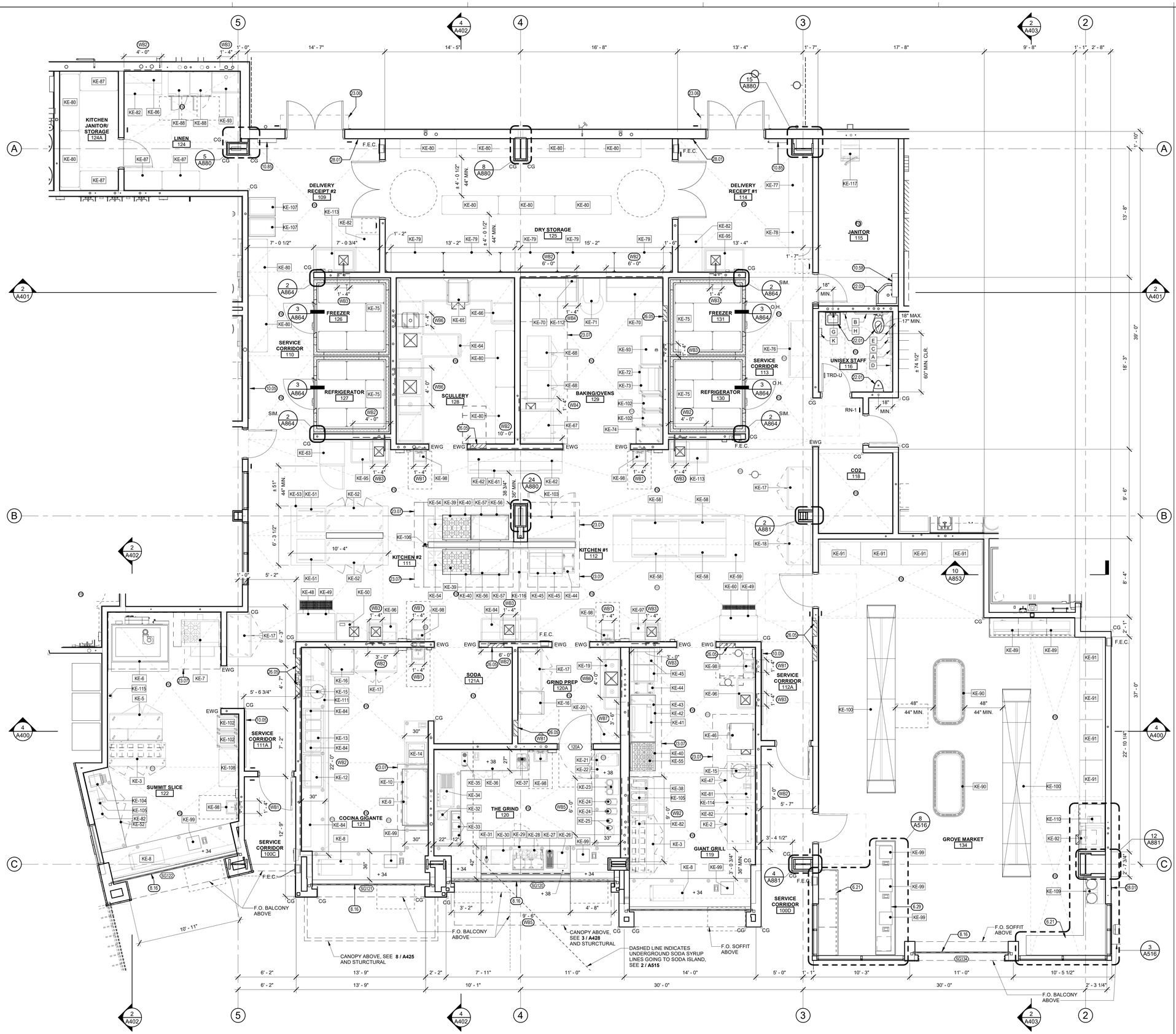

FIRST FLOOR - KITCHEN - ENLARGED FLOOR PLAN

1/4" = 1'-0" | 10

KEYNOTES

6.21	PLASTIC LAMINATE CASEWORK, SEE INTERIOR ELEVATIONS
6.29	PLASTIC LAMINATE BUILT-IN TRANSACTION COUNTER TOP, SEE **8 / A516**
8.16	ROLL-UP SECURITY GRILLE, SEE DOOR SCHEDULE
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.58	MOP HOLDER AND SHELF, SEE **8 / A860**
10.85	FLYING INSECT TRAP, +80" A.F.F. MIN.
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
23.06	AIR CURTAIN, SEE MECHANICAL
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
28.01	FIRE ALARM CONTROL PANEL, O.F.C.I, SEE ELECTRICAL

WALL BACKING LEGEND

WB1	WALL BACKING FOR HAND SINKS UP TO 60"
WB2	WALL BACKING FOR WALL SHELVING 40" AFF UP TO 78" AFF
WB3	WALL BACKING FOR SERVICE FAUCET 30" AFF UP TO 54" AFF
WB4	WALL BACKING FOR WATER FILTRATION SYSTEMS 48" AFF UP TO 84" AFF
WB5	WALL BACKING FOR UNDERCOUNTER WALL FILTRATION SYSTEMS 18" AFF TO 30" AFF
WB6	WALL BACKING FOR PRE-RINSE SPRAY FAUCETS 36" AFF UP TO 72" AFF
WB7	WALL BACKING FOR WALL MOUNTED SALAMANDER 48" AFF TO 78" AFF
WB8	WALL BACKING FOR WALL MOUNTED CONTROL PANELS 40" AFF UP TO 72" AFF

NOTE: WALL BACKING = 14 GA. GALVANIZED STEEL.
CONTRACTOR TO VERIFY EQUIPMENT BACKING REQUIREMENTS

LEGEND

- MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- TRD-U — WALL SIGNAGE, SEE **3 / A801** & **18 / A801**
- 201A — DOOR REFERENCE SEE DOOR SCHEDULE ON SHEET **A700**
- XX — WINDOW REFERENCE SEE WINDOW SCHEDULE ON SHEETS **A702 - A704**
- F.E.C. — FIRE EXTINGUISHER & CABINET, SEE **12 / A860**
- 1 HR FIRE RATED ASSEMBLY SEE A001 FOR PARTITION TYPES. SEE A870, A871, A872, A873 FOR FIRE RESISTIVE CONSTRUCTION
- C.G. — CORNER GUARD, SEE **5 / A860**
- E.W.G. — END WALL GUARD, SEE **10 / A860**
- KE-## — KITCHEN EQUIPMENT TAG, SEE SHEETS **A512** AND **A513**
- COUNTERTOP SUPPORT LEG, SEE SHEETS A420 THROUGH A431

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD. - VISALIA CA. 93277

DRAWING TITLE
ENLARGED FIRST FLOOR PLANS - KITCHEN

PROJECT NO.
22-12499

DRAWING
A511

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SUMMIT SLICE (122) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-3	1	SOLID DOOR SANDWICH/SALAD UNIT	TRUE	TSSU-72-18-HC	445								115 V	828 W	7.2 A	1/2	1	NEMA 5-15P	12 / A517	
KE-5	1	PIZZA PREP TABLE	TRUE	TPP-AT-67-HC	430								115 V	449 W	3.9 A	1/4	1		12 / A517	
KE-6	1	PIZZA OVEN, 3 BAKING CHAMBERS	MORETTI FORNI	S140E	1382								208 V	16000 W			3	HARDWIRED	14 / A517	
KE-7	1	48" RANGE - 4 BURNERS 24" GRIDDLE - CONVECTION OVEN	VULCAN	48C-4B-24G	720					3/4"	195,000		115 V		4.0 A		1	NEMA 5-15P	4 / A517	
KE-8	1	HEATED SHELF WARMER	SERVIT	HSW20403	129								120 V	1050 W	8.8 A		1	NEMA 5-15P	25 / A517	
KE-17	1	REACH-IN SOLID SWING DOOR REFRIGERATOR	TRUE	T-49-HC	460								115 V	621 W	5.4 A	1/2	1	NEMA 5-15P	20 / A517	
KE-52	1	SOLID DOOR REFRIGERATOR WITH HYDROCARBON REFRIGERANT	TRUE	TUC-72-HC	380								115 V	460 W	4.0 A	1/4	1	NEMA 5-15P	20 / A517	
KE-82	1	WALL SHELF, STAINLESS STEEL, 12" x 60"	REGENCY	600WS1260															5 / A517	
KE-98	1	HAND SINK	ADVANCE TABCO	7-PS-40		1/2"	1/2"	2"												WALL MOUNTED PER MANUFACTURER INSTRUCTIONS ((2) #12 SMS @ WALL MOUNTING BRACKET, (2) #12 @ PRE-DRILLED ANCHOR HOLES)
KE-102	2	20 PAN RACK	REGENCY	109APR1820L	33														12 / A517	
KE-104	1	DOUBLE STACKED CONVEYOR TOASTER	AVANTCO	T1402S	85.2								120 V	1750 W	14.6 A		1	NEMA 5-20P	25 / A517	TWO PLUGS (ONE FOR EACH TOASTER)
KE-105	1	WALL SHELF, STAINLESS STEEL, 12" X 36"	REGENCY	600WS1236															5 / A517	
KE-108	1	NSF CHROME WIRE SHELF 24"x48"70"	REGENCY	460C2448KM65	98														4 / A517	

COCINA GIGANTE (121) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-8	1	HEATED SHELF WARMER	SERVIT	HSW20403	129								120 V	1050 W	8.8 A		1	NEMA 5-15P	25 / A517	
KE-9	1	CHEF BASE DRAWERED REFRIGERATOR	TRUE FOOD SERVICE EQUIPMENT, INC.	TRCB-72	435								115 V	1139 W	9.9 A	1/3	1	NEMA 5-15P	17 / A517	
KE-10	1	72" GRIDDLE	VULCAN	MSA72	790					3/4"									17 / A517	
KE-12	1	REFRIGERATED COLD FOOD WELL, THREE PAN DROP-IN	SERVIT	SDC-3A	184				1"				120 V		2.3 A	1/3	1	NEMA 5-15P		INSET IN COUNTERTOP, SEALED TO COUNTERTOP WITH FOOD GRADE SILICONE
KE-13	1	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	SERVIT	SDW-4H	250				3/4"				208 V	4000 W	19.2 A		1	NEMA 6-30P		INSET IN COUNTERTOP, SEALED TO COUNTERTOP WITH FOOD GRADE SILICONE
KE-14	1	REFRIGERATED COLD WELL, TWO PAN DROP-IN	SERVIT	SDC-2A	133.5				1"				120 V	0 W	1.9 A	1/3	1	NEMA 5-15P		INSET IN COUNTERTOP, SEALED TO COUNTERTOP WITH FOOD GRADE SILICONE
KE-15	1	TORTILLA PRESS	ESTELLA	DPC18T	150								240 V	3300 W			1	NEMA 6-20P	25 / A517	
KE-16	1	REACH-IN FREEZER	AVANTCO	A-23F-HC	310								115 V	426 W	3.7 A	1/2	1		20 / A517	
KE-17	1	REACH-IN SOLID SWING DOOR REFRIGERATOR	TRUE	T-49-HC	460								115 V	621 W	5.4 A	1/2	1	NEMA 5-15P	20 / A517	
KE-84	6	WALL SHELF, STAINLESS STEEL, 12" x 84"	REGENCY	600WS1284															5 / A517	
KE-98	1	HAND SINK	ADVANCE TABCO	7-PS-40		1/2"	1/2"	2"												WALL MOUNTED PER MANUFACTURER INSTRUCTIONS ((2) #12 SMS @ WALL MOUNTING BRACKET, (2) #12 @ PRE-DRILLED ANCHOR HOLES)
KE-111	1	DRAWER WARMER	SERVIT	423WDSFS2	180								120 V	900 W	7.5 A		1		7 / A518	

THE GRIND (120) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-16	1	REACH-IN FREEZER	AVANTCO	A-23F-HC	310								115 V	426 W	3.7 A	1/2	1	NEMA 5-15P	20 / A517	
KE-17	1	REACH-IN SOLID SWING DOOR REFRIGERATOR	TRUE	T-49-HC	460								115 V	621 W	5.4 A	1/2	1	NEMA 5-15P	20 / A517	
KE-19	1	3-COMPARTMENT SINK, 79" STAINLESS STEEL	REGENCY	600S315152G	183	3/4"	3/4"		2"										2 / A517	
KE-20	1	NSF CHROME WIRE 4-SHELF 24"x36"x96"	REGENCY	460EC2436K94	50														4 / A517	
KE-21	1	COUNTERTOP OVEN	TURBOCHEF	SOTA I1-9500-801	170								208 V	6240 W	30.0 A		1	NEMA 6-30P	25 / A517	
KE-22	1	UNDERCOUNTER REFRIGERATOR	TRUE	TUC-27-HC LH	195								115 V	230 W	2.0 A	1/6	1		12 / A517	
KE-23	1	BREWER	FETCO	CBS-2242	101		3/8"						208 V	3500 W	22.2 A		1	2 Wire + Ground	15 / A517	
KE-24	2	COFFEE GRINDER	MAHLKÖNIG	EK43	57.3								120 V	1300 W				NEMA 5-15P	25 / A517	
KE-25	1	POUR-OVER COFFEE BREWER WITH BROILER	MARCO	SP9 TWIN 1000833US	13.2								230 V	2400 W			1	NEMA L6-20P	8 / A518	TWO SP9 HEADS / ONE BOILER
KE-26	1	ONE PAN DROP-IN REFRIGERATED COLD WELL	SERVIT	SDC-1A					1"				110 V		1.9 A	1.34102	1	NEMA 5-15P		INSET IN COUNTERTOP, SEALED TO COUNTERTOP WITH FOOD GRADE SILICONE
KE-27	1	STAINLESS STEEL PITCHER RINSER WITH SPINJET VALVE	RHINO COFFEE GEAR	RHPR600-S			3/8"		1"											INSET IN COUNTERTOP, WITH MANUFACTURER PROVIDED CLIPS
KE-28	1	ESPRESSO MACHINE	LA MARZOCCO	STRADA 3AV ABR	206		3/8"		3/4"				220 V	7440 W	31.0 A		1	NEMA 6-50P	15 / A517	
KE-29	1	UNDERCOUNTER REFRIGERATOR	BEVERAGE-AIR	UCR32AHC	230								115 V	230 W	2.0 A	1/10	1	NEMA 5-15P	12 / A517	
KE-30	1	DROP-IN ICE BIN, 24" X 18"	REGENCY	600DIIB1824					1"											INSET IN COUNTERTOP, PER MANUFACTURER INSTRUCTIONS
KE-31	1	MIX FONT 3 BUTTON GENERAL ASPECT	MARCO	FONT	4.4		3/8"		3/4"				120 V	1800 W	2.0 A		1			INSET IN COUNTERTOP, PER MANUFACTURER INSTRUCTIONS
KE-31A	1	CHILLER / CARBONATOR	MARCO	CHILLER HCS PLUS	69.4								120 V	180 W	0.0 A	1/8	1	NEMA 5-15P	8 / A518 SIM.	
KE-31B	1	UNDERCOUNTER BOILER	MARCO	MIX UC8	30.8								220 V	2800 W	12.7 A		1	NEMA L6-20P	8 / A518 SIM.	
KE-32	1	DROP-IN ICE BIN, 36" X 18"	REGENCY	600DIIB1836					1"											INSET IN COUNTERTOP, PER MANUFACTURER INSTRUCTIONS
KE-33	3	BLENDER WITH COVER	VITAMIX	036019-ABAB	19.2								120 V		15.0 A		1	NEMA 5-15P		
KE-34	1	DROP-IN SINK WITH DRAINBOARD	ELKAY	ILGR4322L3		1/2"	1/2"	2"												CHICAGO FAUCETS 895-GN2FCXKABCP DECK MOUNTED FAUCET, INSET IN COUNTERTOP PER MANUFACTURER INSTRUCTIONS
KE-35	1	DUAL TAP NITRO COLD BREW BEVERAGE DISPENSER	FETCO	DRNX BY BROOD DUO	78								120 V	334 W	3.0 A		1	NEMA 5-15P	25 / A517	
KE-36	1	GLASS DOOR BACK BAR 24" DEEP SINGLE ZONE COOLER	TRUE	TBB24-72-3G-Z1-BST-B-1	415								115 V	368 W	3.2 A	1/4	1	NEMA 5-15P	12 / A517	
KE-37	1	GLASS FILLER STATION, DECK MOUNTED	REGENCY	600GFWS41012			1/2"		1 1/2"											INSET IN COUNTERTOP, PER MANUFACTURER INSTRUCTIONS
KE-98	1	HAND SINK	ADVANCE TABCO	7-PS-40		1/2"	1/2"	2"												WALL MOUNTED PER MANUFACTURER INSTRUCTIONS ((2) #12 SMS @ WALL MOUNTING BRACKET, (2) #12 @ PRE-DRILLED ANCHOR HOLES)
KE-99	1	POINT OF SALE (REGISTER / CASH DRAWER / RECEIPT PRINTER)	SQUARE	SQUARE REGISTER KIT																

GIANT GRILL (119) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-2	1	UNDERCOUNTER REFRIGERATOR 48"	TRUE	TUC-48-LP-HC	253								115 V	345 W	3.0 A	1/5	1	NEMA 5-15P	12 / A517	
KE-3	1	SOLID DOOR SANDWICH/SALAD UNIT	TRUE	TSSU-72-18-HC	445								115 V	828 W	7.2 A	1/2	1	NEMA 5-15P	12 / A517	
KE-8	1	HEATED SHELF WARMER	SERVIT	HSW20403	129								120 V	1050 W	8.8 A		1	NEMA 5-15P	25 / A517	
KE-15	1	TORTILLA PRESS	ESTELLA	DPC18T	150								240 V	3300 W			1	NEMA 6-20P	25 / A517	
KE-38	1	HOT FOOD TABLE	Eagle Group	DHT3-208	128								208 V	2250 W	10.8 A		1	NEMA L5-15P	4 / A517	
KE-40	1	CHEF BASE DRAWERED REFRIGERATOR	TRUE	TRCB-36	290								115 V	276 W	2.4 A	1/4	1	NEMA 5-15P	17 / A517	
KE-41	1	36" SALAMANDER BROILER - WALL MOUNT	VULCAN	36RB-N	180					3/4"									10 / A517	
KE-42	1	60" GRIDDLE	WOLF	AGM60	658					3/4"									17 / A517	
KE-43	1	CHEF BASE DRAWERED REFRIGERATOR	TRUE	TRCB-52-60	295								115 V	276 W	2.4 A	1/4	1	NEMA 5-15P	17 / A517	
KE-44	1	DUMP STATION	VULCAN	VX15	123								120 V		9.0 A		1	NEMA 5-15P	12 / A517	
KE-45	2	DOUBLE BASKET FRYER	VULCAN	1GR85M	272.5					3/4"									12 / A517	
KE-46	1	10 PAN HALF-SIZE ELECTRIC COMBI OVEN WITH STAND	RATIONAL	CD2ERRA 0000252, 60.31.089	471.5		3/4"		2"				208 V	18900 W	28.0 A		3	HARDWIRED	14 / A517	
KE-47	1	SOLID DOOR FREEZER WITH HYDROCARBON REFRIGERANT	TRUE	TUC-48F-LP-HC	275								115 V	6900 W	60.0 A	1/2	1	NEMA 5-15P	12 / A517	
KE-55	1	36" HOTPLATE - 6 BURNERS	VULCAN	VHP636	265					3/4"									17 / A517	
KE-81	2	WALL SHELF, STAINLESS STEEL, 12" x 48"	REGENCY	600WS1248															5 / A517	
KE-82	4	WALL SHELF, STAINLESS STEEL, 12" x 60"	REGENCY	600WS1260															5 / A517	
KE-96	1	ONE COMPARTMENT SINK, WITH LEFT-HAND DRAINBOARD	REGENCY	60S1181818XL	124	3/4"	3/4"		2"										2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET
KE-98	1	HAND SINK	ADVANCE TABCO	7-PS-40		1/2"	1/2"	2"												WALL MOUNTED PER MANUFACTURER INSTRUCTIONS ((2) #12 SMS @ WALL MOUNTING BRACKET, (2) #12 @ PRE-DRILLED ANCHOR HOLES)
KE-99	1	POINT OF SALE (REGISTER / CASH DRAWER / RECEIPT PRINTER)	SQUARE	SQUARE REGISTER KIT																
KE-105	2	WALL SHELF, STAINLESS STEEL, 12" X 36"	REGENCY	600WS1236															5 / A517	
KE-114	1	WORK TABLE 36" x 120"	ADVANCE TABCO	TKAG-3610	268														4 / A517	

GROVE MARKET (134) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-89	2	48" HOT FOOD MERCHANDISER	AVANTCO	HDC-48	170								120 V	1440 W	12.0 A		1	NEMA 5-15P	25 / A517	
KE-90	2	MECHANDISER, ISLAND	FEDERAL INDUSTRIES	EIMSS84SC	1375								208 V		20.0 A	1.5	1	HARDWIRED	4 / A517	UNIT TO BE SEALED TO FLOOR
KE-91	8	GLASS DOOR MERCHANDISER: SLIDE DOOR REFRIGERATOR	TRUE	GDM-45-HC-LD	465								115 V	725 W	6.3 A	1/2	1	NEMA 5-15P	20 / A517	
KE-92	1	ICE BEVERAGE DISPENSER	CORNELIUS	ENDURO 250 10 VALVE	340		3/8"		3/4"				120 V		3.5 A		1	NEMA 5-15P	12 & 22 / A515	
KE-99	3	POINT OF SALE (REGISTER / CASH DRAWER / RECEIPT PRINTER)	SQUARE	SQUARE REGISTER KIT																
KE-100	2	GONDOLA SHELVING, 20' LONG, 54" HIGH	LOZIER	P1656T356EC															3 / A518	
KE-109	1	COFFEE BREWER	FETCO	CBS-1262	266		3/8"						208 V		19.3 A		3	HARDWIRED	15 / A517	
KE-110	1	PEPSI 4 FLAVOR ELECTRIC DISPENSER	SCHROEDER AMERICA	959	23		3/8"		3/4"				120 V	90 W			1	NEMA 5-15P	4 / A518	UNIT TO BE SEALED TO COUNTER

JANITOR (115) - EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							120/208V ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-117	1	STACKED WASHER AND DRYER	GE	GUD24ESSMWW	221	3/4"	3/4"		2"									14-30R	20 / A517	

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MARK	DATE	DESCRIPTION
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ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
KITCHEN EQUIPMENT SCHEDULE

PROJECT NO.
22-12499

DRAWING
A512

PLOT DATE: 8/14/2026 11:00:09 AM

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KITCHEN #1 & #2 (111 & 112) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-17	1	REACH-IN SOLID SWING DOOR REFRIGERATOR	TRUE	T-49-HC	460								115 V	621 W	5.4 A	1/2	1	NEMA 5-15P	20 / A517	
KE-18	1	REACH-IN SOLID SWING DOOR FREEZER	TRUE	T-49F-HC	480								115 V	1104 W	9.6 A	1	1	NEMA 5-15P	20 / A517	
KE-39	2	GRIDDLES & BROILERS	VULCAN	VCRH36	250					3/4"									17 / A517	
KE-40	2	CHEF BASE DRAWERED REFRIGERATOR	TRUE	TRCB-36	290								115 V	276 W	2.4 A	1/4	1	NEMA 5-15P	17 / A517	
KE-44	1	DUMP STATION	VULCAN	VX15	123								120 V		9.0 A		1	NEMA 5-15P	12 / A517	
KE-45	2	DOUBLE BASKET FRYER	VULCAN	1GR85M	272.5					3/4"									12 / A517	
KE-48	1	ICE BIN	MANITOWOC ICE	LB1448	1692														14 / A517	
KE-49	2	ICE MAKER	MANITOWOC ICE	IYT1500A-261	331								208 V	2974 W	14.3 A		1		5 / A518	
KE-50	1	ICE MACHINE WITH BIN	SCOTSMAN	NS0422A-1	685														14 / A517	
KE-51	2	30" x 36" SS BASE TABLE	REGENCY	600EBT3036D	132.5														4 / A517	
KE-52	2	SOLID DOOR REFRIGERATOR WITH HYDROCARBON REFRIGERANT	TRUE	TUC-72-HC	380								115 V	460 W	4.0 A	1/4	1		12 / A517	
KE-53	1	STAINLESS STEEL COUNTERTOP	CUSTOM	S/S															12 / A518	
KE-54	2	STOCKPOT RANGES	VULCAN	VSP100	145					3/4"									4 / A517	
KE-56	2	48" GRIDDLE	VULCAN	VCRG48-M1	408					3/4"			120 V		2.0 A		1		17 / A517	
KE-57	2	CHEF BASE DRAWERED REFRIGERATOR	TRUE	TRCB-48	325								115 V	621 W	5.4 A	1/5	1		17 / A517	
KE-58	4	ENCLOSED BASE TABLE, 24" x 60"	REGENCY	600EBT2460D	173.5														4 / A517	
KE-59	1	BUTCHER BLOCK COUNTERTOP	JOHN BOOS	BKSC42O	630														9 / A518	
KE-60	1	ICE BIN	FOLLETT CORPORATION	DEV1010SG-48	1400				1"										14 / A517	
KE-61	1	WORKTABLE, ENCLOSED BASE, 30" x 120"	Advance Tabco	CK-SS-3010M	490														7 / A517	
KE-62	2	WALL CABINET, STAINLESS STEEL	REGENCY	600WCH1560	151														7 A517	
KE-63	1	REACH-IN BLAST CHILLER / FREEZER	AVANTCO	SF-10	372								120 V		16.0 A	2	1	NEMA 5-15P	20 / A517	
KE-94	1	ONE COMPARTMENT SINK, 2 DRAINBOARDS	REGENCY	60S124242X	157	3/4"	3/4"		2"										2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET
KE-95	1	ONE COMPARTMENT SINK, LEFT DRAINBOARD	REGENCY	60S1242424XL	144														2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET
KE-96	1	ONE COMPARTMENT SINK, WITH LEFT-HAND DRAINBOARD	REGENCY	60S1181818XL	124	3/4"	3/4"		2"										2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET
KE-97	1	ONE COMPARTMENT SINK, WITH RIGHT-HAND DRAINBOARD	REGENCY	60S1181818XR	87	3/4"	3/4"		2"										2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET
KE-98	4	HAND SINK	ADVANCE TABCO	7-PS-40		1/2"	1/2"	2"												WALL MOUNTED PER MANUFACTURER INSTRUCTIONS ((2) #12 SMS @ WALL MOUNTING BRACKET, (2) #12 @ PRE-DRILLED ANCHOR HOLES)
KE-103	1	WORKTOP COUNTER REFRIGERATOR	TRUE	TWT-60	345								230 V	966 W	4.2 A	1/4	1	NEMA 5-15P	12 / A517	
KE-106	1	WALL MOUNT POT AND KETTLE FILLER	T&S BRASS AND BRONZE WORKS	B-0605																WALL MOUNTED PER MANUFACTURER INSTRUCTIONS
KE-113	1	ONE COMPARTMENT SINK, RIGHT DRAINBOARD	REGENCY	60S1242424XR	138	3/4"	3/4"		2"										2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET
KE-116	1	FILLER TABLE (30" x 24")	REGENCY	600TB3024G	44															

SCULLERY (128) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-64	1	3 COMPARTMENT SINK / SOILED DISH TABLE	CUSTOM	S/S															2 / A517	AT 3 COMP (CHICAGO FAUCETS 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET, CHICAGO FAUCETS 540-LDL8E35XKABCP) AT GARBAGE DISPOSAL (CHICAGO FAUCETS 510-GXKCAB)
KE-65	1	DISHWASHER, DOOR TYPE, HIGH TEMP ELECTRIC	HOBART	AM16-BAS	312								208 V		52.5 A		3	HARDWIRE	4 / A517	
KE-66	1	CLEAN DISHTABLE	CUSTOM	S/S															2 / A517	
KE-80	2	NSF CHROME WIRE 4-SHELF 24"x72"x96"	REGENCY	460EC2472K94	55														4 / A517	

BAKING (129) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY 2	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-67	1	iCombi Pro 20 - Full Size	RATIONAL AG	iCombi Classic 20-2/1 G	740					3/4"			240 V	2200 W	9.2 A		2		14 / A517	WATER FILTER O.F.O.I
KE-68	2	DOUBLE-DECK CONVECTION OVEN	VULCAN-HART	VC44GD	530					3/4"			120 V		15.4 A	1/2	1	NEMA 5-15P	14 / A517	
KE-70	2	WORK TABLE, BAKERS TOP	JOHN BOOS	BAK03	207														12 / A517	
KE-71	1	SPIRAL DOUGH MIXER	ESTELLA	SM160	1070								220 V		28.9 A		3		22 / A517	
KE-72	1	EQUIPMENT STAND	REGENCY	600ES3036GK	65.75														12 / A517	
KE-73	1	BREAD SLICER	ESTELLA	348BSL12	230														15 / A517	
KE-74	1	HOLDING / PROOFING CABINET	AVANTCO	HPI-1836	213								120 V	1440 W			1		12 / A517	
KE-93	1	UTILITY SINK	REGENCY	600S13621SB	46														2 / A517	CHICAGO FAUCETS 540-LDGN8AE35ABCP WALL MOUNTED FAUCET
KE-102	2	20 PAN RACK	REGENCY	109APR1820L	33														12 / A517	

DELIVERY & RECEIPT 1 (114) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-75	2	7' x 7' WALK-IN 4 TIER SHELVING UNIT, GREEN EPOXY	REGENCY	460EG88WI	249															
KE-76	1	ENCLOSED BASE TABLE WITH BACKSPLASH	REGENCY	600EBTB3072D	266														7 / A517	
KE-77	1	WORK TABLE, STAINLESS STEEL, 30" x 72"	REGENCY	600TSS3072S	95														4 / A517	
KE-78	1	WORK TABLE, STAINLESS STEEL, 30" x 60"	REGENCY	600TSS3060S	80														4 / A517	
KE-82	1	WORK TABLE, STAINLESS STEEL, 30" x 48"	REGENCY	600TSS3048S	70														4 / A517	
KE-95	1	ONE COMPARTMENT SINK, LEFT DRAINBOARD	REGENCY	60S1242424XL	144														2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET
KE-107	2	10 BUSHEL LAUNDRY CART	ULINE	H-2446BL	34															

DRY STORAGE (125) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-79	5	HEAVY-DUTY STEEL SHELVING	ULINE	H-4262	305														1 / A518	
KE-80	7	NSF CHROME WIRE 4-SHELF 24"x72"x96"	REGENCY	460EC2472K94	55														4 / A517	

DELIVERY & RECEIPT 2 (109) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-75	2	7' x 7' WALK-IN 4 TIER SHELVING UNIT, GREEN EPOXY	REGENCY	460EG88WI	249															
KE-80	2	NSF CHROME WIRE 4-SHELF 24"x72"x96"	REGENCY	460EC2472K94	55														4 / A517	
KE-82	1	WORK TABLE, STAINLESS STEEL, 30" x 48"	REGENCY	600TSS3048S	70														4 / A517	
KE-113	1	ONE COMPARTMENT SINK, RIGHT DRAINBOARD	REGENCY	60S1242424XR	138	3/4"	3/4"		2"										2 / A517	CHICAGO FAUCET 510-GVB613L12XKCAB PRE-RINSE FITTING WITH 613-A ADAPTA FAUCET

LINEN (124) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-82	1	WORK TABLE, STAINLESS STEEL, 30" x 48"	REGENCY	600TSS3048S	70														4 / A517	
KE-86	1	WALL CABINET, STAINLESS STEEL	REGENCY	600WCH1548	134														7 / A517	
KE-87	2	NSF CHROME WIRE 4-SHELF 24"x48"x96"	REGENCY	460EC2448K94	50														4 / A517	
KE-88	2	STACKED WASER AND DRYER	CROSSOVER	865ELFREESTACKKIT (WHLFP817MC2, DLH0817EC2)	520														20 / A517	
KE-93	1	UTILITY SINK	REGENCY	600S13621SB	46														2 / A517	CHICAGO FAUCETS 540-LDGN8AE35ABCP WALL MOUNTED FAUCET

SODA ISLAND (DINING 100A) - FOOD SERVICE EQUIPMENT SCHEDULE

TYPE MARK	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MECH./PLUMBING							ELECTRICAL						ANCHORAGE	COMMENTS
						HW	CW	DW	IW	GAS CONN.	MBTU/ HR	PLUMBING REMARKS	VOLTS	WATTS	AMPS	HP	PHASE	ELEC. CONN.		
KE-37	2	GLASS FILLER STATION, DECK MOUNTED	REGENCY	600GFWS41012			1/2"		1 1/2"											INSET IN COUNTERTOP, PER MANUFACTURER INSTRUCTIONS
KE-92	2	ICE BEVERAGE DISPENSER	CORNELIUS	ENDURO 250 10 VALVE	340		3/8"		3/4"				120 V		3.5 A		1		12 & 22 / A515	
KE-110	1	PEPSI 4 FLAVOR ELECTRIC DISPENSER	SCHROEDER AMERICA	959	23		3/8"		3/4"				120 V	90 W			1	NEMA 5-15P	4 / A518	

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
KITCHEN EQUIPMENT SCHEDULE

PROJECT NO.
22-12499

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A513

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FIRST FLOOR - KITCHEN UTILITIES- ENLARGED FLOOR PLAN

1/4" = 1'-0" | 10

KEYNOTES

22.15 HOSE BIBB, SEE PLUMBING
23.06 AIR CURTAIN, SEE MECHANICAL

KITCHEN UTILITIES LEGEND

ELECTRICAL LEGEND

- 120V DUPLEX OUTLET
- SPECIALTY OUTLET
- DATA OUTLET
- JUNCTION BOX

PLUMBING LEGEND

- HOT WATER
- COLD WATER
- GAS CONNECTION
- HOSE BIBB
- INDIRECT WASTE
- DIRECT WASTE
- FLOOR DRAIN
- FLOOR SINK
- FLOOR TROUGH

KITCHEN UTILITIES NOTES

IT IS THE INTENT OF THIS PLAN TO INDICATE THE ROUGH-IN LOCATION FOR THE FOOD SERVICE EQUIPMENT ONLY. REFER TO ELECTRICAL AND PLUMBING FOR ADDITIONAL REQUIREMENTS.

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED FIRST FLOOR PLANS - KITCHEN UTILITIES

PROJECT NO.
22-12499

DRAWING
A514

PLOT DATE: 8/14/2026 11:00:40 AM

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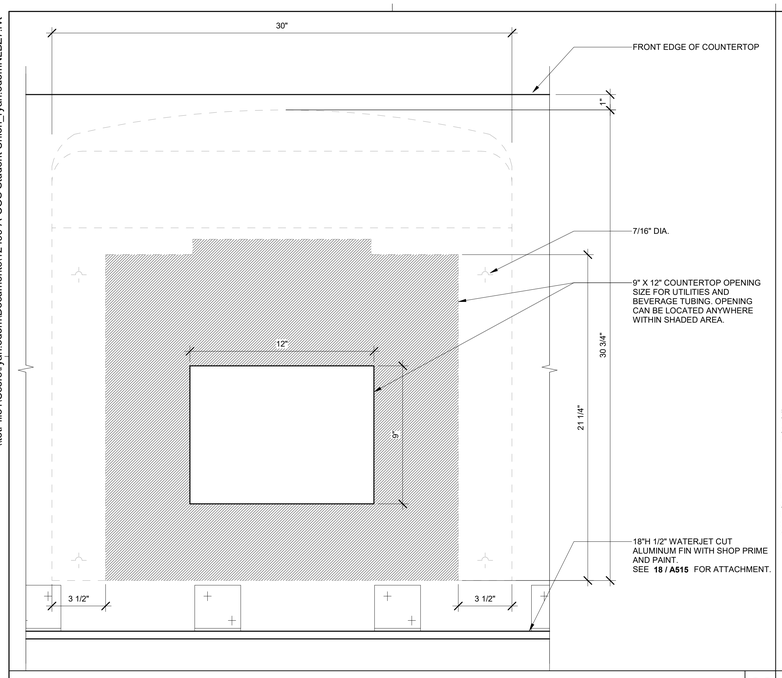
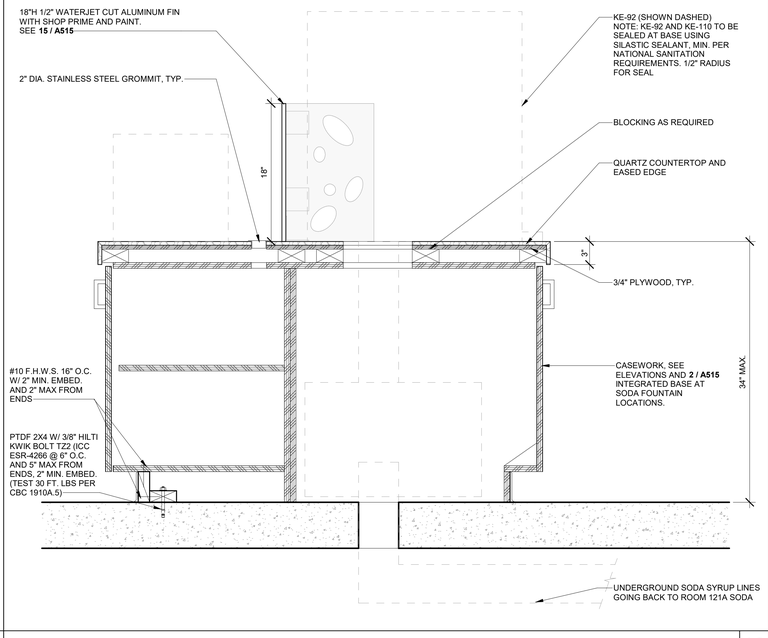
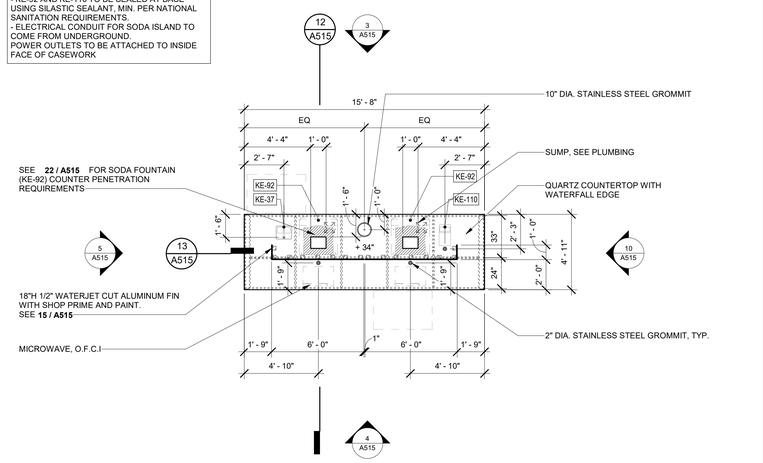


SODA FOUNTAIN COUNTERTOP PENETRATION — 3" = 1'-0" — 22



SODA ISLAND - SECTION — 1 1/2" = 1'-0" — 12

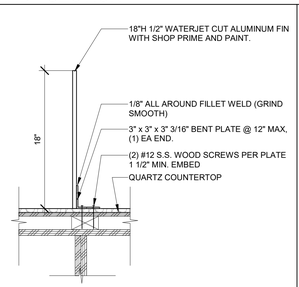
NOTE:
- COUNTERTOP SUPPORT MUST EXCEED 580 LBS FOR EACH KE-92
- KE-92 AND KE-110 TO BE SEALED AT BASE USING SILASTIC SEALANT, MIN. PER NATIONAL SANITATION REQUIREMENTS.
- ELECTRICAL CONDUIT FOR SODA ISLAND TO COME FROM UNDERGROUND. POWER OUTLETS TO BE ATTACHED TO INSIDE FACE OF CASEWORK



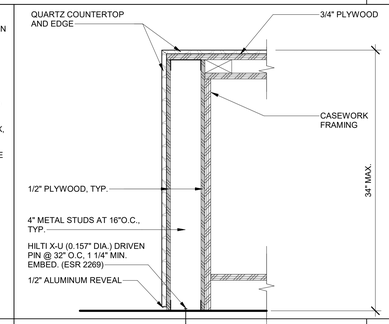
SEE A513 FOR KITCHEN EQUIPMENT SCHEDULE

NORTH

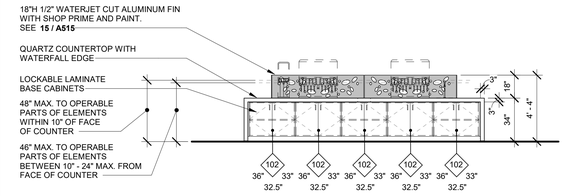
SODA ISLAND - PLAN — 1/4" = 1'-0" — 2



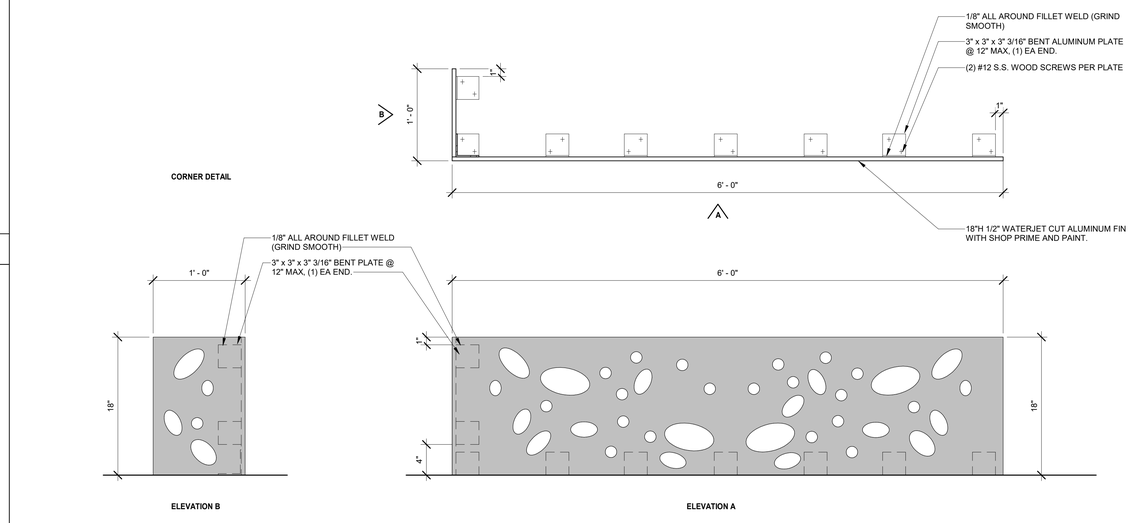
ALUMINUM FIN ATTACHMENT — 1 1/2" = 1'-0" — 18



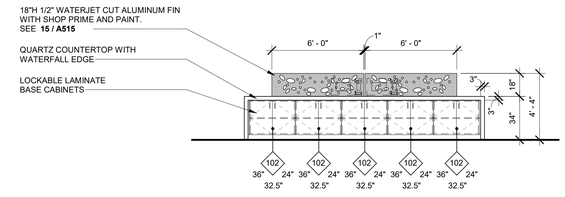
SODA ISLAND - WATERFALL EDGE — 1 1/2" = 1'-0" — 13



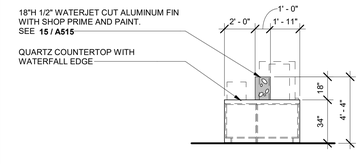
SODA ISLAND - WEST ELEVATION — 1/4" = 1'-0" — 3



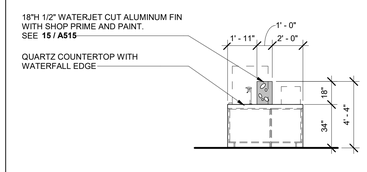
ALUMINUM FIN ELEVATIONS — 1 1/2" = 1'-0" — 15



SODA ISLAND - EAST ELEVATION — 1/4" = 1'-0" — 4



SODA ELEVATION - NORTH ELEVATION — 1/4" = 1'-0" — 10



SODA ISLAND - SOUTH ELEVATION — 1/4" = 1'-0" — 5

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DINING SODA ISLAND

PROJECT NO.
22-12499

DRAWING
A515

PLOT DATE: 8/14/2026 11:00:44 AM

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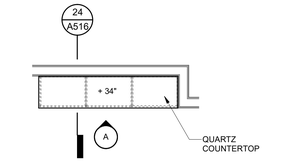
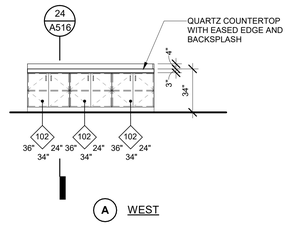
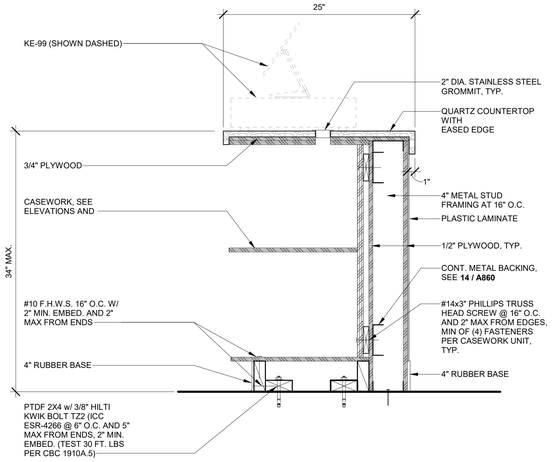


NORTH



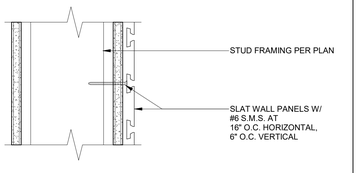
NOTE: ALL CABINET DOORS AND DRAWERS TO HAVE LOCKS

WEST CASEWORK - GROVE MARKET 1/4" = 1'-0" 22



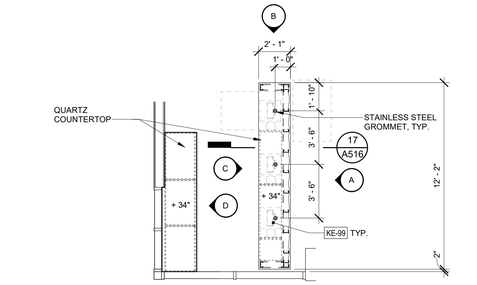
SERVICE COUNTER SECTION - GROVE MARKET 1 1/2" = 1'-0" 17

WEST CASEWORK SECTION - GROVE MARKET 1 1/2" = 1'-0" 24



SLAT WALL 3" = 1'-0" 30

SEE A513 FOR KITCHEN EQUIPMENT SCHEDULE



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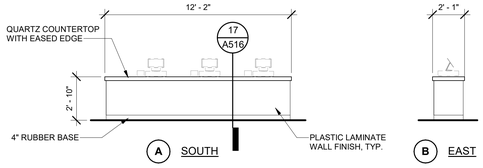
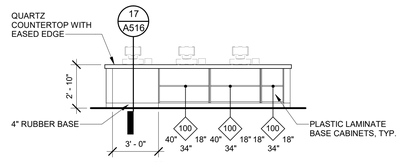
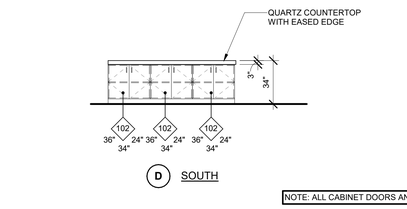


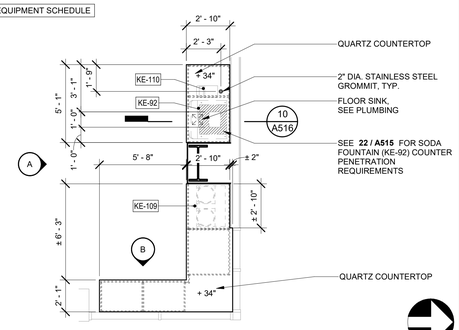




NOTE: ALL CABINET DOORS AND DRAWERS TO HAVE LOCKS

SOUTH CASEWORK - GROVE MARKET 1/4" = 1'-0" 8

SEE A513 FOR KITCHEN EQUIPMENT SCHEDULE



NORTH

NOTE:
- COUNTERTOP SUPPORT MUST EXCEED 580 LBS FOR EACH KE-92.
- KE-92 AND KE-110 TO BE SEALED AT BASE USING SILASTIC SEALANT, MIN. PER NATIONAL SANITATION REQUIREMENTS.
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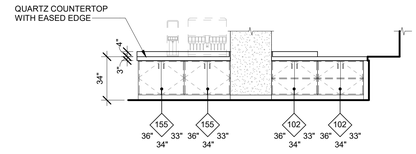
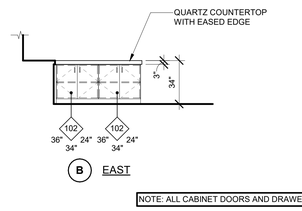
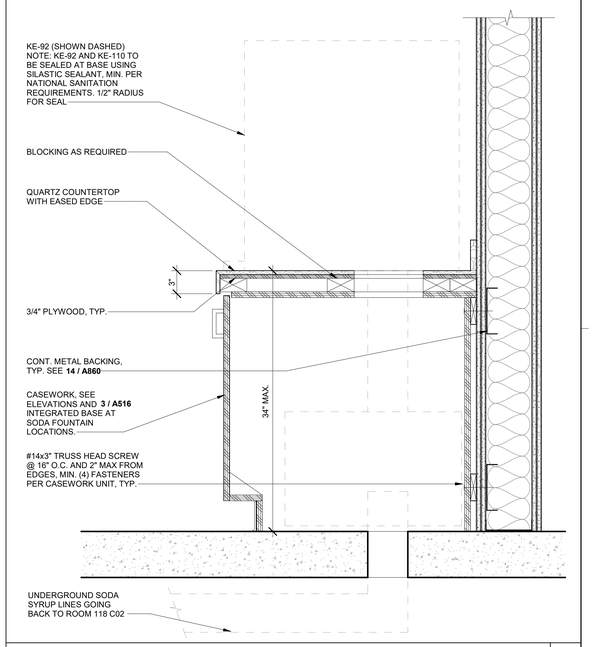
- POWER OUTLETS TO BE ATTACHED TO INSIDE FACE OF CASEWORK





NOTE: ALL CABINET DOORS AND DRAWERS TO HAVE LOCKS

NORTH CASEWORK - GROVE MARKET 1/4" = 1'-0" 3



CASEWORK AT SODA MACHINE - GROVE MARKET 1 1/2" = 1'-0" 10

MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
GROVE MARKET CASEWORK

PROJECT NO.
22-12499

DRAWING
A516

PLOT DATE: 8/14/2026 11:00:47 AM

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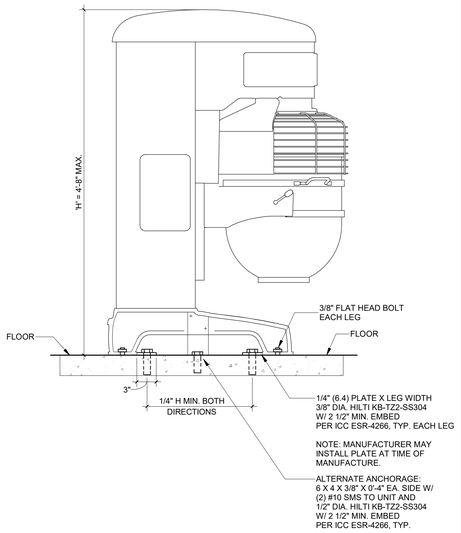
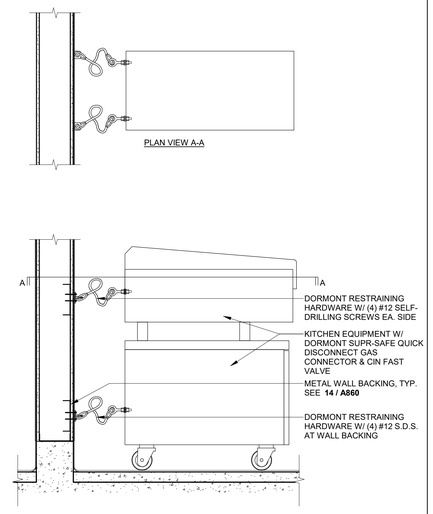
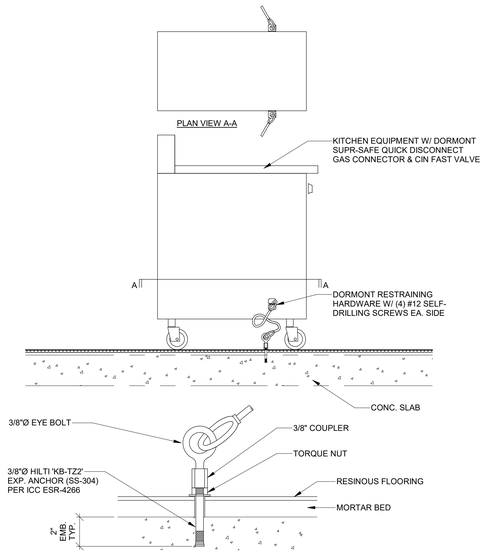


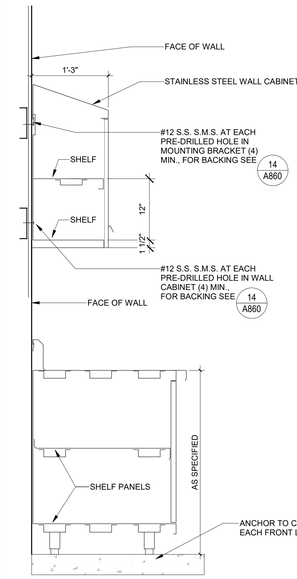
FLOOR MOUNTED MIXER 1" = 1'-0" | 22



ACHORAGE FOR STACKED EQUIPMENT 1" = 1'-0" | 17

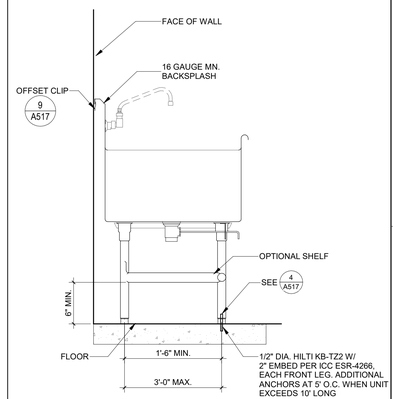


TYPICAL ACHORAGE FOR MOBILE EQUIPMENT 1" = 1'-0" | 12



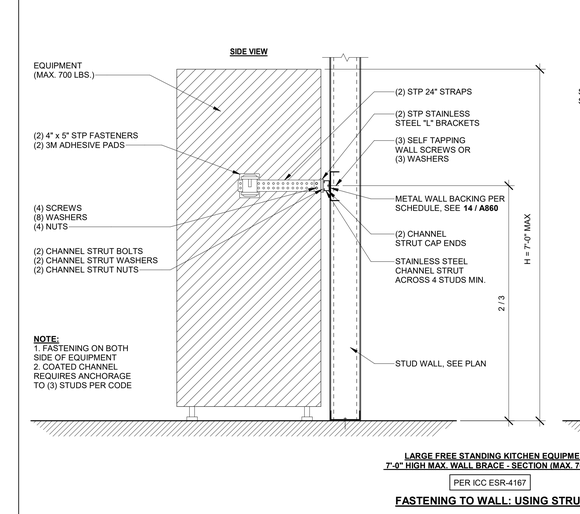
NOTE:
THE DETAILS SHOWN OF JOINTS AND SEAMS ARE GRAPHIC REPRESENTATIONS ONLY AND ARE NOT INTENDED TO INDICATE SPACING BETWEEN THE METAL ELEMENTS.

STAINLESS STEEL CABINET 1" = 1'-0" | 7

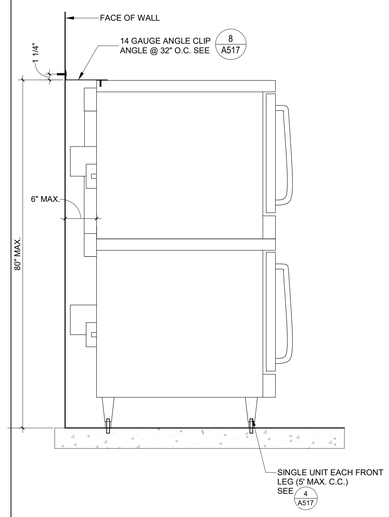


NOTE:
THE DETAILS SHOWN OF JOINTS AND SEAMS ARE GRAPHIC REPRESENTATIONS ONLY AND ARE NOT INTENDED TO INDICATE SPACING BETWEEN THE METAL ELEMENTS

WALL ATTACHED SINK WORK TABLE 1" = 1'-0" | 2

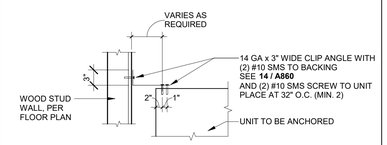


KITCHEN EQUIPMENT WALL RESTRAINT 3" = 1'-0" | 20

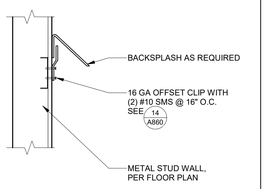


NOTE:
MAXIMUM UNIT WIDTH 60"

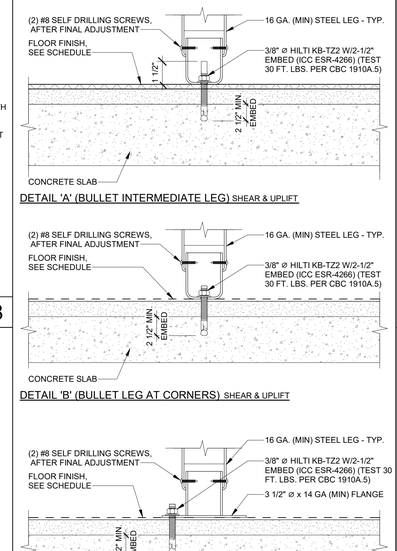
FLOOR MOUNTED EQUIPMENT AGAINST WALL 1" = 1'-0" | 14



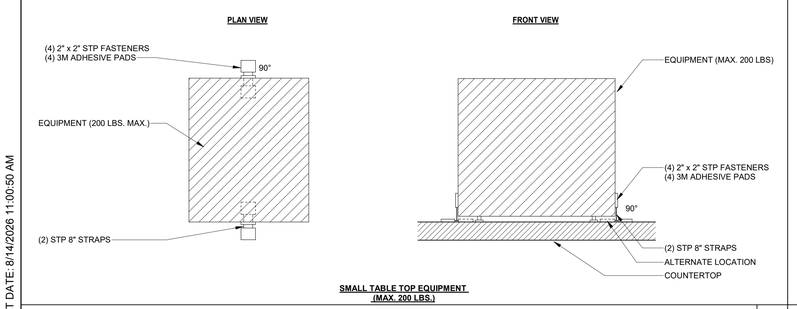
TOP ANGLE CONNECTION 1" = 1'-0" | 8



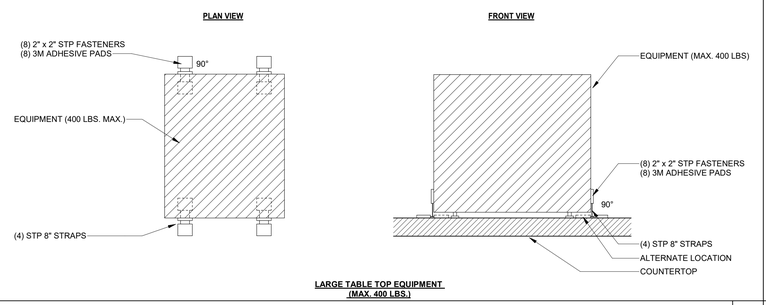
OFFSET CLIPS 1" = 1'-0" | 9



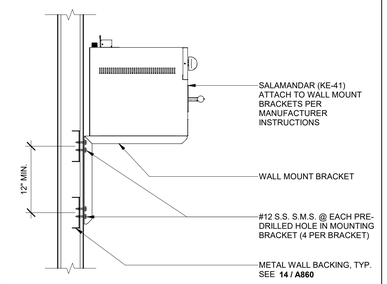
KITCHEN EQUIPMENT ANCHORAGE 3" = 1'-0" | 4



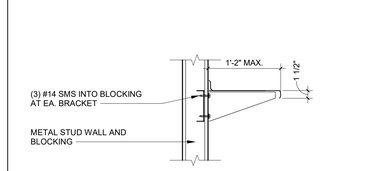
SMALL COUNTERTOP/TABLETOP EQUIPMENT FASTENERS 3" = 1'-0" | 25



COUNTERTOP/TABLETOP EQUIPMENT FASTENERS N.T.S. | 15



WALL MOUNT SALAMANDAR 1" = 1'-0" | 10



WALL MOUNTED SHELVES 1" = 1'-0" | 5

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DETAILS - KITCHEN EQUIPMENT ANCHORAGE

PROJECT NO.
22-12499

DRAWING
A517

PLOT DATE: 8/14/2026 11:00:50 AM

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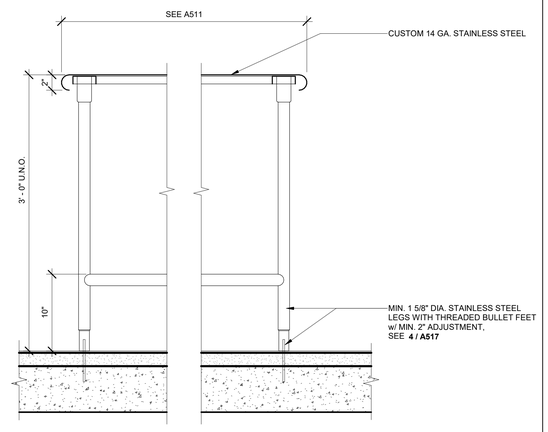
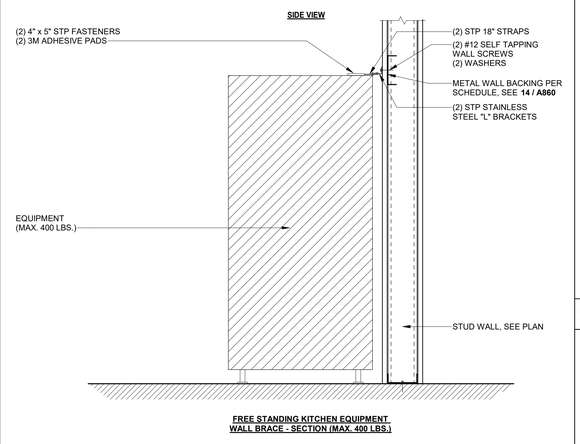


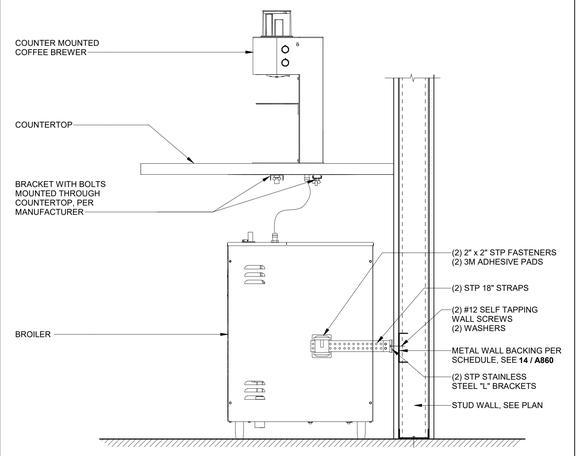
STAINLESS STEEL COUNTER ANCHORAGE

1 1/2" = 1'-0" | 12



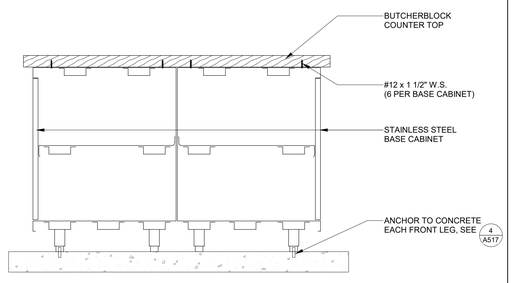
KITCHEN EQUIPMENT WALL RESTRAINT

3" = 1'-0" | 7



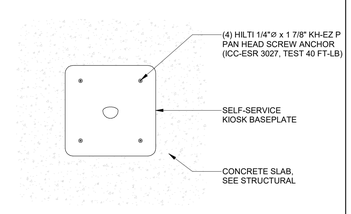
COUNTER MOUNTED COFFEE BREWER AND BROILER

1 1/2" = 1'-0" | 8



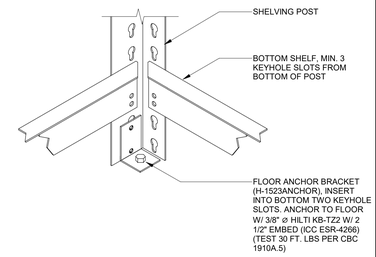
BUTCHERBLOCK COUNTERTOP ANCHORAGE

1" = 1'-0" | 9



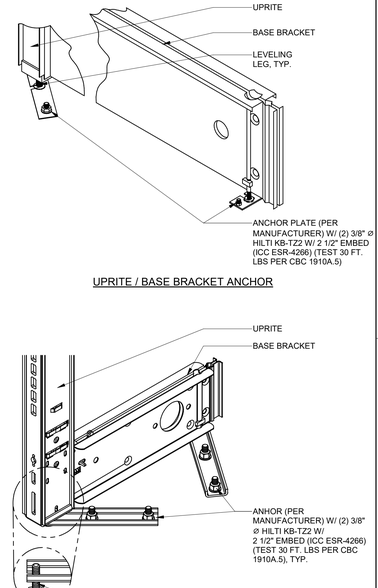
SELF-SERVICE KIOSK ANCHORAGE

1 1/2" = 1'-0" | 10



SHELVING FLOOR ANCHOR

N.T.S. | 1

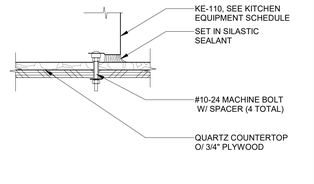


UPRITE / BASE BRACKET ANCHOR

END BRACKET ANCHOR

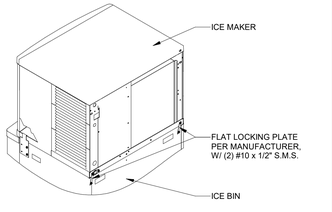
GONDOLA SHELVING ANCHOR

N.T.S. | 3



DRINK DISPENSER ANCHOR

3" = 1'-0" | 4



ICE MAKER TO ICE BIN

N.T.S. | 5

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B	08-14-26	DSA BACKCHECK

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

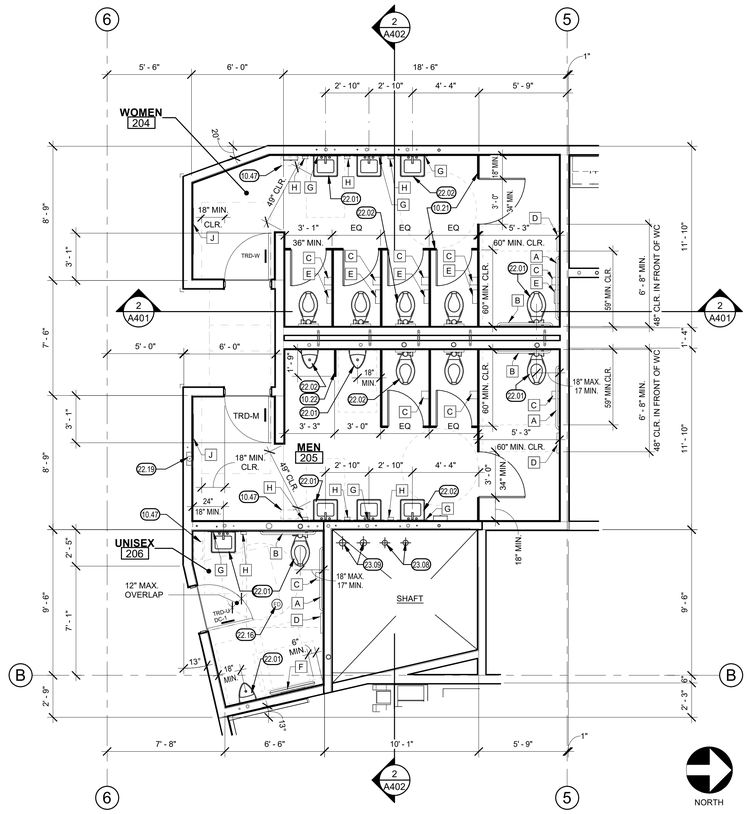
DRAWING TITLE
DETAILS - KITCHEN EQUIPMENT ANCHORAGE

PROJECT NO.
22-12499

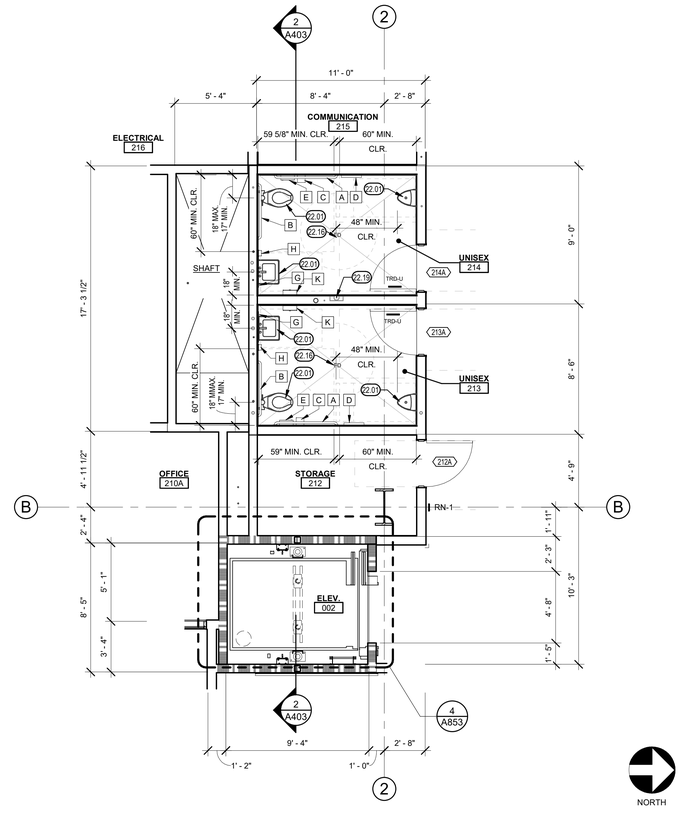
DRAWING
A518

PLOT DATE: 8/14/2026 11:00:53 AM

\\tetr-file1\Users\ryan.odom\Documents\12499-A-COS Student Union_ryan.odomNLB27.rvt



SECOND FLOOR SOUTH RESTROOM - ENLARGED FLOOR PLAN 1/4" = 1'-0" 18



SECOND FLOOR NORTH RESTROOM - ENLARGED FLOOR PLAN 1/4" = 1'-0" 8

KEYNOTES

10.21	TOILET COMPARTMENT/URINAL SCREEN, SEE **4 / A800**
10.22	URINAL SCREEN END SUPPORT, SEE **23 / A800**
10.47	WASTE RECEPTACLE, (O.F.O.I.)
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
22.16	FLOOR DRAIN 1/2" MAX/ OPENINGS, SEE PLUMBING
22.19	TRAP PRIMER, SEE PLUMBING
23.08	HEATING HOT WATER SUPPLY AND RETURN, SEE MECHANICAL
23.09	CHILLED WATER SUPPLY AND RETURN, SEE MECHANICAL

LEGEND

- MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- TRD-U — WALL SIGNAGE, SEE **3 / A801** & **18 / A801**
- 201A — DOOR REFERENCE SEE DOOR SCHEDULE ON SHEET **A700**
- XX — WINDOW REFERENCE SEE WINDOW SCHEDULE ON SHEETS **A702 - A704**
- F.E.C. — FIRE EXTINGUISHER & CABINET, SEE **12 / A860**
- 1 HR FIRE BARRIER ASSEMBLY SEE A001 FOR PARTITION TYPES. SEE A870, A871, A872, A873, A874 FOR FIRE RESISTIVE CONSTRUCTION
- C.G. — CORNER GUARD, SEE **5 / A860**
- E.W.G. — END WALL GUARD, SEE **10 / A860**

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

GENERAL NOTES

A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** AND **3 / A800**

B. FOR TYPICAL CASEWORK ANCHORAGE , SEE **25 / A860**

C. PROVIDE FIRE EXTINGUISHER: CLASS 2A: 10B:C MIN. PER NFPA 10, ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".

D. ALL DIMENSIONS TO FACE OF STUD, U.N.O. DIMENSIONS WITH "MIN.","CLR.", ARE MEASURED FROM FACE OF WALL FINISH.

E. TYP. INTERIOR WALL FINISH FOR STUD WALLS: 5/8" TYPE 'X' GYP. BD., WATER RESISTANT TYPE IN RESTROOMS WHERE LOCATED WITHIN 2'-0" OF THE FRONT AND/OR SIDES OF PLUMBING FIXT. GYP. BD. APPLICATION SHALL COMPLY w/ CBC SECTION 2508. GYP. BD. SHALL BE FASTENED TO SUPPORTS w/ SCREWS.

F. ACOUSTICAL INSULATION: ALL INTERIOR STUD WALLS OF THE FOLLOWING SPACES SHALL BE INSULATED w/ ACOUSTICAL INSULATION:

   a. FOR ACOUSTICAL WALL DETAIL, SEE **11 / A875**

   b. ALL WALLS & CEILINGS OF : PRIVATE OFFICES, ELECTRICAL, MECHANICAL, COMMUNICATIONS, TOILET ROOMS, AND CONFERENCE ROOMS.

G. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE **18 / A800**

H. FOR ACCESSIBLE SINK KNEE/TOE SPACE, SEE **10 / A800**

I. FOR ACCESSIBLE WORK COUNTER KNEE/TOE SPACE, SEE **22 / A800**

J. ALL NEW FLOOR SUBSTRATES ARE TO BE CLEANED, PATCHED, REPAIRED, LEVELED, AND PREPARED AS REQUIRED BY FLOORING FINISH MANUFACTURER RECOMMENDATIONS FOR FLOORING FINISH SYSTEM SCHEDULED.

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED SECOND FLOOR PLANS

PROJECT NO.
22-12499

DRAWING
A520

PLOT DATE: 8/14/2026 11:00:59 AM

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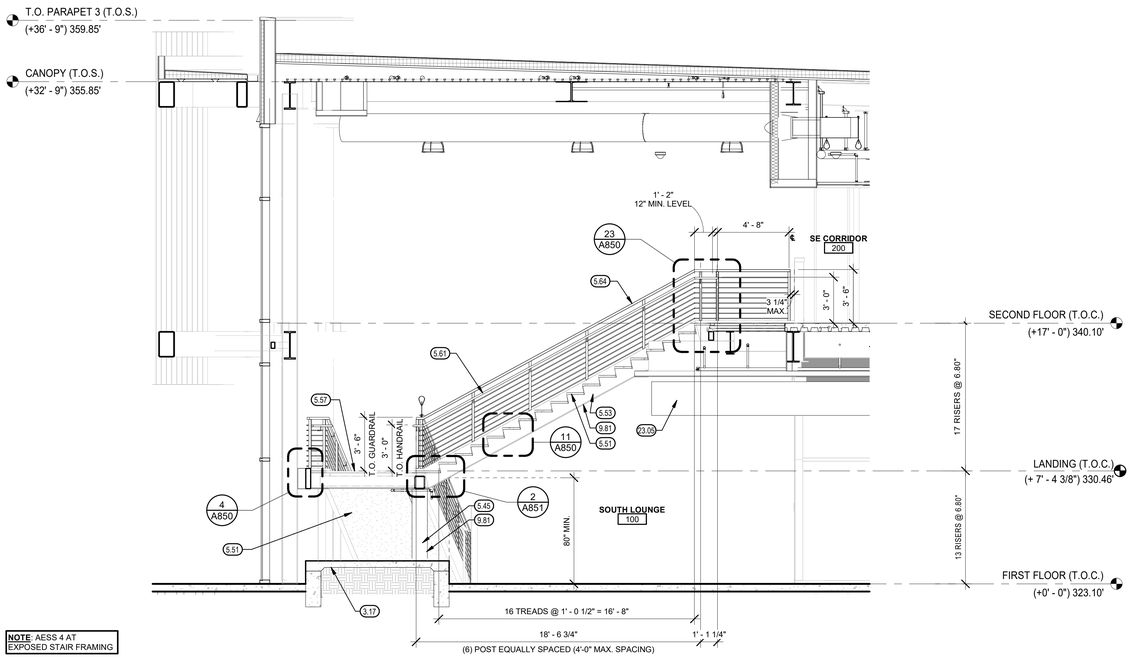
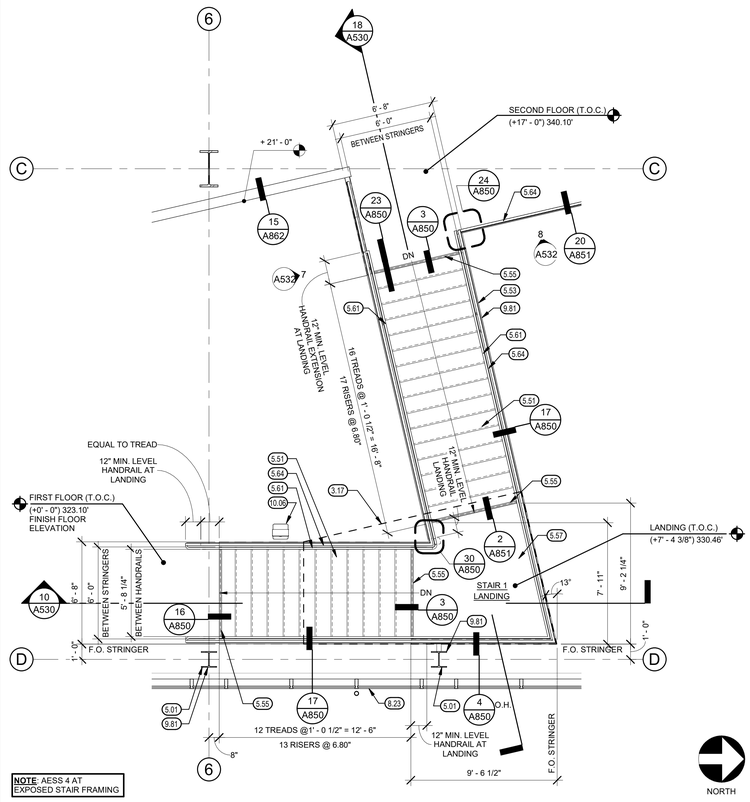


NOTE: AESS 4 AT EXPOSED STAIR FRAMING

STAIR 1 SECTION 1/4" = 1'-0" | 18

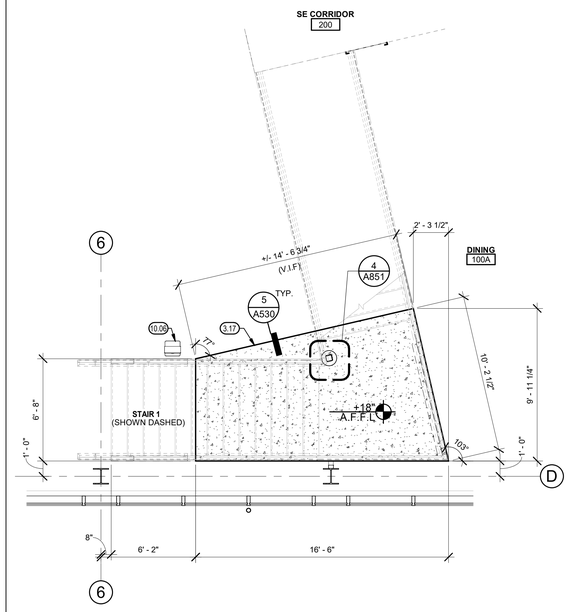


NOTE: AESS 4 AT EXPOSED STAIR FRAMING

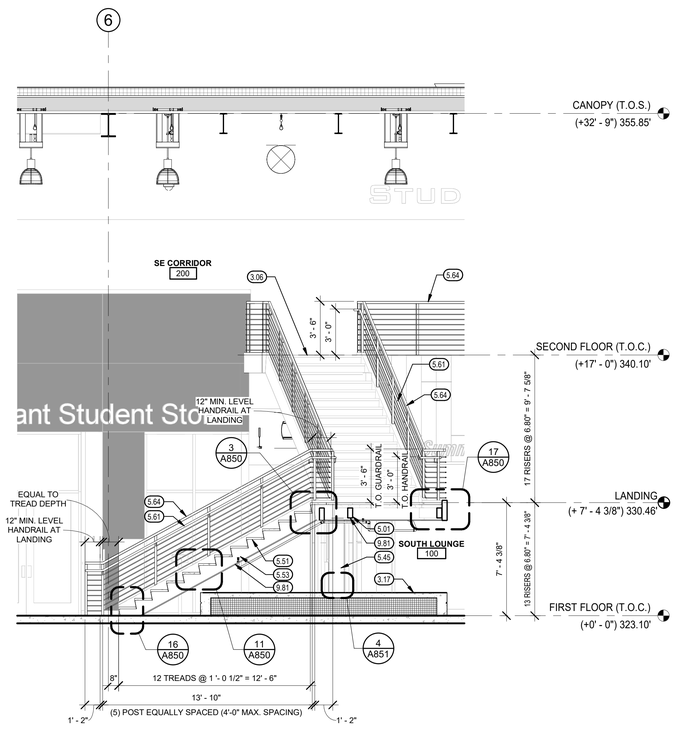
STAIR 1 ENLARGED FLOOR PLAN 1/4" = 1'-0" | 8

KEYNOTES

3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.17	RAISED CONCRETE SLAB, SEE **5 / A530**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.45	COLUMN COVER, SEE **4 / A851**
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
5.53	EXPOSED STAIR STRINGER, TYP. - SEE STRUCTURAL
5.55	NON-SLIP METAL STAIR NOSING WITH CONTRASTING COLOR STRIPE AT NOSE OF TOP OF LANDING AND BOTTOM TREAD, SEE **3 / A850** & **16 / A850**
5.57	STEEL STAIR CONCRETE LANDING
5.61	HANDRAIL, TYP. SEE **12 / A850**
5.64	GUARDRAIL, TYP. SEE **14 / A850**
8.23	ALUMINUM CURTAIN WALL, TYP., - SEE WINDOW SCHEDULE
9.81	PAINT FINISH TO EXPOSED STEEL
10.06	SELF-SERVE KIOSK, O.F.C.I, SEE **10 / A518**
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL



STAIR 1 ENLARGED FLOOR PLAN - RAISED SLAB 1/4" = 1'-0" | 20

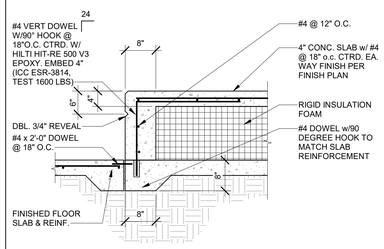


NOTE: AESS 4 AT EXPOSED STAIR FRAMING

STAIR 1 - SECTION 1/4" = 1'-0" | 10

GENERAL NOTES

A. ALL DIMENSIONS WITH "MIN.","CLR.", ARE MEASURED FROM FACE OF WALL FINISH.



RAISED SLAB 3/4" = 1'-0" | 5

PLOT DATE: 8/14/2026 11:01:11 AM

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED FLOOR PLANS - STAIRS

PROJECT NO.
22-12499

DRAWING
A530

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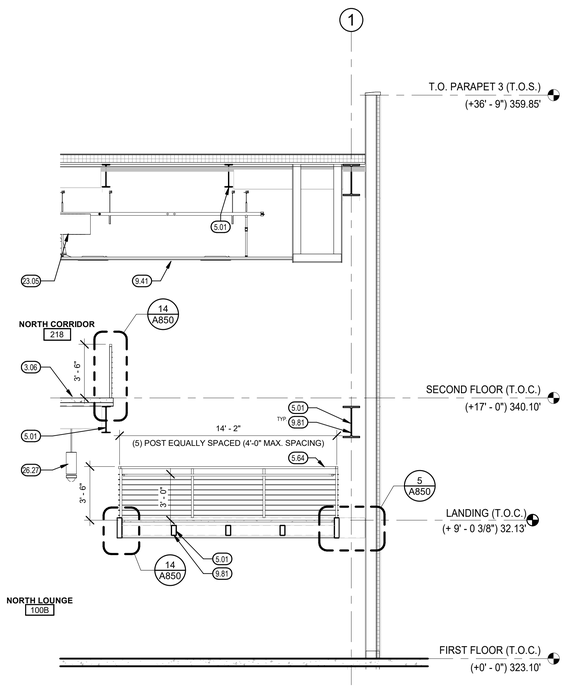
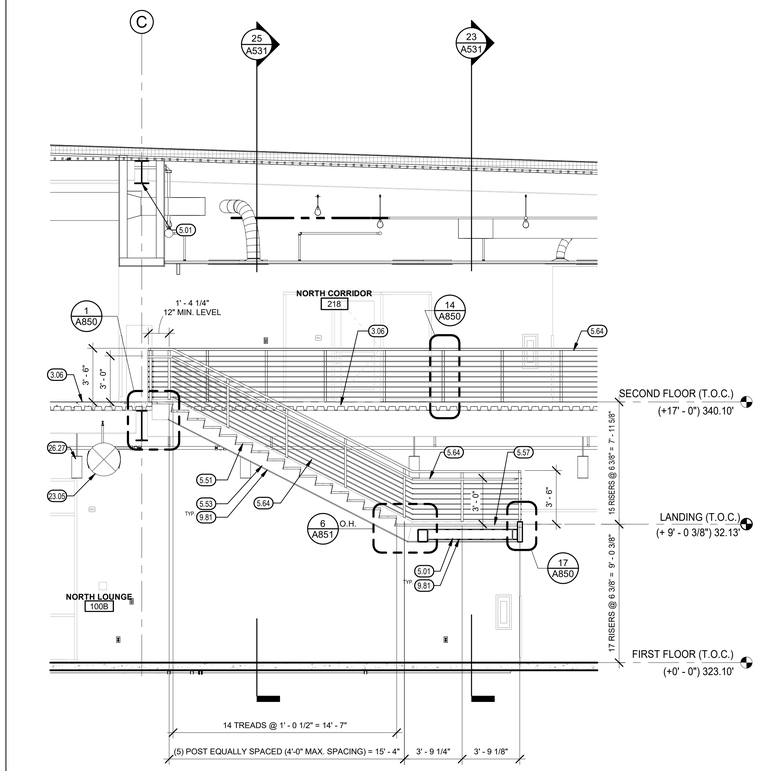
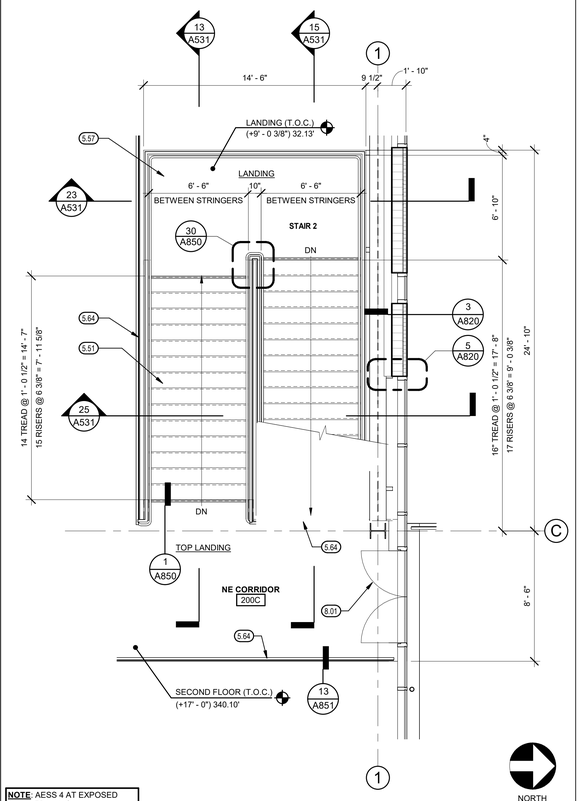


STAIR 2 - SECOND FLOOR - SECTION 1/4" = 1'-0" | 23



NOTE: AESS 4 AT EXPOSED STAIR FRAMING

STAIR - 2 SECOND FLOOR - SECTION 1/4" = 1'-0" | 13

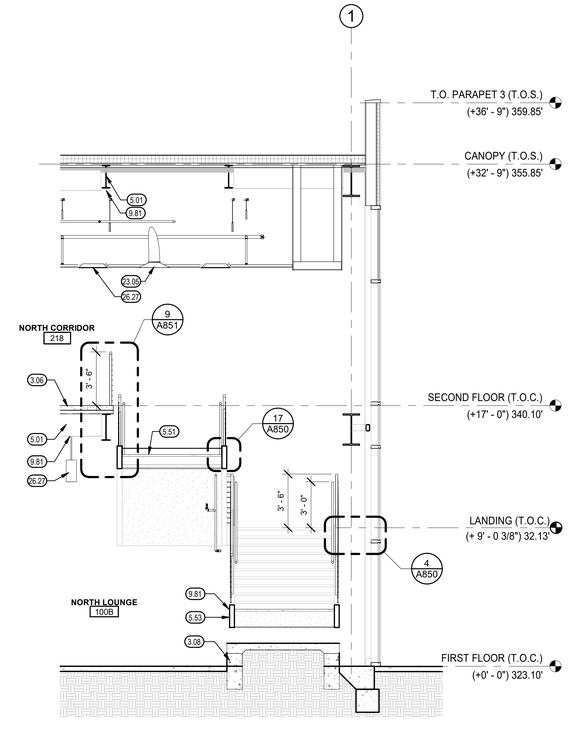


NOTE: AESS 4 AT EXPOSED STAIR FRAMING

STAIR 2 - ENLARGED FLOOR PLAN - SECOND FLOOR 1/4" = 1'-0" | 8

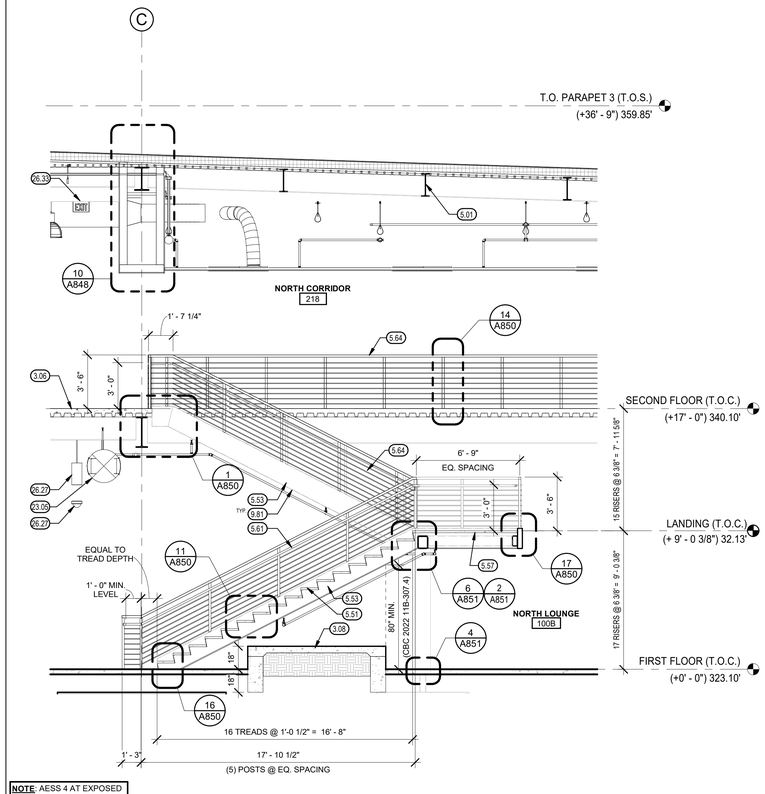
KEYNOTES

3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.08	CONCRETE BENCH, SEE **5 / A530**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
5.53	EXPOSED STAIR STRINGER, TYP. - SEE STRUCTURAL
5.55	NON-SLIP METAL STAIR NOSING WITH CONTRASTING COLOR STRIPE AT NOSE OF TOP OF LANDING AND BOTTOM TREAD, SEE **3 / A850** & **16 / A850**
5.57	STEEL STAIR CONCRETE LANDING
5.61	HANDRAIL, TYP. SEE **12 / A850**
5.64	GUARDRAIL, TYP. SEE **14 / A850**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.23	ALUMINUM CURTAIN WALL, TYP., - SEE WINDOW SCHEDULE
9.41	SUSPENDED ACOUSTIC PANEL CEILING, TYP., SEE 2 / A845
9.81	PAINT FINISH TO EXPOSED STEEL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL
32.22	CONCRETE SEATING WALL, SEE **2 / A533**



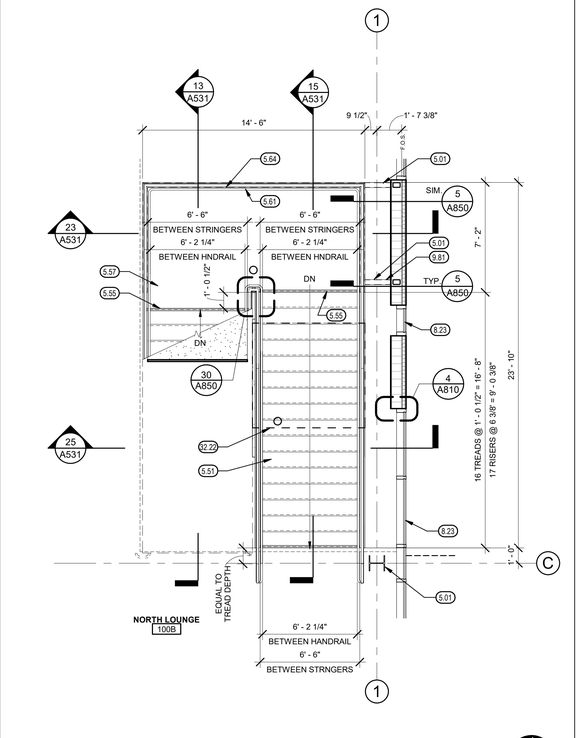
NOTE: AESS 4 AT EXPOSED STAIR FRAMING

STAIR 2 - FIRST FLOOR - SECTION 1/4" = 1'-0" | 25



NOTE: AESS 4 AT EXPOSED STAIR FRAMING

STARI 2 - FIRST FLOOR SECTION 1/4" = 1'-0" | 15



NOTE: AESS 4 AT EXPOSED STAIR FRAMING

STAIR 2 - ENLARGED FLOOR PLAN - FIRST FLOOR 1/4" = 1'-0" | 10

GENERAL NOTES

A. ALL DIMENSIONS WITH "MIN.","CLR.", ARE MEASURED FROM FACE OF WALL FINISH.

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

PROJECT NO.
22-12499

DRAWING TITLE
ENLARGED FLOOR PLANS - STAIRS

DRAWING
A531

PLOT DATE: 8/14/2026 11:01:24 AM

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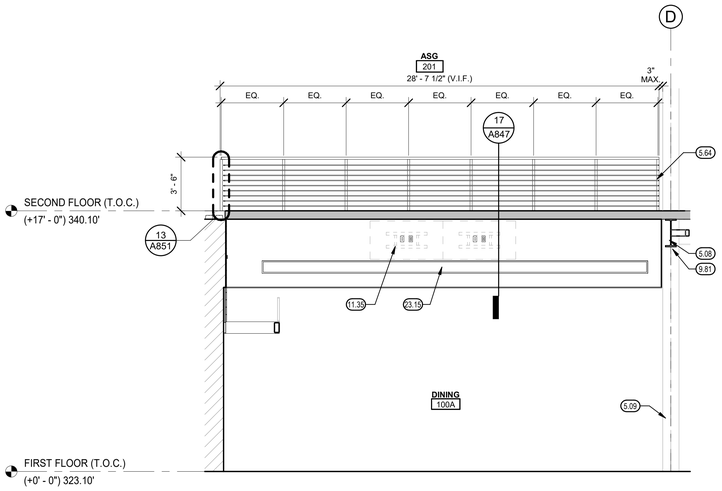
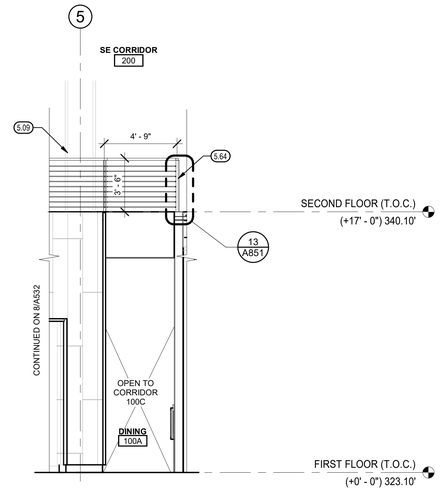
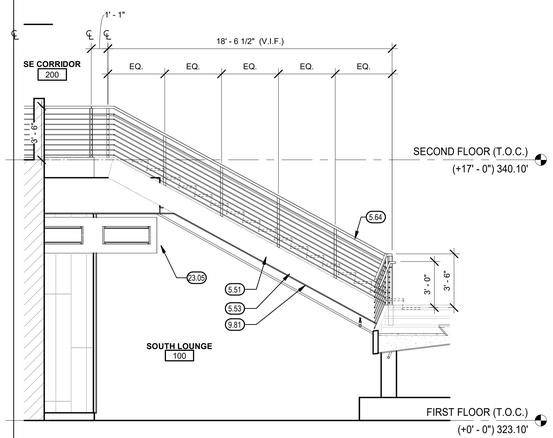


GUARDRAIL AT ASG 2F - NORTH ELEVATION 1/4" = 1'-0" 22



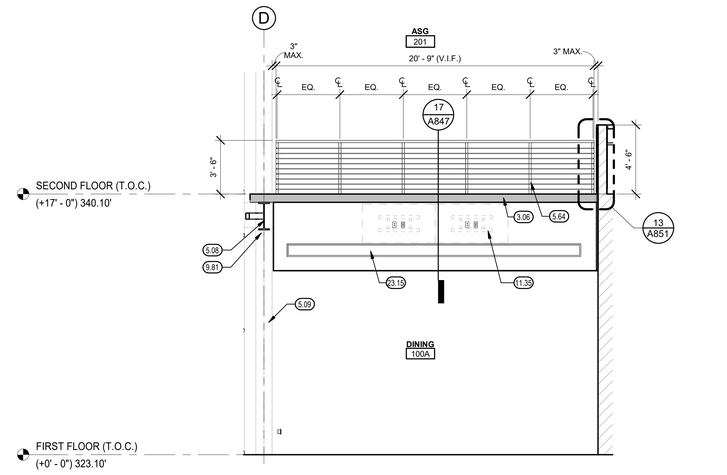
GUARDRAIL AT SE CORRIDOR 2F - WEST ELEVATION 1/4" = 1'-0" 17



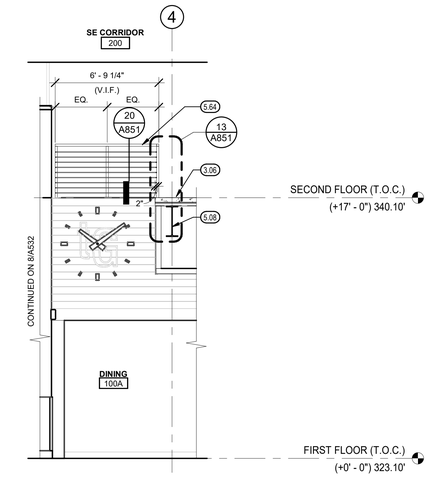
GUARDRAIL AT SE CORRIDOR 2F - NORTH ELEVATION 1/4" = 1'-0" 7

KEYNOTES

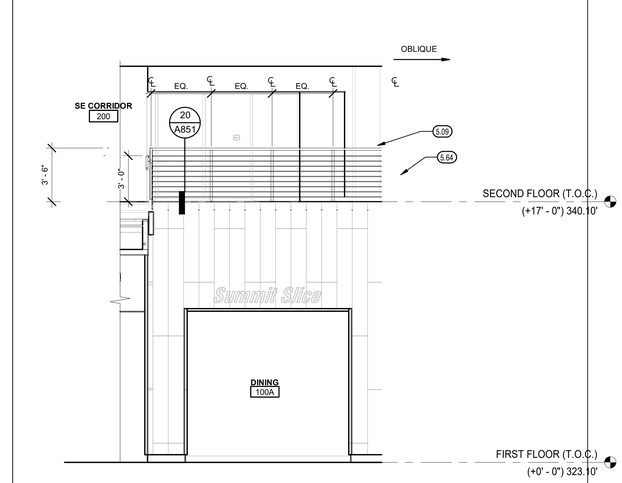
3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.08	STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
5.09	WIDE FLANGE COLUMN, SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
5.53	EXPOSED STAIR STRINGER, TYP. - SEE STRUCTURAL
5.61	HANDRAIL, TYP. SEE **12 / A850**
5.64	GUARDRAIL, TYP. SEE **14 / A850**
9.81	PAINT FINISH TO EXPOSED STEEL
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **17 / A860**
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
23.15	LINEAR DIFFUSER, SEE MECHANICAL



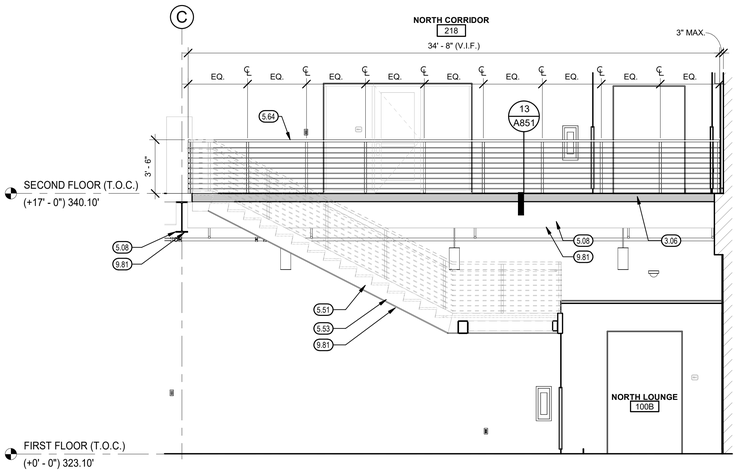
GUARDRAIL AT ASG 2F - SOUTH ELEVATION 1/4" = 1'-0" 23



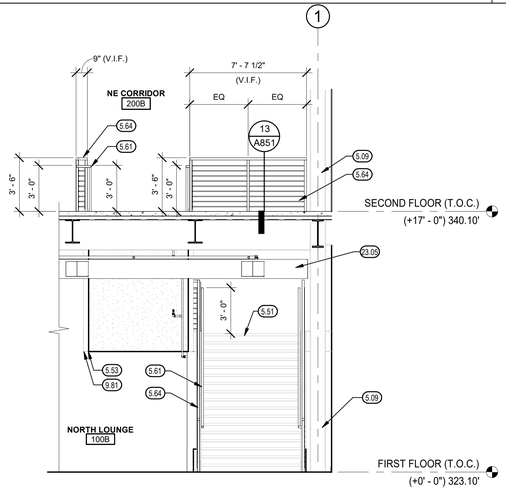
GUARDRAIL AT SE CORRIDOR 2F - WEST ELEVATION 1/4" = 1'-0" 18



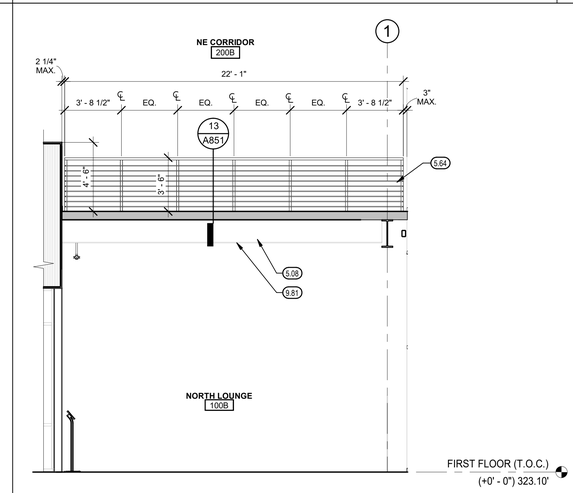
GUARDRAIL AT SE CORRRIDOR 2F - WEST ELEVATION 1/4" = 1'-0" 8



GUARDRAIL GUARDRAIL AT NORTH CORRIDOR 2F - SOUTH ELEVATION 1/4" = 1'-0" 25



GUARDRAIL NE CORRIDOR 2F - WEST ELEVATION 1/4" = 1'-0" 20



GUARDRAIL AT NE CORRIDOR 2F- WEST ELEVATION 1/4" = 1'-0" 10

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DRAWING TITLE
GUARDRAIL ELEVATIONS

PROJECT NO.
22-12499

DRAWING
A532

PLOT DATE: 8/14/2026 11:01:36 AM

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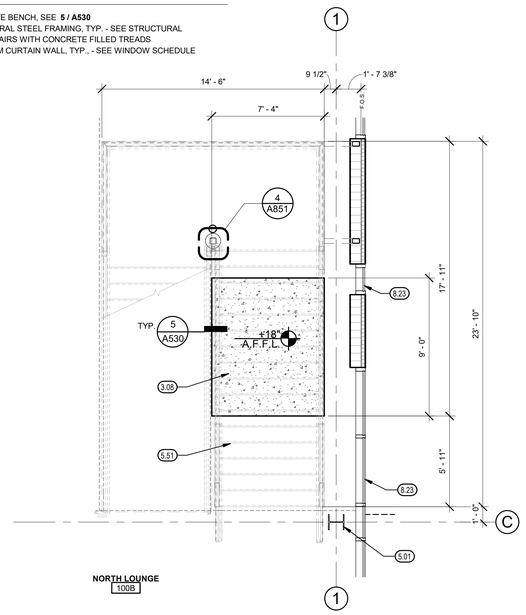
KEYNOTES

3.08	CONCRETE BENCH, SEE **5 / A530**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
8.23	ALUMINUM CURTAIN WALL, TYP., - SEE WINDOW SCHEDULE



NORTH LOUNGE
100B

STAIR 2 - ENLARGED FLOOR PLAN - RAISED SLAB — 1/4" = 1'-0" — 2

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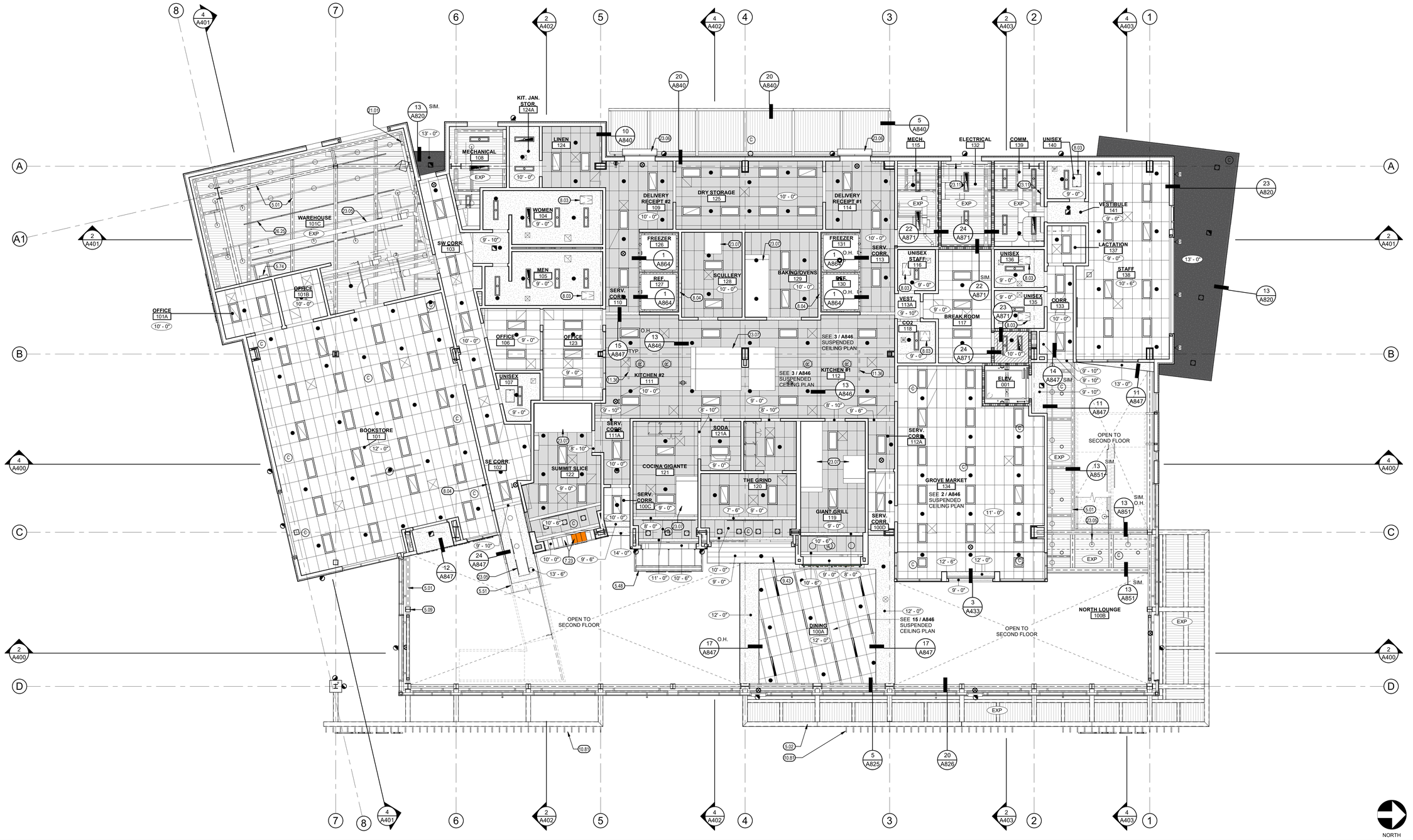
DRAWING TITLE
ENLARGED FLOOR PLANS

PROJECT NO.
22-12499

DRAWING
A533

PLOT DATE: 8/14/2026 11:01:39 AM



FIRST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.02	TUBE STEEL TYP. - SEE STRUCTURAL
5.09	WIDE FLANGE COLUMN, SEE STRUCTURAL
5.48	STEEL CANOPY, PAINT
5.51	STEEL STAIRS WITH CONCRETE FILLED TREADS
5.74	ACCESS LADDER, SEE **23 / A835**
7.23	METAL SOFFIT PANELS
8.03	CEILING ACCESS DOOR, SEE **5 / A847**
8.04	36" X 24" ACCESS DOOR ABOVE CEILING, SEE **4 / A847**
9.43	STAINLESS STEEL METAL CEILING PANELS
10.81	EXTERIOR SUN CONTROL DEVICE, SEE **5 / A830**, **5 / A831**, **5 / A832**
11.36	MONITOR BRACKET, CEILING MOUNTED, SEE **10 / A846**
21.01	FIRE SPRINKLER RISER, SEE FIRE PROTECTION
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
23.06	AIR CURTAIN, SEE MECHANICAL
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
23.11	INDOOR WALL MOUNTED HVAC UNIT, TYP. SEE MECHANICAL
26.25	SUSPENDED STRIP LIGHT FIXTURE, SEE ELECTRICAL

LEGEND

- SUSPENDED ACOUSTIC PANEL CEILING SYS. SEE DETAIL **2 / A845**
- SUSPENDED ACOUSTIC PANEL CEILING SYSTEM WITH PANELS MEETING USDA/FSIS GUIDELINES FOR USE IN FOOD PROCESSING AREAS (ACP-3). SEE DETAIL **2 / A845**
- 5/8" TYPE "X" GYP. BD. OVER METAL CEILING JOISTS. SEE DETAIL **2 / A847**
- EXTERIOR CEMENT PLASTER SOFFIT OVER METAL CEILING JOISTS/FRAMING, SEE STRUCTURAL AND **3 / A847**
- EXPOSED METAL ROOF/FLOOR DECK, PAINT
- EXPOSED ACOUSTIC METAL ROOF/FLOOR DECK, PAINT
- 1HR FIRE RATED CEILING ASSEMBLY, SEE **2 / A847** AND **15 / A873**
- ROOM 101 — ROOM SYMBOL
- 1'-0" — CEILING HEIGHT
- ELECTRICAL LIGHT FIXTURE, SEE ELECTRICAL.
- MECHANICAL GRILLES, SEE MECHANICAL.
- FIRE SPRINKLER, SEE FIRE.

GENERAL NOTES

A. KEYNOTES TO APPLY TO THIS DRAWING ONLY.

B. FOR SUPPORT REQUIREMENTS FOR MECHANICAL AND ELECTRICAL, SEE MECHANICAL AND ELECTRICAL DRAWINGS

C. ALL EXPOSED METAL DECK / STRUCTURAL STEEL TO BE PAINTED, U.N.O.

D. FOR PENETRATIONS OF FIRE RATED ASSEMBLIES, SEE **2 / A870**, **5 / A870** **7 / A870**, **10 / A870**, **12 / A870**, **13 / A871**

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DRAWING TITLE
REFLECTED CEILING PLAN - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A610

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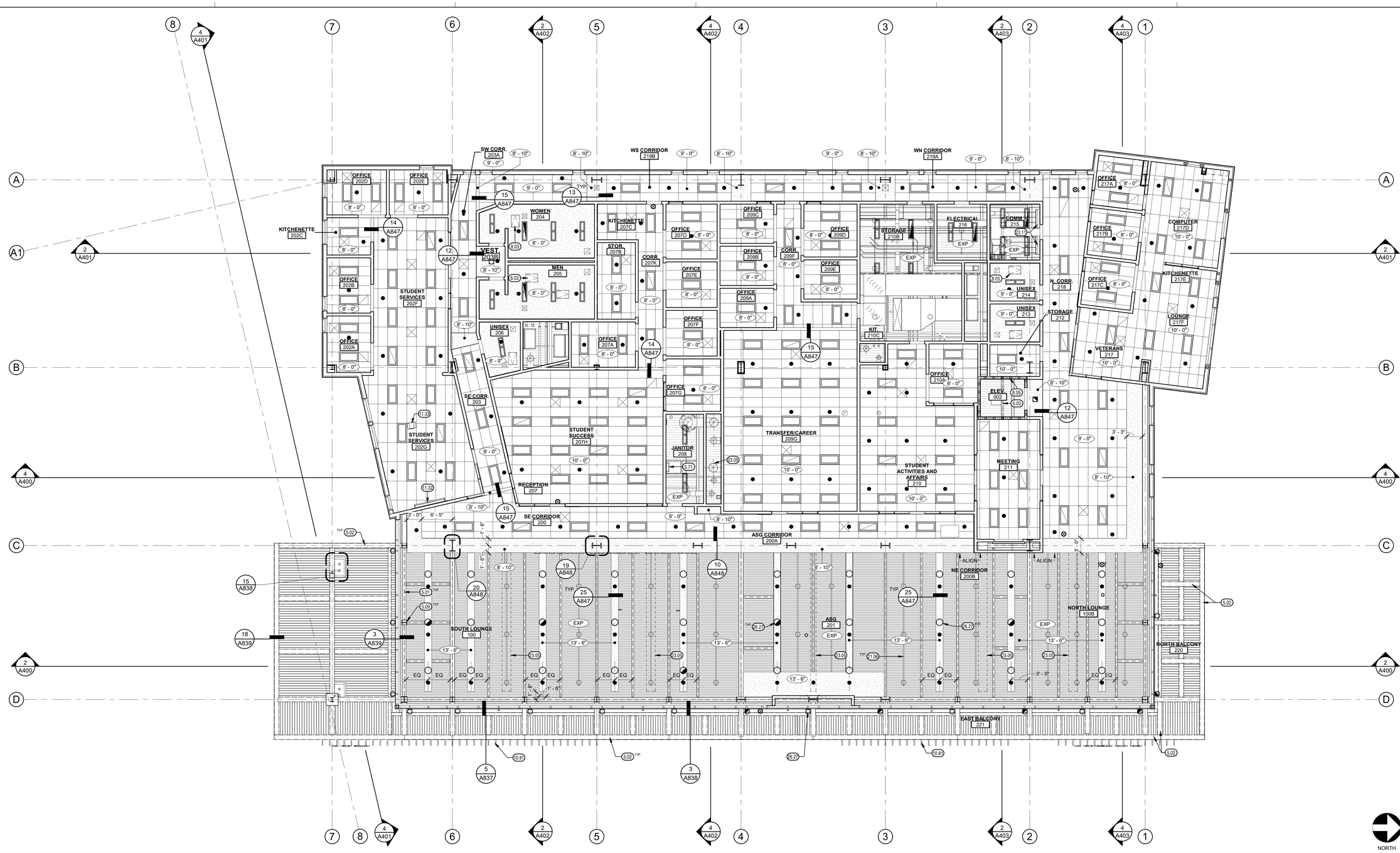

REFLECTED CEILING PLAN - SECOND FLOOR

1/8" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.02	TUBE STEEL TYP. - SEE STRUCTURAL
5.03	ELEVATOR HOIST BEAM, SEE STRUCTURAL.
5.09	WIDE FLANGE COLUMN, SEE STRUCTURAL
5.71	LADDER TO ROOF, SEE **23 / A835**
8.03	CEILING ACCESS DOOR, SEE **5 / A847**
8.05	SMOKE DETECTOR ACCESS DOOR / ENCLOSURE, SEE 21 / A853
10.81	EXTERIOR SUN CONTROL DEVICE, SEE **5 / A830**. **5 / A831**. **5 / A832**
11.32	PROJECTION SCREEN, CEILING MOUNTED, RECESSED
11.33	PROJECTOR MOUNT, CEILING SUPPORTED, SEE **5 / A846**
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
23.11	INDOOR WALL MOUNTED HVAC UNIT, TYP. SEE MECHANICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL

LEGEND

- SUSPENDED ACOUSTIC PANEL CEILING SYS. SEE DETAIL **2 / A845**
- SUSPENDED ACOUSTIC PANEL CEILING SYSTEM WITH PANELS MEETING USDA/FSIS GUIDELINES FOR USE IN FOOD PROCESSING AREAS (ACP-3). SEE DETAIL **2 / A845**
- 5/8" TYPE "X" GYP. BD. OVER METAL CEILING JOISTS. SEE DETAIL **2 / A847**
- EXTERIOR CEMENT PLASTER SOFFIT OVER METAL CEILING JOISTS/FRAMING, SEE STRUCTURAL AND **3 / A847**
- EXPOSED METAL ROOF/FLOOR DECK, PAINT
- EXPOSED ACOUSTIC METAL ROOF/FLOOR DECK, PAINT
- 1HR FIRE RATED CEILING ASSEMBLY, SEE **2 / A847** AND **15 / A873**
- ROOM SYMBOL (ROOM 101)
- CEILING HEIGHT (1'-0")
- ELECTRICAL LIGHT FIXTURE, SEE ELECTRICAL.
- MECHANICAL GRILLES, SEE MECHANICAL.
- FIRE SPRINKLER, SEE FIRE.

GENERAL NOTES

A. KEYNOTES TO APPLY TO THIS DRAWING ONLY.

B. FOR SUPPORT REQUIREMENTS FOR MECHANICAL AND ELECTRICAL, SEE MECHANICAL AND ELECTRICAL DRAWINGS

C. ALL EXPOSED METAL DECK / STRUCTURAL STEEL TO BE PAINTED, U.N.O.

D. FOR PENETRATIONS OF FIRE RATED ASSEMBLIES, SEE **2 / A870**, **5 / A870** **7 / A870**, **10 / A870**, **12 / A870**, **13 / A871**

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DRAWING TITLE
REFLECTED CEILING PLAN - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A620

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GENERAL NOTES

DOORS AND GATES SHALL COMPLY WITH CBC SECTIONS 1010 AND 11B-404, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. SIZE: DOOR OPENINGS SHALL HAVE A MINIMUM OPENING CLEAR WIDTH OF 32" MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. EGRESS DOORS USED FOR THE MOVEMENT OF BEDS AND STRETCHER PATIENTS SHALL PROVIDE A MINIMUM CLEAR OPENING WIDTH OF 44". THE CLEAR OPENING HEIGHT OF DOORS SHALL BE NOT LESS THAN 80". THE MAXIMUM DOOR LEAF WIDTH SHALL BE 48" (CBC 1010.1.1 AND 11B-404.2.3).
2. FORCE TO UNLATCH HARDWARE: THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS MAXIMUM (CBC 1010.1.3, 11B-404.2.7 AND 11B-309.4).
3. FORCE TO OPEN DOORS: THE FORCE REQUIRED TO PUSH OR PULL OPEN NON-FIRE RATED SWINGING, SLIDING, OR FOLDING DOORS SHALL NOT EXCEED 5 LBS; THE FORCE REQUIRED TO PUSH OR PULL OPEN A FIRE RATED SWINGING DOOR SHALL NOT EXCEED 15 LBS (CBC 1010.1.3 AND 11B-404.2.9).
4. THRESHOLDS: THRESHOLDS SHALL NOT EXCEED 1/2 INCH IN HEIGHT ABOVE THE LOWEST ADJACENT FINISHED FLOOR OR LANDING SURFACE; CHANGES IN ELEVATION GREATER THAN 1/4" SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 2:1 HORIZONTAL TO VERTICAL (CBC 1010.1.6, 11B-404.2.5 AND 11B-303).
5. DOOR OPERATION: EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT (CBC 1010.2).
6. UNLATCHING: THE UNLATCHING OF ANY DOOR OR LEAF FOR EGRESS SHALL NOT REQUIRE MORE THAN ONE MOTION IN A SINGLE LINEAR OR ROTATIONAL DIRECTION TO RELEASE ALL LATCHING AND ALL LOCKING DEVICES (CBC 1010.2.1).
7. HARDWARE: HAND ACTIVATED DOOR OPERATING HARDWARE SHALL BE LEVER HANDLED OR PULLS THAT ARE EASY TO GRASP WITH ONE HAND AND DO NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVERS, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON REQUIRED MEANS OF EGRESS DOORS SHALL COMPLY WITH SFM STANDARD 12-10-2, SECTION 12-10-202 CONTAINED IN THE CCR, TITLE 24, PART 12, CALIFORNIA REFERENCED STANDARDS CODE (CBC 1010.2.2 AND 11B-404.2.7).
8. HARDWARE HEIGHT: OPERATING HARDWARE SHALL BE MOUNTED 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISHED FLOOR LEVEL. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT. (CBC 1010.2.3 & 11B-404.2.7).
9. BOLT LOCKS: MANUALLY OPERATED SURFACE OR FLUSH BOLTS ARE NOT PERMITTED EXCEPT FOR THE INACTIVE LEAF OF PAIRS OF DOORS SERVING STORAGE OR EQUIPMENT ROOMS, OR SERVING B, F OR S OCCUPANCIES HAVING AN OCCUPANT LOAD OF LESS THAN 50 OCCUPANTS (CBC 1010.2.5).
10. PANIC HARDWARE: SWINGING DOORS SERVING A GROUP 'H' OCCUPANCY OR SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP 'A' OR 'E' OCCUPANCY SHALL BE PROVIDED WITH PANIC OR FIRE EXIT HARDWARE (CBC 1010.2.9).
11. ELECTRICAL EQUIPMENT ROOMS: EXIT OR EXIT ACCESS DOORS SERVING TRANSFORMER VAULTS, ROOMS DESIGNATED FOR BATTERIES OR ENERGY STORAGE SYSTEMS, OR MODULAR DATA CENTERS SHALL BE EQUIPPED WITH PANIC HARDWARE. ROOMS CONTAINING ELECTRICAL EQUIPMENT RATED AT 800 AMPERES OR MORE THAT CONTAIN OVERCURRENT DEVICES, SWITCHING DEVICES OR CONTROL DEVICES AND WHERE THE EXIT OR EXIT ACCESS DOOR IS LESS THAN 25' FROM THE EQUIPMENT WORKING SPACE AS REQUIRED BY NFPA 70, SUCH DOORS SHALL BE PROVIDED WITH PANIC HARDWARE AND THE DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL (CBC 1010.2.9.2).
12. DOOR CLOSERS: IF A DOOR HAS A CLOSER, THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM (CBC 11B-404.2.8.1). CLOSERS SHALL BE ADJUSTED SO THAT THE FORCE REQUIRED TO PUSH OR PULL OPEN A DOOR SHALL NOT EXCEED 5 LBS. FOR INTERIOR AND EXTERIOR DOORS AND NOT MORE THAN 15 LBS. FOR REQUIRED FIRE RATED DOORS. (CBC 11B-404.2.9).
13. DOOR SURFACE: SWINGING DOOR SURFACES WITHIN 10" OF THE FLOOR SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. JOINTS IN THE DOOR SURFACE SHALL NOT EXCEED 1/16" OFFSET. SURFACES SHALL BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED (CBC 11B-404.2.10).
14. VISION LIGHTS: VISION LITES IN DOORS SHALL HAVE THE BOTTOM EDGE OF VISIBLE GLASS 43" MAXIMUM ABOVE THE FLOOR (CBC 11B-404.2.11).
15. SAFETY GLAZING: GLAZING IN DOORS SHALL BE TEMPERED SAFETY GLASS OR OTHER APPROVED SAFETY GLAZING MATERIAL. SAFETY GLAZING SHALL BE PERMANENTLY IDENTIFIED (CBC 2406.1, 2406.3 AND 2406.4.1).
16. FIRE RATED ASSEMBLIES: FIRE RATED DOOR/FRAME ASSEMBLIES SHALL BE SELF CLOSING AND POSITIVE LATCHING (CBC 716.2.6.1, 716.2.6.2 AND 716.2.6.4). FIRE RATED DOOR/FRAME ASSEMBLIES SHALL BE LABELED BY AN APPROVED AGENCY AND HAVE LABELS COMPLYING WITH NFPA 80 PERMANENTLY AFFIXED TO THE DOOR AND FRAME (CBC 716.2.9.1). FIRE RATED DOOR FRAME ASSEMBLIES SHALL BE PROVIDED WITH SMOKE SEALS. REFER TO DOOR HARDWARE SETS.
17. ALL DOORS SHALL BE 1-3/4" THICK UNLESS NOTED OTHERWISE.
18. REFER TO INTERIOR FINISH SCHEDULE FOR COLOR/GLOSS/ PATTERN FOR PAINTED DOOR AND FRAME FINISHES.
19. WHERE NEW DOORS ARE TO BE INSTALLED IN EXISTING DOOR FRAMES, THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE EXISTING DOOR OPENING AND CONFIRM THE SIZE OF NEW DOORS.
20. INTRUDER LOCKING: LOCKS DESIGNED TO PREVENT INTRUDERS FROM ENTERING SHALL BE CAPABLE OF BEING UNLOCKED FROM THE OUTSIDE WITH A KEY, SHALL BE OPENABLE FROM WITHIN THE ROOM, AND MODIFICATIONS SHALL NOT BE MADE TO FIRE OR PANIC HARDWARE, AND/OR FIRE RATED DOOR ASSEMBLIES (CBC 1010.2.8).

ABBREVIATIONS

AL	ALUMINUM	SC	SOLID CORE WOOD
CW	CURTAIN WALL	SF	STOREFRONT, ALUMINUM
FF	FACTORY FINISH	SS	STAINLESS STEEL
GS	GALVANIZED STEEL	TG	TEMPERED GLASS
HM	HOLLOW METAL	TIG	TEMPERED INSULATED GLASS
IC	INSULATED CORE	WD	WOOD
KTD	KITCHEN TRAFFIC DOOR		
P	PAINT		

REMARKS

A. DOOR IS NOT TO HAVE A THUMB TURN CYLINDER LOCK. CONTRACTOR AND/OR SUB CONTRACTOR TO COORDINATE WITH MANUFACTURER WITH PANIC FUNCTION OPTIONS USING BREAKAWAY DOORS AND SHALL BE REVIEWED FOR ACCEPTANCE THROUGH SHOP DRAWINGS SUBMITTAL.

B. DOOR ASSEMBLY HAS (2) SWING BREAKAWAY DOORS, EGRESS CLEAR WIDTH IS 79 3/4".

C. ACCESS CONTROLLED DOOR, SEE ELECTRICAL DRAWINGS. COORDINATE ROUTING OF CONDUIT AND WIRING.

D. NO LATCH, CLOSER ONLY. PUSH/PULL OPERATION

E. DOOR OPENING OCCURS IN CURTAIN WALL/STOREFRONT FRAMING, REFER TO WINDOW SCHEDULE FOR FRAMING CONFIGURATION.

F. PANIC HARDWARE REQUIRED.

G. SLIDING DOORS SHALL HAVE STRAIGHT PULL HANDLES AND SHALL NOT REQUIRE MORE THAN 5 LBS OF FORCE TO OPERATE.

H. SEE SPECIFICATION SECTION 083819 TRAFFIC DOORS

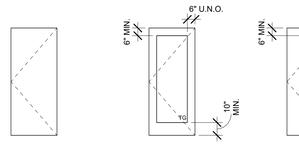
DOOR SCHEDULE - 1st FLOOR

MARK	DOOR WIDTH	DOOR HEIGHT	DOOR TYPE	DOOR MATL	DOOR FINISH	FRAME TYPE	FRAME FINISH	ASSEMBLY FIRE RATING (MINUTES)	HARDWARE GROUP	GLAZING TYPE	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	REMARKS
100A	13' - 6"	7' - 8"	ASL	AL	FF	CW-A	FF		32.0	TIG	4 / A811	2 / A811	5 / A811	A, B, C, E
100B	3' - 0"	8' - 0"	FG	AL	FF	CW-B	FF		1.0	TIG	12 / A811	13 / A811	15 / A811	E, F, C
100C	3' - 0"	8' - 0"	FG	AL	FF	CW-B	FF		1.0	TIG	12 / A811	13 / A811	15 / A811	E, F, C
100D	13' - 6"	7' - 8"	ASL	AL	FF	CW-C	FF		32.0	TIG	4 / A811	2 / A811	5 / A811	A, B, C, E
101A	7' - 0"	8' - 0"	FG	AL	FF	SF	FF		10.0	TG	12 / A814	15 / A861		E, F, C
101AA	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
101B	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		11.0		1 / A814	2 / A814		C
101BA	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
101CA	3' - 0"	7' - 0"	F	HM	P	HM-1C	P		8.0		1 / A813	2 / A813	3 / A813	C
101CB	10' - 0"	14' - 0"	OH	AL	FF		FF		30.0		22 / A811	23 / A811	22 / A811	
101CD	6' - 0"	7' - 0"	F	HM	P	HM-2A	P		22.0		1 / A814	2 / A814		C
103A	3' - 0"	7' - 0"	N1	HM	P	HM-1B	P		4.0	TIG	1 / A813	2 / A813	3 / A813	C, F
104A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		29.0		1 / A814	2 / A814		
105A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		29.0		1 / A814	2 / A814		
106A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		13.0		1 / A814	2 / A814		C
107A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		27.0		1 / A814	2 / A814		
108A	6' - 0"	7' - 0"	F	HM	P	HM-2B	P		6.0		1 / A813	2 / A813	3 / A813	C
109A	6' - 0"	8' - 6"	F	HM	P	HM-2B	P		7.0		1 / A813	2 / A813	3 / A813	C
111A	3' - 6"	7' - 0"	G	HM	P	HM-1A	P		12.0	TG	1 / A814	2 / A814		C
112A	3' - 6"	7' - 0"	G	HM	P	HM-1A	P		12.0	TG	1 / A814	2 / A814		C
114A	6' - 0"	8' - 6"	F	HM	P	HM-2B	P		7.0		1 / A813	2 / A813	3 / A813	C
115A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		15.0		1 / A814	2 / A814		C
116A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		27.0		1 / A814	2 / A814		
117A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		24.0		1 / A814	2 / A814		C
117B	3' - 0"	7' - 0"	F	HM	P	HM-1A	P	60	16.0		1 / A814	2 / A814		C
120A	3' - 6"	7' - 0"	KTD	SS/WD	FF	KTD-1	FF		30.0		17 / A814 SIM.	17 / A814		H
123A	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		18.0	TG	1 / A814	2 / A814		C
123B	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		18.0	TG	1 / A814	2 / A814		C
124A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		21.0		1 / A814	2 / A814		C
125A	6' - 0"	7' - 0"	F	HM	P	HM-2A	P		20.0		1 / A814	2 / A814		C
125B	6' - 0"	7' - 0"	F	HM	P	HM-2A	P		20.0		1 / A814	2 / A814		C
132A	6' - 0"	7' - 0"	F	HM	P	HM-2B	P		5.0		1 / A813	2 / A813	3 / A813	C, F
134A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		12.0		1 / A814	2 / A814		C
134B	3' - 6"	7' - 0"	F	HM	P	HM-1A	P		26.0		1 / A814	2 / A814		C
135A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		27.0		1 / A814	2 / A814		
136A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		27.0		1 / A814	2 / A814		
137A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		27.0		1 / A814	2 / A814		
138A	3' - 0"	7' - 0"	F	AL	FF	SF-Q	FF		9.0		12 / A814	13 / A814		C, E
138B	3' - 0"	8' - 0"	FG	AL	FF	SF-F	FF		9.0	TIG	1 / A813	2 / A813	3 / A813	E, F, C
138C	20' - 0"	10' - 0"	SL	AL	FF	AL	FF		30.0	TIG	17 / A813	18 / A813	19 / A813	G
139A	3' - 0"	7' - 0"	F	HM	FF	HM-1A	FF		12.0		1 / A814	2 / A814		C
140A	3' - 0"	7' - 0"	F	HM	FF	HM-1A	FF		27.0		1 / A814	2 / A814		
SG119	12' - 10 3/4"	10' - 6"	ORG	AL	FF	-	-		30.0		7 / A431	4 / A431		
SG120	17' - 3 3/4"	10' - 0"	ORG	AL	FF	-	-		30.0		3 / A428	10 / A425, 5 / A428		
SG121	12' - 5 3/4"	11' - 0"	ORG	AL	FF	-	-		30.0		8 / A425	20 / A425, 10 / A426		
SG122	13' - 6 1/4"	10' - 6"	ORG	AL	FF	-	-		30.0		11 / A423	15 / A423, 10 / A423		
SG134	9' - 10 3/4"	12' - 0"	ORG	AL	FF	-	-		30.0		3 / A433	5 / A433		

DOOR SCHEDULE - 2nd FLOOR

MARK	DOOR WIDTH	DOOR HEIGHT	DOOR TYPE	DOOR MATL	DOOR FINISH	FRAME TYPE	FRAME FINISH	ASSEMBLY FIRE RATING (MINUTES)	HARDWARE GROUP	GLAZING TYPE	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	REMARKS
200A	6' - 0"	8' - 0"	FG	AL	FF	CW-C	FF		2.0	TIG	12 / A811	13 / A811	3 / A827	C, E, F
201A	3' - 0"	8' - 0"	FG	AL	FF	CW-B	FF		3.0	TIG	12 / A811	13 / A811	3 / A827	E, C, F
202A	3' - 0"	7' - 0"	F	SC	FF	SF-AC	FF		12.0		11 / A814	14 / A814		C, E
202AA	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
202B	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
202D	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
202E	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
202F	3' - 0"	7' - 0"	F	SC	FF	SF-AE	FF		12.0		11 / A814	13 / A814		C, E
204A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		29.0		1 / A814	2 / A814		
205A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		29.0		1 / A814	2 / A814		
206A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		28.0		1 / A814	2 / A814		
207A	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
207B	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		14.0		1 / A814	2 / A814		C
207D	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
207E	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
207F	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
207G	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
207H	3' - 0"	7' - 0"	F	SC	FF	SF-AG	FF		12.0		11 / A814	13 / A814		C, E
207K	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		12.0	TG	1 / A814	2 / A814		C
208A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		15.0		1 / A814	2 / A814		C
209A	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
209B	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
209C	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
209D	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
209E	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
209F	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		12.0	TG	1 / A814	2 / A814		C, F
209G	3' - 0"	7' - 0"	F	SC	FF	SF-AJ	FF		12.0		11 / A814	13 / A814		C, E, F
210A	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		13.0	TG	1 / A814	2 / A814		C
210BA	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		12.0		1 / A814	2 / A814		C
210BB	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		12.0		1 / A814	2 / A814		C
210BC	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		12.0		1 / A814	2 / A814		C
210F	3' - 0"	7' - 0"	F	SC	FF	SF-AC	FF		12.0		11 / A814	14 / A814		C, E
211A	3' - 0"	7' - 0"	F	SC	FF	SF-AL	FF		25.0		11 / A814	14 / A814		E, C
211B	3' - 0"	7' - 0"	F	SC	FF	SF-AL	FF		25.0		11 / A814	14 / A814		C, E
212A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		14.0		1 / A814	2 / A814		D, C
213A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		27.0		1 / A814	2 / A814		
214A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		27.0		1 / A814	2 / A814		
215A	3' - 0"	7' - 0"	F	HM	P	HM-1A	P		12.0		1 / A814	2 / A814		C
216A	3' - 0"	7' - 0"	L	HM	P	HM-1A	P		15.0		1 / A814	2 / A814		C
217A	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
217B	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
217C	3' - 0"	7' - 0"	N1	HM	P	HM-1A	P		17.0	TG	1 / A814	2 / A814		C
217D	3' - 0"	7' - 0"	F	SC	FF	SF-AM	FF		12.0		11 / A814	14 / A814		C, E

DOOR TYPES



F
FLUSH

FG
FULL GLASS

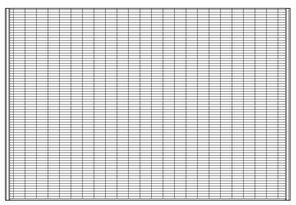
N1
NARROW
VISION PANEL

G
GLASS,
1 PANEL

KTD
1 PANEL

L
LOUVER

OH
OVERHEAD
COILING DOOR

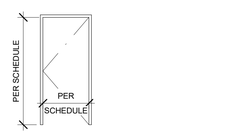


ORG
OVERHEAD
ROLLING GRILLE

ASL
AUTOMATIC SLIDING DOOR PACKAGE
WITH BREAKAWAY PANELS
REFER TO WINDOW ELEVATIONS

SL
SLIDING DOOR
6 PANEL
RECESSED FLOOR TRACK

DOOR FRAME TYPES



HM-1A
HOLLOW METAL
INTERIOR
SINGLE DOOR
SINGLE SWING
FRAME PROFILE 'A'

HM-1B
HOLLOW METAL
EXTERIOR
SINGLE DOOR
SINGLE SWING
FRAME PROFILE 'B'

HM-1C
HOLLOW METAL
EXTERIOR
SINGLE DOOR
SINGLE SWING
FRAME PROFILE 'C'

KD-1A
KNOCK DOWN METAL
INTERIOR
SINGLE DOOR
SINGLE SWING
FRAME PROFILE 'A'

KTD-1
HOLLOW METAL
INTERIOR
SINGLE DOOR
DOUBLE SWING

HM-2A
HOLLOW METAL
INTERIOR
PAIR OF DOORS
SINGLE SWING
FRAME PROFILE 'A'

HM-2B
HOLLOW METAL
EXTERIOR
PAIR OF DOORS
SINGLE SWING
FRAME PROFILE 'B'

HOLLOW METAL FRAME PROFILES

A
INTERIOR HOLLOW METAL
DOOR FRAME PROFILE

B
EXTERIOR HOLLOW METAL
DOOR FRAME PROFILE WITH
EXTERIOR FLANGE

C
EXTERIOR HOLLOW METAL
DOUBLE EGRESS FRAME
PROFILE FOR DEEP WALLS
WITH EXTERIOR FLANGE

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONSULTANTS
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
DOOR SCHEDULES

PROJECT NO.
22-12499

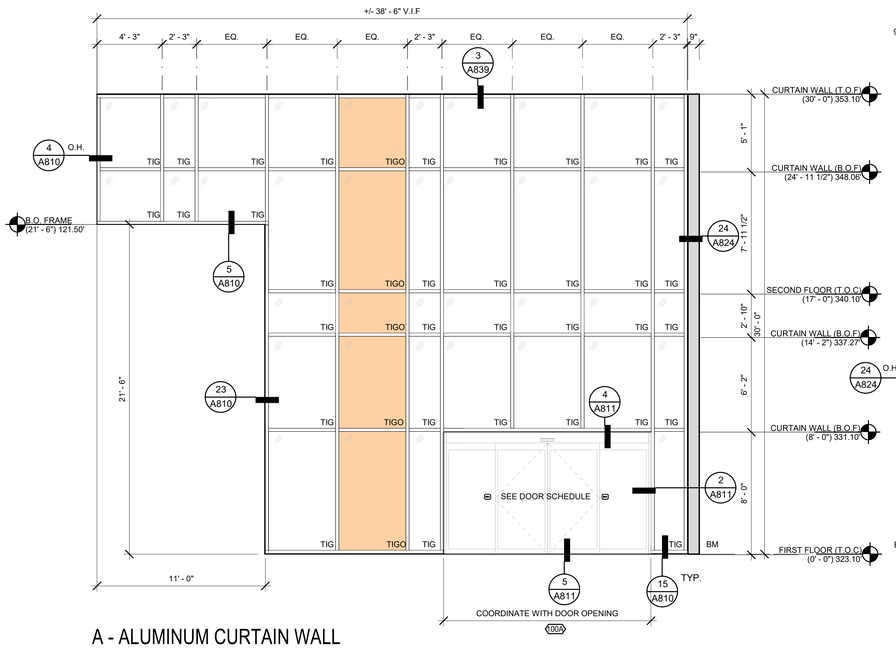
DRAWING
A700

PLOT DATE: 8/14/2026 11:02:05 AM

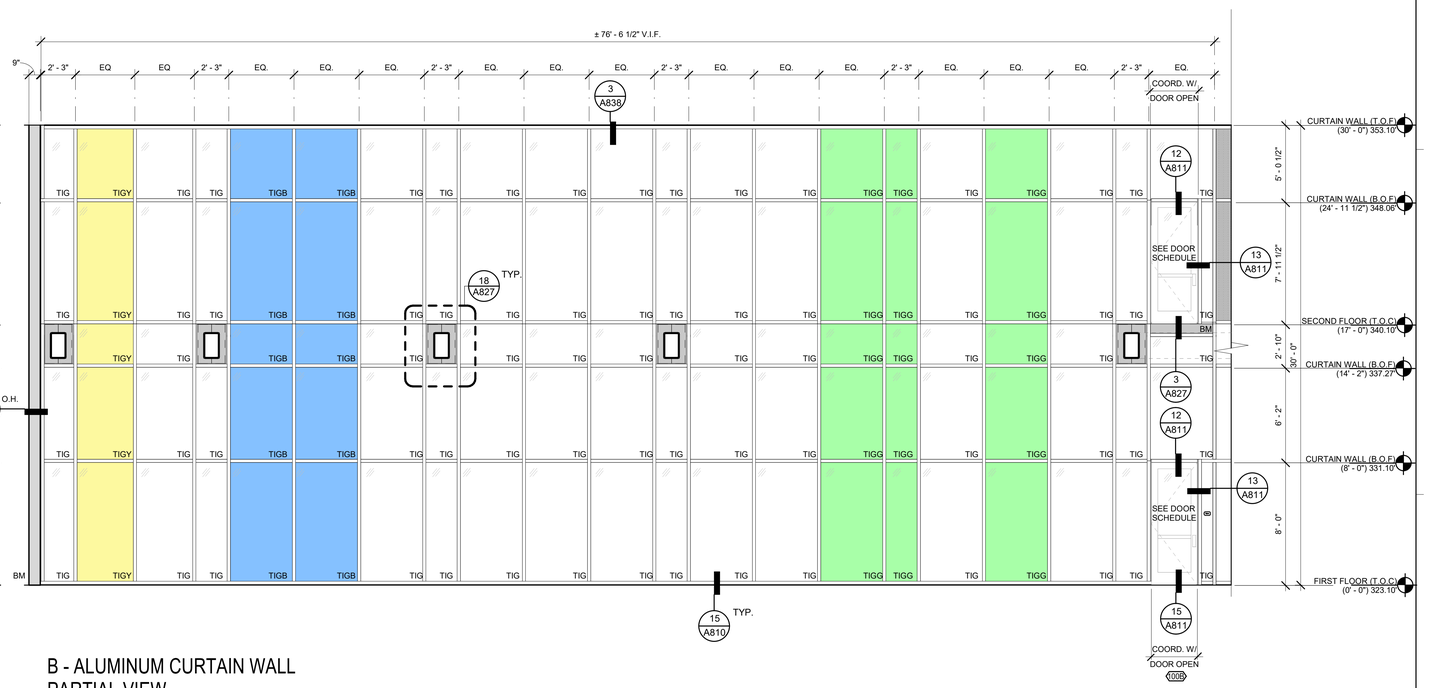
NOTE: CURTAIN WALL AND STOREFRONT SYSTEMS ARE DEFERRED SUBMITTALS AND PROVIDED FOR REFERENCE ONLY.

ABBREVIATIONS

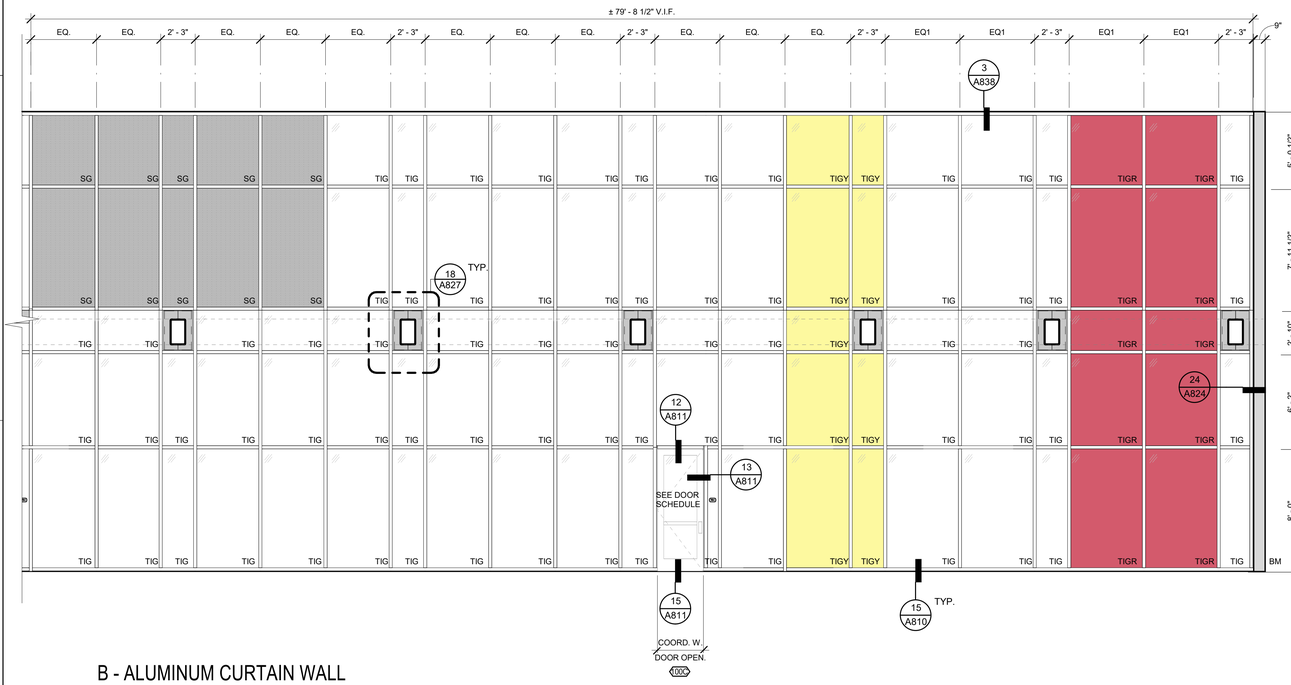
BM	BRAKE METAL	SG	INSULATED SPANDREL GLASS	TIGG	TEMPERED INSULATED GLASS, GREEN	TIGY	TEMPERED INSULATED GLASS, YELLOW
FTG	FROSTED TEMPERED GLASS	TG	TEMPERED GLASS, CLEAR	TIGO	TEMPERED INSULATED GLASS, ORANGE	FTIG	FROSTED TEMPERED INSULATED GLASS
G	GLASS, CLEAR	TIG	TEMPERED INSULATED GLASS, CLEAR	TIGP	TEMPERED INSULATED GLASS, PURPLE	TSG	TEMPERED SPANDREL GLASS
IG	INSULATED GLASS, CLEAR	TIGB	TEMPERED INSULATED GLASS, BLUE	TIGR	TEMPERED INSULATED GLASS, RED		



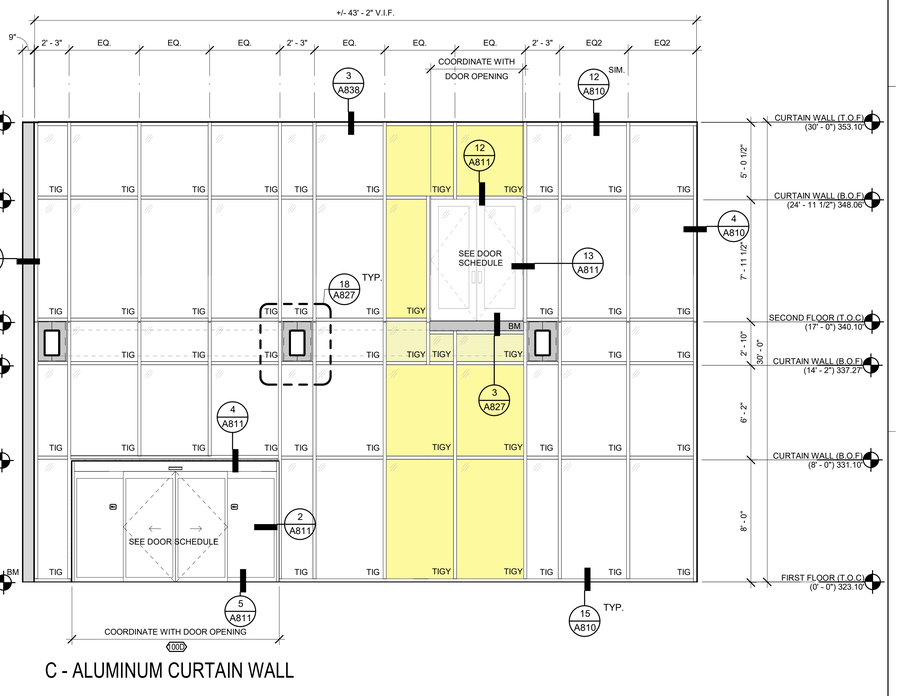
A - ALUMINUM CURTAIN WALL



B - ALUMINUM CURTAIN WALL
PARTIAL VIEW



B - ALUMINUM CURTAIN WALL
PARTIAL VIEW



C - ALUMINUM CURTAIN WALL

MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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TETER, INC.
FRESNO HEADQUARTERS
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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WINDOW SCHEDULE

PROJECT NO.
22-12499

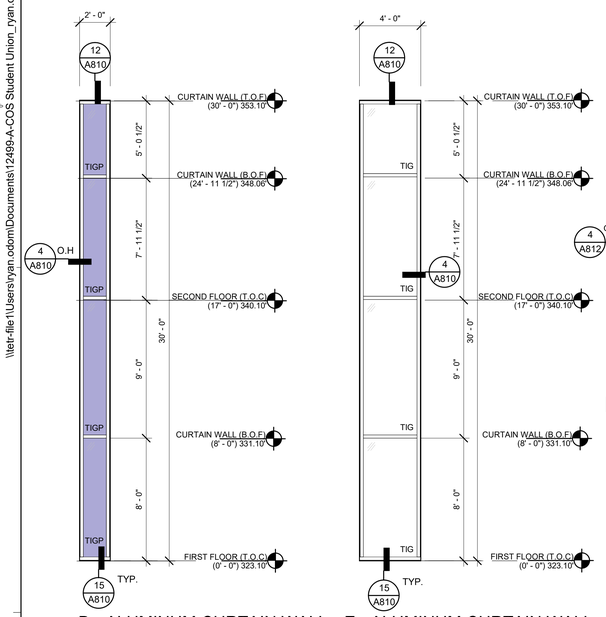
DRAWING
A701

PLOT DATE: 8/14/2026 11:02:13 AM
\\tetr-file1\Users\ryan.odom\Documents\12499-A-COS Student Union_ryan.odomNLB27.rvt

NOTE: CURTAIN WALL AND STOREFRONT SYSTEMS ARE DEFERRED SUBMITTALS AND PROVIDED FOR REFERENCE ONLY.

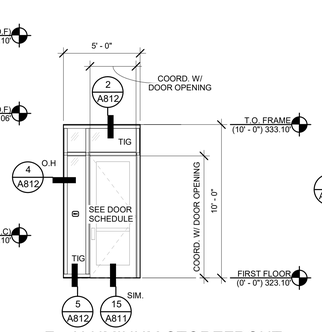
ABBREVIATIONS

BM	BRAKE METAL	SG	INSULATED SPANDREL GLASS	TIGG	TEMPERED INSULATED GLASS, GREEN	TIGY	TEMPERED INSULATED GLASS, YELLOW
FTG	FROSTED TEMPERED GLASS	TG	TEMPERED GLASS, CLEAR	TIGO	TEMPERED INSULATED GLASS, ORANGE	FTIG	FROSTED TEMPERED INSULATED GLASS
G	GLASS, CLEAR	TIG	TEMPERED INSULATED GLASS, CLEAR	TIGP	TEMPERED INSULATED GLASS, PURPLE	TSG	TEMPERED SPANDREL GLASS
IG	INSULATED GLASS, CLEAR	TIGB	TEMPERED INSULATED GLASS, BLUE	TIGR	TEMPERED INSULATED GLASS, RED		

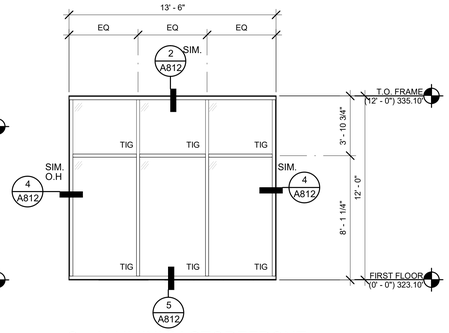


D - ALUMINUM CURTAIN WALL

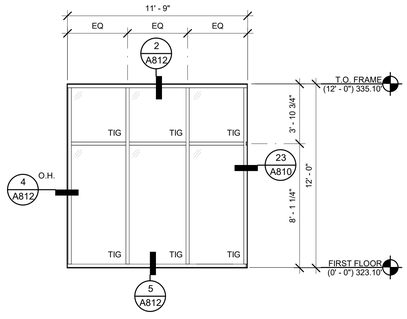
E - ALUMINUM CURTAIN WALL



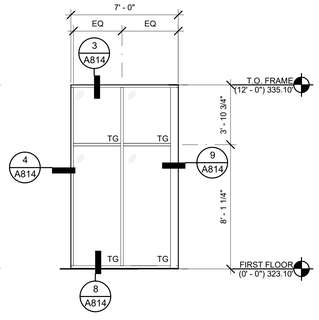
F - ALUMINUM STOREFRONT



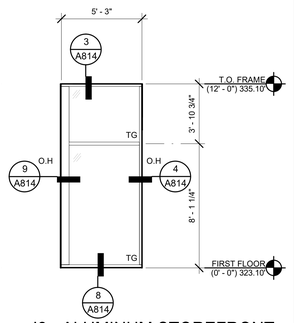
G - ALUMINUM STOREFRONT



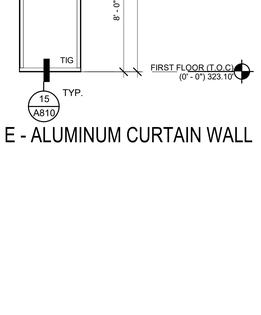
H - ALUMINUM STOREFRONT



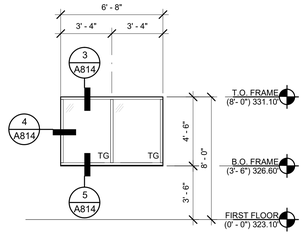
J1 - ALUMINUM STOREFRONT



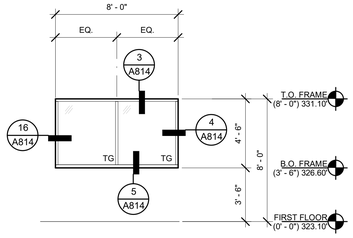
J2 - ALUMINUM STOREFRONT



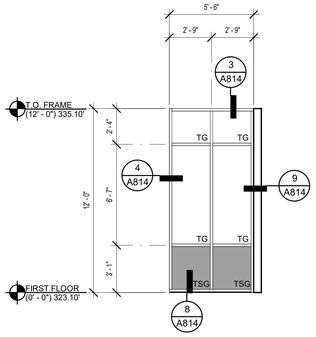
K1 - ALUMINUM STOREFRONT
(INTERIOR)



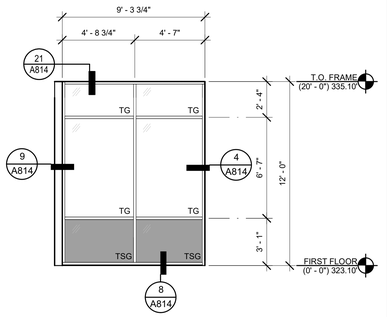
K2 - ALUMINUM STOREFRONT
(INTERIOR)



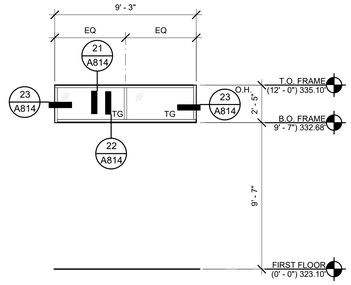
L - ALUMINUM STOREFRONT
(INTERIOR)



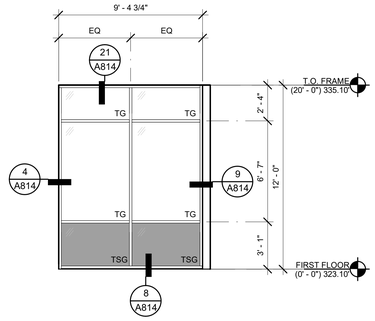
M1 - ALUMINUM STOREFRONT
(INTERIOR)



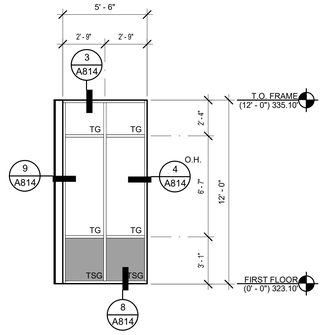
M2 - ALUMINUM STOREFRONT



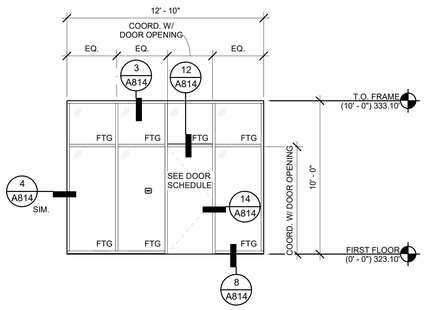
N - ALUMINUM STOREFRONT
(INTERIOR)



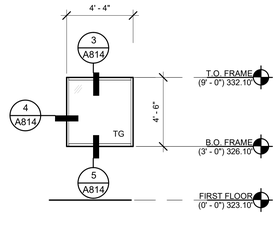
P1 - ALUMINUM STOREFRONT
(INTERIOR)



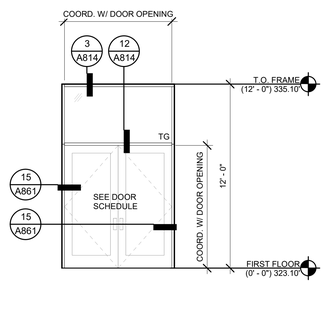
P2 - ALUMINUM STOREFRONT
(INTERIOR)



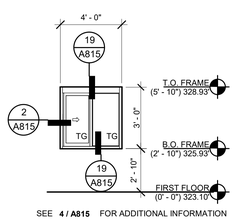
Q - ALUMINUM STOREFRONT
(INTERIOR)



R - ALUMINUM STOREFRONT
(INTERIOR)

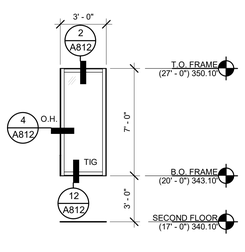


S - ALUMINUM STOREFRONT
(INTERIOR)



SEE **4 / A815** FOR ADDITIONAL INFORMATION

T - SERVICE WINDOW



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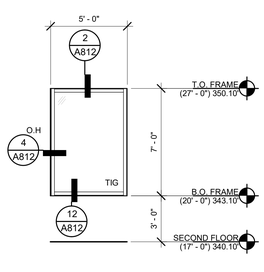
U - ALUMINUM STOREFRONT



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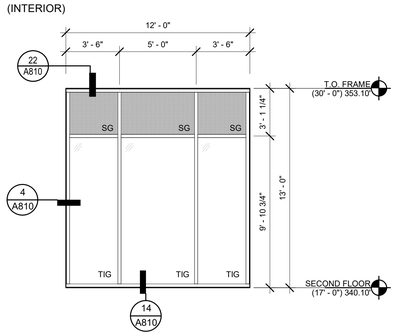
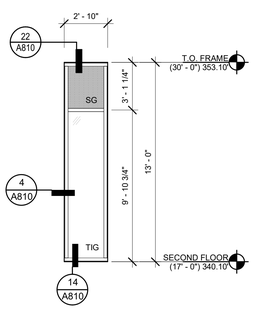
V - ALUMINUM STOREFRONT

W - ALUMINUM STOREFRONT

NOT USED



X - ALUMINUM CURTAIN WALL



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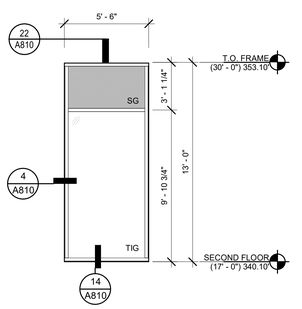

Z - ALUMINUM CURTAIN WALL

\\tetr-file1\Users\ryan.odom\Documents\12499-A-COS Student Union_ryan.odomNLB27.rvt

PLOT DATE: 8/14/2026 11:02:39 AM

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WINDOW SCHEDULE

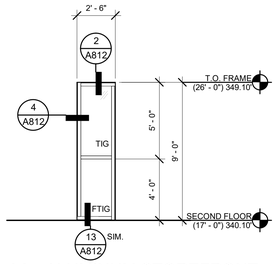
PROJECT NO.
22-12499

DRAWING
A702

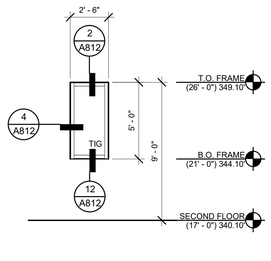
NOTE: CURTAIN WALL AND STOREFRONT SYSTEMS ARE DEFERRED SUBMITTALS AND PROVIDED FOR REFERENCE ONLY.

ABBREVIATIONS

BM	BRAKE METAL	SG	INSULATED SPANDREL GLASS	TIGG	TEMPERED INSULATED GLASS, GREEN	TIGY	TEMPERED INSULATED GLASS, YELLOW
FTG	FROSTED TEMPERED GLASS	TG	TEMPERED GLASS, CLEAR	TIGO	TEMPERED INSULATED GLASS, ORANGE	FTIG	FROSTED TEMPERED INSULATED GLASS
G	GLASS, CLEAR	TIG	TEMPERED INSULATED GLASS, CLEAR	TIGP	TEMPERED INSULATED GLASS, PURPLE	TSG	TEMPERED SPANDREL GLASS
IG	INSULATED GLASS, CLEAR	TIGB	TEMPERED INSULATED GLASS, BLUE	TIGR	TEMPERED INSULATED GLASS, RED		



AA - ALUMINUM STOREFRONT
(EXTERIOR)



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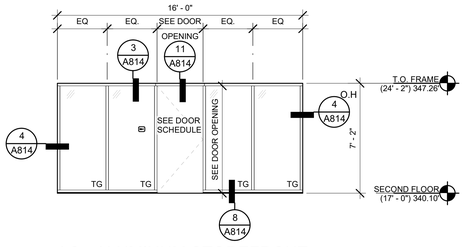
(EXTERIOR)



AC - ALUMINUM STOREFRONT
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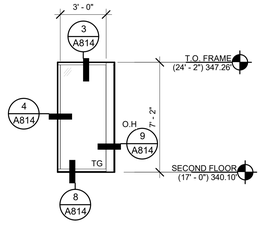

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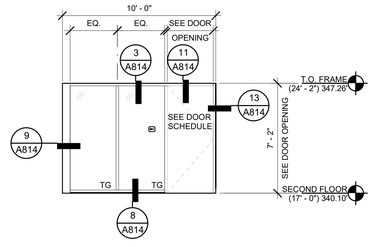
(INTERIOR)



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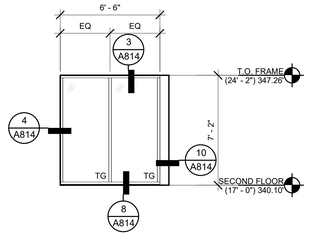

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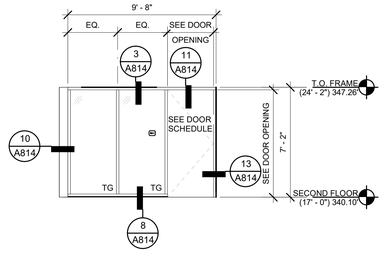

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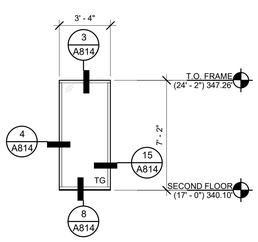
(INTERIOR)



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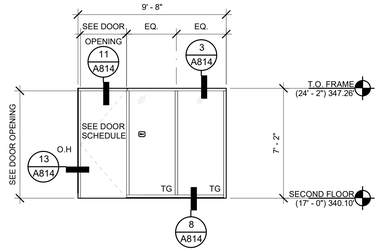
(INTERIOR)



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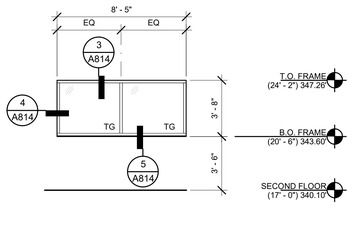

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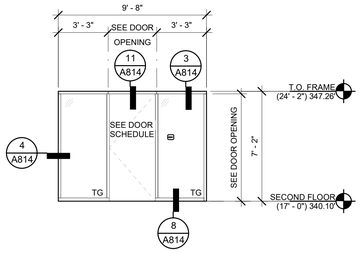
(INTERIOR)



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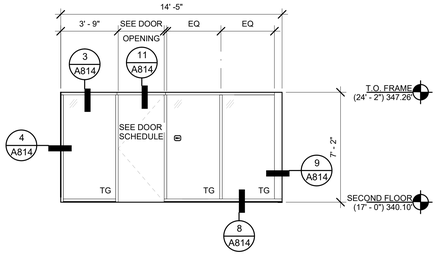
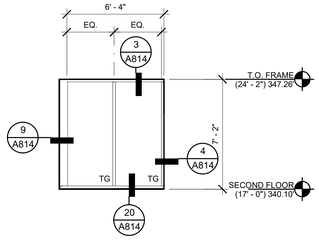
(INTERIOR)



AM - ALUMINUM STOREFRONT
(INTERIOR)



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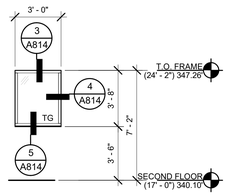
(INTERIOR)



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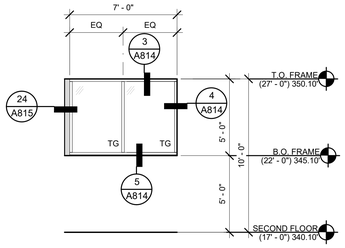
(INTERIOR)



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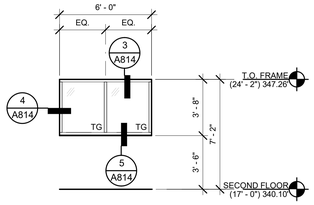
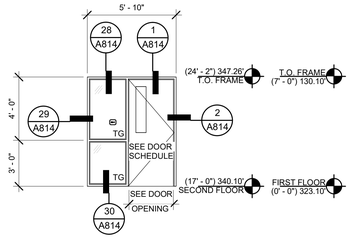
(INTERIOR)



AQ - ALUMINUM STOREFRONT
(INTERIOR)



AR - HOLLOW METAL FRAME (TYP. OFFICE)
(INTERIOR)

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PLOT DATE: 8/14/2026 11:02:55 AM

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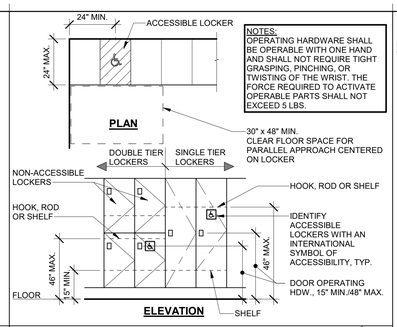
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
WINDOW SCHEDULE

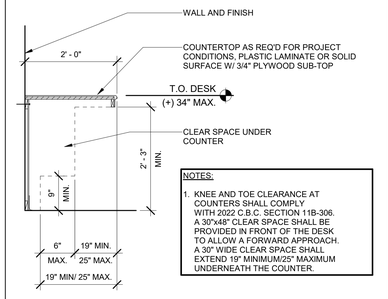
PROJECT NO.
22-12499

DRAWING
A703



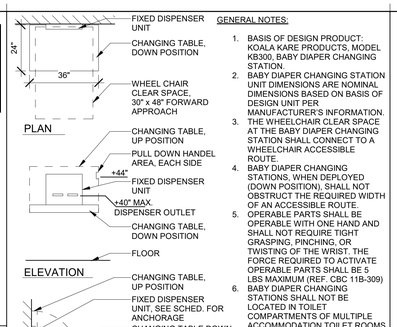
NOTES:
OPERATING HARDWARE SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL NOT EXCEED 5 LBS.

ACCESSIBLE LOCKERS 3/8" = 1'-0" 21

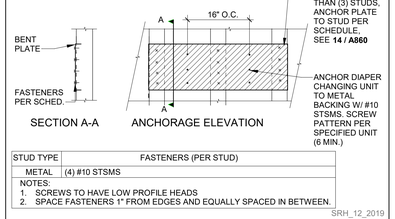


NOTES:
1. KNEE AND TOE CLEARANCE AT COUNTERS SHALL COMPLY WITH 2022 C.B.C. SECTION 11B-306. A 30"x48" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE DESK TO ALLOW A FORWARD APPROACH. A 30" WIDE CLEAR SPACE SHALL EXTEND 19" MINIMUM/25" MAXIMUM UNDERNEATH THE COUNTER.

DESK KNEE / TOE CLEARANCE1 3/4" = 1'-0" 22



GENERAL NOTES:
1. BASIS OF DESIGN PRODUCT: KOALA KARE PRODUCTS, MODEL KB300, BABY DIAPER CHANGING STATION.
2. BABY DIAPER CHANGING STATION UNIT DIMENSIONS ARE NOMINAL DIMENSIONS BASED ON BASIS OF DESIGN UNIT PER MANUFACTURER'S INFORMATION.
3. THE WHEELCHAIR CLEAR SPACE AT THE BABY DIAPER CHANGING STATION SHALL CONNECT TO A WHEELCHAIR ACCESSIBLE ROUTE.
4. BABY DIAPER CHANGING STATIONS, WHEN DEPLOYED (DOWN POSITION), SHALL NOT OBSTRUCT THE REQUIRED WIDTH OF AN ACCESSIBLE ROUTE.
5. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS MAXIMUM (REF. CBC 11B-309)
6. BABY DIAPER CHANGING STATIONS SHALL NOT BE LOCATED IN TOILET COMPARTMENTS OF MULTIPLE ACCOMMODATION TOILET ROOMS (CBC 11B-226.4)

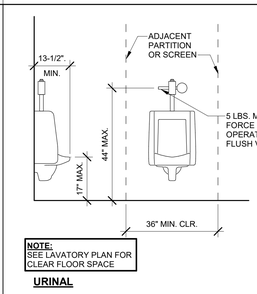


STUD TYPE	FASTENERS (PER STUD)
METAL	(4) #10 STSMS

NOTES:
1. SCREWS TO HAVE LOW PROFILE HEADS
2. SPACE FASTENERS 1" FROM EDGES AND EQUALLY SPACED IN BETWEEN.

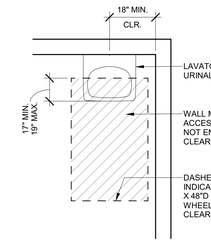
SRH_12_2019

DIAPER CHANGING STATION 3/8" = 1'-0" 17

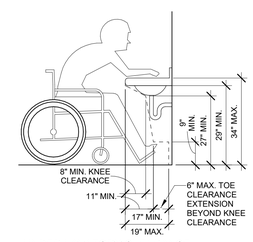


NOTE:
SEE LAVATORY PLAN FOR CLEAR FLOOR SPACE

URINAL

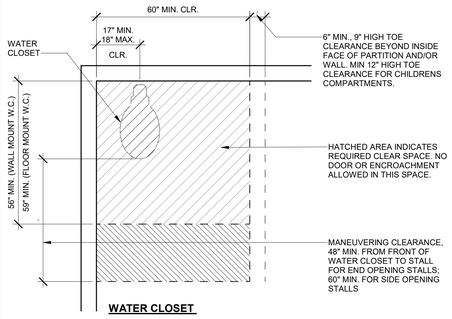


LAVATORY

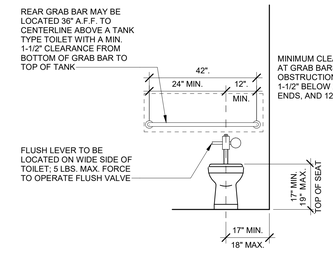


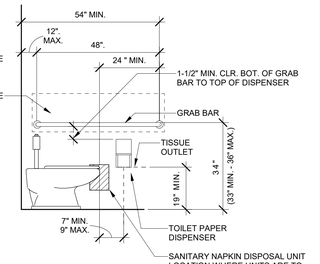
UNDER LAVATORY CLEARANCE

LAVATORY NOTES:
1. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
2. FAUCETS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING PINCHING OR TWISTING.
3. THE FORCE TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.
4. SELF-CLOSING VALVES SHALL REMAIN OPEN FOR 10 SECONDS MIN.



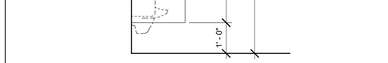
WATER CLOSET





WATER CLOSET AND GRAB BARS

TYPICAL ACCESSIBLE FIXTURE MOUNTING HEIGHTS & CLEARANCES FOR ADULTS 1/2" = 1'-0" 2



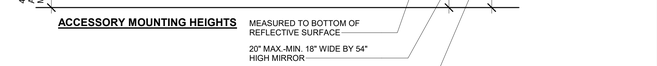
NOTE:
SEE **4 / A800** FOR ANCHORAGE

URINAL PARTITION ELEVATION 1/2" = 1'-0" 23

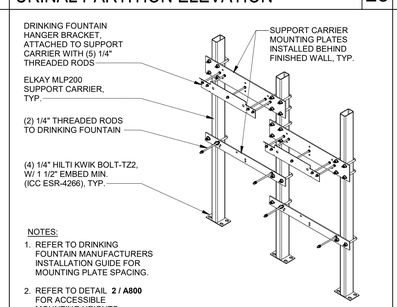
SRH_12_2019

MANEUVERING CLEARANCE AT DOORS 1/4" = 1'-0" 18

MIRROR ANCHORAGE 1" = 1'-0" 13

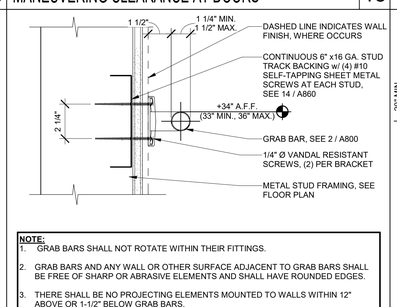


TYPICAL ACCESSORY MOUNTING HEIGHTS 1/2" = 1'-0" 3



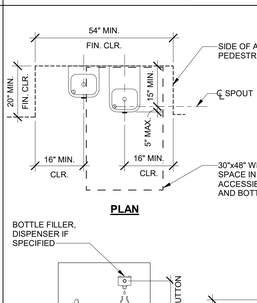
NOTES:
1. REFER TO DRINKING FOUNTAIN MANUFACTURERS INSTALLATION GUIDE FOR MOUNTING PLATE SPACING.
2. REFER TO DETAIL **2 / A800** FOR ACCESSIBLE MOUNTING HEIGHTS

DRINKING FOUNTAIN SUPPORT CARRIER 1" = 1'-0" 24



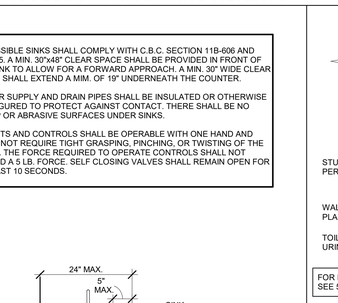
NOTE:
1. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
2. GRAB BARS AND ANY WALL OR OTHER SURFACE ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.
3. THERE SHALL BE NO PROJECTING ELEMENTS MOUNTED TO WALLS WITHIN 12" ABOVE OR 1-1/2" BELOW GRAB BARS.

GRAB BAR ANCHORAGE 3" = 1'-0" 19



NOTES:
1. THE MANUAL MECHANISM FOR THE DRINKING FOUNTAIN SHALL BE FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6" OF THE FRONT EDGE OF THE FOUNTAIN.
2. THE SPOUT SHALL PROVIDE A STREAM OF WATER AT LEAST 4" HIGH.
3. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.
4. VERIFY D.F. MFR./MODEL WITH PLUMBING DWGS.
5. SEE **24 / A800** FOR SUPPORT CARRIER

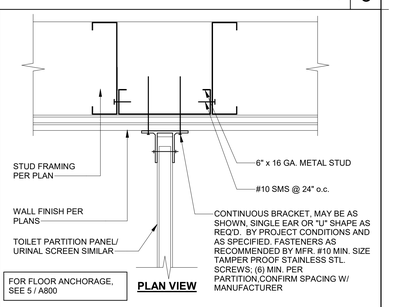
ACCESSIBLE DRINKING FOUNTAIN 1/2" = 1'-0" 15



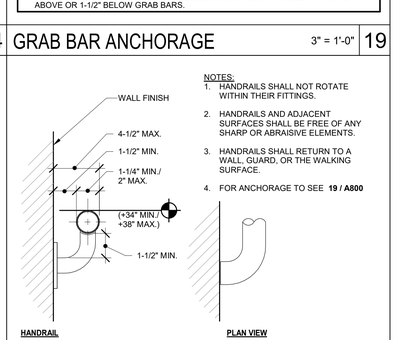
**INCREASE BY 1" FOR EACH 1" INCREASE IN CLEAR SPACE DEPTH BEYOND 19"

NOTES:
1. ACCESSIBLE SINKS SHALL COMPLY WITH C.B.C. SECTION 11B-606 AND 11B-305. A MIN. 30"x48" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE SINK TO ALLOW FOR A FORWARD APPROACH. A MIN. 30" WIDE CLEAR SPACE SHALL EXTEND A MIM. OF 19" UNDERNEATH THE COUNTER.
2. WATER SUPPLY AND DRAIN PIPES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.
3. FAUCETS AND CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED A 5 LB. FORCE. SELF CLOSING VALVES SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.

ACCESSIBLE SINK KNEE/TOE CLEARANCE 3/4" = 1'-0" 10

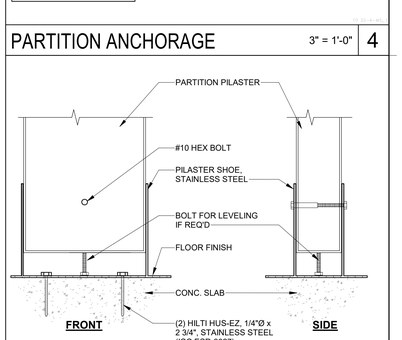


PARTITION ANCHORAGE 3" = 1'-0" 4



NOTES:
1. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
2. HANDRAILS AND ADJACENT SURFACES SHALL BE FREE OF ANY SHARP OR ABRAISIVE ELEMENTS.
3. HANDRAILS SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE.
4. FOR ANCHORAGE TO SEE **19 / A800**

TYPICAL HANDRAIL 12" = 1'-0" 20



PARTITION BASE ANCHORAGE 3" = 1'-0" 5

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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FRESNO HEADQUARTERS
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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
TYPICAL ACCESSIBILITY AND SIGNAGE DETAILS

PROJECT NO.
22-12499

DRAWING
A800

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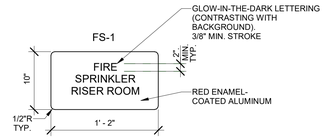
PLOT DATE: 8/14/2026 11:02:59 AM

ATTENDANT ASSISTANCE SIGN (AAS)

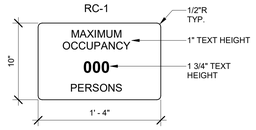
1. SEE INTERIOR ELEVATION FOR POSTED LOCATION.

FIRE SPRINKLER ROOM SIGN (FS)



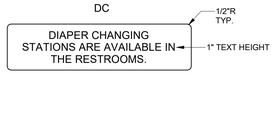
ROOM CAPACITY SIGN (RC)

SINGLE PURPOSE ROOM



DIAPER CHANGING STATION SIGN (DC)

1. SEE FLOOR PLAN AND INTERIOR ELEVATION FOR POSTED LOCATION.



ASSISTIVE LISTENING DEVICE (ALS)

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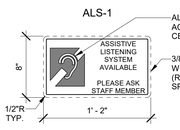


NO SMOKING SIGN (NS)

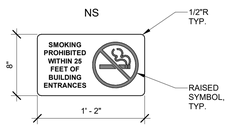


TABLE 11B-703.5.5 (VISUAL CHARACTER HEIGHT)		
HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 72 INCHES	5/8 INCHES
	72 INCHES AND GREATER	5/8 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 72 INCHES
GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES	LESS THAN 180 INCHES	2 INCHES
	180 INCHES AND GREATER	2 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 180 INCHES
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCHES
	21 FEET AND GREATER	3 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FOOT

GENERAL NOTES:

1. INFORMATIONAL SIGNAGE SHALL COMPLY WITH CBC 11B-703.5
2. INFORMATIONAL SIGNS ARE NOT REQUIRED TO HAVE RAISED CHARACTERS AND ACCOMPANYING BRAILLE.
3. LETTERING TO BE 3/4" HIGH MIN. U.N.O.

FINISH AND CONTRAST (CBC 11B-703.5.1): VISUAL CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

CASE (CBC 11B-703.5.2): CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

STYLE (CBC 11B-703.5.3): CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

CHARACTER PROPORTIONS (CBC 11B-703.5.4): CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

CHARACTER HEIGHT (CBC 11B-703.5.5): MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".

STROKE THICKNESS (CBC 11B-703.5.7): STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

CHARACTER SPACING (CBC 11B-703.5.8): CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF CHARACTER HEIGHT.

LINE SPACING (CBC 11B-703.5.9): SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

FORMAT (CBC 11B-703.5.10): TEXT SHALL BE IN A HORIZONTAL FORMAT.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM, CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH, PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION, TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.

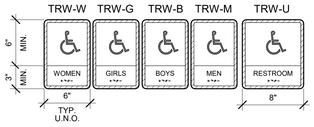
SYMBOL OF ACCESSIBILITY (CBC 11B-703.7): SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

SRH_12_2019

INFORMATIONAL SIGNAGE — 1 1/2" = 1'-0" — 18

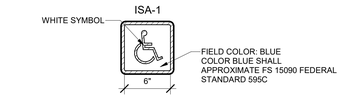
TYPICAL ROOM IDENTIFICATION

WALL MOUNTED TOILET SIGNAGE AT ACCESSIBLE TOILETS (TRW)



WALL MOUNTED ACCESSIBLE ACCESS SIGN (ISA)

SYMBOL SHALL COMPLY WITH CBC 11B-703.7.2.1



WALL MOUNTED IDENTIFICATION SIGNAGE @ FUNCTIONAL ROOMS (RN)

COORDINATE ROOM NAME AND NUMBER WITH OWNER PRIOR TO FABRICATION. DO NOT USE IDENTIFICATION FOUND ON THE DRAWINGS, U.N.O.

2. BLANK PLATE, TO MATCH SIZE OF ROOM IDENTIFICATION SIGNAGE (RN-1).

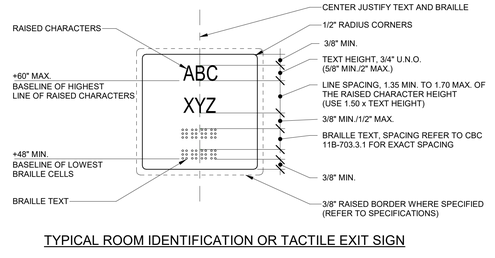
WALL MOUNTED TACTILE EXIT SIGN (TE)

1. EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT, SIGN TO STATE: "EXIT"

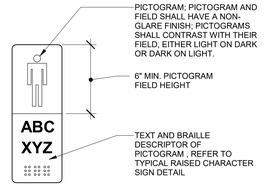
2. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE."

3. EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT BY MEANS OF RAMP OR STAIR, SIGN TO STATE: "EXIT RAMP DOWN", "EXIT STAIR DOWN", "EXIT RAMP UP", AND "EXIT STAIR UP".

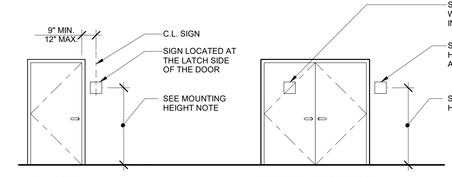
2. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, LEADS DIRECTLY TO GRADE LEVEL EXIT BY MEANS OF RAMP, SIGN TO STATE: "EXIT ROUTE DOWN"

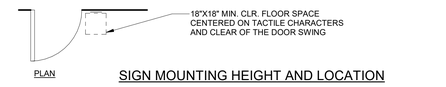


TYPICAL ROOM IDENTIFICATION OR TACTILE EXIT SIGN



SIGN WITH PICTOGRAM





SIGN MOUNTING HEIGHT AND LOCATION

NOTES:

GENERAL: SIGNAGE SHALL COMPLY WITH CBC SECTION 11B-703, RAISED CHARACTER SIGNS SHALL COMPLY WITH CBC 11B-703.2, 11B-703.3 AND 11B-703.4

RAISED CHARACTERS (CBC 11B-703.2): RAISED CHARACTERS (TEXT) SHALL COMPLY WITH CBC SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE. RAISED CHARACTERS SHALL BE UPPER CASE AND BE RAISED 1/32-INCH MINIMUM ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE SANS SERIF AND NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL FORMS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8-INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER. TEXT SHALL BE IN A HORIZONTAL FORMAT. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

BRAILLE (CBC 11B-703.3): BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC SECTIONS 11B-703.3. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE 703.3.1. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, CENTER JUSTIFIED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM AND FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

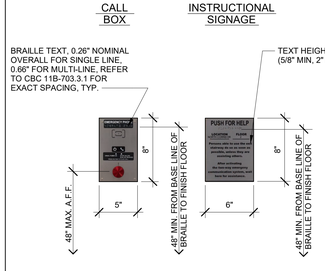
MOUNTING HEIGHT (CBC 11B-703.4.1): TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FORM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.

LOCATION (CBC 11B-703.4.2): SIGNS SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION WHERE PROVIDED. SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE LOCATED AT THE ENTRANCE TO, AND OUTSIDE OF THE ROOM OR SPACE. WHERE PROVIDED, SIGNS IDENTIFYING EXITS SHALL BE LOCATED AT THE EXIT DOOR WHEN APPROACHED IN THE DIRECTION OF EGRESS TRAVEL.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM, CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH, PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION, TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.

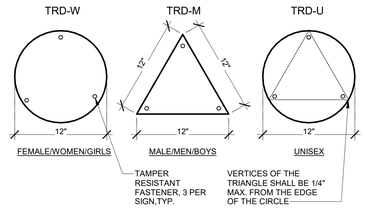
SRH_12_2019

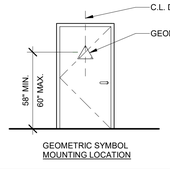
TYPICAL ROOM IDENTIFICATION AND TACTILE SIGNAGE — 1 1/2" = 1'-0" — 3



TWO-WAY COMMUNICATION SYSTEM SIGNAGE AT ELEVATOR — 1 1/2" = 1'-0" — 9

TOILET ROOM DOOR IDENTIFICATION SYMBOL (TRD)





NOTES:

1. SYMBOLS SHALL BE 1/4" THICK; UNISEX SYMBOLS SHALL CONSIST OF A 1/4" THICK TRIANGLE ON A 1/4" THICK CIRCLE.
2. THE COLOR OF THE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR; FOR UNISEX SIGNS, THE COLOR OF THE CIRCLE SHALL CONTRAST WITH THE DOOR AND THE COLOR OF THE TRIANGLE SHALL CONTRAST WITH THE CIRCLE; CONTRAST SHALL BE LIGHT ON DARK OR DARK ON LIGHT.
3. SYMBOLS SHALL NOT CONTAIN BRAILLE, WRITTEN TEXT, OR PICTOGRAMS.
4. EDGES OF SYMBOLS SHALL BE EASED OR ROUNDED AT 1/16" MINIMUM OR CHAMFERED AT 1/8" MAXIMUM. VERTICES OF TRIANGLES SHALL BE RADIUSED BETWEEN 1/8" MIN./ 1/4" MAX.
5. SYMBOLS SHALL BE LOCATED ON DOORS TO TOILET ROOMS, WHERE NO DOORS ARE PROVIDED, SYMBOLS SHALL BE LOCATED ON THE WALL ADJACENT TO THE ENTRANCE OPENING.

SRH_12_2019

SYMBOLS FOR TOILET ROOMS — 1 1/2" = 1'-0" — 5

PLOT DATE: 8/14/2026 11:03:01 AM

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

PROJECT NO. 22-12499

DRAWING TITLE: TYPICAL ACCESSIBILITY AND SIGNAGE DETAILS

DRAWING A801

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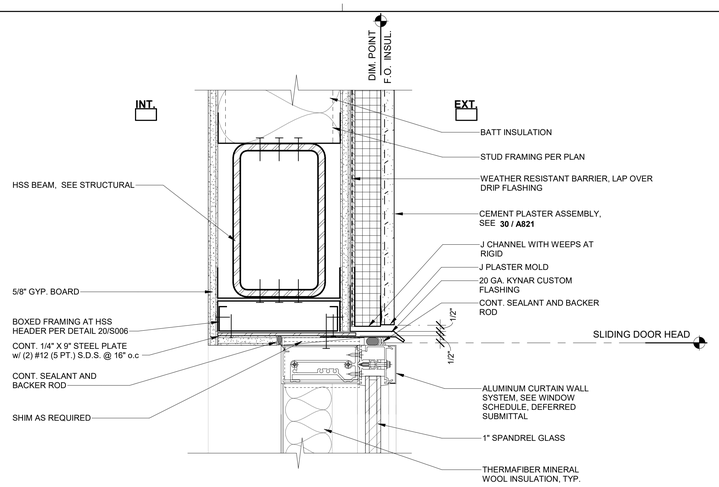
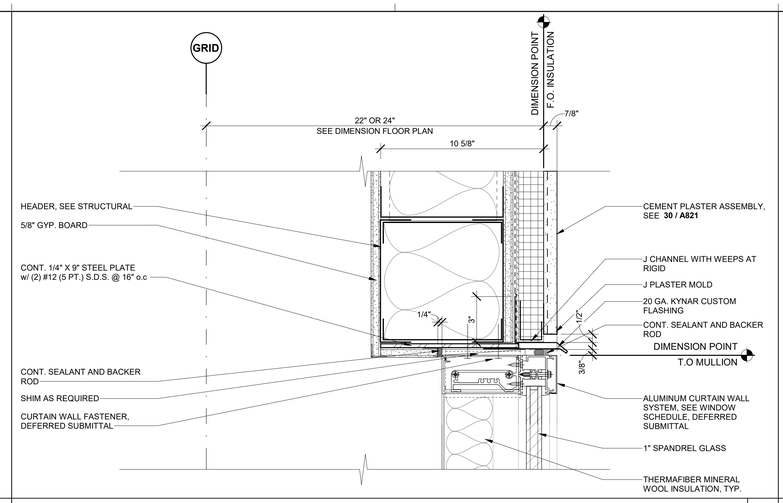
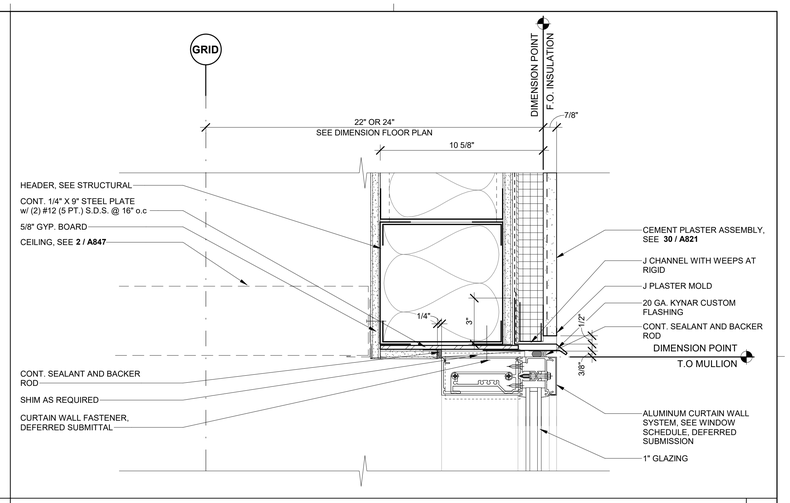


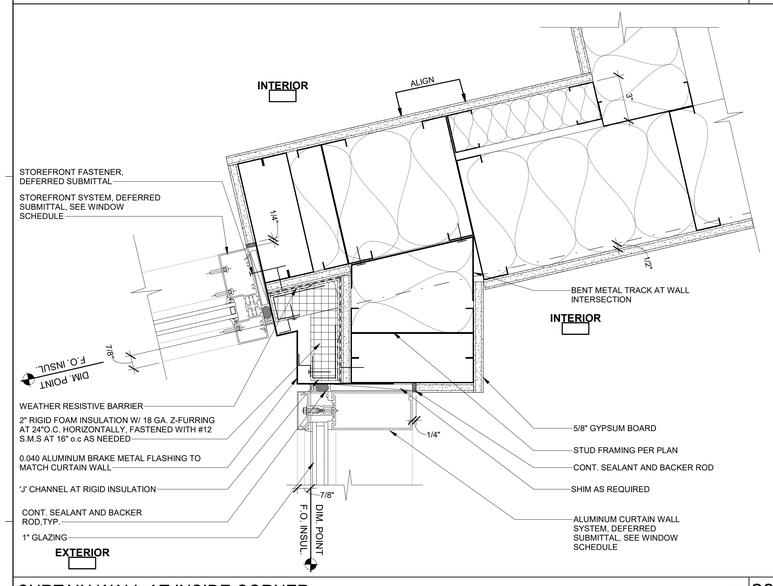
CURTAIN WALL HEAD AT SPANDREL - HSS HEADER 3" = 1'-0" 22



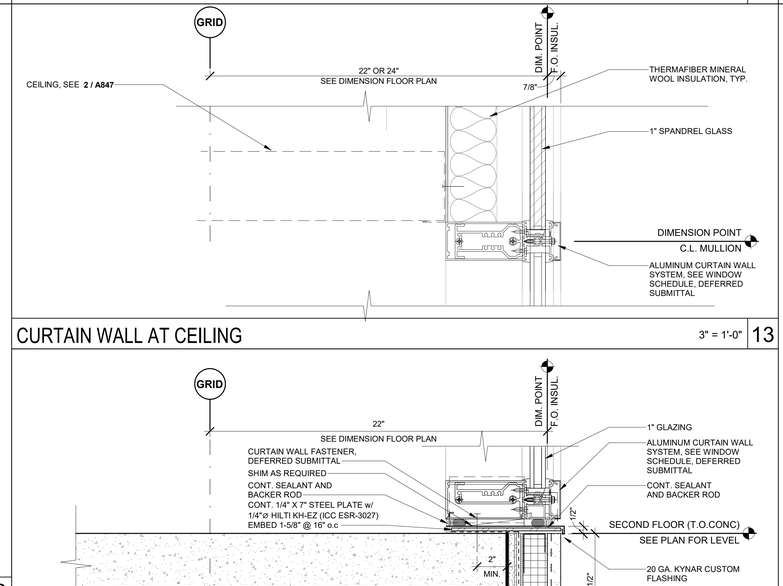
CURTAIN WALL HEAD AT SPANDREL 3" = 1'-0" 12



CURTAIN WALL HEAD AT CEILING 3" = 1'-0" 2

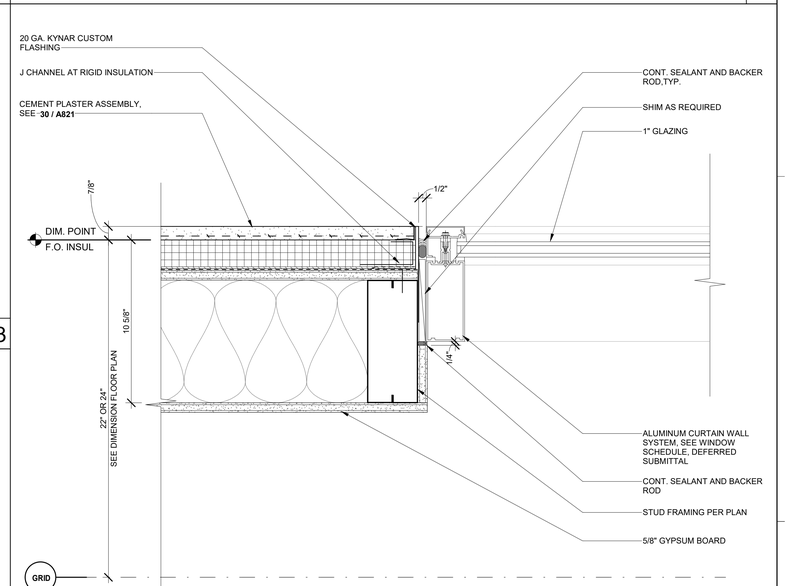


CURTAIN WALL AT INSIDE CORNER 3" = 1'-0" 23

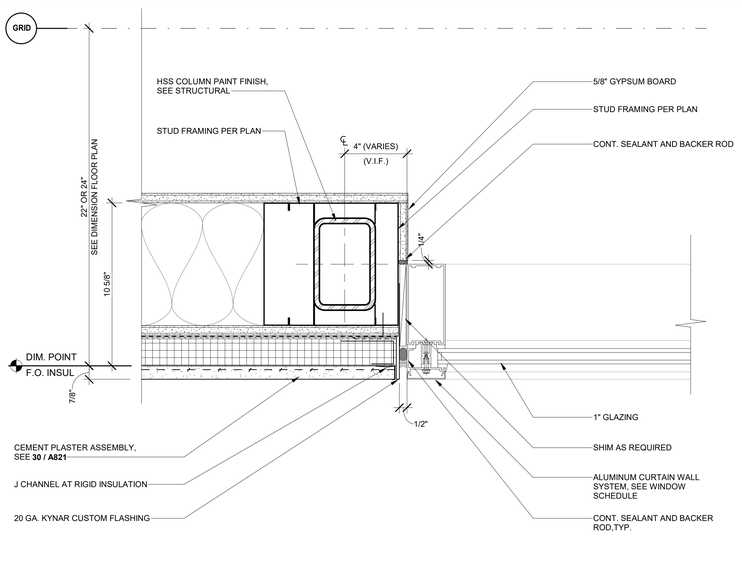


CURTAIN WALL AT CEILING 3" = 1'-0" 13

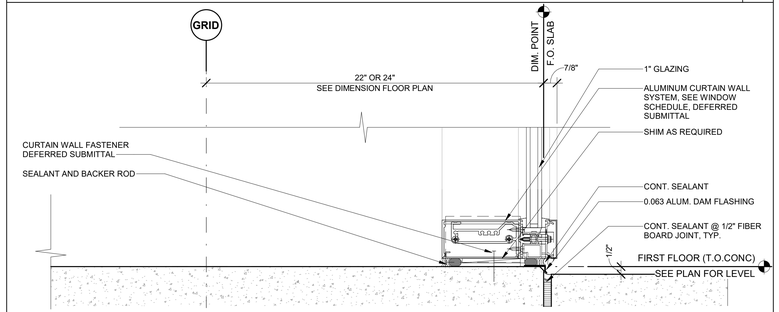
CURTAIN WALL 2F AT EXTERIOR WALL 14



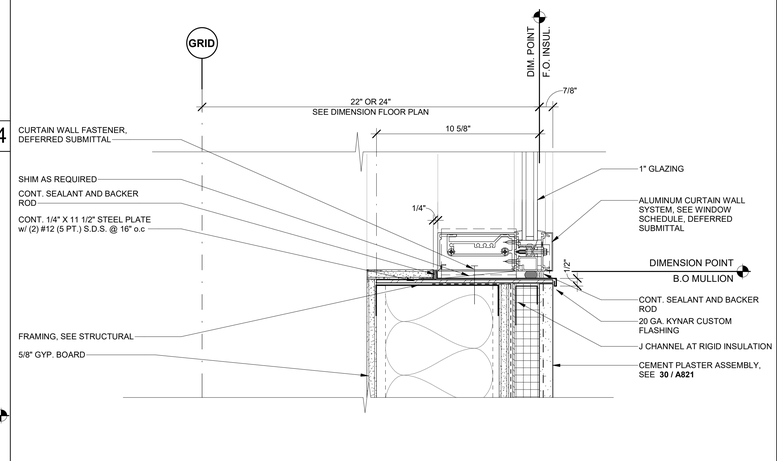
CURTAIN WALL JAMB AT CEMENT PLASTER 3" = 1'-0" 4



CURTAIN WALL JAMB AT HSS & CEMENT PLASTER 3" = 1'-0" 25



CURTAIN WALL SILL AT SLAB EDGE 3" = 1'-0" 15



CURTAIN WALL SILL 3" = 1'-0" 5

PLOT DATE: 8/14/2026 11:03:05 AM

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
EXTERIOR OPENING DETAILS

PROJECT NO.
22-12499

DRAWING
A810

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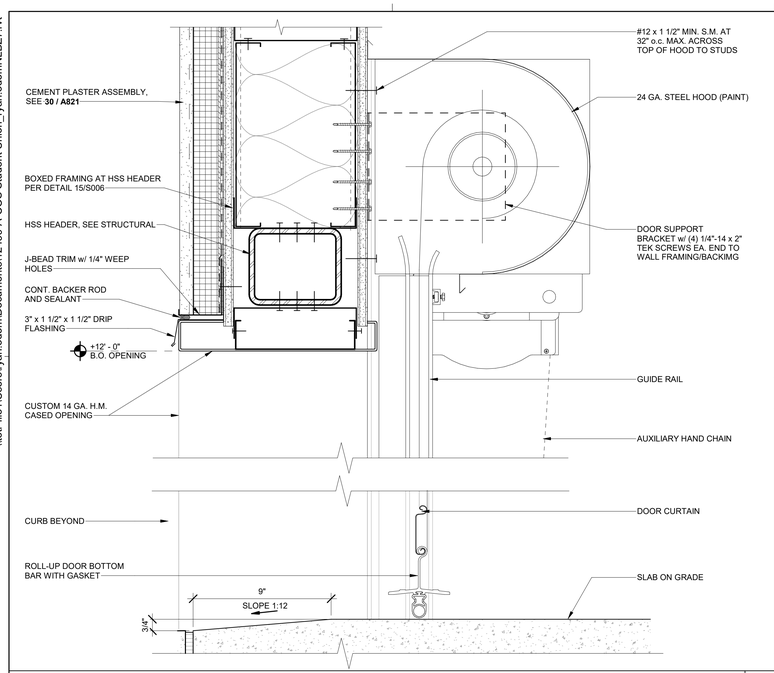
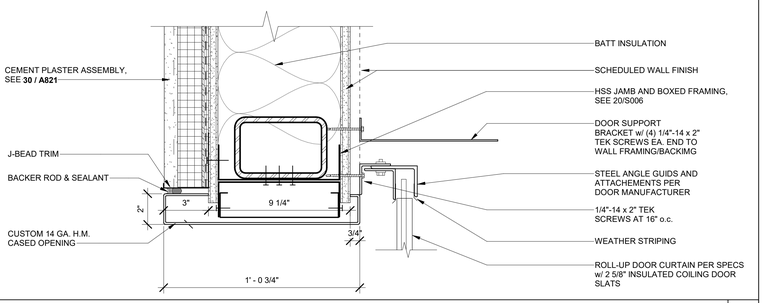


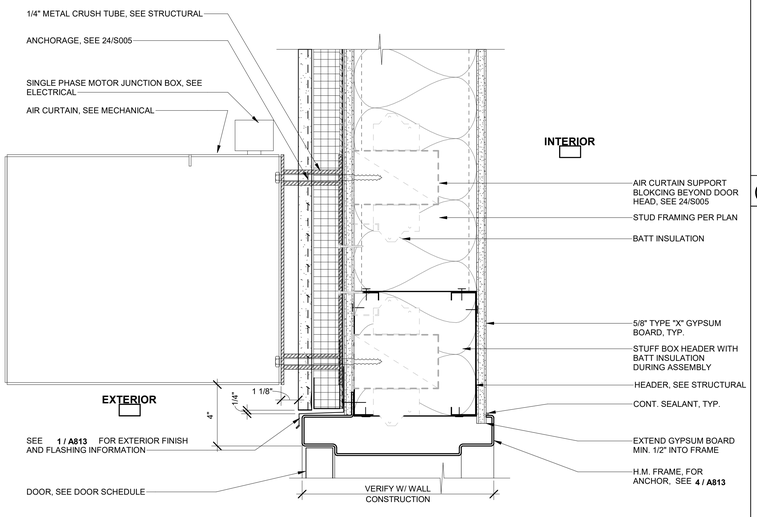
OVERHEAD COILING DOOR HEAD AND DOOR SILL

3" = 1'-0" | 22



OVERHEAD COILING DOOR JAMB

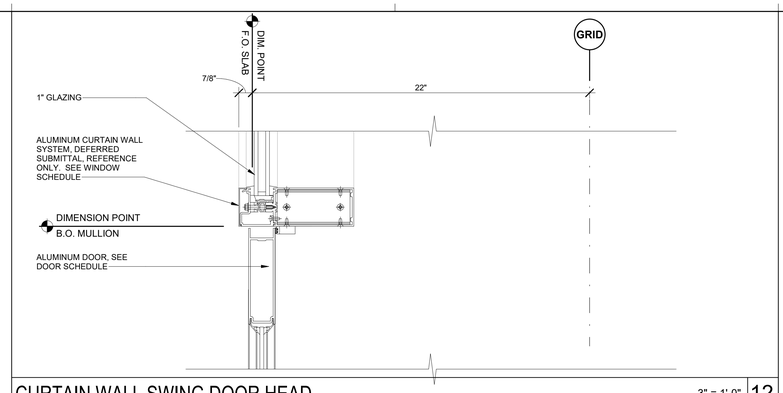
3" = 1'-0" | 23



NOTE: FOR OPTIMUM PERFORMANCE, AIR CURTAIN TO BE POSITIONED 3/8" AWAY FROM WALL FOR EVERY ADDITIONAL 1" ABOVE 1" ABOVE OPENING

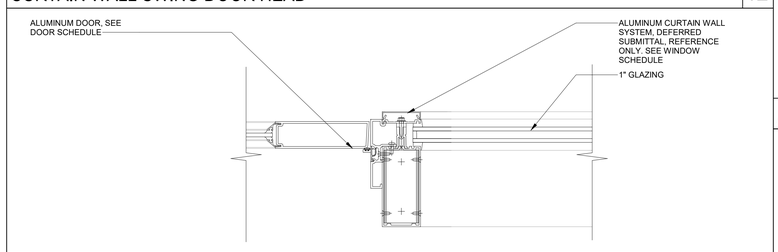
EXTERIOR WALL MOUNTED AIR CURTAIN - HEAD

3" = 1'-0" | 25



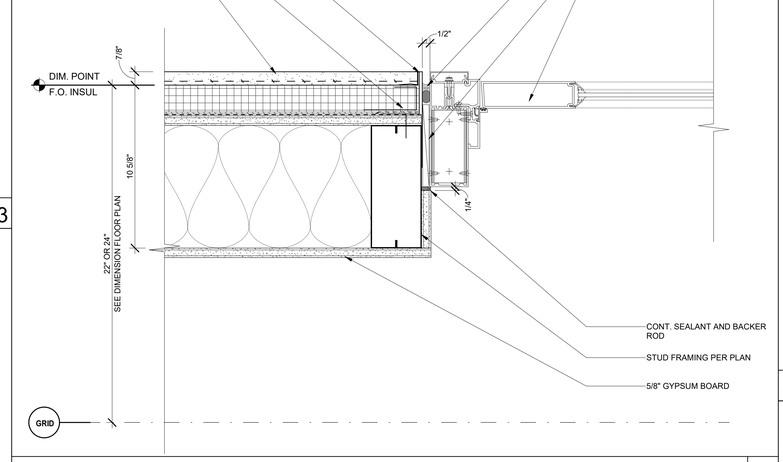
CURTAIN WALL SWING DOOR HEAD

3" = 1'-0" | 12



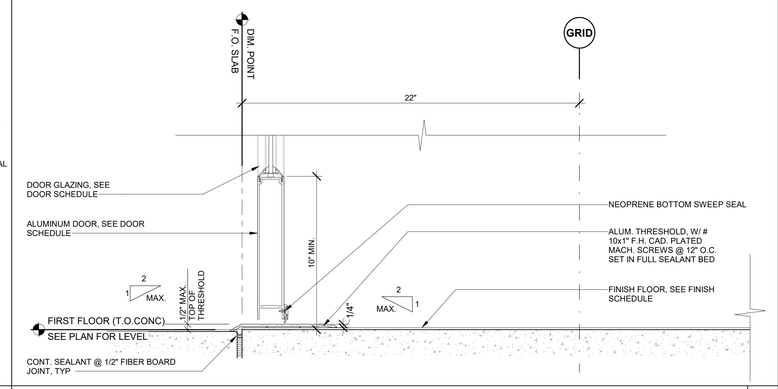
CURTAIN WALL SWING DOOR JAMB

3" = 1'-0" | 13



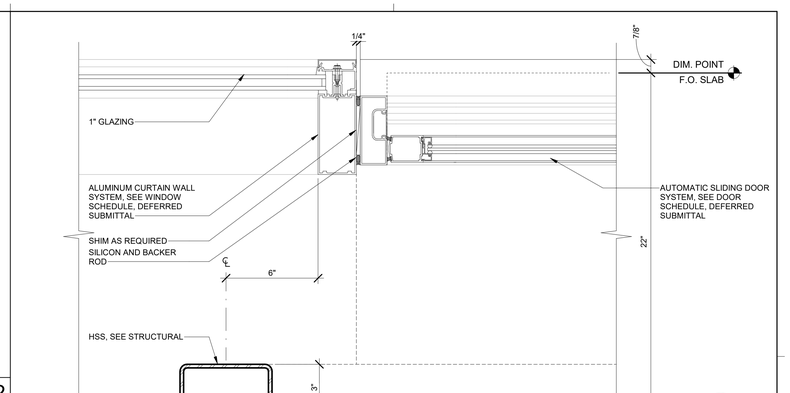
CURTAIN WALL DOOR JAMB AT CEMENT PLASTER

3" = 1'-0" | 14



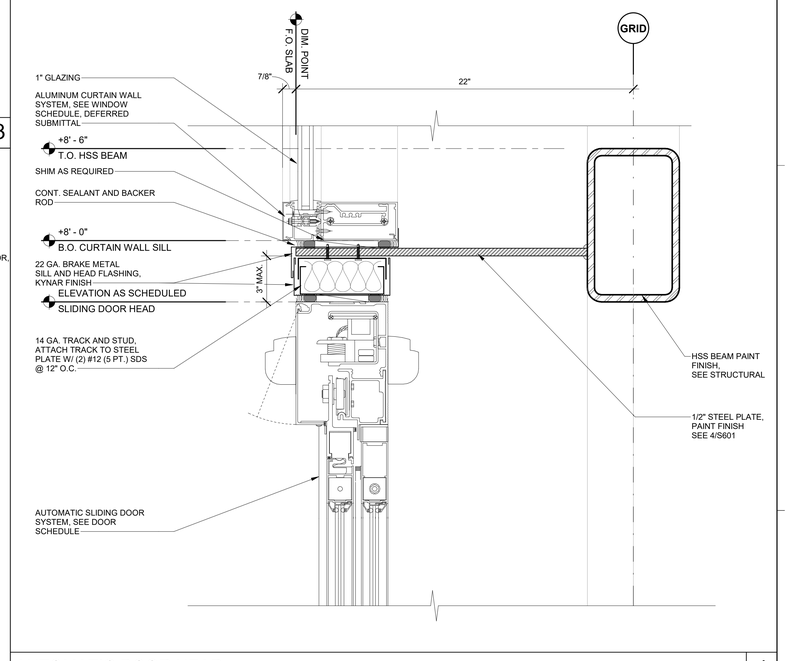
CURTAIN WALL SWING DOOR SILL

3" = 1'-0" | 15



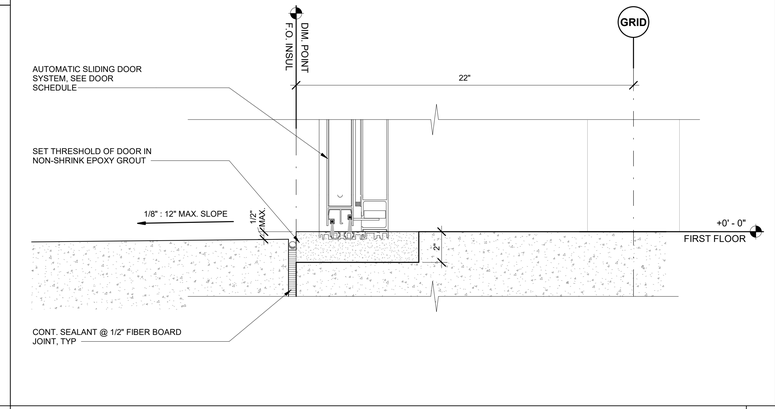
AUTOMATIC DOOR JAMB

3" = 1'-0" | 2



AUTOMATIC DOOR HEAD

3" = 1'-0" | 4



AUTOMATIC DOOR SILL

3" = 1'-0" | 5

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TETER

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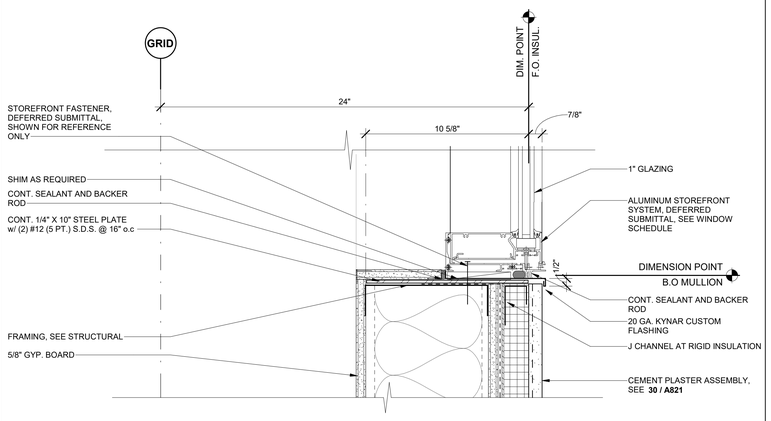
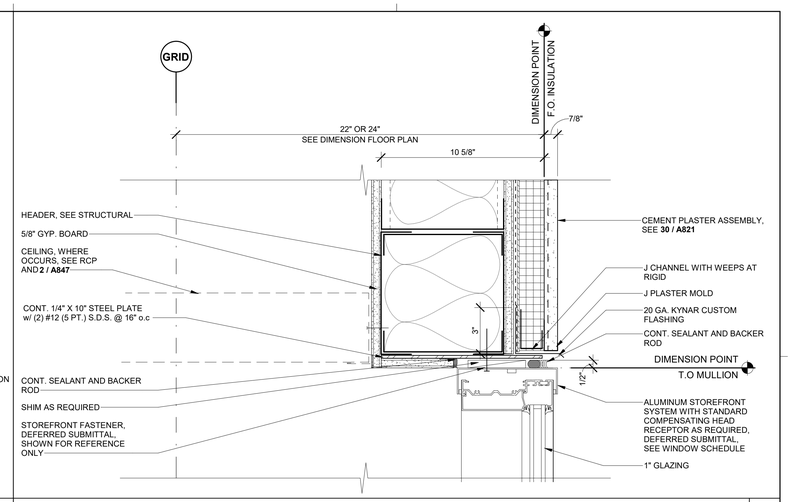
DRAWING TITLE
EXTERIOR OPENING DETAILS

PROJECT NO.
22-12499

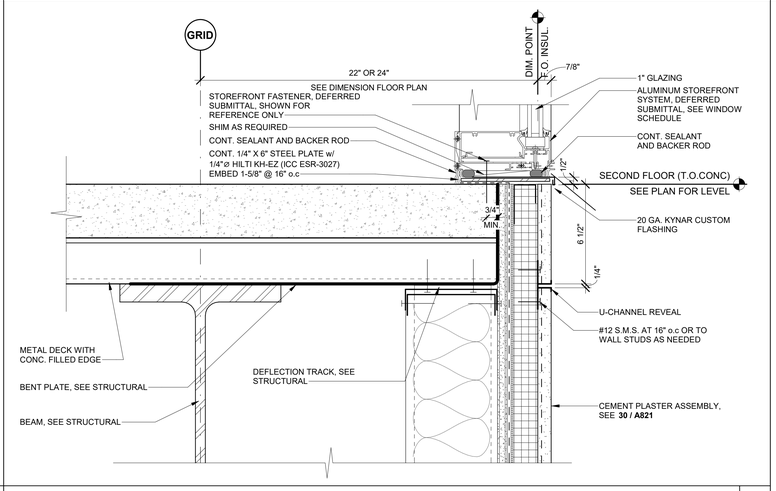
DRAWING
A811



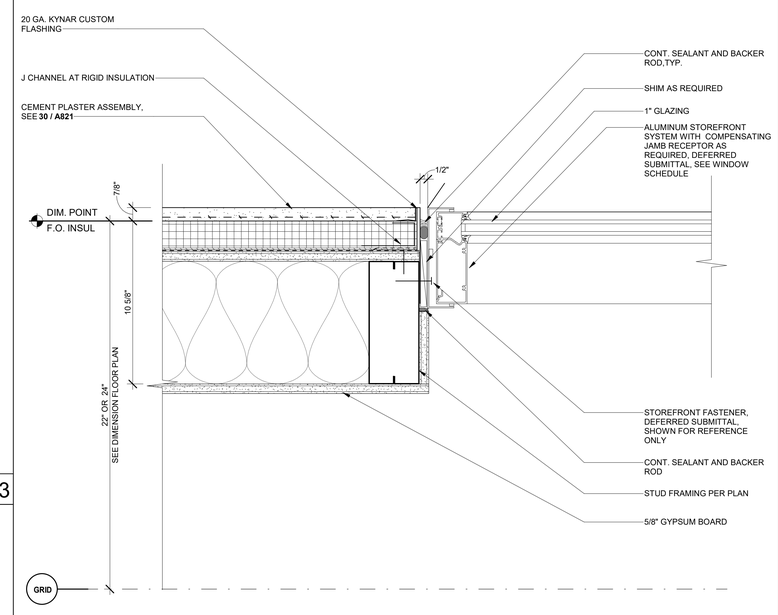
STOREFRONT SILL — 3" = 1'-0" — 12



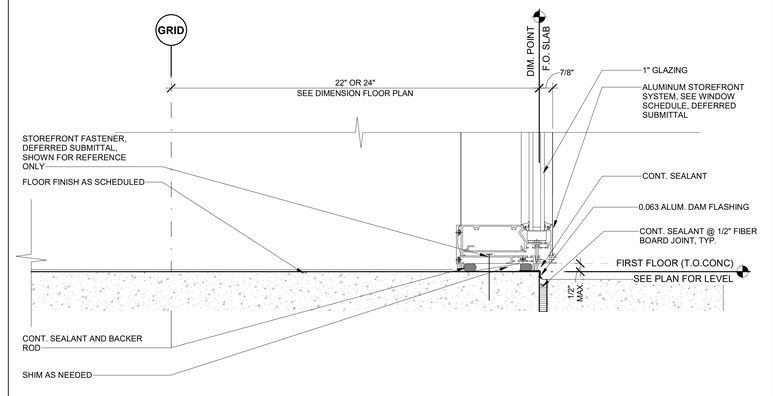
STOREFRONT HEAD AT CEMENT PLASTER — 3" = 1'-0" — 2



STOREFRONT SILL AT 2F — 3" = 1'-0" — 13



STOREFRONT JAMB AT CEMENT PLASTER — 3" = 1'-0" — 4



STOREFRONT AT SLAB EDGE — 3" = 1'-0" — 5

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DRAWING TITLE
EXTERIOR OPENING DETAILS

PROJECT NO.
22-12499

DRAWING
A812

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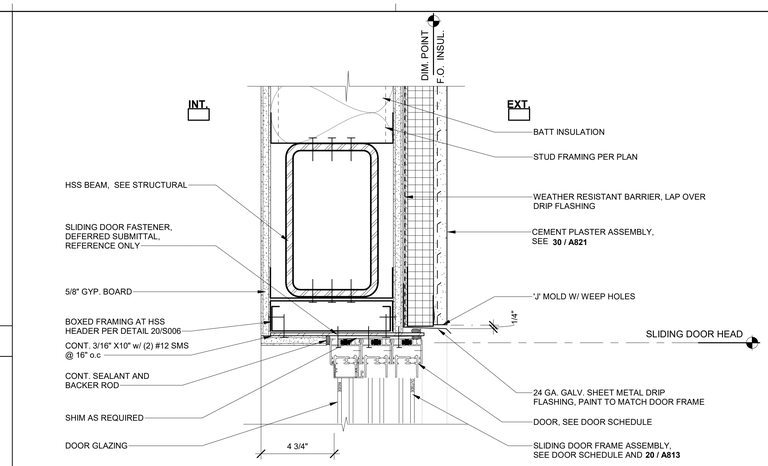
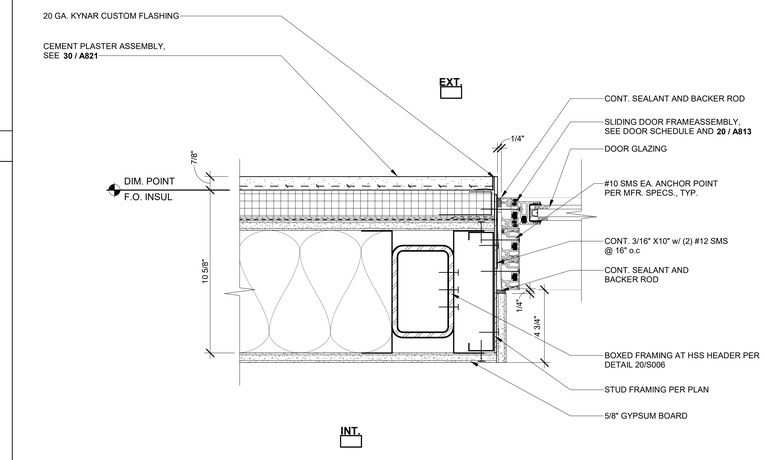
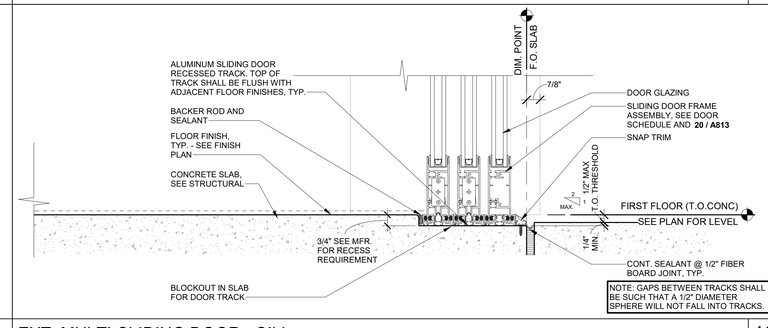


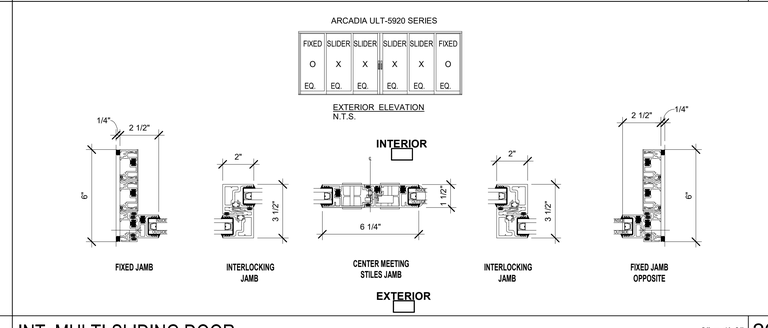
EXT. MULTI-SLIDING DOOR -HEAD — 3" = 1'-0" | 17



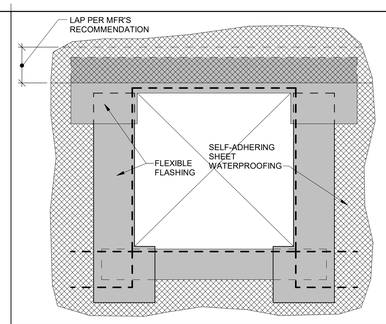
EXT. SLIDING DOOR - JAMB — 3" = 1'-0" | 18



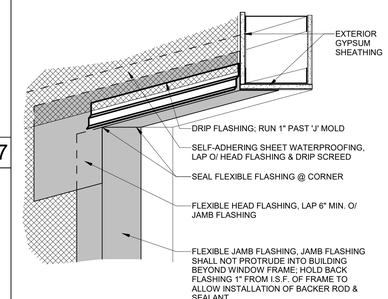
EXT. MULTI-SLIDING DOOR - SILL — 3" = 1'-0" | 19



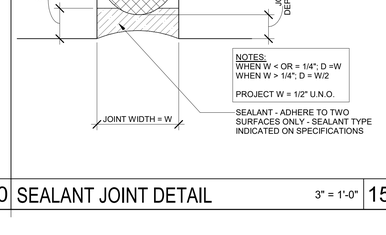
INT. MULTI-SLIDING DOOR — 3" = 1'-0" | 20



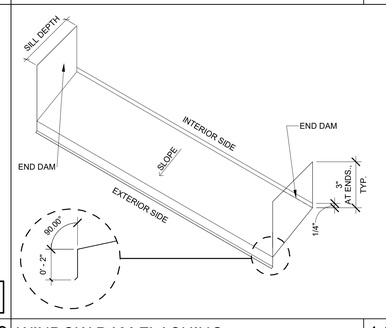
TYP. FLASHING AT OPENINGS — 1" = 1'-0" | 11



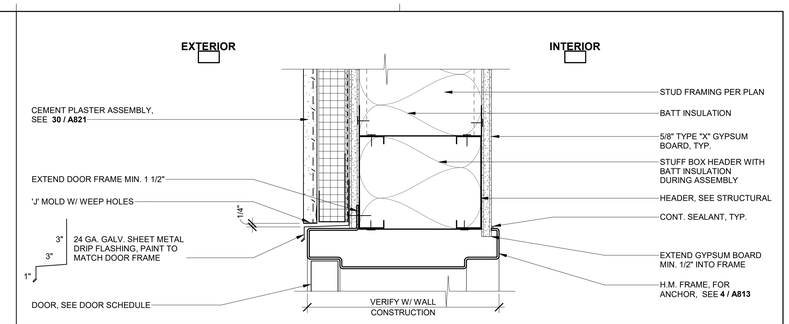
FLASHING HEAD CONDITION — 1 1/2" = 1'-0" | 12



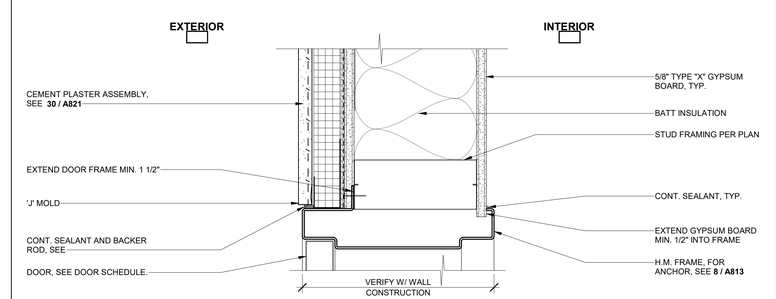
FLASHING SILL CONDITION — 1 1/2" = 1'-0" | 13



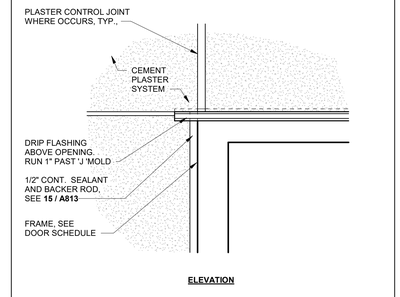
WINDOW DAM FLASHING — 3" = 1'-0" | 14



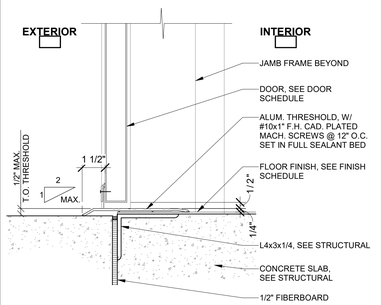
EXTERIOR H.M. DOOR HEAD @ CEMENT PLASTER — 3" = 1'-0" | 1



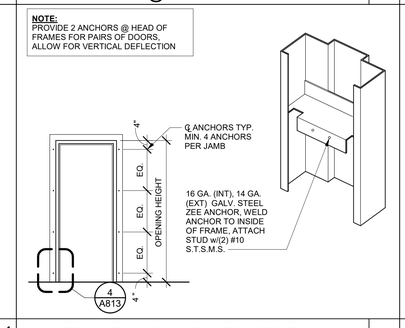
EXTERIOR H.M. DOOR JAMB @ CEMENT PLASTER — 3" = 1'-0" | 2



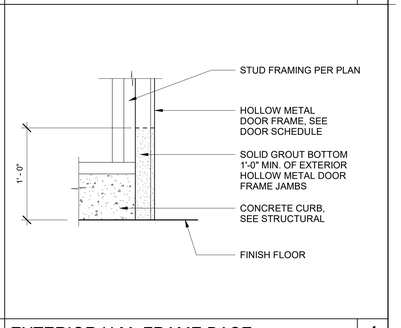
TYP. OPENING @ SCREED — 3" = 1'-0" | 7



H.M. DOOR THRESHOLD — 3" = 1'-0" | 3



H.M. FRAME ANCHOR (MTL. STUD) — 1/2" = 1'-0" | 8



EXTERIOR H.M. FRAME BASE — 1 1/2" = 1'-0" | 4

SEALANT JOINT DETAIL — 3" = 1'-0" | 15

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DRAWING TITLE
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PROJECT NO.
22-12499

DRAWING
A813

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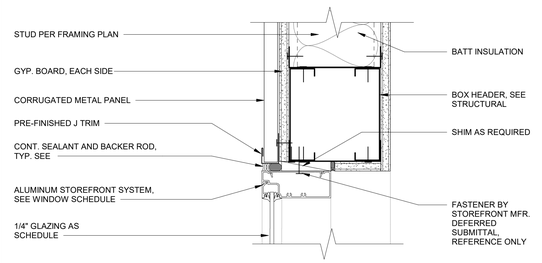
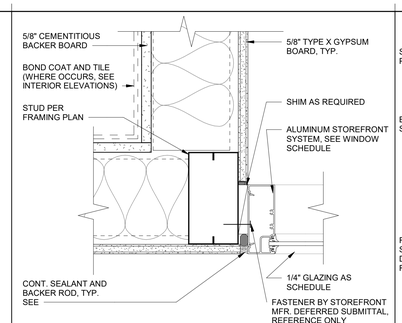
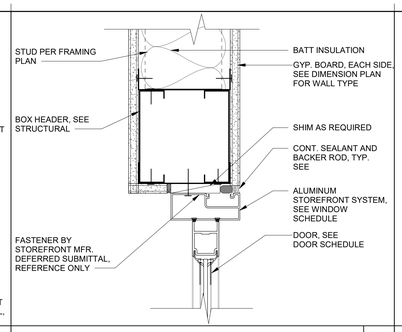


INT. ALUM. STOREFRONT HEAD AT GROVE MARKET 3" = 1'-0" 21



INT. ALUM. STOREFRONT JAMB 3" = 1'-0" 16



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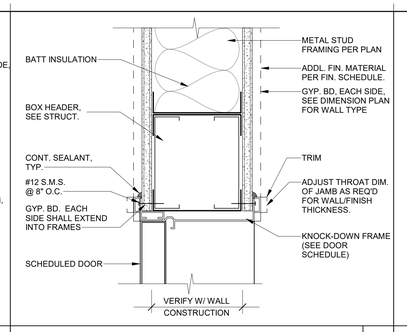
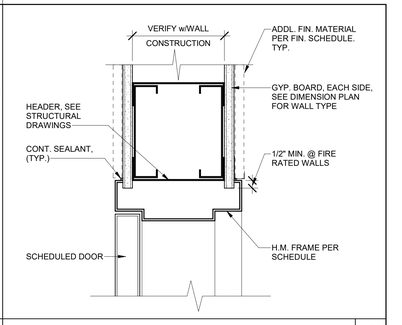
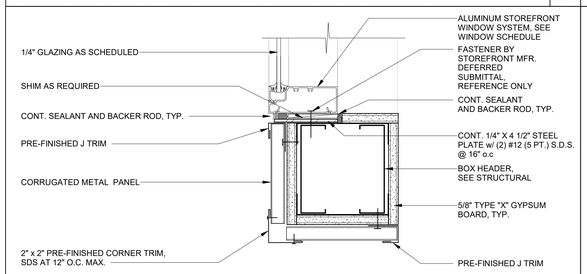


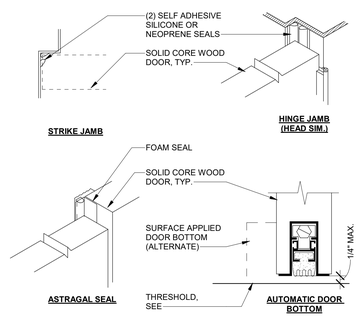
DOOR HEAD INTERIOR KD DETAIL 3" = 1'-0" 6



DOOR HEAD INTERIOR H.M. 3" = 1'-0" 1



INT. ALUM. STOREFRONT SILL AT GROVE MARKET 3" = 1'-0" 22

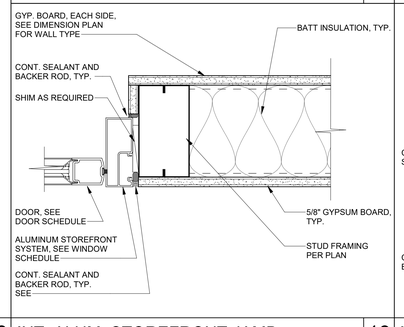


MANUFACTURER	PERIMETER	*ASTRAGAL	AUTOMATIC DOOR BOTTOM	
			MORTISE	SURFACE MOUNTED
NATIONAL GUARD	5050	109N	423N	420N
PEMKO	S 88	355CS	434AR/420A^0	
REESE	797		371	521
ULTRA			DB 043	
ZERO		1840	369	367

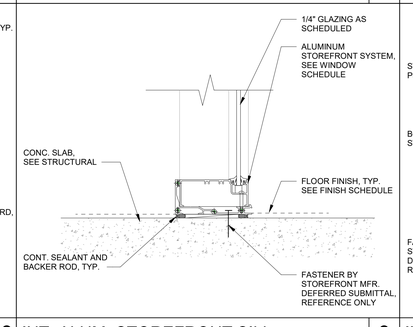
* NO ACOUSTICAL TEST DATA FROM MANUFACTURER
^0 ALTERNATE FOR HOLLOW METAL DOORS

NOTES:
1. INSTALL DOOR IN FRAME WITH 1/8" MAX. TOLERANCE AT HEAD, HINGE & STRIKE JAMB.
2. PERIMETER SEAL SHALL ALWAYS BE MIN. SEMI COMPRESSED WITH DOOR CLOSED.
3. IF TOLERANCE AT PERIMETER IS GREATER THAN 1/8" & DOOR CANNOT BE ADJUSTED, REPLACE WITH 1/2" SEAL INSTEAD OF 1/4" SEAL.
4. ALL GAPS AT INTERSECTION OF ASTRAGAL & AUTOMATIC DOOR BOTTOM SHALL BE SEALED.
5. FOR DOUBLE INTERCONNECTING DOORS PROVIDE PERIMETER SEALS AND AUTOMATIC DOOR BOTTOMS ON BOTH DOORS.
6. IF REQUIRED, SUBSTITUTE A SURFACE APPLIED AUTOMATIC DOOR BOTOOM WITH REESE 521 OR EQUAL.

ACOUSTIC DOOR SEAL 6" = 1'-0" 18



INT. ALUM. STOREFRONT JAMB 3" = 1'-0" 13



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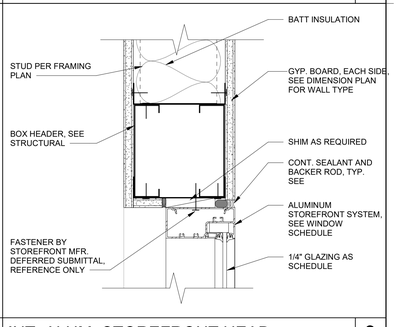
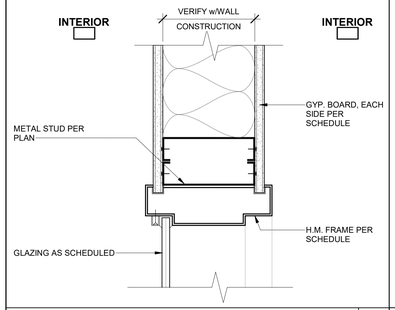
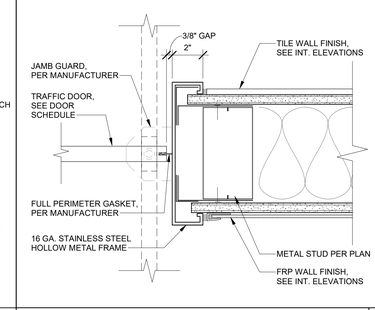


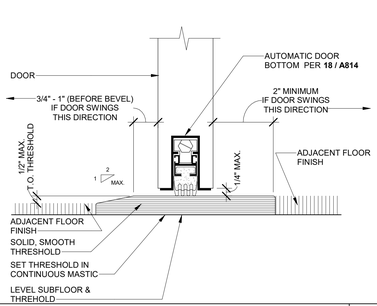
INT. ALUM. STOREFRONT HEAD 3" = 1'-0" 3



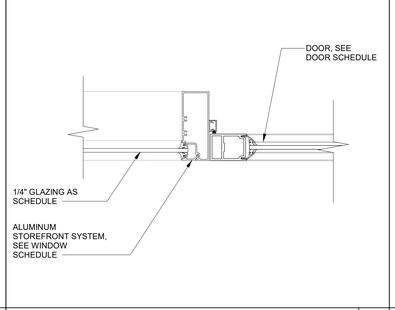
H.M. INTERIOR WINDOW JAMB 3" = 1'-0" 29



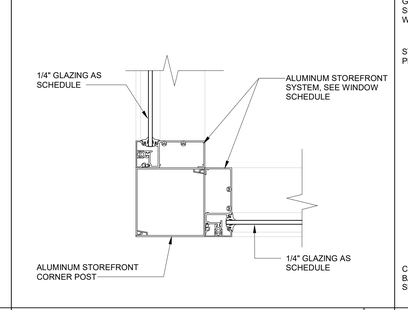
TRAFFIC DOOR JAMB 3" = 1'-0" 17



AUTOMATIC DOOR BOTTOM 6" = 1'-0" 19



STOREFRONT DOOR AT MULLION 3" = 1'-0" 14



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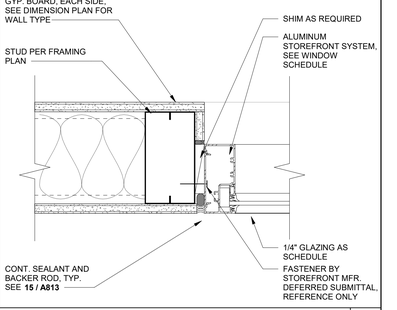

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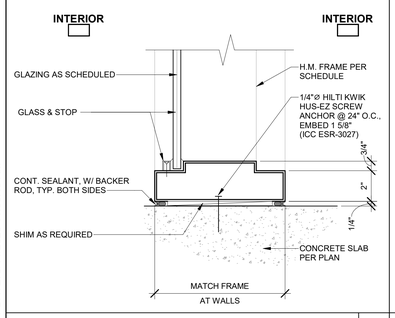
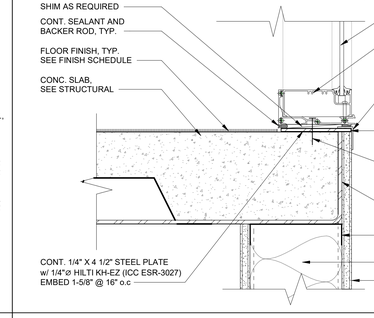
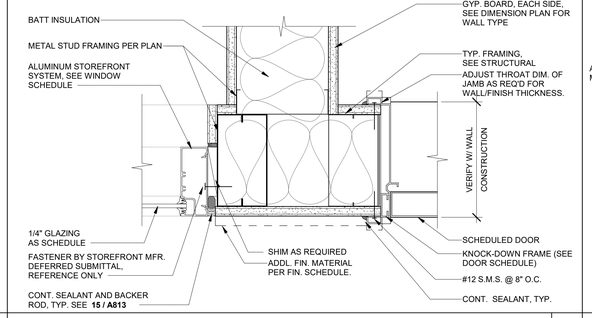


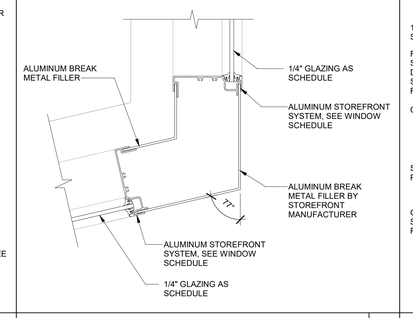
H.M. INT. WINDOW SILL AT FLOOR 3" = 1'-0" 30



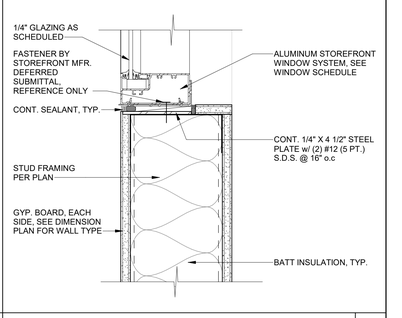
INT. STOREFRONT SILL - 2F FACE OF WALL 3" = 1'-0" 20



INT. DOOR/WINDOW JAMB AT WALL INTERSECTION 3" = 1'-0" 15



INT. STOREFRONT ANGLE CORNER 3" = 1'-0" 10



INT. ALUM. WINDOW SILL 3" = 1'-0" 5

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22-12499

DRAWING
A814

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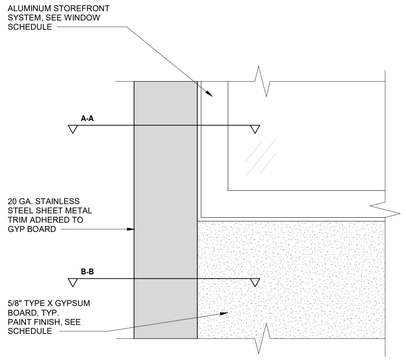
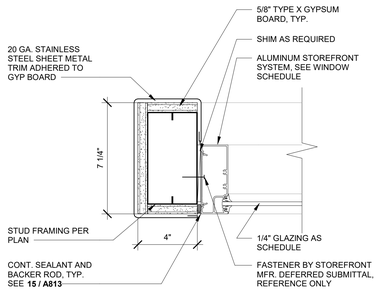
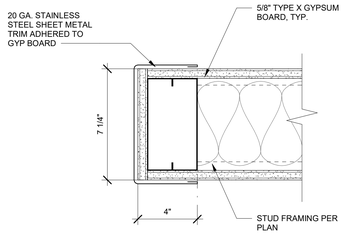


ELEVATION



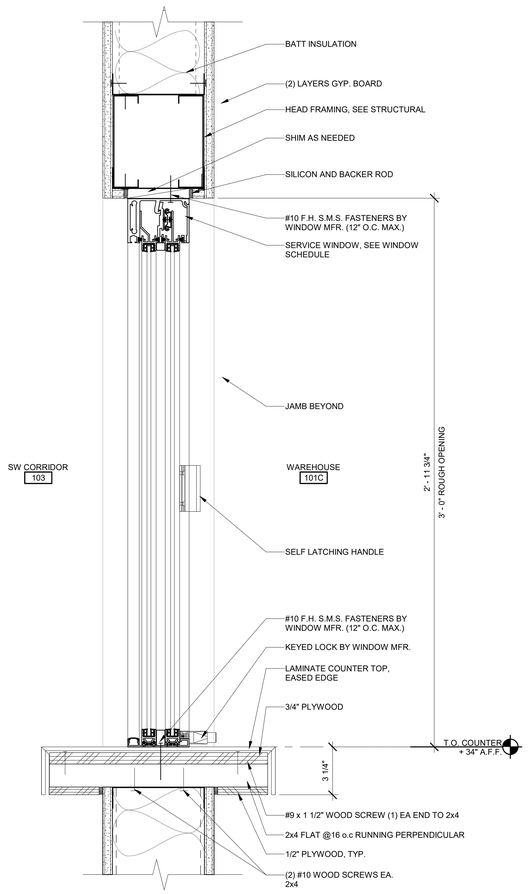
SECTION A-A



SECTION B-B

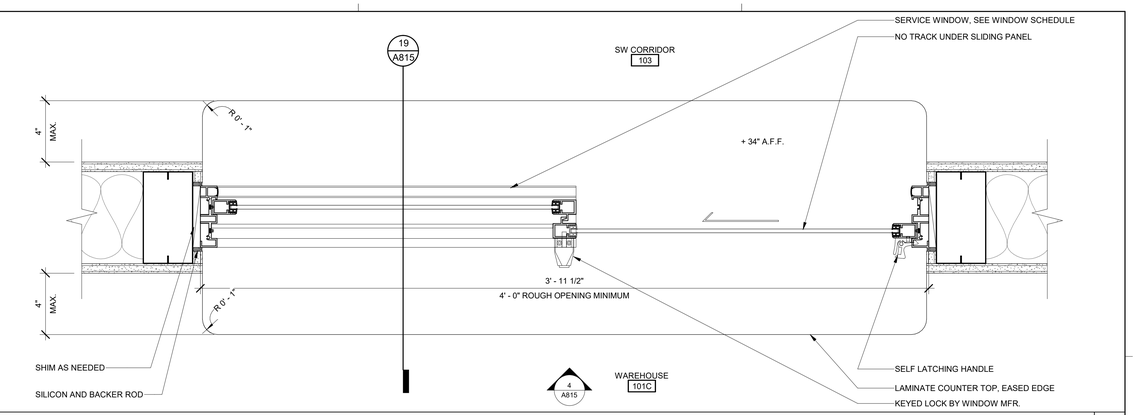
STOREFRONT JAMB CLOSURE

3" = 1'-0" | 24



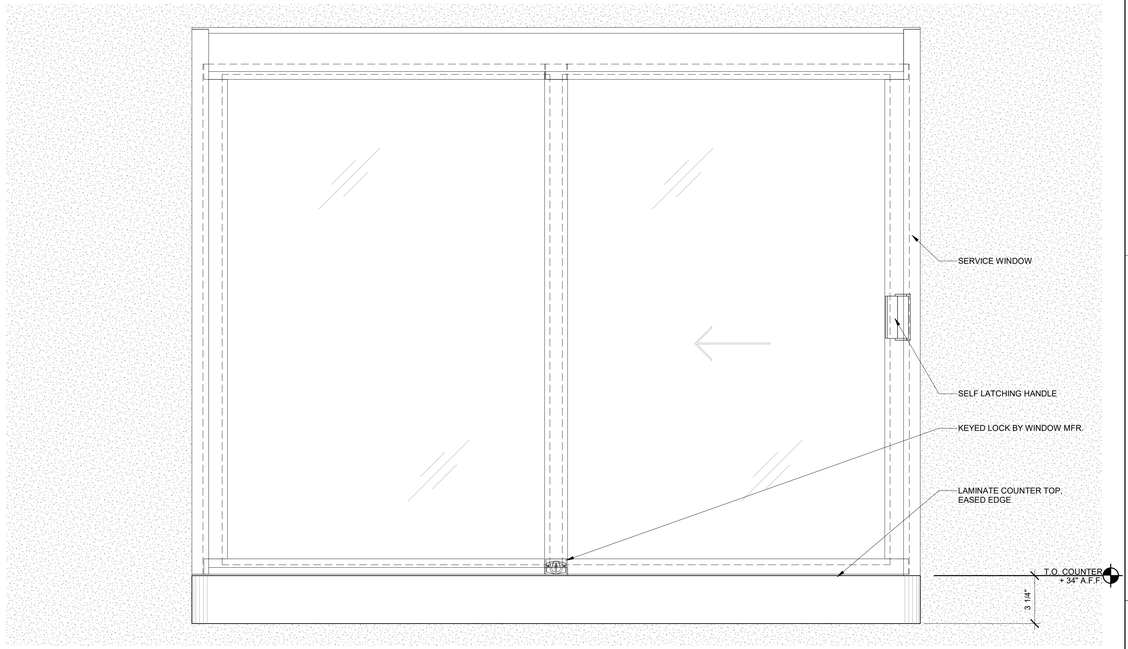
SERVICE WINDOW - SECTION

3" = 1'-0" | 19



SERVICE WINDOW - PLAN

3" = 1'-0" | 2



SERVICE WINDOW - ELEVATION

3" = 1'-0" | 4

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22-12499

DRAWING
A815

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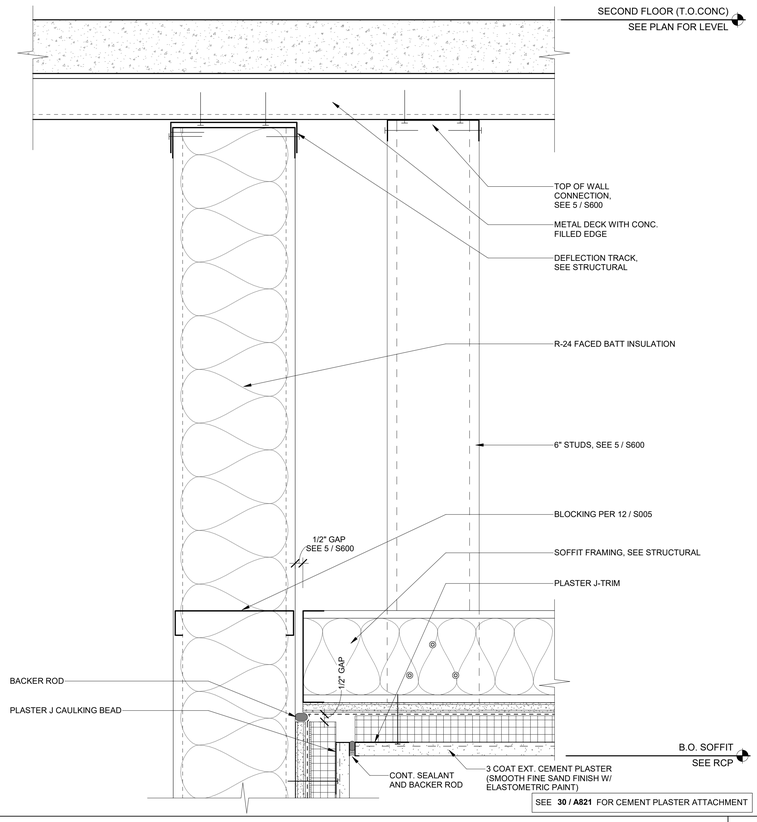
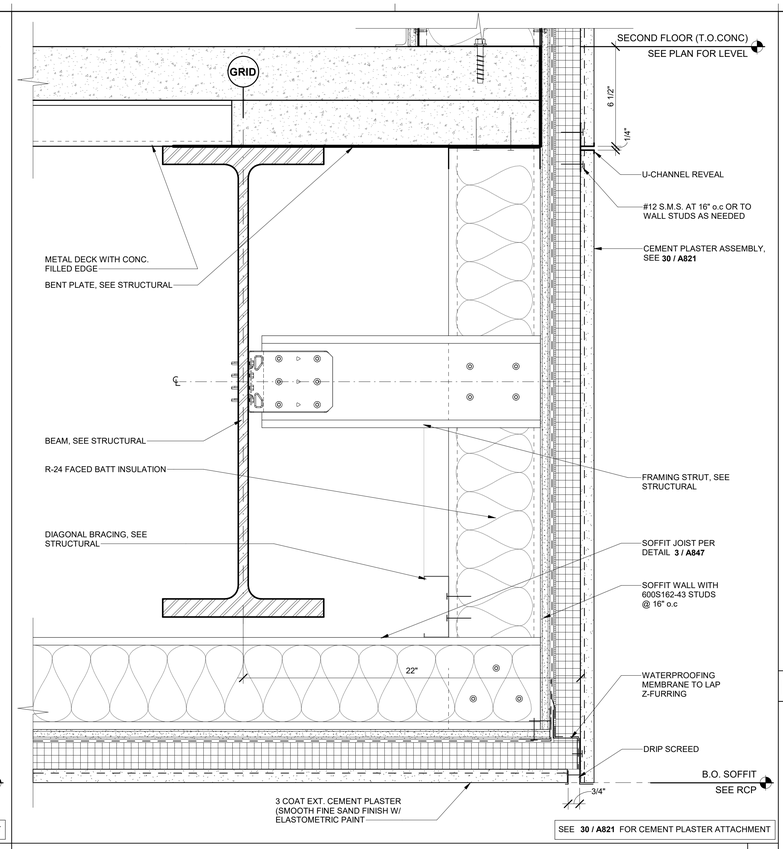
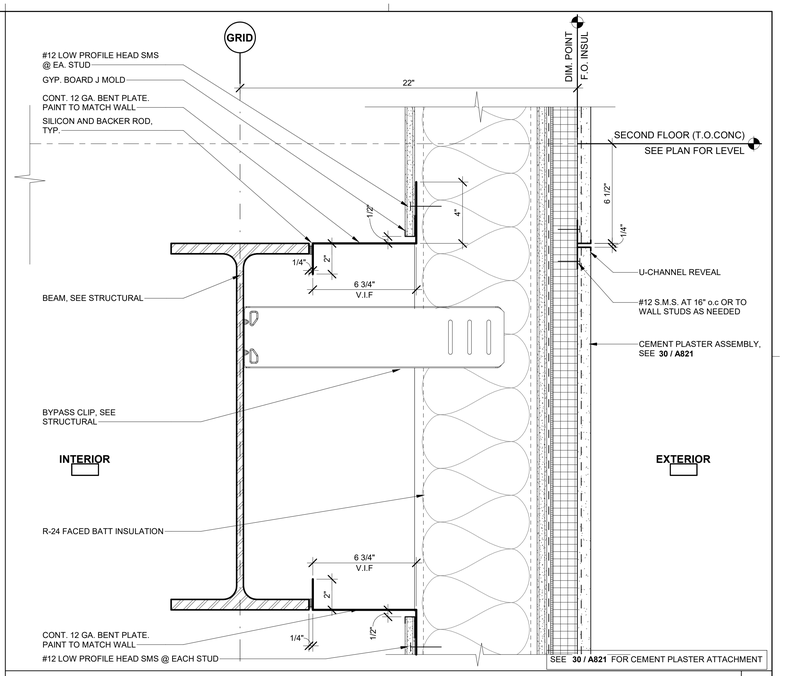


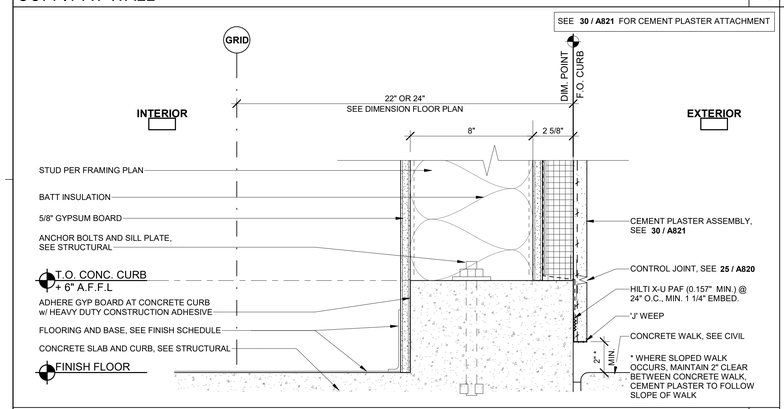
SOFFIT AT WALL — 3" = 1'-0" — 23



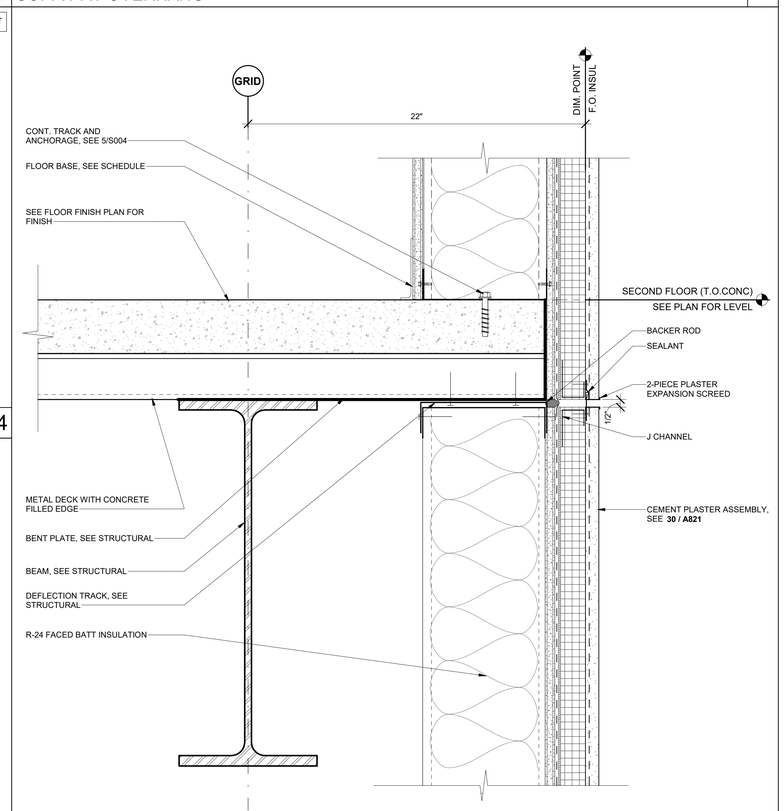
SOFFIT AT OVERHANG — 3" = 1'-0" — 13



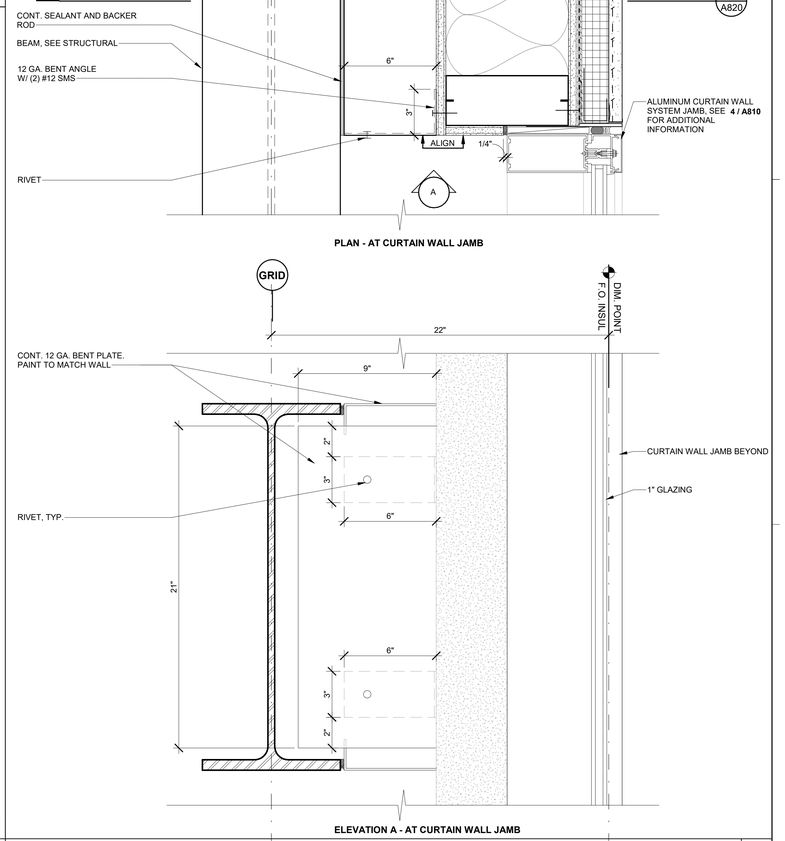
EXTERIOR WALL AT 2F BYPASS CLIP — 3" = 1'-0" — 3



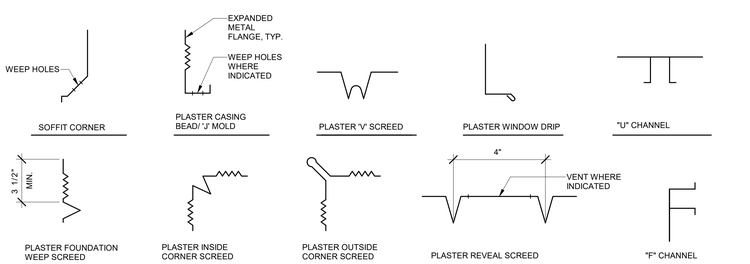
EXTERIOR CONC. CURB — 3" = 1'-0" — 24



EXPANSION SCREED AT EXTERIOR WALL — 3" = 1'-0" — 15



METAL CLOSURE AT BEAM — 3" = 1'-0" — 5



NOTES:
ALL PLASTER ACCESSORY SHAPES ARE TO BE MADE FROM 24 GAGE MINIMUM GALVANIZED SHEET METAL.
ALL PLASTER 'J' MOLD/CASING BEADS USED AT THE HEAD OF DOORS, WINDOWS, & SIMILAR OPENINGS SHALL HAVE WEEP HOLES TO PERMIT DRAINAGE OF WATER.

PLASTER ACCESSORIES, TYP. — 1" = 1'-0" — 25

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DRAWING TITLE
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22-12499

DRAWING
A820

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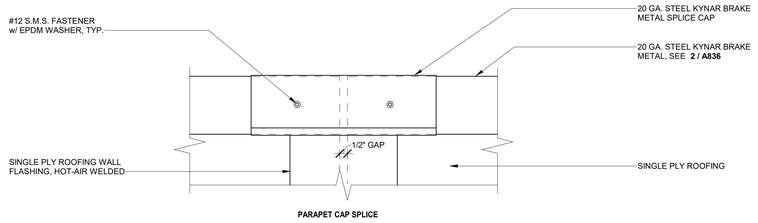
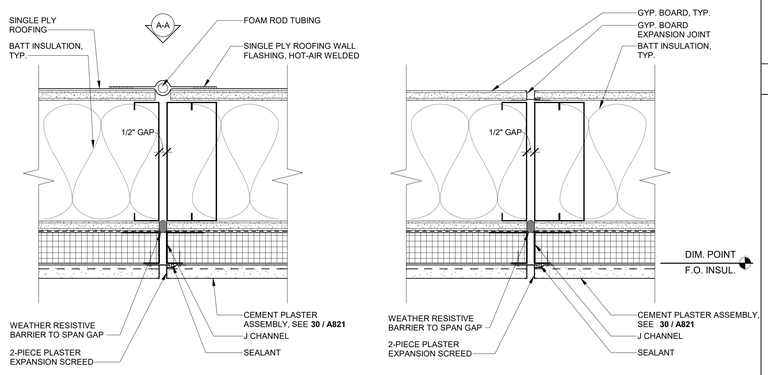


PARAPET CAP SPLICE



JOINT AT SINGLE PLY ROOFING

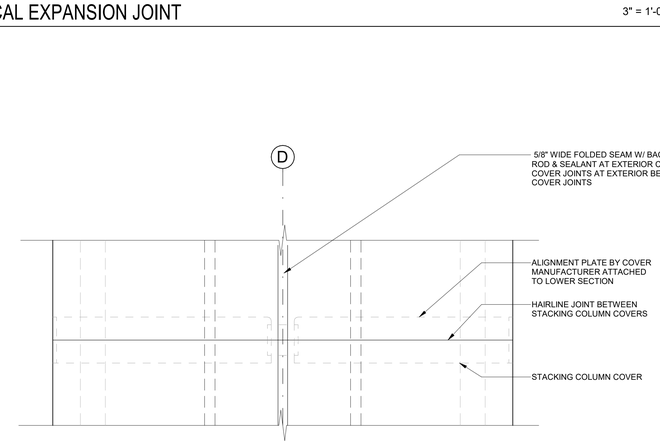
JOINT AT GYPSUM BOARD

VERTICAL EXPANSION JOINT

3" = 1'-0" | 17

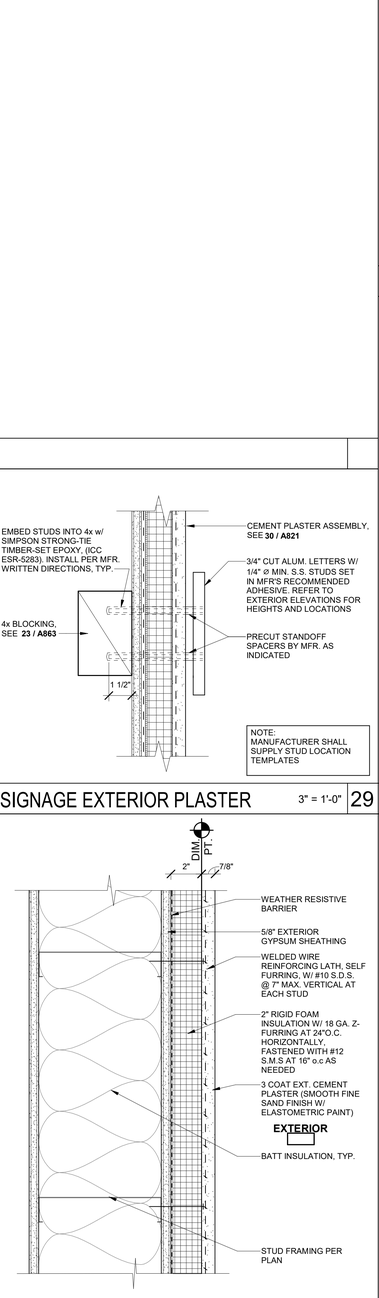
SIGNAGE EXTERIOR PLASTER

3" = 1'-0" | 29



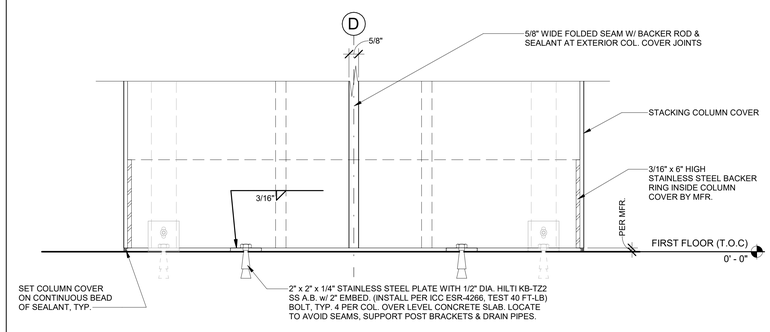
COLUMN COVER HORIZONTAL STACKING JOINTS

3" = 1'-0" | 19



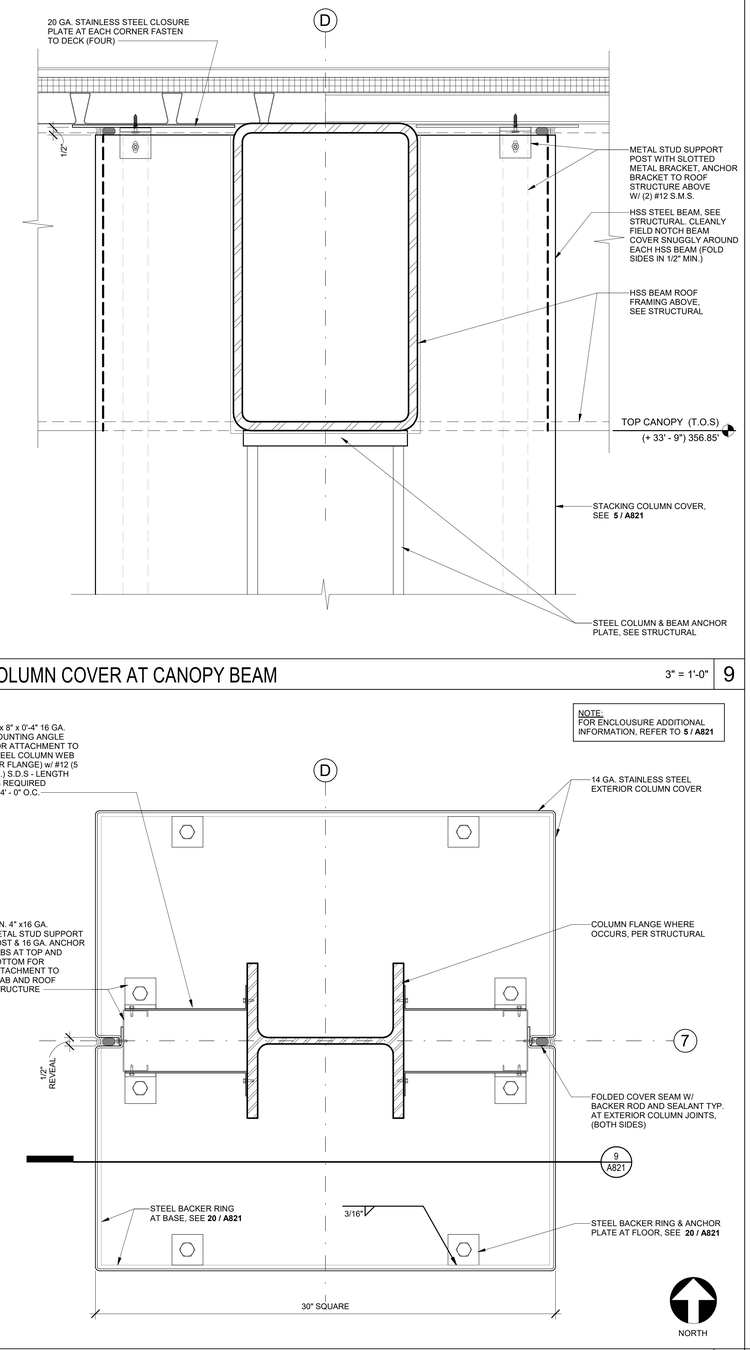
CEMENT PLASTER ATTACHMENT

3" = 1'-0" | 30



COLUMN COVER AT BASE

3" = 1'-0" | 20

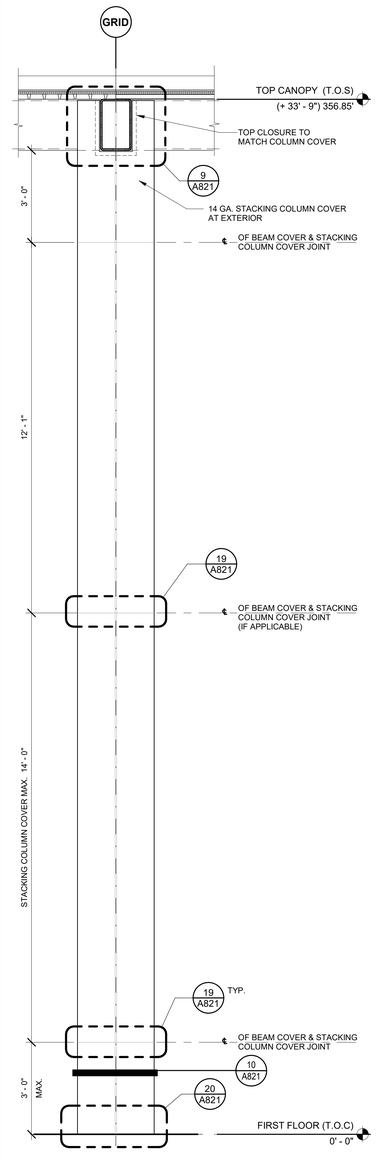


COLUMN COVER AT CANOPY BEAM

3" = 1'-0" | 9

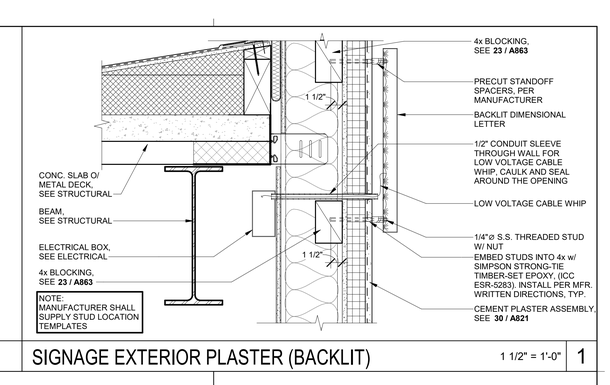
EXTERIOR COLUMN - PLAN

3" = 1'-0" | 10



COLUMN COVER ELEVATION

1/2" = 1'-0" | 5



SIGNAGE EXTERIOR PLASTER (BACKLIT)

1 1/2" = 1'-0" | 1

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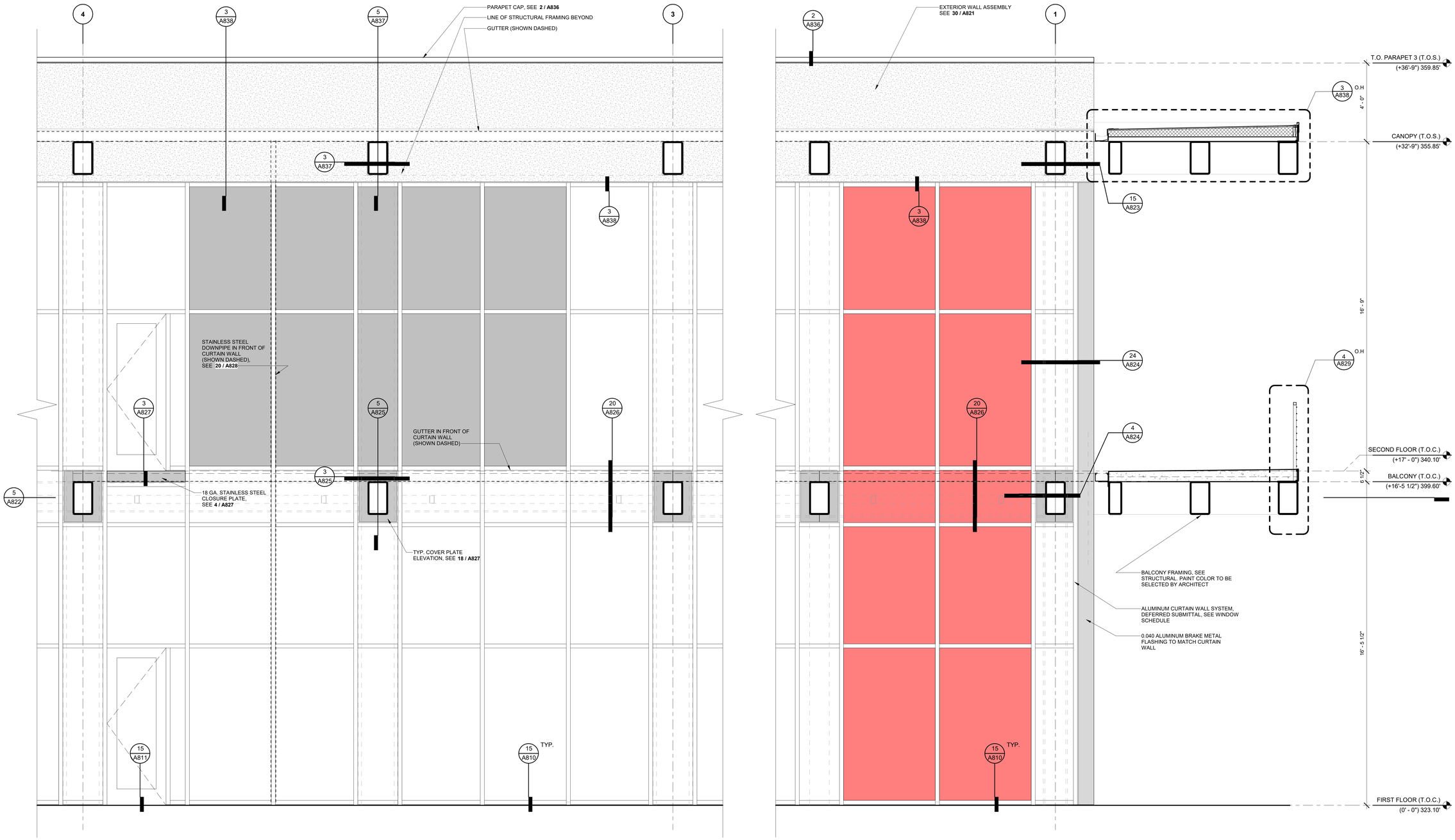
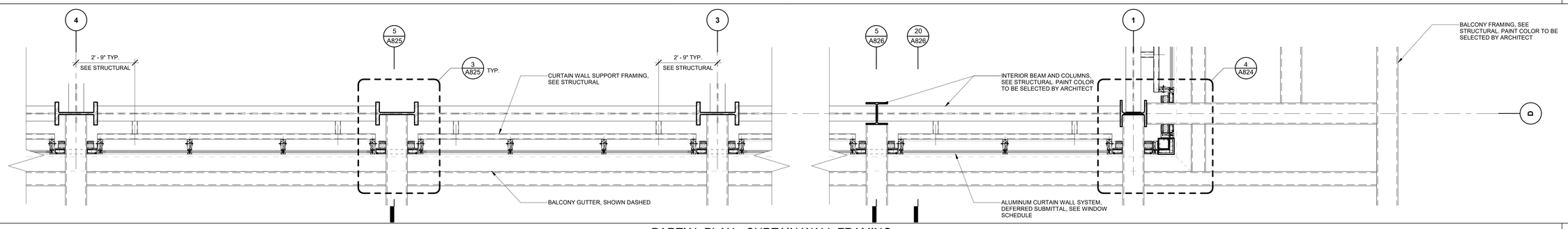


PARTIAL ELEVATION - CURTAIN WALL — 1/2" = 1'-0" — 4



PARTIAL PLAN - CURTAIN WALL FRAMING — 1/2" = 1'-0" — 5

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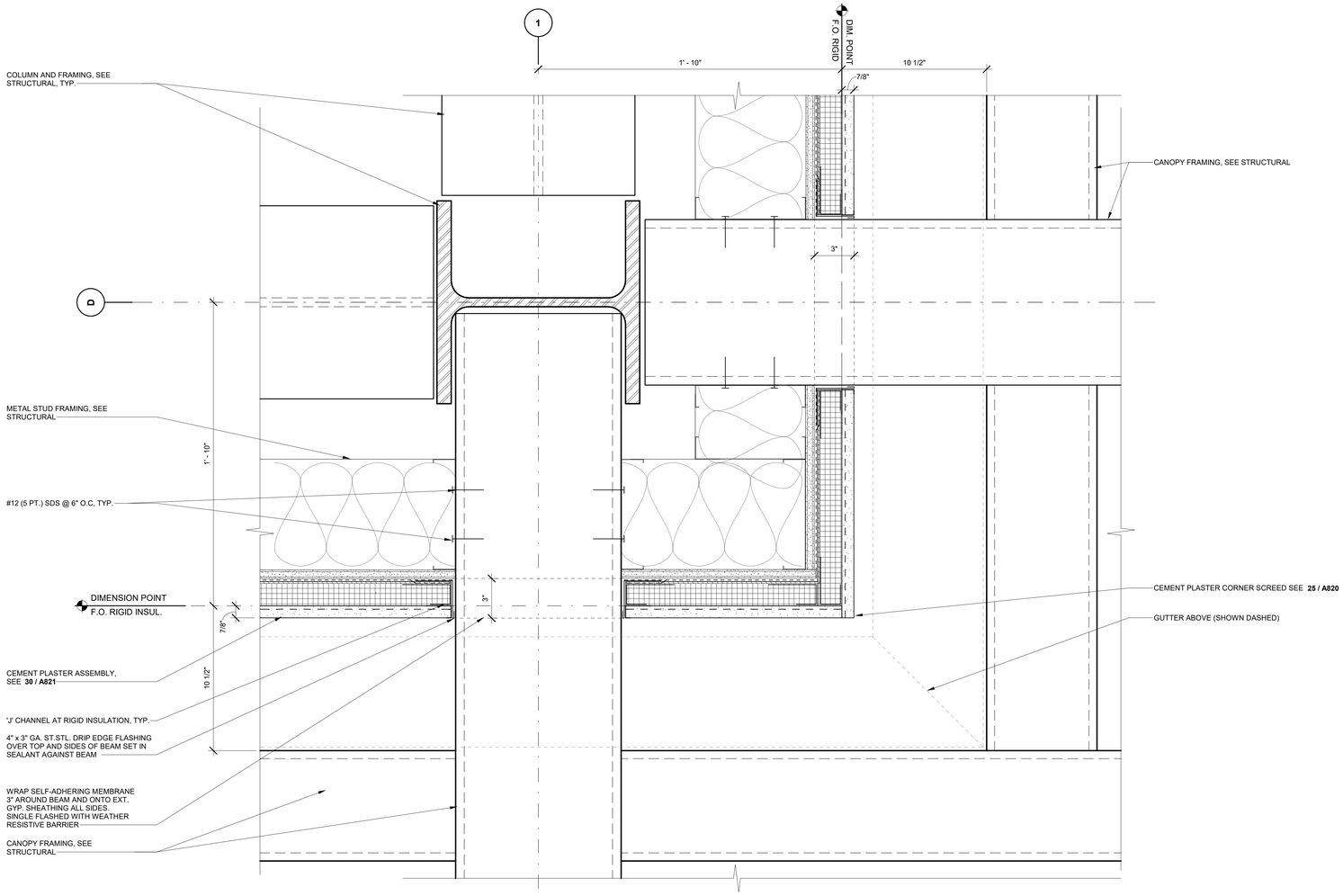
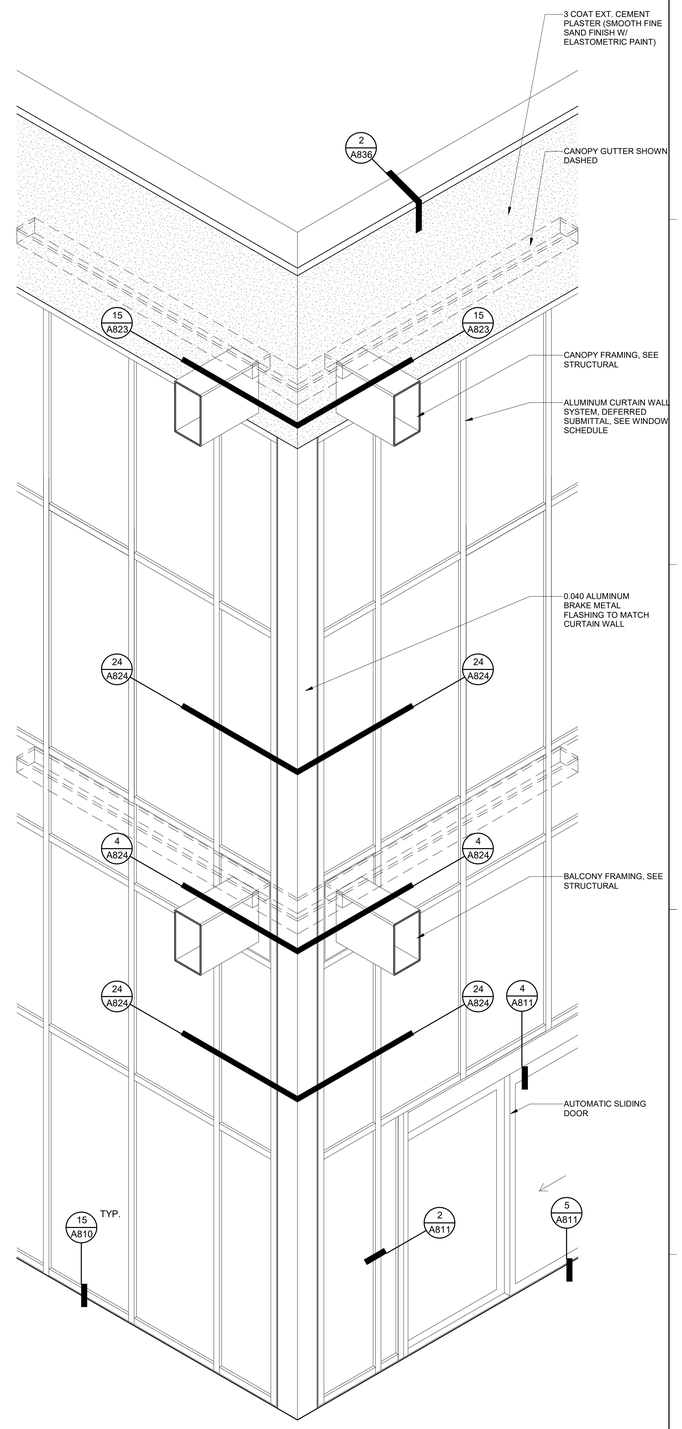


PLAN - BEAM PENETRATION AT CORNER ABOVE CURTAIN WALL

3" = 1'-0"

15



CURTAIN WALL CORNER ISOMETRIC VIEW

1/2" = 1'-0"

5

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A823

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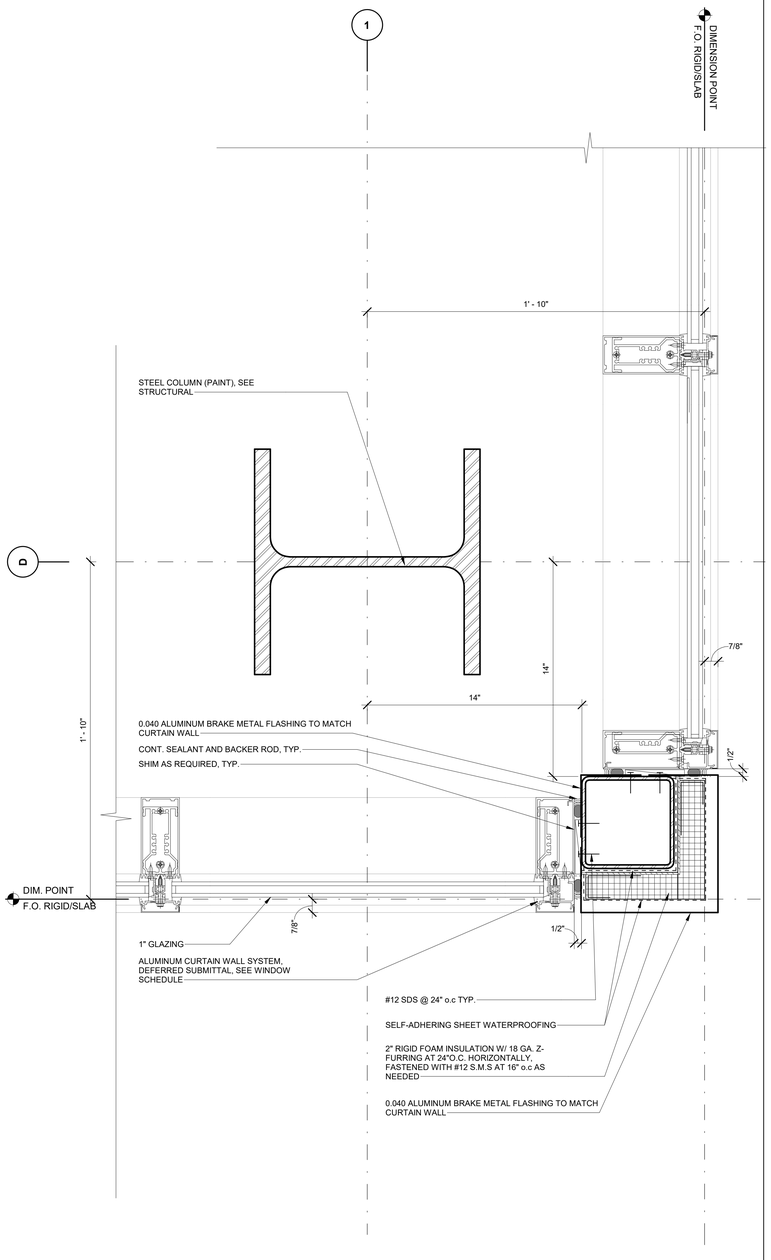
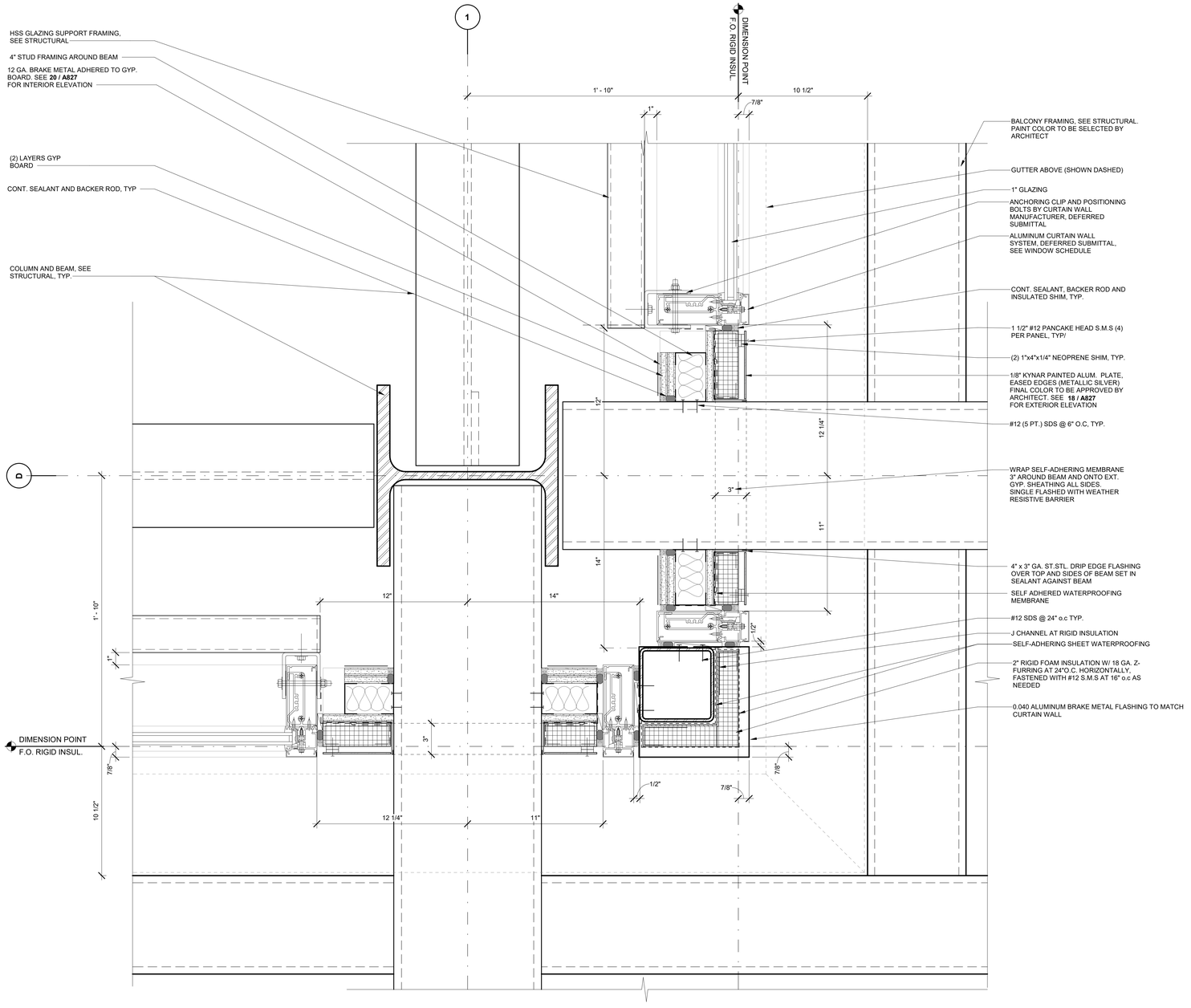


PLAN - CURTAIN WALL GLAZING CORNER 3" = 1'-0" | 24



PLAN - BEAM PENETRATION AT 2F CORNER 3" = 1'-0" | 4

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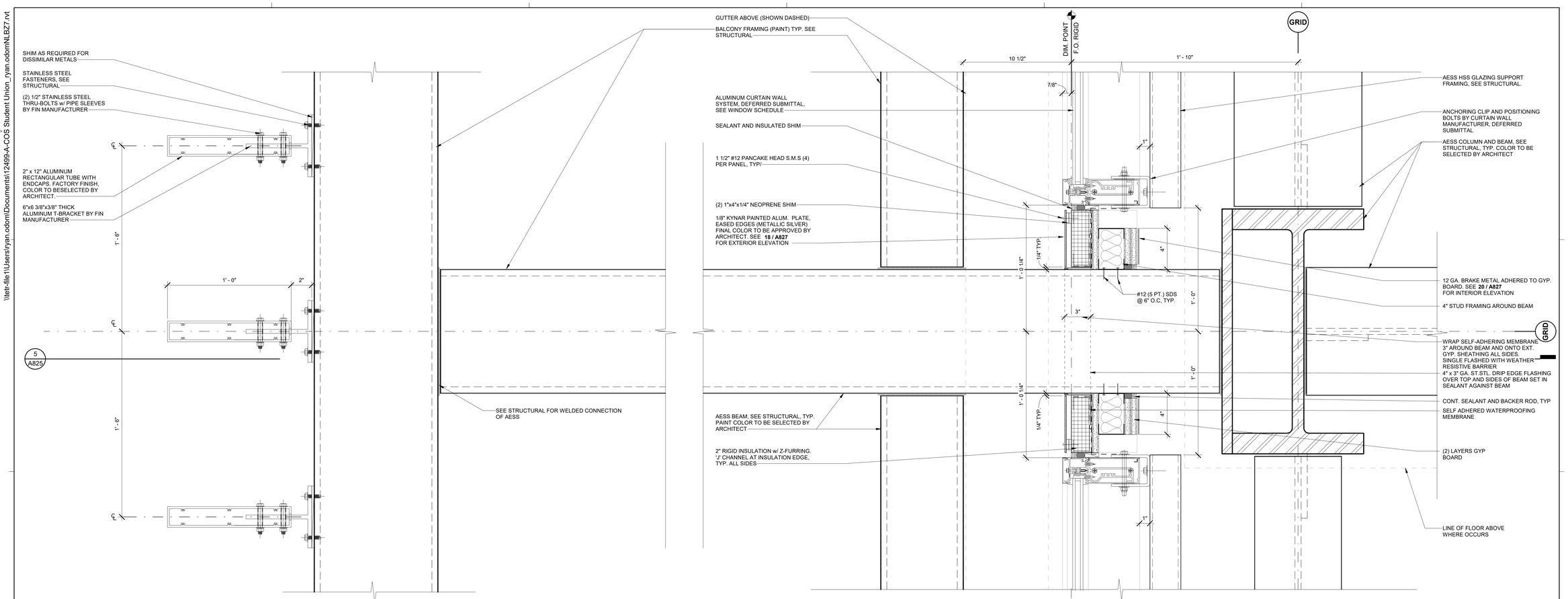
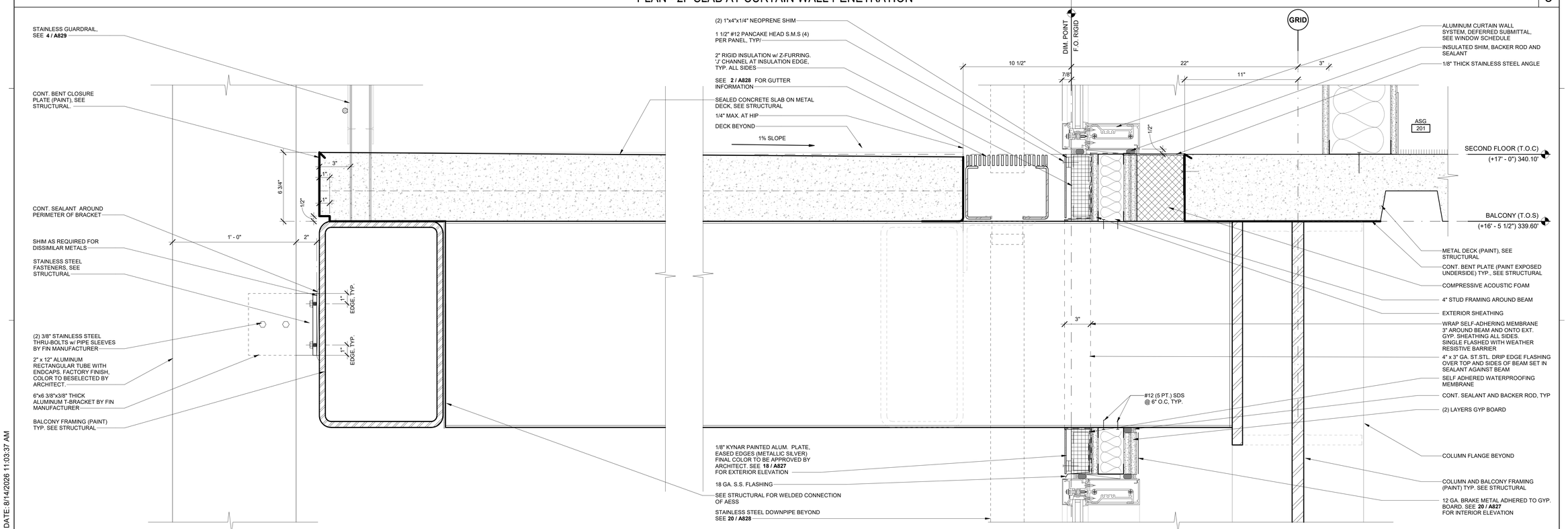


PLAN - 2F SLAB AT CURTAIN WALL PENETRATION

3" = 1'-0" | 3



SECTION - 2F SLAB AT CURTAIN WALL PENETRATION

3" = 1'-0" | 5

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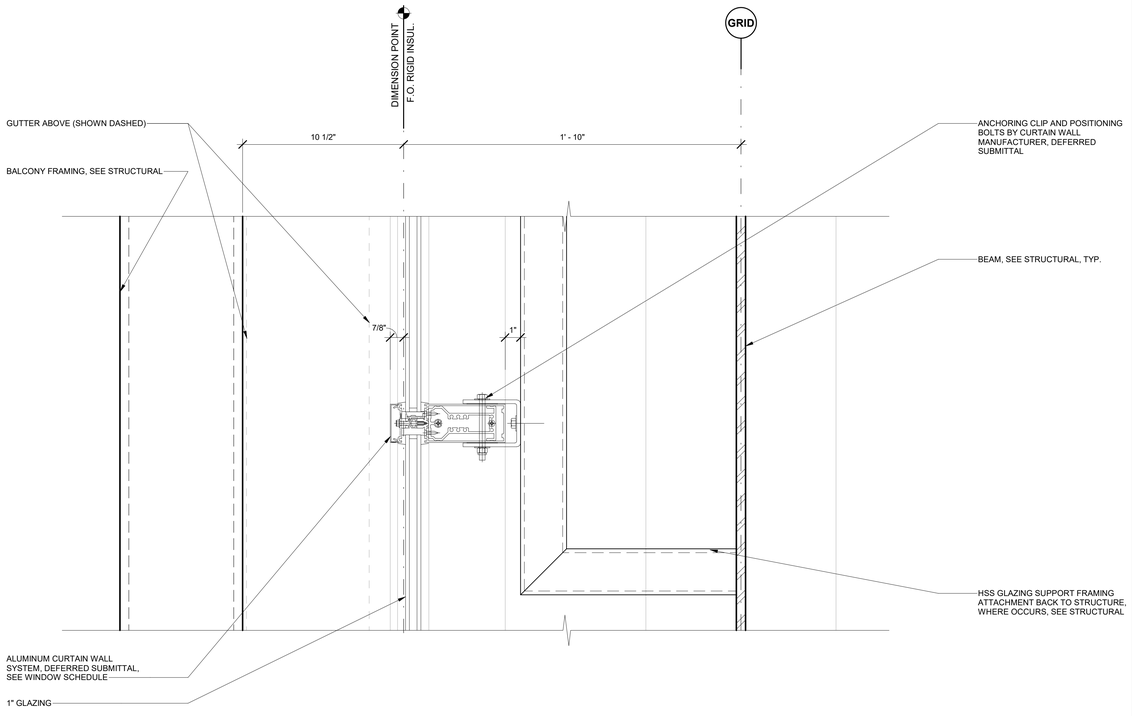
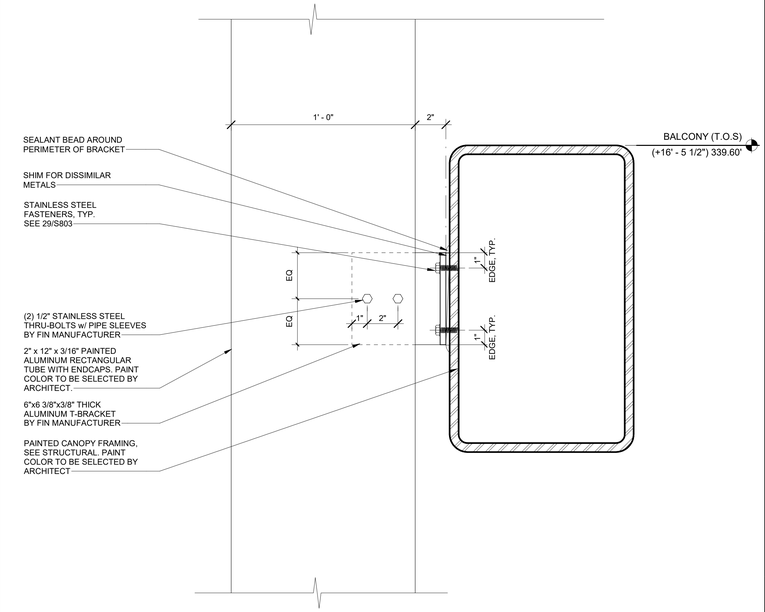
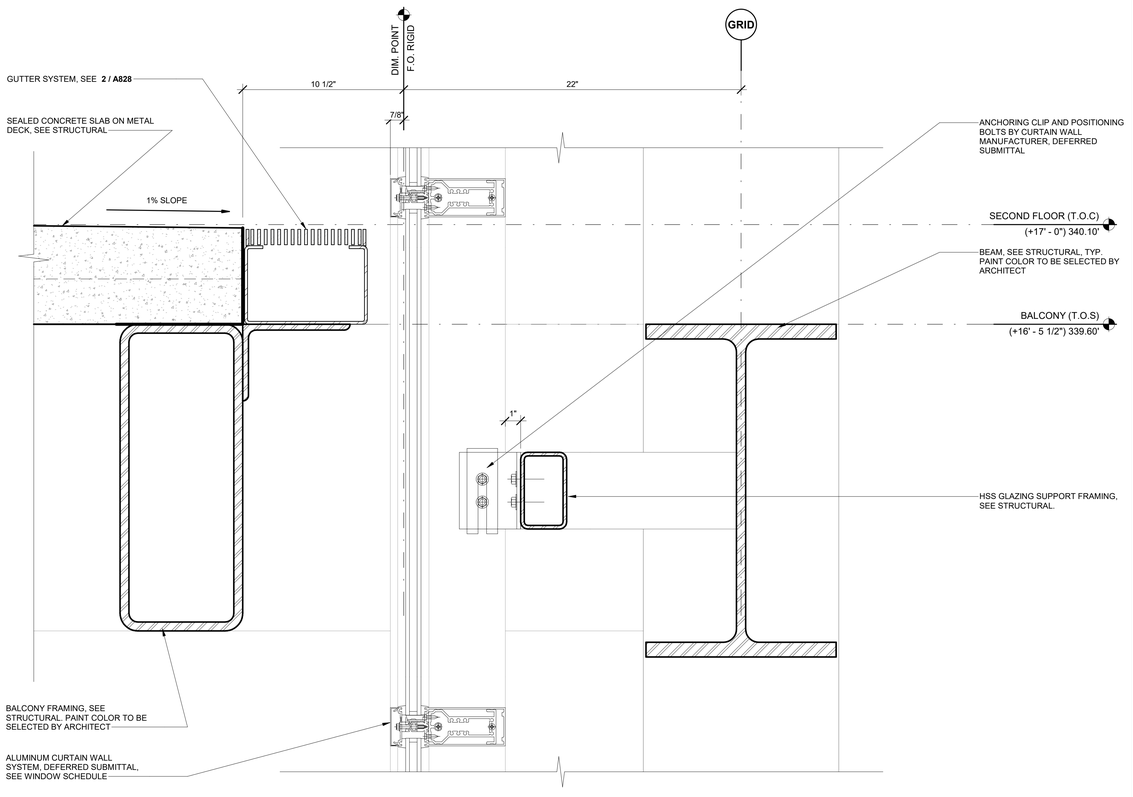


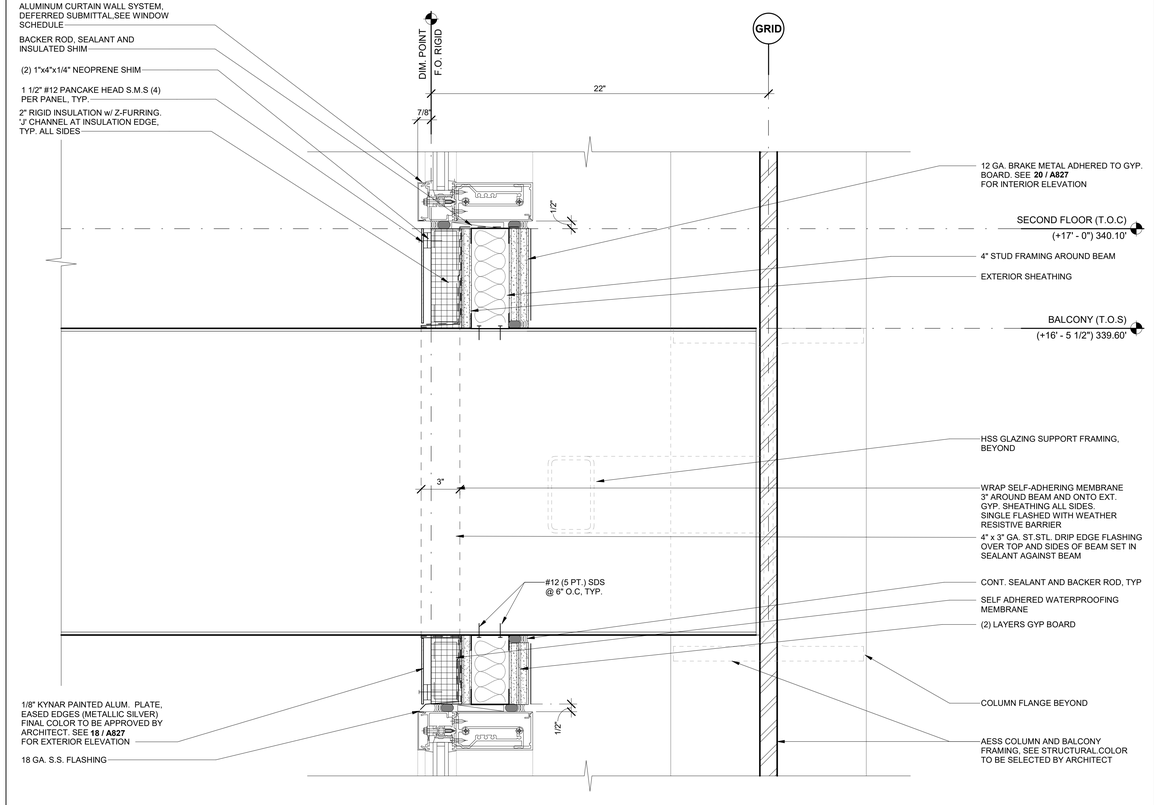
PLAN - 2F BALCONY AT CURTAIN WALL — 3" = 1'-0" — 18



VERTICAL FIN ATTACHMENT TO HSS — 3" = 1'-0" — 3



SECTION - 2F BALCONY AT CURTAIN WALL — 3" = 1'-0" — 20



SECTION - 2F PENETRATION AT CURTAIN WALL — 3" = 1'-0" — 5

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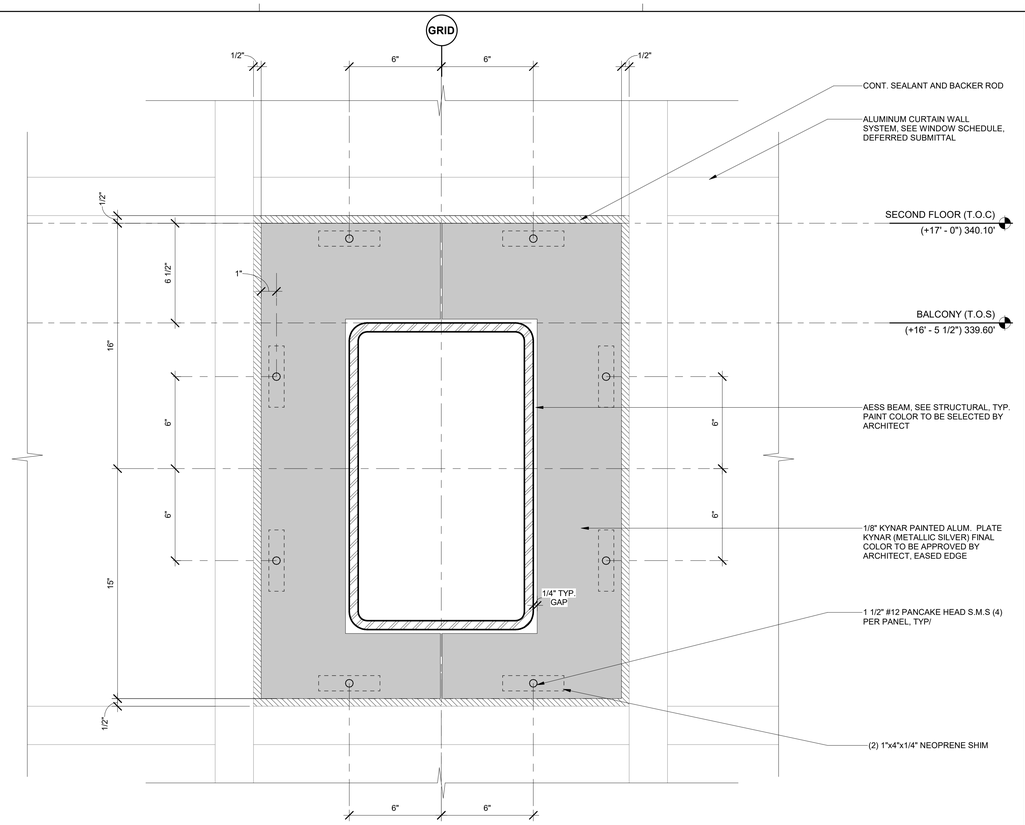
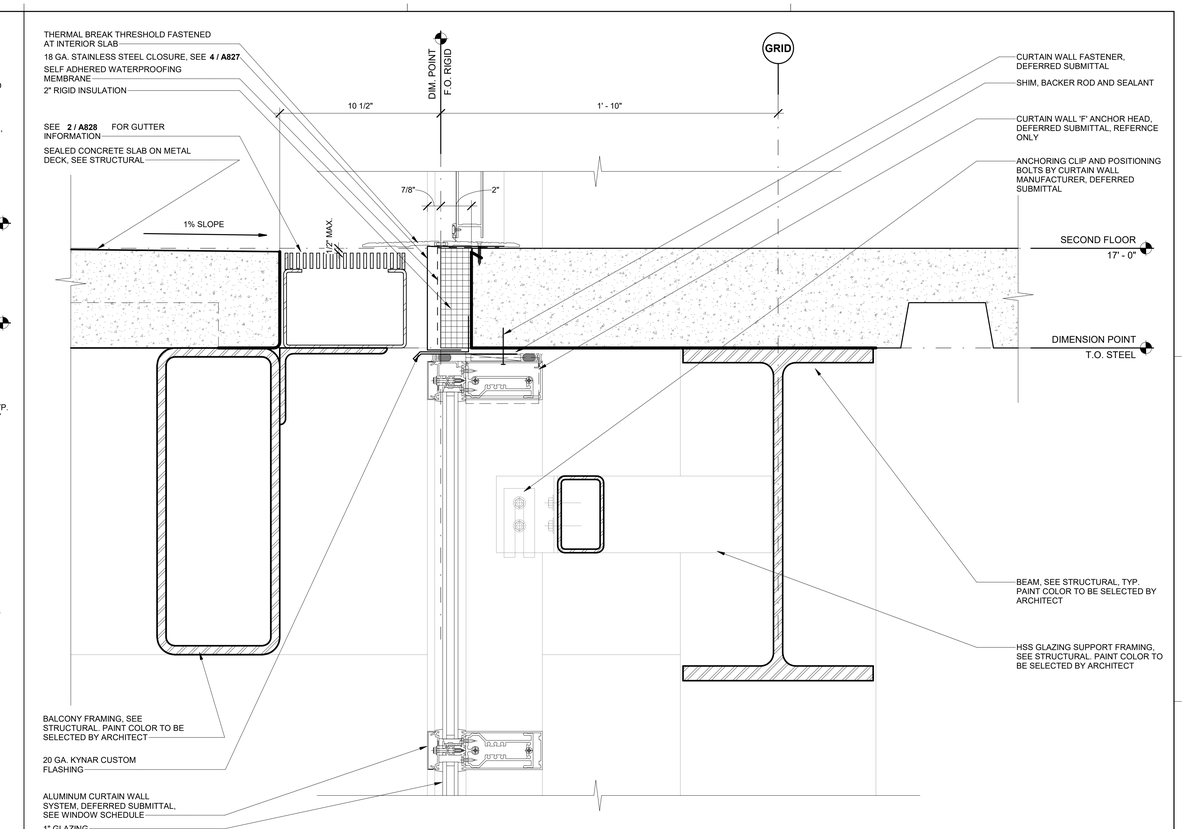
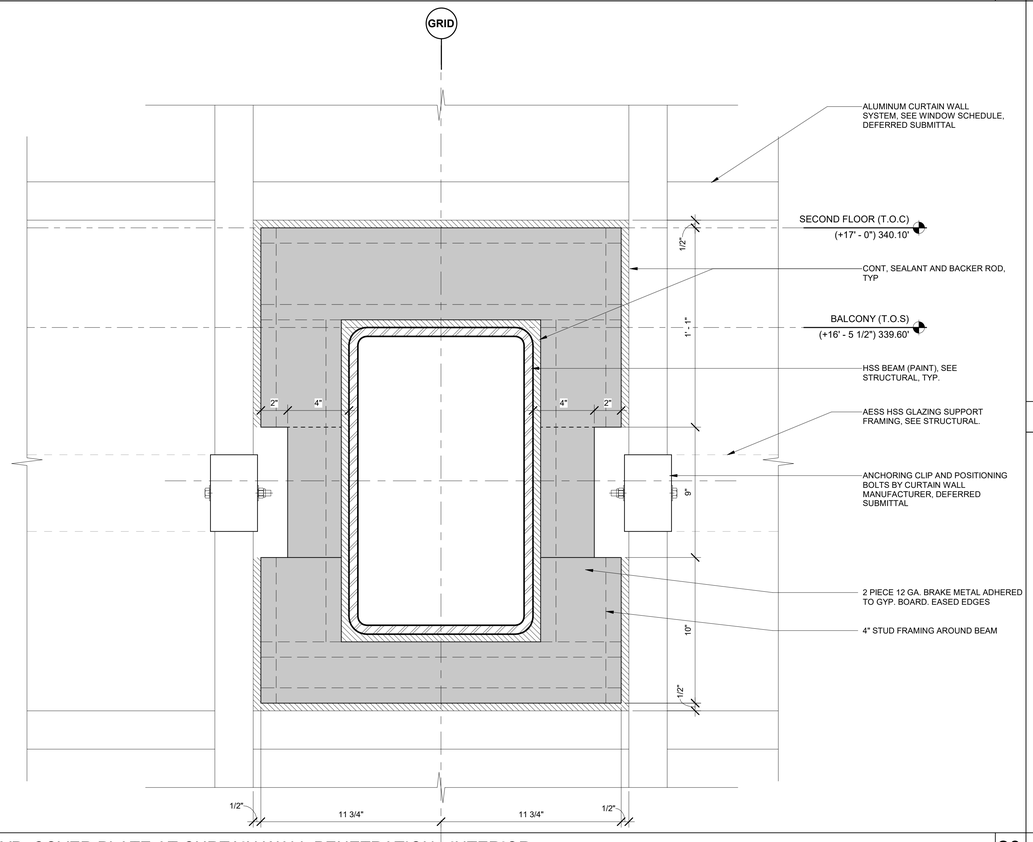


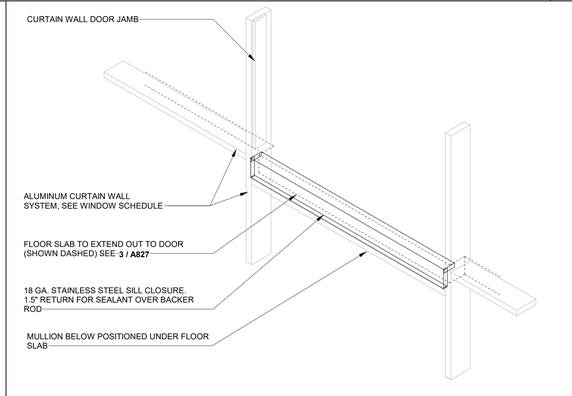
ELEVATION - TYP. COVER PLATE AT CURTAIN WALL PENETRATION - EXTERIOR — 3" = 1'-0" — 18



DOOR THRESHOLD AT THERMAL BREAK — 3" = 1'-0" — 3



ELEVATION - TYP. COVER PLATE AT CURTAIN WALL PENETRATION - INTERIOR — 3" = 1'-0" — 20



CLOSURE CONDITION AT DOOR THRESHOLD — 1/2" = 1'-0" — 4

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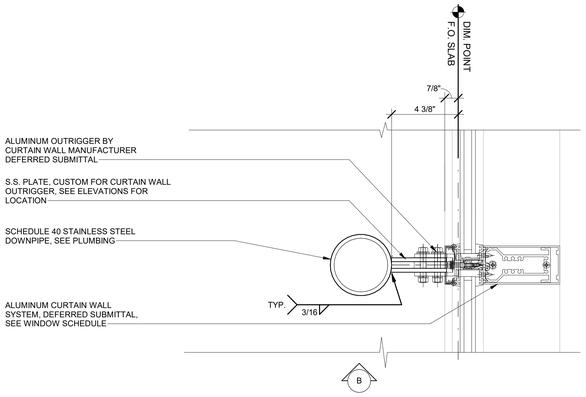
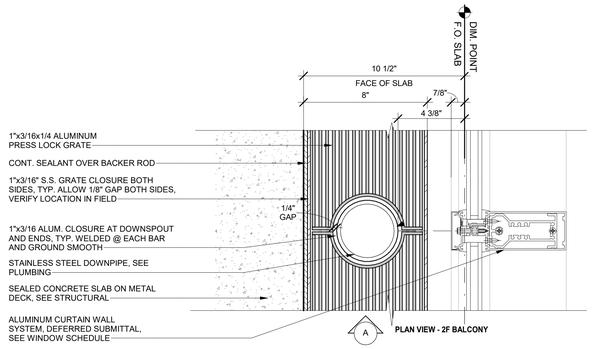


PLAN VIEW - 2F BALCONY



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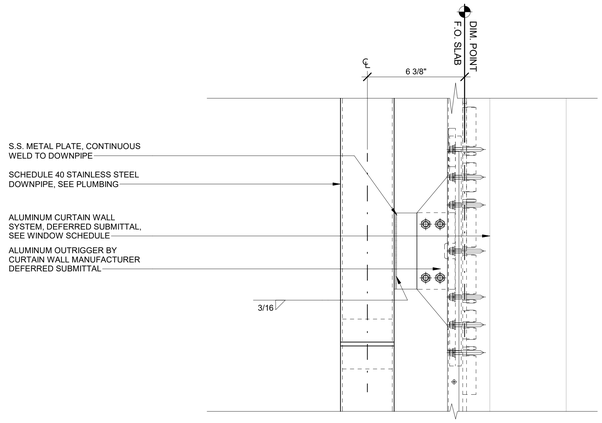
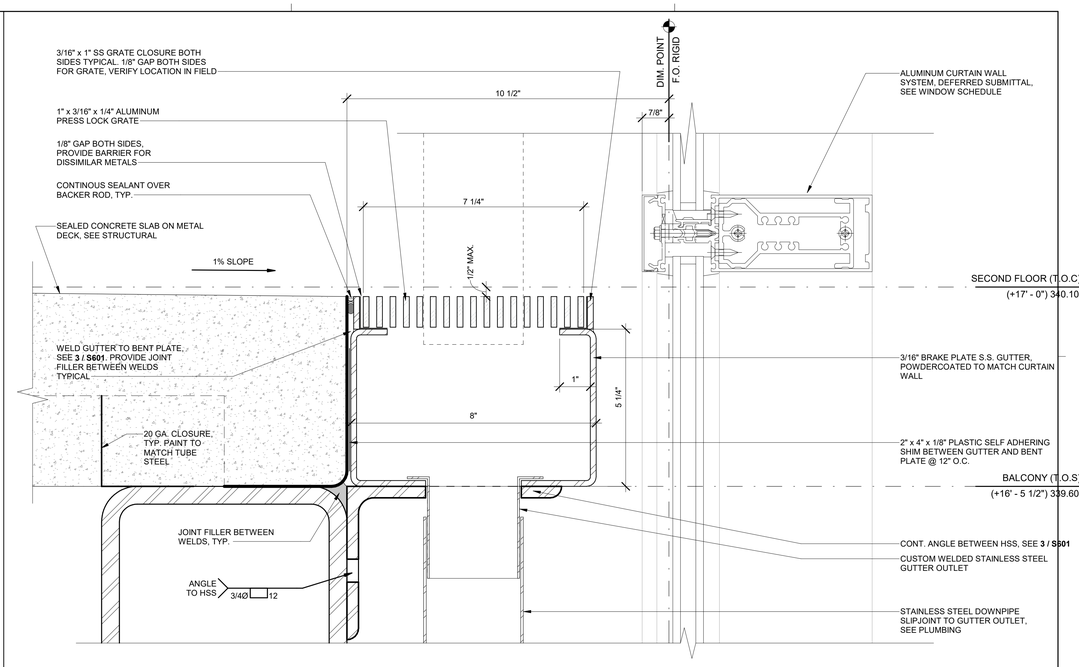
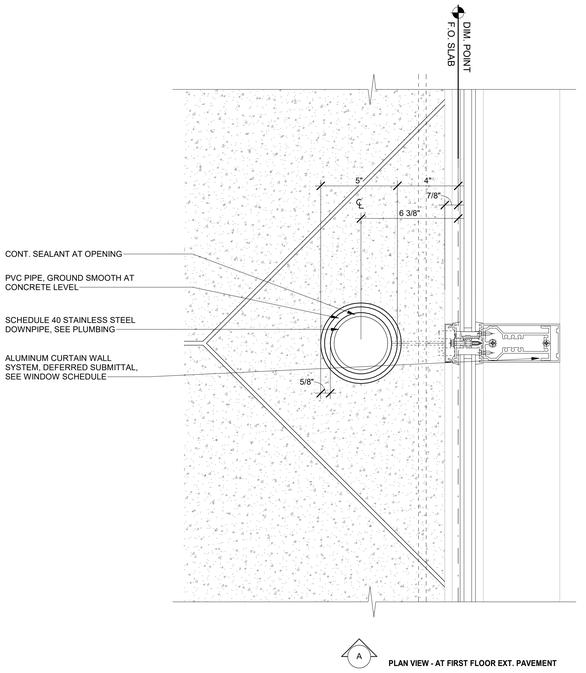


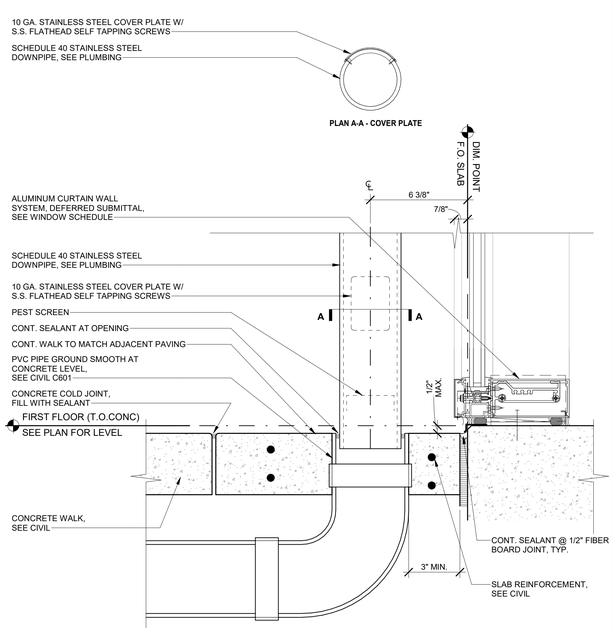
SECTION B - ATTACHMENT TO CURTAIN WALL



GUTTER - SECTION 6" = 1'-0" | 2

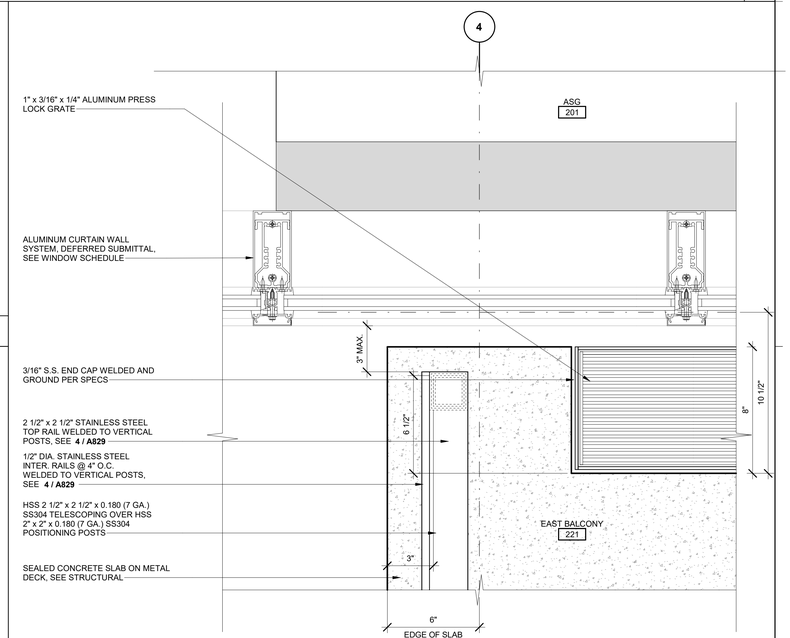


PLAN VIEW - AT FIRST FLOOR EXT. PAVEMENT

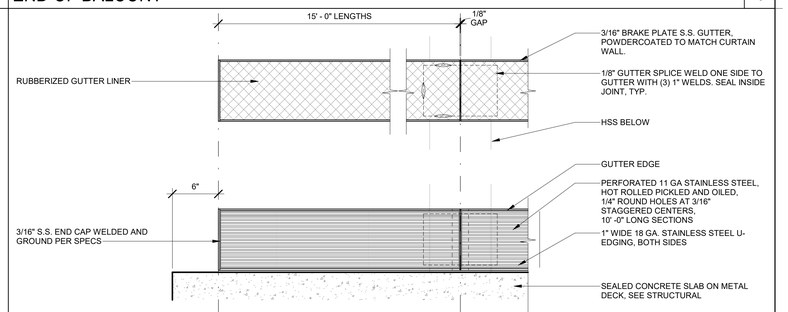


SECTION A - EXT. PAVEMENT PENETRATION

EXT. CURTAIN WALL DOWNPIPE 3" = 1'-0" | 20



END OF BALCONY 3" = 1'-0" | 4



GUTTER - PLAN 1 1/2" = 1'-0" | 5

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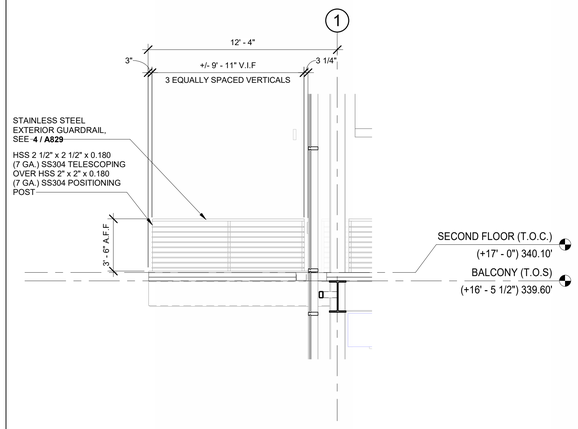
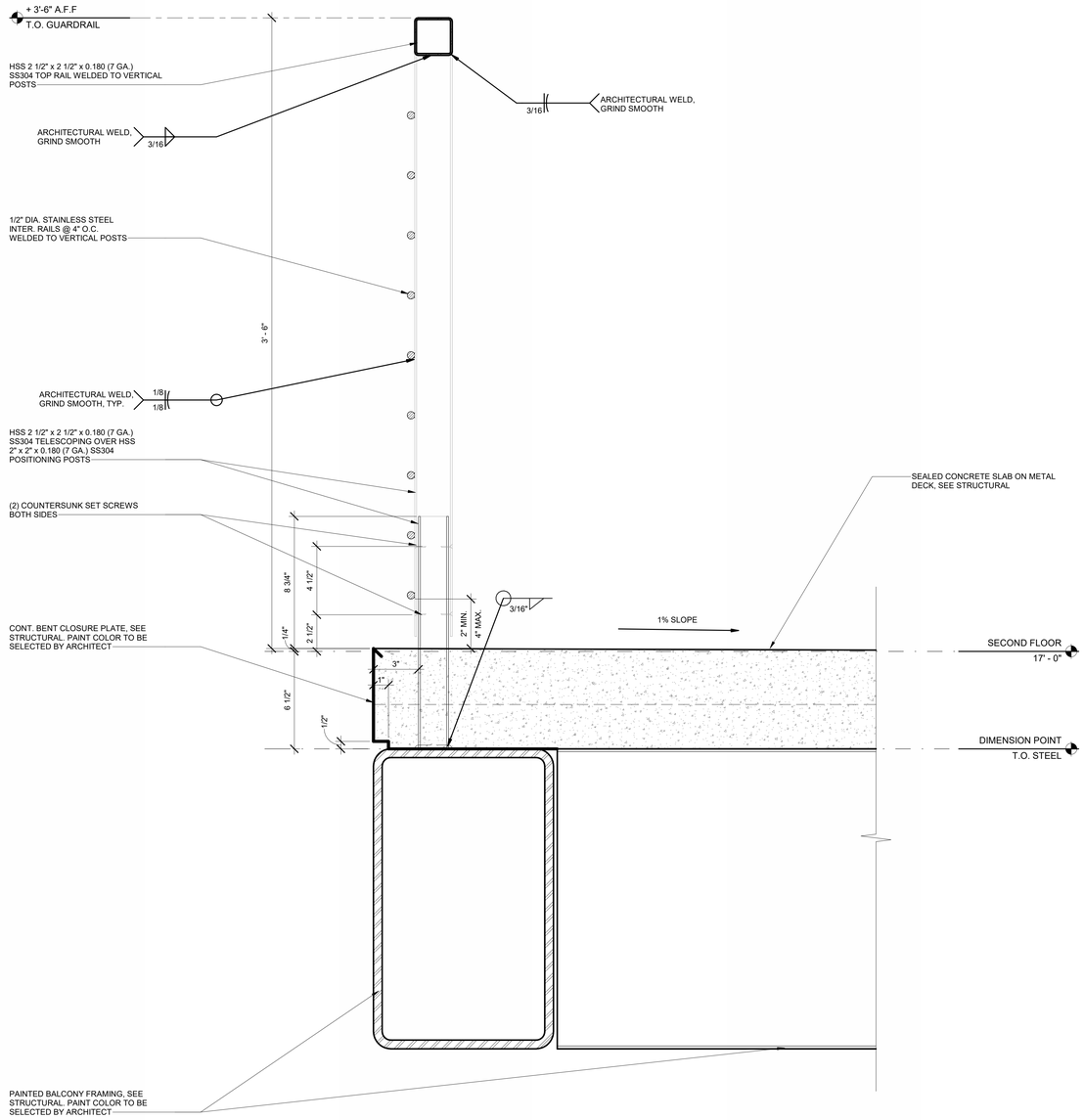


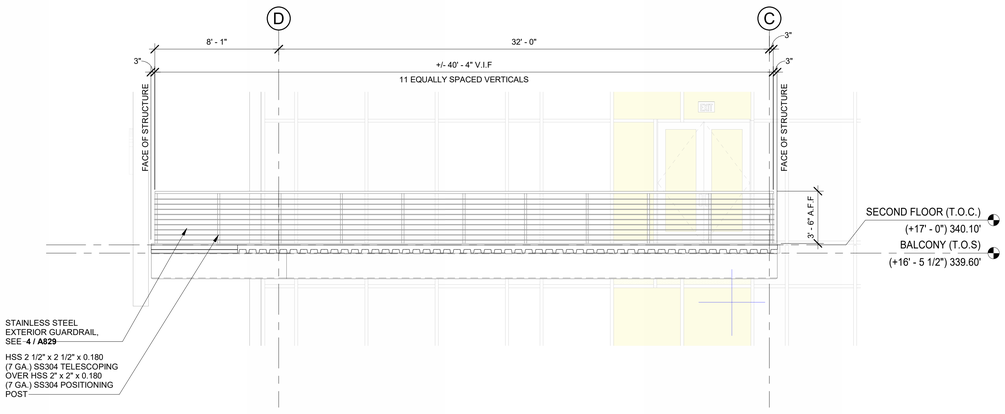
EXTERIOR BALCONY - WEST ELEVATION

1/4" = 1'-0" | 17



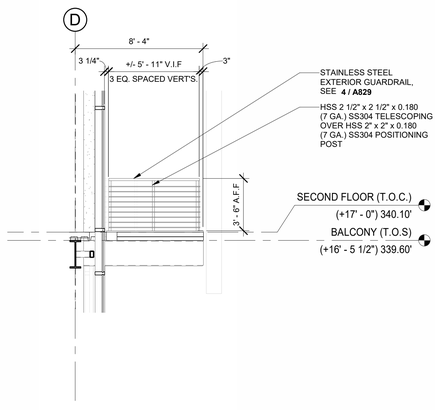
EXTERIOR BALCONY GUARDRAIL

3" = 1'-0" | 4



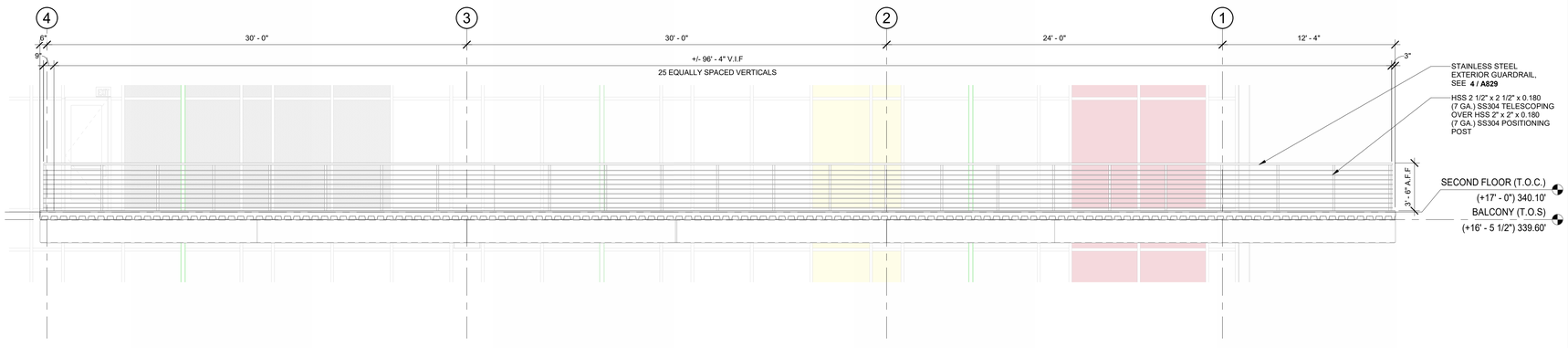
EXTERIOR BALCONY GUARDRAIL - NORTH ELEVATION

1/4" = 1'-0" | 19



EXTERIOR BALCONY GUARDRAIL - SOUTH ELEVATION

1/4" = 1'-0" | 25



EXTERIOR BALCONY GUARDRAIL - EAST ELEVATION

1/4" = 1'-0" | 5

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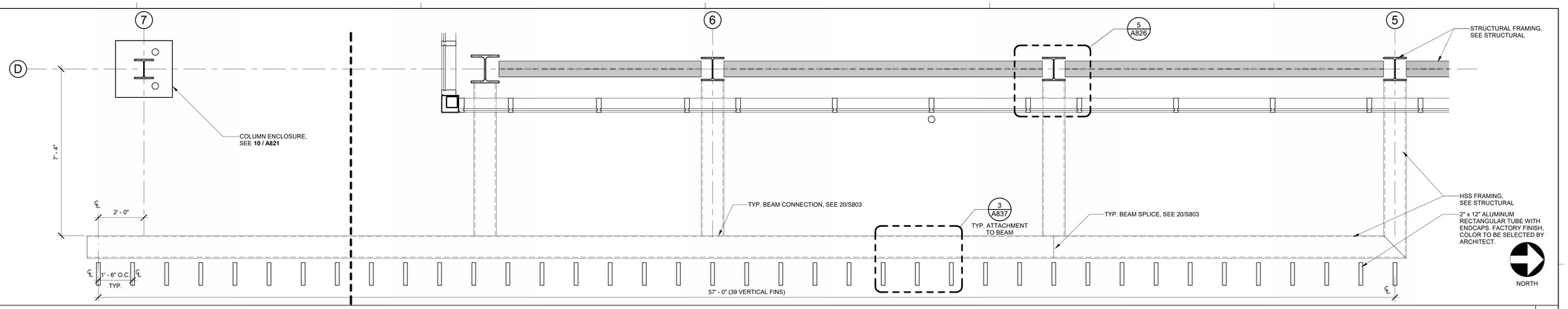
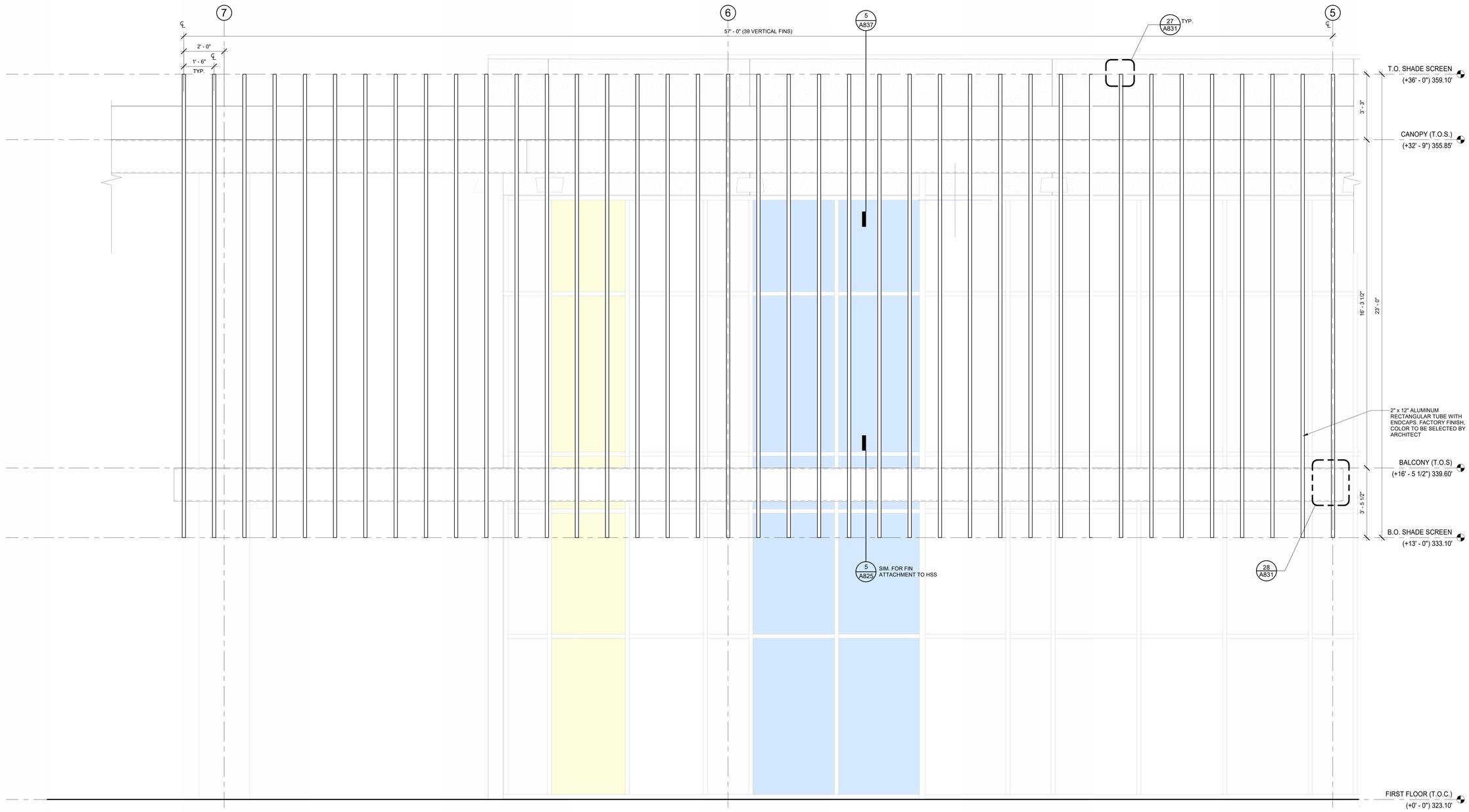


PLAN - VERTICAL BRISE SOLIEL

1/2" = 1'-0" | 2



EAST ELEVATION - VERTICAL BRISE SOLIEL

1/2" = 1'-0" | 5

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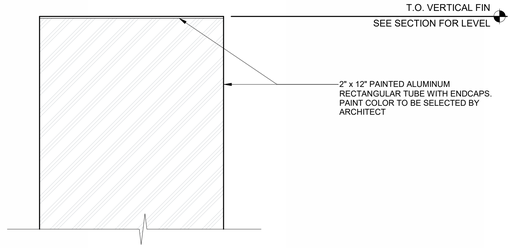
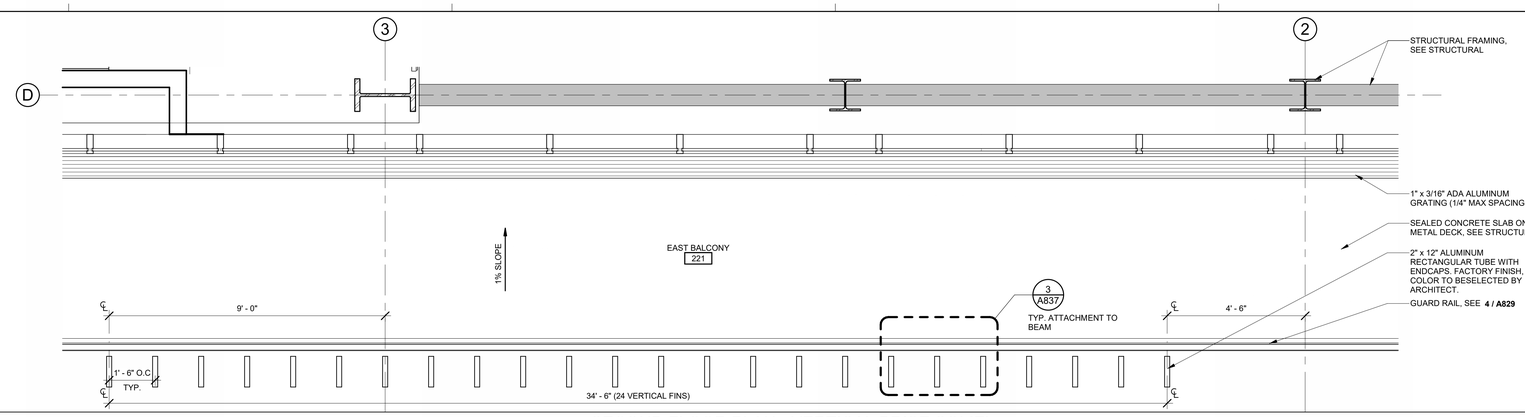
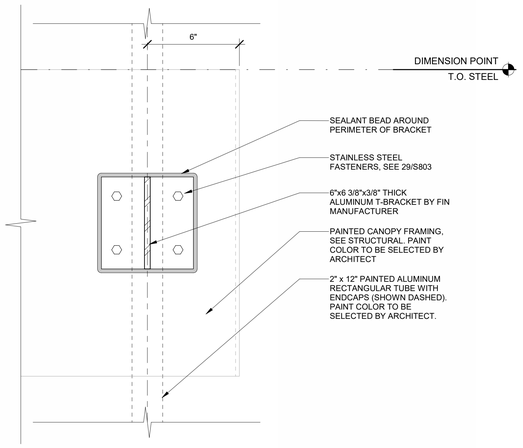


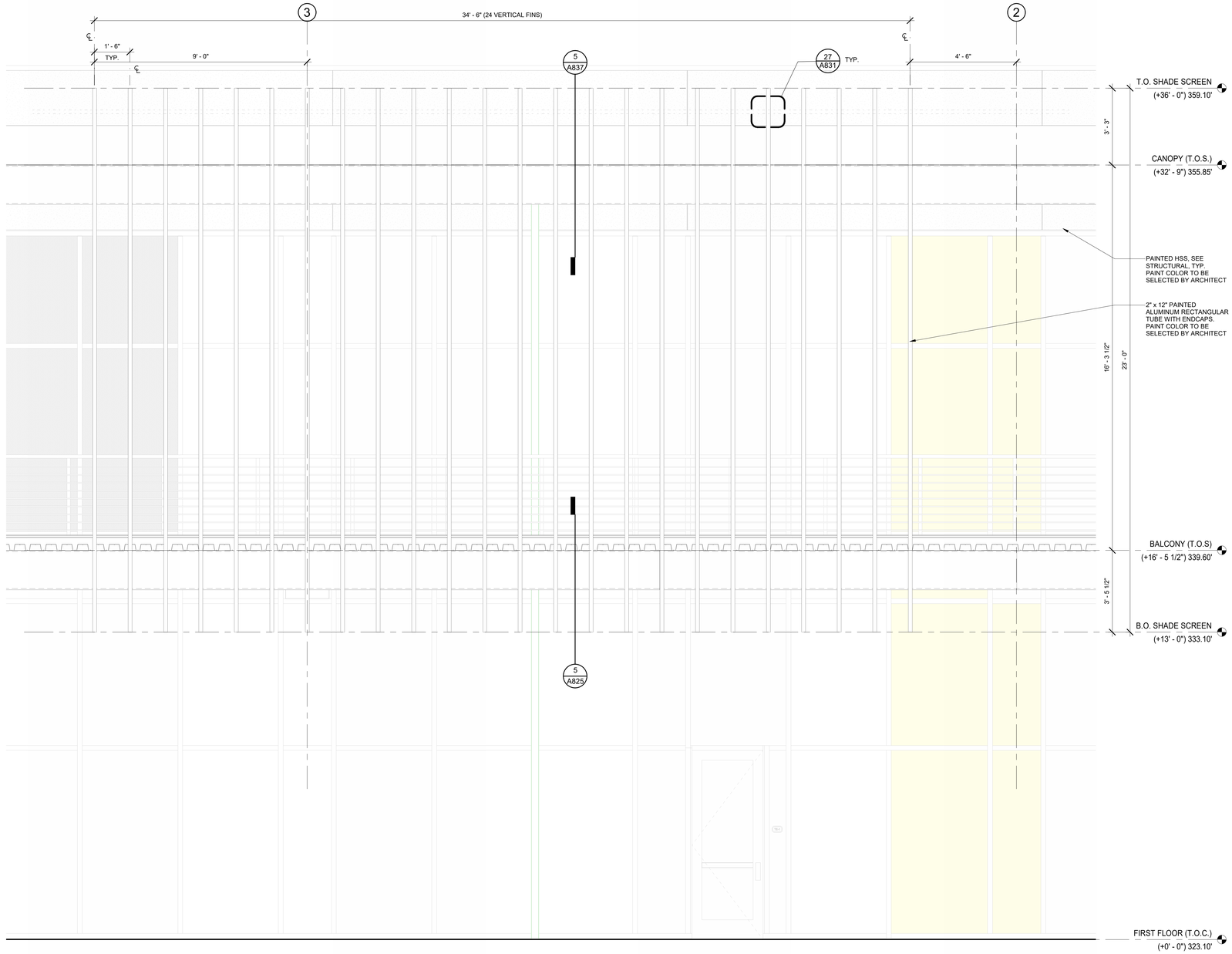
VERTICAL FIN - ENDCAPS 3" = 1'-0" 27



SECOND FLOOR PLAN - VERTICAL BRISE SOLIEL 1/2" = 1'-0" 2



ELEVATION - VERTICAL FIN MOUNTING BRACKET 3" = 1'-0" 28



EAST ELEVATION - VERTICAL BRISE SOLIEL 1/2" = 1'-0" 5

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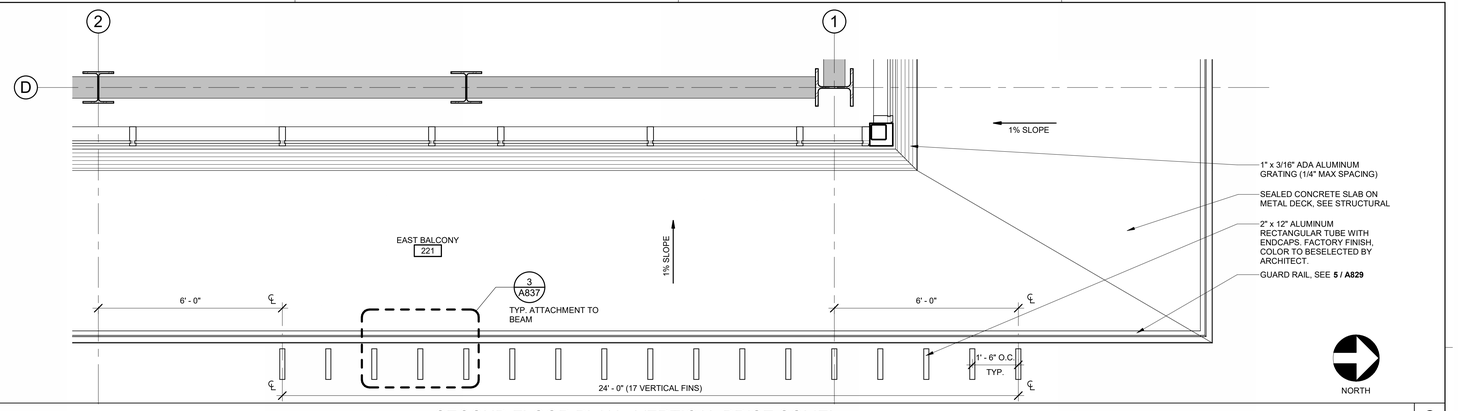
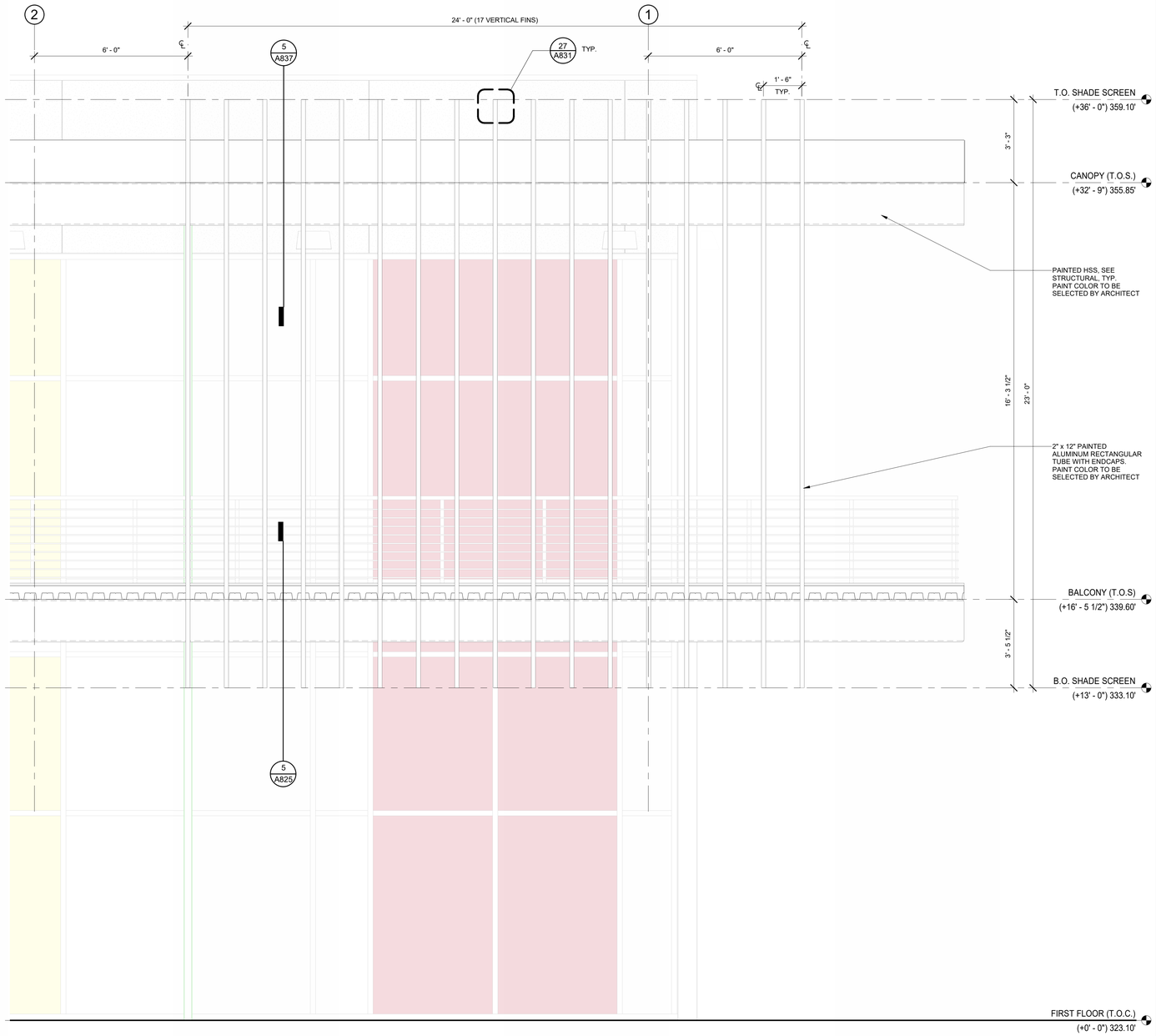


SECOND FLOOR PLAN - VERTICAL BRISE SOLIEL — 1/2" = 1'-0" — 2



EAST ELEVATION - VERTICAL BRISE SOLIEL — 1/2" = 1'-0" — 5

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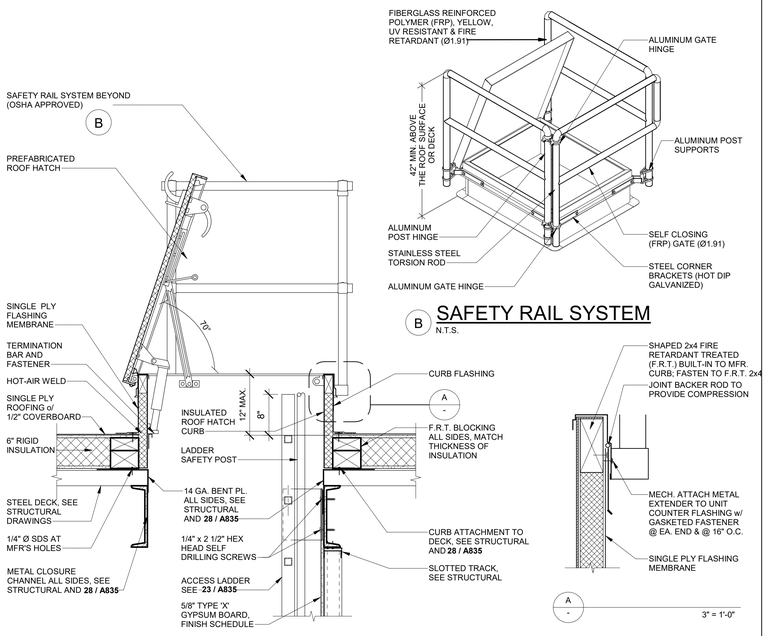
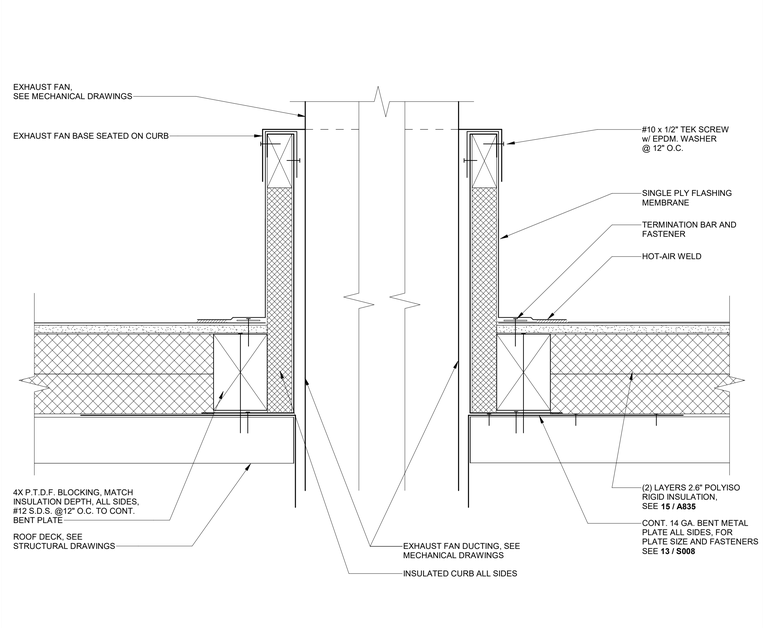
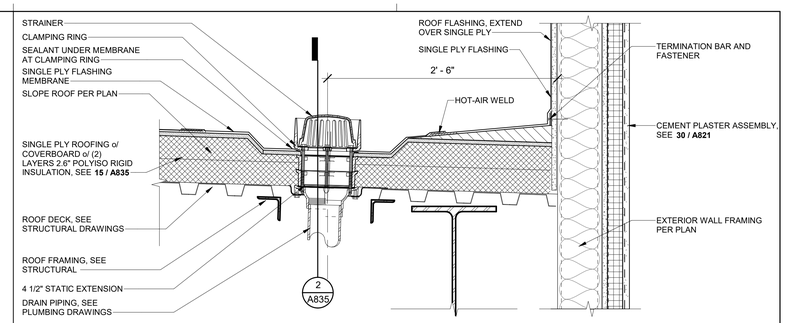


B SAFETY RAIL SYSTEM
N.T.S.

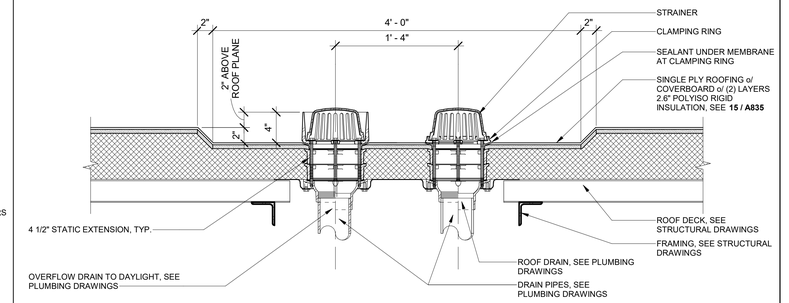
ROOF ACCESS HATCH WITH GUARDRAIL — 1" = 1'-0" — 22



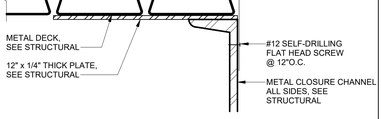
EXHAUST FAN OPENING — 3" = 1'-0" — 12



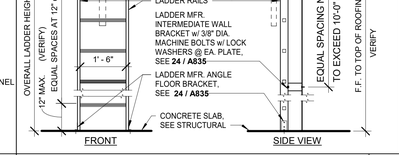
ROOF DRAIN SECTION WITH WALL — 1 1/2" = 1'-0" — 1



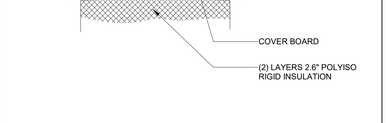
ROOF DRAIN SECTION — 1 1/2" = 1'-0" — 2



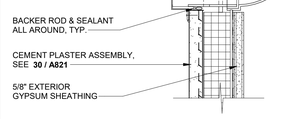
ROOF FRAMING AT HATCH — 3" = 1'-0" — 28



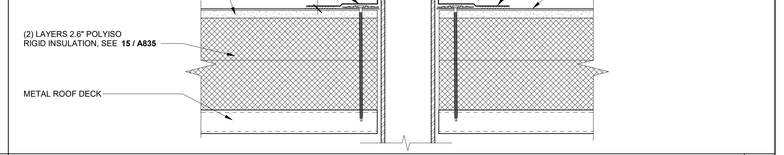
ROOF ACCESS LADDER — 1/2" = 1'-0" — 23



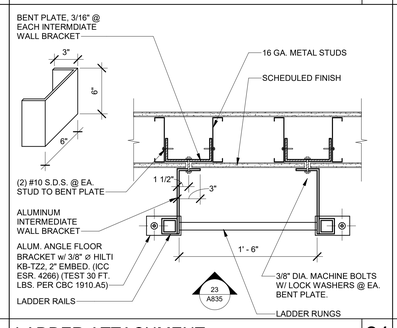
SINGLE PLY SIDE LAP — 3" = 1'-0" — 18



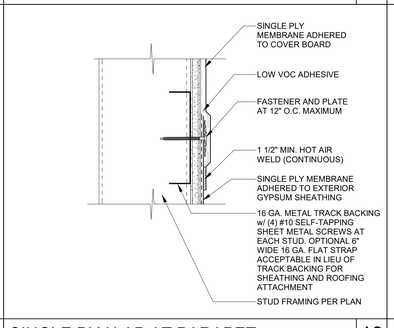
OVERFLOW AT CEMENT PLASTER — 3" = 1'-0" — 13



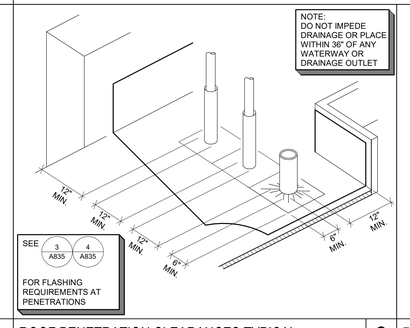
ROOF PIPE FLASHING — 3" = 1'-0" — 3



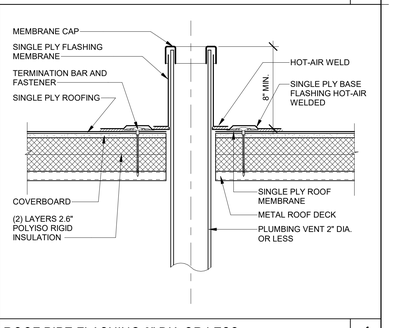
LADDER ATTACHMENT — 1 1/2" = 1'-0" — 24



SINGLE PLY LAP AT PARAPET — 3" = 1'-0" — 19



ROOF PENETRATION CLEARANCES TYPICAL — 1" = 1'-0" — 9



ROOF PIPE FLASHING 2" DIA OR LESS — 12" = 1'-0" — 4

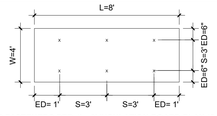
ROOFING ZONE PATTERN	SUBSTRATE	TOP OF ROOF DECK INSULATION		COVER BOARD		ROOFING MEMBRANE			ALLOWABLE WIND UPLIFT CAPACITY
		TYPE	ATTACHMENT (2), (3)	TYPE	ATTACHMENT (2), (3)	SARNAFIL PVC MEMBRANE	LAP WIDTH	WELD WIDTH	
TYPICAL ROOF	STEEL DECK, SEE STRUCTURAL	(2) LAYERS 2.6" MIN. POLYISOCYANURATE RIGID INSULATION, MIN.	6 (5.33 S.F.) SARNAFASTENERS #12 AND SARNAPLATES	5/8" DENS-DECK PRIME	SARNAFASTENERS AND SARNAPLATES AT 1 FASTENER PER 2 SQ. FT.	G410-80 FELTBACK MEMBRANE ADHERED TO THE COVER BOARD WITH SARNACOL 2121 ADHESIVE APPLIED TO COVER BOARD AT 0.75 GAL/100 SQ. FT	3"	1.5"	53 PSF
TYPICAL ROOF	CONCRETE OVER METAL DECK, SEE STRUCTURAL	(2) LAYERS 2.6" MIN. POLYISOCYANURATE RIGID INSULATION, MIN.	6 (5.33 S.F.) SARNAFASTENERS #14 AND SARNAPLATES	5/8" DENS-DECK PRIME	SARNAFASTENERS AND SARNAPLATES AT 1 FASTENER PER 2 SQ. FT.	G410-80 FELTBACK MEMBRANE ADHERED TO THE COVER BOARD WITH SARNACOL 2121 ADHESIVE APPLIED TO COVER BOARD AT 0.75 GAL/100 SQ. FT	3"	1.5"	53 PSF

ROOFING FASTENER SCHEDULE REFERENCED NOTES:

(1) BASIS OF DESIGN IS SIKA G410-80 FELTBACK (ICC-ESR 1157) SARNAFIL PVC COATED METAL FLASHING SHEET. ALL FASTENERS AND PLATES SHALL BE APPROVED FOR USE WITH ROOF ASSEMBLY AND SHALL NOT VOID ANY WARRANTY AND SHALL BE APPROVED BY FACTORY MUTUAL AND MEET FM STANDARD 4470 FOR CORROSION RESISTANCE.

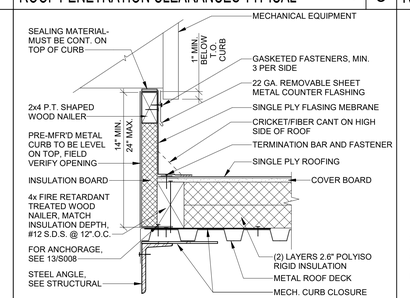
(2) ALL FASTENERS AND PLATES AND THEIR LAYOUT ARE TO BE ACCEPTED BY THE ROOFING MANUFACTURER.

(3) FASTENERS PER 4X8 BOARD.

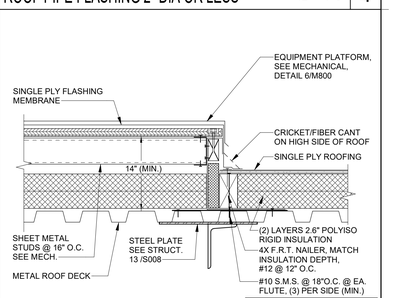


6 FASTENERS PER 4' x 8' INSULATION BOARD PLAN (5.33 S.F.)
W=WIDTH, L=LENGTH, ED=EDGE DISTANCE, S=SPACING

ROOFING FASTENER SCHEDULE — N.T.S. — 15



TYP. HVAC EQUIPMENT CURB — 1 1/2" = 1'-0" — 10



EQUIPMENT PLATFORM — 12" = 1'-0" — 5

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ARCHITECTS ENGINEERS CONSULTANTS

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ROOF DETAILS

PROJECT NO.
22-12499

DRAWING
A835

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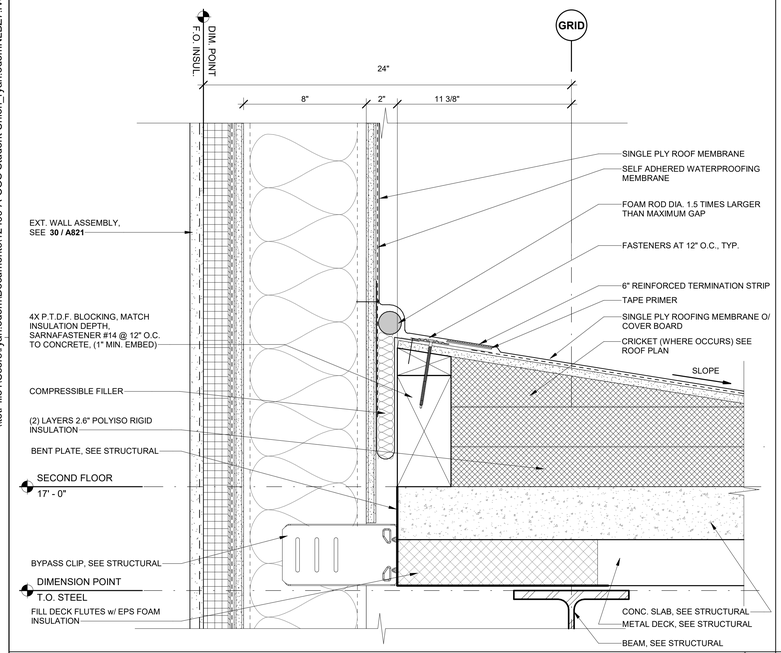
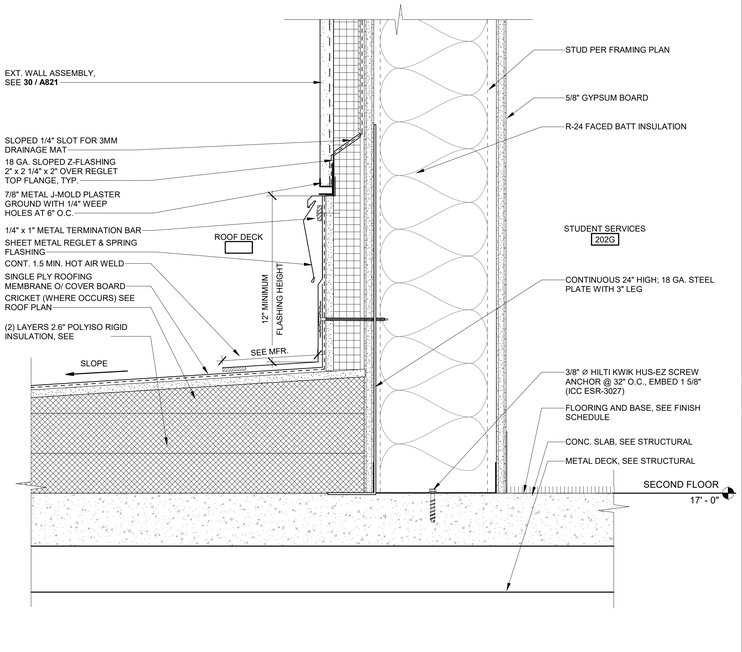


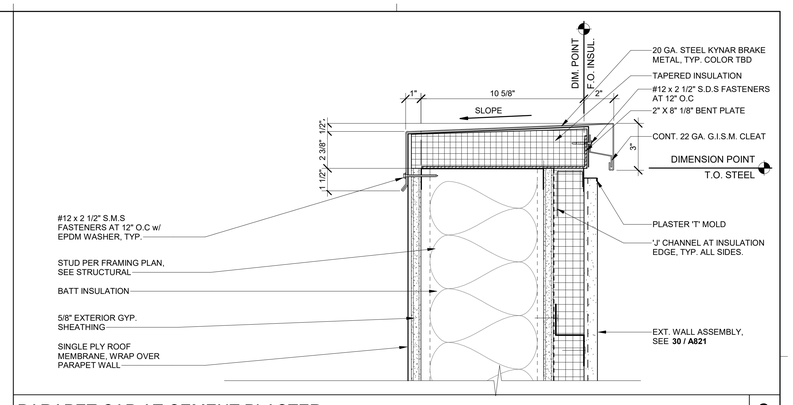
EXT. PARAPET AT BYPASS FRAMING TO CONC. DECK TYP.

3" = 1'-0" | 22



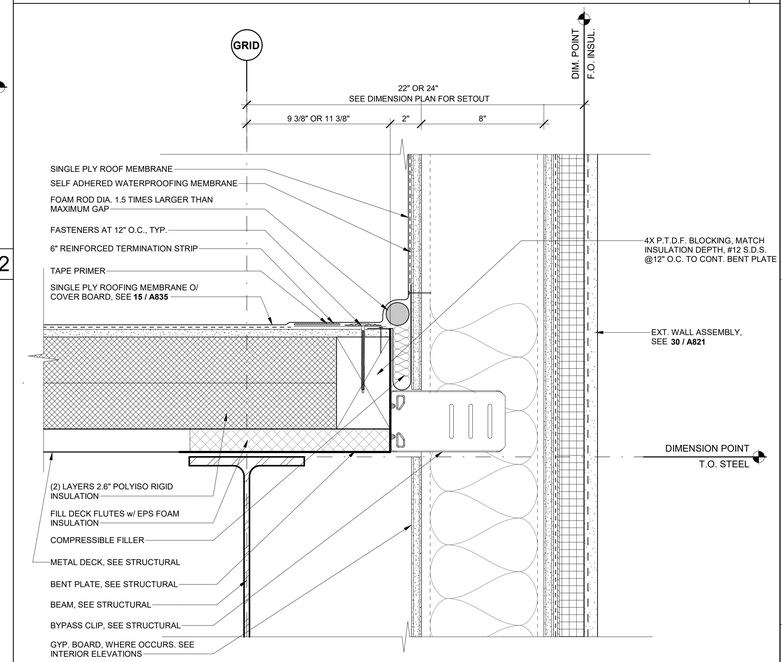
CONC. ROOF DECK TO EXTERIOR WALL

3" = 1'-0" | 12



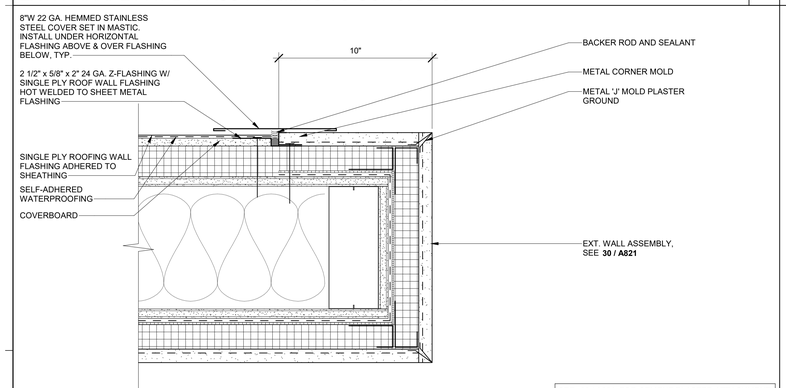
PARAPET CAP AT CEMENT PLASTER

3" = 1'-0" | 2



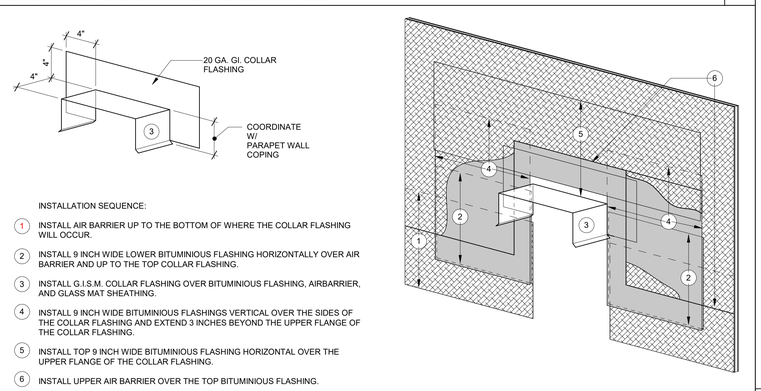
EXTERIOR PARAPET TO ROOF AT BYPASS FRAMING TYP. @ PVC RAKE

3" = 1'-0" | 4



END OF PARAPET TRANSITION TO SINGLE PLY

3" = 1'-0" | 24

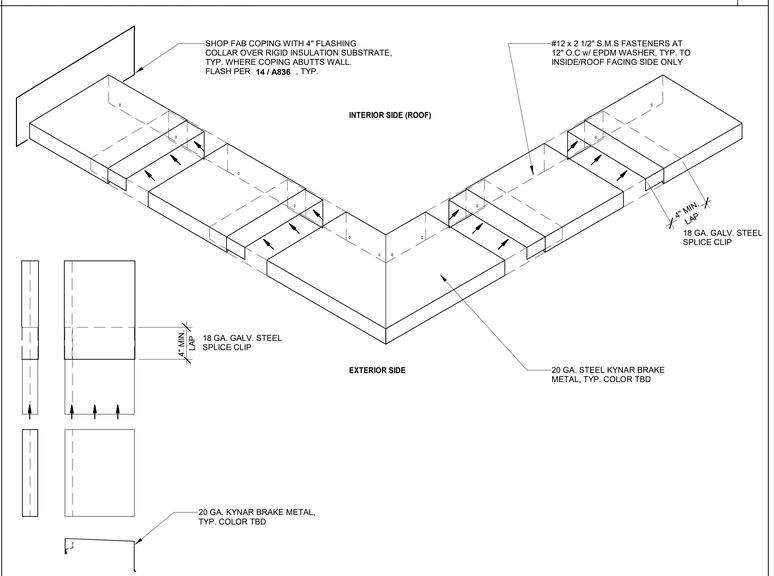


PARAPET TO WALL FLASHING

1 1/2" = 1'-0" | 14

EXTERIOR WALL AT ROOF DECK

3" = 1'-0" | 5



COPING SLIP JOINT

1" = 1'-0" | 15

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ROOF DETAILS

PROJECT NO.
22-12499

DRAWING
A836

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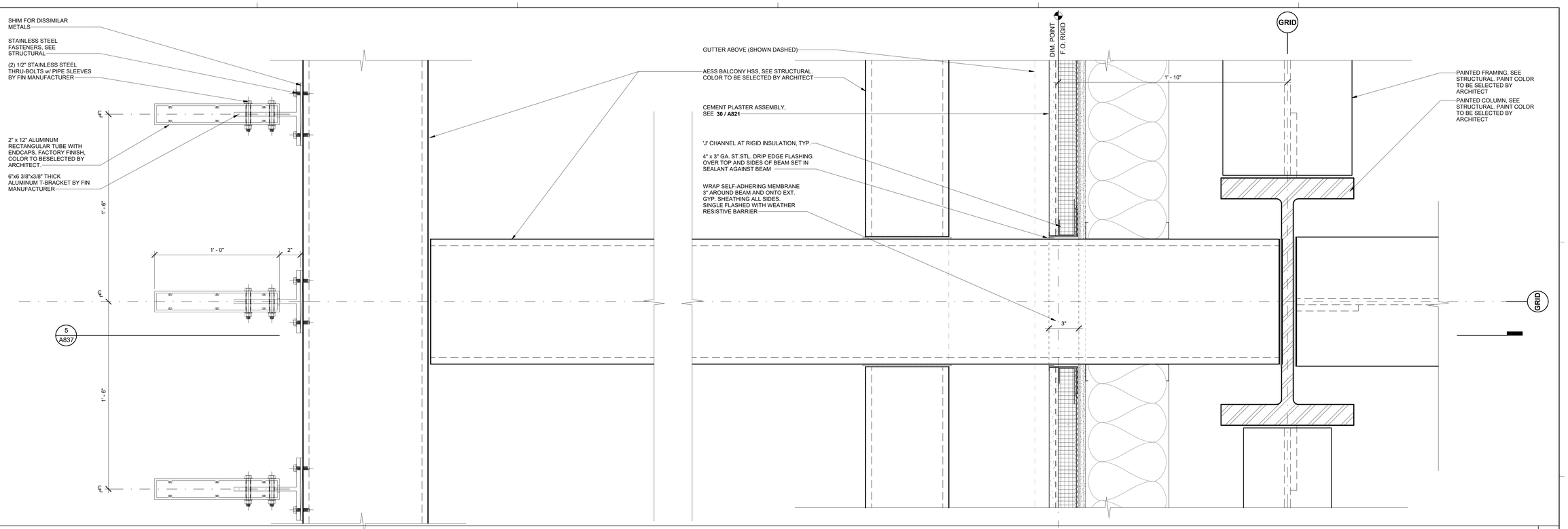
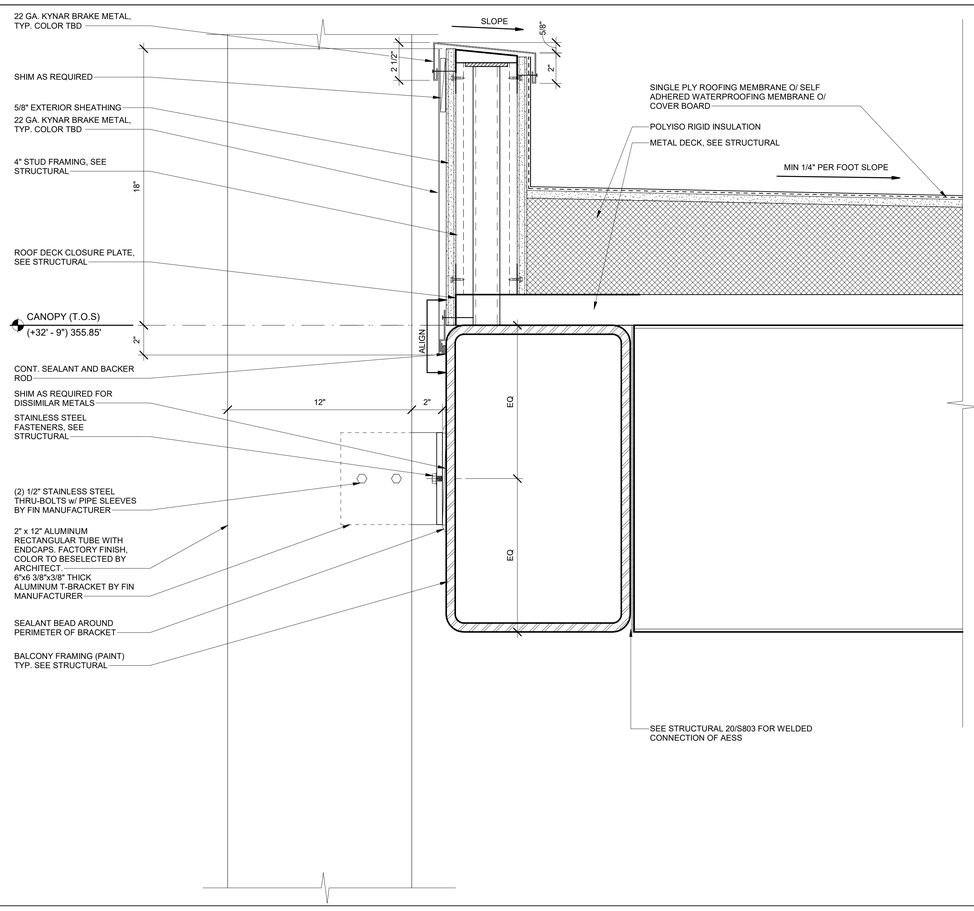
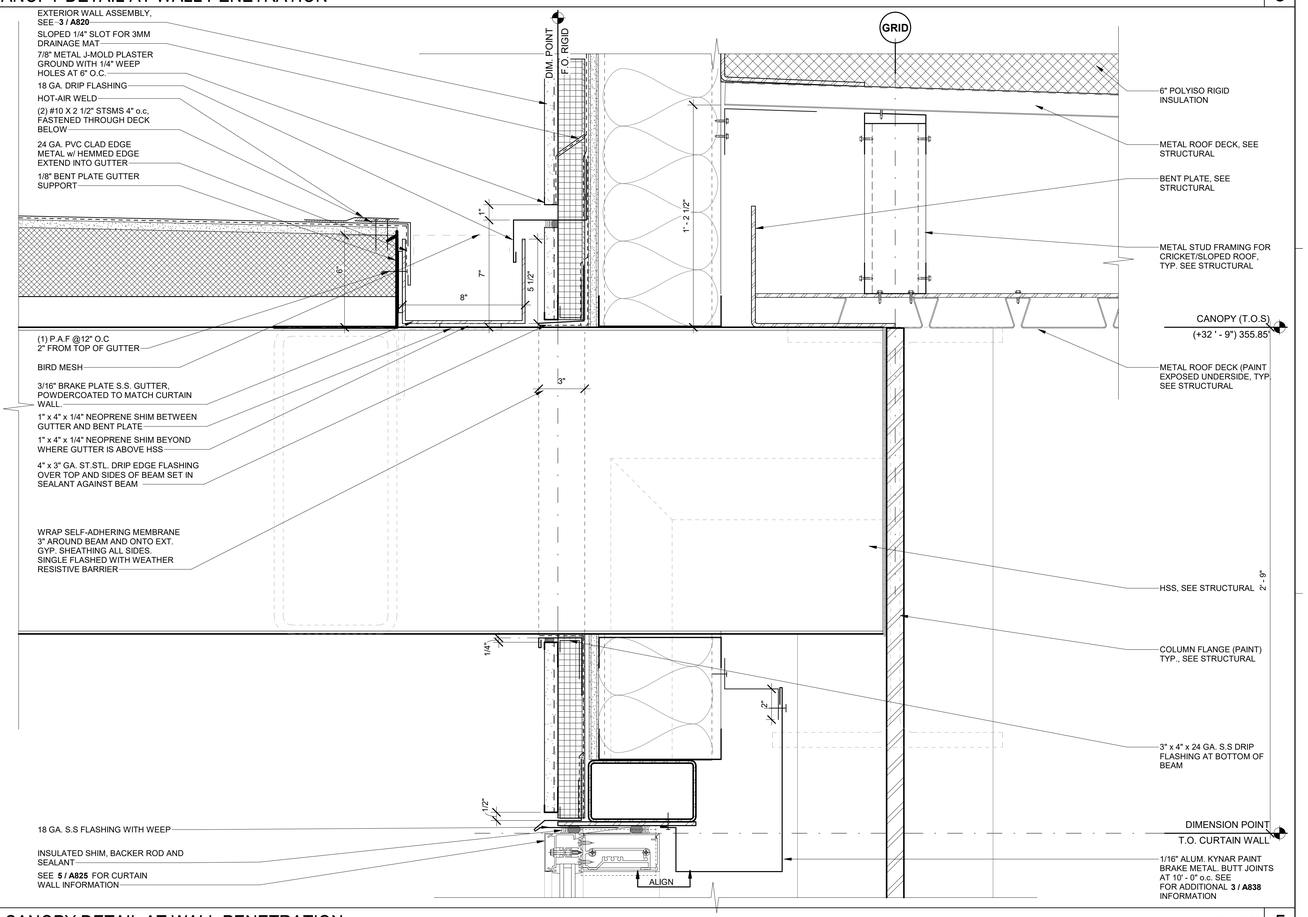


PLAN - CANOPY DETAIL AT WALL PENETRATION

3" = 1'-0" | 3





SECTION - CANOPY DETAIL AT WALL PENETRATION

3" = 1'-0" | 5

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DRAWING
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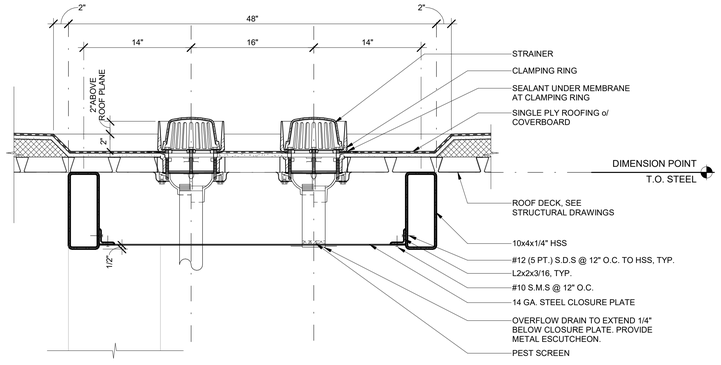
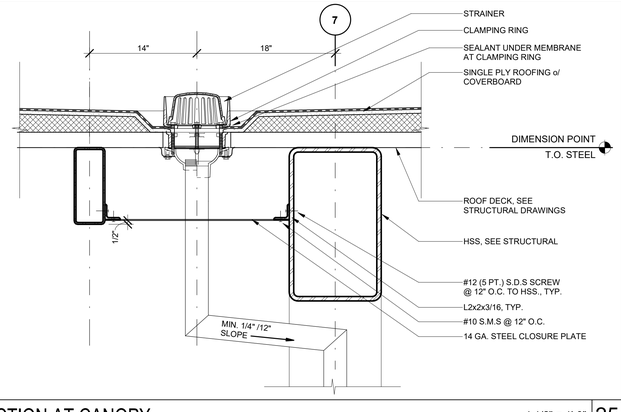
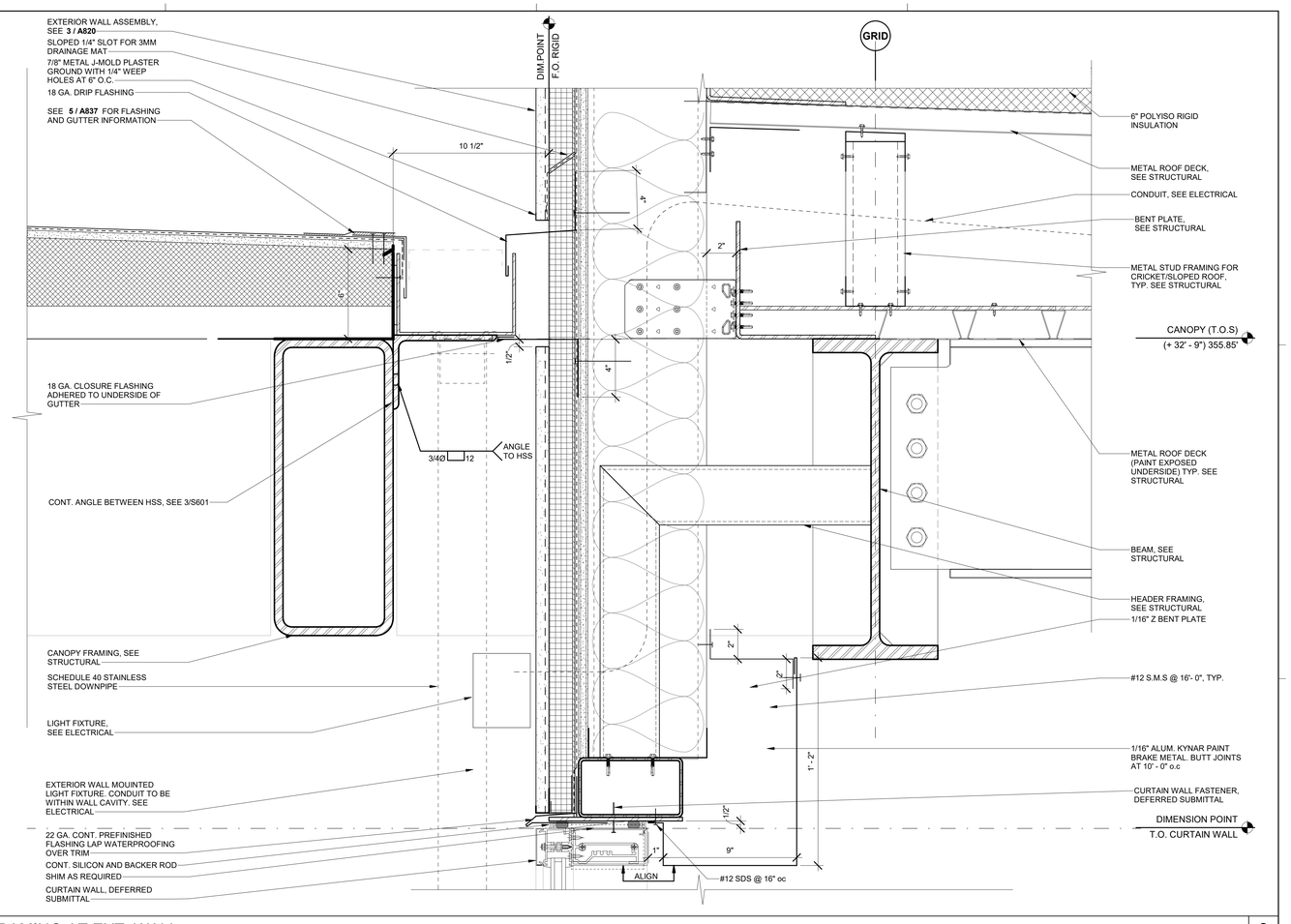


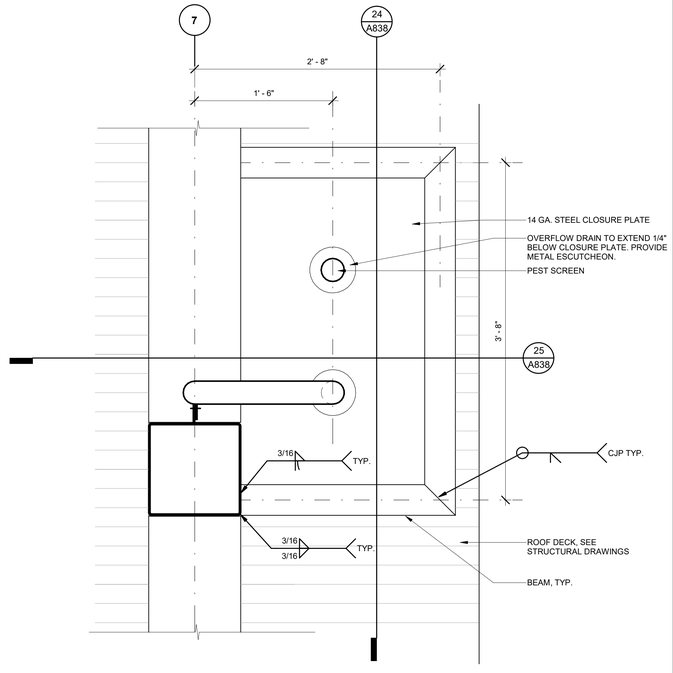
ROOF DRAIN SECTION AT CANOPY — 1 1/2" = 1'-0" — 24



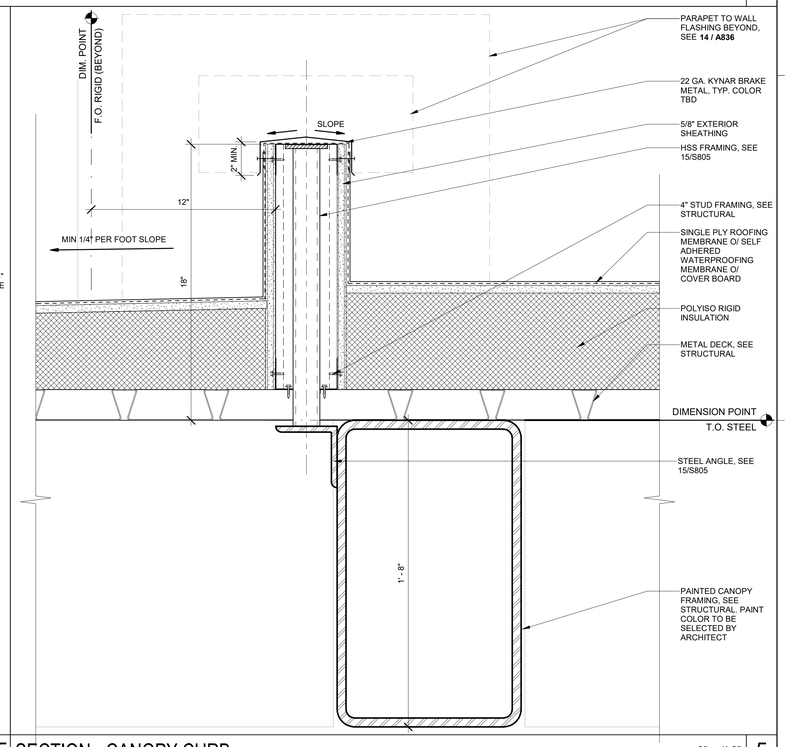
ROOF DRAIN SECTION AT CANOPY — 1 1/2" = 1'-0" — 25



SECTION - 2F CANOPY FRAMING AT EXT. WALL — 3" = 1'-0" — 3



PLAN - ROOF DRAIN PENETRATION AT CANOPY — 1 1/2" = 1'-0" — 15



SECTION - CANOPY CURB — 3" = 1'-0" — 5

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ROOF DETAILS

PROJECT NO.
22-12499

DRAWING
A838

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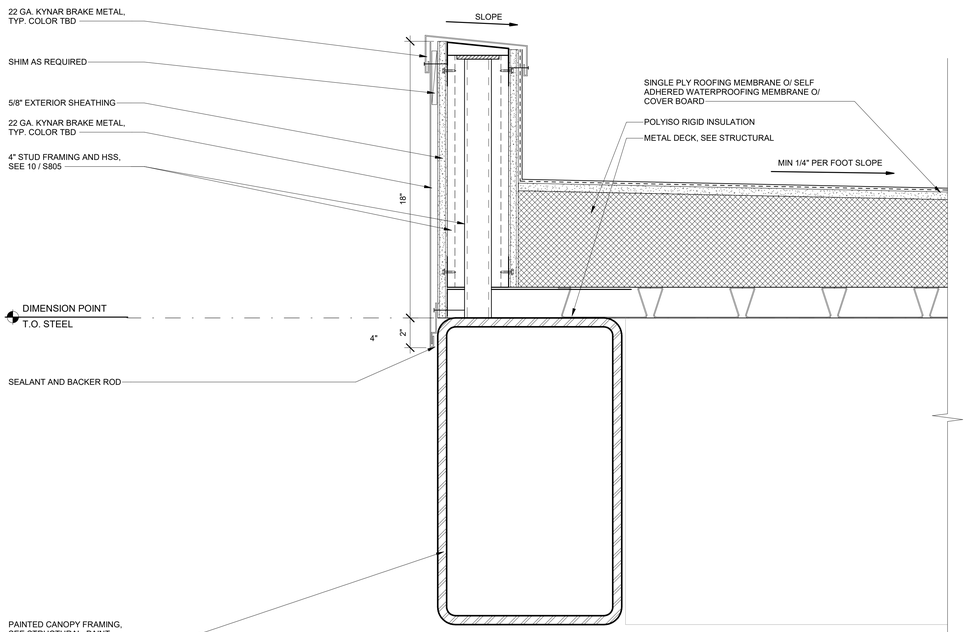
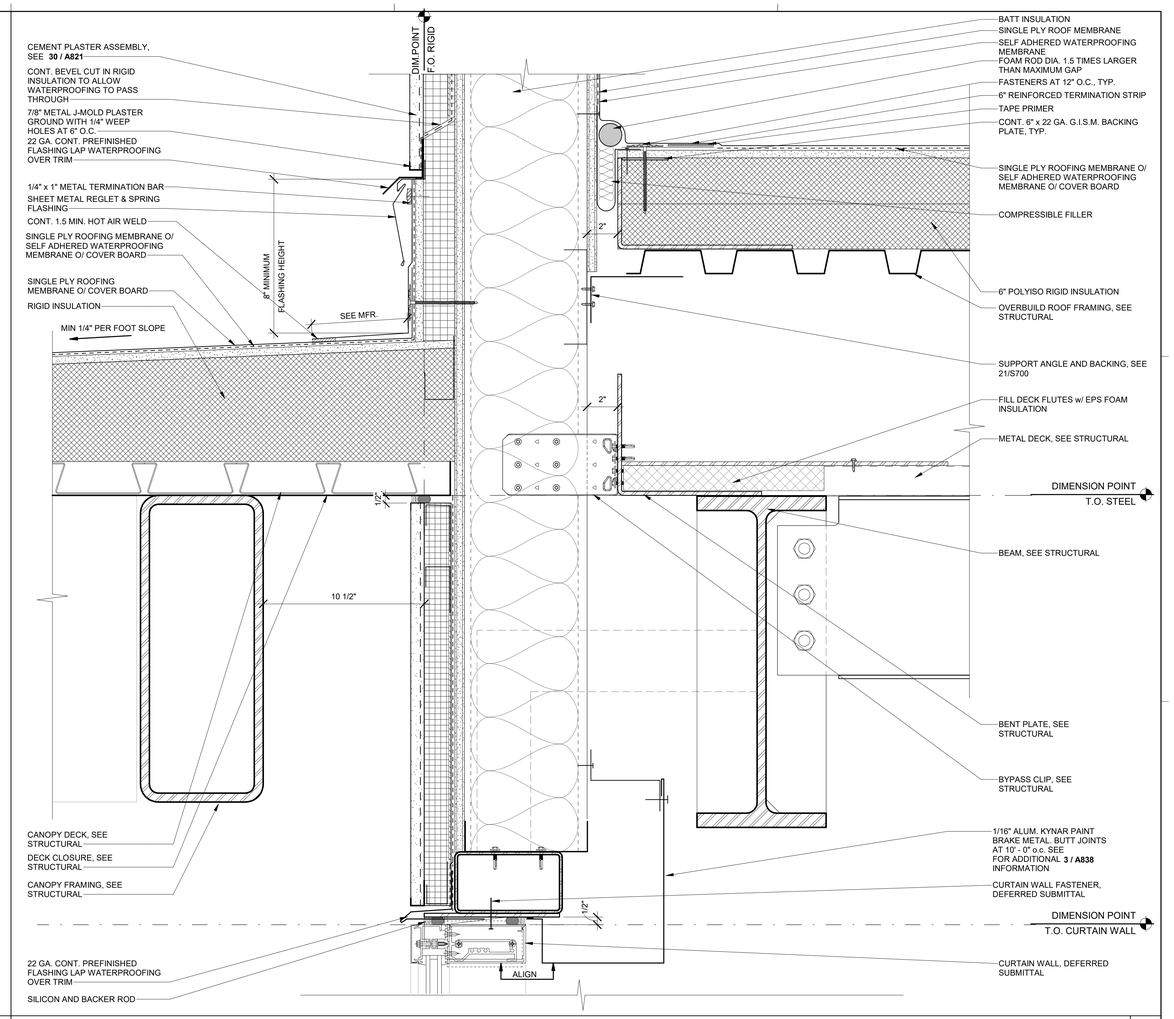
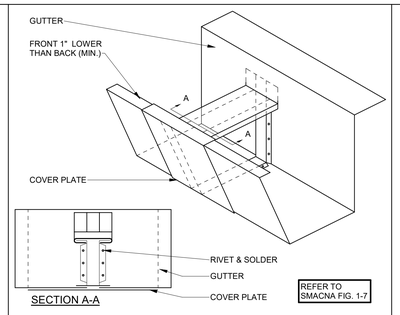


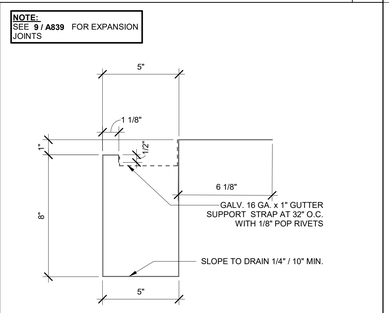
SOUTH CANOPY EDGE — 3" = 1'-0" — 18



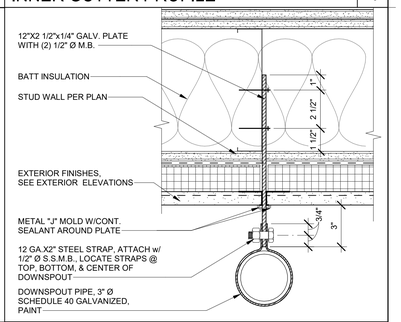
EXT. WALL AT SOUTH CANOPY — 3" = 1'-0" — 3



GUTTER FLASHING/EXP/ JOINT — 12" = 1'-0" — 9



INNER GUTTER PROFILE — 3" = 1'-0" — 4



PLAN - DOWNSPOUT BRACE — 3" = 1'-0" — 5

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A839

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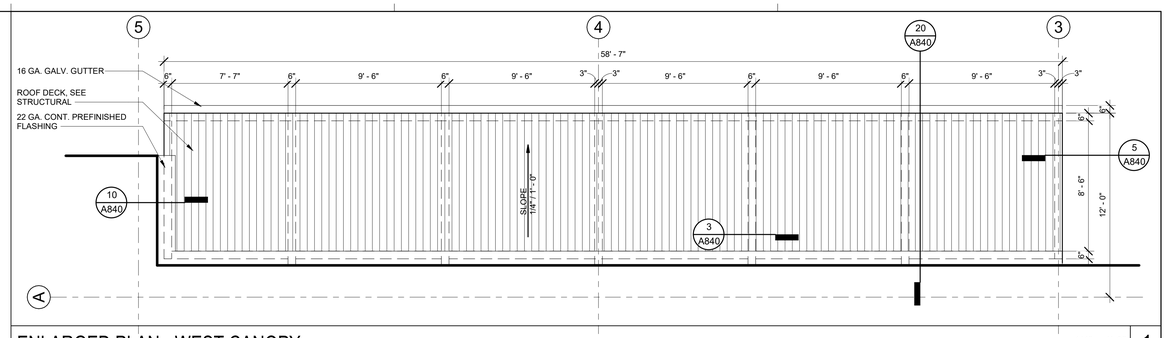
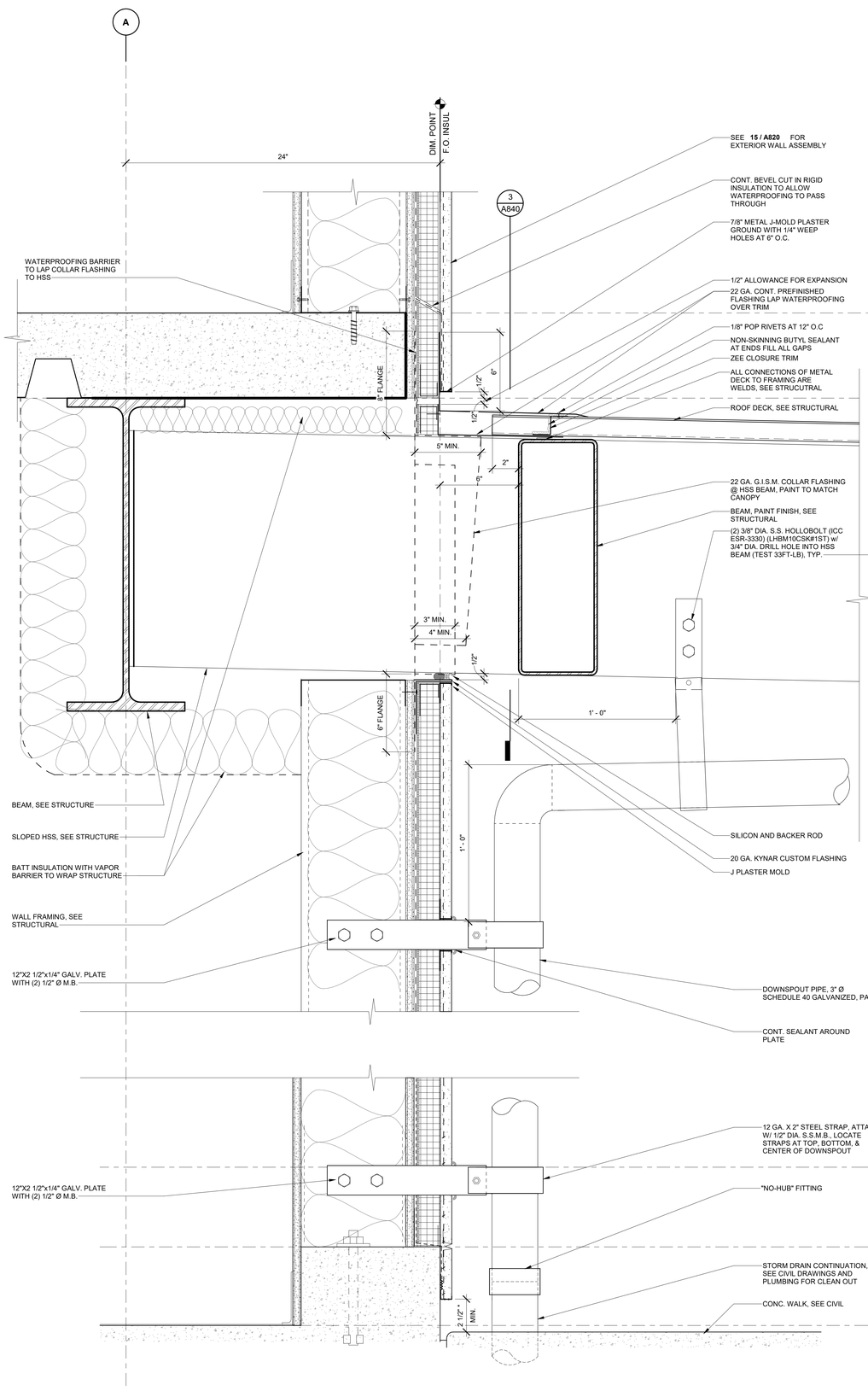
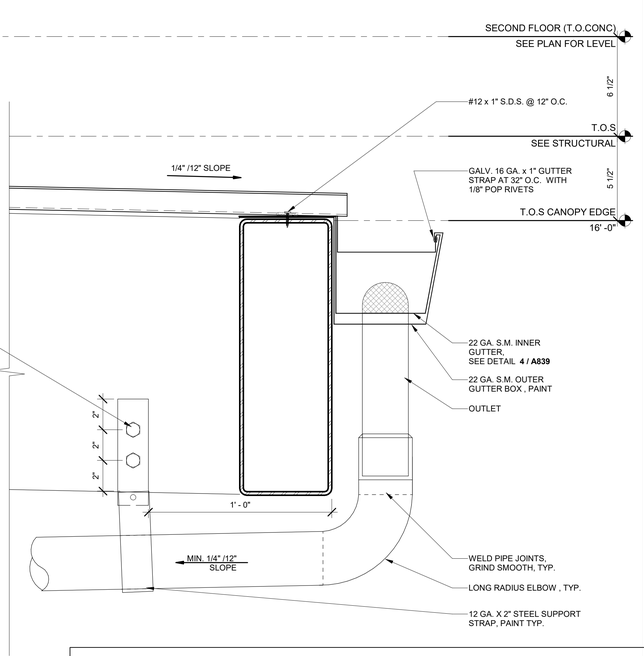


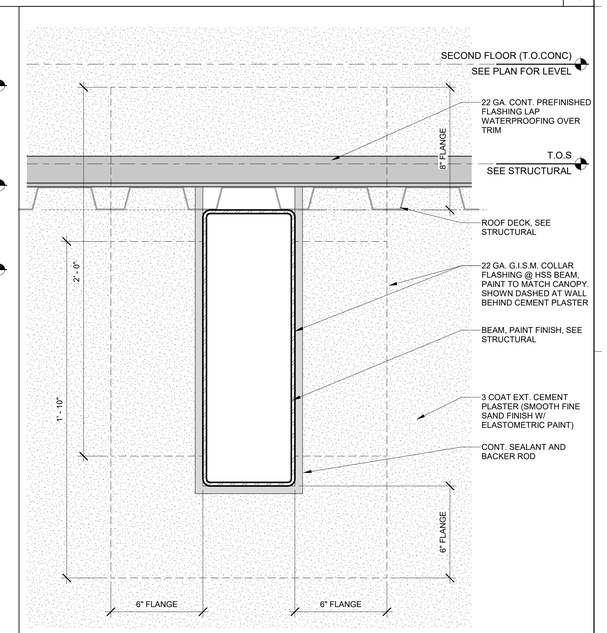
ENLARGED PLAN - WEST CANOPY — 1/4" = 1'-0" | 1



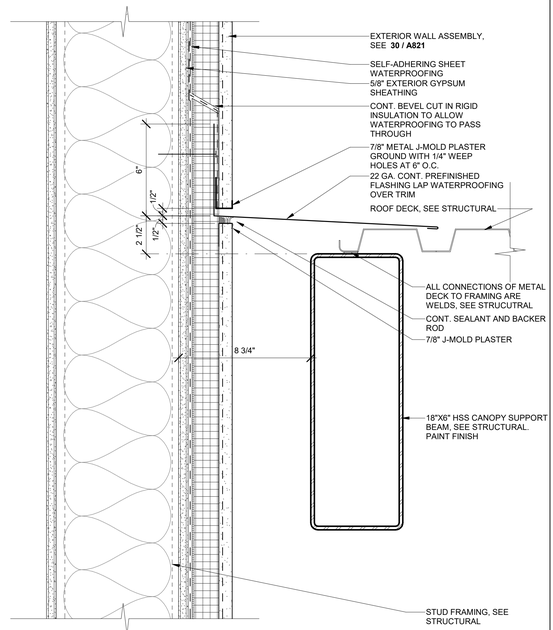
SECTION - WEST CANOPY — 3" = 1'-0" | 20



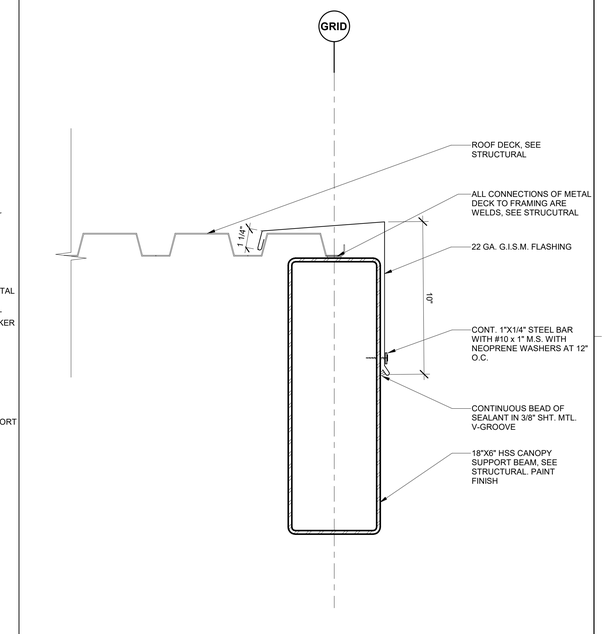
SECTION - CANOPY RAKE AT WALL — 3" = 1'-0" | 10



SECTION - HSS AT EXT. WALL — 3" = 1'-0" | 3



SECTION - CANOPY EDGE AT RAKE — 3" = 1'-0" | 5



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ROOF DETAILS

PROJECT NO.
22-12499

DRAWING
A840

PLOT DATE: 8/14/2026 11:05:48 AM

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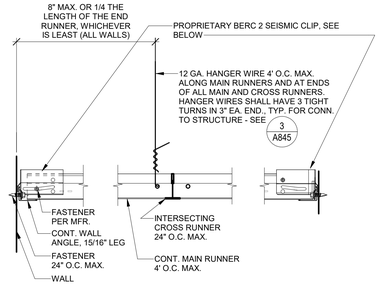
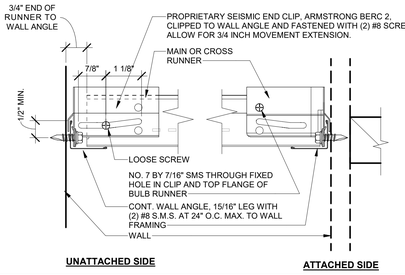
8/8/2026 11:05:52 AM

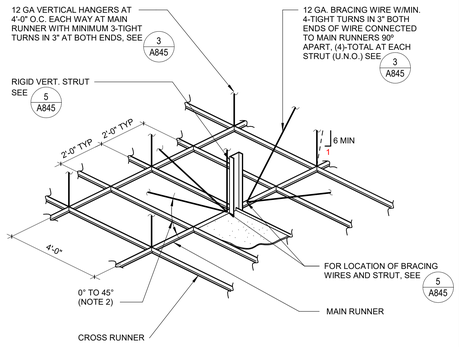




CEILING PERIMETER

N.T.S. | 27

(REF. DSA IR 25-2 DETAIL 2.35)



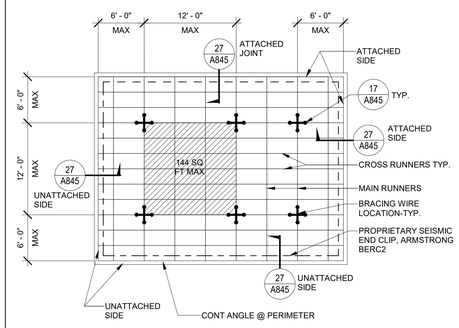
NOTES:

1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.
3. FOR LIGHT STRUCTURE AIR TERMINAL SUPPORT, SEE 19 A845
4. FOR TYPICAL CEILING WIRE SPLICES, SEE 13 A845

SUSPENDED CEILING - SUSPENSION & BRACING ASSEMBLY

3" = 1'-0" | 17

(REF. DSA IR 25-2 DETAIL 2.12)



NOTE:

BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

TYPICAL SUSPENDED CEILING INSTALLATION

N.T.S. | 2

TYPICAL SUSPENDED CEILING NOTES

CEILING SYSTEM NOTES FROM DSA IR 25-2, APPENDIX 'A,' NOTES 1.01 - 8.01

1. **-CEILING SYSTEM GENERAL NOTES**
1.01 -CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND SECTION 5.1 OF ASTM E580.
1.02 -THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
1.03 & 1.04 -SUSPENSION COMPONENTS:
ARMSTRONG WORLD INDUSTRIES INC.; PRELUDE XL, ESR 1308.
MAIN RUNNER: NO. 7301
CROSS RUNNERS: NO. XL7341 (4'), XL7328 (2')
PERIMETER SEISMIC CLIPS: NO. BERC2
WALL ANGLE: 15/16" LEGS
1.05 -CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
1.06 -FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE 3/4" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID RUNNERS/MEMBERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF CEILING TILE MATERIAL. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE 3/4" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP.

2. **-MATERIALS**
2.01 -CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641. WIRE SHALL BE 12 GAUGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM ULTIMATE TENSILE STRENGTH OF 70 KSI.
2.02 -GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POSTS) SHALL CONFORM TO ASTM A653, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A3.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, (AISI S100). MATERIAL 43 MIL (18 GAUGE) AND LIGHTER SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16 GAUGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
2.03 -ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE A MINIMUM YIELD STRENGTH (FY) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (FU) OF 48 KSI.

3. **-ATTACHMENT OF HANGER AND BRACING WIRES**
3.01 -SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUITS, AND SIMILAR ITEMS.
3.02 -HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONDUIT, AND EQUIPMENT.
3.03 -HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTERSLOPING WIRES.
3.04 -SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
3.05 -HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE. (E.G. BRACING WIRE CEILING CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND SUSPENDED AND BRACED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, EYE SCREWS IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.).

4. **-FASTENERS AND WELDING**
4.01 -SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513 AND ASME B18.6.3. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
4.02 -EXPANSION ANCHORS SHALL BE HILTI, KWIK BOLT TZ2, ICC ESR-4266, 3/8"ø TEST LOAD = 30 FT-LB.
4.03 -POWER ACTUATED FASTENERS SHALL BE HILTI, X-U P8S, ICC ESR-2269.
4.04 -IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER.
4.05 -POWER-ACTUATED FASTENERS IN CONCRETE OR MASONRY ARE NOT PERMITTED FOR BRACING WIRES.
4.06 -CONCRETE REINFORCEMENT AND PRESTRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST-INSTALLED ANCHORS.
4.07 -WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.

5. **-TESTING**
5.01 -ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR
5.02 -POST INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE TESTED AT A FREQUENCY OF 10 PERCENT. POWER-ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 LBS IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION 1910A.5.
5.03 -POST INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION 1910A.5.

6. **-LIGHT FIXTURES**
6.01 -ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE LIGHT FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE PER ASTM E580, SECTION 5.3.1.
6.02 -SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF 14 GAUGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A 12 GAUGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FEET OR LONGER, OR EXCEED 56 LBS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
6.03 -LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LBS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF ONE 12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOSING AND THE STRUCTURE ABOVE.
6.04 -LIGHT FIXTURES WEIGHING GREATER THAN 10 LBS SHALL HAVE A MINIMUM OF ONE 12 GAUGE SLACK SAFETY WIRE CONNECTED TO THE FIXTURE HOSING AND THE STRUCTURE ABOVE. (REPEAT OF NOTE 6.03)
6.05 -LIGHT FIXTURES WEIGHING GREATER THAN 10 LBS BUT LESS THAN OR EQUAL TO 56 LBS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO 12 GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE.
EXCEPTION: ALL LIGHT FIXTURES GREATER THAN 2 BY 4 FT WEIGHING LESS THAN 56 LBS SHALL HAVE A 12 GAUGE SLACK SAFETY WIRE AT EACH CORNER.
6.06 -LIGHT FIXTURES WEIGHING GREATER THAN 56 LBS SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT 12 GAUGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR TAUT 12 GAUGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.

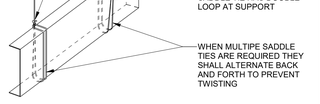
7. **-SERVICES WITHIN THE CEILING**
7.01 -ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.
7.02 -CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LBS SHALL HAVE ONE 12 GAUGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.03 -FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LBS BUT LESS THAN OR EQUAL TO 56 LBS SHALL HAVE TWO #12 GAUGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.04 -FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 LBS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR TAUT 12 GAUGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

8. **-OTHER DEVICES WITHIN THE CEILING**
8.01 -ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS SHALL HAVE A 12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LBS SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

SUSPENDED CEILING AT KITCHEN HOOD

1 1/2" = 1'-0" | 28

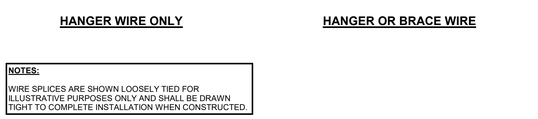
(REF. DSA IR 25-2 DETAIL 4.29)



TYPICAL SADDLE TIE

N.T.S. | 23

(REF. DSA IR 25-2 DETAIL 6.10)



NOTES:

WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN CONSTRUCTED.

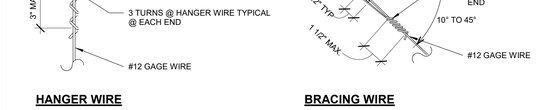
CEILING WIRE SPLICES

3" = 1'-0" | 13

HANGER/BRACE WIRE - CONC. O/ MTL DECK

1 1/2" = 1'-0" | 8

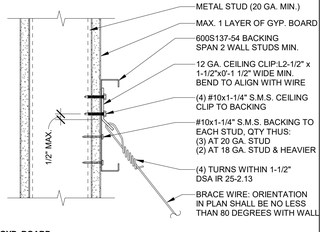
(REF. DSA IR 25-2 DETAIL 4.10)



HANGER AND BRACING WIRE CONNECTION - TYP. WIRE

3" = 1'-0" | 3

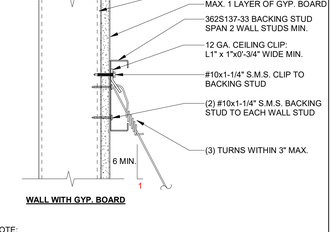
(REF. DSA IR 25-2 DETAIL 4.34)



BRACE WIRE CONN. @ MTL STUD

1 1/2" = 1'-0" | 29

(REF. DSA IR 25-2 DETAIL 4.24)

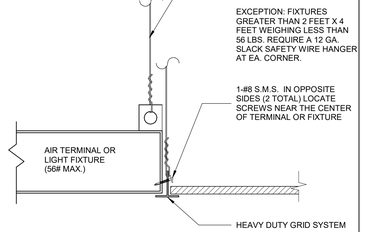


NOTE:
THIS DETAIL APPLIES AT PERIMETER WIRE ATTACHMENT OR WHERE OBSTRUCTION PREVENTS ATTACHEMENT TO THE STRUCTURE ABOVE

HANGER WIRE CONN. @ MTL STUD

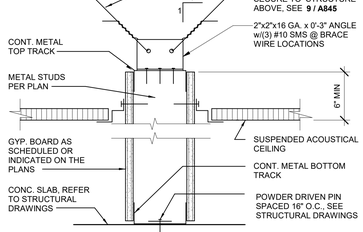
1 1/2" = 1'-0" | 24

(REF. DSA IR 25-2 DETAIL 2.80)



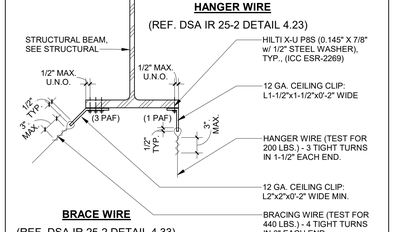
SUSP. ACOUSTICAL CLG. LIGHT

3" = 1'-0" | 19



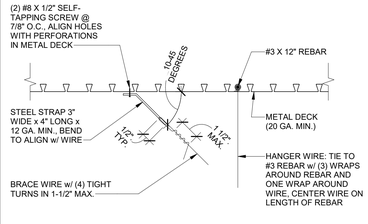
WALL BRACING (WIRE)

3" = 1'-0" | 14



CEILING SUPPORT WIRE TO BEAM

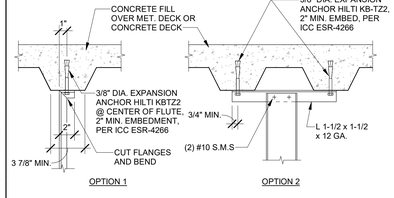
1/2" = 1'-0" | 9



CLG. SUPPORT TO METAL DECK

3/4" = 1'-0" | 4

(REF. DSA IR 25-2 DETAIL 5.21)



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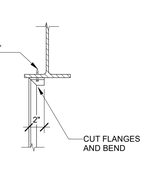
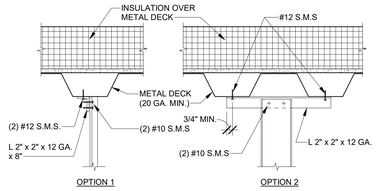


(REF. DSA IR 25-2 DETAIL 5.20 & 3.21)



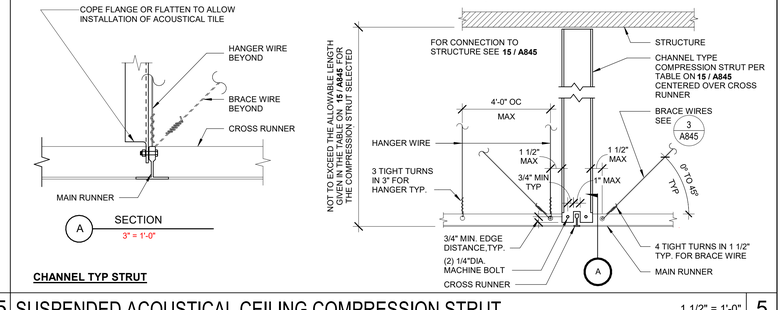
CHANNEL COMPRESSION STRUT	MAXIMUM LENGTH
250S125-33	5' - 0"
250S137-33	6' - 10"
362S137-33	8' - 0"
250S137-43	8' - 10"
400S137-43	10' - 10"

CHANNEL STRUT TABLE

COMPRESSION STRUT TO STRUCTURE CONNECTIONS

1 1/2" = 1'-0" | 15

(REF. DSA IR 25-2 DETAIL 3.10)



SUSPENDED ACOUSTICAL CEILING COMPRESSION STRUT

1 1/2" = 1'-0" | 5

PLOT DATE: 8/14/2026 11:05:52 AM

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TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
CEILING DETAILS

PROJECT NO.
22-12499

DRAWING
A845

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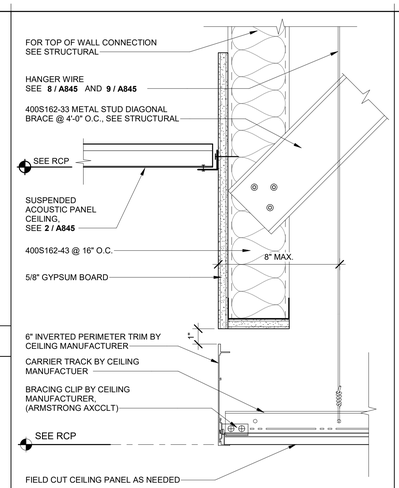
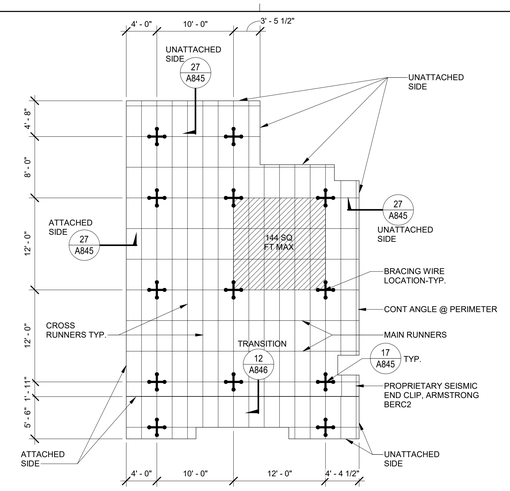
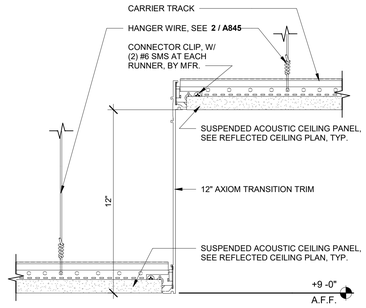


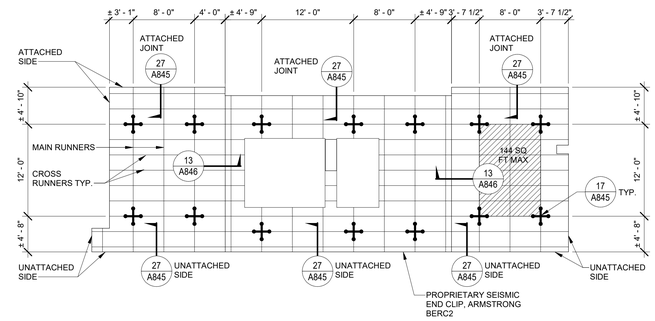
SUSP. CLG. TRANSITION - GROVE MARKET 3" = 1'-0" | 12



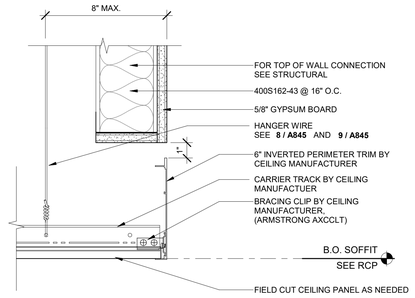
GROVE MARKET SUSPENDED CEILING PLAN 1/8" = 1'-0" | 2



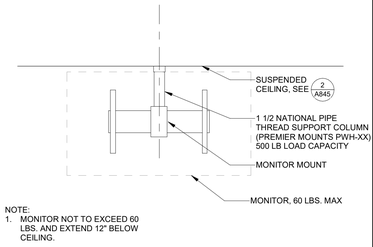
TRANSITION TRIM AT KITCHEN CEILINGS 3" = 1'-0" | 13



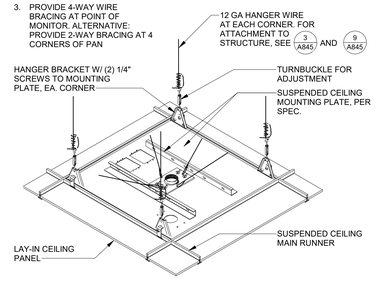
KITCHEN SUSPENDED CEILING PLAN 1/8" = 1'-0" | 3



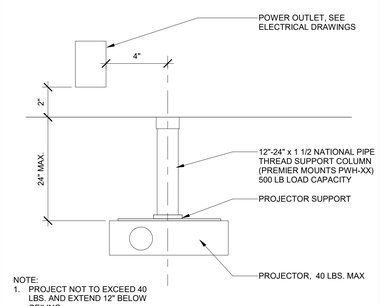
CEILING PERIMETER TRIM 3" = 1'-0" | 14



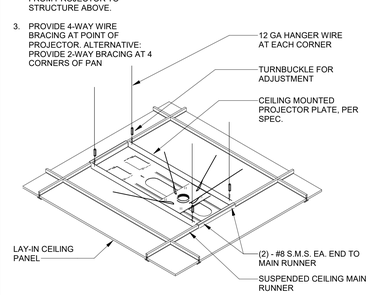
NOTE:
1. MONITOR NOT TO EXCEED 60 LBS. AND EXTEND 12" BELOW CEILING.
2. 1/8" AIRCRAFT SAFETY CABLE FROM MONITOR TO STRUCTURE ABOVE.
3. PROVIDE 4-WAY WIRE BRACING AT POINT OF MONITOR. ALTERNATIVE: PROVIDE 2-WAY BRACING AT 4 CORNERS OF PAN



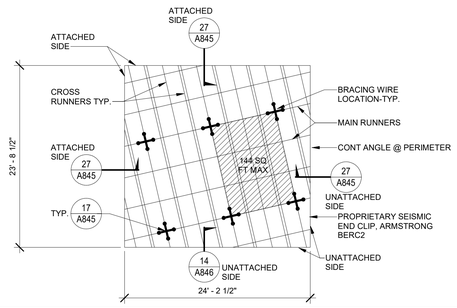
CEILING MONITOR MOUNT N.T.S. | 10



NOTE:
1. PROJECT NOT TO EXCEED 40 LBS. AND EXTEND 12" BELOW CEILING.
2. 1/8" AIRCRAFT SAFETY CABLE FROM PROJECTOR TO STRUCTURE ABOVE.
3. PROVIDE 4-WAY WIRE BRACING AT POINT OF PROJECTOR. ALTERNATIVE: PROVIDE 2-WAY BRACING AT 4 CORNERS OF PAN



CEILING PROJECTOR MOUNT N.T.S. | 5



DINING 100A SUSPENDED CEILING PLAN 1/8" = 1'-0" | 15

PLOT DATE: 8/14/2026 11:05:55 AM

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MARK	DATE	DESCRIPTION
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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
CEILING DETAILS

PROJECT NO.
22-12499

DRAWING
A846

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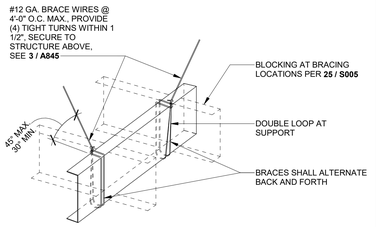
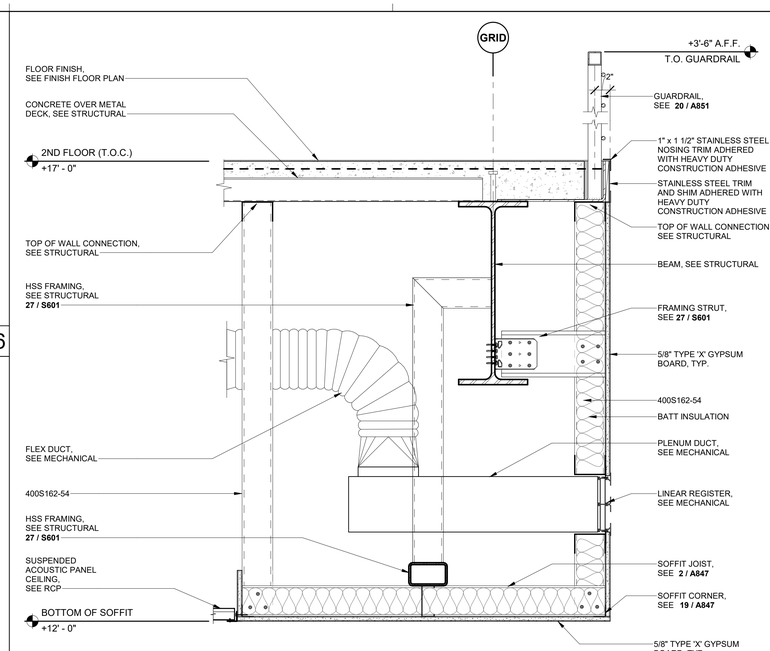
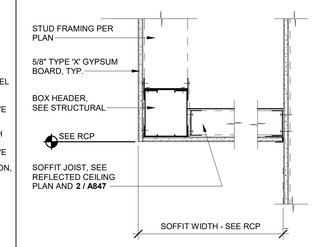


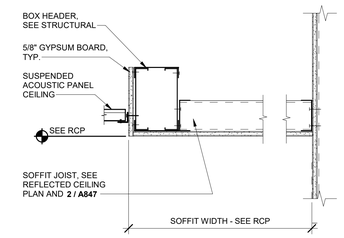
SOFFIT JOIST BRACE WIRE 3" = 1'-0" | 26



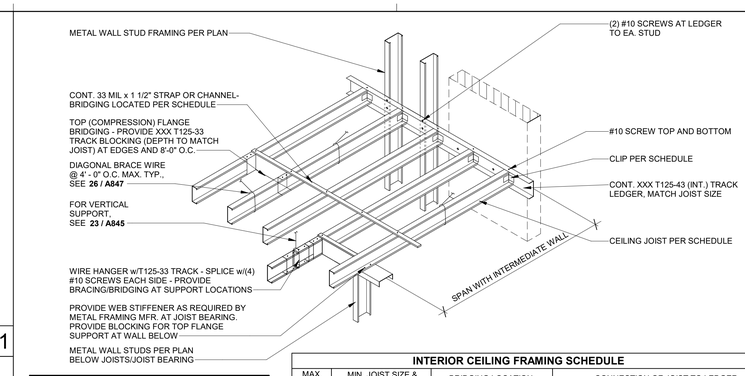
SOFFIT AT DINING 100A 1 1/2" = 1'-0" | 17



CORRIDOR SOFFIT TYP. 1 1/2" = 1'-0" | 11



CORRIDOR SOFFIT TYP. 1 1/2" = 1'-0" | 12



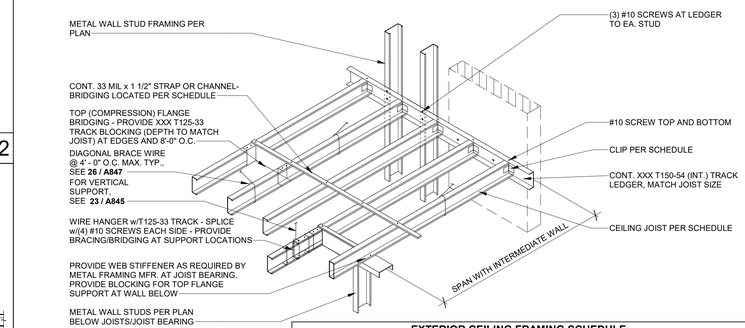
GENERAL NOTES:

1. DESIGNED FOR 10 psf DL (UP TO (2) LAYERS OF 5/8" GYP. BOARD) AND 10 psf LL.
2. FOR SPANS >8'-0", 40 PSF LL USED FOR DESIGN
3. IF SPAN OR LOADING CONDITION IS DIFFERENT THAN INDICATED, CONTACT ARCHITECT.
4. ILLUSTRATION IS FOR INFORMATION PURPOSES ONLY AND DOES NOT REFLECT A SPECIFIC LOCATION.

INTERIOR CEILING FRAMING SCHEDULE

MAX. SPAN	MIN. JOIST SIZE & SPACING	BRIDGING LOCATION	CONNECTION OF JOIST TO LEDGER
6'-0"	400S162-33 @ 16" O.C.	ONE ROW AT MID-SPAN	CLIP NOT REQUIRED; #10 SCREWS TOP & BOTTOM
9'-0"	400S200-43 @ 16" O.C.	ONE ROW AT MID-SPAN	LSS43 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L30 (SIMPSON) w/(2) #10 SCREWS EA. LEG
12'-0"	600S162-43 @ 16" O.C.	ONE ROW AT MID-SPAN	LSS45 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG
15'-0"	600S200-54 @ 16" O.C.	TWO ROWS AT 1/3 POINTS	LSS45 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON)w/(3) #10 SCREWS EA. LEG
20'-0"	600S300-68 @ 16" O.C.	TWO ROWS AT 1/3 POINTS	LSS45 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG

SOFFIT / CEILING FRAMING - INTERIOR (MTL.) 1/2" = 1'-0" | 2



GENERAL NOTES:

1. DESIGNED FOR 15 psf DL (UP TO (2) LAYERS OF 5/8" GYP. BOARD) AND 10 psf LL.
2. FOR SPANS SUPPORTING PLASTER FINISH, 20 PSF DL USED FOR DESIGN LOAD.
3. FOR SPANS >8'-0", 40 PSF LL USED FOR DESIGN.
4. IF SPAN OR LOADING CONDITION IS DIFFERENT THAN INDICATED, CONTACT ARCHITECT.
5. ILLUSTRATION IS FOR INFORMATION PURPOSES ONLY AND DOES NOT REFLECT A SPECIFIC LOCATION.

EXTERIOR CEILING FRAMING SCHEDULE

MAX. SPAN	MIN. JOIST SIZE & SPACING	BRIDGING LOCATION	CONNECTION OF JOIST TO LEDGER
6'-0"	400S162-43 @ 16" O.C.	ONE ROW AT MID-SPAN	LS543 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L30 (SIMPSON) w/(2) #10 SCREWS EA. LEG
9'-0"	600S162-54 @ 16" O.C.	ONE ROW AT MID-SPAN	LS543 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L30 (SIMPSON) w/(2) #10 SCREWS EA. LEG
12'-0"	600S250-68 @ 16" O.C.	ONE ROW AT MID-SPAN	LS545 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG
15'-0"	800S250-68 @ 16" O.C.	ONE ROW AT MID-SPAN	LS545 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG
18'-0"	800S300-97 @ 16" O.C.	ONE ROW AT MID-SPAN	LS545 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG

SOFFIT AT STAIR STRINGER 1 1/2" = 1'-0" | 24

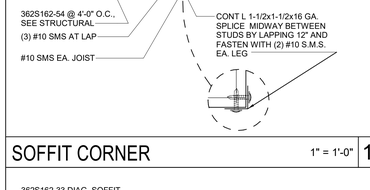
BRACKET WALL MOUNT

PROJECTION SCREEN MOUNTING 1 1/2" = 1'-0" | 18

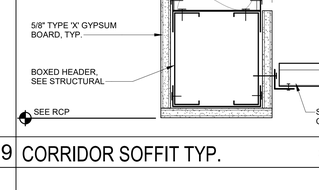
CORRIDOR SOFFIT TYP. 1 1/2" = 1'-0" | 13

SOFFIT / CEILING FRAMING - EXTERIOR (MTL.) 1/2" = 1'-0" | 3

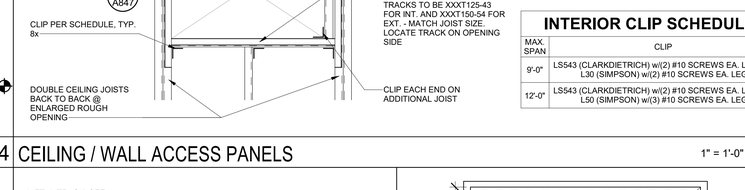
SOFFIT AT ROOF 1 1/2" = 1'-0" | 25



SOFFIT CORNER 1" = 1'-0" | 19



CORRIDOR SOFFIT TYP. 3" = 1'-0" | 14



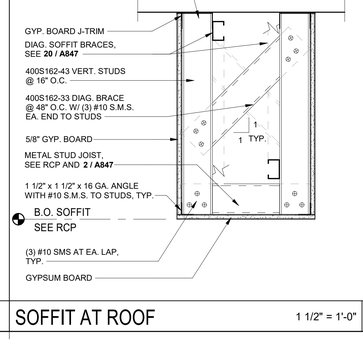
EXTERIOR CLIP SCHEDULE

MAX. SPAN	CLIP
9'-0"	LS543 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L30 (SIMPSON) w/(2) #10 SCREWS EA. LEG
12'-0"	LS543 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG
15'-0"	LS543 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG

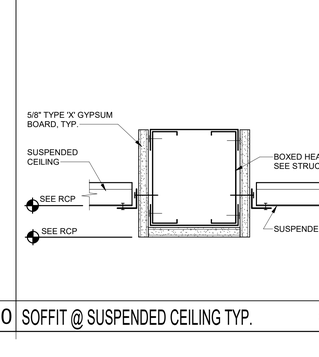
INTERIOR CLIP SCHEDULE

MAX. SPAN	CLIP
9'-0"	LS543 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L30 (SIMPSON) w/(2) #10 SCREWS EA. LEG
12'-0"	LS543 (CLARKDIETRICH) w/(2) #10 SCREWS EA. LEG OR, L50 (SIMPSON) w/(3) #10 SCREWS EA. LEG

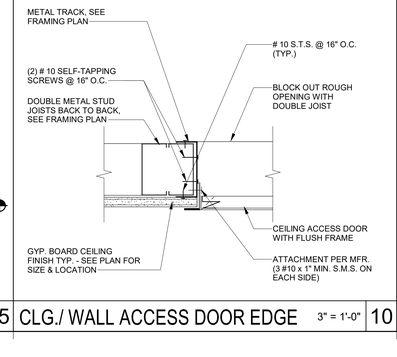
CEILING / WALL ACCESS PANELS 1" = 1'-0" | 4



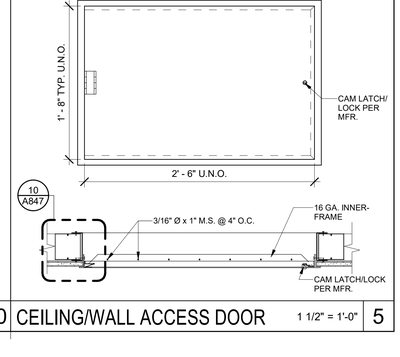
SOFFIT DIAGONAL STRAP 1" = 1'-0" | 20



SOFFIT @ SUSPENDED CEILING TYP. 3" = 1'-0" | 15



CLG./ WALL ACCESS DOOR EDGE 3" = 1'-0" | 10



CEILING/WALL ACCESS DOOR 1 1/2" = 1'-0" | 5

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
CEILING DETAILS

PROJECT NO.
22-12499

DRAWING
A847

PLOT DATE: 8/14/2026 11:05:59 AM

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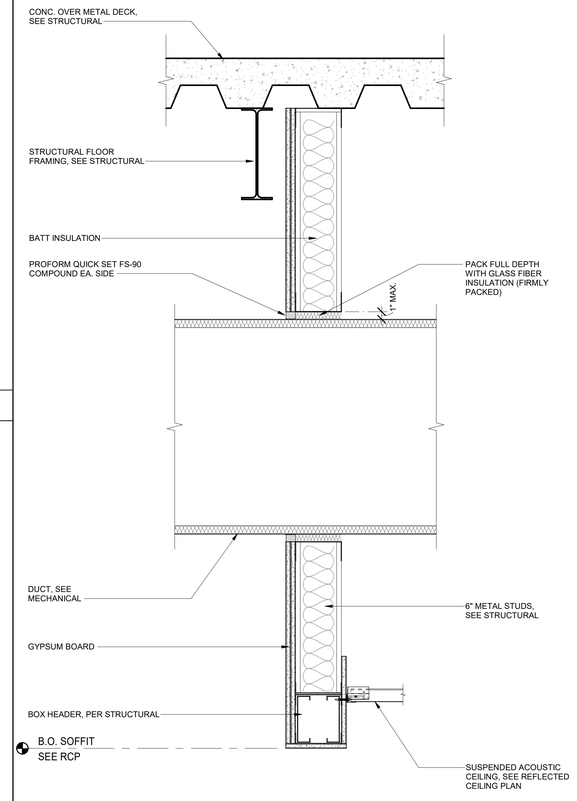
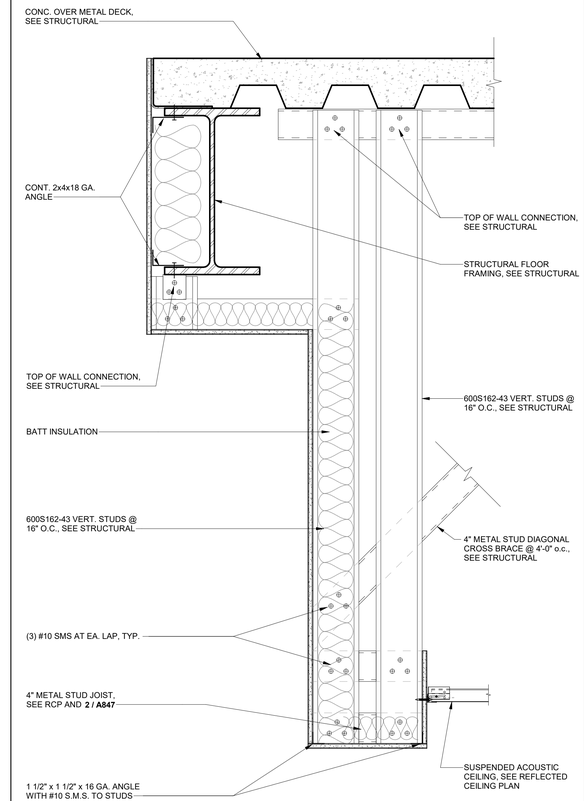
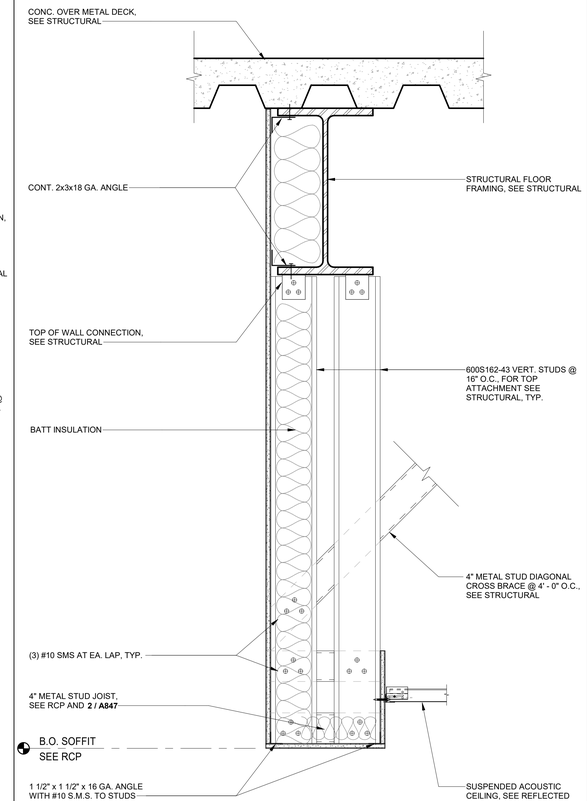


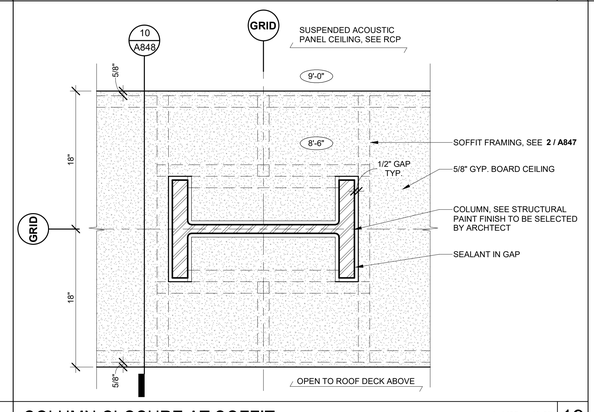
SOFFIT - SE CORRIDOR 102 — 1 1/2" = 1'-0" — 18



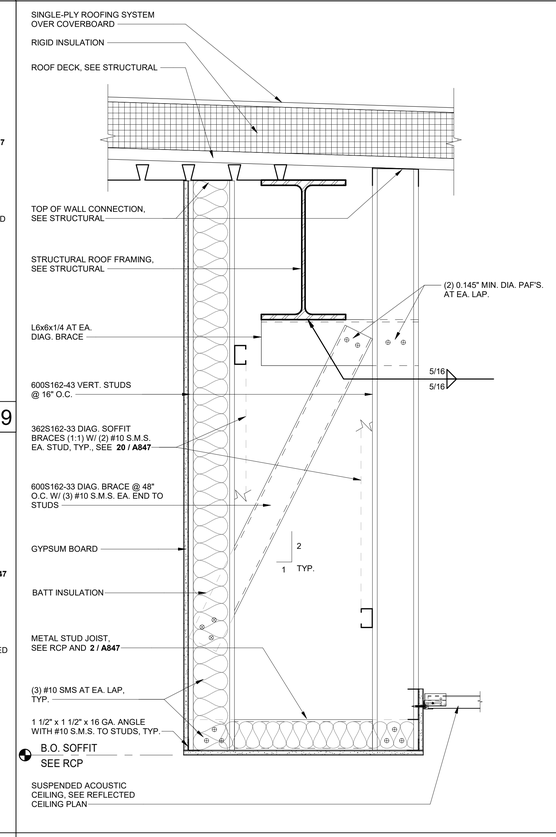
SOFFIT - SERVICE CORRIDOR 100C — 1 1/2" = 1'-0" — 8



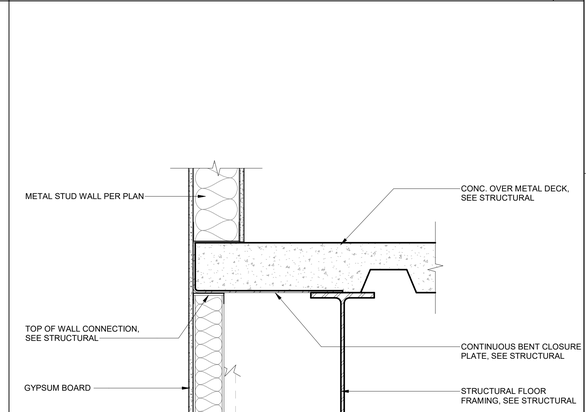
SOFFIT - SERVICE CORRIDOR 100D — 1 1/2" = 1'-0" — 3



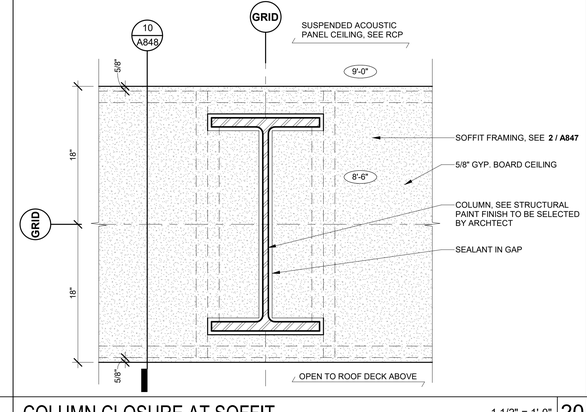
COLUMN CLOSURE AT SOFFIT — 1 1/2" = 1'-0" — 19



SOFFIT - 2ND FLOOR CORRIDOR — 1 1/2" = 1'-0" — 10



SOFFIT - NORTH LOUNGE 100B / STAFF 138 — 1 1/2" = 1'-0" — 5



COLUMN CLOSURE AT SOFFIT — 1 1/2" = 1'-0" — 20

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DRAWING TITLE
CEILING DETAILS

PROJECT NO.
22-12499

DRAWING
A848

PLOT DATE: 8/14/2026 11:06:01 AM

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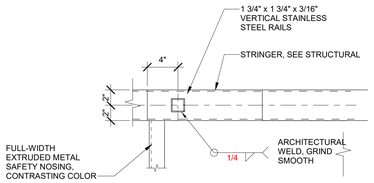
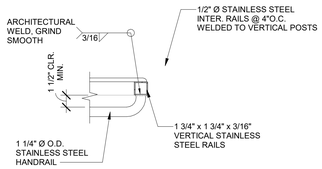
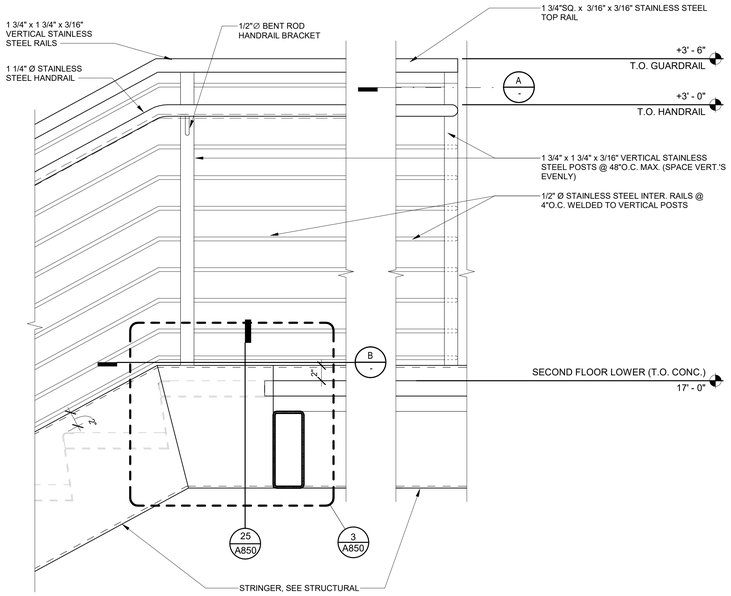


DETAIL B - PLAN VIEW

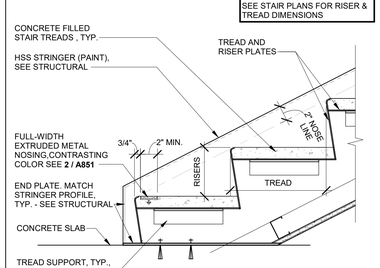


DETAIL A - PLAN VIEW

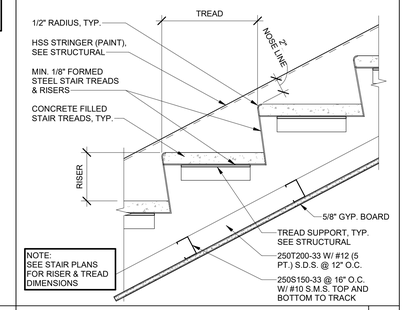


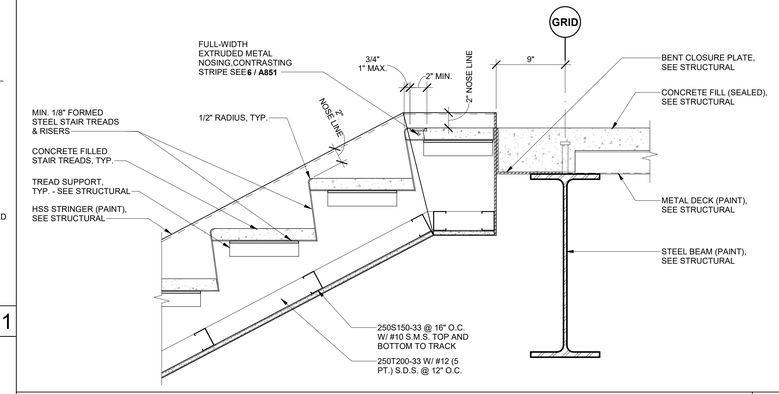
STAIR - FLOOR LANDING — 1 1/2" = 1'-0" — 16

NOTE:
SEE STAIR PLANS FOR RISER & TREAD DIMENSIONS



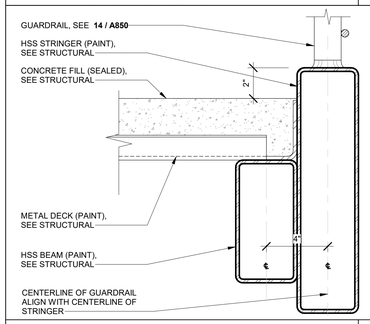
TYP. CONC. FILLED METAL PAN TREAD — 1 1/2" = 1'-0" — 11



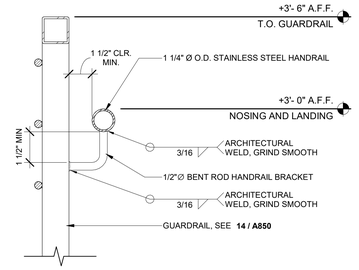


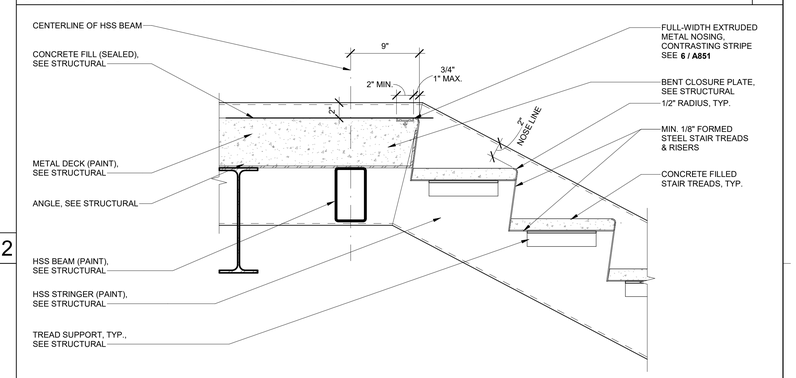
STAIR 2 - TOP OF STAIR LANDING — 1 1/2" = 1'-0" — 1

STAIR STRINGER/RAILING — 3" = 1'-0" — 17

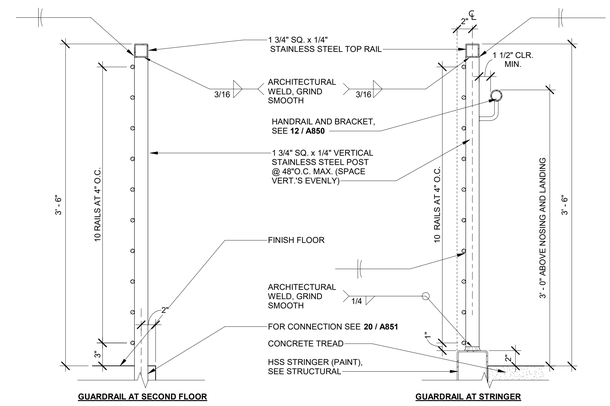


HANDRAIL BRACKET AT STAIR — 3" = 1'-0" — 12

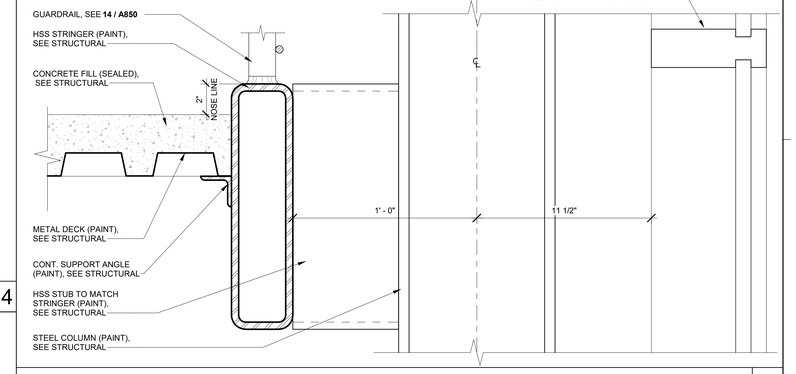




STAIR 1 - TOP OF STAIR — 3

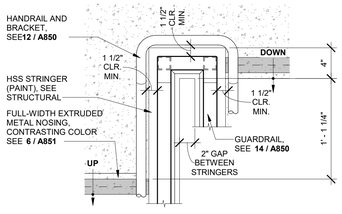


TYP. GUARDRAIL — 1 1/2" = 1'-0" — 14

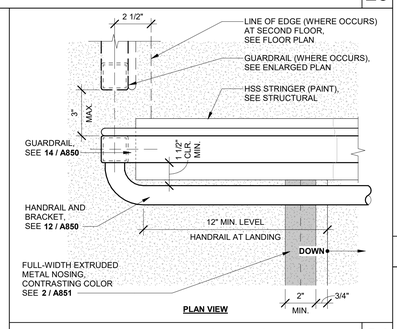


STAIR 1 - STRINGER/RAILING TO COLUMN — 3" = 1'-0" — 4

STAIR / GUARDRAIL AT TOP LANDING — 1 1/2" = 1'-0" — 23

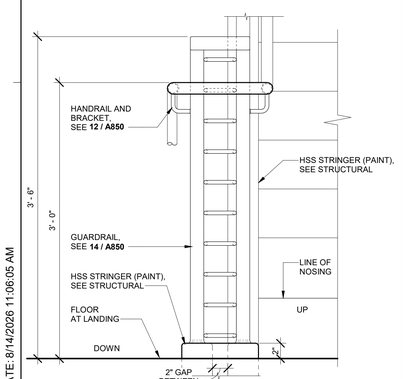


PLAN VIEW

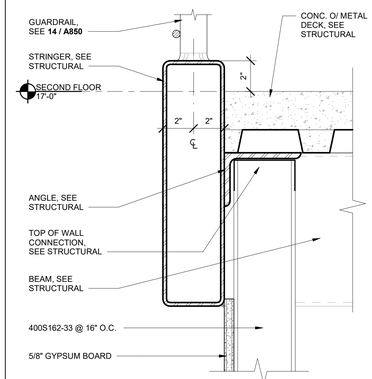


PLAN VIEW

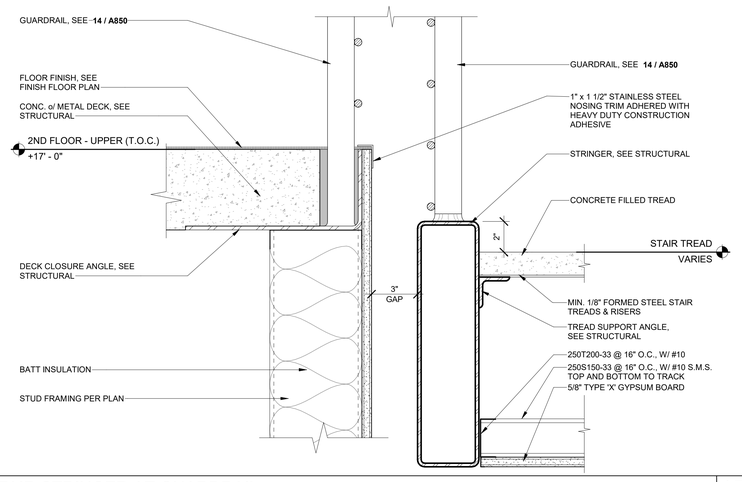
HANDRAIL RETURN AT STAIRS — 3" = 1'-0" — 24



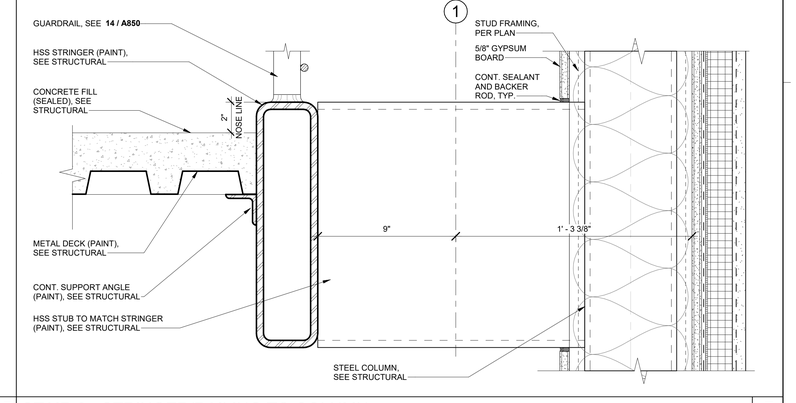
STAIR HANDRAIL ELEVATION — 1 1/2" = 1'-0" — 30



STAIR STRINGER AT EDGE — 3" = 1'-0" — 25



STAIR STRINGER AT GUARDRAIL — 3" = 1'-0" — 15



STAIR 2 - STRINGER/RAILING TO COLUMN — 3" = 1'-0" — 5

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915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
VERTICAL SYSTEMS DETAILS

PROJECT NO.
22-12499

DRAWING
A850

PLOT DATE: 8/14/2026 11:06:05 AM

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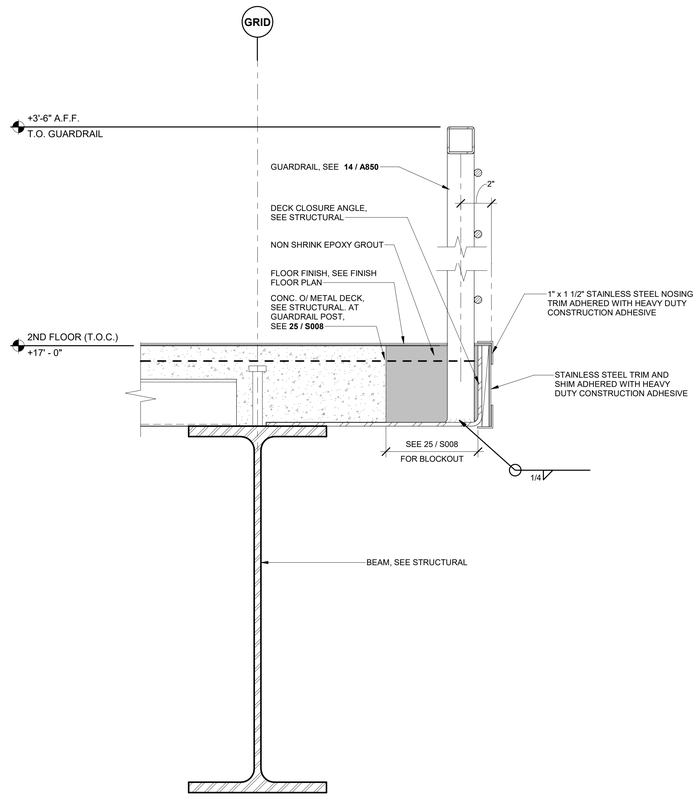
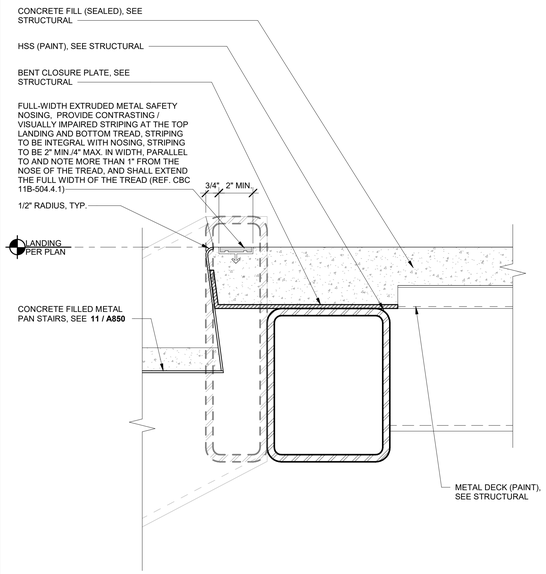
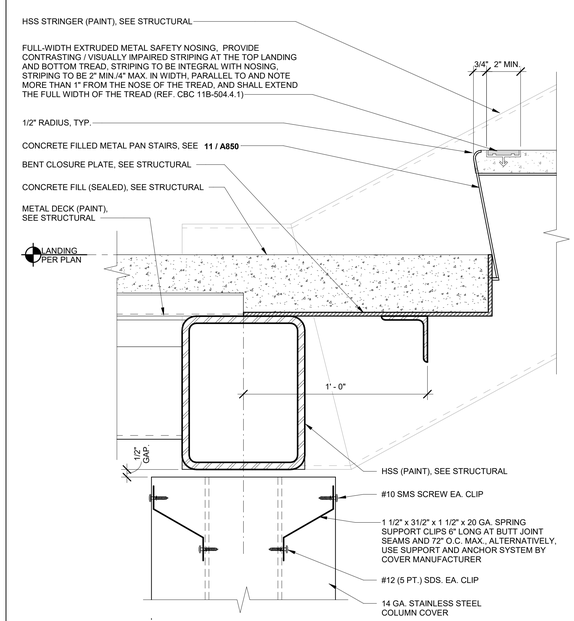


GUARDRAIL AT SLAB EDGE 3" = 1'-0" 13



STAIR AT LANDING 3" = 1'-0" 6



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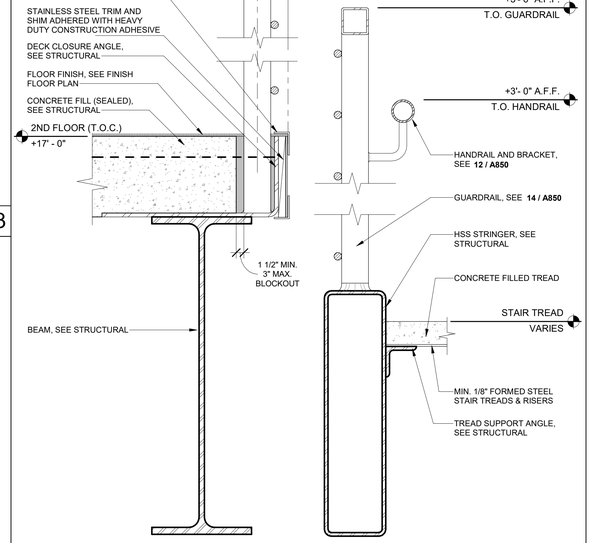
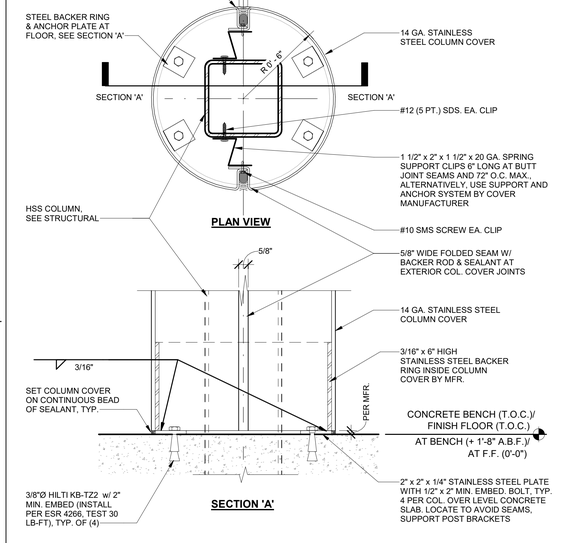
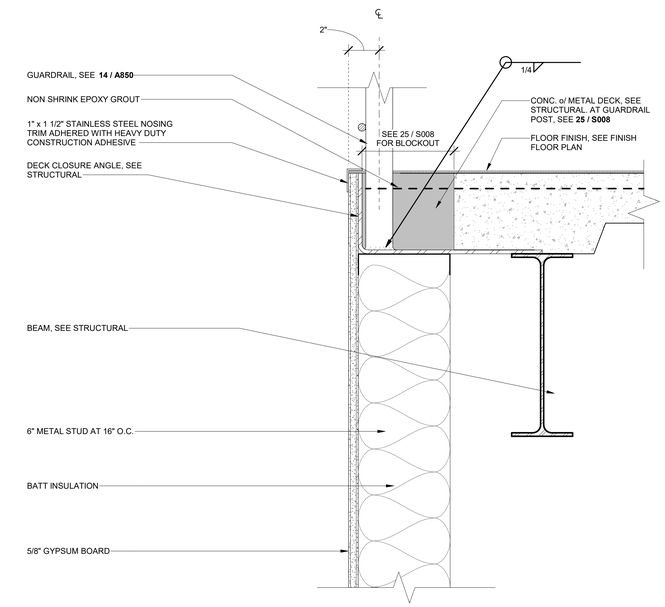


GUARDRAIL AT 2ND FLOOR EDGE 3" = 1'-0" 9



COLUMN COVER AT STAIR 3" = 1'-0" 4



GUARDRAIL AT 2ND FLOOR SLAB EDGE 3" = 1'-0" 20

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DRAWING TITLE
VERTICAL SYSTEMS DETAILS

PROJECT NO.
22-12499

DRAWING
A851

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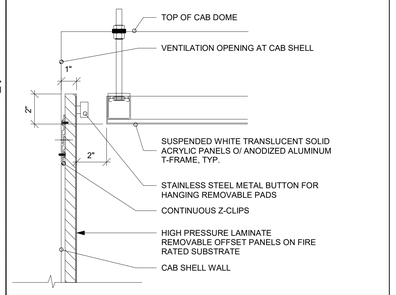
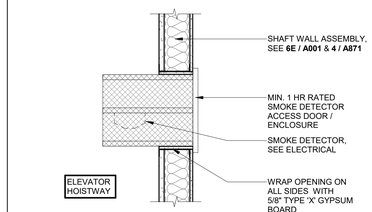
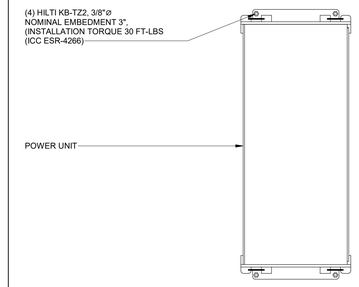


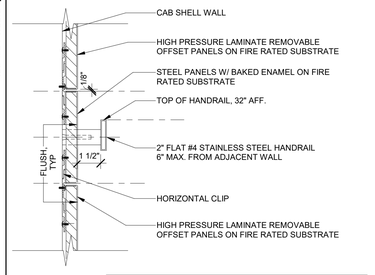
ELEVATOR CAB CEILING 3" = 1'-0" 26



SMOKE DETECTOR ACCESS ENCLOSURE 1" = 1'-0" 21

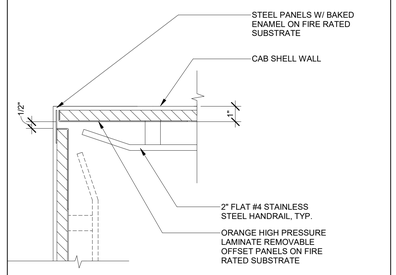


POWER UNIT ANCHORAGE 1" = 1'-0" 6



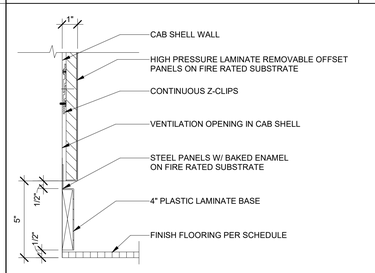
PANEL FINISHES TO WRAP EDGES OF PANEL SUBSTRATE, TYP

ELEVATOR CAB RAIL 3" = 1'-0" 27



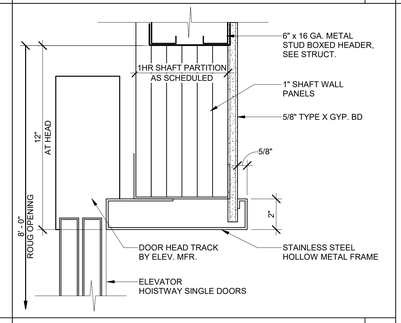
PANEL FINISHES TO WRAP EDGES OF PANEL SUBSTRATE, TYP

ELEVATOR CAB INSIDE CORNER 3" = 1'-0" 22

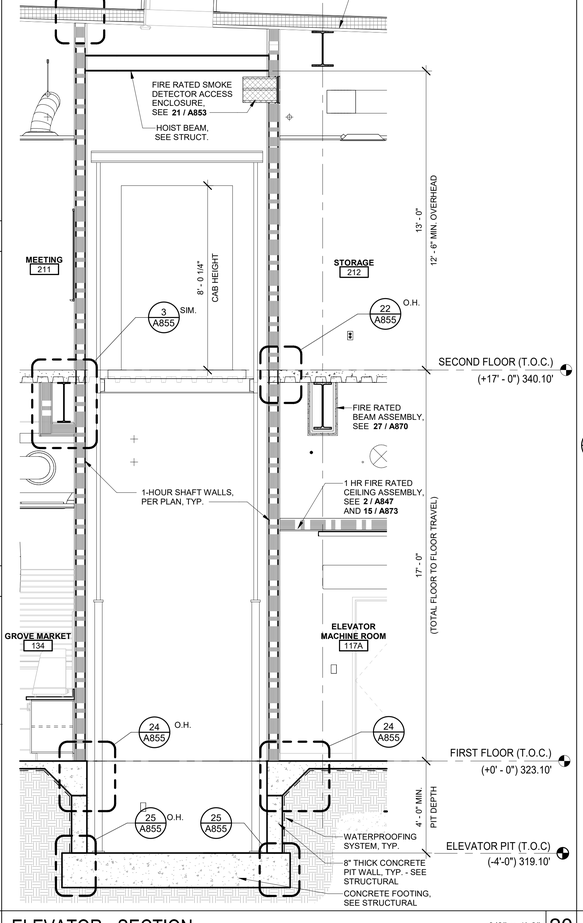


PANEL FINISHES TO WRAP EDGES OF PANEL SUBSTRATE, TYP

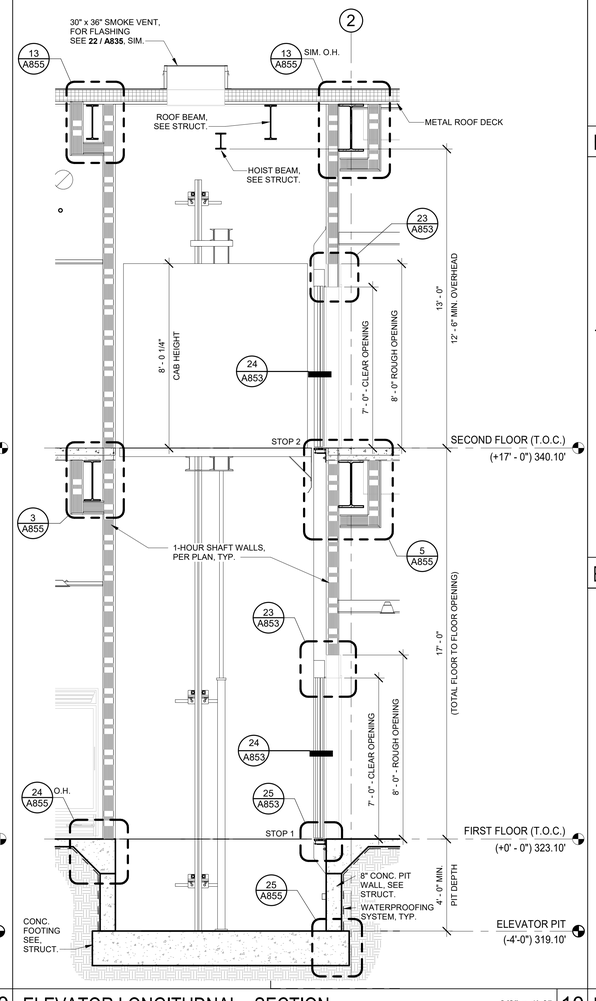
ELEVATOR CAB BASE 3" = 1'-0" 28



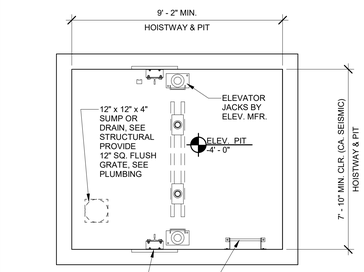
ELEVATOR HEAD 3" = 1'-0" 23



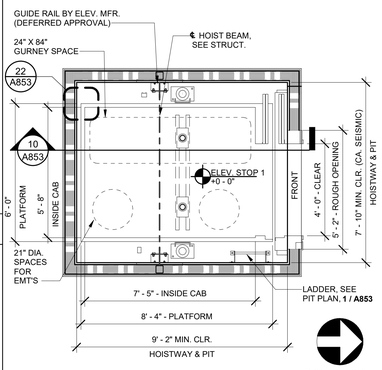
ELEVATOR - SECTION 3/8" = 1'-0" 20



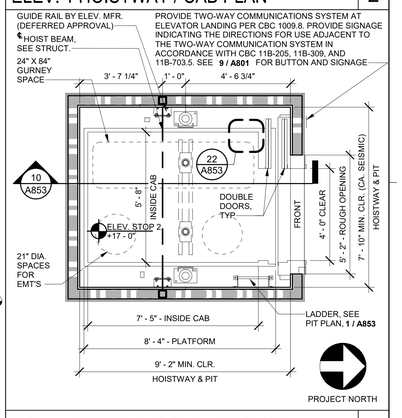
ELEVATOR LONGITUDNAL - SECTION 3/8" = 1'-0" 10



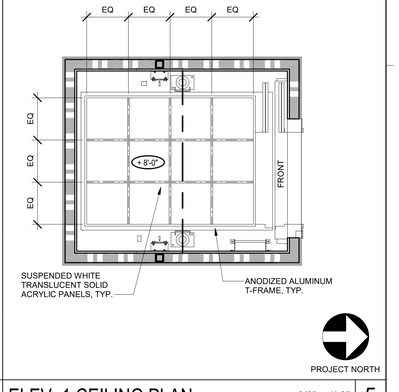
ELEV. 1 PIT PLAN 3/8" = 1'-0" 1



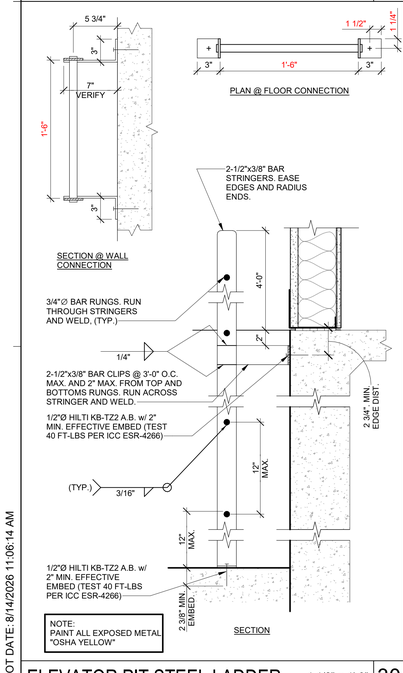
ELEV. 1 HOISTWAY / CAB PLAN 3/8" = 1'-0" 2



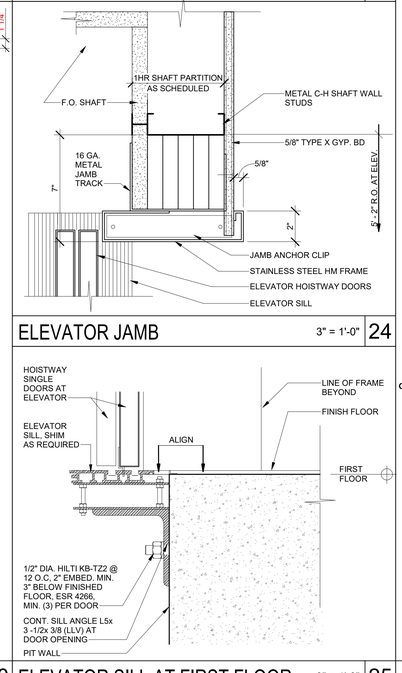
ELEV. 1 HOISTWAY / CAB PLAN - 2ND FLOOR 3/8" = 1'-0" 4



ELEV. 1 CEILING PLAN 3/8" = 1'-0" 5



ELEVATOR PIT STEEL LADDER 1 1/2" = 1'-0" 30



ELEVATOR JAMB 3" = 1'-0" 24

ELEVATOR SILL AT FIRST FLOOR 3" = 1'-0" 25

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PROJECT NO.
22-12499

DRAWING TITLE
VERTICAL SYSTEMS DETAILS

DRAWING
A853

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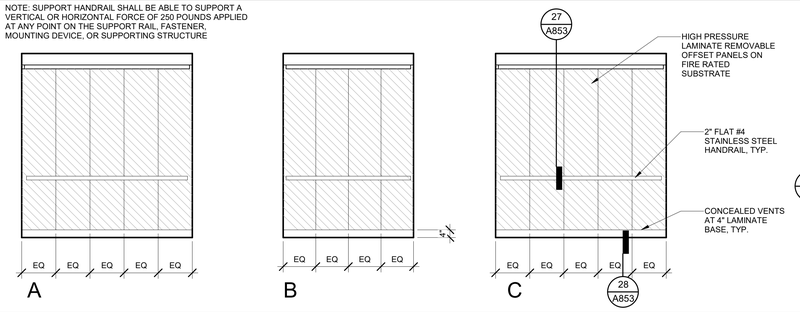
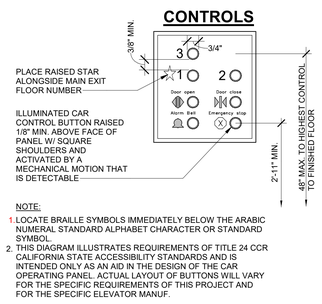
NOTE: SUPPORT HANDRAIL SHALL BE ABLE TO SUPPORT A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS APPLIED AT ANY POINT ON THE SUPPORT RAIL, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE

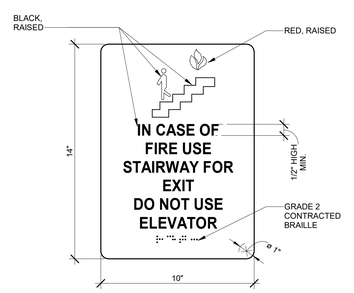


ELEVATOR CAB INTERIOR ELEVATIONS — 3/8" = 1'-0" — 1

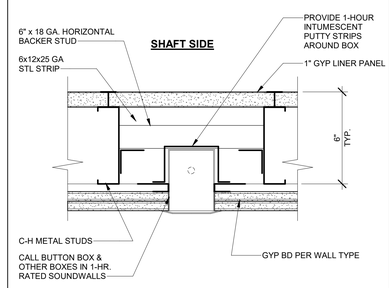


NOTE:
1. LOCATE BRAILLE SYMBOLS IMMEDIATELY BELOW THE ARABIC NUMERAL STANDARD ALPHABET CHARACTER OR STANDARD SYMBOL.
2. THIS DIAGRAM ILLUSTRATES REQUIREMENTS OF TITLE 24 CCR CALIFORNIA STATE ACCESSIBILITY STANDARDS AND IS INTENDED ONLY AS AN AID IN THE DESIGN OF THE CAR OPERATING PANEL. ACTUAL LAYOUT OF BUTTONS WILL VARY FOR THE SPECIFIC REQUIREMENTS OF THIS PROJECT AND FOR THE SPECIFIC ELEVATOR MANUF.

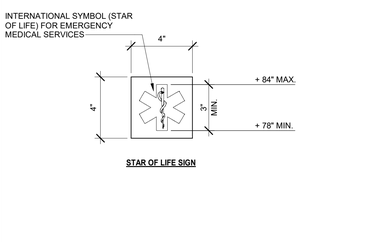
ELEVATOR CONTROLS — 3" = 1'-0" — 12



ELEVATOR EMERGENCY SIGNAGE — 3" = 1'-0" — 7



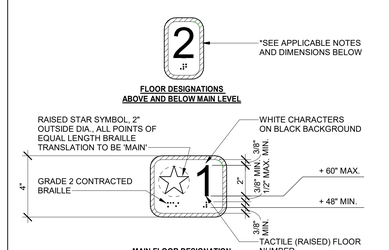
ELEVATOR CALL BUTTON AT SHAFT WALL — 3" = 1'-0" — 2



STAR OF LIFE SIGN

1. STAR OF LIFE SYMBOL SHALL BE PROVIDED ON THE MAIN FLOOR ONLY OF ELEVATORS DESIGNATED AS MEDICAL EMERGENCY SERVICE ELEVATORS.
2. STAR OF LIFE SYMBOL SHALL NOT BE LESS THAN 3" IN SIZE PER CBC 3002.4.5A.
3. SIGN SHALL BE PERMANENTLY ATTACHED TO EACH SIDE OF HOISTWAY DOOR FRAME PER CBC 3002.4.6A.

ELEVATOR STAR OF LIFE — 3" = 1'-0" — 8



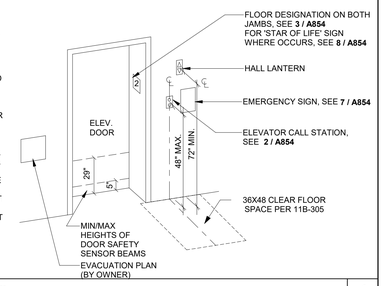
FLOOR DESIGNATIONS ABOVE AND BELOW MAIN LEVEL

MAIN FLOOR DESIGNATION

1. FLOOR DESIGNATIONS SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES ON EACH FLOOR OR LANDING LEVEL.
2. FLOOR DESIGNATIONS SHALL COMPLY WITH CBC 11B-703.2 FOR RAISED CHARACTERS, CBC 11B-703.3 FOR BRAILLE, AND CBC 11B-703.4.1 FOR MOUNTING HEIGHT.

ELEVATOR FLOOR DESIGNATION — 3" = 1'-0" — 3

NOTE:
1. THE AUTOMATIC DOOR OPENING DEVICE IS TO BE ACTIVATED WHEN OBJECTS PASS THROUGH THE DOOR AT EITHER 5" OR 29" A.F.F.
2. ELEVATORS SHALL COMPLY WITH ALL THE ACCESSIBILITY REQUIREMENTS OF CBC SECTIONS 11B-407
3. ELEVATOR CAB SHALL BE MAINTAINED APPROXIMATELY LEVEL WITH THE LANDING, IRRESPECTIVE OF THE LOAD. THE CLEARANCE BETWEEN THE CAB PLATFORM SILL AND THE EDGE OF THE HOIST-WAY LANDING SHALL BE NO GREATER THAT 1 1/4 INCHES.
4. THE CENTERLINE OF THE CORRIDOR CALL BUTTONS SHALL BE 42". ABOVE THE FINISH SURFACE. BUTTONS SHALL BE A MIN. DIMENSION OF 3/4" AND SHALL BE RAISED 1/8" +/- 1/32" ABOVE THE SURROUNDING SURFACE. THE BUTTON DESIGNATING THE UP DIRECTION SHALL BE ON TOP. VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AND EXTINGUISHED WHEN ANSWERED.
5. OBJECTS ADJACENT TO AND BELOW CALL BUTTONS SHALL NOT PROJECT MORE THAT 4" FROM THE WALL.
6. CORRIDOR CALL BUTTONS SHALL BE INTERNALLY ILLUMINATED WITH A WHITE LIGHT OVER THE ENTIRE SURFACE OF THE BUTTON. THE CALL BUTTON THAT DESIGNATES THE UP DIRECTION SHALL BE LOCATED ABOVE THE DOWN BUTTON.
7. THE MINIMUM ILLUMINATION AT THE CAR CONTROLS THRESHOLD AND THE LANDING WHEN THE CAR AND LANDING DOORS ARE OPEN SHALL BE NO LESS THAT 5 FOOT-CANDLES.
8. CONTROL BUTTONS SHALL HAVE SQUARE SHOULDERS AND BE INTERNALLY ILLUMINATED.
9. THE ELEVATOR SHALL BE AUTOMATIC AND PROVIDED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING THE CAR TO THE FLOOR LANDINGS WITHIN A TOLERANCE OF +/- 1/2" UNDER NORMAL LOADING AND UNLOADING CONDITION.
10. DOOR REOPENING DEVICES SHALL REMAIN EFFECTIVE FOR A PERIOD OF NOT LESS THAT 20 SECONDS.
11. THE MIN. ACCEPTABLE TIME FOR THE DOORS TO REMAIN OPEN SHALL NOT BE LESS THAT 5 SECONDS.
12. THE VISUAL SIGNAL FOR EACH DIRECTION SHALL BE A MIN. OF 2 1/2" HIGH BY 2 1/2" WIDE AND BE VISIBLE FROM THE PROXIMITY OF THE CORRIDOR CALL.
13. PROVIDE A TWO-WAY COMMUNICATION SYSTEM WITH BOTH AUDIBLE AND VISUAL SIGNALS AT THE ELEVATOR LANDING ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE STORY OF EXIT DISCHARGE.



ELEVATOR ACCESS COMPLIANCE STANDARDS — 1/4" = 1'-0" — 4

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
VERTICAL SYSTEMS DETAILS

PROJECT NO.
22-12499

DRAWING
A854

PLOT DATE: 8/14/2026 11:06:16 AM

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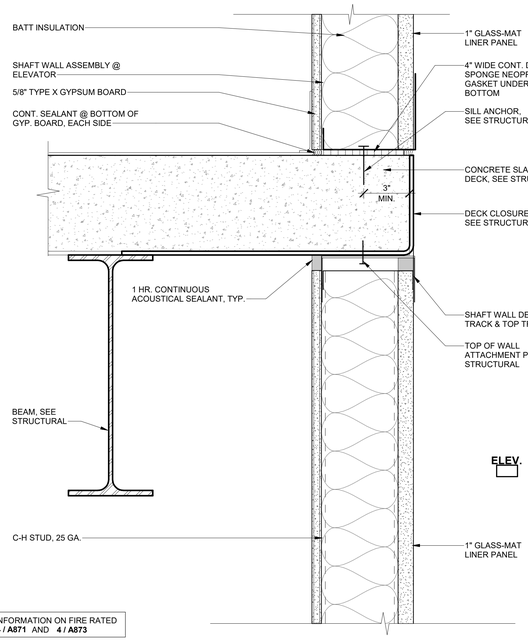
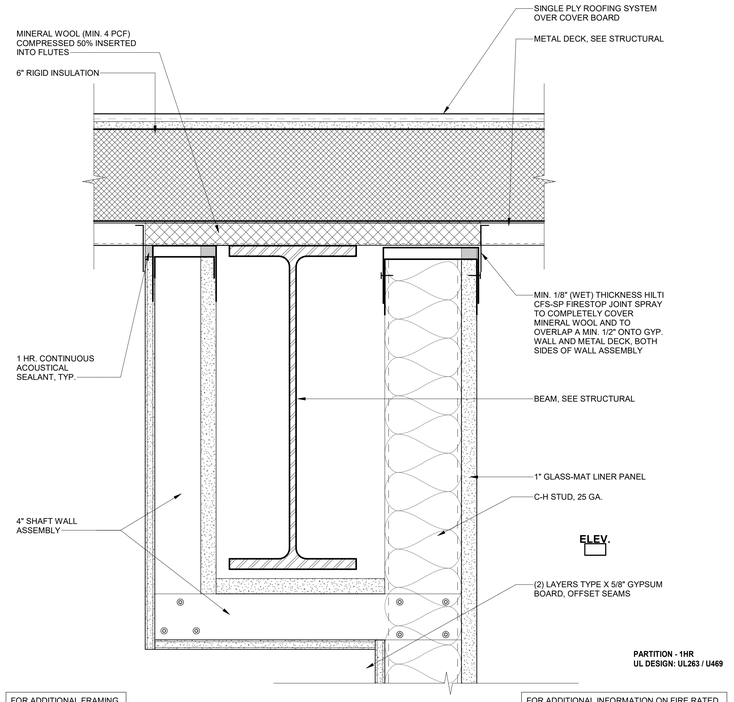


FOR ADDITIONAL INFORMATION ON FIRE RATED ASSEMBLY, SEE **4 / A871** AND **4 / A873**

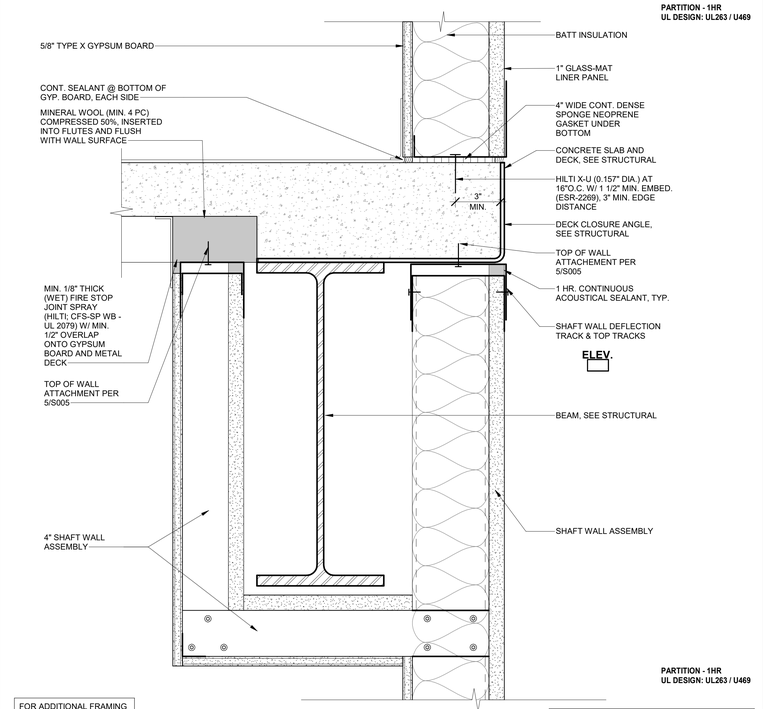
ELEVATOR SHAFT WALL AT 2F — 3" = 1'-0" — 22



FOR ADDITIONAL FRAMING INFORMATION, SEE **9 / S802**

FOR ADDITIONAL INFORMATION ON FIRE RATED ASSEMBLY, SEE **4 / A871** AND **19 / A870**

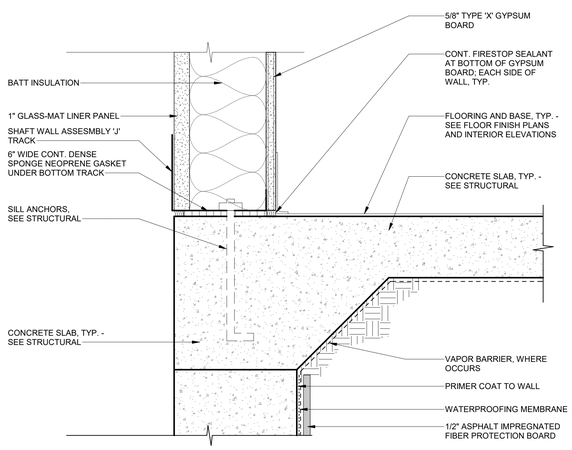
ROOF TERMINATION — 3" = 1'-0" — 13



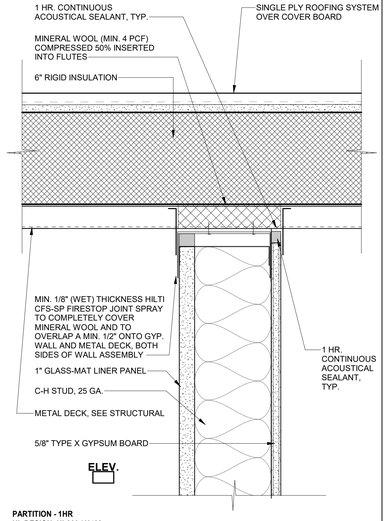
FOR ADDITIONAL FRAMING INFORMATION, SEE **9 / S802**

FOR ADDITIONAL INFORMATION ON FIRE RATED ASSEMBLY, SEE **4 / A871** AND **4 / A873**

ELEVATOR SHAFT WALL AT SECOND FLOOR — 3" = 1'-0" — 3

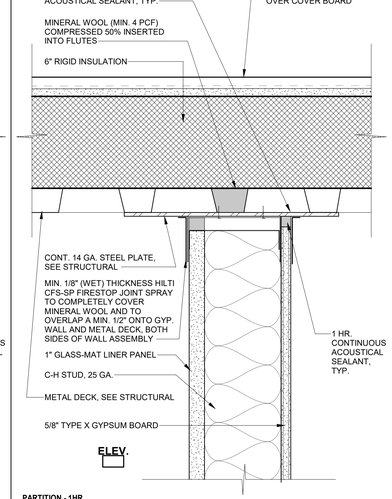


ELEVATOR SHAFT WALL AT FIRST FLOOR SLAB, TYP. — 3" = 1'-0" — 24



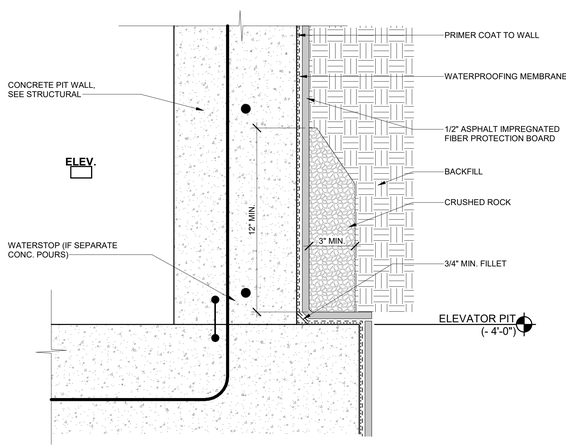
FOR ADDITIONAL INFORMATION ON FIRE RATED ASSEMBLY, SEE **4 / A871** AND **19 / A870**

ROOF TERMINATION — 3" = 1'-0" — 19

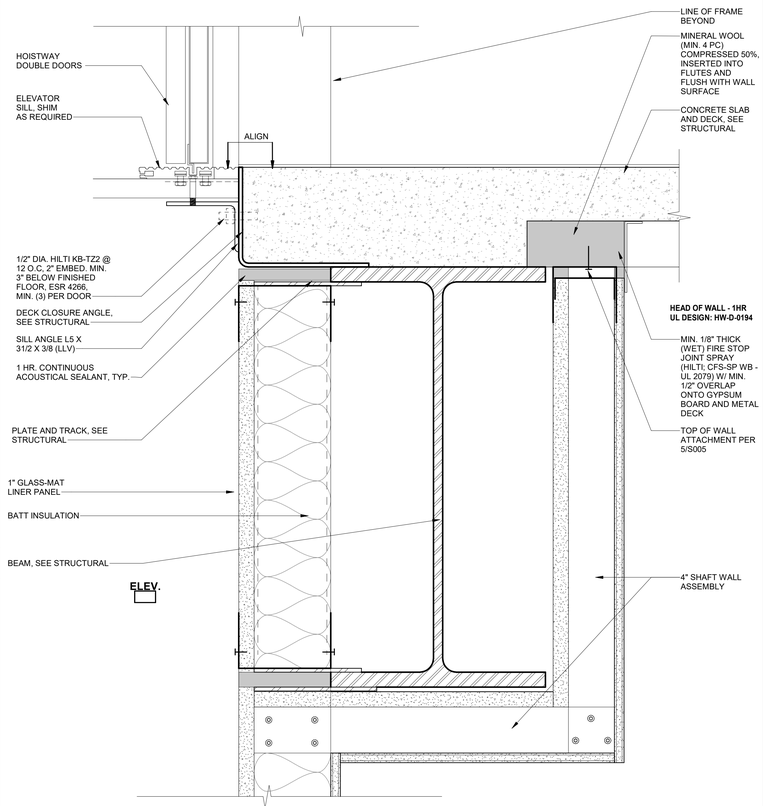


FOR ADDITIONAL INFORMATION ON FIRE RATED ASSEMBLY, SEE **4 / A871** AND **19 / A870**

ROOF TERMINATION — 3" = 1'-0" — 14



ELEVATOR PIT, TYP. — 3" = 1'-0" — 25



FOR ADDITIONAL INFORMATION ON FIRE RATED ASSEMBLY, SEE **4 / A871** AND **4 / A873**

ELEVATOR SHAFT WALL AT SECOND FLOOR OPENING — 3" = 1'-0" — 5

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DRAWING TITLE
VERTICAL SYSTEMS DETAILS

PROJECT NO.
22-12499

DRAWING
A855

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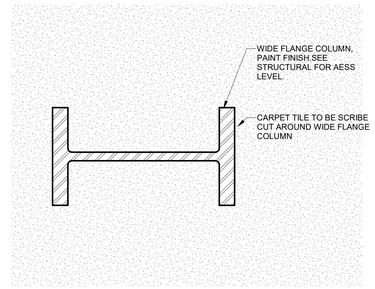
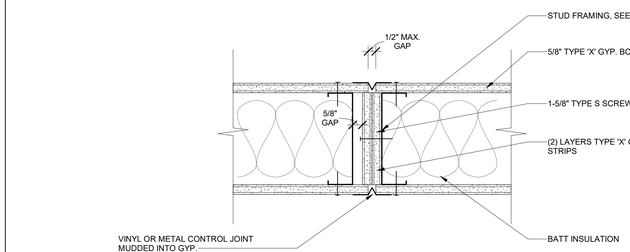
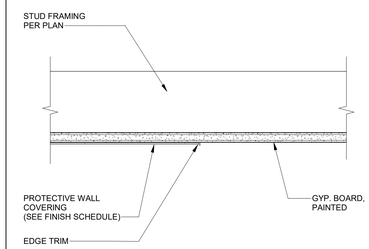


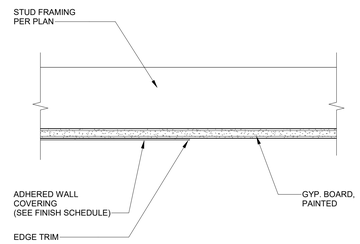
CARPET AT WIDE FLANGE COLUMN 1 1/2" = 1'-0" | 26



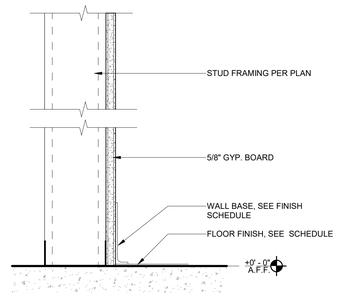
GYPSUM BOARD EXPANSION JOINT - PLAN 3" = 1'-0" | 16



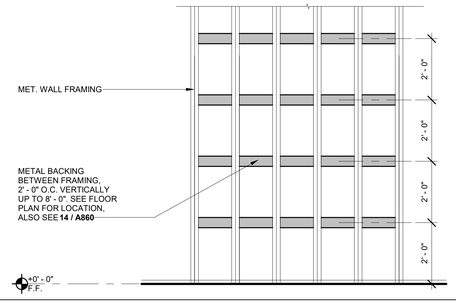
FRP AT GYP. BOARD 3" = 1'-0" | 11



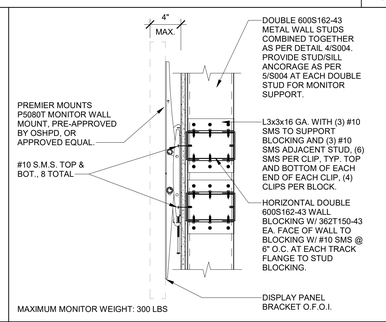
ALUMINUM WALL COVERING TO GYP. BD. 3" = 1'-0" | 6



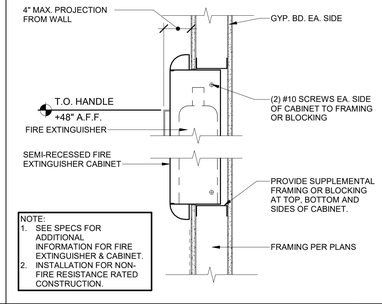
TYP. WALL BASE 3" = 1'-0" | 1



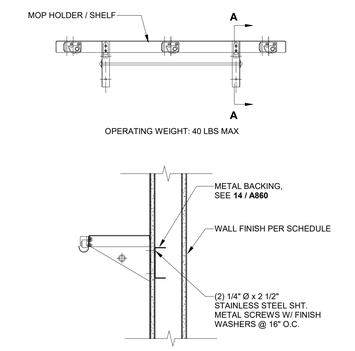
BACKING @ BOOKSTORE 1/2" = 1'-0" | 22



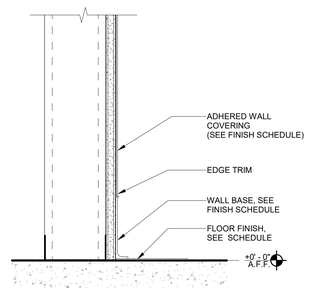
DISPLAY PANEL MOUNT DETAIL 1 1/2" = 1'-0" | 17



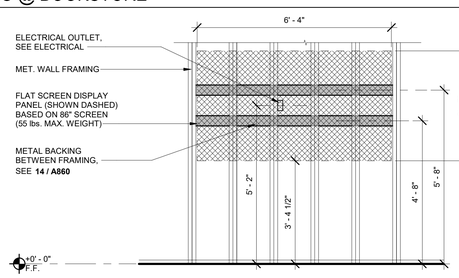
FIRE EXTINGUISHER CABINET 1 1/2" = 1'-0" | 12



MOP HOLDER 1 1/2" = 1'-0" | 8

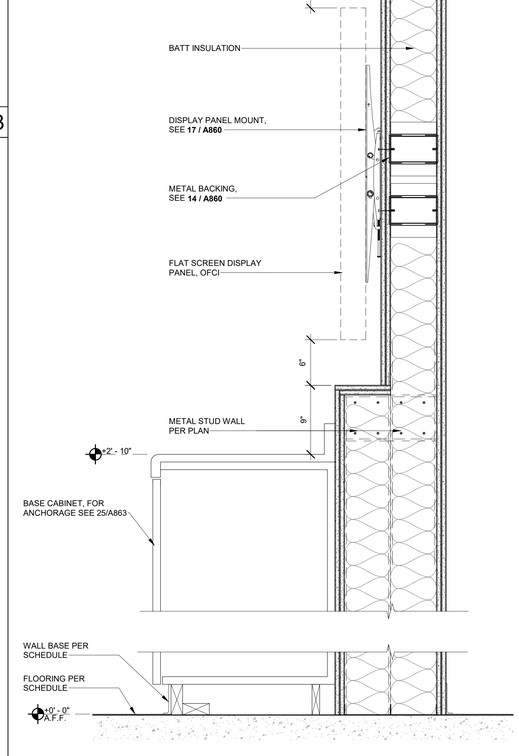


ALUMINUM WALL COVERING AT WALL BASE 3" = 1'-0" | 2

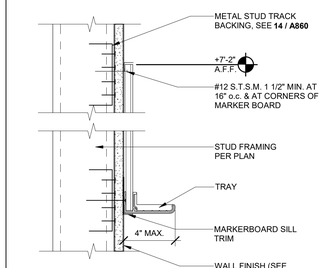


NOTES:
1. FIELD VERIFY ALL DIMENSIONS PRIOR INSTALLING BLOCKING.
2. SEE INTERIOR ELEVATIONS FOR ALTERNATE DISPLAY MONITOR CONFIGURATIONS.

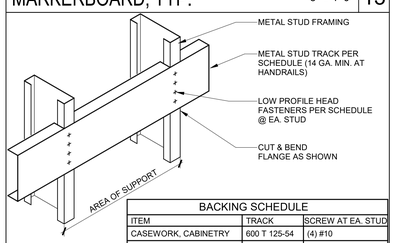
BACKING @ DISPLAY PANEL 1/2" = 1'-0" | 23



INSET DISPLAY AT MEETING 210B 1 1/2" = 1'-0" | 20

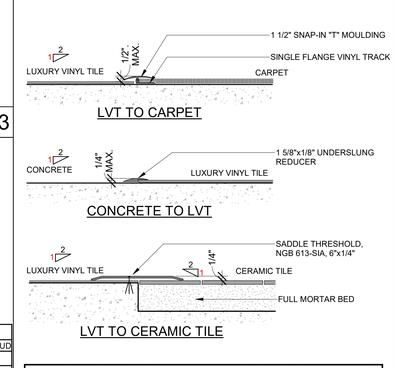


MARKERBOARD, TYP. 3" = 1'-0" | 13



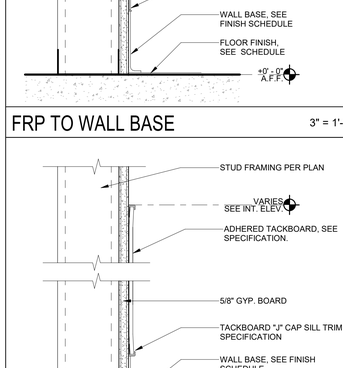
BACKING SCHEDULE		
ITEM	TRACK	SCREW AT EA. STUD
CASEWORK, CABINETRY	600 T 125-54	(4) #10
TOILET ACCESSORIES	362 T 125-54	(2) #10
GRAB BAR	600 T 125-68	(4) #10
KITCHEN EQUIPMENT, SHELVING	600 T 125-68	(4) #10
SIGNAGE	600 T 125-54	(4) #10
MISC. FRAMING	ONE SIZE LARGER	(4) #10

METAL BACKING (TYP.) 1 1/2" = 1'-0" | 14



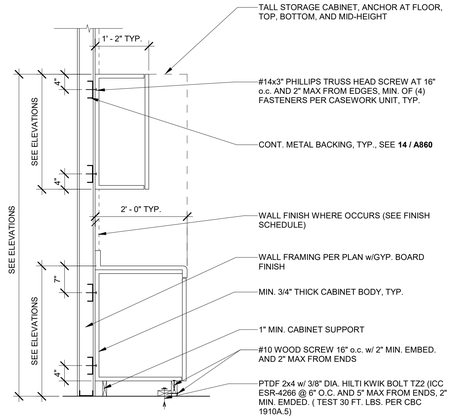
NOTE: FLOOR MATERIAL TRANSITIONS OCCUR @ CENTERLINE OF DOORS WHERE APPLICABLE

FLOOR TRANSITIONS 3" = 1'-0" | 9

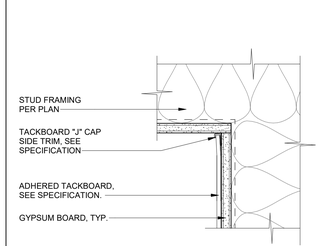


FRP TO WALL BASE 3" = 1'-0" | 3

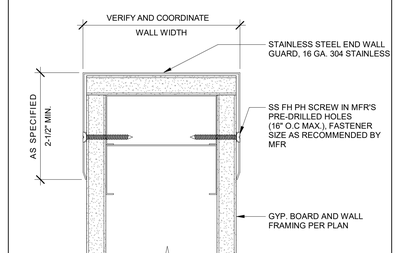
TACKBOARD 3" = 1'-0" | 4



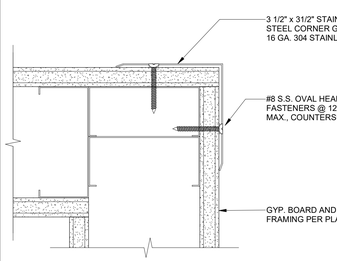
CASEWORK ANCHORAGE 3/4" = 1'-0" | 25



TACKBOARD @ WALL CORNER 3" = 1'-0" | 15



STAINLESS STL. END WALL GUARD 6" = 1'-0" | 10



CORNER GUARDS 6" = 1'-0" | 5

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DRAWING TITLE
INTERIOR DETAILS

PROJECT NO.
22-12499

DRAWING
A860

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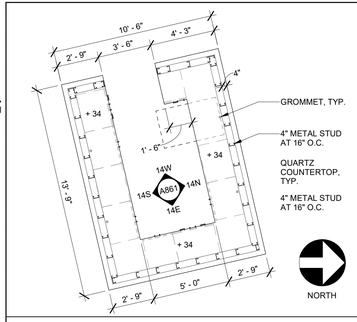
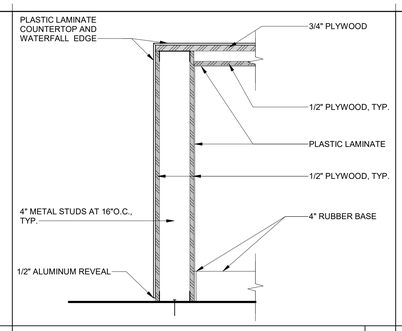
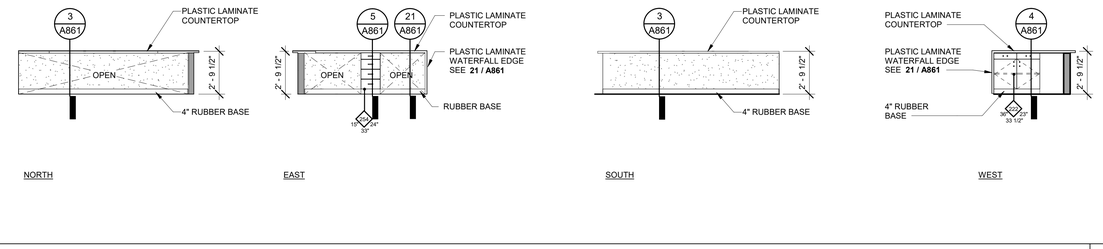


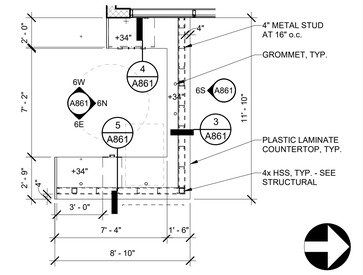
BOOKSTORE CASEWORK 1/4" = 1'-0" 26



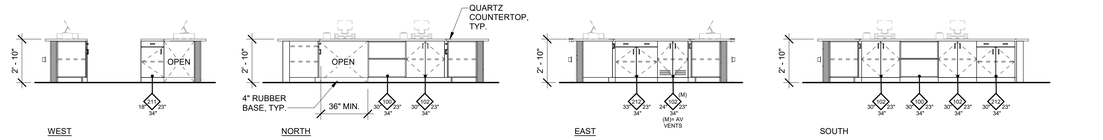
RECEPTION COUNTER - END WALL 1 1/2" = 1'-0" 21



RECEPTION 210F CASEWORK 1/4" = 1'-0" 6

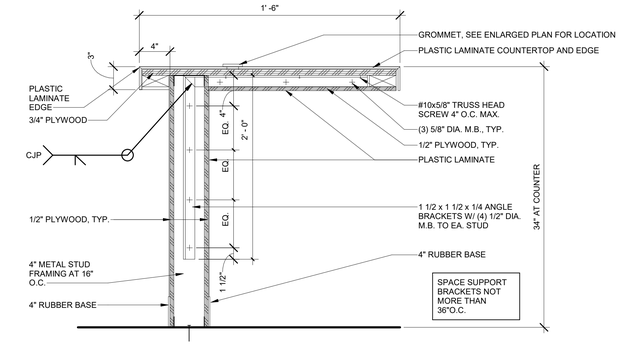


RECEPTION 210F - ENLARGED PLAN 1/4" = 1'-0" 1

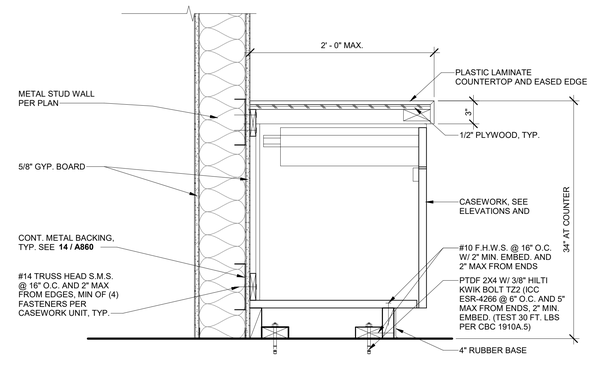


NOTE: ALL CABINET DOORS AND DRAWERS TO HAVE LOCKS

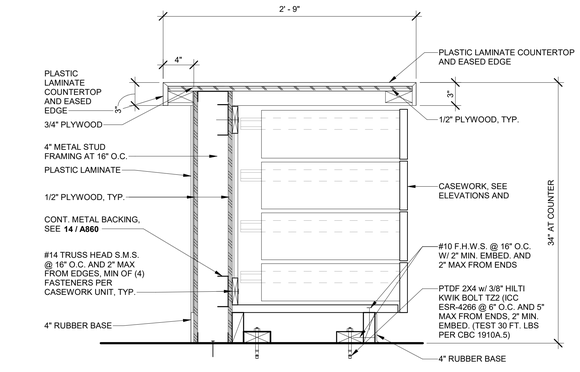
BOOKSTORE 101 CASEWORK 1/4" = 1'-0" 17



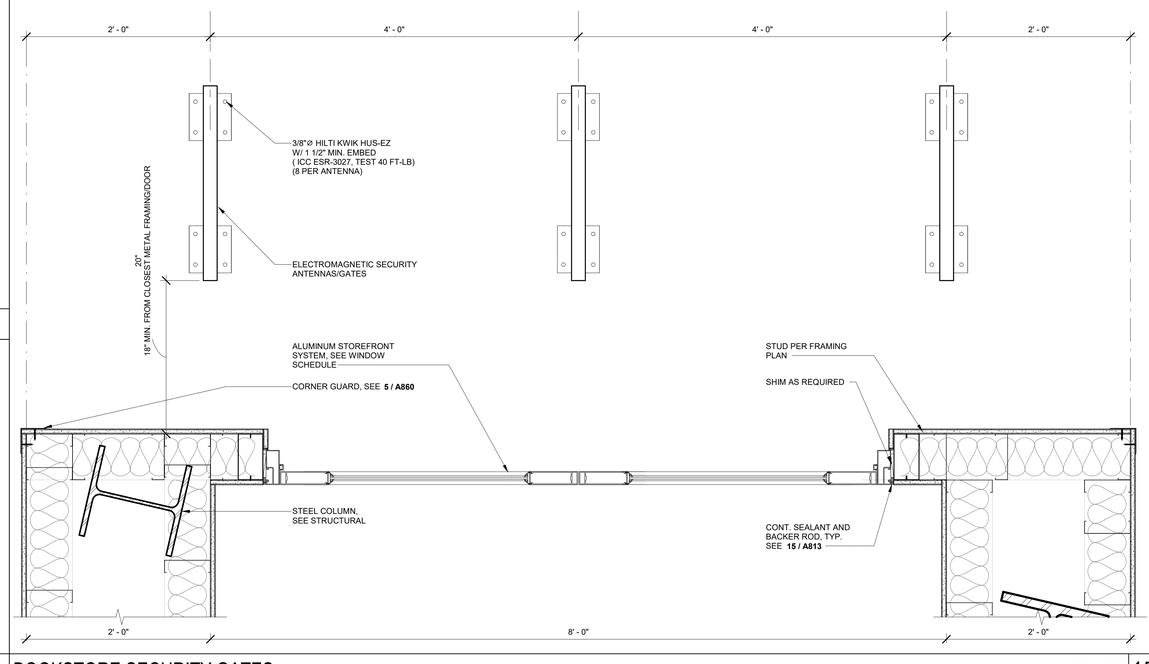
RECEPTION COUNTER 1 1/2" = 1'-0" 3



RECEPTION CASEWORK AT WALL 1 1/2" = 1'-0" 4



RECEPTION DESK FILE DRAWERS 1 1/2" = 1'-0" 5



BOOKSTORE SECURITY GATES 1 1/2" = 1'-0" 15

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR DETAILS

PROJECT NO.
22-12499

DRAWING
A861

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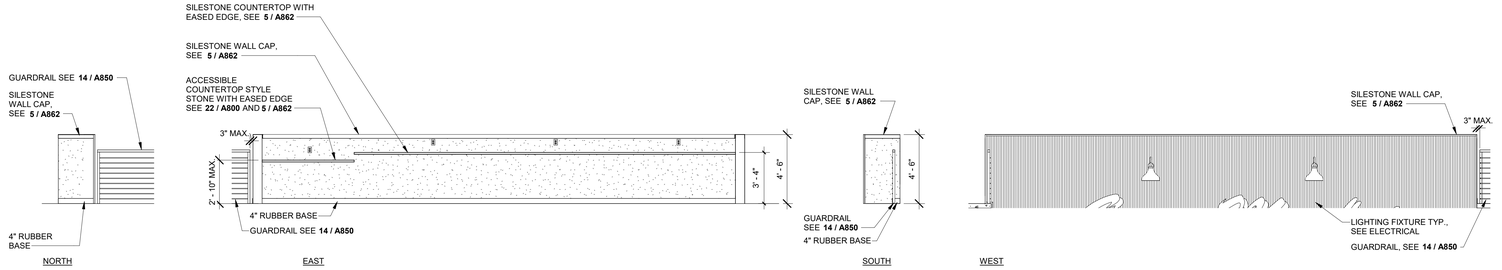
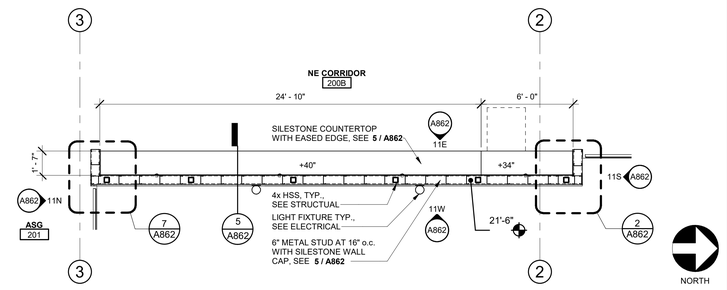
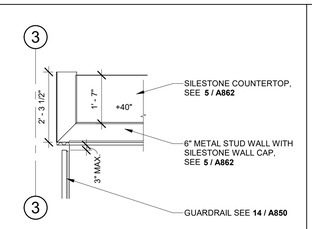


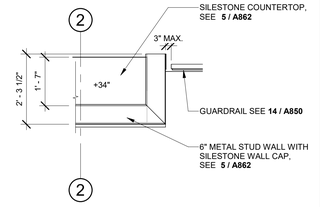
BENCHTOP ELEVATIONS — 1/4" = 1'-0" | 11



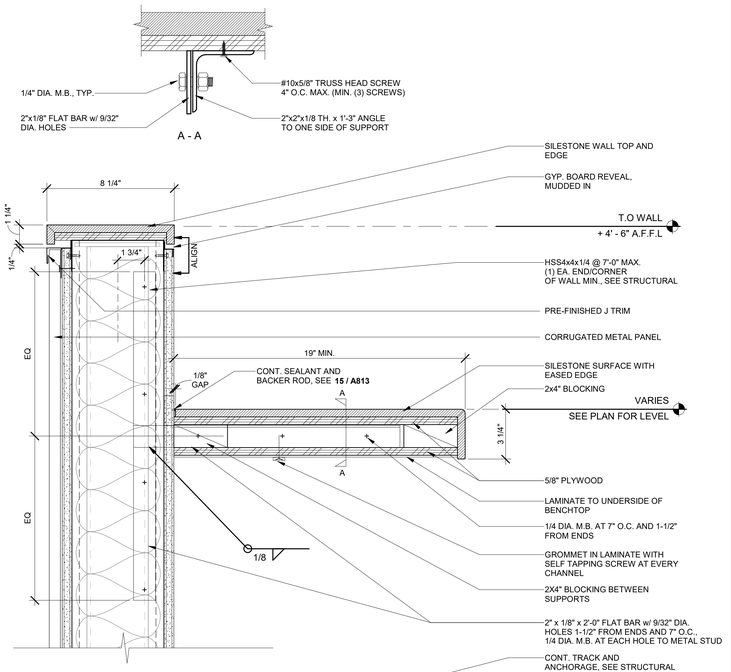
BENCHTOP - ENLARGED FLOOR PLAN — 1/4" = 1'-0" | 1



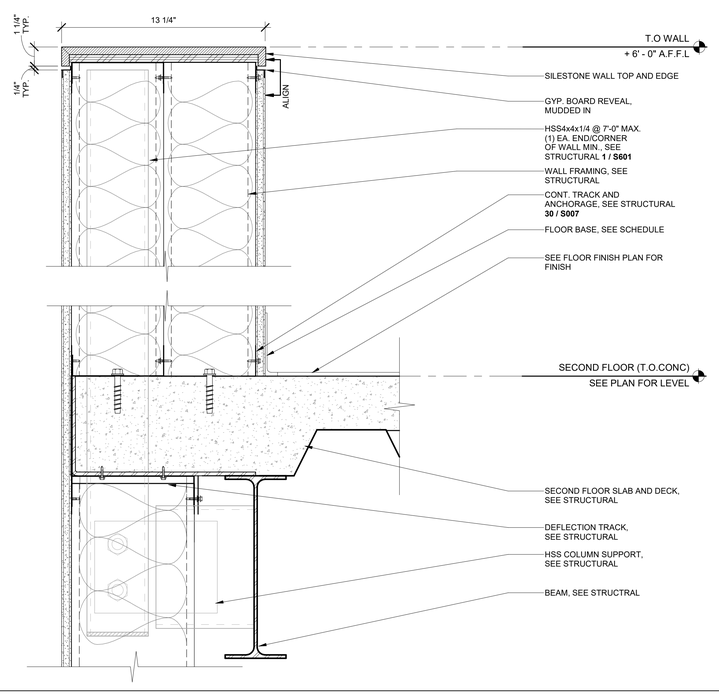
BENCHTOP ENLARGED FLOOR PLAN SOUTH — 1/2" = 1'-0" | 7



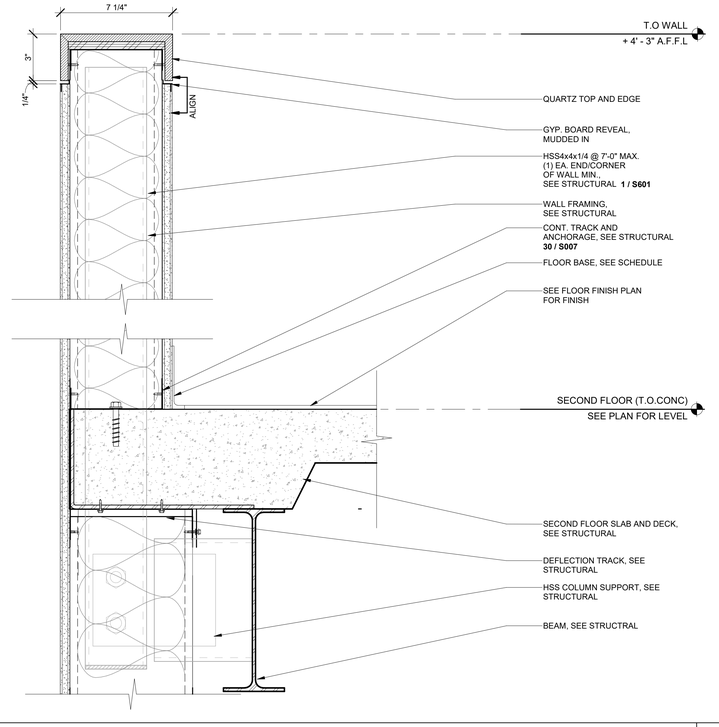
BENCHTOP ENLARGED FLOOR PLAN NORTH — 1/2" = 1'-0" | 2



BENCHTOP IN NE CORRIDOR 200B — 3" = 1'-0" | 5



PONY WALL SECTION — 3" = 1'-0" | 25



PONY WALL SECTION — 3" = 1'-0" | 15

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22-12499

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A862

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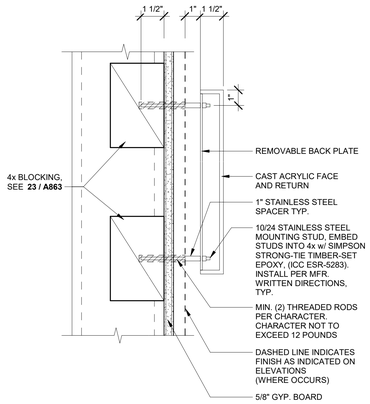
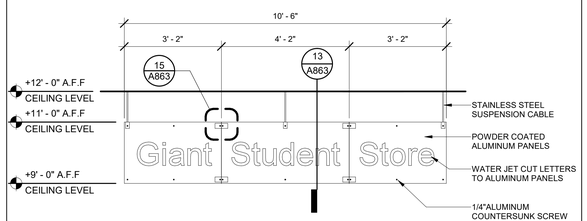
ELEVATION LOCATION	LETTER HEIGHT	LETTER THICKNESS	MOUNTING HEIGHT TO BOTTOM
CAMPUS BOOKS (SEE A420)	18"	1 1/2"	13'-6"
SUMMIT SLICE (SEE A422)	12"	1 1/2"	16'-0"

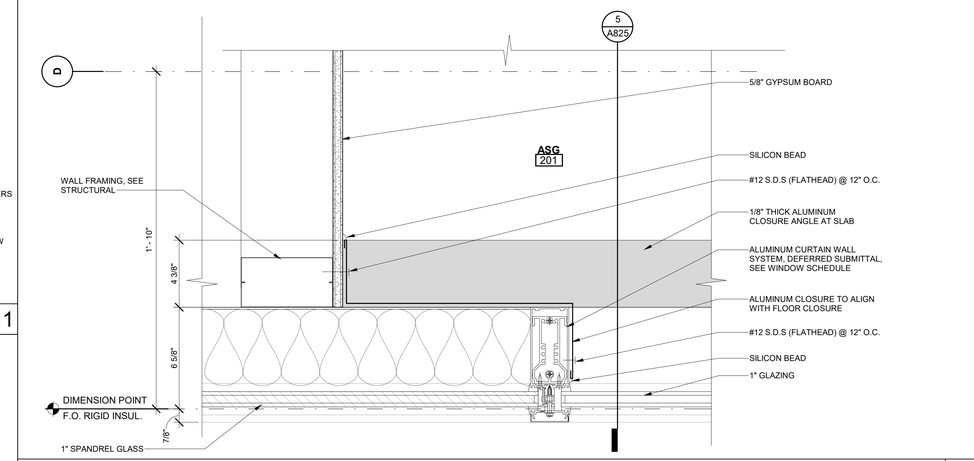
NOTE:
- MANUFACTURER SHALL SUPPLY STUD LOCATION TEMPLATES
- REFER TO INTERIOR ELEVATIONS FOR LOCATIONS



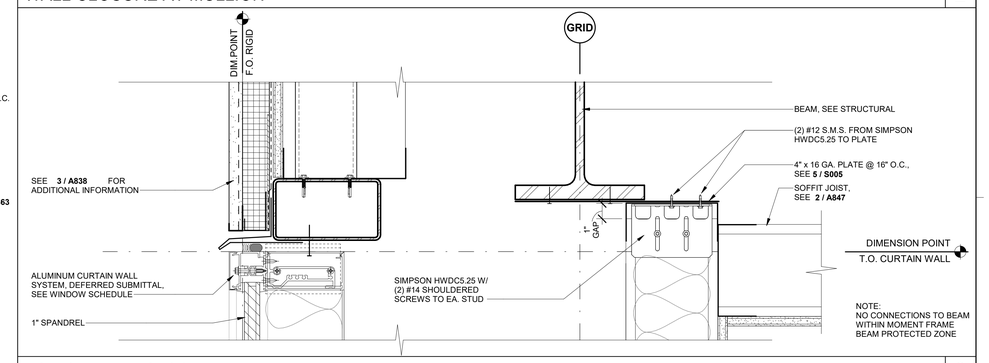
DIMENSIONAL LETTER SIGNAGE (INTERIOR) 3" = 1'-0" | 22



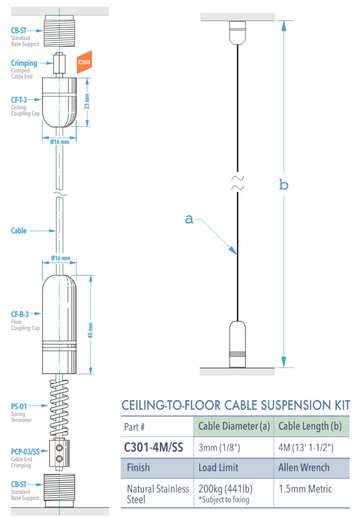
BOOKSTORE SIGNAGE ELEVATION 1/2" = 1'-0" | 11



WALL CLOSURE AT MULLION 3" = 1'-0" | 2

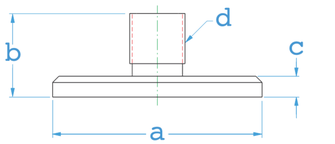


TOP OF WALL CLOSURE 3" = 1'-0" | 3



CEILING-TO-FLOOR CABLE SUSPENSION KIT

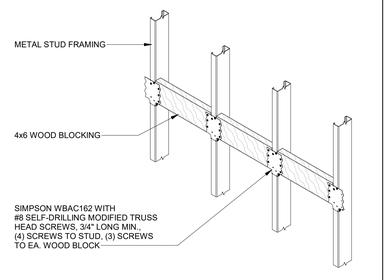
Part #	Cable Diameter (a)	Cable Length (b)
C301-4M/SS	3mm (1/8")	4M (13' 1-1/2")
Finish	Load Limit	Allen Wrench
Natural Stainless Steel	200kg (441lb) *Subject to fixing	1.5mm Metric



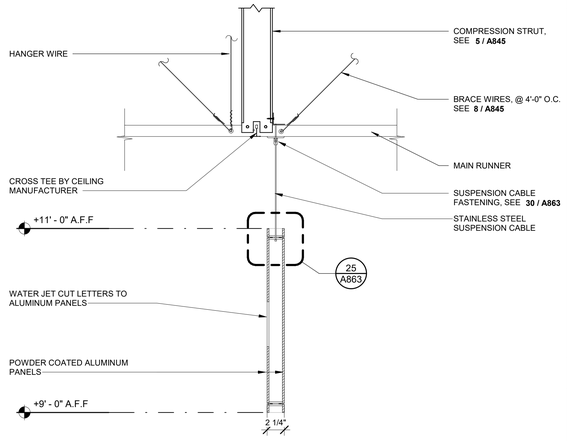
50MM BASE SUPPORT / HEAVY DUTY

Part #	Diameter (a)	Height (b)	Base Thickness (c)	Threads (d)
CB-50/SS	50mm (2")	20mm (25/32")	5mm (13/64")	M12 *Use as optional base support for C100-2M/SS, C101-4M/SS, C113-3M/SS cable sets.
	Finish	Load Limit	Screw Hole Dia.	
	Natural Stainless Steel	200kg (441lbs) *Subject to fixing	3 x 6mm (15/64")	

SUSPENSION CABLE N.T.S. | 30



WOOD BACKING @ MTL. STUD N.T.S. | 23



SIGNAGE SECTION 1 1/2" = 1'-0" | 13

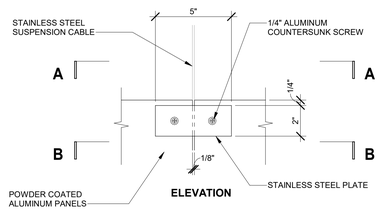
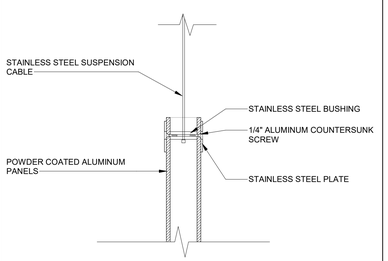
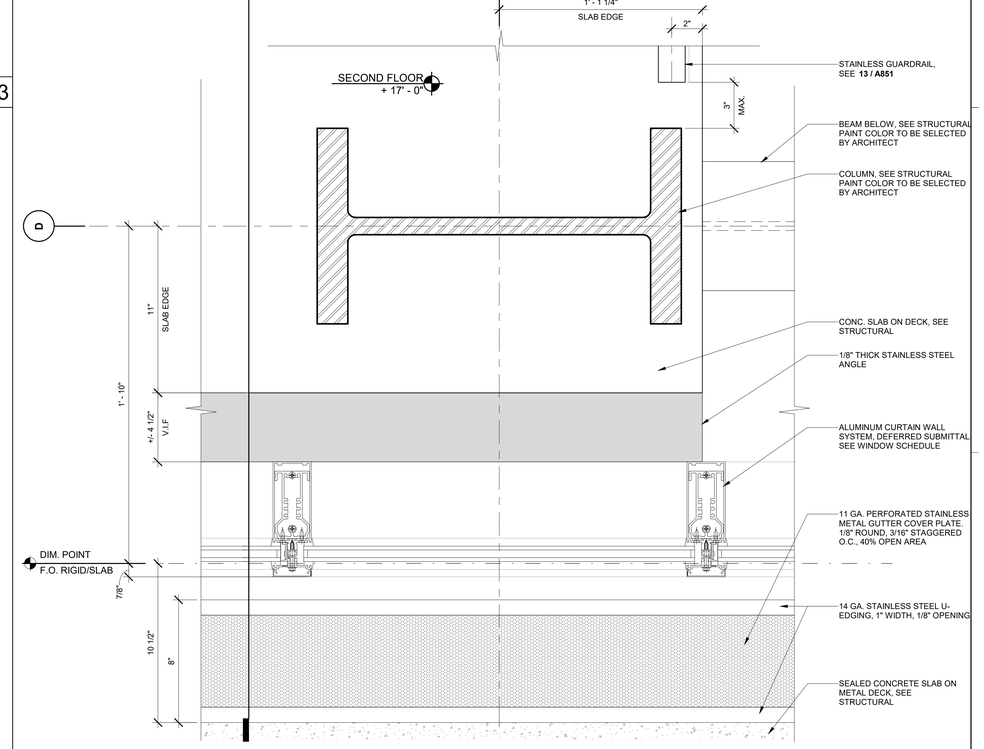


PLATE FASTENING 3" = 1'-0" | 15



SIGNAGE TO CABLE FASTENING 3" = 1'-0" | 25



EDGE OF SLAB AT CURTAIN WALL 3" = 1'-0" | 5

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A863

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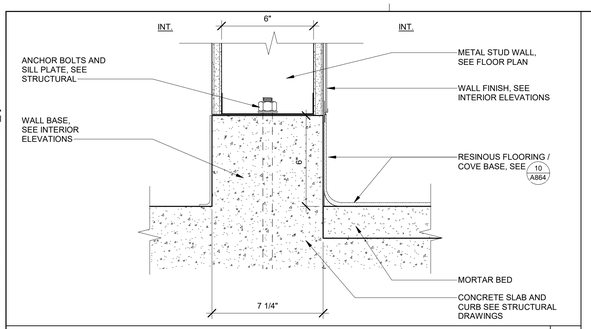
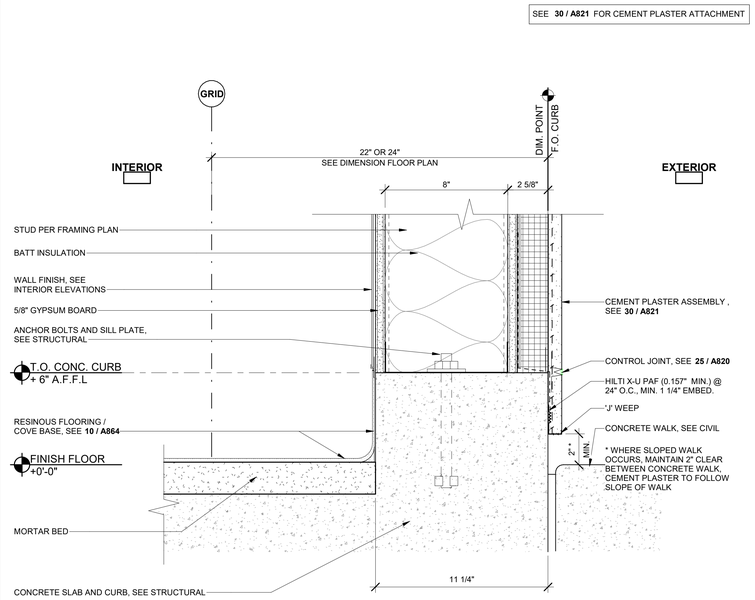
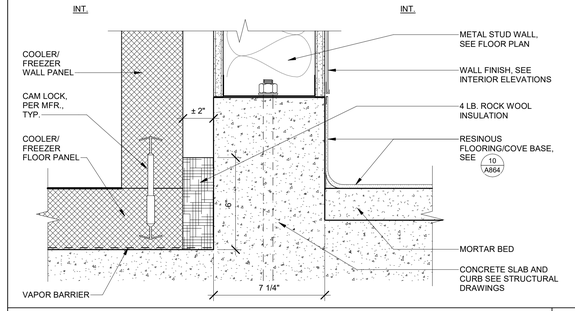


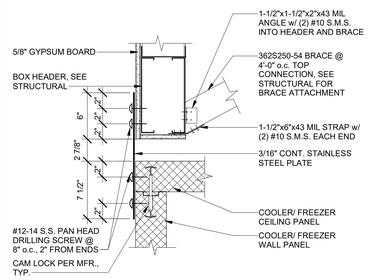
INT. CONC. CURB AT RESTAURANT SERVICE COUNTER 3" = 1'-0" 21



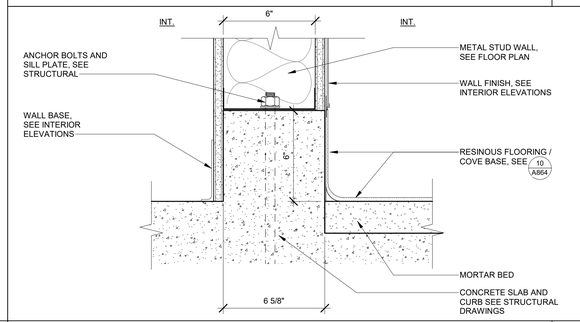
EXTERIOR CONC. CURB W/ RESINOUS FLOORING 3" = 1'-0" 12



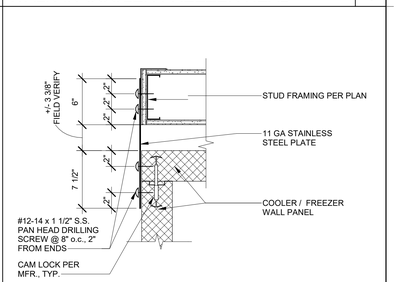
INT. CONC. CURB AT RESINOUS FLOORING / WALK-IN 3" = 1'-0" 6



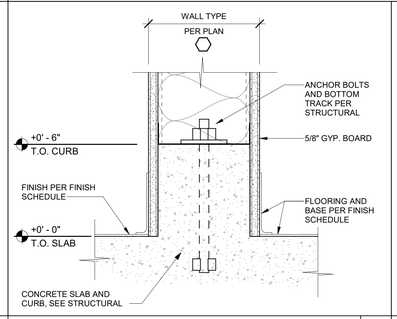
WALK-IN COOLER/FREEZER HEAD 1 1/2" = 1'-0" 1



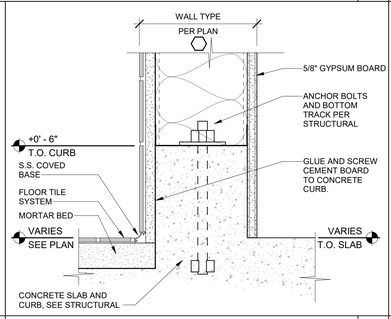
INT. CONC. CURB AT RESINOUS FLOORING (1 SIDE) 3" = 1'-0" 7



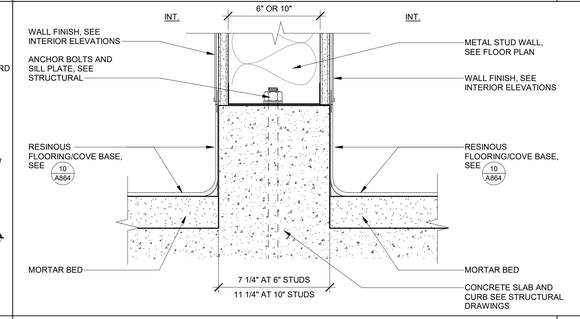
WALK-IN COOLER/FREEZER JAMB 1 1/2" = 1'-0" 2



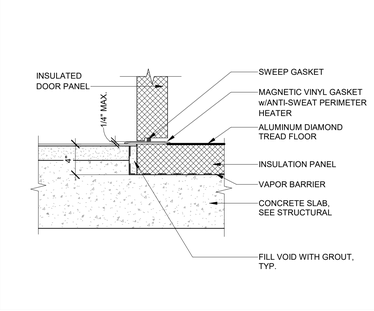
TYP. INT. CONC. CURB 3" = 1'-0" 18



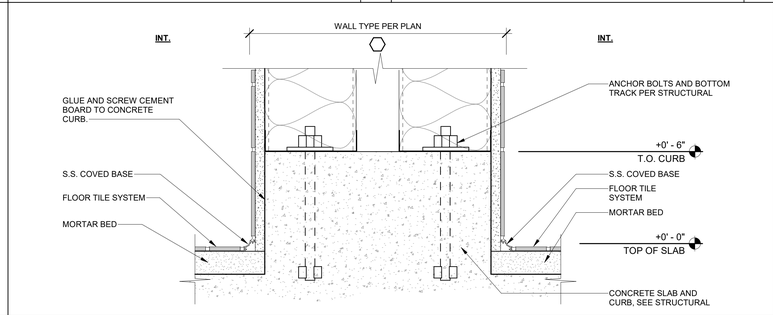
CONC. CURB AT TILE WALL 3" = 1'-0" 13



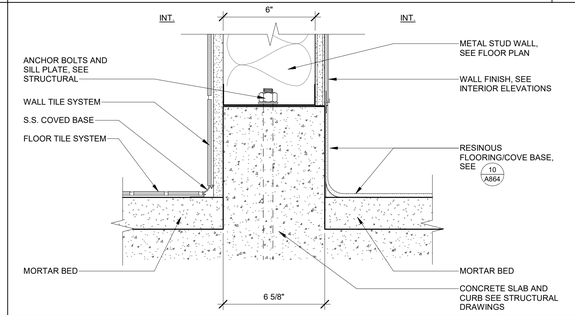
INT. CONC. CURB AT RESINOUS FLOORING 3" = 1'-0" 8



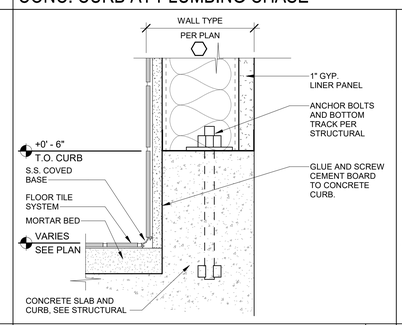
WALK-IN COOLER/FREEZER THRESHOLD 1 1/2" = 1'-0" 3



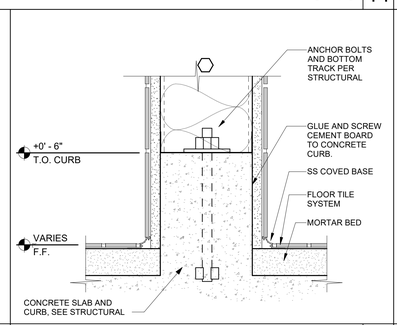
CONC. CURB AT PLUMBING CHASE 3" = 1'-0" 14



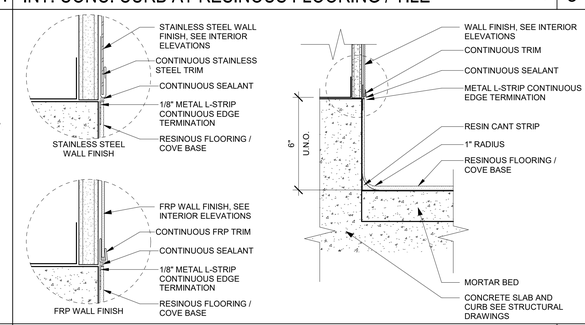
INT. CONC. CURB AT RESINOUS FLOORING / TILE 3" = 1'-0" 9



CONC. CURB AT TILE WALL / SHAFT WALL 3" = 1'-0" 20



CONC. CURB AT TILE WALL 3" = 1'-0" 15



RESINOUS FLOORING COVE BASE 3" = 1'-0" 10

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A864

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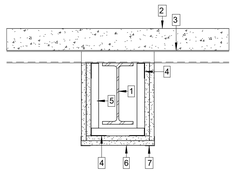
PER C.B.C. 2022 TABLE 721.1(3), ITEM 2-4.1

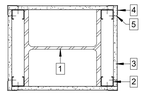
TWO LAYERS OF 5/8" TYPE X GYPSUM WALLBOARD ARE ATTACHED TO U-SHAPED BRACKETS SPACED 24" ON CENTER. 0.018" THICK (NO. 25 CARBON SHEET STEEL GAGE) 1 5/8" DEEP BY 1" GALVANIZED STEEL RUNNER CHANNELS ARE FIRST INSTALLED PARALLEL TO AND ON EACH SIDE OF THE TOP BEAM FLANGE TO PROVIDE A 1/2" CLEARANCE TO THE FLANGE. THE CHANNEL RUNNERS ARE ATTACHED TO STEEL DECK OR CONCRETE FLOOR CONSTRUCTION WITH APPROVED FASTENERS SPACED 12" ON CENTER. U- SHAPED BRACKETS ARE FORMED FROM MEMBERS IDENTICAL TO THE CHANNEL RUNNERS. AT THE BENT PORTION OF THE U-SHAPED BRACKET, THE FLANGES OF THE CHANNEL ARE CUT OUT SO THAT 1 5/8"-DEEP CORNER CHANNELS CAN BE INSERTED WITHOUT ATTACHMENT PARALLEL TO EACH SIDE OF THE LOWER FLANGE. AS AN ALTERNATIVE, 0.021" THICK (NO. 24 CARBON SHEET STEEL GAGE) 1" x 2" RUNNER AND CORNER ANGLES SHALL BE USED IN LIEU OF CHANNELS, AND THE WEB CUTOUTS IN THE U-SHAPED BRACKETS SHALL NOT BE REQUIRED. EACH ANGLE IS ATTACHED TO THE BRACKET WITH 1/2"-LONG NO. 8 SELF- DRILLING SCREWS. THE VERTICAL LEGS OF THE U-SHAPED BRACKET ARE ATTACHED TO THE RUNNERS WITH ONE 1/2"-LONG NO. 8 SELF-DRILLING SCREW. THE COMPLETED STEEL FRAMING PROVIDES A 2 1/8" AND 1 1/2" SPACE BETWEEN THE INNER LAYER OF WALLBOARD AND THE SIDES AND BOTTOM OF THE STEEL BEAM, RESPECTIVELY. THE INNER LAYER OF WALLBOARD IS ATTACHED TO THE TOP RUNNERS AND BOTTOM CORNER CHANNELS OR CORNER ANGLES WITH 1 1/4"-LONG NO. 6 SELF-DRILLING SCREWS SPACED 16" ON CENTER. THE OUTER LAYER OF WALLBOARD IS APPLIED WITH 1 3/4"-LONG NO. 6 SELF-DRILLING SCREWS SPACED 8" ON CENTER. THE BOTTOM CORNERS ARE REINFORCED WITH METAL CORNER BEADS.



1. STEEL BEAM
2. CONCRETE SLAB
3. FLUTED STEEL DECK
4. MIN. 25 GAUGE 1" x 2" STEEL ANGLE
5. CHANNEL BRACKETS FABRICATED FROM 25 GAUGE STEEL TRACKS 24" O.C.
6. TWO LAYERS 5/8" TYPE X GYP. BOARD. INNER LAYER OF GYP. BOARD IS ATTACHED TO THE TOP RUNNER AND BOTTOM CORNER CHANNELS OR CORNER ANGLES WITH 1 1/4" #6 S.D.S. @ 16" O.C. THE OUTER LAYER OF GYP. BOARD IS APPLIED WITH 1 3/4" #6 S.D.S. @ 8" O.C.
7. CORNER BEAD

RATED BEAM ASSEMBLY N.T.S. 27

UL DESIGN NO. X528 1 HR STEEL COLUMN



1. **Steel Column** — Min W10x49
2. **Gypsum Board*** — 5/8 in. thick. Horizontal joints spaced minimum 8 ft apart.
   - CERTAINTEED GYPSUM INC — 5/8 in. thick Type C, 5/8 in. thick Types GlasRoc, X-1, SilentFX, LWTX
3. **Steel Stud** — 1-5/8 in. wide with minimum 1-1/4 in. legs having a 1/4- in. folded flange, fabricated from min. 0.0179 in. thick bare metal thickness steel. Length to be 1/2 in. less than the assembly height.
4. **Corner Beads** — No. 28 MSG galv steel, 1-1/4 in. legs to be attached to the wallboard with No. 6 by 1 in. screws spaced 12 in. OC max.
   - 4A. **Corner Bead*** — (As an alternate to Item 4) — Attached to gypsum board using all-purpose ready mix joint compound.
     - CERTAINTEED GYPSUM INC — Types NC, NCPRO, NC450
     - BAILEY METAL PRODUCTS LTD — Types NC, NCPRO, NC450
5. **Screws** — For attaching wallboard to steel studs, to be No. 6 by 1 in. Phillips head self-drilling.
6. **Finishing System** — (Not Shown) — Joint compound applied over corner beads to a thickness of 1/16 in.

* Indicates such products shall bear the UL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

1 HR RATED COLUMN ASSEMBLY N.T.S. 28

UL/cUL SYSTEM NO. HW-D-0042

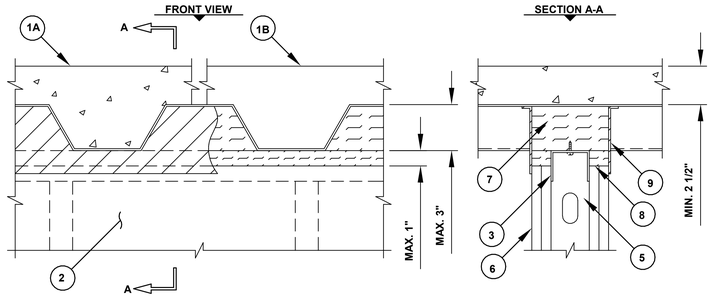
TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

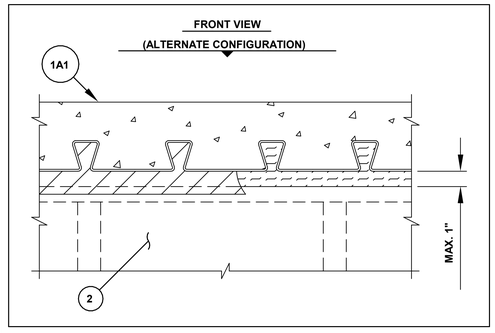
ASSEMBLY RATING = 1-HR. OR 2-HR.

CLASS II MOVEMENT CAPABILITIES - 50% COMPRESSION OR EXTENSION

L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT

L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT





1. FLOOR OR ROOF ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) :

A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MIN. 2-1/2" THICK) OVER METAL DECKING (UL/cUL CLASSIFIED D700 OR D900 SERIES).
A1. REINFORCED CONCRETE (MIN. 2-1/2" THICK) OVER COMPOSITE METAL DECK (MAX. 2-1/2" DEEP FLUTES) (BY EPIC METALS).
A2. REINFORCED CONCRETE (MIN. 2-1/2" THICK) OVER COMPOSITE METAL DECK (MAX. 2" DEEP FLUTES VERSA-DEK®) (BY NEW MILLENNIUM BUILDING SYSTEMS).
B. INSULATING CONCRETE (MIN. 2-1/2" THICK) OVER METAL DECKING (UL/cUL CLASSIFIED P900 SERIES).
C. [NOT SHOWN] FLUTED STEEL ROOF DECK (UL/cUL CLASSIFIED P700 OR P900 SERIES).

2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400 OR V400 SERIES) (1-HR. OR 2-HR. FIRE-RATING).

3. CEILING RUNNER (MIN. 25 GA., FLANGE HEIGHT OF CEILING RUNNER SHALL BE MINIMUM 1/4" GREATER THAN MAXIMUM EXTENDED JOINT WIDTH) FASTENED TO UNDERSIDE OF DECK WITH STEEL MASONRY ANCHORS, STEEL FASTENERS, OR WELDS (SPACED MAX. 24" O.C.) (SEE NOTE NO. 4 BELOW).

4. [OPTIONAL - NOT SHOWN] WHEN SPRAY-APPLIED FIREPROOFING IS USED, CEILING RUNNER MAY BE SECURED TO DECK WITH Z-SHAPED CLIPS (MIN. 20 GA.) WITH THE FOLLOWING DIMENSIONS : MINIMUM 1" LONG, BUT NOT EXCEEDING THE WIDTH OF THE WALL, BY 1-1/2" OR 2" LONG UPPER AND LOWER LEGS. SUPPORT CLIPS SPACED MAXIMUM 24" OC.

5. STEEL STUDS (MIN. 2-1/2" WIDE), CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT.

6. 5/8" OR 1-1/4" THICKNESS GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL UL DESIGN. TOP ROW OF SCREWS SHALL BE INSTALLED INTO STUDS 1-1/2" TO 2" BELOW THE BOTTOM OF THE CEILING RUNNER.

7. HILTI CP 777 SPEED PLUGS FRICTION FITTED TO COMPLETELY FILL FLUTE FLUSH WITH BOTH SIDES OF WALL (SEE NOTES NO. 5 AND 6 BELOW).

8. HILTI CP 767 SPEED STRIPS OR MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) COMPRESSED 50% AND INSERTED INTO JOINT, FLUSH WITH BOTH SIDES OF WALL.

9. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY TO COMPLETELY COVER MINERAL WOOL AND TO OVERLAP A MINIMUM 1/2" ONTO GYPSUM WALL AND METAL DECK, ON BOTH SIDES OF GYPSUM WALL ASSEMBLY.

NOTES : 1. MAXIMUM WIDTH OF JOINT = 1".

2. STEEL FLOOR UNITS MAY BE SPRAYED WITH A MINIMUM 5/16" TO MAXIMUM 1-3/4" THICKNESS OF UL CLASSIFIED MONOKOTE TYPE MK-6/HY (MANUFACTURED BY W.R. GRACE) OR CAFCO TYPE 300 (MANUFACTURED BY ISOLATEK, INT.) FIREPROOFING, PRIOR TO OR AFTER INSTALLATION OF CEILING RUNNERS.

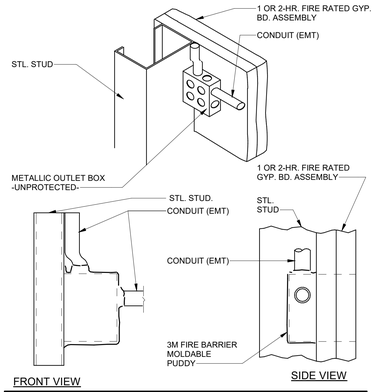
3. WHEN THE STEEL DECK IS COATED WITH FIREPROOFING, HILTI FIRESTOP JOINT SPRAY SHALL OVERLAP THE WALL A MINIMUM 1/2" AND OVERLAP THE FIREPROOFING A MINIMUM 2" ON BOTH SIDES OF GYPSUM WALL ASSEMBLY.

4. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO. 3, SLOTTED CEILING RUNNERS MAY BE USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS.

5. AS AN ALTERNATE TO HILTI CP 777 SPEED PLUGS, MINERAL WOOL SAFING (MIN. 4 PCFDENSITY) COMPRESSED 25% MAY BE USED. ALTERNATELY, MINERAL WOOL SAFING (MIN. 4PCF DENSITY) CUT TO THE SHAPE OF FLUTE AND NOMINAL 1" LONGER THAN THICKNESS OF WALL, COMPRESSED FROM ENDS (APP. 14%) AND PACKED FLUSH WITH WALL SURFACE.

6. WHEN EPIC METALS DECK IS USED, MINERAL WOOL IS TO BE TIGHTLY PACKED INTO THE INVERTED FLUTES, FLUSH WITH BOTH SIDES OF WALL. ADDITIONALLY, WHEN EPIC METALS "TORIS C" DECK IS USED MINERAL WOOL IS TO BE COMPRESSED 25% TO FILL RECESSED INDENTATION ABOVE CEILING RUNNER.

TOP OF WALL FIRE RATED SYSTEM N.T.S. 19



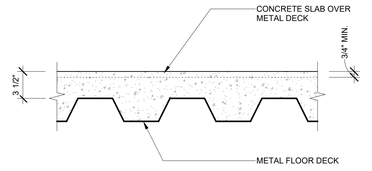
SYSTEM DETAILS

1. DRAWING NO.: 5300 ICGB5.01. UL TEST REPORT NO. R9700.89NK19575
2. SYSTEM JUSTIFICATION: UL TEST REPORT R9700, 89NK19575 (11/9/89) & R9700 9INK21798 (10/10/91). TESTS CONDUCTED IN ACCORDANCE W/ THE STANDARD FIRE TESTS OF BLDG. CONSTRUCTION & MATERIALS, ANSI/UL 263 (ASTM E 119, NFPA 251).
3. ASSEMBLY: 1 OR 2-HR. FIRE RATED GYP. BOARD/STUD WALL. WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS- 1 HR. RATING OR STEEL CHANNEL STUDS- 2-HR. RATING.
4. RATINGS: 1-HR. OR 2-HR.
5. ITEM TO BE PROTECTED: METALLIC OUTLET BOX- UP TO 45. NOTE: THIS APPLICATION IS INTENDED TO PREVENT FLAME THROUGH & SMOKE PROPAGATION BY SEALING "KNOCK-OUTS" & OPENINGS IN THE BOX/ASSEMBLY. IT ALSO INHIBITS HEAT TRANSFER TO THE NON-FIRESIDE SURFACE OF THE WALL.

APPLICATION DETAILS

1. APPLY A LAYER OF 3M FIRE BARRIER MOLDABLE PUTTY PAD TO THE METALLIC OUTLET BOX, COVERING ALL EXPOSED SURFACES. NOM. PUTTY THICKNESS IS 1/8 IN. (MPPI =4"x8"x1/8", MPP - 4S = 6"x7"x1/8")
2. PRESS THE PUTTY INTO THE INTERFACE PERIMETER OF THE OUTLET BOX & THE STUD & ALSO THE INTERFACE OF THE OUTLET BOX & THE GYP. BD.
3. SEAL ANY "KNOCK-OUT" HOE CONTAINING WIRE OR CONDUIT W/A GENEROUS AMOUNT OF MOLDABLE PUTTY.

ELECTRICAL MEMBRANE SEAL FOR METALLIC J-BOXES IN 1HR RATED WALLS N.T.S. 12



PER C.B.C 2022 TABLE 721.1(3), ITEM 1-1.1

SLAB (CEILING NOT REQUIRED). MINIMUM COVER OVER NONPRESTRESSED REINFORCEMENT SHALL NOT BE LESS THAN 3/4"

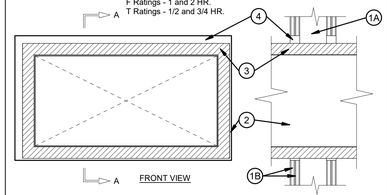
THICKNESS OF FLOOR OR ROOF SLAB (INCHES)
1 HOUR = 3.5

FOR ADDITIONAL INFORMATION, SEE

RATED FLOOR ASSEMBLY - 1 HR N.T.S. 14

Through-penetration Firestop Systems

System No. W-L-7059
March 02, 2001
F Ratings - 1 and 2 HR.
T Ratings - 1/2 and 3/4 HR.



1. WALL ASSEMBLY - THE 1 OR 2 FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING SHALL CONSIST OF CHANNEL STUDS. STEEL STUDS TO BE MIN. 2-1/2 IN. WIDE AND SPACED MAX. 24 IN. O.C. THE OPENING IN THE WALL TO ACCOMMODATE THE STEEL DUCT (ITEM 2) SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STUDS INSTALLED BETWEEN THE VERTICAL STUDS AND ATTACHED TO THE STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE A NOM 6 IN. WIDE AND 12 IN. OR HIGHER THAN THE WIDTH AND HEIGHT OF THE STEEL DUCT.
   B. WALLBOARD, GYPSUM* - 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX. AREA OF OPENING IS 395 SQ. IN. WITH MAX DIMENSIONS OF 26-3/4 IN. FOR STEEL STUDS.
2. STEEL DUCT - NOM 24 IN. BY 12 IN. (OR SMALLER) 24 GAUGE (OR HEAVIER) STEEL DUCT TO BE INSTALLED ECCENTRICALLY WITHIN THE FRAMED OPENING. THE ANNULAR SPACE SHALL BE MIN. 1 IN. TO MAX. 1-3/4 IN. STEEL DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY.
3. BATT AND BLANKET* - MAX. 1-1/2 THICK GLASS FIBER BATT OR BLANKET (MIN. 3.4 pcf) JACKETED ON THE OUTSIDE WITH A FOIL-SCRIM-KRAFT FACING. LONGITUDINAL AND TRANSVERSE JOINTS SEALED WITH ALUMINUM FOIL TAPE. DURING THE INSTALLATION OF THE FILL MATERIAL, THE BATT OR BLANKET SHALL BE COMPRESSED 50% SUCH THAT THE ANNULAR SPACE WITHIN THE FIRESTOP SYSTEM SHALL BE MIN. 1/4 IN. TO MAX. 1 IN. SEE BATTS AND BLANKETS - (BKNV) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES MANUFACTURERS. ANY BATT OR BLANKET MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX 50 OR LESS MAY BE USED.
4. FILL, VOID OR CAVITY MATERIAL* - SEALANT MIN. 5/8 IN. OR 1-1/4 IN. THICKNESS OR FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL FOR 1 OR 2 HR. WALLS, RESPECTIVELY. IF VOIDS DEVELOPS AFTER THE FILL MATERIAL CURES, THE VOIDS SHALL BE SEALED WITH ADDITIONAL FILL MATERIAL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE SEALANT

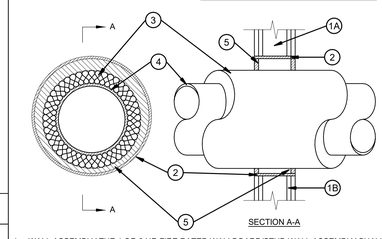
*Bearing the UL Classification Mark

DUCT RATED HVAC (INSULATED) N.T.S. 7

Through-penetration Firestop Systems

System No. W-L-5096
March 30, 2015

ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr. (See Item 1)	F Ratings - 1 and 2 Hr. (See Item 1)
T Ratings - 0, 1/2 and 1 Hr. (See Items 3 and 4)	FT Ratings - 0, 1/2 and 1 Hr. (See Items 3 and 4)
	FH Ratings - 1 and 2 Hr. (See Item 1)
	FTH Ratings - 0, 1/2 and 1 hr. (See Items 3 and 4)



1. WALL ASSEMBLY THE 1 OR 2 HR FIRE RATED WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING SHALL CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 mm) LUMBER SPACED 16 IN. (406 mm) O.C. STEEL STUDS TO BE MIN 2-1/2 IN. (64 mm) WIDE AND SPACED MAX. 24 IN. (610 mm) O.C.
   B. GYPSUM BOARD* - NOM 5/8 IN. (16 mm) THICK, 4 FT (1.2 m) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES DESIGN IN THE FIRE RESISTANCE DIRECTORY. MAX. DIA. OF OPENINGS IS 14-1/2 IN. (368 mm) FOR WOOD STUD WALLS. MAX. DIA. OF OPENING IS 8-5/8 IN. (473 mm) FOR STEEL STUDS WALLS OR SIZED TO THE OUTSIDE DIA. OF STEEL SLEEVE (ITEM 2) WHEN OPTIONAL STEEL SLEEVE IS USED.
   THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL SLEEVE - (OPTIONAL) MAX. 18 IN. (457 mm) DIA. SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE INSERTED IN OPENING CORE DRILLED THROUGH WALL. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL.
3. THROUGH PENETRANT - ONE METALLIC PIPE OR TUBING INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBE MAY BE USED:
   A. STEEL PIPE - NOM 12 IN. (305 mm) DIA. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE. WHEN STEEL PIPE IS USED, T, FT AND FTH RATING ARE 1/2 HR AND 1 HR WHEN INSTALLED IN 1 AND 2 HR RATED WALLS, RESPECTIVELY.
   B. COPPER TUBE - NOM 6 IN. (152 mm) DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE. WHEN COPPER TUBE IS USED, T, FT AND FTH RATING ARE 1/2 HR AND 1 HR WHEN INSTALLED IN 1 AND 2 HOUR RATED WALLS, RESPECTIVELY.
   C. COPPER PIPE - NOM 6 IN. (152 mm) DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. WHEN COPPER PIPE IS USED, T, FT, FTH RATINGS ARE 1/2 AND 1 HR WHEN INSTALLED IN 1 AND 2 HR RATED WALLS RESPECTIVELY.
4. PIPE COVERING* - MAX 2 IN. (51 mm) THICK HOLLOW CYLINDRICAL HEAVY DENSITY (NOM. 3.5 pcf OR 56 kg/m³) GLASS FIBER UNITS, JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SSL TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH THE PRODUCT. THE ANNULAR SPACE BETWEEN INSULATED PENETRANT AND PERIPHERY OF OPENING SHALL BE MIN. 0 IN. (POINT CONTACT) TO MAX 1-7/8 IN. (48 mm). WHEN PIPE COVERING THICKNESS IS LESS THAN 2 IN. (51 mm), T, FT AND FTH RATINGS ARE 0 HR. SEE PIPE AND EQUIPMENT COVERING-MATERIALS (BRGU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
5. FILL, VOID OR CAVITY MATERIAL *-SEALANT - MIN 5/8 IN. (16 mm) OR THICKNESS OR FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY FOR AT POINT CONTACT AN ADDITIONAL 1/2 IN. (13 mm) BEAD OF SEALANT SHALL BE APPLIED TO THE INSULATED PIPE/ WALL INTERFACE.

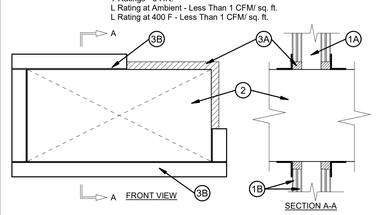
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE SEALANT OR FS-ONE MAX. INTUMESCENT SEALANT

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL PENETRATION RATED METALLIC PIPE/ TUBING (INSULATED) N.T.S. 10

Through-penetration Firestop Systems

System No. W-L-7040
August 27, 2010
F Ratings - 1 and 2 HRS. (See Items 1 and 3)
T Ratings - 0 HR.
L Rating at Ambient - Less Than 1 CFM/ sq. ft.
L Rating at 400 F - Less Than 1 CFM/ sq. ft.



1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 BY 4 IN. LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN. 2-1/2 IN. WIDE AND SPACED MAX. 24 IN. ADDITIONAL FRAMING MEMBERS SHALL BE USED TO COMPLETELY FRAME AROUND OPENING.
   B. GYPSUM BOARD* - NOM. 5/8 IN. THICK WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN NUMBER. MAX. AREA OF OPENING IS 1300 IN. WITH THE DIMENSION OF 50 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL DUCT - NOM. 24 IN. BY 48 IN. (OR SMALLER) NO. 24 GAUGE (OR HEAVIER) GALV. STEEL DUCT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN. 0 IN. (POINT CONTACT) TO A MAX. 2 IN. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY.
3. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN. 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS FLUSH WITH BOTH SURFACES OF WALL. AT POINT CONTACT LOCATION, A MIN. 1/2 IN. DIA. BEAD OF FILL MATERIAL SHALL BE APPLIED TO THE WALL/DUCT INTERFACE ON BOTH SURFACES OF WALL. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI, INC. - FS-ONE SEALANT, CP601S ELASTOMERIC FIRESTOP SEALANT OR CP606 FLEXIBLE SEALANT.
   B. STEEL RETAINING ANGLE - NO. 18 MSG (0.048 IN.) GALV. STEEL ANGLES CUT TO FIT CONTOUR OF DUCT WITH A 2 IN. OVERLAP ON THE DUCT AND A MIN. 1 IN. OVERLAP ON THE GYPSUM BOARD ASSEMBLY ON BOTH SURFACES OF WALL. 2 IN. LEG OF ANGLE SECURED TO DUCT WITH MIN. NO. 8 BY 3/4 IN. LONG SHEET METAL SCREWS, SPACED A MAX. OF 8 IN. O.C. WHEN BEAD OF FILL MATERIAL IS USED AT JOINT CONTACT LOCATIONS, ANGLES SHALL BE INSTALLED PRIOR TO FULL MATERIAL CURING.

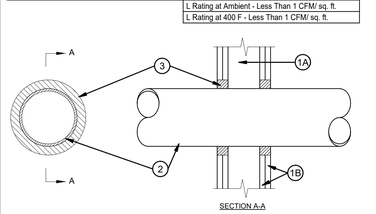
*Bearing the UL Classification Mark

DUCT RATED HVAC (UNINSULATED) N.T.S. 2

Through-penetration Firestop Systems

System No. W-L-1054
January 21, 2020

ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr. (See Items 1 and 3)	F Ratings - 1 and 2 Hr. (See Items 1 and 3)
T Rating - 0 Hr.	FT Rating - 0 Hr.
L Rating at Ambient - Less Than 1 CFM/ sq. ft.	FH Ratings - 1 and 2 Hr. (See Items 1 and 3)
L Rating at 400 F - Less Than 1 CFM/ sq. ft.	FTH Rating - 0 hr.
	L Rating at Ambient - Less Than 1 CFM/ sq. ft.
	L Rating at 400 F - Less Than 1 CFM/ sq. ft.



1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS -- WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 mm) LUMBER SPACED 16 IN. (406 mm) O.C. STEEL STUDS TO BE MIN 2-1/2 IN. (64 mm) WIDE AND SPACED MAX. 24 IN. (610 mm) O.C. WHEN STEEL STUDS ARE USED AND THE DIA. OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. (102 TO 152 mm) WIDER AND 4 TO 6 IN. (102 TO 152 mm) HIGHER THAN THE DIA. OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. (51 TO 76 mm) CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
   B. GYPSUM BOARD* - 5/8 IN. (16 mm) THICK, 4 FT (122 cm) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX. DIA. OF OPENING IS 32-1/4 IN. (819 mm) FOR STEEL STUD WALLS. MAX. DIA. OF OPENING IS 14-1/2 IN. (368 mm) FOR WOOD STUD WALLS.
   THE F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.
2. THROUGH-PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX. 2-1/4 IN. (57 MM) PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE -- NOM 30 IN. (762 mm) DIA. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE -- NOM 30 IN. (762 mm) DIA. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT -- NOM 4 IN. (102 mm) DIA. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. (152 mm) DIA. STEEL CONDUIT.
   D. COPPER TUBING -- NOM 6 IN. (152 mm) DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE -- NOM 6 IN. (152 mm) DIA. (OR SMALLER) REGULAR (OR HEAVIER)COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN 5/8 IN. (16 mm) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIA. BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE SEALANT OR FS-ONE MAX. INTUMESCENT SEALANT

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL PENETRATION RATED METALLIC PIPE/ TUBING (UNINSULATED) N.T.S. 5

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
ARC

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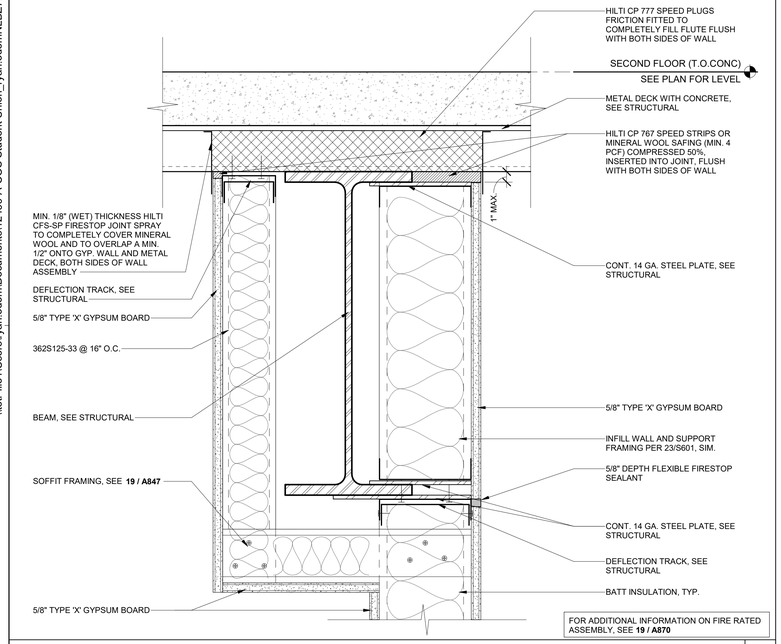
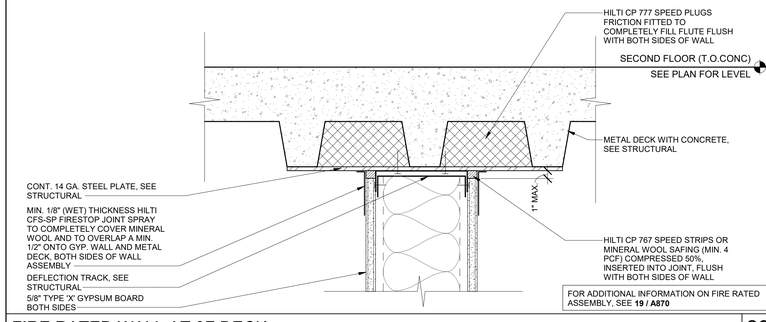
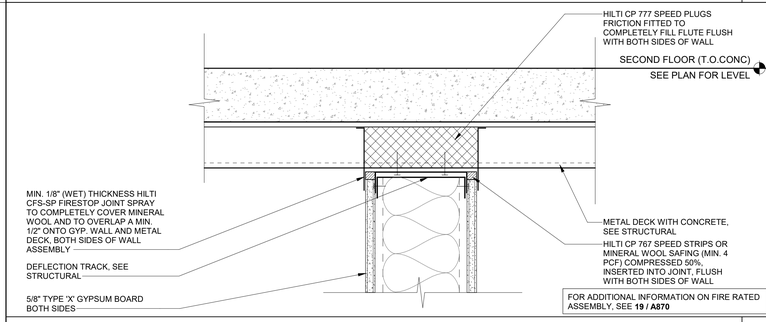


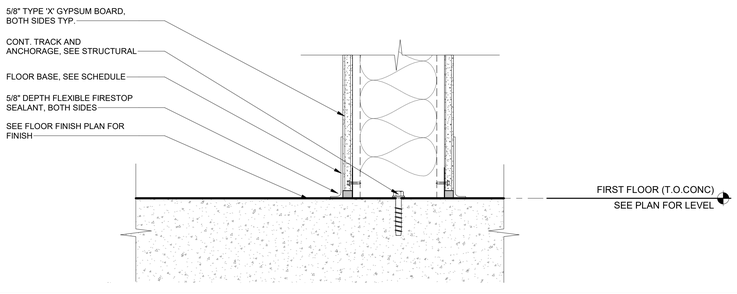
FIRE RATED WALL AT 2F DECK — 3" = 1'-0" — 22



FIRE RATED WALL AT 2F DECK — 3" = 1'-0" — 23



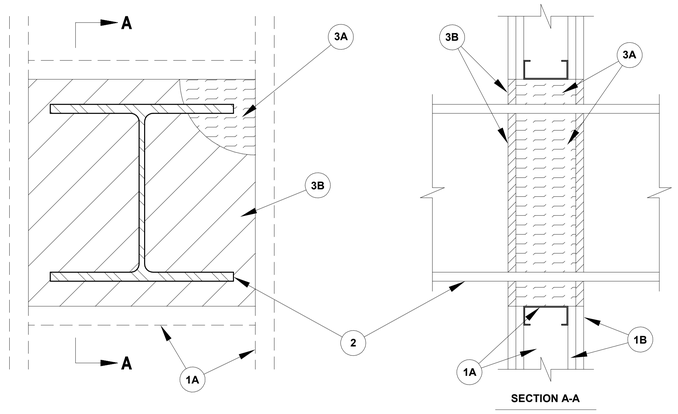
FIRE RATED WALL AT 2F DECK — 3" = 1'-0" — 24



FIRE RATED WALL AT FLOOR — 3" = 1'-0" — 25

SYSTEM No. W-L-7188

ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F RATINGS - 1 AND 2 HR (SEE ITEM 1)	F RATINGS - 1 AND 2 HR (SEE ITEM 1)
T RATING - 0 HR	FT RATINGS - 0 HR
L RATING AT AMBLENT - 1 CFM/sq 4FT (SEE ITEM)	FH RATINGS - 1 AND 2 HR (SEE ITEM 1)
L RATING AT 400 F - LESS THAN 1 CFM/sq ft (SEE ITEM)	FTH RATING - 0HR
	L RATING AT AMBIENT - 1 CFM/sq ft (SEE ITEM)
	L RATING AT 400 F - LESS THAN 1 CFM/sq ft (SEE ITEM)



SECTION A-A

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400, V400, OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING SHALL CONSIST OF STEEL CHANNEL STUDS, STEEL STUDS TO BE MIN 3 1/2" WIDE AND SPACED MAX. 24" O.C. OPENING FRAMED OUT WITH STEEL STUDS TO FORM A RECTANGULAR BOX AROUND THROUGH PENETRANT
   B. GYPSUM BOARD - ONE OR TWO LAYERS OF GYPSUM BOARD, AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN, MAX AREA OF RECTANGULAR OPENING IS 324 sq. in. WITH MAX. DIMENSION OF 18"
   THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH PENETRANT - ONE W14x90 (OR SMALLER) STEEL BEAM SEVICE SUPPORT TO BE IN STALLED WITHIN THE FIRESTOP SYSTEM. AN ANNULAR SPACE OF MIN. 1/2" TO MAX. 3" IS REQUIRED BETWEEN THE STEEL BEAM AND THE PERIPHERY OF THE OPENING. STEEL BEAM SERVICE SUPPORT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

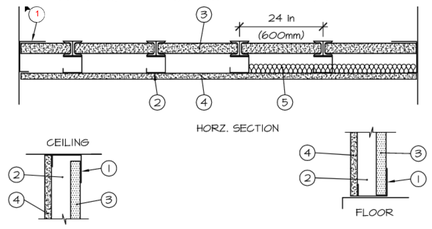
3. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING ITEMS:
   A. PACKING MATERIAL - MINERAL WOOL BATT INSULATION, NOM 4 PCF, TIGHTLY-PACKED INTO OPENING TO FULL DEPTH OF WALL EXCEPT FOR MIN. 5/8" RECESS ON EACH SIDE OF WALL AS REGULATED TO ACCOMMODATE FILL MATERIAL
   B. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN. 5/8" THICKNESS OF FILL MATERIAL APPLIED TO FILL ANNULAR SPACE AROUND STEEL BEAM FLUSH WITH EACH SURFACE OF WALL
   HILTI CONSTRUCTION CHEMICALS, DIV. OF HILTI INC. - FS-ONE MAX. INTUMESCENT SEALANT

*INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR cUL CERTIFICATION MARK FOR JURISDICTIONS EMPLYOYING THE UL OR cUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

STEEL BEAM FIRE RATED PENETRATION SYSTEM — N.T.S. — 13

BXUV - FIRE RESISTANCE RATINGS - ANSI/UL 263 CERTIFIED FOR UNITED STATES

DESIGN NO. U469, DECEMBER 29, 2020, ASSEMBLY RATING — 1 HR, NONBEARING WALL



1. FLOOR AND CEILING RUNNERS — "J" - SHAPED, 2-1/2 IN. WIDE WITH UNEQUAL LEGS OF 1 IN. AND 2 IN., FABRICATED FROM 24 MSG GALV STEEL (MIN 20 MSG STEEL REQUIRED WHEN ITEM 4A, 4B, OR 4C IS USED). RUNNERS ATTACHED TO STRUCTURAL SUPPORTS WITH STEEL FASTENERS LOCATED NOT GREATER THAN 2 IN. FROM ENDS AND NOT GREATER THAN 24 IN. OC.

2. STEEL STUDS — "C-H" SHAPED STUDS, 2-1/2 IN. WIDE BY 1-1/2 IN. DEEP, FABRICATED FROM MIN 25 MSG GALV STEEL (MIN 20 MSG STEEL REQUIRED WHEN ITEM 4A, 4B, OR 4C IS USED), SPACED 24 IN. OR 600 MM OC (MAX 16 IN. OC WHEN ITEM 4A, 4B, OR 4C IS USED). VERTICALLY RESTRAINED WALLS REQUIRE STUDS TO BE CUT 3/8 IN. LESS THAN FLOOR TO CEILING HEIGHT.

3. GYPSUM BOARD* — 1 IN. THICK GYPSUM WALLBOARD LINER PANELS, SUPPLIED IN NOMINAL 24 IN. OR 600 MM WIDTHS. VERTICAL EDGES INSERTED IN "H" SHAPED SECTION OF "C-H" STUDS. FREE EDGE OF END PANELS ATTACHED TO LONG LEG OF "J" RUNNERS WITH 1-5/8 IN. LONG TYPE S HEAD STEEL SCREWS SPACED NOT GREATER THAN 12 IN. OC.

CERTAINTEED GYPSUM INC — TYPES SHAFTLINER, EGRG SHAFTLINER OR GLASROC SHAFTLINER
CGC INC — TYPE SLX.
CERTAINTEED GYPSUM INC — TYPE LGFCSL
GEORGIA-PACIFIC GYPSUM L L C — TYPES TP-6, DGUSL, AND TRSL
UNITED STATES GYPSUM CO — TYPE SLX
USG BORAL DRYWALL SFZ LLC — TYPE SLX
USG MEXICO S A DE C V — TYPE SLX.

4. GYPSUM BOARD* — 5/8 IN. THICK, 4 FT OR 1200 MM WIDE, APPLIED VERTICALLY AND ATTACHED TO STUDS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 12 IN. OC ALONG THE EDGES AND IN THE FIELD OF THE BOARDS.

AMERICAN GYPSUM CO — TYPES AGX-1, M-GLASS, AG-C, LIGHTROC.
CABOT MANUFACTURING ULC — 5/8 TYPE X, TYPE BLUEGLASS EXTERIOR SHEATHING
CERTAINTEED GYPSUM INC — TYPE C, TYPE X, TYPE X-1.
CGC INC — TYPES C, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX, OR WRC.
CERTAINTEED GYPSUM INC — TYPES LGFC-C, LGFC-C/A, LGFC6A
GEORGIA-PACIFIC GYPSUM L L C — TYPES S, DAPC, TYPE X, VENEER PLASTER BASE - TYPE X, WATER RATED - TYPE X, SHEATHING - TYPE X, SOFFIT - TYPE X, TYPE TG-C, TYPE LWX, VENEER PLASTER BASE-TYPE LWX, WATER RATED-TYPE LWX, SHEATHING TYPE-LWX, SOFFIT-TYPE LWX, TYPE DGLW, WATER RATED-TYPE DGLW, SHEATHING TYPE- DGLW, SOFFIT-TYPE DGLW, TYPE LW2X, VENEER PLASTER BASE - TYPE LW2X, WATER RATED - TYPE LW2X, SHEATHING - TYPE LW2X, SOFFIT - TYPE LW2X, TYPE DGL2W, WATER RATED - TYPE DGL2W, TYPE DGG, TYPE DAP, TYPE DS.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPES C, PG-11, PG-C, PGS-WRS, PGI
SAINT-GOBAIN GYPROC MIDDLE EAST FZE — TYPE GYPROC FIRESTOP, GYPROC FIRESTOP MR, GYPROC FIRESTOP M2TECH, GYPROC FIRESTOP MR ACTIV'AIR, GYPROC FIRESTOP M2TECH ACTIV'AIR, GYPROC DURALINE, GYPROC DURALINE MR, GYPROC DURALINE M2TECH, GYPROC DURALINE ACTIV'AIR, GYPROC DURALINE MR ACTIV'AIR, GYPROC DURALINE M2TECH ACTIV'AIR
THAI GYPSUM PRODUCTS PCL — TYPE C.
UNITED STATES GYPSUM CO — TYPES C, RX-G, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX OR WRC.
USG BORAL DRYWALL SFZ LLC — TYPES C, SCX.
USG MEXICO S A DE C V — TYPES C, IP-X1, IP-X2, IPC-AR, SCX, ULX, OR WRC.

4A. GYPSUM BOARD* — NOT SHOWN - AS AN ALTERNATE TO ITEM 4. NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. WALLBOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD. LEAD BATTEN STRIPS (ITEM 6) REQUIRED BEHIND VERTICAL JOINTS
RAY-BAR ENGINEERING CORP — TYPE RB-LBG

4B. GYPSUM BOARD* — NOT SHOWN - AS AN ALTERNATE TO ITEM 4. NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. WALLBOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD. LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS. TO BE USED WITH LEAD BATTEN STRIPS (SEE ITEM 6B) OR LEAD DISCS (SEE ITEM 6C).

MAYCO INDUSTRIES INC — TYPE X-RAY SHIELDED GYPSUM

4C. GYPSUM BOARD* — (NOT SHOWN - AS AN ALTERNATE TO ITEM 4.) NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. WALLBOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS GYPSUM PANEL STEEL SCREWS SPACED 8 IN .OC AT PERIMETER AND 12 IN. OC IN THE FIELD. LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD AND OPTIONAL AT REMAINING STUD LOCATIONS. LEAD BATTEN STRIPS, MIN 2 IN. WIDE, MAX 8 FT LONG WITH A MAX THICKNESS OF 0.14 IN. PLACED ON THE FACE OF STUDS AND ATTACHED TO THE STUD WITH CONSTRUCTION ADHESIVE AND TWO 1 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP. LEAD DISCS, NOMINAL 3/8 IN. DIAM BY MAX 0.085 IN. THICK. COMPRESSION FITTED OR ADHERED OVER THE SCREW HEADS. LEAD BATTEN STRIPS AND DISCS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

RADIATION PROTECTION PRODUCTS INC — TYPE RPP - LEAD LINED DRYWALL

5. BATTS AND BLANKETS* — (OPTIONAL) — MINERAL WOOL BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY

ROCKWOOL — TYPE AFB, MIN. DENSITY 1.8 PCF / 28.8 KG/M
THERMAFIBER INC — TYPE SAFB, SAFB FF

5A. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) — (100% BORATE FORMULATION) — SPRAY APPLIED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT WITH A NOMINAL DRY DENSITY OF 2.7 LB/FT . ALTERNATE APPLICATION METHOD: THE FIBER IS APPLIED WITHOUT WATER OR ADHESIVE AT A NOMINAL DRY DENSITY OF 3.5 LB/FT , IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT.

U S GREENFIBER L L C — INS735, INS745 AND INS750LD FOR USE WITH WET OR DRY APPLICATION. INS765LD AND INS773LD ARE TO BE USED FOR DRY APPLICATION ONLY.

5B. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) - SPRAY APPLIED CELLULOSE INSULATION MATERIAL. THE FIBER IS APPLIED WITH WATER TO INTERIOR SURFACES IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. APPLIED TO COMPLETELY FILL THE ENCLOSED CAVITY. MINIMUM DRY DENSITY OF 4.3 POUNDS PER CUBIC FT.

NU-WOOL CO INC — CELLULOSE INSULATION

5C. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) - SPRAY APPLIED CELLULOSE FIBER. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. THE MINIMUM DRY DENSITY SHALL BE 4.30 LBS/FT .

INTERNATIONAL CELLULOSE CORP — CELBAR-RL

5D. DELETED.

5E. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) - SPRAY-APPLIED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. TO FACILITATE THE INSTALLATION OF THE MATERIAL, ANY THIN, WOVEN OR NON-WOVEN NETTING MAY BE ATTACHED BY ANY MEANS POSSIBLE TO THE OUTER FACE THE STUDS. THE MATERIAL SHALL REACH EQUILIBRIUM MOISTURE CONTENT BEFORE THE INSTALLATION OF MATERIALS ON EITHER FACE OF THE STUDS. THE MINIMUM DRY DENSITY SHALL BE 5.79 LBS/FT .

APPLEGATE HOLDINGS L L C — APPLEGATE ADVANCED STABILIZED CELLULOSE INSULATION

6. LEAD BATTEN STRIPS — FOR USE WITH ITEM 4A - (NOT SHOWN) — LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD (ITEM 4A) AND OPTIONAL AT REMAINING STUD LOCATIONS. STRIPS, MIN 1-1/2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.125 IN. STRIPS PLACED ON THE INTERIOR FACE OF STUDS AND ATTACHED FROM THE EXTERIOR FACE OF THE STUD WITH TWO 1 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP. LEAD BATTEN STRIPS TOHAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

6A. LEAD DISCS OR TABS — (NOT SHOWN) - USED IN LIEU OF OR IN ADDITION TO THE LEAD BATTEN STRIPS (ITEM 6) OR OPTIONAL AT OTHER LOCATIONS - MAX 3/4 IN. DIAM BY MAX 0.125 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS OR MAX 1/2 IN. BY 1-1/4 IN. BY MAX 0.125 IN. THICK LEAD TABS PLACED ON GYPSUM BOARDS (ITEM 5) UNDERNEATH SCREW LOCATIONS PRIOR TO THE INSTALLATION OF THE SCREWS. LEAD DISCS OR TABS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

6B. LEAD BATTEN STRIPS — (NOT SHOWN, FOR USE WITH ITEM 4B) LEAD BATTEN STRIPS, 2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.140 IN. STRIPS PLACED ON THE FACE OF STUDS AND ATTACHED TO THE STUD WITH TWO MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP OR WITH ONE MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREW AT THE TOP OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADES "B, C OR D".

6C. LEAD DISCS — (NOT SHOWN, FOR USE WITH ITEM 4B) MAX 5/16 IN. DIAM BY MAX 0.140 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS. LEAD DISCS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADES "B, C OR D"

*** INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA) RESPECTIVELY.**

SHAFT WALL ASSEMBLY — N.T.S. — 4

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
FIRE RATED DETAILS

PROJECT NO.
22-12499

DRAWING
A871

PLOT DATE: 8/14/2026 11:06:55 AM

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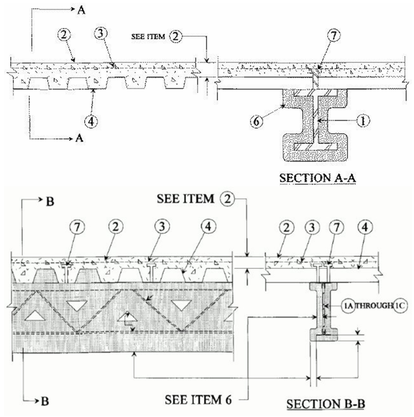
PLOT DATE: 8/14/2026 11:06:57 AM

Design No. D902
February 21, 2019
Restrained Assembly Ratings — 1, 1-1/2, 2 and 3 Hr.
Unrestrained Assembly Ratings — 0, 1, 1-1/2, 2 or 3 Hr. (See Items 4 & 6) Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.
This design was evaluated using a load design method other than the Limit States
Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Beam —** W8X28, W8x24 or W6x12, min size, see Items 6A through 6E.

1A. **Steel Joists —** (Not Shown) — As an alternate to Item 1 — Composite or non-composite min 8k1 or min depth and weight shall be 8 in. and 4.9 lb/ft respectively. May be uncoated or provided with a shop coat of paint. Designed per S.J.I. specifications for a max design stress of 30, 000 psi (30 ksi). Welded or bolted to end supports. The top chords shall consist of two angles measuring 1-1/4 by 1-1/4 by 0.127 in. thick. Bottom chords shall consist of two round bars measuring 0.566 in. in diam. or two angles measuring 1 by 1 by 0.125 in. thick. Bearing plates shall consist of two angles measuring 1-1/2 by 2 by 0.188 in. thick and 5-1/16 in. long. Web members shall consist of 0.565 in. diam bars.

1B. **Steel Joists —** (Not Shown) — As an alternate to Item 1 — Composite or non-composite min 12k5 or min depth and weight shall be 12 in. and 7.1 lb/ft respectively. May be uncoated or provided with a shop coat of paint. Designed per S.J.I. specifications for a max design stress of 30, 000 psi (30 ksi). Welded or bolted to end supports. Top chords shall consist of two angles measuring 1-1/2 by 1-1/2 by 0.156 in. thick. Bottom chords shall consist of two round bars measuring 0.675 in. in diam. or two angles measuring 1 by 1 by 0.125 in. thick. Bearing plates shall consist of two angles measuring 2 by 2 by 0.192 in. thick and shall be min 4-15/16 in long. The second web member at each end shall consist of 0.654 in. diam round bar. All remaining web members, including the end web members, shall consist of 0.774 in. diam round bars. Bridging per S.J.I. specifications is required when non-composite joists are used.

1C. **Steel Joists —** (Not Shown) — As an alternate to Item 1 — Composite or non-composite min 12k5 or min depth and weight shall be 12 in. and 7.1 lb/ft respectively. May be uncoated or provided with a shop coat of paint. Designed per S.J.I. specifications for a max design stress of 30, 000 psi (30 ksi). Welded or bolted to end supports. Top chords shall consist of two angles measuring 1-1/2 by 1-1/2 by 0.156 in. thick. Bottom chord shall consist of two round bars measuring 0.675 in. in diam. or two angles measuring 1 by 1 by 0.125 in. thick. The second web member at each end shall consist of 0.654 in. diam round bar. All remaining web members, including the end web members, shall consist of 0.774 in. diam round bars. Bridging per S.J.I. specifications is required when non-composite joists are used.
Note: Additional beams or joists from the N series designs may be substituted for the listed beam (item 1) or joist (item 1A) respectively.
When joists are substituted, the restrained rating of the joist must be equal to or greater than the restrained rating of the assembly. Additional beam and joist substitution requirements are in the front of the Fire Resistance Directory - III. FLOOR-CEILINGS AND ROOFCEILING, item 7 -Steel Joist or IV. BEAMS.

2. **Normal Weight or Light Weight Concrete —** Normal weight concrete, carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale or slate aggregate by rotary-kiln method or expanded clay aggregate by rotarykiln or sintered-grate method, or pelletized expanded blast furnace slag aggregate, 3000 psi compressive strength, vibrated, 4 to 7 per cent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	147-153	3-1/2
1-1/2	Normal Weight	147-153	4
2	Normal Weight	147-153	4-1/2
3	Normal Weight	147-153	5-1/4
1	Light Weight	107-113	2-1/2
1	Light Weight	107-120	2-5/8
1-1/2	Light Weight	107-113	3
2	Light Weight	107-113	3-1/4
2	Light Weight	107-116	3-1/4*
2	Light Weight	114-120	3-1/2
3	Light Weight	107-113	4-3/16
3	Light Weight	114-120	4-7/16

* With 2 and 3 in. deep steel floor units only.

3. **Welded Wire Fabric —** 6x6 - W1.4xW1.4.

3A. **Negative Reinforcement —** (Optional, Not Shown) Used in lieu of Item 3 and with Items 3B or 3C. For floor spans with concrete cast continuous over the supporting beams. Deformed bars designed to resist the support moments of the concrete slab in accordance with the latest ACI Building Code Specifications.

3B. **Fiber Reinforcement* —** (Not Shown) — Required with Item 3A. Engineered synthetic fibers added to concrete mix to control shrinkage cracks in concrete. Fibers added to concrete mix at rate of 1 lb of fiber for each cubic yard of concrete. **PROPEX OPERATING COMPANY L L C** — Fibermesh 150 and Fibermesh 300.

3C. **Fiber Reinforcement* —** (Not Shown) — Required with Item 3A. Any fiber reinforcement bearing the UL Classification Marking for Fire Resistance, Classified for use in lieu of welded wire fabric.
See **Fiber Reinforcement** (CBXQ) Category for names of manufacturers.

4. **Steel Floor and Form Units* —** Composite 1-1/2, 1-5/8 , 2 or 3 in. deep galv units or 4-1/2 in. deep non-composite galv units. Fluted units may be phos/ptd. Min gauges are 22 MSG for fluted and 20/20 for cellular and partial cellular units. The following combinations of units may be used:
1. All 24, 26, 28 or 36 in. wide cellular or partial cellular.
2. All fluted.
3. One or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular alternating with 3 in. deep fluted or other cellular.
4. Any blend of fluted and 24, 26, 28 or 36 in. wide cellular or partial cellular.
5. Corrugated, nom 1-5/16 or 2 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations.

Welded to supports 12 in. OC through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC but less than or equal to 12 in. OC steel deck stress shall not exceed 12 KSI.

ASC STEEL DECK, DIV OF ASC PROFILES L L C — 32 in. wide Types NH-32, NHN-32, NHF-32; 36 in. wide, Types BH-36, BHN-36, BHN-35-1/4, BHF-36, BHF-36A, 2WH-36, 2WHS-36, 2WHF-36, 2WHF-36A, 3WxH-36, 3WxHF-36, 3WH-36, 3WHF-36, 3WHF-36A, 3W36, 3WF-36, DG3W-36, DG3WF-36. All units may be galvanized or Prime Shield. Non-cellular decks may be vented designated with a "V" suffix to the product name. Cellular deck top and bottom sections may be riveted together (designated with "Fr") vs. arc spot welded, "F"

CANAM STEEL CORP — 24 in. wide Type P-2432 composite or 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite, Type P-3606 and P-3615 non-composite

CANAM STEEL CORP — 12 or 24 in. wide, Types 1-1/2, 2, or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell; 24 in. wide, Types N-LOK and N-LOK Cell

CENTRIA, A DIVISION OF NCI GROUP, INC — QL Types, 24 in. wide, 3 or 3 inverted, UKX, 21 or 21 inverted, 2 in. 99, 121, AKX, NKX, TKX;
24 or 30 in. wide GKX, GKXH, GKX-A; 36 in. wide 2 in. 99, AKX, WKX; 12 in. wide NKC; TKC; 12 in. wide non-composite Sec 12. Side joints of 99, 121, TKC, TKX, WKX may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC

CHIA TEH CONSTRUCTION MATERIAL CO LTD — 24 or 36 in. wide Mac-Lok 3; 24 in. wide CFD-3

DECK WEST INC — 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of Type 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screws 36 in. OC

DESIGN ASSISTANCE CONSTRUCTION SYSTEMS INC — 36 in. wide Type DACS1.5CD, or 24 in. wide Type DACS2.0CD, or DACS3.0CD

EPIC METALS CORP — 24 in. wide Types EC150, EC150 inverted, EC300, EC366, ECP150, ECP300, ECP366, ECA; 30 in. wide Types ECB150, ECBR150; 36 in. wide Types EC156, EC266, ECP266

KAM INDUSTRIES LTD, DBA CORDECK — 24 in. wide, Types 2 or 3 in. WDR

MARLYN STEEL DECKS INC — Type 1.5 CF, 2.0 CF or 3.0 CF

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 or 36 in. wide Types Mac-Lok 2, Mac-Lok 3; 24 in. wide Types B2C, B2FC, NC, NFC; 30 in. wide, Type B3C; 12 in. wide Mac-Way Cellular 45 MDW, 2-633 MTWA, 3-633 MTWA+. 30 in. wide, Mac-Cor Types 1 and 2

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 or 36 in. wide Types 2.0CD, 3.0CD, 2.0CFD, 3.0CFD, 3.0CFDES; 24, 30 or 36 in. wide Types 1.5CD, 1.5CDI, 1.5CDR, 1.5CFD. Fluted units may be phos/painted or galvanized.

ROOF DECK INC — 36 in. wide Types LOK-1-1/2, LOK-1-1/2R; 24 in. wide Types LOK-2, LOK-3

VALLEY JOIST, SUB OF EBSCO INDUSTRIES INC — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2

VERCO DECKING INC - A NUCOR CO — FORMLOK™ deck types PLB, B, BR, PLN3, N3, PLN, N, PLW2, W2, PLW3, W3. Units are min 24 in. wide and may be galvanized, phos./ptd., or mill finish. Units may be cellular or acoustical cellular, with the suffix "CD" or "CD-AC" added to the product name, respectively. All non-cellular deck may be vented or non-vented. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or 36 in. wide PLW2, W2, PLW3 or W3 units, respectively; or Types PLN3-CD, N3-CD, PLN3, N3.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLP, 1.5 VLR, 1.5PLVLP; 24 or 36 in. wide Types 1.5VLPA, 1.5PLVLPA, 2VLI, 2.0PLVLI, 2VLJ, 3VLI, 3.0PLVLI, 3VLJ, 2VLP, 2.0PLVLP, 3VLP, 3.0PLVLP, 2VLPA, 2.0PLVLPA, 3VLPA, 3.0PLVLPA. Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5 VLR, 1.5VLPA, 1.5PLVLPA, 2VLI, 2.0PLVLI, 2VLJ, 3VLI, 3.0PLVLI, 3VLJ units may be phos/ptd. 24 or 36 in. wide
Types 2VLJ, 3VLJ units ++ may be used for max 2 hr Restrained Assembly Rating, 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB, 36 in. wide Type High Strength 1.5 SBI, 36 in. wide Type High Strength 1.5 SBN; Units may be phos/ptd

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, 36 in. wide units, four welds per sheet for 30 in. wide units. 6 in. OC for 18 in. wide and Sec. 12 units. Unless specified otherwise for specific units types, adjacent units button-punched or welded together 36 in. OC along side joints. For **3 Hr Rating**, units with overlapping type side joints welded together 24 in. OC max.
When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.
+ 12 in. wide, 1-1/2 in. deep Mac-Way units may be blended with 24 in. wide B2C or 30 in wide B3C units in a blend of one cell to one or more fluted units. 12 in. wide, 2 in. deep Mac-Way units may be blended with 24 or 36 in. wide Mac-Lock units in a blend of one cell to one or more fluted units. 12 in. wide, 3 in. deep Mac-Way units may be blended with 24 or 36 in. wide Mac-Lock 3 units in a blend of one cell to one or more fluted units. The side edge of the fluted units is placed on the top of the side edge of the Mac-Way unit and the two are welded together with welding washers spaced a max. of 32 in. OC for Mac-Lock 2 or 3 units and a max of 24 in. OC for the B2C or B3C units.
++ Side joints of Types 2VLJ or 3VLJ units may be fastened together with No. 8-3/4 in. long self-drilling Tek screws driven diagonally from the top side through the joint of the units at 36 in. O. C. max.
Alternate Construction — Non-composite units of the same type listed above may be used provided allowable loading is calculated on the basis of non-composite design.
The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating (See Item 6) for a max 3 Hr and is limited to the following units and limitations:
a. 1-1/2, 2 and 3 in. deep, 24 or 36 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft, 8 in.
b. 1-1/2, 2 and 3 in. deep, 24 or 36 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft, 8 in.
c. 1-1/2 and 2 in. deep, 24 or 36 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft, 11 in.
d. 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft, 2 in.
For assemblies utilizing 3-1/4 in. light weight concrete topping with a max Restrained Assembly Rating of 2 Hr, the Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating (See Item 6) and is limited to the following floor units and spans:
a. 1-1/2, 2 and 3 in. deep, 24 or 36 in. wide, 22 MSG fluted and 20/20 MSG cellular with clear spans not more than 9 ft, 6 in.
b. 2 and 3 in. deep, 24 or 36 in. wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 10 ft, 0 in.
c. 3 in. deep, 24 in. wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 13 ft, 2 in.

4A. **Steel Floor and Form Units* —** As an alternate to Item 4, for use only when top of steel beam (Item 1) is filled solid with concrete for the full width of bearing from top of steel beam to top of concrete (Item 2):
BAILEY METAL PRODUCTS LTD — Type COMSLAB™ 210 and COMSLAB™ 225, Steel End Closure Flashing

1. **Joint Cover —** (Use with fluted units optional — Not Shown) — 2 in. wide cloth adhesive tape applied following the contour of the units.
2. **Spray-Applied Fire Resistive Materials* —** Applied by spraying with water to the final thicknesses shown below. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged. Beam surfaces must be clean and free of dirt, loose scale, and oil. Min average density of 13 pcf with min. individual density of 11 pcf for Types II, II HS, or DC/F. Min average and min individual densities of 22 pcf and 19 pcf, respectively, for type HP. For method of density determination, refer to Design Information Section. The thickness of the Spray-Applied Fire Resistive Materials on the Structural Members (Item 1, 1A, or 1B) shall be as follows:

Restrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Deck Type	W8x28 When Deck Is All Fluted	W8x28 When Deck Is Blend or All Cellular	Joist Item 1A When Deck Is Fluted Cellular or Blend	Joist Item 1B When Deck Is Fluted Cellular or Blend
1	1	NW	3/8,5/8*	3/8,11/16*	1+	—
1-1/2	1	NW	3/8,5/8*	3/8,11/16*	1-9/16	—
2	1	NW	3/8,5/8*	3/8,11/16*	2-1/16	—
2	2	NW	3/4	13/16	2-1/16	—
2	3	NW	1-3/16	1-5/16	—	3-1/4
3	1-1/2	NW	1/2	1/2	—	3-1/4
3	2	NW	3/4	13/16	—	3-1/4
3	3	NW	1-3/16	1-5/16	—	3-1/4
1	1	LW	3/8,5/8*	7/16,11/16*	1-1/8+	—
1-1/2	1	LW	3/8,5/8*	7/16,11/16*	1-3/4	—
2	1	LW	3/8,5/8*	7/16,11/16*	2-1/4	—
2	2	LW	1	1	2-1/4	—
2	3	LW	1-9/16	1-5/8	—	3-1/4
3	1-1/2	LW	5/8	11/16	—	3-1/4
3	2	LW	1	1	—	3-1/4
3	3	LW	1-9/16	1-5/8	—	3-1/4

* This thickness applies when optional Item 12 or 13 are used over 3-1/4 in. light weight concrete topping.

** This thickness applies when optional Item 12 or 13 are used over 3-1/4 in. light weight concrete topping.

+ When bottom chords consist of 1 by 1 by 0.125 in. thick steel angles, the thickness of spray-applied fire resistive material shall be increased by 1/4 in. on the bottom chord only.

ISOLATEK INTERNATIONAL — Type D-C/F, HP, II or Type II HS. Investigated for exterior use. Type EBS or Type X adhesive/surface sealer optional.

6A. **Spray-Applied Fire Resistive Materials* —** Alternate to Item 6. See table below for appropriate thicknesses. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged. Prepared by mixing with water and spray-applied in one or more coats to beam surfaces which must be clean and free of dirt, loose scale and oil. Min average density of 17.5 pcf with min individual value of 17.0 pcf. For method of density determination, see Design Information Section, Sprayed Material.

Restrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Min Thkns Applied Resistive Mtl, In	
		W8x28 When Deck Is All Fluted	W8x28 When Deck Is Blend or All Cellular
1, 1-1/2, 2	1	5/16, 7/16*	5/16, 7/16*
2	2	11/16	13/16
2	3	1-1/16	1-5/16
3	1-1/2	1/2	9/16
3	2	11/16	13/16
3	3	1-1/16	1-5/16

* This thickness applies when optional Items 12, 13 are used over 3-1/4 in. light weight concrete topping. **ISOLATEK INTERNATIONAL** — Type 280

6B. **Spray-Applied Fire Resistive Materials* —** Alternate to Items 6 and 6A. Prepared by mixing with water. Spray-applied in one or more coats to beam surfaces to a min final thickness as shown in the tables below. Beam surfaces must be clean and free of dirt, loose scale and oil. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged.

Min average and min individual density of 15 pcf and 14 pcf respectively for Types 300, 300AC, 300 ES, 300 HS, 300 N, 3000, 3000ES, and SB. For Types 400, 400 AC and 400 ES min average and min individual density of 22 pcf and 19 pcf respectively. Min avg density of 44 pcf with min ind value of 40 pcf for Types M-II and TG. Min avg density of 47 pcf, with min individual value of 43 pcf for Type M-II/P. The thickness of the material on the Structural Members (Item 1 and 1C) shall be as follows:

Restrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Min Thkns Spray Applied Resistive Mtl, In		
		W8x28 When Deck Is All Fluted	W8x28 When Deck Is Blend or All Cellular	Joist (Item 1C) When Deck Is Fluted Cellular or Blend
1	1	5/16, 7/16*	5/16, 7/16*	9/16+
1-1/2	1	5/16, 7/16*	5/16, 7/16*	1
2	1	5/16, 7/16*	5/16, 7/16*	1-3/8
2	2	11/16	13/16	1-3/8
2	3	1-1/16	1-5/16	2-1/4
3	1-1/2	1/2	9/16	2-1/4
3	2	11/16	13/16	2-1/4
3	3	1-1/16	1-5/16	2-1/4

* This thickness applies when optional Item 12 or 13 are used over 3-1/4 in. light weight concrete topping.
+ When bottom chords consist of 1 in. by 1 in. by 0.125 in. thick steel angles, the thickness of spray-applied fire resistive material shall be increased by 1/4 in. on the bottom chord only.
BERLIN CO LTD — Types 300, 300ES, 300N, SB, or 400; Type M-II, TG and M-II/P

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Types 300, 300AC, 400, or 400AC; Type M-II, TG and M-II/P

ISOLATEK INTERNATIONAL — Types 300, 300AC 300ES, 300HS, 300N, SB, 400, 400AC, 400ES, 3000 or 3000ES; Type M-II, TG and M-II/P

NEWKEM PRODUCTS CORP — Types 300, 300ES, 300N, 400, or SB; Type M-II, TG and M-II/P

6C. **Mastic and Intumescent Coatings* —** As an alternate to Items 6 through 6B. For use with fluted steel floor and form units only. Min. size W8x24 or W6x12 beams shall be primed with a phenolic modified alkyd primer, a metal alkyd primer, an acrylic primer or an epoxy primer at a nominal thickness of 2 mil. Coating spray or brush applied in accordance with the manufacturer's instructions at the min dry thickness as shown in the table below. The thickness shown below includes the primer thickness. Flutes above beam to be completely filled with minimum 6 pcf mineral wool insulation, or the top flange of the beam to be protected with the same thickness of coating as required on the beam.

Minimum Dry Thickness mils	Minimum Dry Thickness mm	Beam Size	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr
53	1.34	W8x24	1	2
95	2.41	W8x24	1-1/2	3
73	1.83	W6x12	1	2
123	3.10	W6x12	1-1/2	3

BERLIN CO LTD — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

ISOLATEK INTERNATIONAL — Type SprayFilm-WB 3 and Type WB 3. Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB 4, Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

NEWKEM PRODUCTS CORP — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E

6D. **Mastic and Intumescent Coatings* —** As an alternate to Items 6 through 6C. For use with normal weight concrete. Min. size W8x28 beams shall be primed with a phenolic modified alkyd primer a metal alkyd primer, an acrylic primer or an epoxy primer at a nominal thickness of 2 mil. Coating spray or brush applied in accordance with the manufacturer's instructions at the min dry thickness as shown in the table below. The thickness shown below includes the primer thickness. The top surface of the top flange where fluted units are used must be protected with the coating material at the same min dry thickness at a min distance of 1 in. (25 mm) inward from the flange tip on both sides of the beam. Mineral wool insulation optional above top surface of the beam.

Minimum Dry Thickness mils	Minimum Dry Thickness mm	Steel Floor Units	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr
103	2.62	Fluted or Cellular	1-1/2	2
179	4.55	Cellular	1-1/2	3
341	8.67	Cellular	2	3

BERLIN CO LTD — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB 4, Investigated for Exterior Use with top coat as described in Item 6E

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB 4, Investigated for Exterior Use with top coat as described in Item 6E

ISOLATEK INTERNATIONAL — Type SprayFilm-WB 3 and Type WB 3. Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB 4, Investigated for Interior General Purpose. Type SprayFilm-WB 4 and Type WB 4, Investigated for Exterior Use with top coat as described in Item 6E

NEWKEM PRODUCTS CORP — Type WB 3. Investigated for Interior General Purpose. Type WB 4, Investigated for Interior General Purpose. Type WB4, Investigated for Exterior Use with top coat as described in Item 6E
6E. **Top Coat —** Type SprayFilm — TOPSEAL and Type TOPSEAL required for Exterior Use, applied at a minimum dry thickness of 14 mils (0.34 mm) over the intumescent material.
See Classification information in the **Mastic and Intumescent Coating** (CDWZ) category, Isolatek International, for mixing requirements.

6F. **Mastic and Intumescent Coatings* —** As an alternate to Items 6 through 6D. For use with normal weight or light weight concrete and fluted steel floor and form units only. Min size W8x24 beams shall be primed with a phenolic modified alkyd primer at a thickness of 2 mils or a epoxy primer at a nominal thickness of 1 mil. Coating spray or brush applied in accordance with the manufacturer's instructions at the thicknesses shown below. The thickness includes the thickness of primer. The top surface of the top flange where fluted units are used must be protected with the coating material at the same min dry thickness or filled with nominal 4 pcf mineral wool.

Minimum Dry Thickness mils	Minimum Dry Thickness mm	Beam Size	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr
35	0.88	W8x24	1	2
66	1.68	W8x24	1-1/2	3

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type WB-5. Investigated for Interior General Purpose

ISOLATEK INTERNATIONAL — Type WB-5. Investigated for Interior General Purpose

7. **Shear Connector Studs —** (Optional) — Studs, 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.
8. **Lath Hanger —** (Optional, Not Shown) For use in caged beams with Items 6, 6A or 6B Galv steel 6 SWG min diam spaced 27 in. O. C.
9. **Clips —** (Optional, Not Shown) For use in caged beams with Items 6, 6A or 6B No. 24 MSG spring steel pushed on to top and bottom flanges of beam spaced 6 in. O. C. max.
10. **Metal Lath —** (Optional, Not Shown) — For use in caged beams with Items 6, 6A or 6B 3/8 in. diamond mesh or rib lath, 3.4 lbs per sq yd expanded steel attached to beam with clips spaced 6 in. OC max; or tied to lath hangers with 18 SWG galv steel wire spaced 6 in. OC max.
11. **Electrical Inserts* —** (Not Shown) — Classified as "Outlet Boxes and Fittings Classified for Fire Resistance".
12. **Mineral and Fiberboards* —** (Optional, Not Shown) — Applied over concrete floor with no restriction on board thickness. When mineral and fiber boards are used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr. See **Mineral and Fiber Board** (CERZ) category for names of manufacturers.
13. **Foamed Plastic* —** (Optional, Not Shown) — Consisting of polyisocyanurate or urethane roof insulations. Applied over concrete floor with no restrictions on thickness. When polyisocyanurate or urethane insulation is used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.
See **Foamed Plastic** (CCVW) for list of manufacturers.
14. **Insulating Concrete —** (Optional, Not Shown) — Various types of insulating concrete prepared and applied as follows:

A. Vermiculite Concrete - Blend 6 to 8 cu ft of **Vermiculite Aggregate*** to 94 lb Portland cement and air entraining agent. Min thickness of 2 in. as measured to the top surface of the structural concrete or foamed plastic (Item 15) when it is used. See **Vermiculite Aggregate** (CJZZ) category for names of Classified companies.

B. Cellular **Concrete-Roof Topping Mixture*** - Concentrate mixed with water and Portland cement per manufacturer's specifications. Min. thickness of 2-in. as measured to the top surface of the structural concrete or foamed plastic (Item 15 and 15A) when used. Cast dry density and 28-day min compressive strength of 190 psi as determined with ASTM C495-66. **AERIX INDUSTRIES** — Cast dry density of 37 (+ or -) 3.0 pcf

CELCORE INC — Type Celcore with cast dry density of 31 (+ or - 3.0) pcf or Type Celcore MF with cast dry density of 29 (+ or - 3.0) pcf **ELASTIZELL CORP OF AMERICA** — Type II, with a cast dry density of 39 (+ or - 3.0) pcf

SIPLAST INC — Mix #1, Cast dry density of 32 (+ or -) 3 pcf

SIPLAST INC — Mix #2, Cast dry density of 36 (+ or -) 3 pcf

C. Cellular **Concrete-Roof Topping Mixture*** - Foam concentrate mixed with water, Portland cement and UL Classified Vermiculite Aggregate per manufacture's application instructions. Cast dry density of 33 (+ or -) 3 pcf and 28 day compressive strength of min 250 psi as determined in accordance with ASTM C495-86.
AERIX INDUSTRIES — Mix #3

ELASTIZELL CORP OF AMERICA — Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf

SIPLAST INC — Mix #3

D. Perlite Concrete - 6 cu ft of **Perlite Aggregate*** to 94 lb of Portland Cement and 1-1/2 pt air entraining agent. Min thickness 2 in. as measured to the top surface of structural concrete or foamed plastic (Item 15A) when it is used.
See **Perlite Aggregate** (CFFX) in Fire Resistance Directory for names of Classified companies.

1. **Foamed Plastic* —** (Optional, Not Shown) — For use only with vermiculite (Item 14A) or cellular (Item 14B) concretes-Rigid polystyrene foamed plastic insulation having slots and/or holes sandwiched between vermiculite concrete slurry which is applied to the normal or light weight concrete surface and vermiculite concrete topping (Item 14A).
See **Foamed Plastic*** (BRYX) category in Building Materials Directory or **Foamed Plastic*** (CCVW) Category in Fire Resistance Directory for list of Classified companies.

15A. **Foamed Plastic* —** (Not Shown) — For use only with cellular or perlite concrete. Nominal 24 by 48 in. polystyrene foamed plastic insulation boards having a density of 1.0 (+ or - 0.1) pcf, encapsulated within concrete topping. Each insulation board shall contain six nominal 3 in. diameter holes oriented in two rows of three holes each with the holes spaced 12 in. OC transversely and 16 in. OC longitudinally.
See **Foamed Plastic*** (BRYX) category in Building Materials Directory or Foamed Plastic* (CCYW) category in Fire Resistance Directory for list of Classified companies.

16. **Roof Covering Materials* —** (Optional, Not Shown) — Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings.
See Built-Up Roof Covering Materials in Building Materials Directory.
17. **Insulated Concrete —** (Optional, Not Shown) — various types of insulated concrete prepared and applied in the thickness indicated.

A. **Vermiculite Concrete —** Mix consists of 6 cu ft of Vermiculite Aggregate*, 94 lbs of Portland cement and 6 oz of air entraining agent. Thickness to be 2 in min from the top plane of steel roof deck.
ELASTIZELL CORP OF AMERICA — Types MS16-U, MSV 200.

B. **Perlite Concrete —** Mix consists of 6.2 cu ft **Perlite Aggregate*** to 94 lbs of Portland cement and 1-1/2 pt air entraining agent.
Compressive strength 80 psi min.
See **Perlite Aggregate** (CFFX) category for names of Classified companies.

18. **Wall and Partition Facings and Accessories —** (Optional, Not Shown) Sound barrier for use with items 19 and 20: Acoustic Sleeper Pads stapled or adhered to the underside of the subflooring panels spaced 24 in. OC.
STC ARCHITECTURAL PRODUCTS L L C DBA STC SOUND CONTROL — Acoustic Sleeper

19. **Structural Cement Fiber Units* —** (Optional, Not Shown) - (For use with item 18) - Min 3/4 in. thick tongue and groove noncombustible structural cement fiber board loosely laid over concrete.
ECTEK INTERNATIONAL INC — Armoroc Panel
UNITED STATES GYPSUM CO — USG Structural Panel

EASI BUILDING PRODUCTS, INC. — Versaroc

20. **Building Units* —** (Optional, Not Shown) - (For use with item 18) - Panels loosely laid over concrete.
DRAGONBOARD USA L L C — Type DragonBoard, DragonBoard Flooring

EXTREMEGREEN BUILDING PRODUCTS LLC — Type 3/4 in. Shiplap Edge Extremegreen™ Board, 5/8 in. Tapered Edge Extremegreen™ Board, 1/2 in. Tapered Edge Extremegreen™ Board.

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CA

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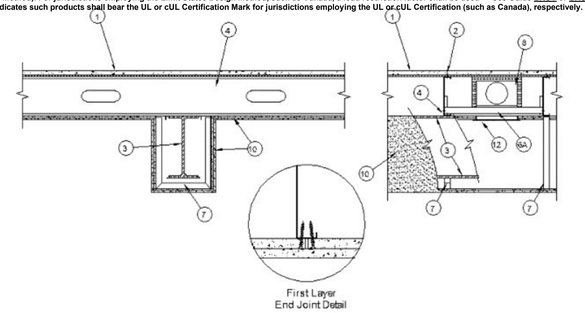
DESIGN NO. L524

Unrestrained Assembly Rating — 1 Hr.
Unrestrained Beam Rating — 1 Hr.
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Flooring System —** The flooring system shall consist of one of the following:

System No. 1

Finish Flooring — Min 19/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Long edges shall be T & G.

System No. 2

Subflooring — Min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.
Finish Flooring — Min 19/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Long edges shall be T & G.

System No. 3

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD
USG MEXICO S A DE C V — Types LRK, HSLRK, CSD
Floor Mat Materials* — (Optional) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25
Alternate Floor Mat Materials* — (Optional) - Nom 3/8 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under **Floor Topping Mixture.**
GRASSWORX L L C — Type SC50

System No. 4

Subflooring — Min 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.
ELASTIZELL CORP OF AMERICA — Type FF.

System No. 5

Subflooring — Min 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.
Floor Mat Materials* — (Optional)— Floor mat material nom 5/64 in. (2mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1 in. of floor-topping mixture.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat.
Alternate Floor Mat Materials - (Optional) — Floor mat material nom 1/4 in. (6mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/4 in. (32mm) of floor-topping mixture.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat II.
Alternate Floor Mat Materials - (Optional) — Floor mat material nom 1/8 in. (3mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 3/4 in. (19mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 125
Alternate Floor Mat Materials - (Optional) — Floor mat material nom 1/4 in. (6mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in. (25mm)
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 250, Quiet Qurl 55/025
Alternate Floor Mat Materials - (Optional) — Floor mat material nom 3/8 in. (10mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/4 in. (32mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 400, Quiet Qurl 60/040
Alternate Floor Mat Materials - (Optional) — Floor mat material nom 3/4 in. (19mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in. (38mm)
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 750, Quiet Qurl 65/075
Metal Lath (Optional) — For use with 3/8 in. (10 mm) floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1 9 cu ft of sand.
HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant.

System No. 6 Deleted.

System No. 7

Subflooring — Min 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
Mixture shall consist of 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand.
ULTRA QUIET FLOORS — Types UQF-A, UQF-Super Blend, UQF-Plus 2000.

System No. 8

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 3/4 thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
MAXXON CORP — Type Maxxon Standard and Maxxon High Strength
Floor Mat Materials* — (Optional) - Floor mat material loose laid over the subfloor.
MAXXON CORP — Type Encapsulated Sound Mat..
Floor Mat Reinforcement — (Optional) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.
Metal Lath — (Optional) — 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material.
Fiber Glass Reinforcement - (Optional, Not Shown) - 0.015 in. thick PVC coated non-woven fiberglass mesh, 0.368 lbs/sq yd loose laid over the floor mat material.

System No. 9

Subflooring — Min 15/32 in. thick wood structural panels, min grade C-D or Sheathing. Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
FORMULATED MATERIALS LLC — Types FR-25, FR-30, and SiteMix
Alternate Floor Mat Material* — (Optional) Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
FORMULATED MATERIALS LLC — Types M1, M2, M3, Elite, Duo, R1, and R2

System No. 10

Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Finish Flooring - Mineral and Fiber Board* — Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints.
HOMASOTE CO — Type 440-32 Mineral and Fiber Board

System No. 11

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water. **AERIX INDUSTRIES** — Floor Topping Mixture

System No. 12

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
ARCOSA SPECIALTY MATERIALS — AccuCrete® Types NexGen, Green, Prime and PrePour, AccuRadiant®, AccuLevel® Types G40, G50 and SD30
Alternate Floor Mat Material* - (Optional) - Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in. or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively.
ARCOSA SPECIALTY MATERIALS — AccuQuiet® Types D13, D-18, D25, DX38, EM.125, EM.125S, EM.250, EM.250S, EM.375, EM.375S, EM.750, and EM.750S.

System No. 13

Subflooring — 15/32 or 19/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring — Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 2100 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

System No. 14

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.
Finish Flooring* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floorand Roof-Topping Mixtures (CCOX) category for names of Classified Companies.
Floor Mat Materials* — (Optional) - Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/4 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 15

Subflooring — Min 23/32 in. thick T&G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.
Gypsum Board* — One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1 in. long No. 6 Type W bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches from the joints of the subfloor.
GEORGIA-PACIFIC GYPSUM L L C — Type DS
Floor Mat Materials* — (As an alternate to the single layer gypsum board) - Floor mat material loose laid over the subfloor.
MAXXON CORP — Type Encapsulated Sound Mat.
Gypsum Board* — (For use when floor mat is used) Two layers of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists on top of the floor mat material. Gypsum board secured to each other with 1 in. long No. 6 Type G bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches in between layers and from the joints of the subfloor.
GEORGIA-PACIFIC GYPSUM L L C — Type DS

System No. 16

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
DEPENDABLE LLC — GSL M3.4, GSL K2.6, GSL-CSD and GSL RH
Floor Mat Materials* — (Optional) - Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/4 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 17

Subflooring — Min 15/32 in. thick plywood or 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.
Wall and Partition Facings and Accessories* - Sound Barrier (Optional) — Acoustic Sleeper pads stapled to the top of the subfloor, the bottom of the finish floor, or to 5/16 in. thick by 1-1/2 in. wide wood strips and centered over joists. Acoustic Sleeper pads are to be spaced appropriately so that the finish floor panels are fastened through Acoustic Sleeper pads to the joist. **STC ARCHITECTURAL PRODUCTS L L C DBA STC SOUND CONTROL** — Acoustic Sleeper
Finish Floor — Min 19/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Butt joints of panels have the option of being sealed with any UL Classified caulk or sealant found under - Fill, Void or Cavity Materials* (XHHW).

System No. 18

Subflooring — Min 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture* — Min 1 in. thickness of floor topping mixture having a min compressive strength of 4500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
SIKA DEUTSCHLAND GMBH — Type SCHONOX AP Rapid Plus

System No. 19

Finish Flooring — 15/32 or 19/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.
Floor Mat Materials* — (Optional, Not Shown) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
LOW & BONAR INC — EnkaSonic® by Colbond a member of the Low & Bonar group Types 125, 250, 250 Plus, 400, 400 Plus, 750, and 750 Plus.
Floor Mat Reinforcement — (Optional) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.
Metal Lath — (Optional) — Expanded steel diamond mesh, 2.5 lb / sq yd loose laid over floor mat material.
Fiberglass Mesh Reinforcement — (Optional) — Coated non-woven glass fiber mesh grid loose laid over floor mat material.
2. **Flooring Fasteners —** (Not Shown) - The subflooring (first layer) of each floor system and finish flooring of System No. 1 are to be fastened to the steel joists with Type S12 by 1-15/16 in. long self-drilling, pilot point, steel screws. The screws are to be spaced 6 in. OC around the perimeter of the floor and at all end (butt) joints of the panels. Spacing in the field to be 10 in. OC. For flooring System No. 2, the finish flooring is to be fastened to the subflooring with Type S12 by 2 in. long steel screws spaced 6 in. OC around the perimeter of the floor and at all end (butt) joints of the finish flooring panels. Spacing in the field to be 10 in. OC with rows of screws spaced 16 in. OC.
3. **Structural Steel Member —** Min W8 x 15 wide flange steel beam.
4. **Steel Joists —** The joists are channel-shaped, min 7 in. deep with min 1-5/8 in. wide flanges and 1/2 in. long stiffening flanges. The joists are fabricated from min No. 18 MSG galv steel. Min yield strength of steel is either 33,000 or 40,000 psi with corresponding max working stress of 20,000 and 24,000 psi. Joists spaced max 24 in. OC. At joist splices bearing on supports, joists are overlapped a min of 3 in. **When ceiling damper (Item 8) is used, min joist depth is 14 in.**
5. **Joist Stiffeners —** (Not Shown) - Channel-shaped stiffeners, made from min No. 18 MSG galv steel. Stiffeners are 6-13/16 in. long, 3-1/2 in. deep with 1-5/8 in. flanges and 1/2 in. stiffening flanges. The joist stiffeners are used at all bearing locations of the joists.
6. **Joist Bridging —** (Not Shown) - Installed immediately after joists are erected and before construction loads are applied. The bridging consisting of joist section cut to length and placed between outer supports, adjacent to openings and at mid-span with 8 ft OC max spacing. Bridging channels are screw-attached at each end to joist webs using angle clips. V-bracing of 1-1/2 in. by 20-gal galvanized steel is screw-attached to bottom joist flange between bridging channels.

6A. **Horizontal Joist Bridging —** Used in lieu of Item 6 in same joist bay as ceiling damper (Item 8), when ceiling damper is employed. Joist section cut to length and secured to joists above bottom flanges with Type S12 screws and 1-1/2 by 1-1/2 in. No. 18 MSG galv steel angles.

7. **Beam Cage —** The cage used to support the gypsum board beam protection is fabricated from No. 24 MSG electrogalvanized steel angle with 7/8 by 1-3/8 in. legs and No. 25 MSG, electrogalvanized steel channel studs, 2-1/2 in. wide with 1 in. legs. Angles are fastened to the steel joists using 1/2 in. pan head steel sheet metal screws.
8. **Ceiling Damper* —** (Optional) - Max nom area shall be 198 sq in. Max rectangular size shall be 12 in. wide by 16-1/2 in. long. Max height of damper shall be 8-3/4 in. Aggregate damper openings shall not exceed 99 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille (Item 13) shall be installed in accordance with installation instructions.
RUSKIN COMPANY — Model CFD7
9. **Ceiling Damper Support —** (Not Shown) - Provided with ceiling damper. Support secured to ceiling damper and steel joists in accordance with installation instructions provided with ceiling damper.
10. **Gypsum Board* —** For Ceiling - Two layers of 1/2 in. thick gypsum board installed with long dimensions perpendicular to joists. Base layer attached to steel joists using 1 in. long, Type S12 bugle head steel screws spaced 8 in. OC along butt joints and 12 in. OC in field along the joists. Butt joints to occur beneath joists with screws located 1/2 in. for the butt joints. Outer layer attached to assembly using 1-1/2 in. long, Type G bugle head steel screws spaced 8 in. OC along butt joints and with 1-5/8 in. long, Type S12 bugle head steel screws spaced 12 in. OC in the field along the joists. Butt joints of outer layer to occur between joints with screws located 3/4 in. from the butt joints. Edge joints to be staggered between layers. **For Beam** - Two layers of 1/2 in. thick gypsum board fastened to beam cage. Inner layer secured using 1 in. long, Type S12 bugle head steel screws spaced 12 in. OC and outer layer fastened to cage using 1-5/8 in. long, Type S12 bugle head steel screws spaced 12 in. OC. Joints are to be staggered between layers.
AMERICAN GYPSUM CO — Type AG-C
CABOT MANUFACTURING ULC — Type C
CERTAINTEED GYPSUM INC — Type C
CGC INC — Type C, IP-X2
CERTAINTEED GYPSUM INC — Type LGFC-C/A
GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C
NATIONAL GYPSUM CO — Types XP-C, FSK-C, FSW-C
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C
PANEL REY S A — Type PRC
THAI GYPSUM PRODUCTS PCL — Type C
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C
UNITED STATES GYPSUM CO — Type C, IP-X2
USG BORAL DRYWALL SFZ LLC — Type C
USG MEXICO S A DE C V — Type C, IP-X2

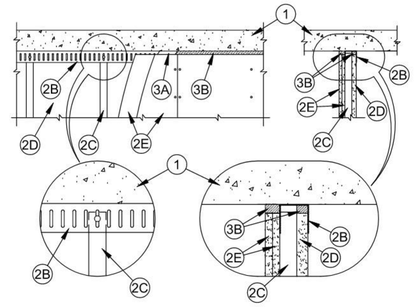
10A. **Gypsum Board* —** (Not Shown)- As an alternate to Item 12. Two layers of nom 5/8 in. thick by 48 in. wide gypsum board installed as described in Item 10. **CGC INC** — Type ULIX
UNITED STATES GYPSUM CO — Type ULIX

11. **Steel Framing Members* —** As an alternate to the direct attachment of the Gypsum Board* (Item 10), Steel Framing Members* and Gypsum Board* (Item 12) may be installed beneath the bottom flange of the steel beam.
a. **Main Runners —** Nom 12 ft long, with 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC, installed perpendicular to steel beam. Main runners hung a min of 2 in. below bottom chord of steel beam and secured to steel joists with No. 12 SWG galv steel wire, spaced a max of 48 in. OC.
b. **Cross Tees or Channels —** Nom 4 ft long cross tees, with 15/16 in. or 1-1/2 in. wide face, or nom 4 ft long cross channels, with 1-1/2 in. wide face, either spaced 16 in. OC, installed perpendicular to the main runners. Additional cross tees or channels used 8 in. from each side of butted gypsum board end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.
c. **Wall Angles or Channels —** Used to support steel framing member ends and for screw-attachment of the gypsum board. Painted or galvanized steel angles with 1 in. legs or channels with 1 in. legs and 1-9/16 in. deep, attached to walls at perimeter of ceiling with fasteners 16 in. OC.
CGC INC — Type DGL or RX.
USG INTERIORS LLC — Type DGL or RX.
1. **Gypsum Board* —** Two layers of nom 1/2 in. thick by 48 in. wide gypsum board for use with **Steel Framing Members***. Base layer installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Base layer fastened to cross tees with 1-1/4 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the board. End joints of adjacent gypsum board sheets shall be staggered not less than 4 ft OC. Outer layer attached to the cross tees through inner layer using 1-7/8 in. long Type S bugle-head steel screws spaced 8 in. OC at butted end joints and 12 in. OC in the field. Butted end joints to be centered along cross tees and be offset a min of 32 in. from end joints of inner layer. Rows of screws on both sides of butted end joints of each layer shall be located 3/8 to 1/2 in. from end joints. Butted side joints of outer layer to be offset a min of 18 in. from butted side joints of inner layer. **CGC INC** — Type C, IP-X2.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C **UNITED STATES GYPSUM CO** — Type C, IP-X2.
USG BORAL DRYWALL SFZ LLC — Type C
USG MEXICO S A DE C V — Type C, IP-X2.
13. **Grille —** Steel grille, installed in accordance with the installation instructions provided with the ceiling damper.
14. **Discrete Products Installed in Air-handling Spaces* —** Automatic Balancing Valve/Damper — (Not Shown - Optional) — For use with item 8, Ruskin Company's Model CFD7 damper (CABS). Ceiling damper to be provided with plenum box per damper manufacturer's instructions with side outlet only. Entire assembly to be installed into any UL Class 0 or Class 1 flexible air duct in accordance with the instructions provided by the automatic balancing valve/damper manufacturer.
METAL INDUSTRIES INC — Model ABV-4, ABV-5, ABV-6

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

System No. HW-D-0194

Assembly Ratings - 1 and 2 Hr (See Items 2 and 3B)
Joint Width- 1 in. Max
L Rating At Ambient - Less Than 1 CFM/Lin Ft (See Item 3B)
L Rating At 400°F - Less Than 1 CFM/Lin Ft (See Item 3B)
Class II Movement Capabilities-25 Percent Compression or Extension



1. **Floor Assembly -** Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete.
2. **Shaft Wall Assembly -** With the exception of the ceiling runner, the 1 or 2 hr fire rated shaft wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400-Series Wall and Partition Design in the UL Fire Resistance Directory. The wall shall include the following construction features:
   A. **Floor and Wall Runners -** (Not Shown) - "J"-shaped runner, min 2-1/2 in. (64 mm) wide with unequal legs of 1 in. (25 mm) and 2 in. (51 mm), fabricated from min 24 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to walls and floor with steel fasteners spaced max 24 in. (610 mm) OC. As an alternate to the "J"-shaped runner, a min 2-1/2 in. (64 mm) wide by 1 or 1-1/4 in. (25 or 32 mm) deep channel formed from min 24 MSG galv steel may be used for the floor runner.
   B. **Light Gauge Framing* - Slotted Ceiling Track -** Slotted ceiling track shall consist of galv steel channels with slotted flanges. Slotted ceiling track sized to accommodate steel "C-H" studs (Items 2C). Attached to concrete at ceiling with steel fasteners spaced max 12 in. OC (305 mm).
   BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS - SLP-TRK
   CEMCO, LLC - CST
   CLARKDIETRICH BUILDING SYSTEMS - Type SLT, SLT-H
   MARINO/WARE, DIV OF WARE INDUSTRIES INC - Type SLT
   RAM SALES L L C - RAM Slotted Track
   SCAFCO STEEL STUD MANUFACTURING CO
   STEELER INC - Steeler Slotted Ceiling Runner
   TELLING INDUSTRIES L L C - True-Action Deflection Track
   C. **Steel Studs -** "C-H"-shaped steel studs to be min 2-1/2 in. (64 mm) wide and formed of min 24 MSG galv steel. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in slotted ceiling track. Studs spaced 24 in. (610 mm) OC. After installation of gypsum board liner panels (Item 2D), studs secured to flange of floor runner on finished side of wall only with No. 6 by 1/2 in. (13 mm) long self-drilling, self-tapping steel screws. Studs secured to flange of slotted ceiling track on finished side of wall only with No. 8 by 1/2 in. (13 mm) long self-drilling, self-tapping wafer head steel screws at slot midheight.
   D. **Gypsum Board* -** 1 in. (25 mm) thick by 24 in. (610 mm) wide gypsum board liner panels as specified in the individual U400 or V400-Series Wall and Partition Design. Panels cut 1 in. (25 mm) less in length than floor to ceiling height. Vertical edges inserted in "H"-shaped section of "C-H" studs. Free edge of end panels attached to long leg of "J" runner (Item 2A) with 1-5/8 in. (41 mm) long Type S steel screws spaced max 12 in. (305 mm) OC.
   E. **Gypsum Board* -** Gypsum board sheets, 1/2 or 5/8 in. (13 or 16 mm) thick, applied vertically or horizontally in one or two layers on finished side of wall as specified in the individual U400 or V400-Series Wall and Partition Design. A max 1 in. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom surface of the concrete floor. The screws attaching the gypsum board layers to the C-H studs shall be located 1 in. (25 mm) below the bottom of the slotted ceiling track (Item 2C). No gypsum board attachment screws are to penetrate the slotted ceiling track.
   The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.
3. **Joint System -** Max separation between bottom of floor and top of liner panel (Item 2D) and between bottom of floor and top of gypsum board sheets (Item 2E) at time of installation of joint system is 1 in. (25 mm). The joint system is designed to accommodate a maximum 25 percent compression or extension from its installed width. The joint system consists of bond breaker tape and sealant, as follows:
   A. **Bond Breaker Tape -** Polyethylene tape supplied in rolls. Tape applied to flanges of slotted ceiling track (Item 2D) to prevent bonding of the sealant at points other than the top and bottom of the linear gap. Bond breaker tape is optional when movement capability of the joint is limited to compression only.
   B. **Fill, Void or Cavity Material* - Sealant -** Min 1 in. (25 mm) depth of sealant to be installed to fill linear gap between top of gypsum board liner panel (Item 2D) and top inside surface of slotted ceiling track (Item 2B) prior to installation of gypsum board sheets on finished side of wall. For 1 hr fire rated walls, min 5/8 in. (16 mm) depth of sealant to be installed to fill linear gap between top of gypsum board sheet (Item 2E) and bottom of concrete floor. For 2 hr walls, min 1 in. (25 mm) depth of sealant to be installed to fill linear gap between top of gypsum board sheets (Item 2E) and bottom of concrete floor.
   SPECIFIED TECHNOLOGIES INC - SpecSeal ES Elastomeric Sealant or SpecSeal LCI Sealant. **L Ratings apply when SpecSeal ES Elastomeric Sealant is used. When SpecSeal LCI Sealant is used, the movement capability of the joint is limited to 25 percent in compression only**.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

SHAFT WALL ASSEMBLY HW-D-0194 12" = 1'-0" 4

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
FIRE RATED DETAILS

PROJECT NO.
22-12499

DRAWING
A873

PLOT DATE: 8/14/2026 11:06:59 AM

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16' - 10" 17' 17'

Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

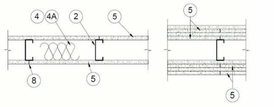
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

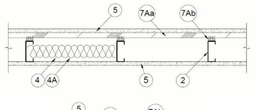
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

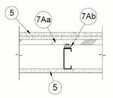
Design No. U419

December 15, 2025

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J)
*** Indicates such products shall bear the UL or cUL Certification Mark for Jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**







1. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min l-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.
CEMCO, LLC — Viper-25™ Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ track

1B. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, l-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CEMCO, LLC — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper-20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1D. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I or 5J, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

THE MILL STEEL COMPANY — ProTRAK

1F. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1-1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
SUPER STUD BUILDING PRODUCTS — The Edge

1G. **Framing Members* — Floor and Ceiling Runner —** For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.
STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

1K. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, l-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1L. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, l-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1M. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2T, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
OEG BUILDING MATERIALS — OEG Track

1O. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
CEMCO, LLC — Viper X Track

1P. **Framing Members* — Floor and Ceiling Runner —** (Not Shown — Alternate to Item 1) — For use with Item 2R, channel shaped runners pre-equipped with proprietary attachment clips. Min. 3-5/8 in. wide. Legs of top runners minimum 3-1/4 in. wide. Legs of bottom runners minimum 1-1/2 in. wide. Runners attached to floor and ceiling with fasteners 24 in. OC max.
HYPERFRAME INC - Hypertrack

1Q. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2S, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 20 EQ/22 mils. (min. 0.0221 in. thick) galvanized steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
JJC INTERNATIONAL DISTRIBUTORS — Non-structural Tracks 3-5/8" and 6".

1R. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2T, proprietary channel shaped runners ,min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max
IRONLINE METALS LLC — Bantam Track.

2. **Steel Studs —** Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Steel Studs —** (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J or Type ULIX) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. **Framing Members* — Steel Studs —** (As an alternate to Item 2, For use with Items 5C, 5I or Type ULIX) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.
CEMCO, LLC — Viper25™

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
CEMCO, LLC — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. **Framing Members* — Steel Studs —** In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2E. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or Type ULIX only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

THE MILL STEEL COMPANY — ProSTUD

2F. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.
SUPER STUD BUILDING PRODUCTS — The Edge

2G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2I. **Framing Members* — Steel Studs —**

2J. **Framing Members* — Metal Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item I, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
EB METAL INC — NITROSTUD

2L. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item I, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2M. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item I, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2N. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2O. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
OEG BUILDING MATERIALS — OEG Stud

2Q. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1O, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
CEMCO, LLC — Viper X

2R. **Framing Members* — Steel Studs —** (Not Shown — Alternate to Item 2, For use with Item 1P) — Channel shaped steel studs with attachment clips at top and bottom, min 3-5/8 in. depth, spaced a max of 24 in. OC. Studs shaped into floor and ceiling runners (Item 1P). Max 2-3/8 in. extension reveal from top of stud to inside of ceiling runner.
HYPERFRAME INC - Hyperstud

2S. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1Q, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min. 20 EQ/22 mils. (min. 0.0221 in. thick) galvanized steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
JJC INTERNATIONAL DISTRIBUTORS — Non-structural Studs 3-5/8" and 6".

2T. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1R, proprietary channel shaped steelstuds, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in length than assembly heights.
IRONLINE METALS LLC — Bantam Stud.

3. **Wood Structural Panel Sheathing —** (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets* —** (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4A. **Batts and Blankets* —** (Optional — as an alternate to item 4) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4B. **Fiber, Sprayed* —** (Optional — as an alternate for items 4 or 4A, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

4C. **Foamed Plastic* —** (As an alternate for Items 4, 4A or 4B, for use with Item 5K) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness.
CARLISLE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

4D. **Foamed Plastic* —** (As an alternate for Items 4, 4A or 4B, for use with Item 5K) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness.
BASF CORP - Enertite® NM, Enertite® G, FE178®, Sprayfilm® 178, Sprayfilm® 81206, Wallfilm® 200, Wallfilm® US, Wallfilm® US-N, Wallfilm HP+, FE137®, FE158®, Sprayfoam® 158, Sprayfilm® 81205, Wallfilm® MAX, Wallfilm® LWP, Wallfilm® Plus, Wallfilm® One, and Enertite® Max

4E. **Foamed Plastic* —** (As an alternate to Item 4 for use with Item 5L) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness.
BASF CORP - Wallfilm® v 5

5. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Type C and 5/8 in. thick Type SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE
USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE
USG MEXICO S A DE C V — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX, WRC or, 3/4 in. thick Types IP-X3 or ULTRACODE

When term 7B, **Steel Framing Members***, is used, Nonbearing Wall Rating is limited to 1 hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.
CGC INC — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. **Gypsum Board* —** (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to at 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).
RAY-BAR ENGINEERING CORP — Type RB-LBD

5C. **Gypsum Board* —** (For Use With Item 2B) — Rating Limited to 1 hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) – The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 8 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CGC INC — Type SCX, ULIX.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX
UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX.
USG BORAL DRYWALL SFZ LLC — Type SCX
USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.
CGC INC — Type USGX
UNITED STATES GYPSUM CO — Type USGX
USG BORAL DRYWALL SFZ LLC — Type USGX
USG MEXICO S A DE C V — Type USGX

5E. **Gypsum Board* —** (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5F. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel stud with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX
UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX, ULIX
USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Types C and 5/8 in. thick SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, IPC-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC- AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE
USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE
USG MEXICO S A DE C V — 1/2 in. Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or, 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board* —** (Not Shown) — (As an alternate to item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to at 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with l-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. **Gypsum Board* —** (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.
CGC INC — Type ULIX, ULX
UNITED STATES GYPSUM CO — Type ULIX, ULX

USG MEXICO S A DE C V — Type ULX

5J. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with l-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5K. **Gypsum Board* —** (As an alternate to Item 5 when Foam Plastic Insulation (Items 4E) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC.

5L. **Gypsum Board* —** (As an alternate to Item 5 when Foam Plastic Insulation (Items 4E) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Additional layer of Gypsum Board is required to what is shown in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. For 2 layer assemblies inner layer attached to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC, outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC. For 3 layer assemblies inner layers installed as described in the 2 layer system above, third layer attached to studs over inner layers with 2-5/8 in. long steel screws spaced 8 in. OC.

6. **Fasteners —** (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Single layer system with Type ULIX:** 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in

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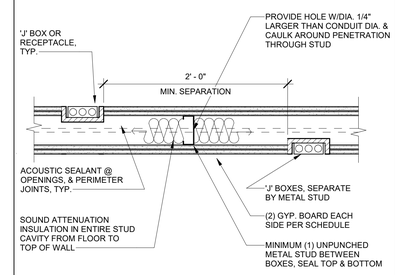
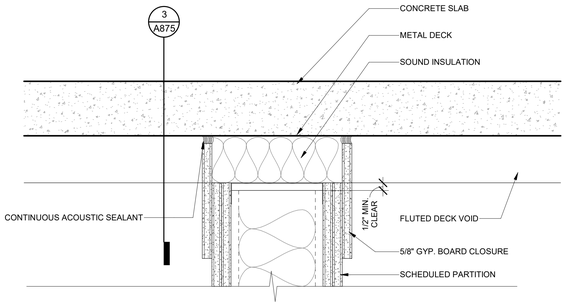
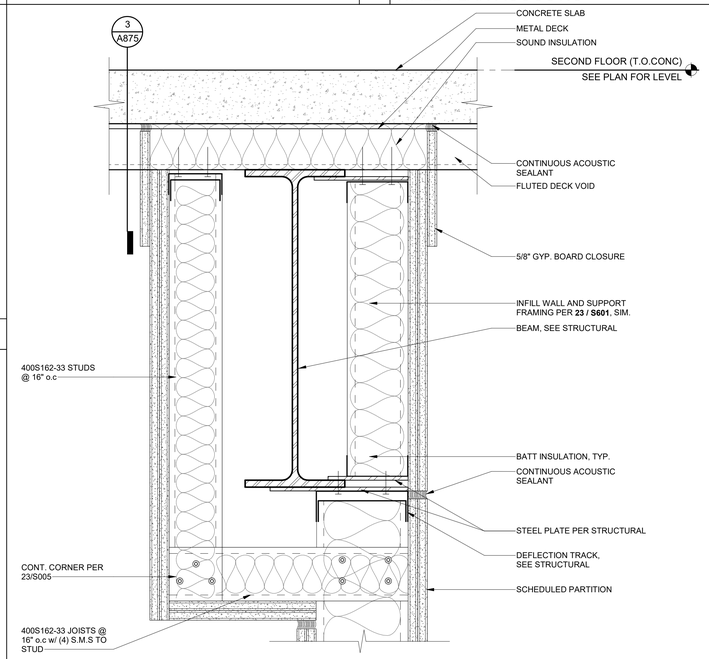


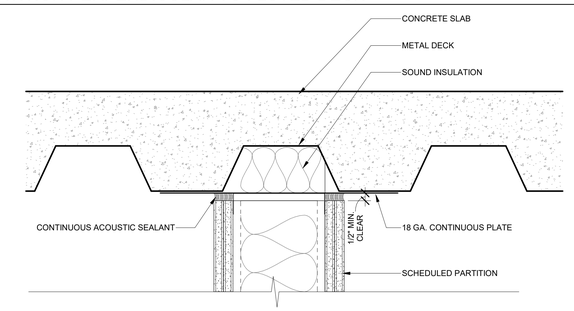
WALL PLAN ACOUSTIC 1 1/2" = 1'-0" 11



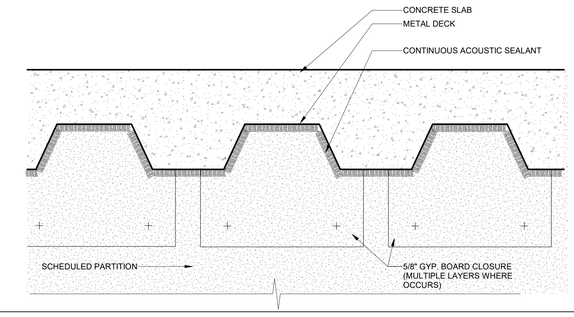
TYPICAL PARTITION PERPENDICULAR TO FLUTED DECK 3" = 1'-0" 1



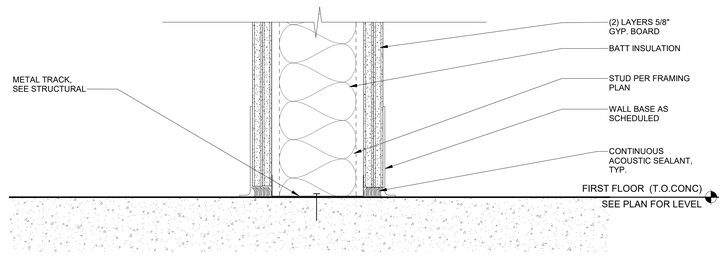
PARTITION AT FLUTED DECK 3" = 1'-0" 13



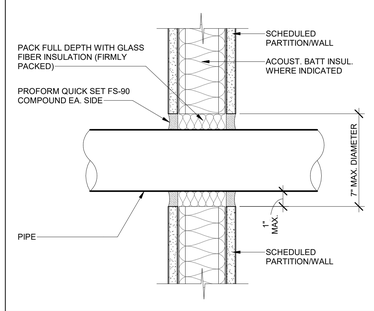
TYPICAL PARTITION PARALLEL TO FLUTED DECK 3" = 1'-0" 2



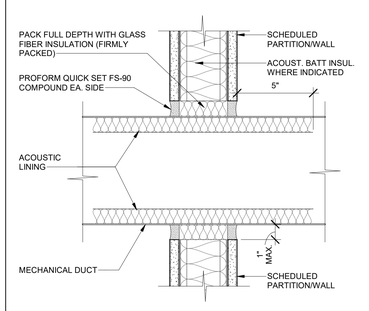
TYPICAL ELEVATION VIEW AT FLUTED DECK 3" = 1'-0" 3



TYPICAL PARTITION AT SLAB 3" = 1'-0" 4



ACOUSTIC SEAL AT PIPE 3" = 1'-0" 10



ACOUSTIC SEAL AT DUCT 3" = 1'-0" 5

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B	08-14-26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
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VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ACOUSTIC DETAILS

PROJECT NO.
22-12499

DRAWING
A875

PLOT DATE: 8/14/2026 11:07:12 AM

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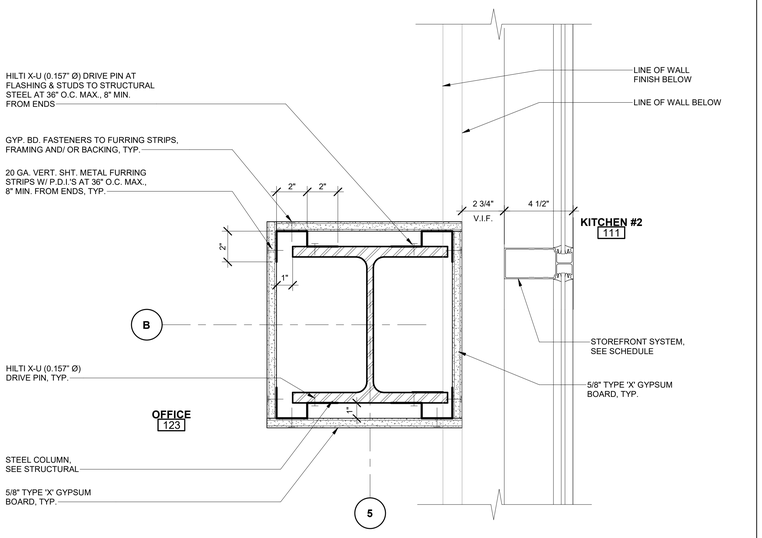
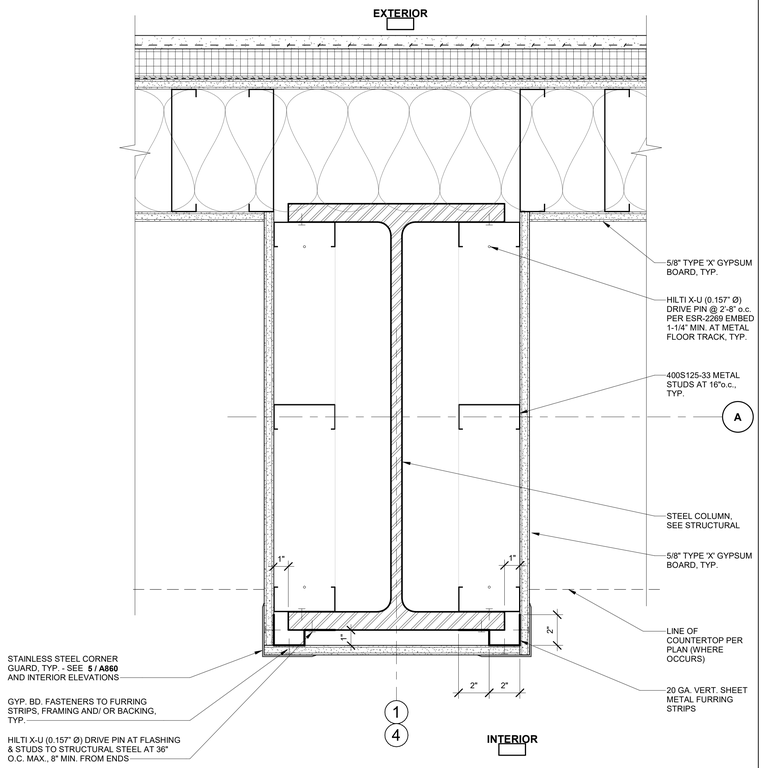


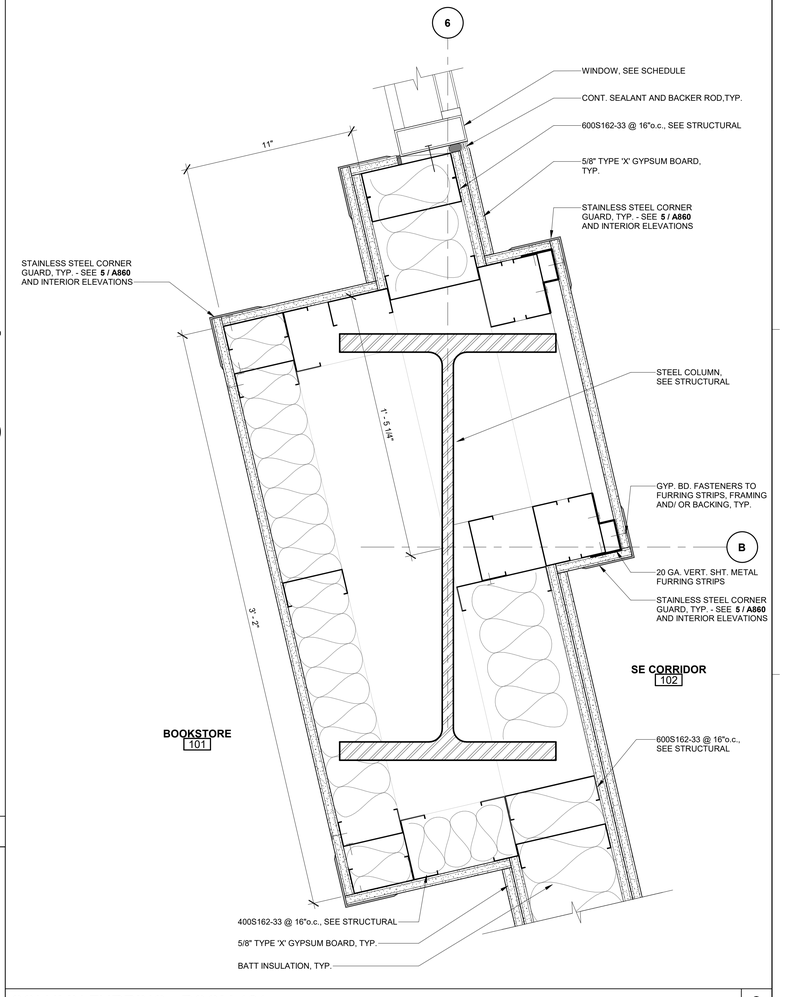
COLUMN FURRING - ROOM 123

3" = 1'-0" | 22



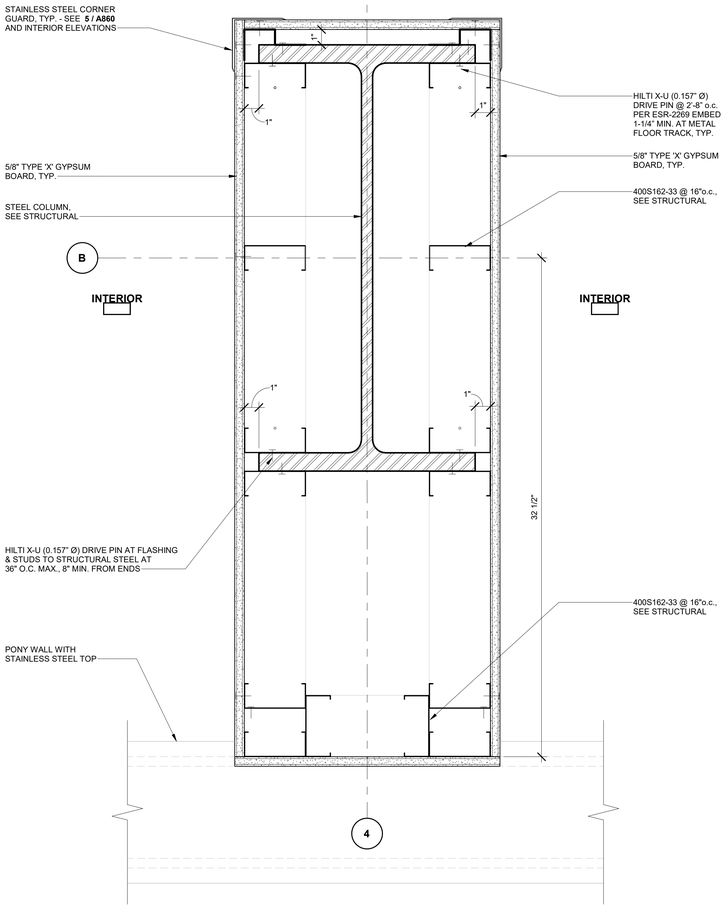
COLUMN FURRING - ROOM 125 AND 138

3" = 1'-0" | 8



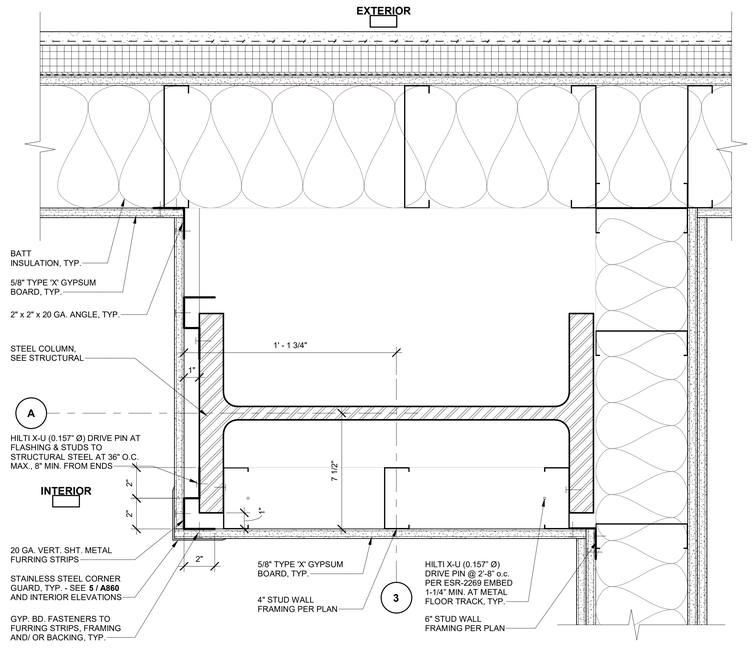
COLUMN FURRING - ROOM 101

3" = 1'-0" | 3



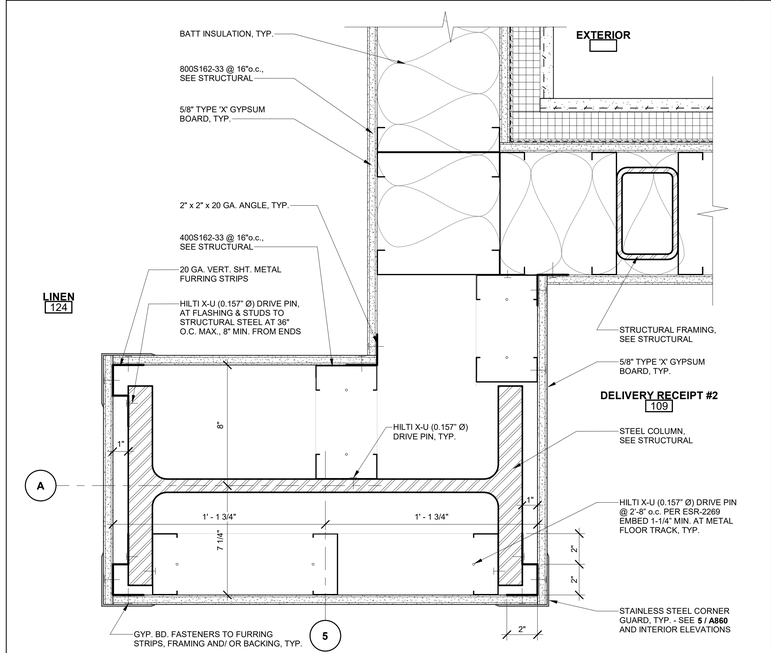
COLUMN FURRING - ROOM 111

3" = 1'-0" | 24



COLUMN FURRING - ROOM 114

3" = 1'-0" | 15



COLUMN FURRING - ROOM 124

3" = 1'-0" | 5

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
COLUMN FURRING DETAILS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A880

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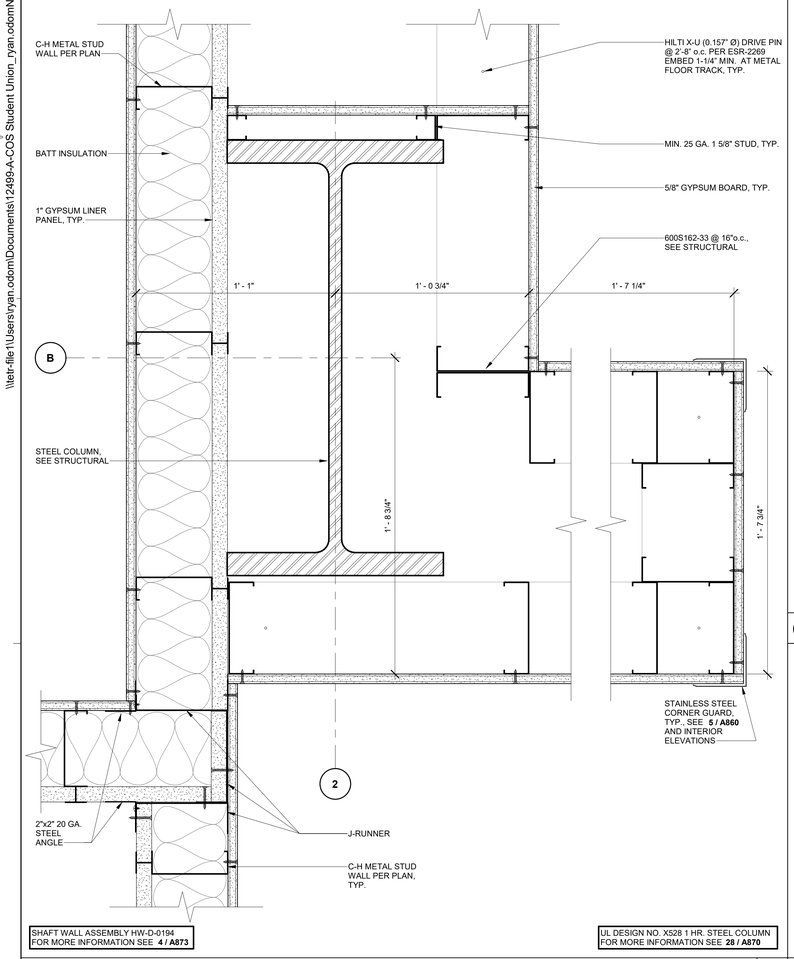
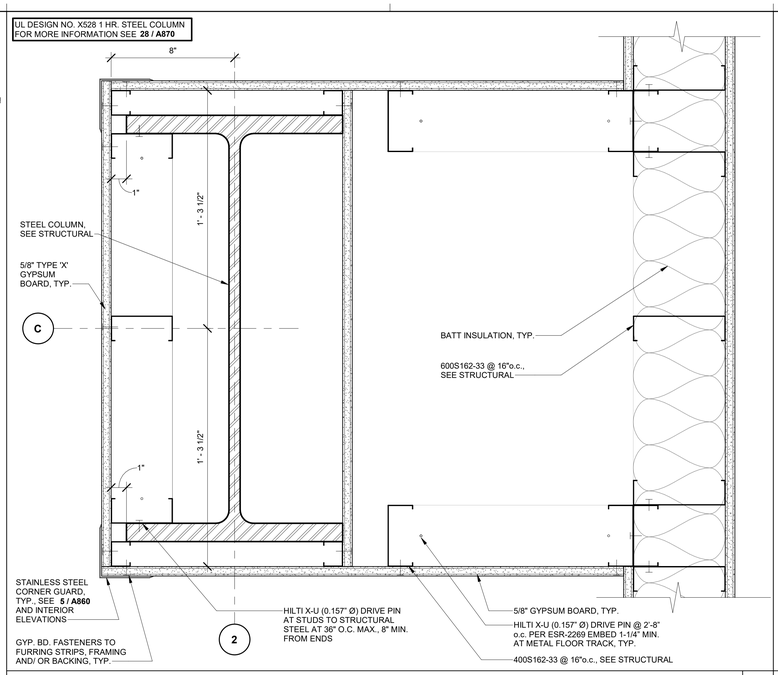


SHAFT WALL ASSEMBLY HW-D-0194
FOR MORE INFORMATION SEE **4 / A873**

UL DESIGN NO. X528 1 HR. STEEL COLUMN
FOR MORE INFORMATION SEE **28 / A870**

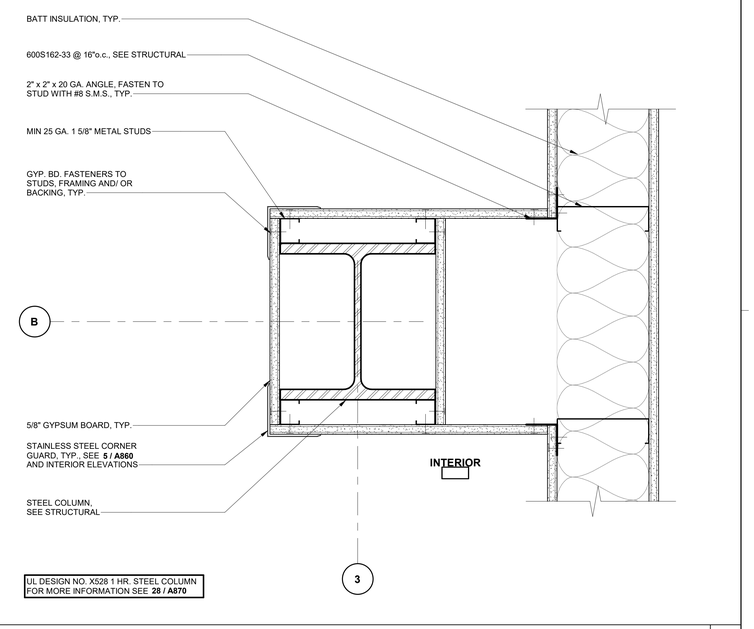
COLUMN FURRING - ROOM 117A

3" = 1'-0" | 23



COLUMN FURRING - ROOM 134

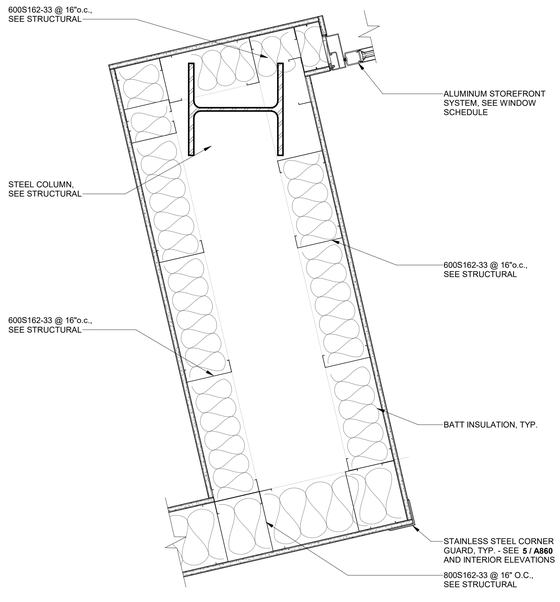
3" = 1'-0" | 12



UL DESIGN NO. X528 1 HR. STEEL COLUMN
FOR MORE INFORMATION SEE **28 / A870**

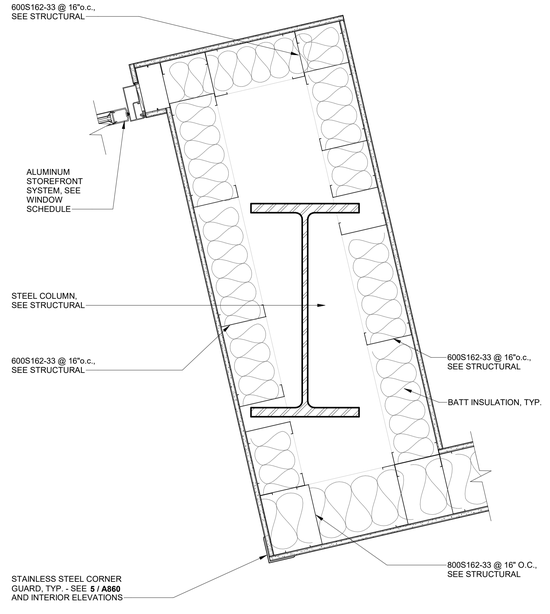
COLUMN FURRING - ROOM 112

3" = 1'-0" | 2



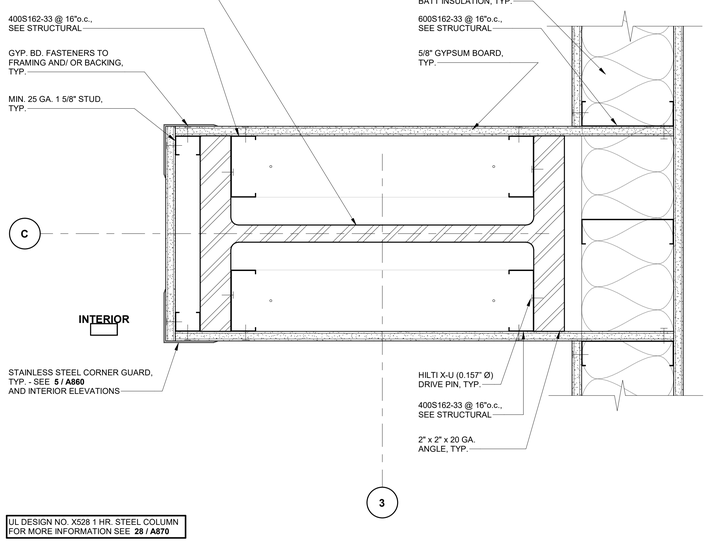
JAMB - BOOKSTORE 1

1 1/2" = 1'-0" | 20



JAMB - BOOKSTORE 2

1 1/2" = 1'-0" | 15



UL DESIGN NO. X528 1 HR. STEEL COLUMN
FOR MORE INFORMATION SEE **28 / A870**

COLUMN FURRING - 100D

3" = 1'-0" | 4

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
COLUMN FURRING DETAILS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A881

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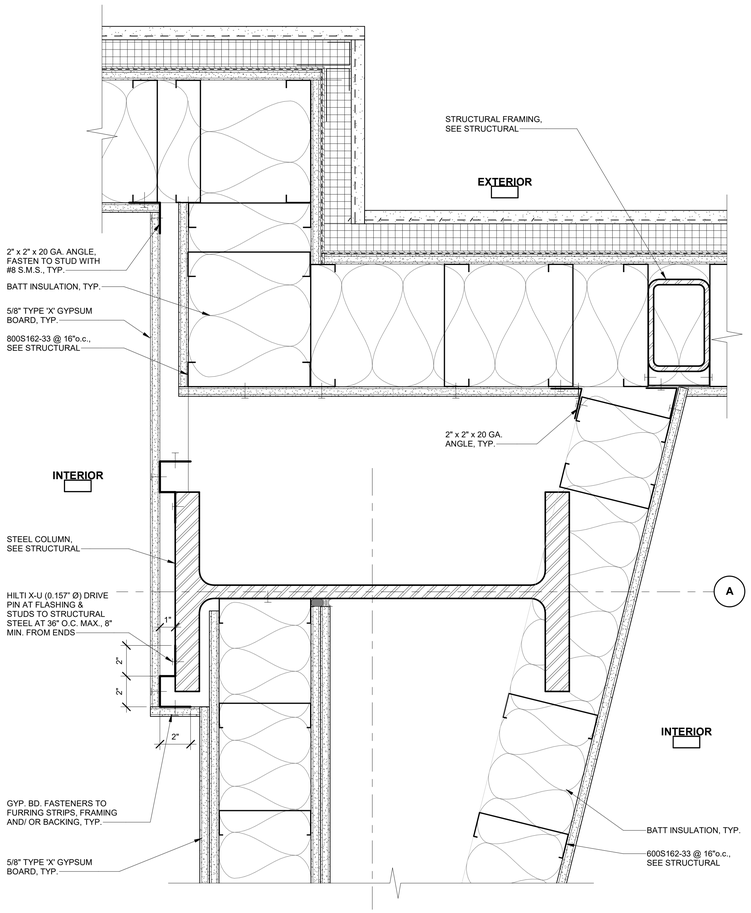
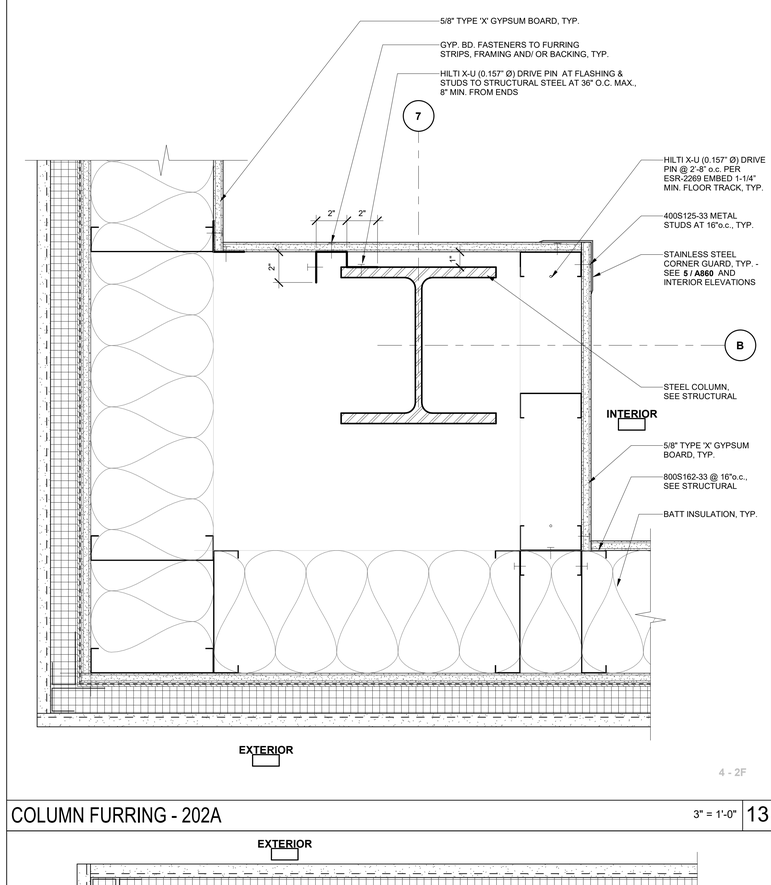
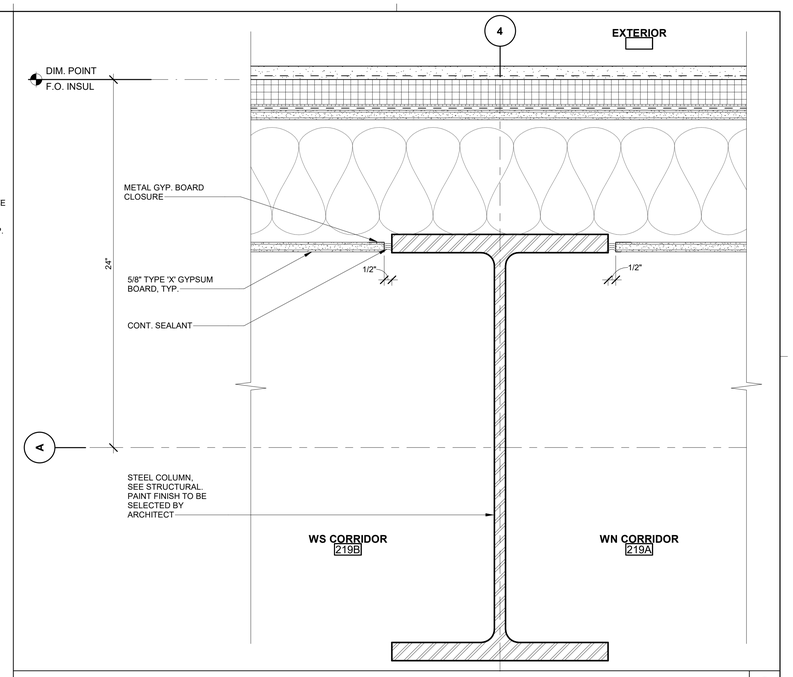


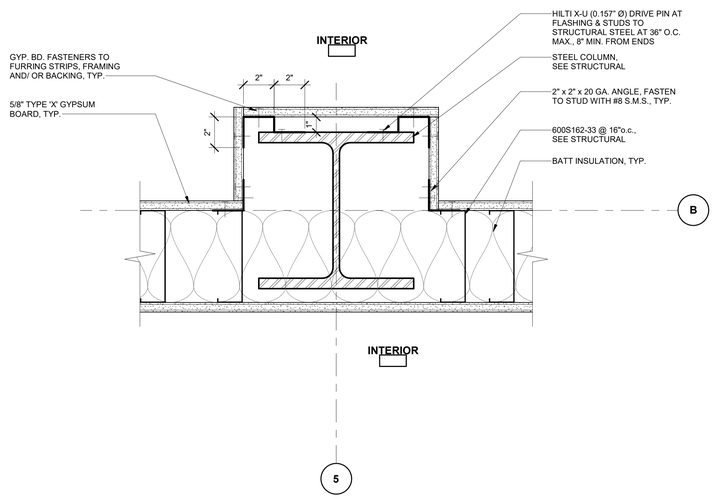
COLUMN FURRING - ROOM 202E — 3" = 1'-0" — 23



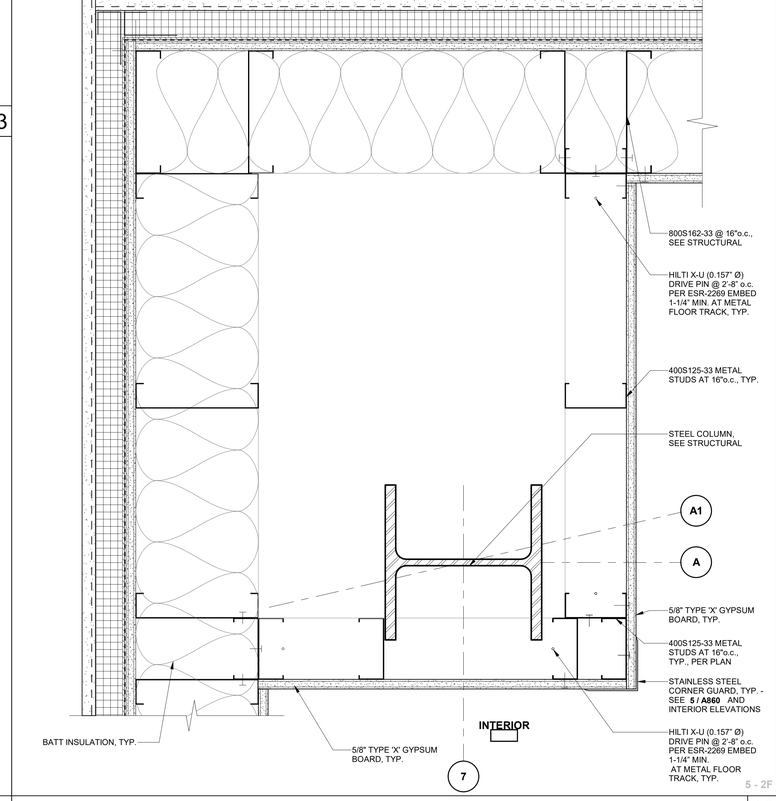
COLUMN FURRING - 202A — 3" = 1'-0" — 13



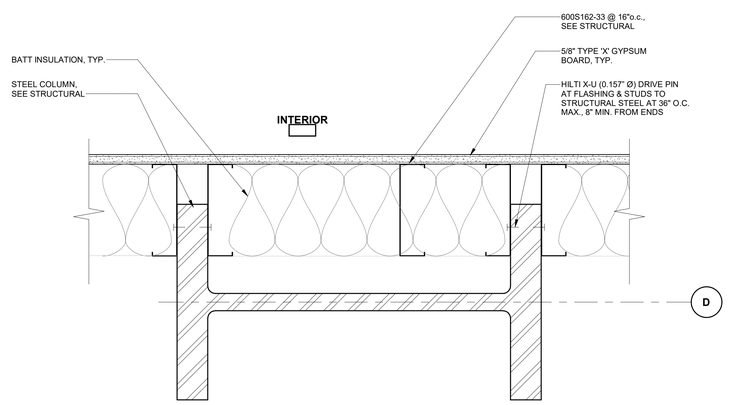
COLUMN AT WEST CORRIDOR 219 — 3" = 1'-0" — 2



COLUMN FURRING - 207A — 3" = 1'-0" — 25



COLUMN FURRING -ROOM 202D — 3" = 1'-0" — 15



COLUMN FURRING - ROOM 201 — 3" = 1'-0" — 5

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DRAWING TITLE
COLUMN FURRING DETAILS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A882

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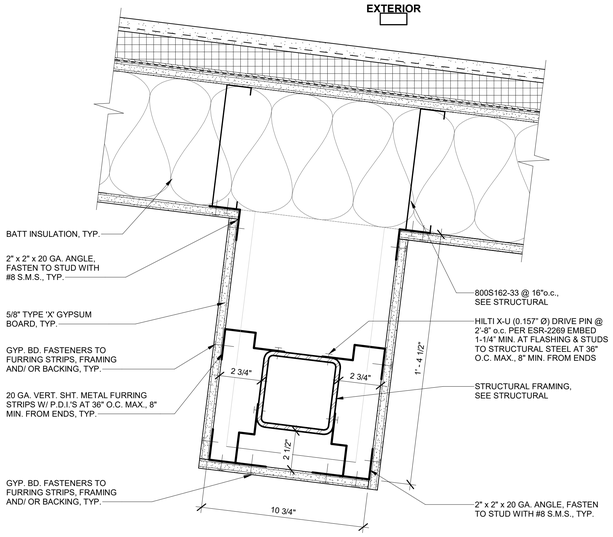
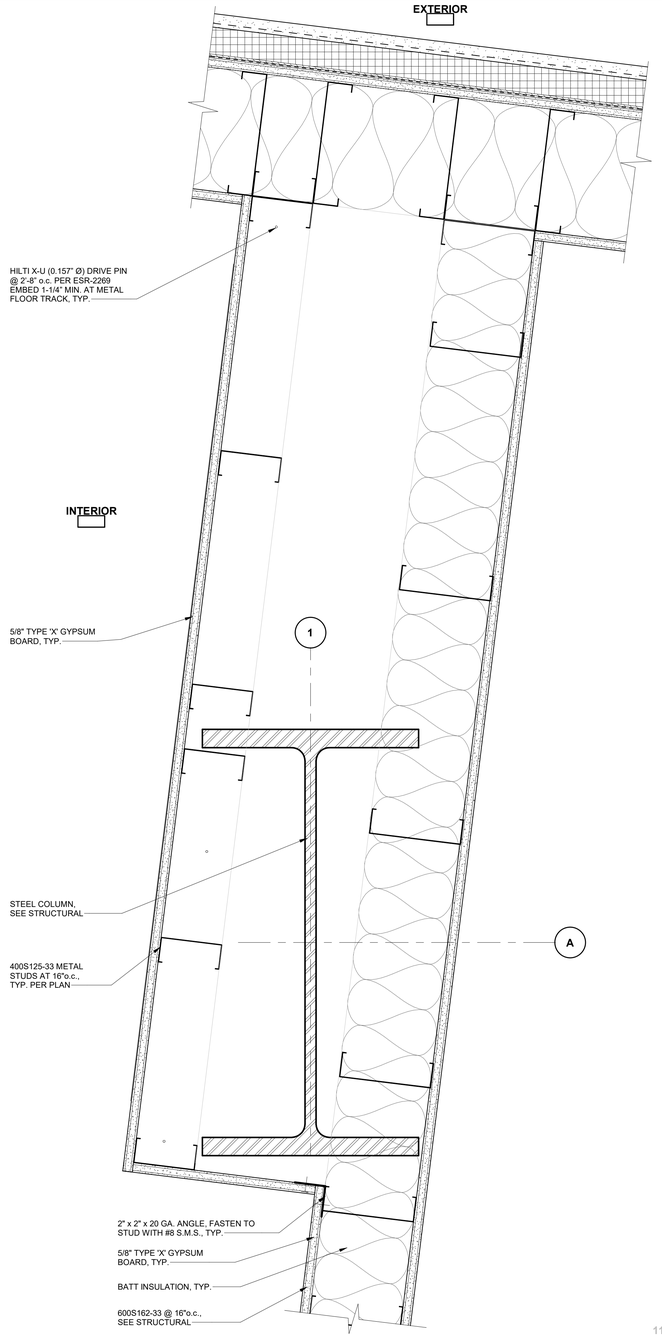
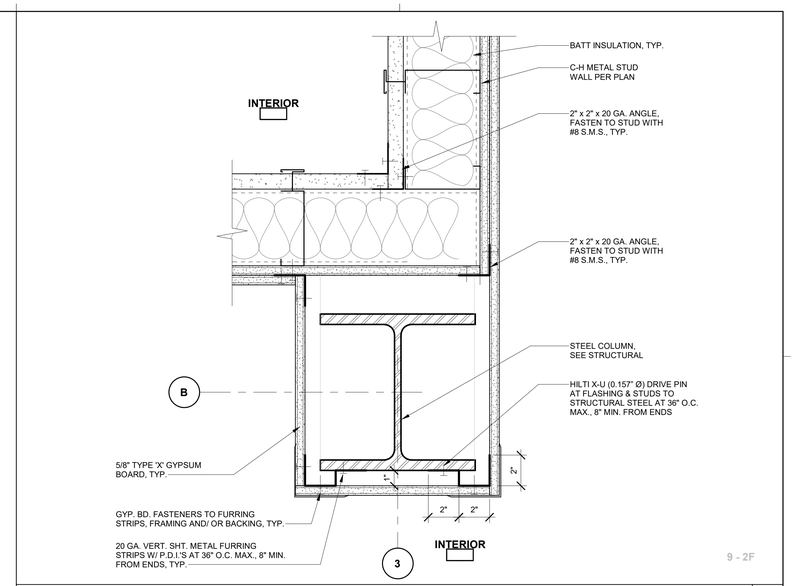


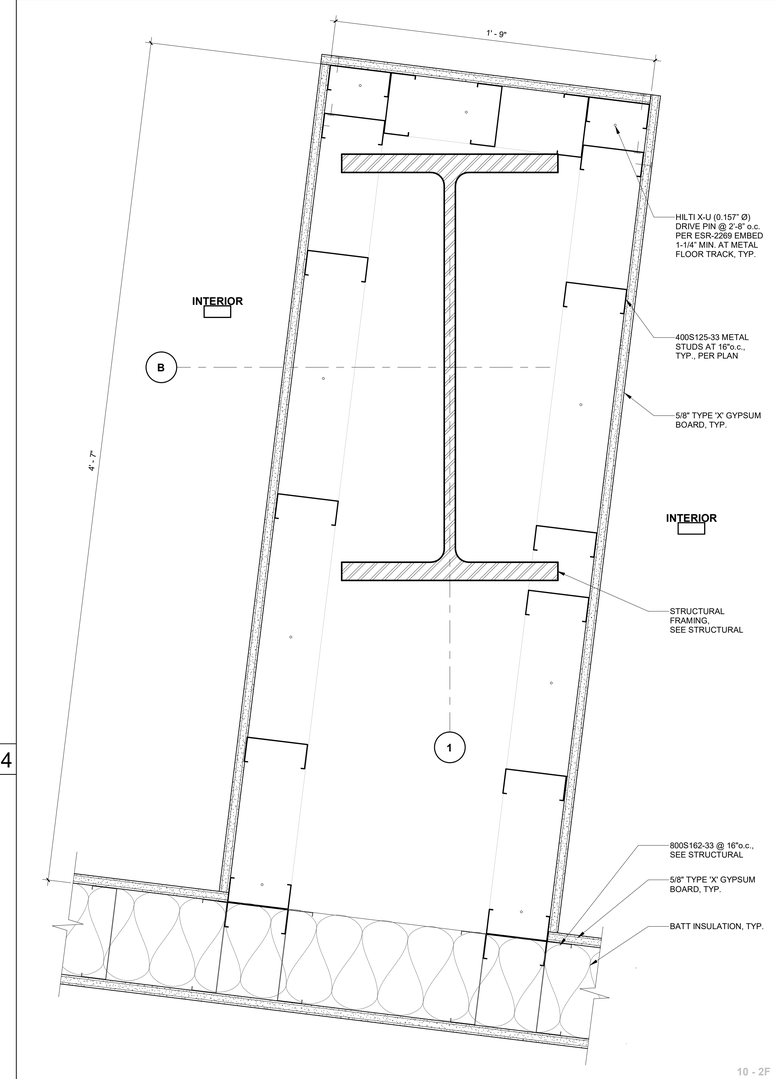
COLUMN FURRING - ROOM 217D — 3" = 1'-0" — 22



COLUMN FURRING - ROOM 217A — 3" = 1'-0" — 14



COLUMN FURRING - ROOM 210D — 3" = 1'-0" — 2



COLUMN FURRING - ROOM 217 — 3" = 1'-0" — 5

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
COLUMN FURRING DETAILS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A883

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OVERALL FLOOR FINISH PLAN - FIRST FLOOR

1/8" = 1'-0" | 4

LEGEND

- CT-1, CERAMIC TILE 2x2, MORTAR BED, TCNA F121
- ALUMINUM DIAMOND TREAD
- CPT-1, CARPET COLOR 1
- RESINOUS FLOORING
- SEALED CONCRETE
- LVT
- POLISHED CONCRETE INTEGRAL COLORED

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DRAWING TITLE
FLOOR FINISH PLAN - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A901

PLOT DATE: 8/14/2026 11:07:26 AM

FINISH FLOOR PLAN - SECOND FLOOR

1/8" = 1'-0" | 4

LEGEND

- CT-1, CERAMIC TILE 2x2, MORTAR BED, TCNA F121
- ALUMINUM DIAMOND TREAD
- CPT-1, CARPET COLOR 1
- RESINOUS FLOORING
- SEALED CONCRETE
- LVT
- POLISHED CONCRETE INTEGRAL COLORED

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DRAWING TITLE
FLOOR FINISH PLAN - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A902

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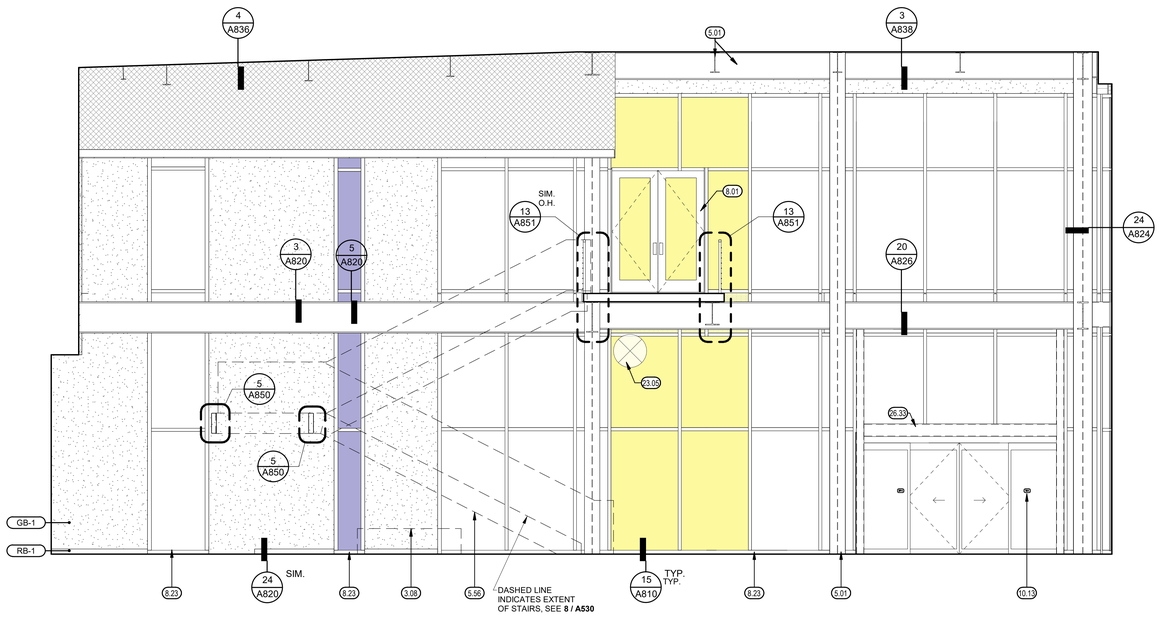
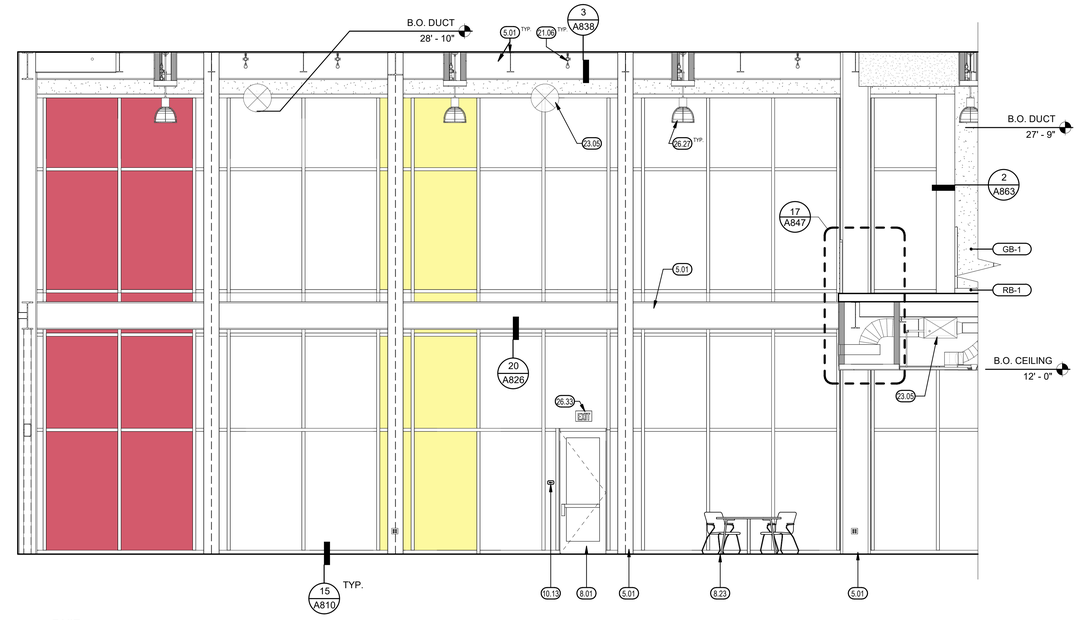
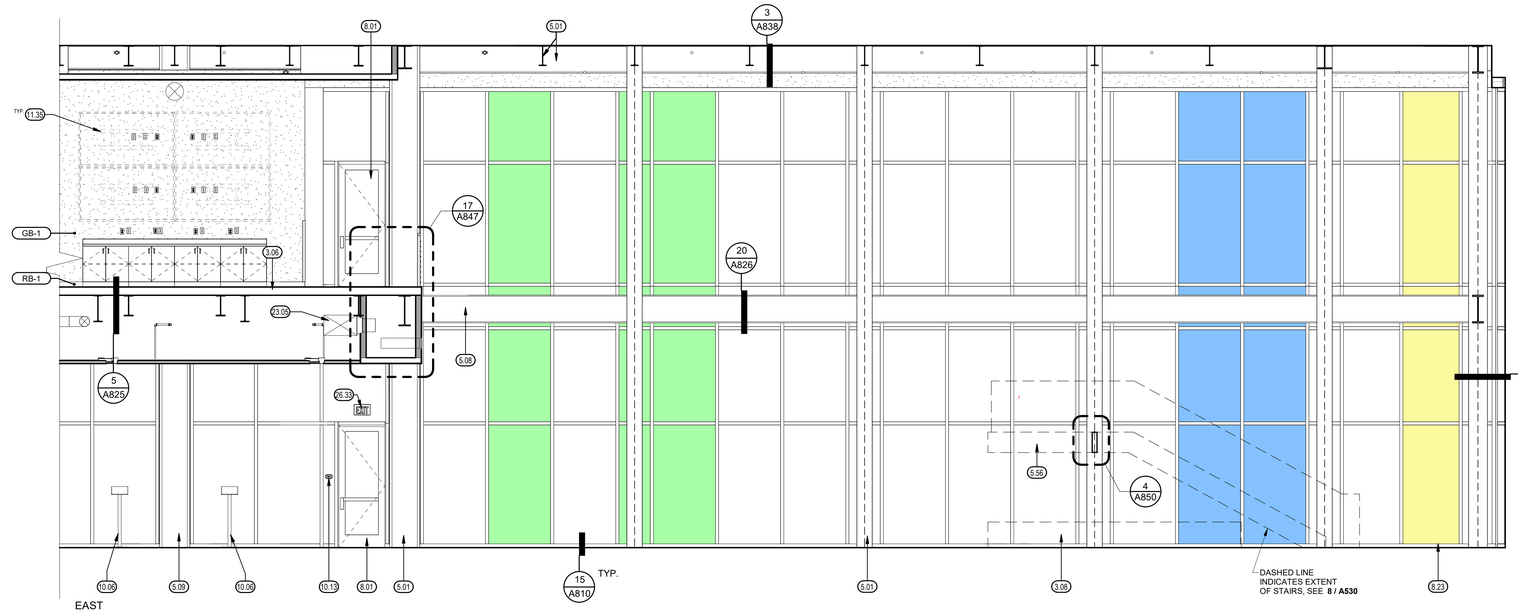


NORTH

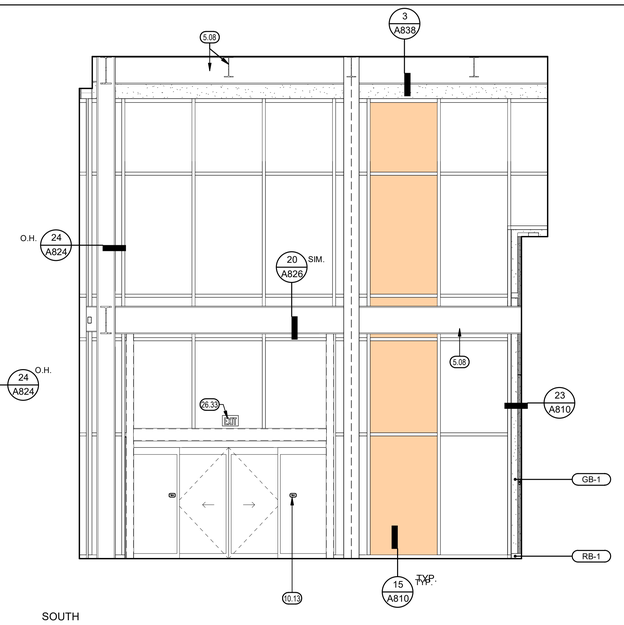


EAST

100/A SOUTH LOUNGE/ DINING/ NORTH LOUNGE



EAST



SOUTH

100/A SOUTH LOUNGE/ DINING/ NORTH LOUNGE

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
3.08	CONCRETE BENCH, SEE **5 / A530**
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.08	STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
5.09	WIDE FLANGE COLUMN, SEE STRUCTURAL
5.56	STEEL STAIRS, SEE **11 / A850**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.23	ALUMINUM CURTAIN WALL, TYP., - SEE WINDOW SCHEDULE
10.06	SELF-SERVE KIOSK, O.F.C.I., SEE **10 / A518**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

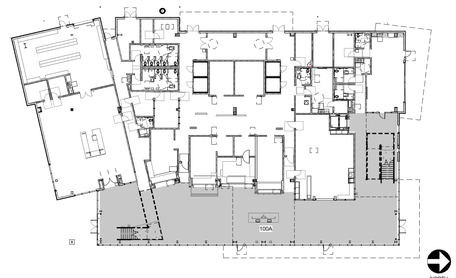
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



NORTH

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DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A910

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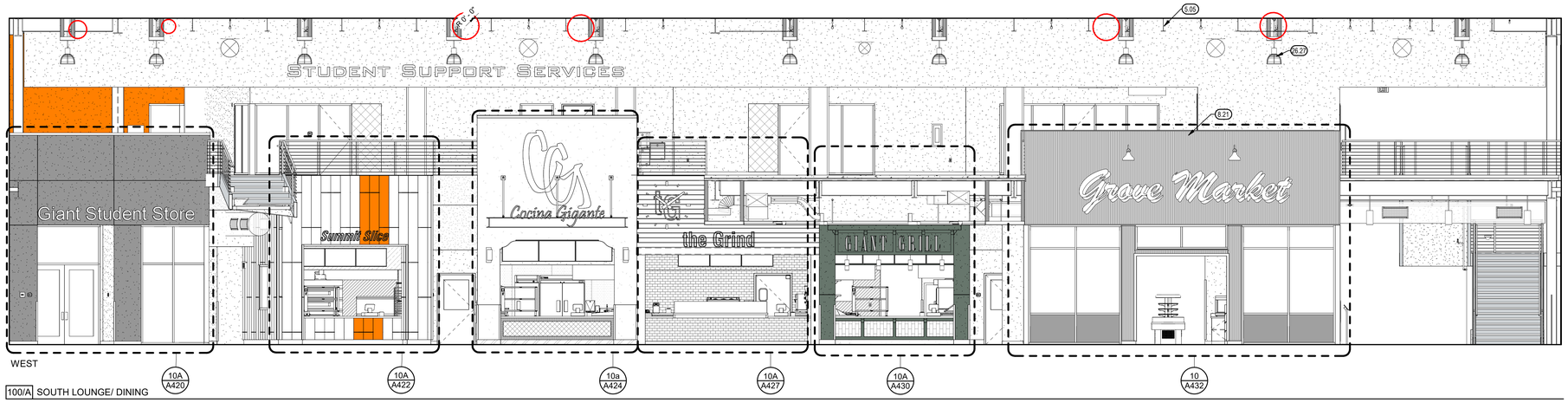


100/A SOUTH LOUNGE/ DINING

INTERIOR ELEVATIONS - FIRST FLOOR — 3/16" = 1'-0" — 2

KEYNOTES

5.05	METAL ROOF DECK (PAINT EXPOSED DECK) TYP. - SEE STRUCTURAL
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

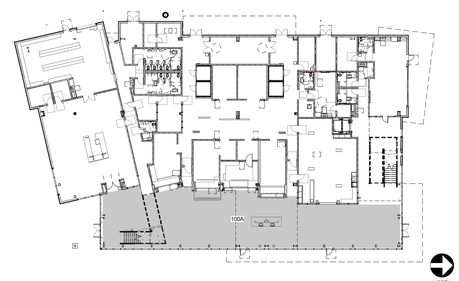
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



INTERIOR ELEVATIONS - FIRST FLOOR — 1/2" = 1'-0" — 4

PLOT DATE: 8/14/2026 11:07:53 AM

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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED
TETER
WEST

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A911

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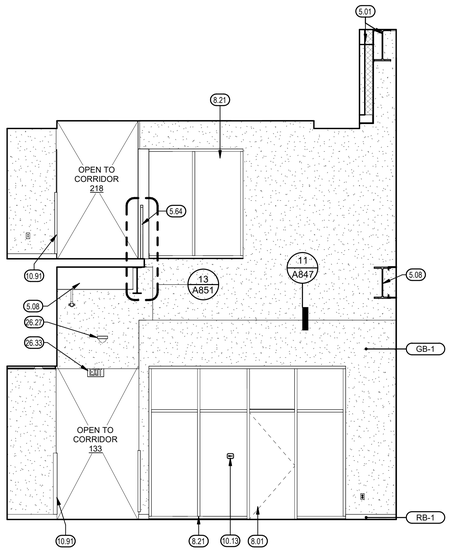

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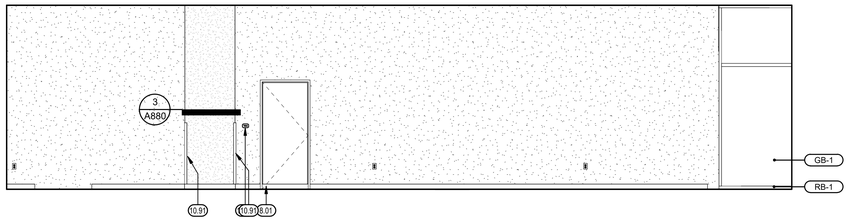

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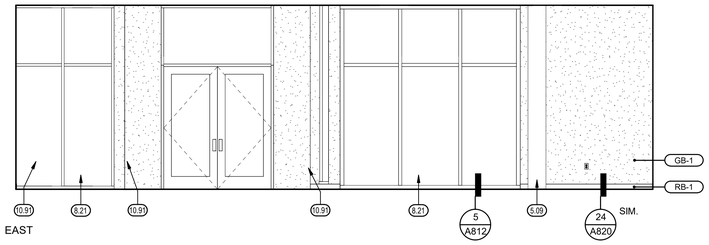

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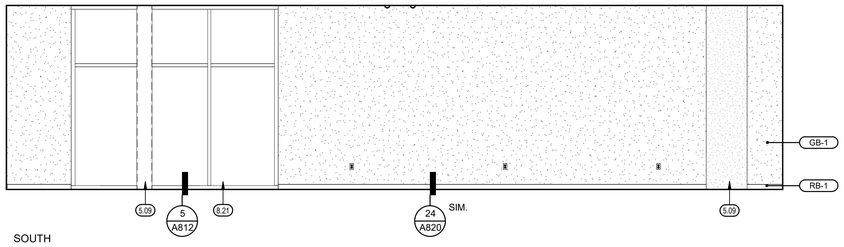

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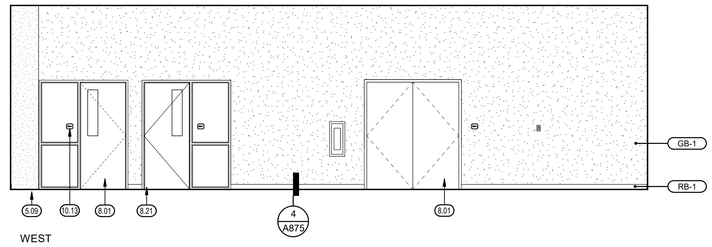
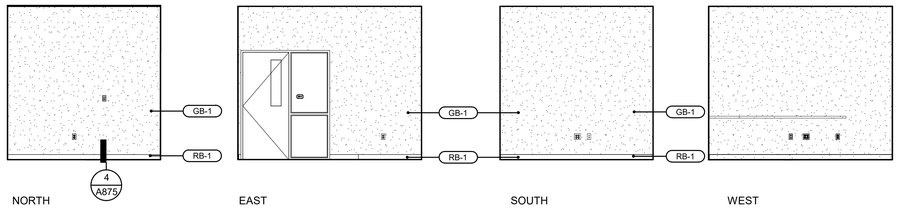


WEST

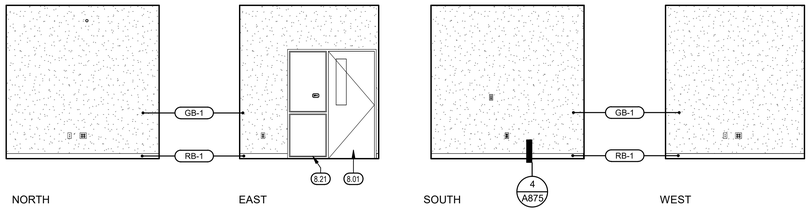
100B NORTH LOUNGE

101 BOOKSTORE



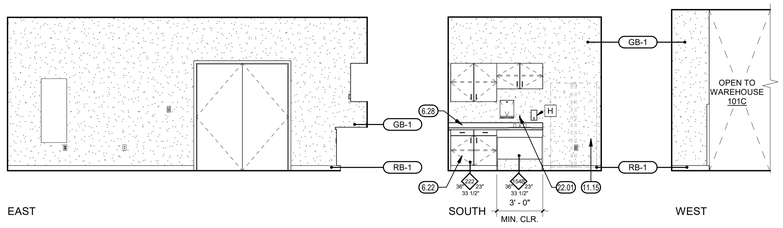
NORTH EAST SOUTH WEST

101A OFFICE



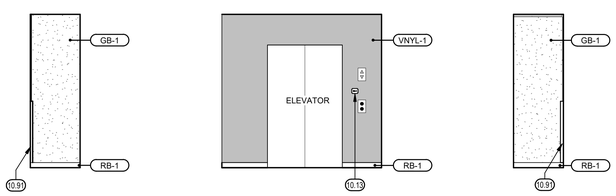
NORTH EAST SOUTH WEST

101B OFFICE



EAST SOUTH WEST

101C BREAK ROOM



EAST SOUTH WEST

100B AT ELEVATOR

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

20.00

5.01 STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.08 STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
5.09 WIDE FLANGE COLUMN, SEE STRUCTURAL
5.64 GUARDRAIL, TYP. SEE **14 / A850**
6.22 PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.28 SOLID SURFACE COUNTER TOP
8.01 DOOR AND FRAME AS SCHEDULED, SEE A700
8.21 ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.13 WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91 WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.15 REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
22.01 ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
26.27 LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.33 EXIT SIGNAGE, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 6'H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

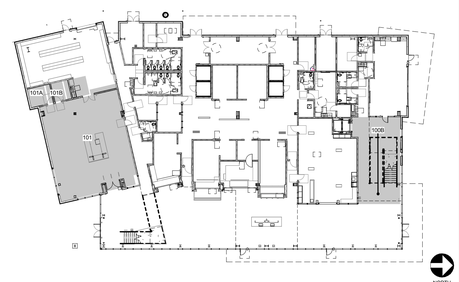
MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**
B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620
D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920
E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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ARCHITECTS ENGINEERS CONNECTED

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A912

PLOT DATE: 8/14/2026 11:08:17 AM

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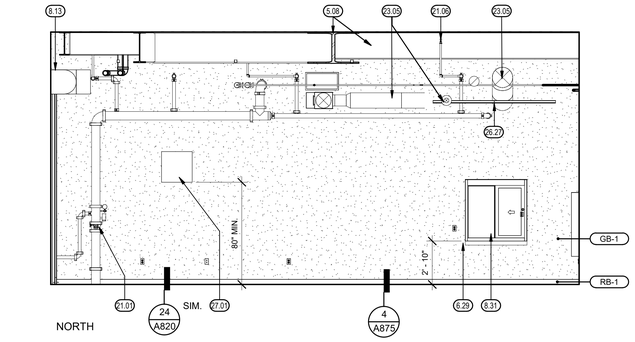

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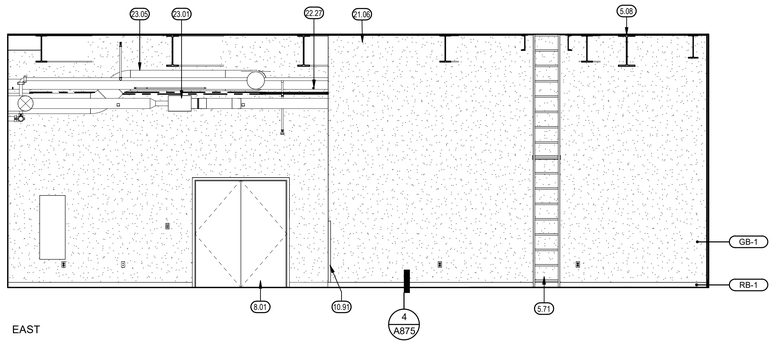

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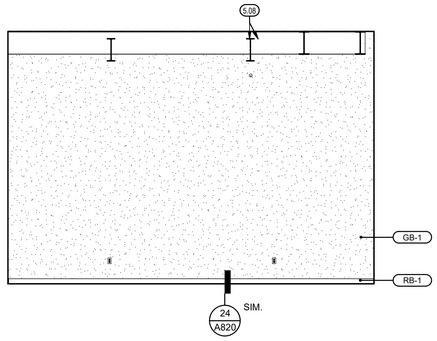

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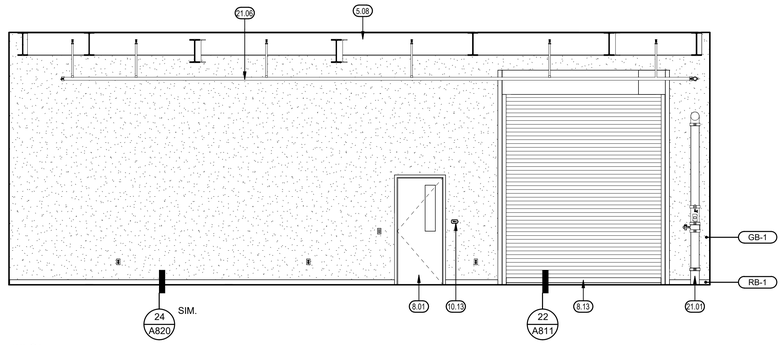
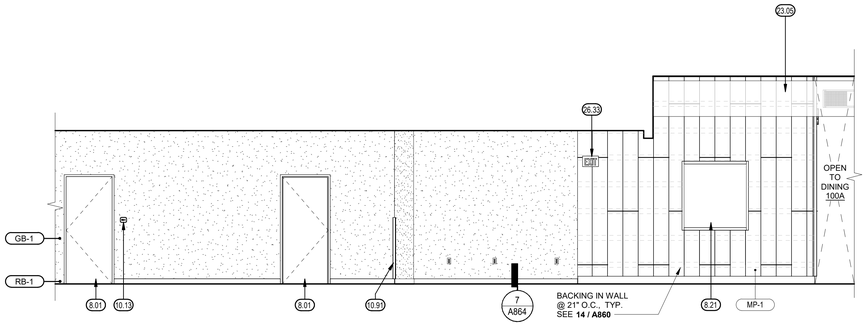


WEST

101C WAREHOUSE



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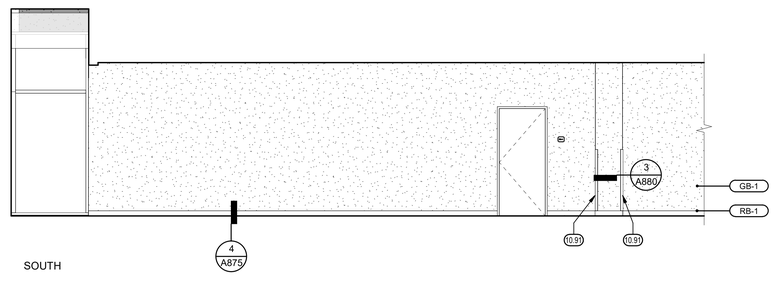

SOUTH

102 SE CORRIDOR

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.08	STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
5.71	LADDER TO ROOF, SEE **23 / A835**
6.29	PLASTIC LAMINATE BUILT-IN TRANSACTION COUNTER TOP, SEE **19 / A815**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.13	OVERHEAD COILING SERVICE DOOR AS SCHEDULED, SEE
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
8.31	WINDOW AS SCHEDULED
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
21.01	FIRE SPRINKLER RISER, SEE FIRE PROTECTION
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.27	WATER LINE, SEE PLUMBING
23.01	HVAC EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL
27.01	INTERMEDIATE DISTRIBUTION FRAME (IDF) EQUIPMENT ENCLOSURE, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

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KEY PLAN

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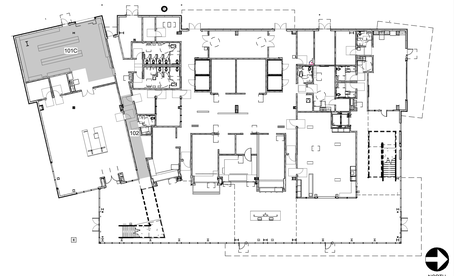

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
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DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A913

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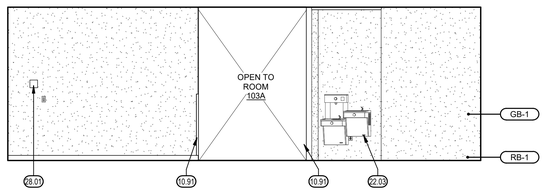

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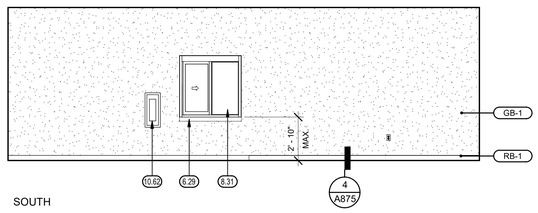

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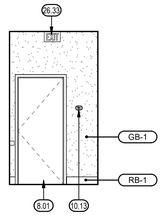
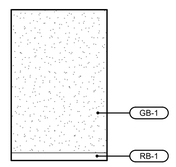


WEST

103 SW CORRIDOR



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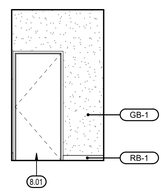

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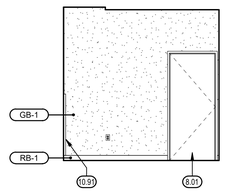
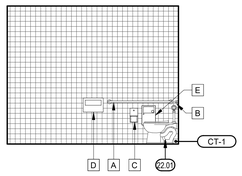


WEST

103A SW CORRIDOR



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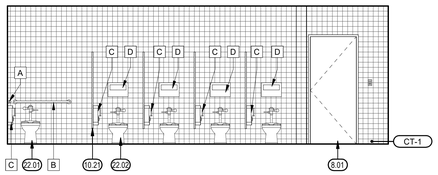

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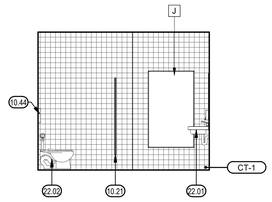

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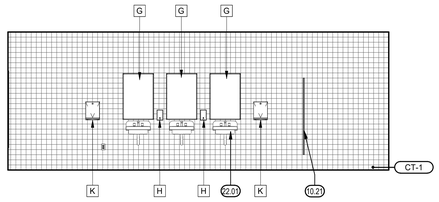

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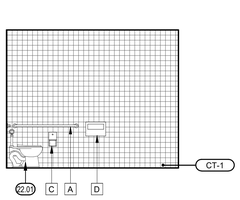
104 WOMENS RESTROOM



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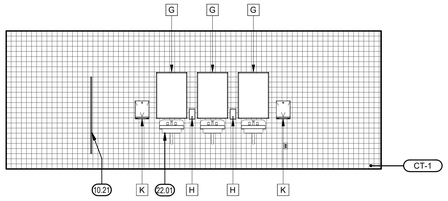

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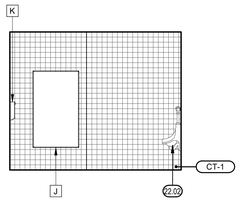

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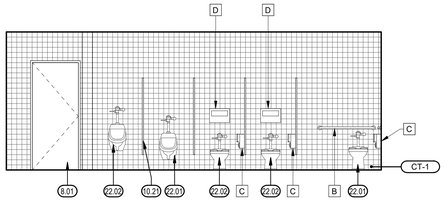

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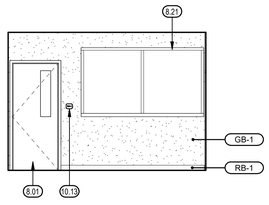
105 MENS RESTROOM



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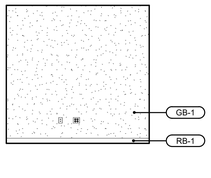

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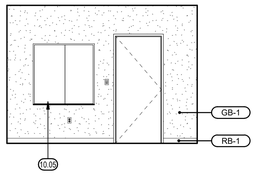

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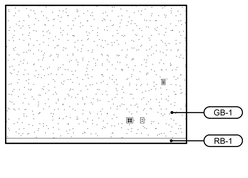
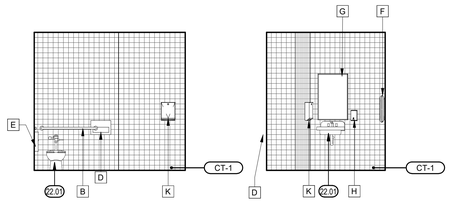


WEST

106 OFFICE



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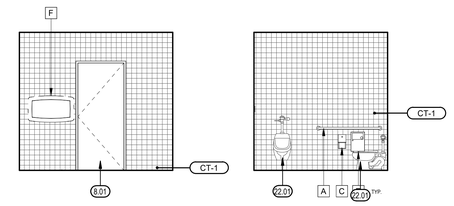


SOUTH WEST

107 UNISEX

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

(00.00) KEYNOTES

6.29	PLASTIC LAMINATE BUILT-IN TRANSACTION COUNTER TOP, SEE **19 / A815**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
8.31	WINDOW AS SCHEDULED
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.21	TOILET COMPARTMENT/URINAL SCREEN, SEE **4 / A800**
10.44	SEAT COVER DISPENSER
10.62	FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER **12 / A860**
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
22.03	HIGH-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER, SEE PLUMBING, AND
26.33	EXIT SIGNAGE, SEE ELECTRICAL
28.01	FIRE ALARM CONTROL PANEL, O.F.C.I, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 61H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

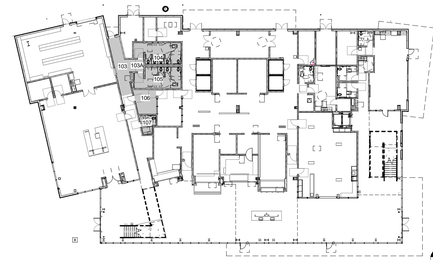
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

WEST

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A914

PLOT DATE: 8/14/2026 11:08:52 AM

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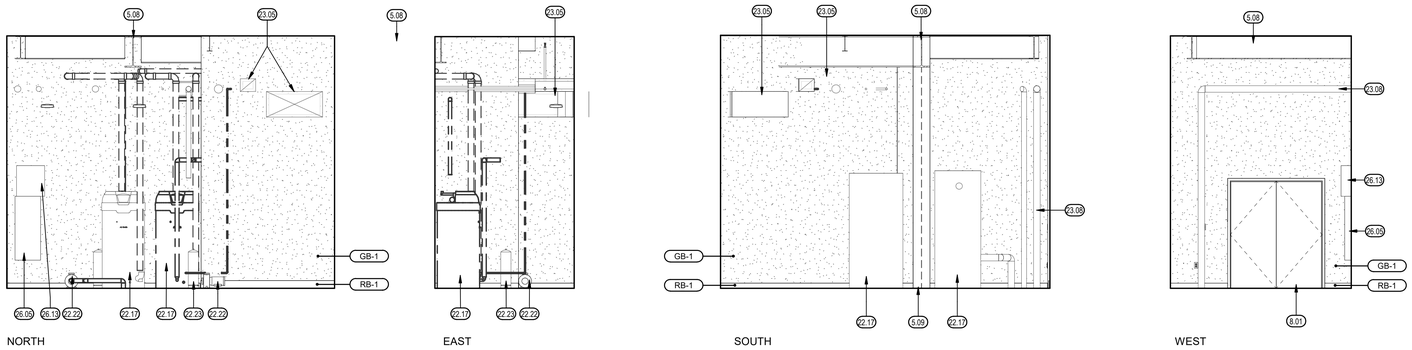
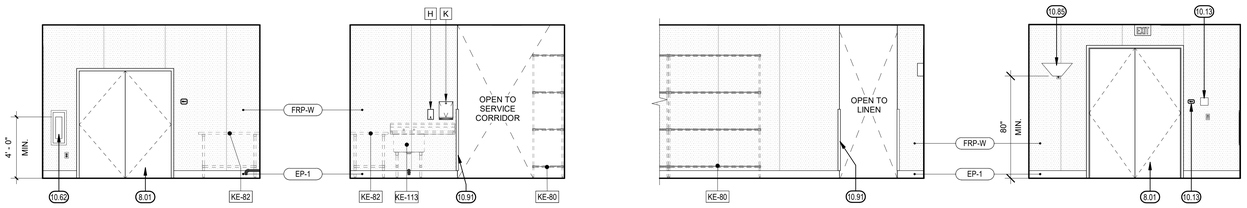
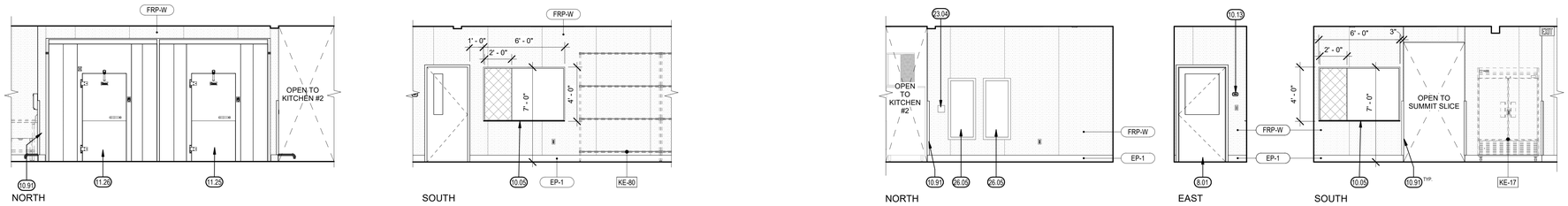


108 MECHANICAL ROOM

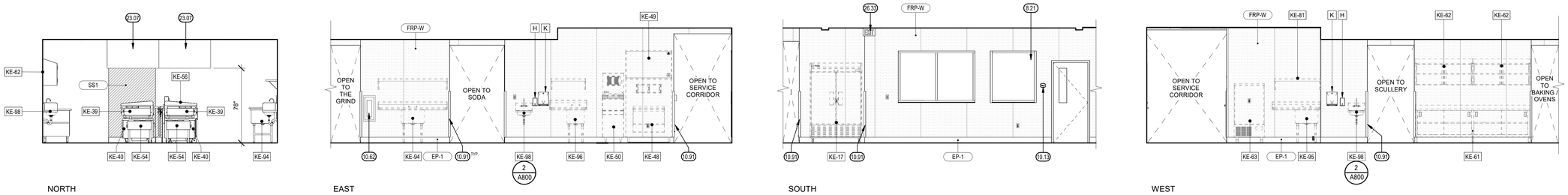


109 DELIVERY RECEIPT #2



110 SERVICE CORRIDOR

111A SERVICE CORRIDOR



111 KITCHEN #2

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.08	STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
5.09	WIDE FLANGE COLUMN, SEE STRUCTURAL
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.62	FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER
10.85	FLYING INSECT TRAP, +80" A.F.F. MIN.
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.25	WALK-IN COOLER
11.26	WALK-IN FREEZER
22.17	COMMERCIAL WATER HEATER, SEE PLUMBING
22.22	CIRCULATING PUMP, SEE PLUMBING
22.23	THERMAL EXPANSION TANK, SEE PLUMBING
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
23.08	HEATING HOT WATER SUPPLY AND RETURN, SEE MECHANICAL
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.13	EMS PANEL, SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE MTD. / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 6'H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

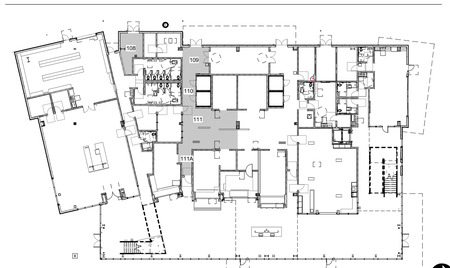
E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

LEGEND

KE-# KITCHEN EQUIPMENT TAG, SEE SHEETS **A511** THRU **A515**

KEY PLAN

SCALE: N.T.S.



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ARCHITECTS ENGINEERS CONNECTED

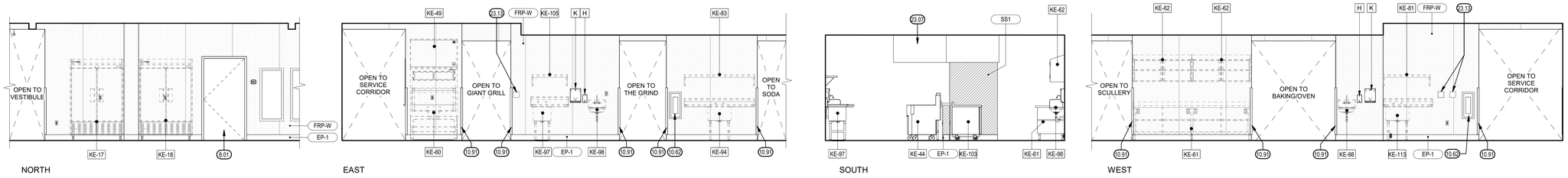
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

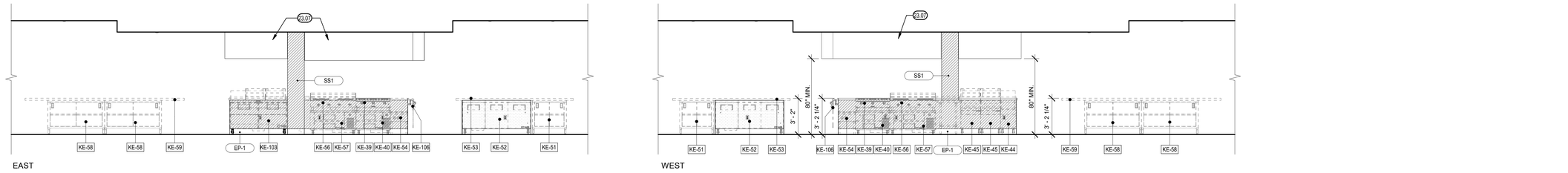
PROJECT NO.
22-12499

DRAWING
A915

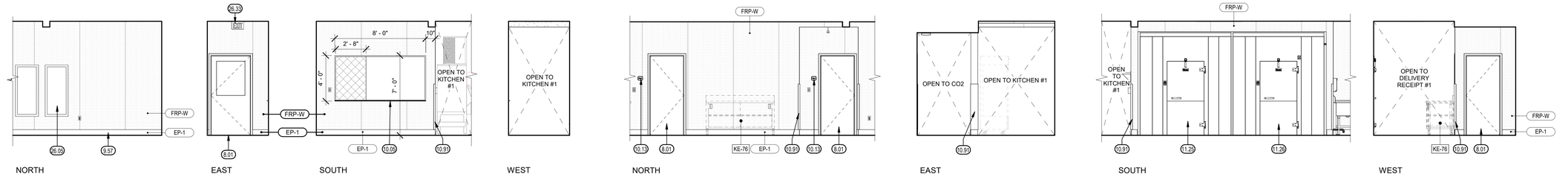
\\tetr-file1\Users\ryan.odom\Documents\12499-A-COS Student Union_ryan.odom.rvt



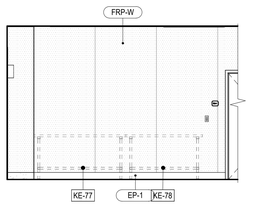
112 KITCHEN #1

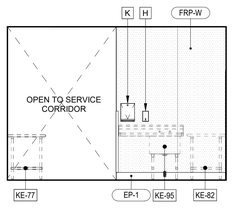


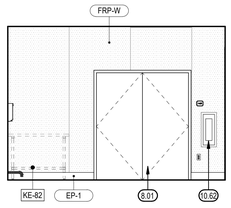
111 & 112 KITCHEN #1 & KITCHEN #2 ISLANDS



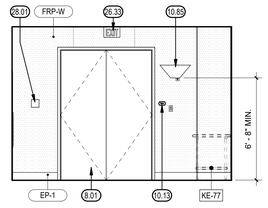
112A SERVICE CORRIDOR

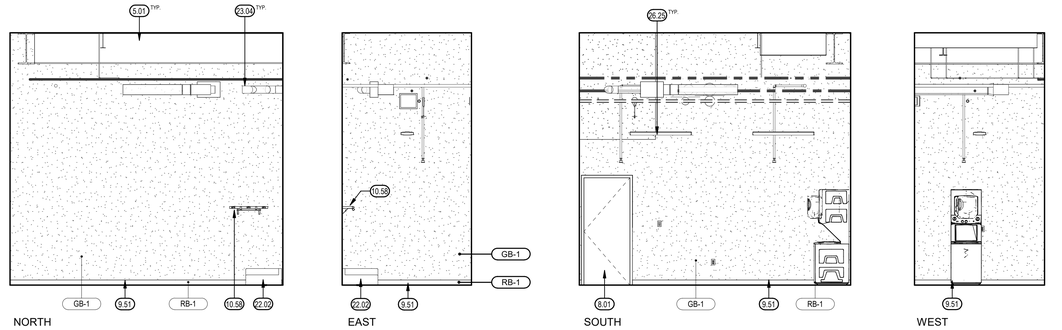






113 SERVICE CORRIDOR/VESTIBULE





114 DELIVERY RECEIPT #1

115 JANITOR

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
9.51	TOPSET BASE AS SCHEDULED
9.57	EPOXY COVE BASE
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.58	MOP HOLDER AND SHELF, SEE **8 / A860**
10.62	FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER
10.85	FLYING INSECT TRAP, +80" A.F.F. MIN.
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.25	WALK-IN COOLER
11.26	WALK-IN FREEZER
22.02	PLUMBING FIXTURE, SEE PLUMBING
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
23.13	KITCHEN HOOD FIRE SUPPRESSION SYSTEM MANUAL PULL STATION, SEE MECHANICAL
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.25	SUSPENDED STRIP LIGHT FIXTURE, SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL
28.01	FIRE ALARM CONTROL PANEL, O.F.C.I, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 6'H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

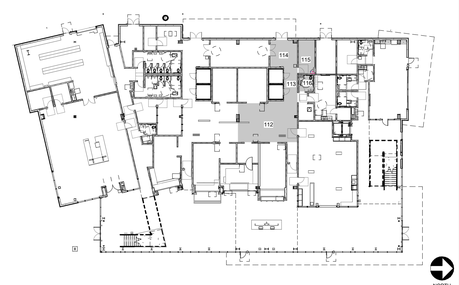
E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

LEGEND

KE-# KITCHEN EQUIPMENT TAG, SEE SHEETS **A511** THRU **A515**

KEY PLAN

SCALE: N.T.S.



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

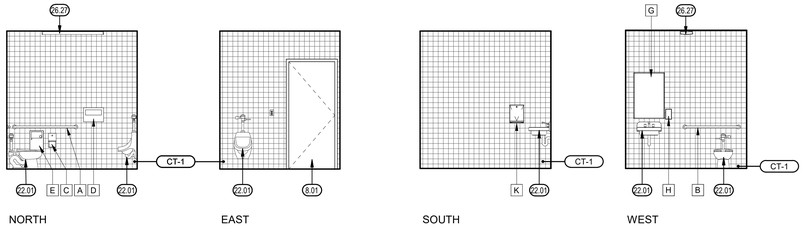
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

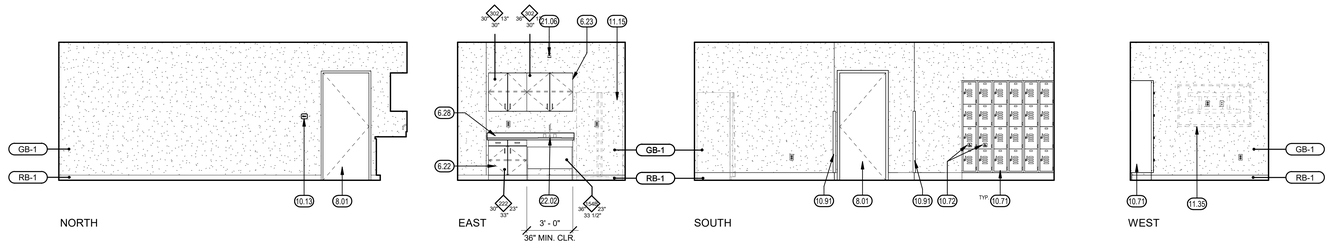
PROJECT NO.
22-12499

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

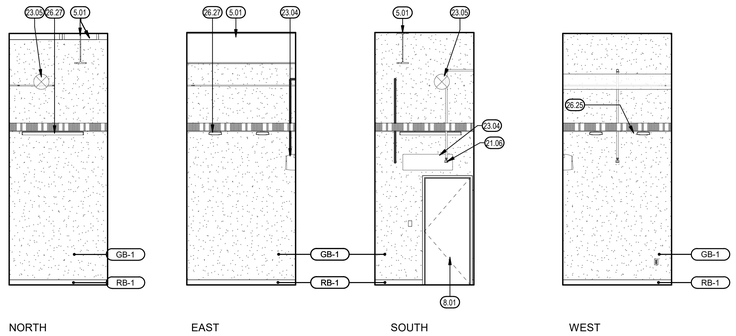
DRAWING
A916

\\tetr-file1\Users\ryan.odom\Documents\12499-A-COS Student Union_ryan.odomNLB27.rvt

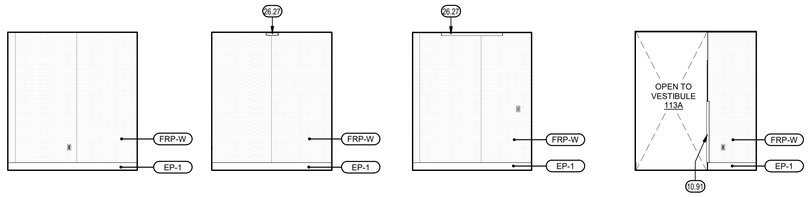




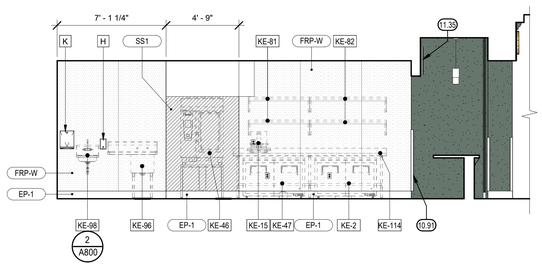
116 UNISEX STAFF

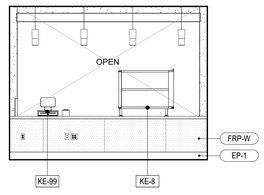


117/B BREAK ROOM/LOCKERS

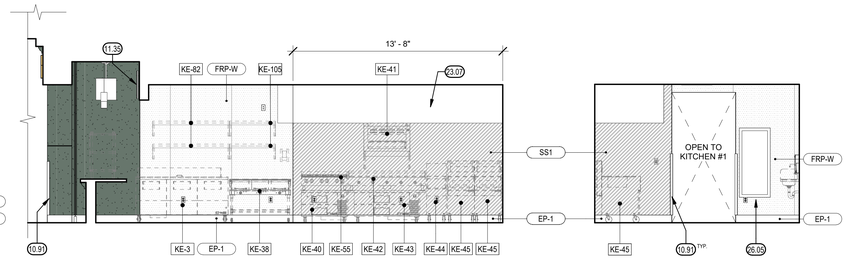


117A ELEVATOR MACHINE ROOM

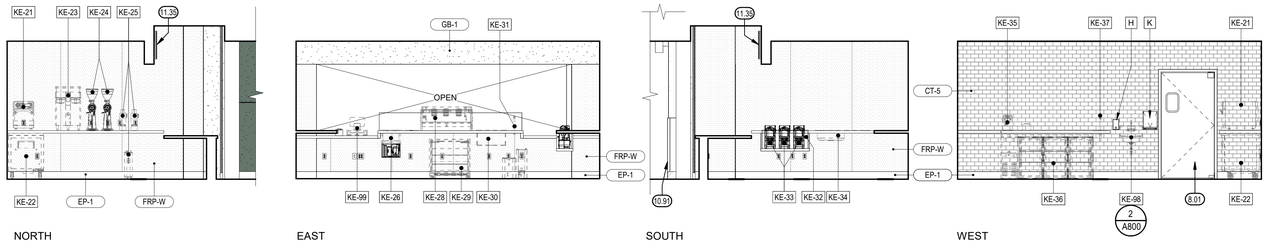




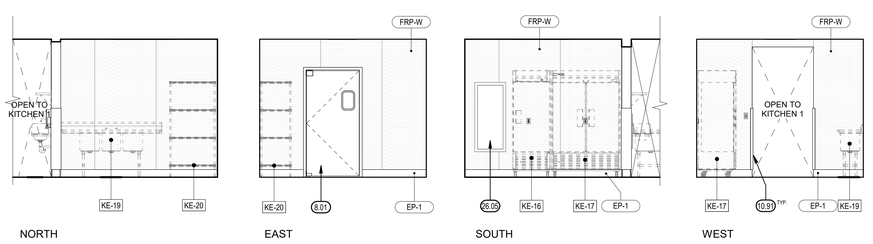
118 CO2 ROOM



119 GIANT GRILL



120 THE GRIND



120A THE GRIND

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.28	SOLID SURFACE COUNTER TOP
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.71	LOCKERS (PERSONAL STORAGE)
10.72	ACCESSIBLE LOCKER
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.15	REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.25	SUSPENDED STRIP LIGHT FIXTURE, SEE ELECTRICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
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GENERAL NOTES

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C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

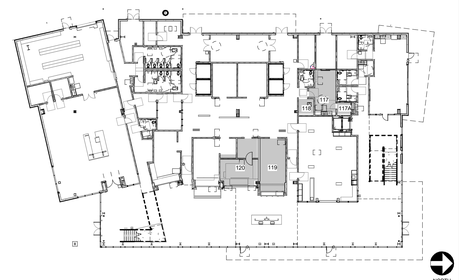
E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

LEGEND

KE-# KITCHEN EQUIPMENT TAG, SEE SHEETS **A511** THRU **A515**

KEY PLAN

SCALE: N.T.S.



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA, CA. 93277

PROJECT NO.
22-12499

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

DRAWING
A917

PLOT DATE: 8/17/2026 10:13:10 AM

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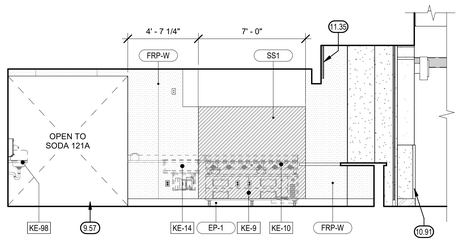

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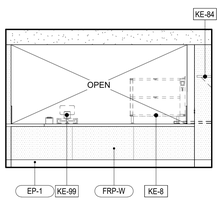

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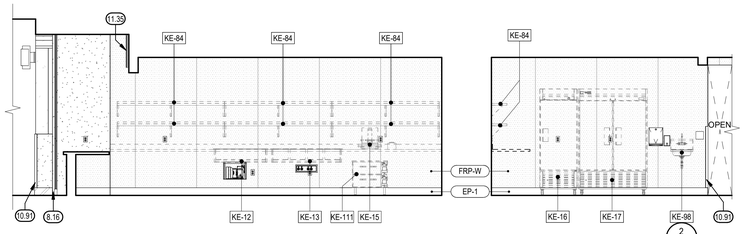

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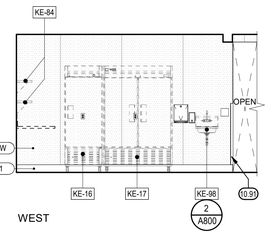
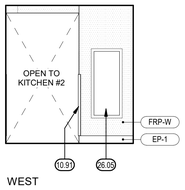


WEST

121 COCINA GIGANTE

NORTH

EAST



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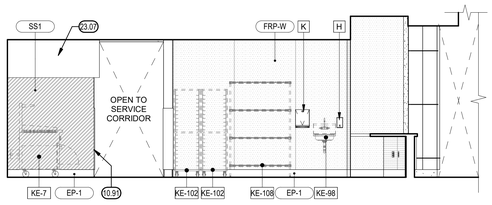
121A SODA



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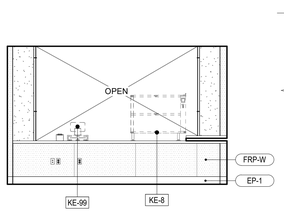

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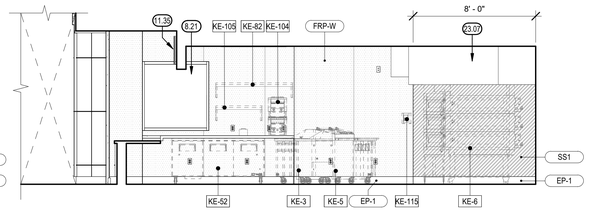

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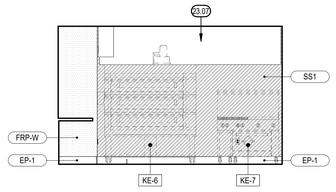

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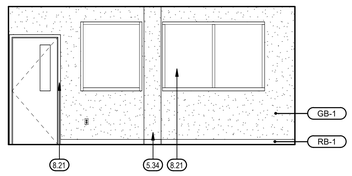
122 SUMMIT SLICE



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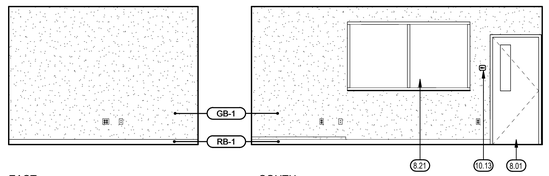

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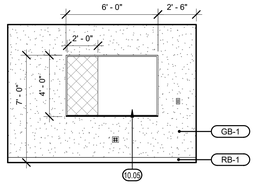

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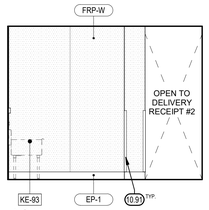

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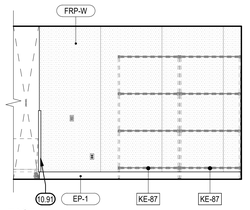

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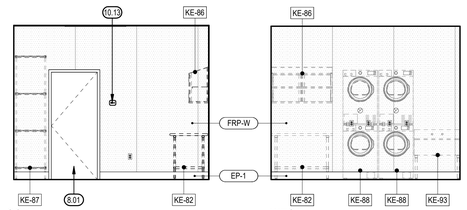
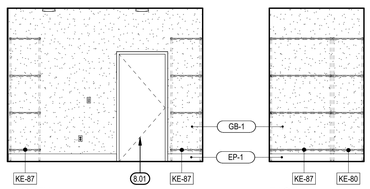


SOUTH

WEST

123 OFFICE



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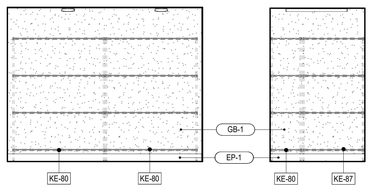

SOUTH

WEST

124 LINEN

124A KITCHEN JANITOR STORAGE

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.34	COLUMN FURRING, SEE
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.16	ROLL-UP SECURITY GRILLE, SEE DOOR SCHEDULE
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.57	EPOXY COVE BASE
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.35	MONITOR BRACKET O.F.C.I. WALL MOUNTED, SEE
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
26.05	ELECTRICAL PANEL, SEE ELECTRICAL

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PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

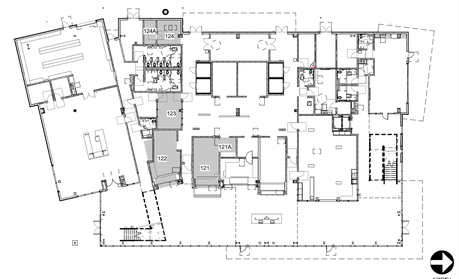
E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

LEGEND

KE-# KITCHEN EQUIPMENT TAG, SEE SHEETS **A511** THRU **A515**

KEY PLAN

SCALE: N.T.S.



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

WEST

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A918

PLOT DATE: 8/17/2026 10:15:52 AM

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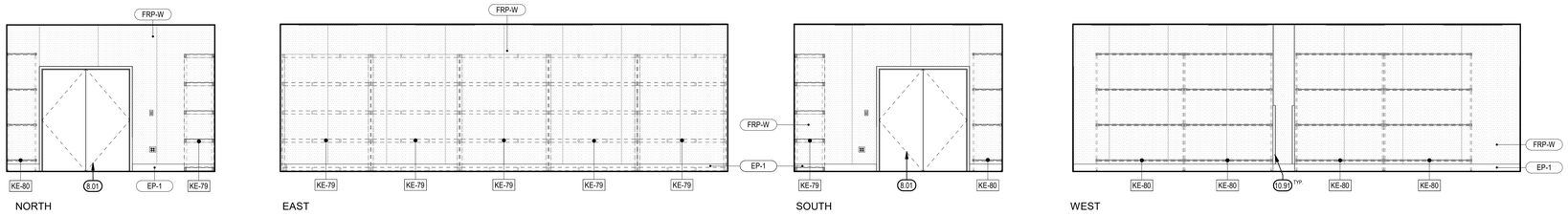

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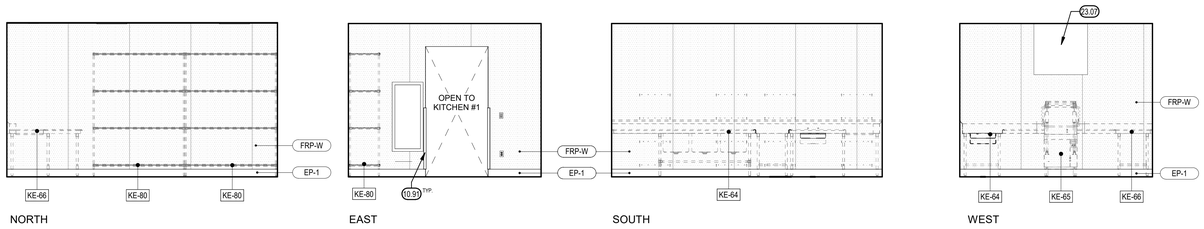
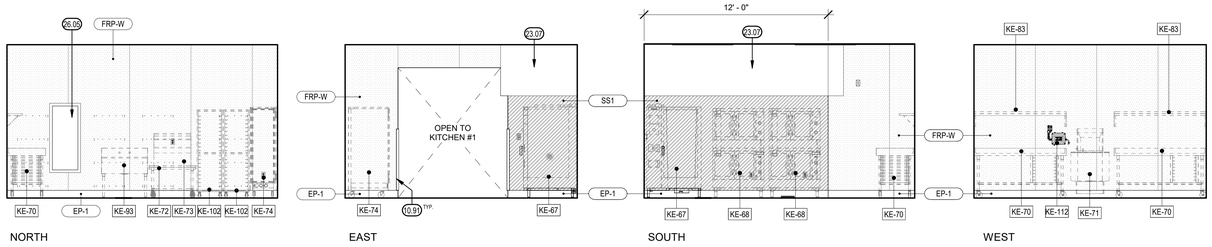


128 SCULLERY



129 BAKING/OVENS

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
23.07	KITCHEN HOOD, SEE MECHANICAL SHEETS M803 - M807
26.05	ELECTRICAL PANEL, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 6'H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

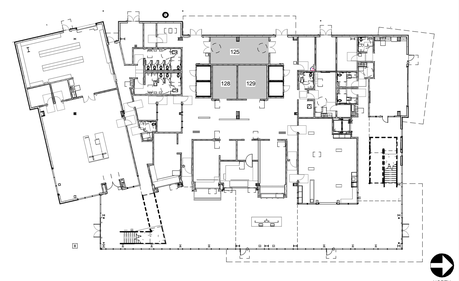
E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

LEGEND

KE-# KITCHEN EQUIPMENT TAG, SEE SHEETS **A511** THRU **A515**

KEY PLAN

SCALE: N.T.S.



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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A919

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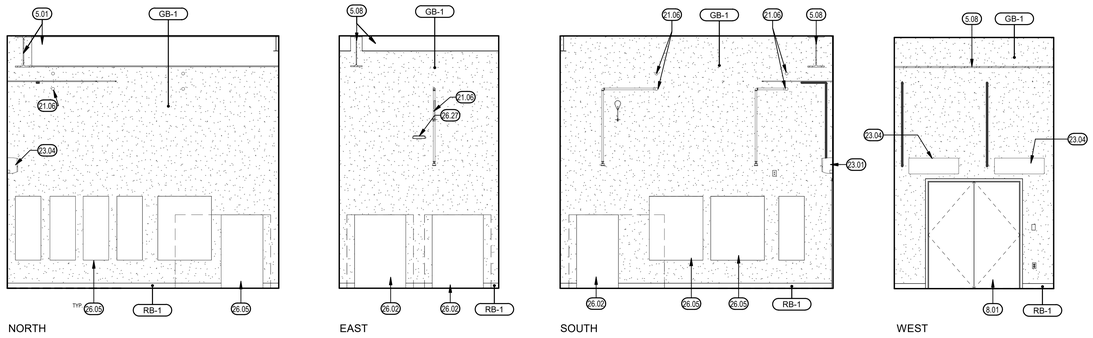
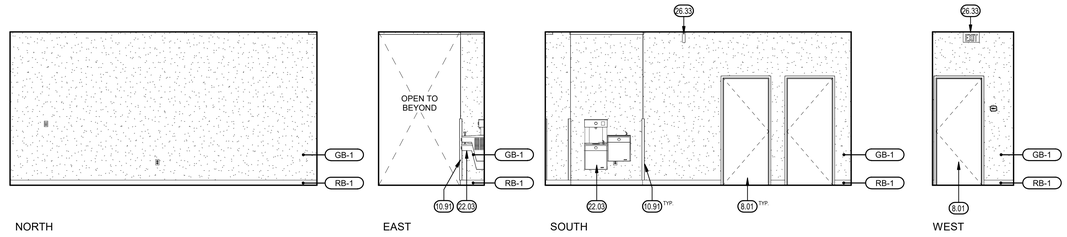


132 ELECTRICAL ROOM



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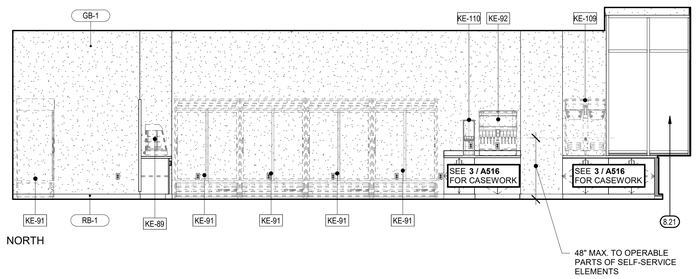

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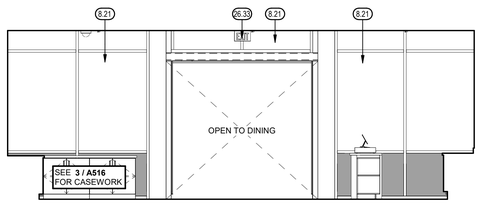

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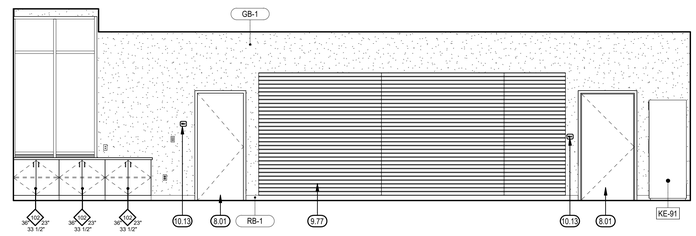

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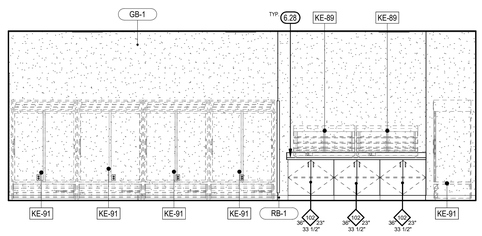
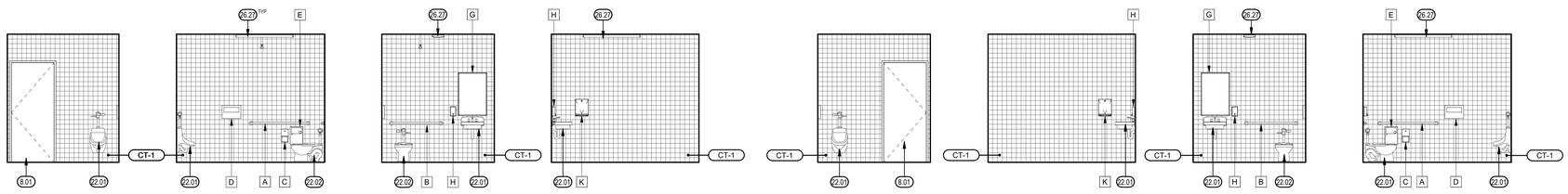


WEST

134 GROVE MARKET



135 UNISEX

136 UNISEX

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.08	STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
6.28	SOLID SURFACE COUNTER TOP
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
9.77	SLAT WALL PANELS, SEE **30 / A516**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
22.03	HIGH-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER, SEE PLUMBING, AND **15 / A800**
23.01	HVAC EQUIPMENT, SEE MECHANICAL
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
26.02	TRANSFORMER, SEE ELECTRICAL
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE MTD. PARTITION
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 6'H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

LEGEND

KE-# KITCHEN EQUIPMENT TAG, SEE SHEETS **A511** THRU **A515**

KEY PLAN

SCALE: N.T.S.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A920

PLOT DATE: 8/17/2026 10:19:52 AM

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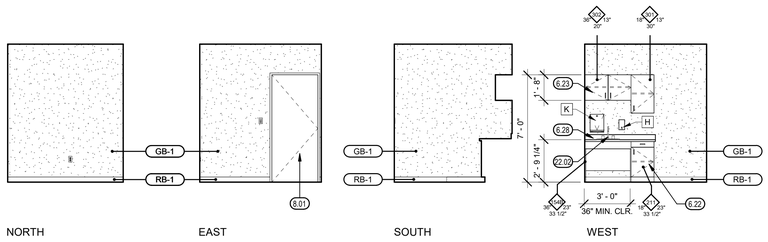

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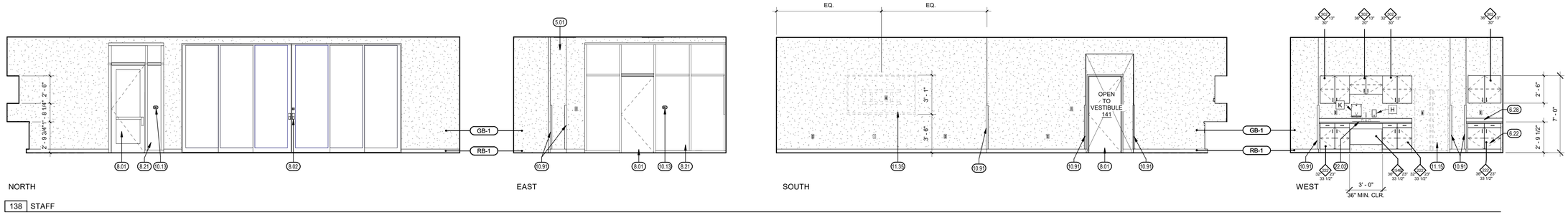
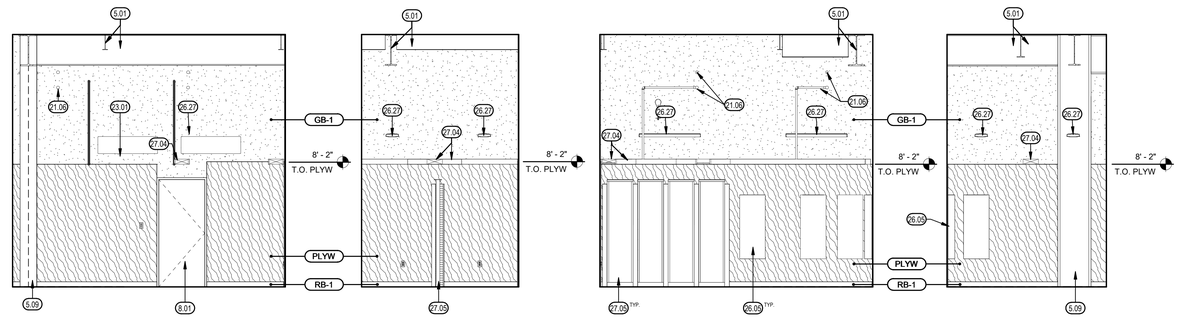
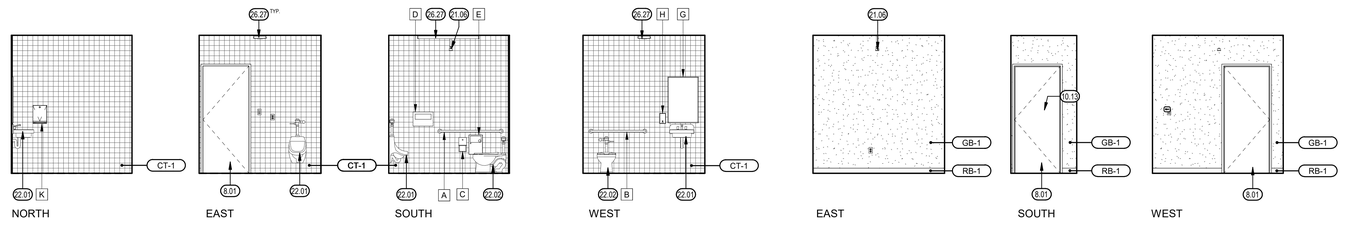


138 STAFF



139 COMMUNICATION



140 UNISEX STAFF

141 VESTIBULE

INTERIOR ELEVATIONS - FIRST FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.09	WIDE FLANGE COLUMN, SEE STRUCTURAL
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.28	SOLID SURFACE COUNTER TOP
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.02	SLIDING DOOR, SEE SCHEDULE
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.15	REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.35	MONITOR BRACKET O.F.C.I. WALL MOUNTED, SEE **23 / A860**
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
23.01	HVAC EQUIPMENT, SEE MECHANICAL
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
27.04	CABLE TRAY, SEE ELECTRICAL
27.05	DATA RACK, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.
X	PERSONAL STORAGE LOCKERS 4 TIER, 6'H X 12" W X 18" D	SUPERIOR	CLASSIC KD	

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

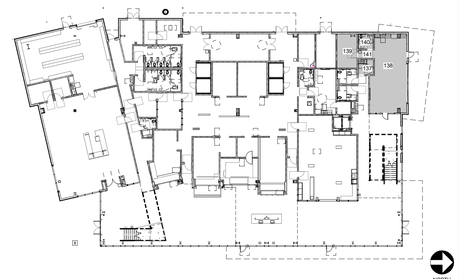
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
A921

PLOT DATE: 8/14/2026 11:12:28 AM

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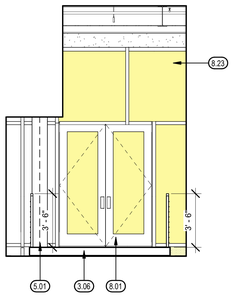
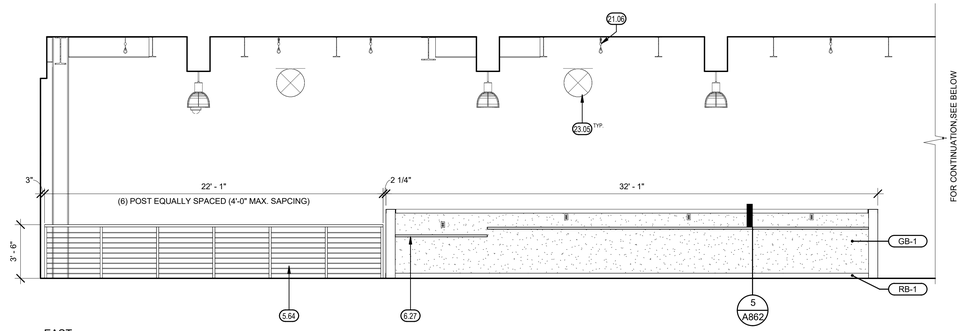
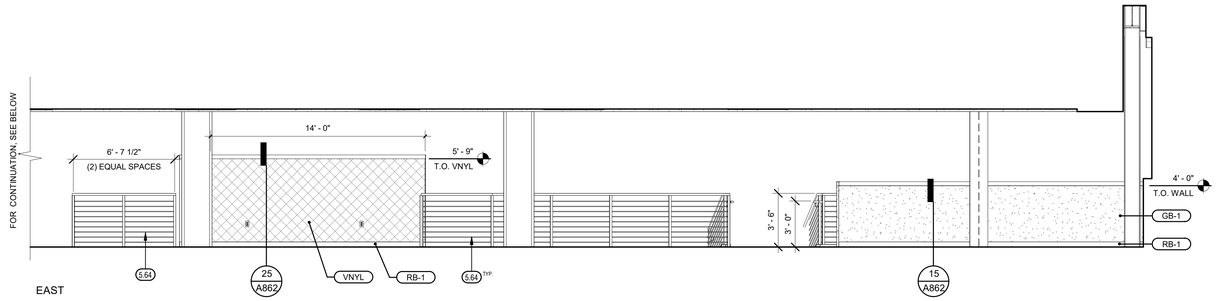


NORTH



EAST

200 SE CORRIDOR
200A ASG CORRIDOR AND 200B NE CORRIDOR



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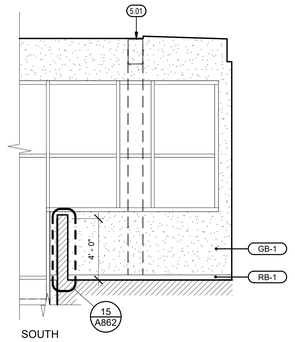
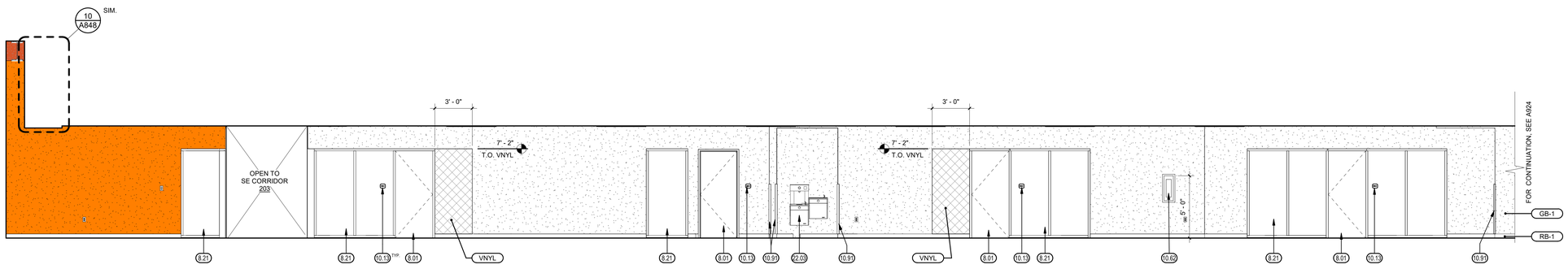


SOUTH

200 SE CORRIDOR
200A ASG CORRIDOR AND 200B NE CORRIDOR



WEST

200 SE CORRIDOR
200A ASG CORRIDOR AND 200B NE CORRIDOR

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

3.06	CONCRETE SLAB ON METAL DECK, TYP. - SEE STRUCTURAL
5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.64	GUARDRAIL, TYP. SEE **14 / A850**
6.27	COUNTER TOP SUPPORT BRACKET, SEE **5 / A862**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
8.23	ALUMINUM CURTAIN WALL, TYP. - SEE WINDOW SCHEDULE
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.62	FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER **12 / A860**
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.03	HIGH-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER, SEE PLUMBING, AND **15 / A800**
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE MTD. / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

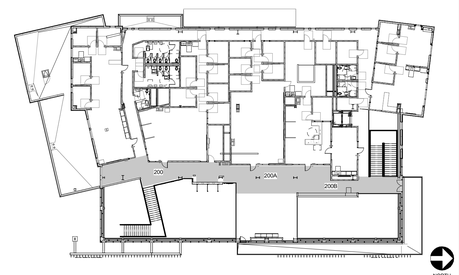
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A922

PLOT DATE: 8/14/2026 11:12:43 AM

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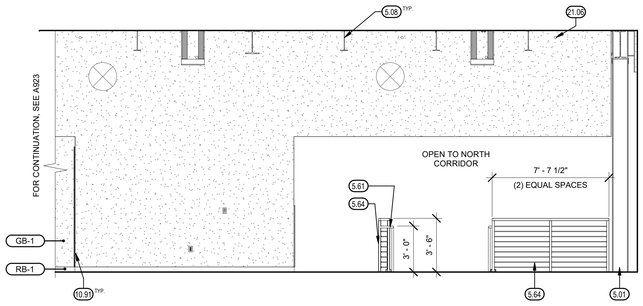
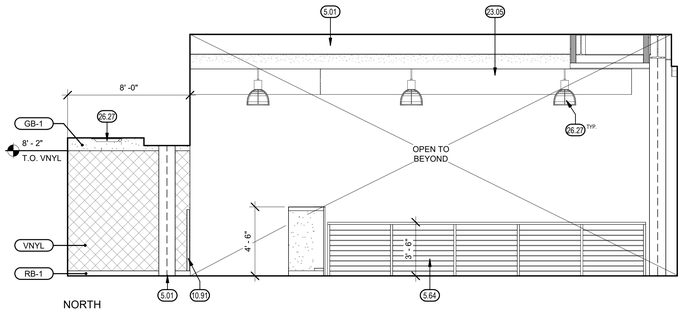


WEST

200B NE CORRIDOR



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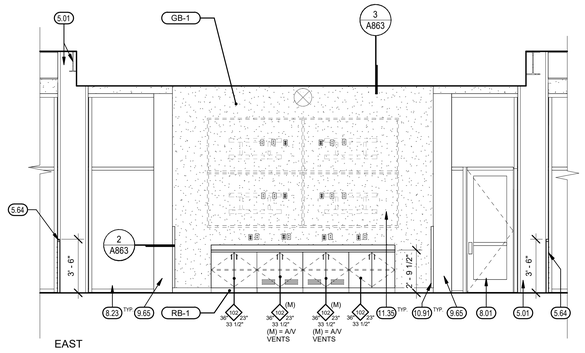

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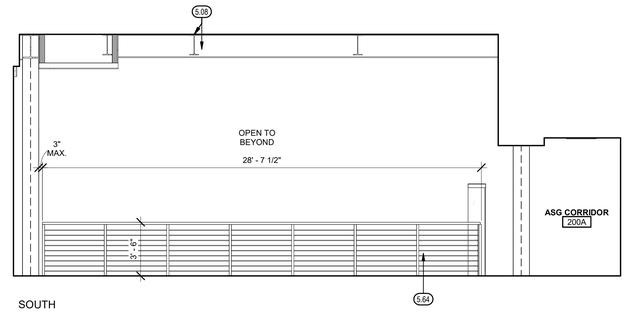
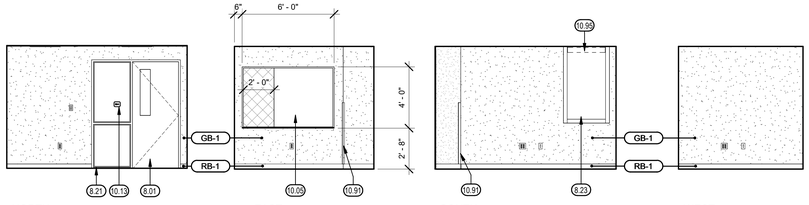
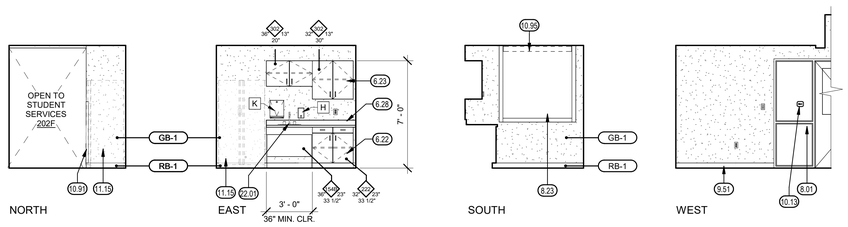


SOUTH

201 ASG



NORTH EAST SOUTH WEST

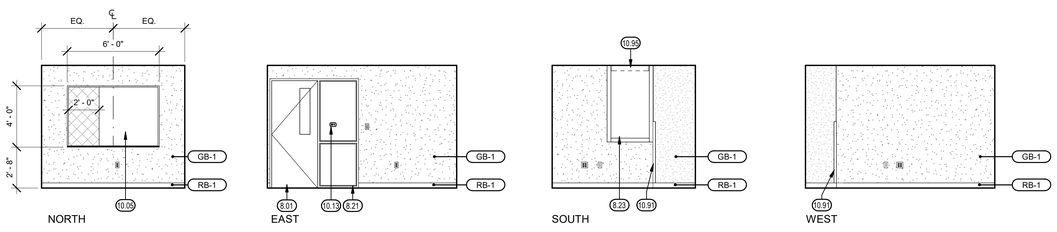


NORTH EAST SOUTH WEST

202A OFFICE

(202B OFFICE SIMILAR REFER TO PLAN FOR ORIENTATION)

202C KITCHENETTE



NORTH EAST SOUTH WEST

202D OFFICE

(202E OFFICE SIMILAR REFER TO PLAN FOR ORIENTATION)

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

10.00

5.01 STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.08 STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
5.61 HANDRAIL, TYP. SEE **12 / A850**
5.64 GUARDRAIL, TYP. SEE **23 / A850**
6.22 PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23 PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.28 SOLID SURFACE COUNTER TOP
8.01 DOOR AND FRAME AS SCHEDULED, SEE A700
8.21 ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
8.23 ALUMINUM CURTAIN WALL, TYP., - SEE WINDOW SCHEDULE
9.51 TOPSET BASE AS SCHEDULED
9.65 ALUMINUM CLOSURE METAL
10.05 MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13 WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91 WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
10.95 MANUAL CONTROL WINDOW SHADE, SEE **13 / A810**
11.15 REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.35 MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
21.06 FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.01 ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
23.05 MECHANICAL DUCT, TYP. - SEE MECHANICAL
26.27 LIGHT FIXTURE, TYP. - SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

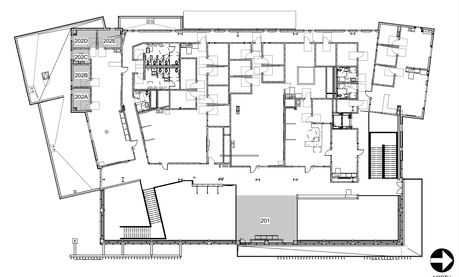
MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**
B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620
D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920
E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A923

PLOT DATE: 8/14/2026 11:13:09 AM

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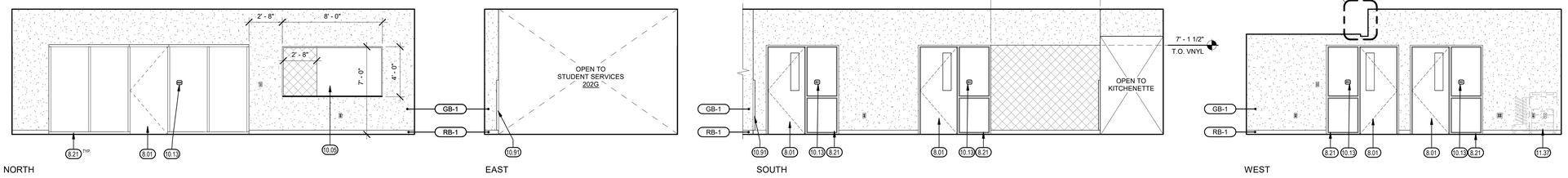
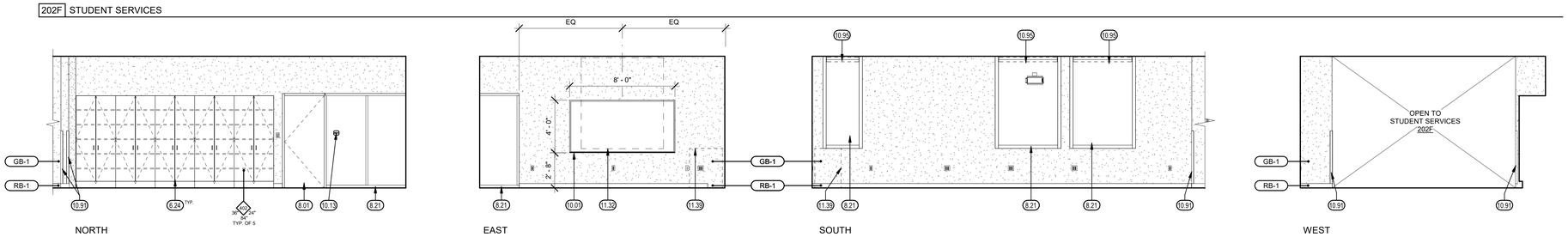


202F STUDENT SERVICES



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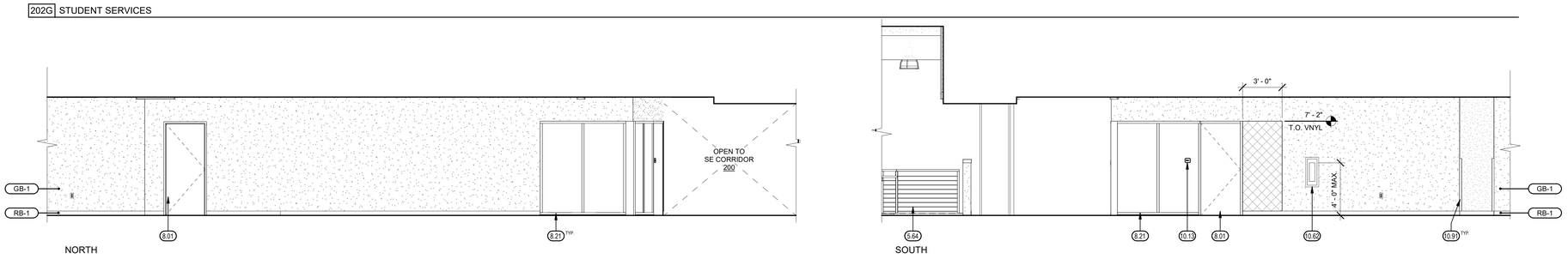
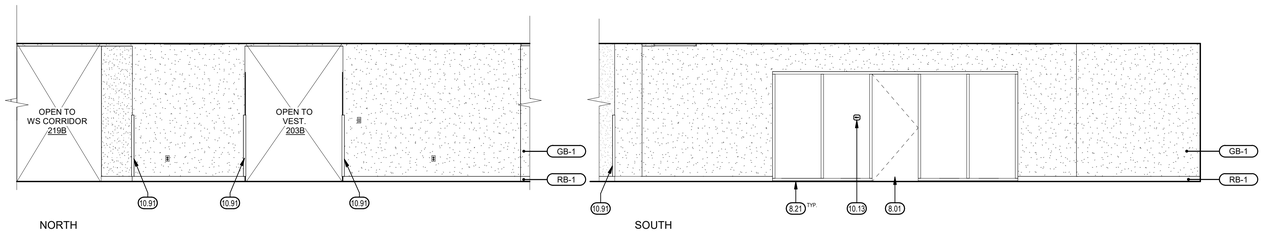


203 SE CORRIDOR



203A SW CORRIDOR

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.64	GUARDRAIL, TYP. SEE **14 / A850**
6.24	PLASTIC LAMINATE TALL STORAGE CABINET, SEE INTERIOR ELEVATIONS **25 / A860**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.01	MARKER BOARD, SEE **13 / A860**
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.62	FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER **12 / A860**
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
10.95	MANUAL CONTROL WINDOW SHADE, SEE **13 / A810**
11.32	PROJECTION SCREEN, CEILING MOUNTED, RECESSED
11.37	PRINTER, O.F.C.I.
11.39	SMART CART, O.F.C.I.

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
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EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

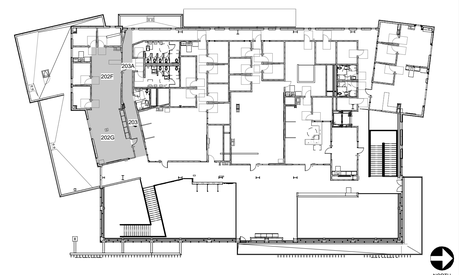
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A924

PLOT DATE: 8/14/2026 11:13:30 AM

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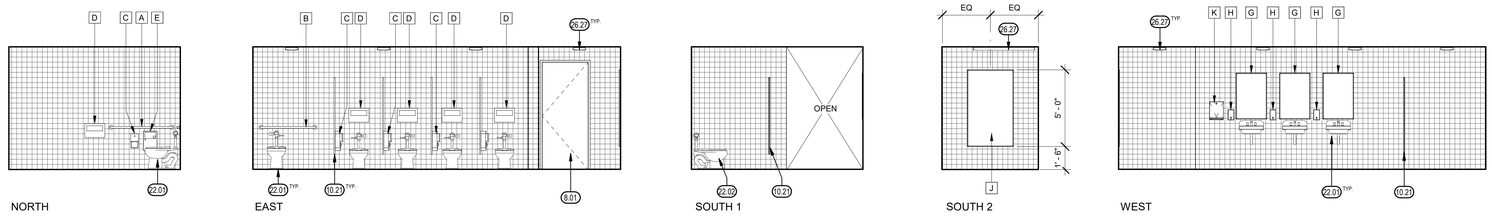
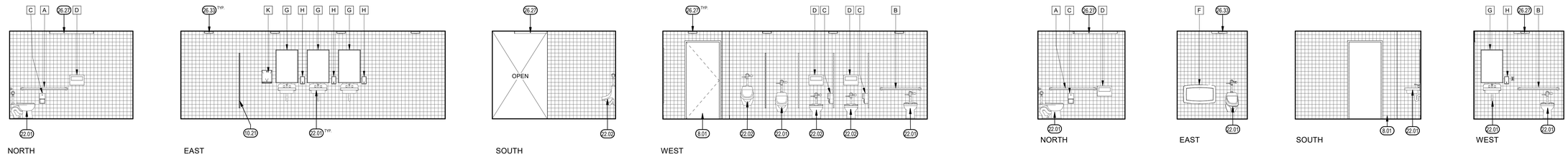
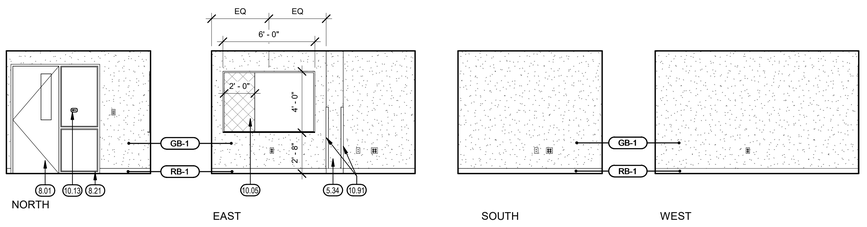


204 WOMEN



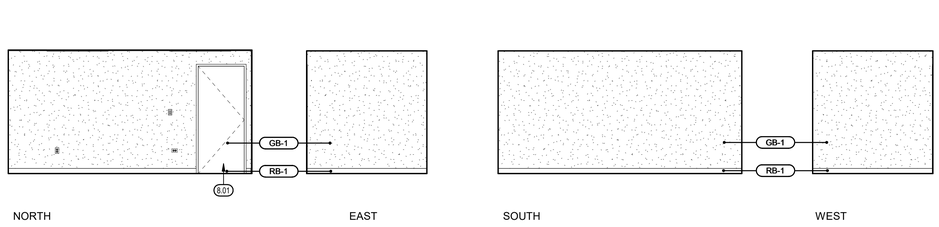
205 MEN

206 UNISEX

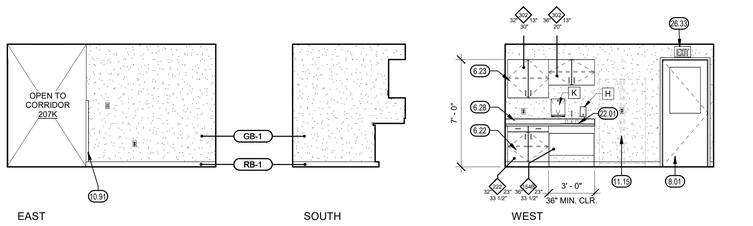


207A OFFICE

(207D OFFICE - 207G OFFICE SIMILAR REFER TO PLAN FOR ORIENTATION)



207B STORAGE



207C KITCHENETTE

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.34	COLUMN FURRING, SEE **25 / A882**
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.28	SOLID SURFACE COUNTER TOP
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.21	TOILET COMPARTMENT/URINAL SCREEN, SEE **4 / A800**
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.15	REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

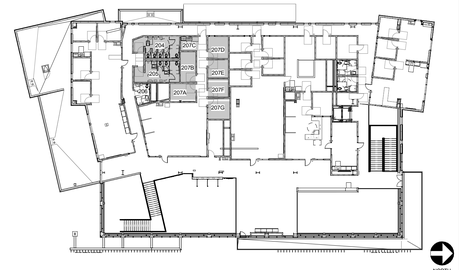
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A925

PLOT DATE: 8/14/2026 11:14:03 AM

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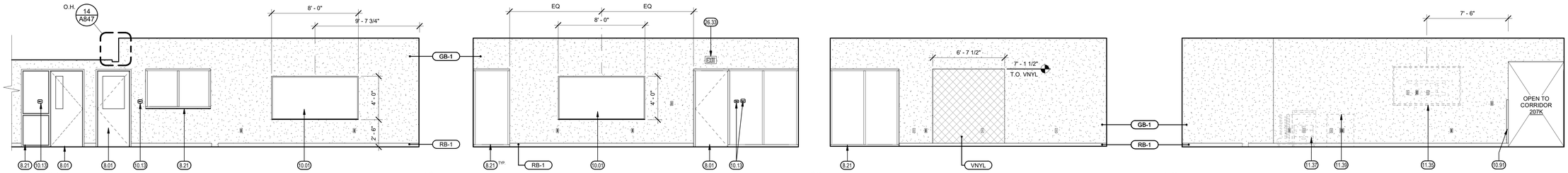
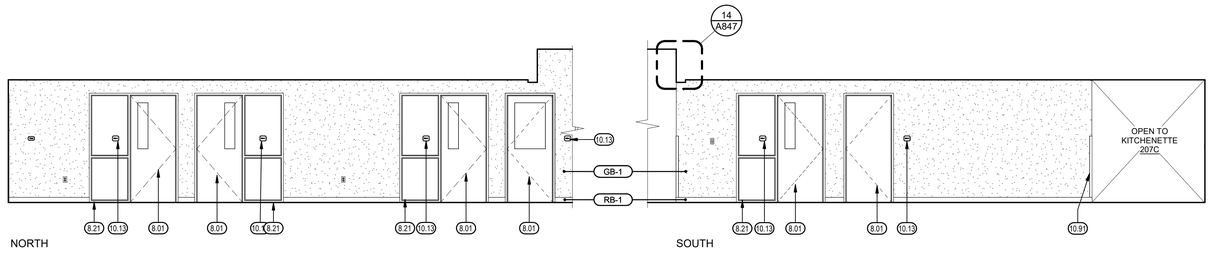
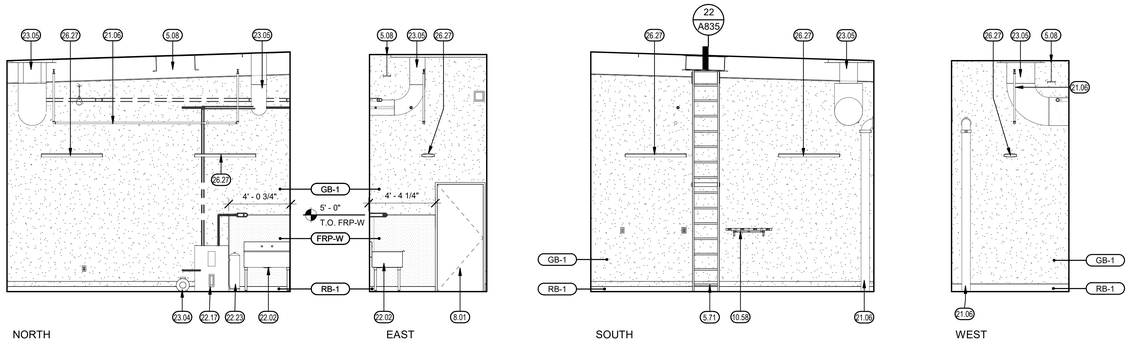


207H RECEPTION/STUDENT SUCCESS



207K CORRIDOR



208 JANITOR

209A OFFICE

(209B OFFCIE - 209E OFFCIE SIMILAR REFER TO PLAN FOR ORIENTATION)

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.08	STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
5.71	LADDER TO ROOF, SEE **23 / A835**
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.01	MARKER BOARD, SEE **13 / A860**
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.58	MOP HOLDER AND SHELF, SEE **8 / A860**
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
11.37	PRINTER, O.F.C.I.
11.39	SMART CART, O.F.C.I.
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.02	PLUMBING FIXTURE, SEE PLUMBING
22.17	COMMERCIAL WATER HEATER, SEE PLUMBING
22.23	THERMAL EXPANSION TANK, SEE PLUMBING
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
26.33	EXIT SIGNAGE, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

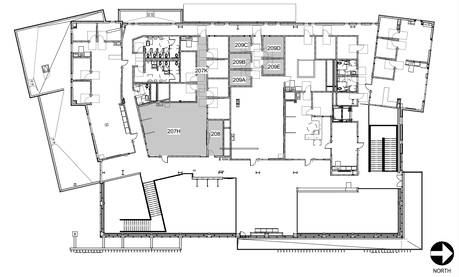
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A926

PLOT DATE: 8/14/2026 11:14:26 AM

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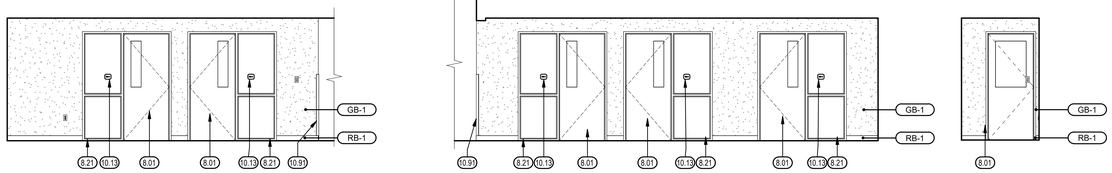
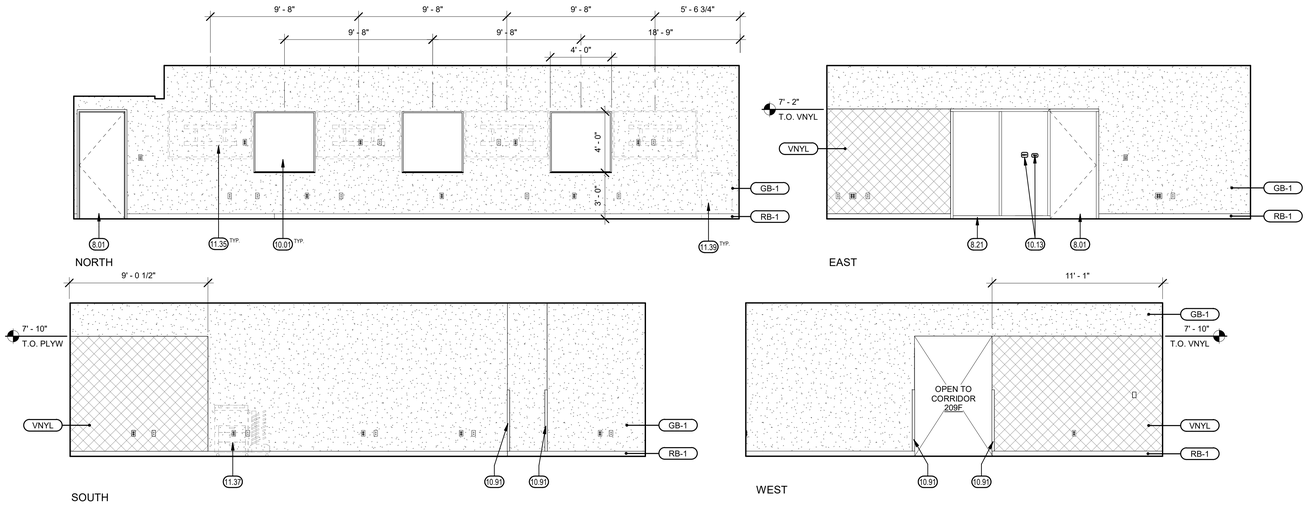
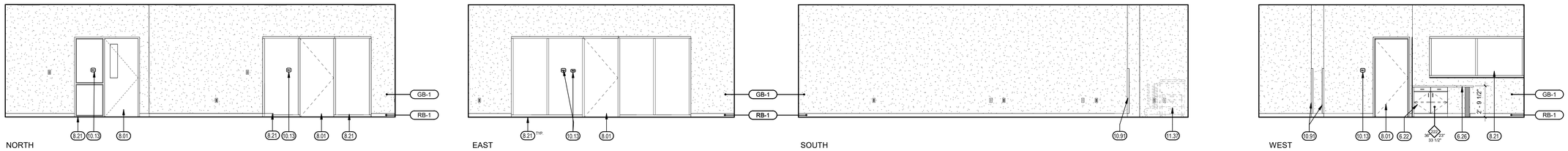


209F CORRIDOR



209G TRANSFER/CAREER



210 STUDENT ACTIVITIES AND AFFAIRS

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.26	PLASTIC LAMINATE COUNTER TOP, SEE INTERIOR ELEVATIONS
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.01	MARKER BOARD, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
11.37	PRINTER, O.F.C.I.
11.39	SMART CART, O.F.C.I.

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE MTD. PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

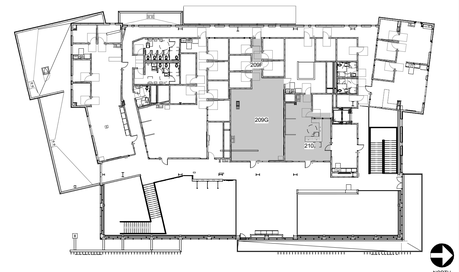
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
WEST

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A927

PLOT DATE: 8/14/2026 11:14:45 AM

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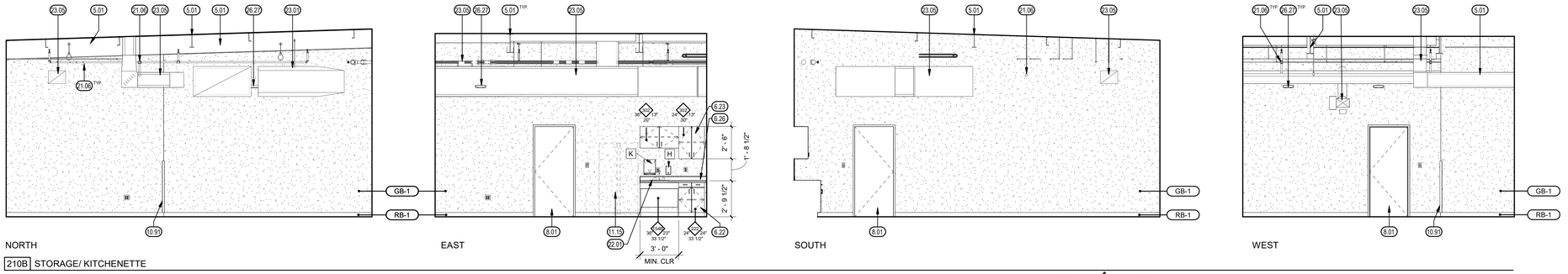
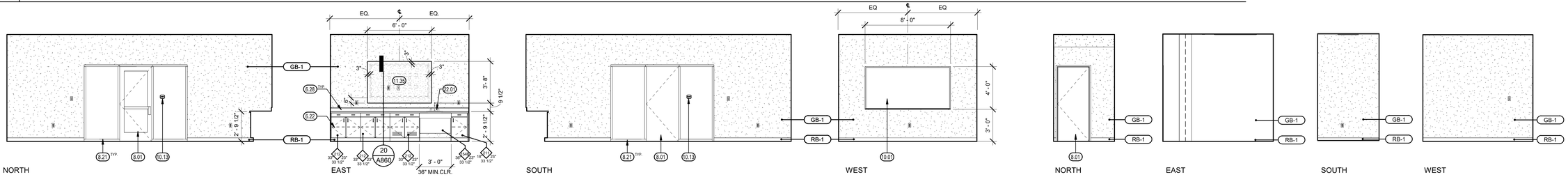
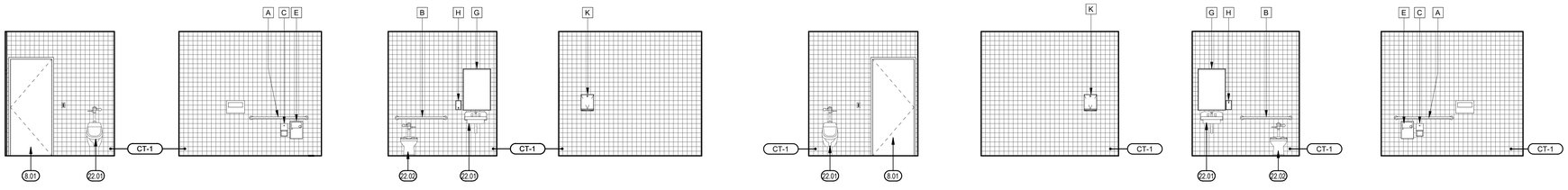


210B STORAGE/ KITCHENETTE



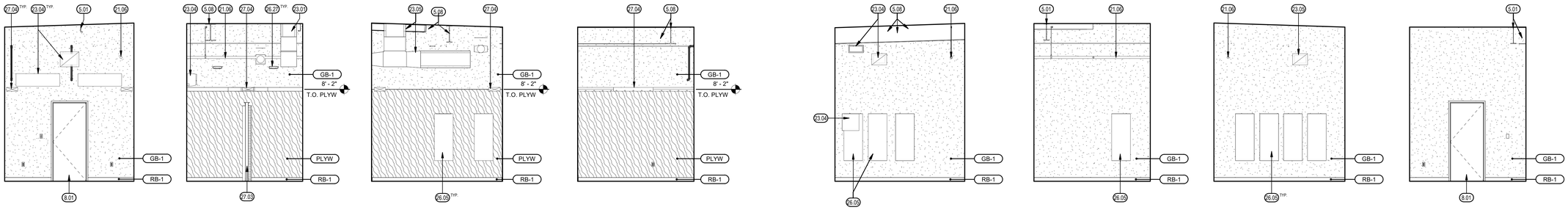
211 MEETING

212 STORAGE



213 UNISEX

214 UNISEX



215 COMMUNICATIONS

216 ELECTRICAL

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.08	STRUCTURAL BEAM (PAINT), TYP. - SEE STRUCTURAL
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.26	PLASTIC LAMINATE COUNTER TOP, SEE INTERIOR ELEVATIONS
6.28	SOLID SURFACE COUNTER TOP
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
10.01	MARKER BOARD, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.15	REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
21.06	FIRE SPRINKLER SYSTEM, SEE FIRE PROTECTION
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
22.02	PLUMBING FIXTURE, SEE PLUMBING
23.01	HVAC EQUIPMENT, SEE MECHANICAL
23.04	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.05	MECHANICAL DUCT, TYP. - SEE MECHANICAL
26.05	ELECTRICAL PANEL, SEE ELECTRICAL
26.27	LIGHT FIXTURE, TYP. - SEE ELECTRICAL
27.03	TWO POST RACK, SEE ELECTRICAL
27.04	CABLE TRAY, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
F	DIAPER CHANGING STATION	KOALA KARE	KB300	SURF. MTD.
G	MIRROR (24" x 36")	BOBRICK	B-165 2436	SURF. MTD.
H	SOAP DISPENSER	BOBRICK	O.F.O.I.	SURF. MTD.
J	MIRROR (36" x 60")	BOBRICK	B-165 3660	SURF. MTD.
K	PAPER TOWEL DISPENSER	BOBRICK	B-262	SURF. MTD.

INTERIOR FINISH COLOR SCHEDULE

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
CB	SEALED CONCRETE BASE	-	FACTORY FINISH	-	-
CT-2	CERAMIC WALL TILE 4 1/4" x 4 1/4"		FACTORY FINISH	-	
CT-5	CERAMIC WALL TILE 3" x 6"		FACTORY FINISH	-	
EP-1	6" RESINOUS FLOORING COVED BASE		FACTORY FINISH		
FRP-W	FIBERGLASS REINFORCED PLASTIC PANELING	KEMLITE	FACTORY FINISH	COLOR TO BE SELECTED BY ARCHITECT	INSTALL o/GYP. BD.
GB-1	GYPSUM BOARD	SHERWIN WILLIAMS (PAINT)	PAINT	PURE WHITE - 7005	

MARK	MATERIAL	MFR. (BASIS OF DESIGN)	FINISH	COLOR	NOTES
MP-1	PRE-FINISHED FORMED METAL PANEL WALL ASSEMBLY	METAL SALES TLC-1	FACTORY FINISH	GALVALUME	
PLYW	3/4" PLYWOOD FIRE RATED				
RB-1	4" RUBBER BASE	BURKE MERCER FLOORING PROD.	FACTORY FINISH	BLACK BROWN - 523	
SS1	STAINLESS STEEL WALL COVERING		FACTORY FINISH	STAINLESS STEEL	
VNYL	VINYL COVERED TACKBOARD				
VNYL-1	VINYL WALL COVERING, BRUSHED ALUMINUM				

GENERAL NOTES

A. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES AND EQUIPMENT, SEE **14 / A860**

B. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES, SEE **2 / A800** & **3 / A800**

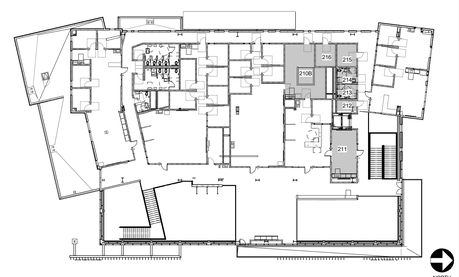
C. FOR CEILING FINISHES SEE SHEETS A610 AND A620

D. FOR FLOOR FINISHES SEE SHEETS A910 AND A920

E. FOR TYPICAL CASEWORK ANCHORAGE SEE **25 / A860**

KEY PLAN

SCALE: N.T.S.



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MARK	DATE	DESCRIPTION
B	08-14-26	DSA BACKCHECK

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VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

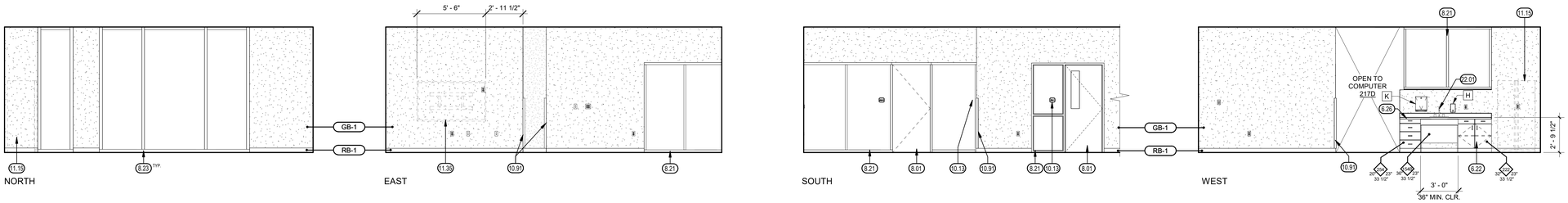
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

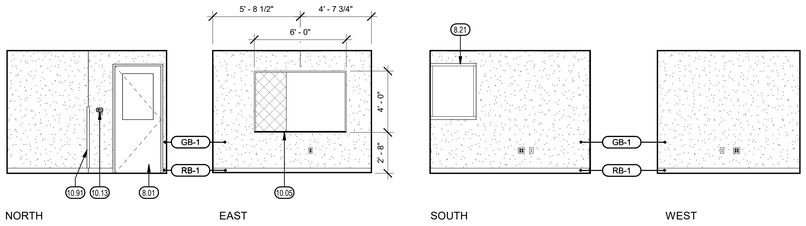
DRAWING
A928

PLOT DATE: 8/14/2026 11:15:25 AM



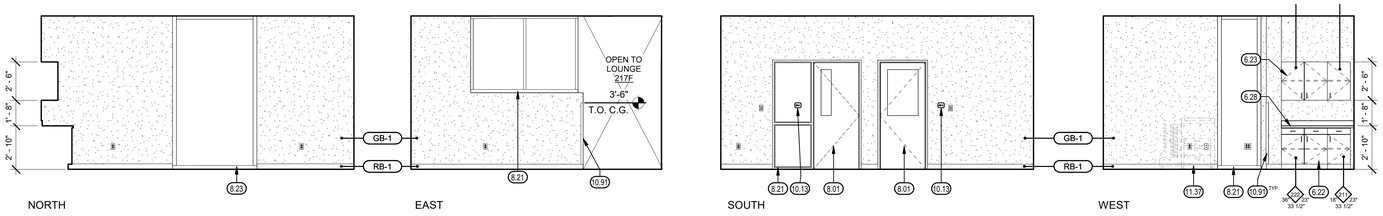
217 VETERANS

(217F - LOUNGE)

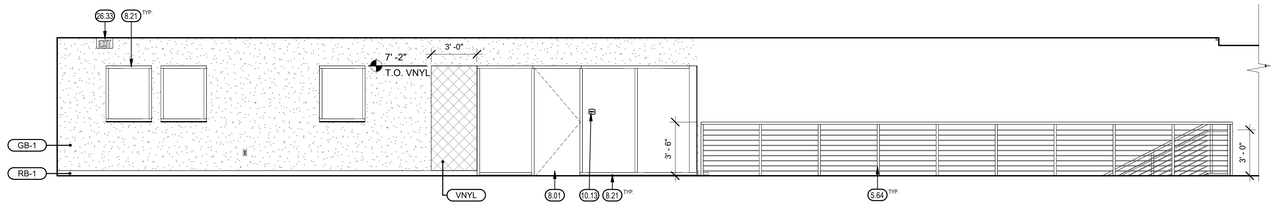


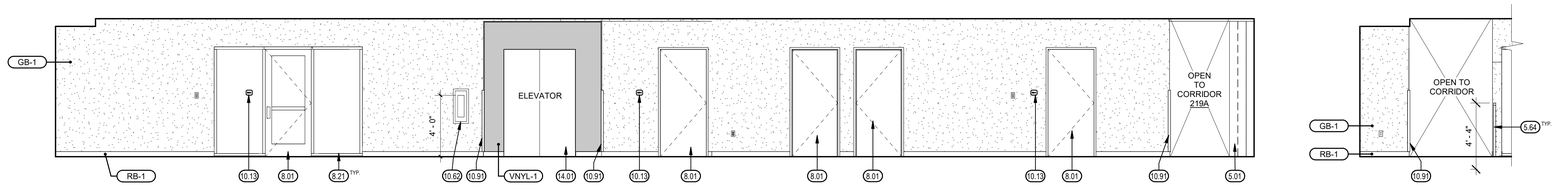
217A OFFICE

(217B - 217C OFFICE REFER TO FLOOR PLAN FOR ORIENTATION)



217D COMPUTER





218 NORTH CORRIDOR

INTERIOR ELEVATIONS - SECOND FLOOR

1/4" = 1'-0" | 4

KEYNOTES

5.01	STRUCTURAL STEEL FRAMING, TYP. - SEE STRUCTURAL
5.64	GUARDRAIL, TYP. SEE **13 / A851**
6.22	PLASTIC LAMINATE BASE CABINET, SEE INTERIOR ELEVATIONS
6.23	PLASTIC LAMINATE UPPER CABINET, SEE INTERIOR ELEVATIONS
6.26	PLASTIC LAMINATE COUNTER TOP, SEE INTERIOR ELEVATIONS
6.28	SOLID SURFACE COUNTER TOP
8.01	DOOR AND FRAME AS SCHEDULED, SEE A700
8.21	ALUMINUM STOREFRONT, TYP. - SEE WINDOW SCHEDULE
8.23	ALUMINUM CURTAIN WALL, TYP., - SEE WINDOW SCHEDULE
10.05	MARKERBOARD / TACKBOARD FRAMED, SEE **13 / A860**
10.13	WALL SIGNAGE PER PLAN (TYP.), SEE A801
10.62	FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER **12 / A860**
10.91	WALL END GUARD/ CORNER GUARD, SEE **5 / A860**
11.15	REFRIGERATOR (O.F.O.I.) (COMBINATION REFRIGERATOR / FREEZERS MUST HAVE AT LEAST 50% OF FREEZER SPACE MAX. 54" A.F.F.)
11.35	MONITOR BRACKET O.F.C.I, WALL MOUNTED, SEE **23 / A860**
11.37	PRINTER, O.F.C.I.
14.01	ELEVATOR
22.01	ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING
26.33	EXIT SIGNAGE, SEE ELECTRICAL

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	COMMENTS
A	GRAB BAR, SIDE, SEE **2 / A800**	BOBRICK	B-6806 SERIES	48" LONG
B	GRAB BAR, REAR, SEE **2 / A800**	BOBRICK	B-6806 SERIES	42" LONG
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURF. MTD.
E	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURF. MTD.
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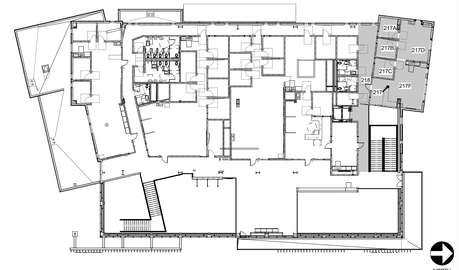

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DRAWING TITLE
INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
A929

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GENERAL STRUCTURAL

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CODE (SEE 'BASIS OF DESIGN'); AND ALL OTHER PUBLICATIONS AND STANDARDS LISTED HEREIN. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
2. CONTRACTOR SHALL READ AND FOLLOW ALL REFERENCED **ICC-ES** REPORTS OR **IAPMO-ES** REPORTS FOR INSTALLATION OF ITEMS SHOWN. ALTERNATE METHODS OF CONSTRUCTION MAY BE SUBMITTED FOR APPROVAL TO THE PROJECT COORDINATOR WITH APPLICABLE **ICC-ES** OR **IAPMO-ES** REPORTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL VERIFY ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS BEFORE STARTING WORK OR FABRICATION ON NEW (N) OR EXISTING (E) CONSTRUCTION. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, SPECIFICATIONS, GENERAL NOTES, AND THE SITE CONDITIONS SHALL BE IMMEDIATELY CALLED TO THE ATTENTION OF THE ENGINEER OF RECORD AND SHALL BE RESOLVED IN WRITING BEFORE PROCEEDING. ANY WORK PERFORMED BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE PERFORMED AT THE GENERAL CONTRACTOR'S RISK. ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
4. ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CONSTRUCTION SAFETY REQUIREMENTS OF O.S.H.A. AND ANY OTHER GOVERNMENTAL AGENCY HAVING JURISDICTION IN THE AREA OF THE WORK.
5. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
6. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR, AND DOES NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR JOB SITE CONDITIONS, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR, AND DOES NOT HAVE CONTROL OR CHARGE OF ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OF THEIR AGENTS OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING ANY OF THE CONSTRUCTION WORK. THE CONTRACTOR AGREES TO INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
7. THE STRUCTURAL SYSTEMS HAVE BEEN DESIGNED TO RESIST CODE REQUIRED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. AS PRESCRIBED BY THE GOVERNING BUILDING CODES AND IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICES. NO SPECIAL PROVISIONS HAVE BEEN MADE FOR CARRYING CONCENTRATED LOADS FROM STORAGE AND HANDLING OF CONSTRUCTION MATERIALS OR FROM OPERATION OF CONSTRUCTION EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE'S STABILITY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO JOB SITE SAFETY; ERECTION METHODS AND SEQUENCES; TEMPORARY SHORING; FORMWORK AND BRACING; USE OF EQUIPMENT, AND CONSTRUCTION PROCEDURES. PROVIDE ADEQUATE RESISTANCE TO LOADS ON THE STRUCTURES DURING CONSTRUCTION PER **DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION (SEI/ASCE 37-14 (R2019))**.
8. STRUCTURAL OBSERVATION BY THE ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY FOR BUILDING THE PROJECT, CONTROLLING THE PROGRESS, PROVIDING SAFE WORKING CONDITIONS, AND CORRECTING ANY DEVIATIONS FROM PROJECT REQUIREMENTS. SUCH OBSERVATIONS ARE NOT TO BE CONSTRUED AS INSPECTION OF THE WORK. RESPONSIBILITY FOR RESOLUTION OF ANY ITEMS NOTED DURING OBSERVATION AS NOT BEING IN CONFORMANCE WITH THE CONTRACT DOCUMENTS RESTS WITH THE CONTRACTOR, SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER OF RECORD.
9. THE DETAILS ON THESE DRAWINGS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, DETAILS OF A CHARACTER SIMILAR TO THOSE SHOWN SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER OF RECORD.
10. THE TYPICAL DETAILS SHOWN ON THE TYPICAL DETAIL SHEETS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
11. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
12. OPENINGS, POCKETS, ETC., SHALL NOT BE PLACED IN SLABS, PILASTERS, OR WALLS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS. FOR OPENINGS NOT SHOWN AND/OR DETAILED ON THE STRUCTURAL DRAWINGS AND WHICH PENETRATE STRUCTURAL ELEMENTS, OBTAIN APPROVAL FROM THE ENGINEER OF RECORD BEFORE PROCEEDING WITH WORK.
13. IT IS THE INTENTION OF THESE DRAWINGS TO PROVIDE FOR THE FOLLOWING CONTINUITIES:
    - ALL ROOF AND FLOOR STRUTS (BEAM MEMBERS OF THE LFRS) SHALL BE CONTINUOUSLY CONNECTED FOR THE LENGTH OF THE ROOF OR FLOOR SYSTEM.
    - ALL WALL BRACING SHALL BE CONNECTED TO THE ROOF AND/OR FLOOR STRUTS.

    IF THE DETAILS WHICH REFLECT THESE CONTINUITIES ARE NOT EVIDENT ON THE DRAWINGS, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD FOR CLARIFICATION.
14. FRAME OPENINGS AND SUPPORT MISCELLANEOUS EQUIPMENT AS DETAILED ON THE DRAWINGS. WHERE NO DETAILS ARE PROVIDED, OBTAIN APPROVAL FROM THE ENGINEER OF RECORD BEFORE PROCEEDING WITH WORK.
15. ALL EQUIPMENT, MACHINERY, TANKS AND SILOS SHALL BE PLUMB AND LEVEL UNLESS NOTED OTHERWISE.
16. ALL EXTERIOR GLAZING AND FRAMES SHALL BE DESIGNED TO RESIST THE WIND LOADS PRESENTED IN THE "BASIS OF DESIGN" SPECIFICATION.
17. LATERALLY BRACE ALL SUSPENDED EQUIPMENT AND CEILINGS IN CONFORMANCE WITH THE BUILDING CODE.
18. IT IS THE INTENT OF THESE PLANS TO PROVIDE DETAILS OF CONSTRUCTION NECESSARY TO GUIDE THE GENERAL CONTRACTOR WITH STRUCTURAL ASPECTS OF THE PROJECT ONLY.
19. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON STRUCTURAL PLANS AND DETAILS AND OVERALL LAYOUT OF STRUCTURAL PORTION OF WORK. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED SUCH AS WALL CONFIGURATIONS, INCLUDING EXACT DOOR AND WINDOW LOCATIONS, ALCOVES, SLAB SLOPES AND DEPRESSIONS, CURBS, ETC. VERTICAL DIMENSIONAL CONTROL IS DEFINED BY ARCHITECTURAL WALL SECTIONS AND BUILDING SECTIONS. STRUCTURAL DETAILS SHOW DIMENSIONAL RELATIONSHIPS TO CONTROL DIMENSION DEFINED BY ARCHITECTURAL DRAWINGS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
21. SEE ALSO PROJECT MANUAL.

BASIS OF DESIGN

1. CODE: **ASCE 7-16** AND **CBC 2022**
2. DESIGN LOADS:
   - ROOF DEAD LOAD----------SEE PLANS
   - ROOF LIVE LOAD----------SEE PLANS
   - (ROOF LIVE LOAD MAY BE REDUCED PER **CBC SECTION 1607A.14.2**
   - FLOOD HAZARD----------N/A
   - EXTERIOR WALL DEAD LOAD----------18 PSF
   - INTERIOR WALL DEAD LOAD----------10 PSF
3. SEISMIC FACTORS:
   - RISK CATEGORY----------III
   - IMPORTANCE FACTOR----------1.25
   - S_S----------0.552
   - S_1----------0.219
   - SITE CLASS----------D
   - SDS----------0.500
   - $SD1$----------0.316*1.5=0.474
   - SEISMIC DESIGN CATEGORY----------D
   - SEISMIC RESPONSE COEFFICIENT(S), C_S----------0.078
   - RESPONSE MODIFICATION FACTOR(S), R----------8.0
   - SEISMIC FORCE RESISTING SYSTEM(S)----------STEEL SPECIAL MOMENT FRAME
   - DESIGN BASE SHEAR (BOTH DIRECTIONS)----------250.8 KIPS
   - SYSTEM OVERSTRENGTH FACTOR, Ω----------3.0
   - DEFLECTION AMP. FACTOR, C_d----------5.5
   - REDUNDANCY FACTOR, ρ----------1.3
   - ANALYSIS PROCEDURE USED----------EQUIVALENT LATERAL FORCE METHOD
   - HORIZONTAL STRUCTURAL IRREGULARITITES----------TYPE 2 & 5
   - VERTICAL STRUCTURAL IRREGULARITIES----------N/A
   - LOCATION OF BASE----------TOP OF FOOTING
4. WIND FACTORS:
   - RISK CATEGORY----------III
   - ULTIMATE DESIGN WIND SPEED----------101 MPH
   - WIND EXPOSURE----------C
   - INTERNAL PRESSURE COEFFICIENT----------+/- 0.18
5. THE SCOPE OF THIS PROJECT IS TO PROVIDE A NEW STUDENT UNION BUILDING ON EXISTING CAMPUS. BUILDING IS CONSTRUCTED WITH METAL DECK ROOF DIAPHRAGM OVER STRUCTURAL STEEL ROOF FRAMING. COMPOSITE CONCRETE OVER METAL DECK FLOOR DIAPHRAGM OVER STRUCTURAL STEEL FLOOR FRAMING AND STRUCTURAL STEEL COLUMNS SUPPORTED ON CONCRETE CONTINUOUS AND SPREAD FOOTINGS. THE TYPICAL WALL FRAMING (EXTERIOR AND INTERIOR) IS METAL STUD FRAMING. THE MAIN BUILDING LATERAL FORCE RESISTING SYSTEM CONSISTS OF METAL DECK DIAPHRAGMS AND STEEL SPECIAL MOMENT FRAMES WITH CONCRETE GRADE BEAMS.

BUILDING FOUNDATION AND PREPARATION

1. THE FOUNDATION DESIGN IS IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED WITHIN THE GEOTECHNICAL ENGINEERING INVESTIGATION REPORT PREPARED BY **SOILS ENGINEERING, INC.** REPORT NO. **24-19596**, DATED **JUNE 19, 2024**.
2. THE SOIL PARAMETERS ARE AS FOLLOWS:
   A. SOIL CLASSIFICATION: LOOSE TO MEDIUM SILTY SAND.
      a. ALLOWABLE DESIGN PARAMETERS:

PARAMETER	ALLOWABLE CAPACITY
DEAD + LIVE (CONTINUOUS)	**3000** PSF
DEAD + LIVE (SPREAD)	**3000** PSF
SEISMIC / WIND	**1/3RD INCREASE**
ACTIVE PRESSURE (DRAINED)	**40** PSF
AT REST PRESSURE (DRAINED)	**55** PSF
PASSIVE PRESSURE (DRAINED)	**400** PSF
COEFFICIENT OF FRICTION	**0.43**
SUBGRADE MODULUS	**200 KSF/FT.**

3. FOR OVEREXCAVATION AND COMPACTION INFORMATION, SEE (15/S002)
4. CONTRACTOR SHALL REVIEW AND INCORPORATE ALL RECOMMENDATIONS OF SOILS ENGINEER OF RECORD IN THEIR GEOTECHNICAL ENGINEERING INVESTIGATION INDICATED IN NOTE #1 ABOVE.
5. A REPRESENTATIVE OF THE SOILS ENGINEER OF RECORD SHALL BE PRESENT DURING ALL SITE CLEARING AND GRADING OPERATIONS TO TEST AND OBSERVE EARTHWORK CONSTRUCTION.
6. PRIOR TO PLACEMENT OF REINFORCING STEEL, A REPRESENTATIVE OF THE SOILS ENGINEER OF RECORD SHALL INSPECT ALL FOOTING EXCAVATIONS FOR SUITABILITY OF BEARING SURFACES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION PROCEDURES AND FOR PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES.
8. DO NOT BACKFILL AROUND THE EXTERIOR PERIMETER WALL UNTIL AFTER THE WALLS ARE SUPPORTED BY THE COMPLETION OF INTERIOR FLOOR SYSTEMS. DO NOT BACKFILL UNTIL 7 DAYS MINIMUM AFTER COMPLETION OF THE FLOOR SLABS.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE SHORING, BRACING AND FORM WORK AS REQUIRED FOR THE CONSTRUCTION OF THE BUILDING. PROVIDE TEMPORARY BRACING AS REQUIRED TO HOLD THE VARIOUS ELEMENTS IN PLACE UNTIL FINAL SUPPORT IS SECURELY ANCHORED.
10. CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION TO AVOID DAMAGE TO BURIED LINES, TANKS, AND OTHER CONCEALED ITEMS. UPON DISCOVERY, DO NOT PROCEED WITH WORK UNTIL RECEIVING WRITTEN INSTRUCTIONS FROM ARCHITECT.
11. PROVIDE DRAINAGE AND DEWATERING AROUND ALL WORK TO AVOID WATER-SOFTENED FOOTINGS.

VERICAL DEFLECTION & LATERAL DRIFT CRITERIA

1. VERTICAL LIVE LOAD CRITERIA:
   A. ROOF: L/240
   B. 2ND FLOOR: L/360
2. LATERAL DRIFT:
   A. SEISMIC DRIFT BY WALL LINE:

LINE	DRIFT, IN.	
	ROOF	FLOOR
1	1.18	1.65
7	1.85	-
8	-	1.79
A	1.11	1.58
C	0.89	1.25
D	0.84	1.16

3. LATERAL WIND PRESSURES (C&C O.O.P.)
   A. FOR WALLS, 0'-0" TO 36'-0" HEIGHT
      a. 26.4 PSF (ZONE 4)
      b. 32.5 PSF (ZONE 5)
   B. FOR PARAPETS, 36'-1" TO 46'-0" HEIGHT
      a. 27.8 PSF (ZONE 4)
      b. 34.2 PSF (ZONE 5)

CONCRETE MIX, PLACEMENT, AND FINISH

1. THE QUALITY AND DESIGN OF CONCRETE SHALL BE IN ACCORDANCE WITH THE CODE (SEE 'BASIS OF DESIGN') EXCEPT ITEMS NOT SPECIFICALLY COVERED THEREIN SHALL ALSO CONFORM TO **BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19 & ACI 301)**.
2. CEMENT SHALL BE **TYPE I/II (NON-CORROSIVE SOILS)** AND SHALL MEET THE REQUIREMENTS SET FORTH IN THE TABLE BELOW:

USE/LOCATION	f'c (psi)	SLUMP (in.)	w/c RATIO	MAX. AGG. SIZE
FOUNDATION	4,000	4	0.45 - 0.50	1" H.R.
FOUNDATION WALL	4,000	4	0.45 - 0.50	1" H.R.
SLAB-ON-GRADE	4,000	4	0.45 - 0.50	1" H.R.
CONC. o/ METAL DECK	4,000	4	0.45	1" H.R.
CONC. o/ STAIR TREAD	4,000	4	0.45	3/4" H.R.
CONC. o/ STAIR DECK	4,000	4	0.45	3/4" H.R.

NOTES:
AGGREGATE SPECIFICATION SHALL BE AS FOLLOWS:
1. **ASTM C33** FOR HARD ROCK (H.R.) AGGREGATE (145pcf)
2. GAP-GRADED MIX PROHIBITED FOR HIGH GRADE CONCRETE. COMPLY WITH GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION **(ACI 302.1R-15)**.

ULTIMATE COMPRESSIVE STRENGTH (f'c) SHOWN BASED ON 28 DAY STRENGTH.

3. THE CONTRACTOR SHALL DESIGN CONCRETE MIXES THAT MEET OR EXCEED THE REQUIREMENTS OF THE CONCRETE MIX TABLE. THE MIX DESIGNS SHALL FACILITATE ANTICIPATED PLACEMENT METHODS, WEATHER, REBAR CONGESTION, ARCHITECTURAL FINISHES, CONSTRUCTION SEQUENCING, STRUCTURAL DETAILS, AND ALL OTHER FACTOR REQUIRED TO PROVIDE A STRUCTURALLY SOUND, AESTHETICALLY ACCEPTABLE FINISHED PRODUCT. WATER REDUCING ADMIXTURES WILL LIKELY BE REQUIRED TO MEET THESE REQUIREMENTS. CONCRETE MIX DESIGNS SHALL CLEARLY INDICATE THE TARGET SLUMP, SLUMP TOLERANCE SHALL BE +/- 1 1/2 INCHES.
4. TOTAL CEMENTITIOUS MATERIAL SHALL BE THE SUM OF ALL CEMENT PLUS FLYASH. AT THE CONTRACTORS OPTION, FLYASH MAY BE SUBSTITUTED FOR CEMENT BUT SHALL NOT EXCEED 15% FOR DSA BY WEIGHT OF TOTAL CEMENTITIOUS MATERIAL (FLYASH SUBSTITUTION IS PERMITTED UP TO 35% BY WEIGHT, WITH MIX DESIGN CONFORMING TO **ASTM C618**). MIXES SHALL NOT CONTAIN LESS THAN 5 1/2 SACKS OF CEMENTITIOUS MATERIAL PER CUBIC YARD, UNLESS NOTED OTHERWISE.
5. FLYASH SHALL CONFORM TO **ASTM C618 CLASS F**. MAXIMUM LOSS OF IGNITION SHALL BE 1.0%
6. ADMIXTURES SHALL BE BY MASTER BUILDERS, W.R.GRACE, OR PRE-APPROVED EQUAL. ALL MANUFACTURERS RECOMMENDATIONS SHALL BE FOLLOWED. NO ADMIXTURES SHALL BE ADDED TO THE MIX DESIGN WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
7. PLACE CONCRETE FOLLOWING ALL APPLICABLE ACI RECOMMENDATIONS. CONCRETE SHALL BE PROPERLY CONSOLIDATED PER **GUIDE FOR CONSOLIDATION OF CONCRETE (ACI 309R-05)** USING INTERIOR VIBRATORS. VIBRATORS, DO NOT OVER VIBRATE. CONCRETE SHALL BE POURED MONOLITHICALLY BETWEEN CONSTRUCTION OR EXPANSION JOINTS. IF CONCRETE IS PLACED BY THE PUMP METHOD, HORSES SHALL BE PROVIDED TO SUPPORT THE HOSE. THE HOSE SHALL NOT BE ALLOWED TO RIDE ON THE REINFORCING. WEATHER FORECASTS SHALL BE MONITORED AND ACI RECOMMENDATIONS FOR HOT AND COLD WEATHER CONCRETING SHALL BE FOLLOWED AS REQUIRED. CONCRETE SHALL NOT FREE FALL MORE THAN 5 FEET DURING PLACEMENT WITHOUT WRITTEN APPROVAL OF STRUCTURAL ENGINEER.
8. ALL MOLDS, ORNAMENTS, GROOVES, ETC., SHOWN ON DRAWINGS SHALL BE PROVIDED FOR IN THE FORM WORK BEFORE CONCRETE IS POURED.
9. REFER TO ARCHITECTURAL, MECHANICAL, AND/OR PLUMBING DRAWINGS FOR LOCATION AND SPACING OF ALL PLUMBING FIXTURES.
10. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE FOOTINGS UNLESS SPECIFICALLY DETAILED.
11. CONSTRUCTION JOINTS NOT INDICATED ON THE DRAWINGS SHALL BE MADE AND LOCATED AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE. PROVISION SHALL BE MADE FOR TRANSFER OF SHEAR AND OTHER FORCES THROUGH THE JOINTS.
12. CONTROL JOINTS (C.J.) SHALL BE LOCATED PER PLAN FOR PROPER SHRINKAGE CONTROL. JOINT SPACING SHALL BE ON A MAXIMUM 12' SPACING EACH WAY (144 SQ. FT.). WHERE POSSIBLE, CONTROL JOINTS ARE TO BE LOCATED AT INTERIOR NON-BEARING PARTITIONS AND AT HIGH OR LOW POINTS OF FLOOR SLOPES. SOFT CUTS FOR THE CONTROL JOINTS SHALL BE MADE IN THE SLAB NO LATER THAN 8 HOURS AFTER PLACEMENT.
13. ALL CONCRETE SHALL BE FINISHED PER THE PROJECT MANUAL.
14. ALL CONCRETE SHALL BE CURED PER THE PROJECT MANUAL.
15. NON-SHRINK GROUT SHALL BE MASTER BUILDERS "MASTERFLOW 555" OR PRE-APPROVED EQUAL. GROUT SHALL CONFORM TO CRD-C621 AND **ASTM C1107 GRADE B** (MINIMUM 5,000 PSI COMPRESSIVE STRENGTH) WHEN TESTED AT A FLUID CONSISTENCY PER CRD-C611-85 FOR 30 MINUTES. GROUT MAY BE PLACED FROM A 25 SECOND FLOW TO A STIFF PACKING CONSISTENCY. FILL OR PACK ENTIRE SPACE UNDER PLATES OR SHAPES. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR PREPARATION, INSTALLATION, AND CURING.

CONCRETE REINFORCING AND ANCHORAGE

1. CONCRETE SHALL BE AS SPECIFIED IN THE CONCRETE MIX, PLACEMENT AND FINISH SHEET SPECIFICATIONS.
2. ALL REINFORCING SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO **ASTM A615** U.N.O. (**A706** WHERE WELDING IS REQUIRED, SEE NOTE #3):
   A. GRADE 60 OR DUAL GRADE ASTM A615/A760 GRADE 60, 80 KSI MINIMUM TENSILE STRENGTH. 1.1 MINIMUM RATIO OF ACTUAL TENSILE STRENGTH TO ACTUAL YIELD STRENGTH.
   B. **ASTM A615** GRADE 60 REQUIRES 80,000 PSI MINIMUM TENSILE STRENGTH WITH 1.10 MINIMUM RATIO OF ACTUAL TENSILE STRENGTH TO ACTUAL YIELD STRENGTH BASED ON MILL TESTING.
3. WELDING OF REINFORCING SHALL BE ALLOWED ONLY WHERE DETAILED ON DRAWINGS. ALL REINFORCING THAT IS TO BE WELDED SHALL BE **ASTM A706**, GRADE 60, CONFORMING TO **CBC 2022 SECTION 1705A.3.1** AND IN ACCORDANCE WITH AWS SPECIFICATIONS **(AWS D1.4/D1.4M-2018)**. FABRICATION DETAILS SHALL CONFORM TO **DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315-99)** AND **CRSI MANUAL OF STANDARD PRACTICE 2019 29TH EDITION (w/ 2019 ERRATA)**. WELDING SHALL NOT BE DONE WITHIN TWO BAR DIAMETERS OF ANY BENT PORTION OF A BAR WHICH HAS BEEN BENT COLD. WELDING OF CROSSING BARS SHALL NOT BE PERMITTED FOR ASSEMBLY OF REINFORCEMENT UNLESS AUTHORIZED BY THE STRUCTURAL ENGINEER.
4. ALL REBAR SHALL BE COLD BENT.
5. SPLICES IN REINFORCING STEEL SHALL BE LAPPED ACCORDING TO DETAIL (1/S002) U.N.O.
6. SEPARATE BARS 1 1/2 DIAMETERS OR 1" CLEAR, WHICHEVER IS GREATER. BARS INDICATED AS CONTINUOUS MAY BE FABRICATED IN CONVENIENT LENGTHS, STAGGER LAP SPLICE LOCATIONS A MINIMUM OF 24". FABRICATION DETAILS SHALL CONFORM TO **CRSI MANUAL OF STANDARD PRACTICE 2018 29TH EDITION**.
7. FIELD SPLICES NOT ORIGINALLY SHOWN ON DRAWINGS WILL BE PERMITTED ONLY WITH APPROVAL OF THE ENGINEER.
8. MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
   - CAST AGAINST EARTH (EXCEPT SLABS ON GRADE)----------3"
   - SLABS ON GRADE----------1 1/2"
   - EXPOSED TO EARTH OR WEATHER
     - #5 BARS AND SMALLER----------1 1/2"
     - #6 BARS AND LARGER----------2"
   - NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND SLABS.
     - #11 BARS AND SMALLER----------3/4"
     - #14 AND #18 BARS----------1 1/2"
9. WELDED WIRE REINFORCEMENT SHALL CONFORM TO **ASTM A1064 GRADE 65**. LAP ONE FULL MESH +2" ON SIDES AND ENDS (8" MIN. TYPICAL FOR 6x6). WELDED WIRE REINFORCEMENT SHALL BE SUPPORTED TO WITHSTAND CONCRETE PLACEMENT. PULLING OF MESH INTO PLACE AFTER PLACEMENT IS NOT ALLOWED.
10. ALL ANCHOR RODS SHALL BE OF HEX HEAD TYPE CONFORMING TO **ASTM F1554** GRADE 55 (U.N.O.) CLASS 2A WITH SUPPLEMENTARY REQUIREMENT NO. 1 INCLUDING COLOR MARKING TYPICAL U.N.O. FOR EXPOSED ENDS, PROVIDE COLOR CODING PER **ASTM F1554** OR PERMANENT IDENTIFICATION MARKS PER **ASTM F1554** SUPPLEMENT #2 AND #3 ON EACH ROD FOR IDENTIFICATION.
11. FOR ANCHOR BOLTS AT SILL TRACK, SEE COLD FORMED STEEL FRAMING NOTE NUMBER 10.
12. ALL REINFORCING STEEL, ANCHOR RODS, ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE IN PLACE AND SHALL BE WELL SECURED IN POSITION PRIOR TO POURING CONCRETE.

CONCRETE POST-INSTALLED ANCHOR NOTES

1. POST-INSTALLED ANCHORS SHALL BE THE FOLLOWING:
   A. EPOXIED THREADED ROD ASSEMBLIES SHALL BE:
      a. HILTI HIT-RE 500 V3 EPOXY **ICC REPORT NO. ESR-3814 (REISSUED: JANUARY 2025, REVISED MAY, 2025)** AS MANUFACTURED BY HILTI, INC., 7250 DALLAS PARKWAY; STE. 1000, PLANO, TEXAS 75024.
         - MINIMUM EMBEDMENT DEPTHS SHALL BE PER CONTRACT DRAWINGS, PLANS, AND DETAILS.
      b. THREADED ROD SHALL BE **ASTM F1554** GRADE 36 U.N.O.
   B. EPOXIED REBAR ASSEMBLIES SHALL BE:
      a. HILTI HIT-RE 500 V3 EPOXY **ICC REPORT NO. ESR-3814 (REISSUED: JANUARY 2025, REVISED MAY, 2025)** AS MANUFACTURED BY HILTI, INC., 7250 DALLAS PARKWAY; STE. 1000, PLANO, TEXAS 75024.
         - MINIMUM EMBEDMENT DEPTHS SHALL BE PER CONTRACT DRAWINGS, PLANS, AND DETAILS.
      b. REBAR SHALL BE **ASTM A615** GRADE 60.
   C. EXPANSION BOLT ASSEMBLIES SHALL BE:
      a. HILTI KWIK BOLT-TZ2 ASSEMBLY **ICC REPORT NO. ESR-4266 (REISSUED: DECEMBER 2023, REVISED OCTOBER, 2024)**, AS MANUFACTURED BY HILTI, INC., 7250 DALLAS PARKWAY; STE. 1000, PLANO, TEXAS 75024.
   D. SCREW ASSEMBLIES SHALL BE:
      a. HILTI KWIK HUS-EZ **ICC REPORT NO. ESR-3027 (REISSUED: DECEMBER 2023)** AS MANUFACTURED BY HILTI, INC., 7250 DALLAS PARKWAY; STE. 1000, PLANO, TEXAS 75024.
   E. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. HOLE SHALL BE DRY AND CLEANED WITH WIRE BRUSH AND PRESSURIZED AIR PRIOR TO INSTALLATION. FOR EPOXY APPLICATIONS, USE EQUIPMENT WHICH WILL ACCURATELY MIX AND DISPENSE THE COMPONENTS. THE REBAR OR ROD SHOULD BE ROTATED AS IT IS PUSHED INTO THE HOLE.
2. ALL POST-INSTALLED ANCHORS SHALL BE INSPECTED BY AN APPROVED TESTING AND INSPECTION AGENCY AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ICC OR IAPMO REPORT AND **CBC SECTION 1910A.5** TO THE TEST VALUES STATED IN THE TABLE BELOW.
   A. THE LOAD MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION IN THE ANCHOR, SUCH AS DIRECT PULL TEST WITH A HYDAULIC JACK, CALIBRATED SPRING-LOADING DEVICE, A TORQUE WRENCH CALIBRATED FOR USE WITH THE SPECIFIC ANCHOR, ETC.
   B. TEST FREQUENCY
      a. SILL PLATE; 10 PERCENT
      b. ALL OTHER STRUCTURAL APPLICATIONS; 100 PERCENT
      c. NON-STRUCTURAL APPLICATIONS (EQUIPMENT ANCHORAGE, ETC.); 50 PERCENT OR ALTERNATIVE BOLTS IN A GROUP, INCLUDING AT LEAST ONE HALF THE ANCHORS IN EACH GROUP.
      d. *TF INDICATES A TEST FREQUENCY OF 10 PERCENT PER **1910A.5.3** EXCEPTION #2.
   C. TEST ACCEPTANCE
      a. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING-LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCONCERNABLE MOVEMENT DURING THE TENSION TEST.
      b. FOR ADHESIVE ANCHORS, WHERE OTHER THAN THE BOND IS BEING TESTED, THE TESTING DEVICE SHALL NOT RESTRICT THE CONCRETE SHEAR CONE TYPE FAILURE MECHANISM FROM OCCURING.
      c. TORQUE WRENCH METHOD (MAY NOT BE USED WITH REBAR):
         - ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN 1/2 TURN OF THE NUT. (SCREWS MUST ATTAIN THE SPECIFIED TORQUE WITHIN 1/4 TURN OF THE SCREW AFTER THE INITIAL SEATING OF THE SCREW HEAD.
         - IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE SHALL BE TESTED, WHICH ARE INSTALLED BY THE SAME TRADE NOT PREVIOUSLY TESTED UNTIL TWENTY CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.

TEST LOADS				
ROD/SCREW DIA.	TENSION (LBS)	TORQUE (FT-LBS)		
		ROD	EXP. BOLT C.S. / S.S.	SCREW
1/4"	-	-	-	18
3/8"	-	-	30 / 30	19, 40*
1/2"	-	-	50 / 40	45
5/8"	-	-	40 / 60	85
3/4"	-	-	110 / 125	95
7/8"	-	-	-	-
1"	-	-	185 / 185	-
1 1/4"	-	-	-	-

NOTE: FOR REBAR/ROD TENSION TEST LOADS SEE PLANS AND DETAILS.
* FOR 1 5/8" EMBED, USE 19; FOR 2 1/2"+ EMBED, USE 40.

3. WHEN INSTALLING POST INSTALLED ANCHORS, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE EXISTING REINFORCEMENT AND THE POST-INSTALLED ANCHOR.
4. ANY POST-INSTALLED ANCHOR SHOWN ON THE APPROVED CONTRACT DRAWINGS SHALL BE INSTALLED WITH SPECIAL INSPECTION IN ACCORDANCE WITH THE ICC OR IAPMO REPORT. ANY ITEMS THAT REQUIRE POST-INSTALLED ANCHORS BUT ARE NOT SPECIFICALLY SHOWN

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STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED PER **AISC SPECIFICATIONS** FOR BUILDINGS AND SHALL CONFORM TO THE FOLLOWING, U.N.O.:
   - W SHAPES: **ASTM A992**
   - HSS SHAPES: **ASTM A500, GRADE C**
   - PIPE SHAPES: **ASTM A53, GRADE B**
   - ALL OTHER SHAPES: **ASTM A36**
   - PLATES AND BARS: **ASTM A36, ASTM A572 GRADE 50 (WHERE NOTED)**
   - STAINLESS STEEL PLATE: **ASTM A240, TYPE 316L, Fy=30 KSI MIN. (AUSTENITIC)**
   - STAINLESS STEEL TUBING: **ASTM A554, TYPE 316L, Fy=30 KSI MIN. (AUSTENITIC)**

   A. ALL OPEN PIPE AND TUBE SHAPE SHALL HAVE A MIN. 1/4" CAP PLATE WITH COMPLETE JOINT PENETRATION WELD ALL AROUND, U.N.O.
2. WIDE FLANGE MEMBERS THAT HAVE FLANGE THICKNESS EXCEEDING 2 INCHES SHALL CONFORM TO **ASTM A6 SUPPLEMENTARY REQUIREMENT S30**, CHARPY V-NOTCH IMPACT TEST FOR STRUCTURAL SHAPES - ALTERNATE CORE LOCATION. TEST SHALL MEET A MINIMUM AVERAGE VALUE OF 20 FT LB AT +70 DEG F. WIDE FLANGE MEMBERS THAT ARE PART OF THE LATERAL FORCE RESISTING SYSTEM THAT HAVE FLANGE THICKNESS EXCEEDING 1 1/2 INCHES SHALL ALSO CONFORM.
3. PLATES THAT HAVE 2 INCH THICKNESS AND THICKER SHALL CONFORM TO **ASTM A6 SUPPLEMENTARY REQUIREMENT S5** CHARPY V-NOTCH IMPACT TEST. TEST SHALL MEET A MINIMUM AVERAGE VALUE OF 20 FT LB AT +70 DEG F.
4. FOR ANCHOR ROD REQUIREMENTS SEE CONCRETE SPECIFICATIONS.
5. WELDED THREADED STUDS, HEADED STUDS AND DEFORMED BAR ANCHORS

   A. WELDED THREADED STUDS MAY BE **ASTM A36** (Fy=36 KSI). EQUIVALENT DIAMETER "CFL FULLY THREADED NELSON STUDS" ARE ACCEPTABLE. NELSON STUDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATION USING A NELSON WELD GUN. ALL WELDS SHALL BE MADE AND INSPECTED IN ACCORDANCE WITH **AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (AWS D1.1/D1.1M:2015).**

   B. ALL WELDED THREADED STUDS SHALL BE "CJL REDUCED BASE THREADED STUDS" MANUFACTURED BY NELSON STUD WELDING, INC. STUDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS USING A NELSON WELD GUN, UNLESS NOTED OTHERWISE ON DETAILS. ALL WELDS SHALL BE MADE AND INSPECTED IN ACCORDANCE WITH **AWS D1.1/D1.1M:2015**.

   C. ALL WELDED HEADED STUDS SHALL BE "S3L SHEAR CONNECTORS" MANUFACTURED BY NELSON STUD WELDING, INC. ALL NELSON STUD ANCHORS SHALL BE 3/4" CONFORMING TO **ASTM A108** WITH FABRICATION AND INSTALLATION IN CONFORMANCE WITH **ICC ESR-2856 (REISSUED: JANUARY 2025)** USING A NELSON WELD GUN, UNLESS NOTED OTHERWISE ON DETAILS. ALL WELDS SHALL BE MADE AND INSPECTED IN ACCORDANCE WITH **AWS D1.1/D1.1M:2015**.

   D. ALL DEFORMED BAR ANCHORS SHALL BE "D2L DEFORMED BAR ANCHORS" MANUFACTURED BY NELSON STUD WELDING, INC. CONFORMING TO **ICC ESR-2907 (REISSUED: DECEMBER 2020)**. ALL DEFORMED BAR ANCHORS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS USING A NELSON WELD GUN, UNLESS NOTED OTHERWISE ON DETAILS. ALL WELDS SHALL BE MADE AND INSPECTED IN ACCORDANCE WITH **AWS D1.1/D1.1M:2015**.
6. ALL UNFINISHED NUTS AND BOLTS "MACHINE BOLTS" (M.B.) SHALL BE **ASTM A307** U.N.O.
7. WHERE HIGH STRENGTH STEEL BOLTS (H.S.B.) ARE INDICATED, ASSEMBLY SHALL COMPLY WITH THE SPECIFICATIONS FOR STRUCTURAL JOINTS AS ENDORSED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) AS FOLLOWS:

   A. ALL BOLTS SHALL CONFORM TO **ASTM F3125**.

   B. **GRADE A325-N**: ASSEMBLY SHALL COMPLY WITH REQUIREMENTS FOR SNUG-TIGHT "BEARING" TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE.

   C. **GRADE A490-N-SC** : ASSEMBLY SHALL COMPLY WITH REQUIREMENTS FOR SLIP CRITICAL (FRICTION) TYPE CONNECTIONS. INSTALLATION SHALL FOLLOW EITHER "CALIBRATED WRENCH METHOD" OR "DIRECT TENSION INDICATOR", "TURN OF NUT", OR "TWIST-OFF TYPE TENSION-CONTROL", FAYING SURFACE CONDITIONS MUST MEET AISC SPECIFICATIONS.

   D. **GRADE F1852** BOLTS (TWIST-OFF) MAY BE USED FOR **GRADE 325** BOLTS.

   E. **GRADE F2280** BOLTS (TWIST-OFF) MAYBE USED FOR **GRADE 490** BOLTS. **GRADE F2280** SHALL BE USED WHERE "TWIST-OFF" TYPE TENSION-CONTROL PRETENSIONING IS USED.
8. HOLES, COPES OR OTHER CUTS OR MODIFICATIONS OF THE STRUCTURAL STEEL MEMBERS SHALL NOT BE MADE IN THE FIELD WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
9. ALL BOLT HOLES IN STEEL SHALL BE PUNCHED OR DRILLED. NO TORCHING OF HOLES ALLOWED. HOLES SHALL BE 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER, U.N.O.
10. WELDING:

    A. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS USING THE SHIELDED ARC PROCESS AND IN ACCORDANCE WITH AWS STANDARDS. JOINT DETAILS SHALL COMPLY WITH AWS REQUIREMENTS FOR JOINTS ACCEPTED WITHOUT QUALIFICATION TESTS.

    B. ALL WELDS SHALL BE UNIFORM IN SIZE AND APPEARANCE, AND FREE OF PINHOLES, POROSITY, UNDERCUTTING OR OTHER DEFECTS. ALL BUTT WELDS SHALL BE FULL PENETRATION.

    C. NO WELDING PERMITTED ON MEMBERS SUPPORTING LOADS.

    D. WELD METAL SHALL HAVE A NOMINAL TENSILE STRENGTH OF 70,000 PSI.

    E. TYPICAL WELD FILLER MATERIAL SHALL HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT 0° F PER AWS D1.8 TABLE 6.1.

    F. DEMAND CRITICAL - ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE RESISTING SYSTEM SHALL BE CONSIDERED AS DEMAND CRITICAL AND SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 40 FT-LBS AT PLUS 70° F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION. SEE ELEVATION DRAWINGS FOR LOCATIONS OF THE LATERAL FORCE RESISTING SYSTEM.

    G. WHERE DEMAND CRITICAL WELDS HAVE FILLER METALS USED IN COMBINATION WITH FILLER METALS OF DIFFERENT PROCESSES (INTERMIX), PROVIDE CERTIFICATION OF CHARPY V-NOTCH COMPATIBILITY PER **AISC 341-16** & **AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE SEISMIC SUPPLEMENT (AWS D1.8/D1.8M:2016)**.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES, AND OTHER AIDES, WELDING PROCEDURES, REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, WELD EXTENSION TABS, COPES, SURFACE ROUGHNESS VALUES AND TAPERS OF UNEQUAL PARTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLIANCE WITH ALL CURRENT OSHA REQUIREMENTS.
12. ALL STEEL SHALL BE THOROUGHLY CLEANED, REMOVING ALL LOOSE MILL SCALE, GREASE, DIRT AND FOREIGN MATTER BY SCRAPING OR SANDBLASTING.
13. ALL STEEL TO BE GREY PRIMER COLOR. DO NOT SHOP PAINT TO THE FOLLOWING:

    A. SURFACES WHICH WILL BE ENCASED IN CONCRETE OR MORTAR. PAINT EMBEDDED STEEL WHICH IS PARTIALLY EXPOSED ON EXPOSED PORTIONS AND INITIAL TWO INCHES OF EMBEDDED PORTIONS ONLY.

    B. SURFACES WITHIN 2 INCHES OF JOINTS TO BE WELDED IN FIELD INCLUDING TOP FLANGES OF MEMBERS SUPPORTING STEEL DECKING WHICH ARE TO BE WELDED.
14. WHERE STRUCTURAL STEEL IS NOTED TO BE GALVANIZED, IT SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH **ASTM A123**, **ASTM A384**, AND **ASTM A385**. ALL SURFACES WITHIN TWO INCHES OF ANY FIELD WELD LOCATION SHALL BE FREE OF MATERIALS THAT WOULD PREVENT PROPER WELDING OF PRODUCE OBJECTIONABLE FUMES.
15. FIELD TOUCH-UP OF PRIMED, PAINTED, AND GALVANIZED SURFACES SHALL BE PERFORMED TO REPAIR COATING ABRASIONS, AS WELL AS TO PROTECT ALL AREAS AT CONNECTIONS.
16. FINAL PAINT AND COLOR FOR EXPOSED STEEL SHALL BE PER OWNER'S SPECIFICATION.
17. IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS OF SHOP PAINT. APPLY PRIMER TO EXPOSED AREAS WITH SAME MATERIAL AS USED FOR SHOP PRIMER.
18. U.N.O. AT ALL EXPOSED STEEL FRAMING, PROVIDE THE FOLLOWING ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) LEVEL OF FINISH PER AISC:

    A. STAIR FRAMING: AESS CATEGORY 4

    B. ALL OTHER: AESS CATEGORY 3
19. WHERE SELF-DRILLING-SCREWS (S.D.S.) ARE INDICATED FOR ATTACHMENT INTO STRUCTURAL STEEL, PROVIDE SCREWS WITH A #5 PT (POINT) DRILL BIT TIP SIZE OR TYPE OF DRILL POINT.

COLD FORMED STEEL FRAMING

1. ALL COLD FORMED STEEL STUDS, TRACKS AND JOIST 54 MIL (16 GAUGE) AND THICKER SHALL CONFORM TO **ASTM A-653**, GRADE 50, WITH A MINIMUM YIELD OF 50,000 PSI, AND A G60 COATING UNLESS NOTED OTHERWISE.
2. ALL COLD FORMED STEEL STUDS, TRACKS AND JOIST 43 MIL (18 GAUGE) AND LESS IN THICKNESS SHALL CONFORM TO **ASTM A-653**, GRADE 33, WITH A MINIMUM YIELD OF 33,000 PSI, AND A G60 COATING UNLESS NOTED OTHERWISE.
3. ALL COLD FORMED STEEL BRIDGING, END CLOSURES, AND ACCESSORIES SHALL CONFORM TO **ASTM A-611**, GRADE C, WITH A MINIMUM YIELD OF 33,000 PSI, UNLESS NOTED OTHERWISE.
4. FABRICATION AND ERECTION OF ALL COLD FORMED STEEL FRAMING MEMBERS SHALL CONFORM TO **AMERICAN IRON AND STEEL INSTITUTE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100-16(2020) w/ S2-20)** AND **AMERICAN IRON AND STEEL INSTITUTE NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURAL FRAMING (AISI S240-20)**.
5. ALL COLD FORMED STEEL PRODUCTS AND ACCESSORIES SUCH AS STUDS, TRACKS, JOISTS, AND MISCELLANEOUS COLD FORMED STEEL FRAMING MEMBERS DESIGNATED ON THESE DRAWINGS AND REQUIRED BY THE COLD FORMED STEEL MANUFACTURER SHALL BE MANUFACTURED BY THE CURRENT MEMBERS OF **STEEL STUD MANUFACTURERS ASSOCIATION (SSMA)** WITH **ICC-ES ESR-3064P AND CLARK DIETRICH BUILDING SYSTEMS ICC ESR-1166P**. DEEP LEG TRACKS (>2" FLANGE) SHALL BE BY **CLARK DIETRICH BUILDING SYSTEMS ICC ESR-1166P**, ALTERNATE COLD FORMED STEEL FRAMING SYSTEMS MAY BE SUBMITTED FOR APPROVAL CONSIDERATION TO THE DESIGNER WITH A CURRENT **ICC-ES** OR **IAPMO** REPORT.
6. WELDING OF ALL COLD FORMED STEEL FRAMING SHALL CONFORM TO **AWS D1.3/D1.3M:2008**. REFER TO "STRUCTURAL STEEL SPECIFICATIONS" FOR ADDITIONAL WELDING REQUIREMENTS. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH ZINC-RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT.
7. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS, OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.
8. FRAMING COMPONENTS MAY BE PRE-ASSEMBLED INTO PANELS PRIOR TO ERECTION. PREFABRICATED PANELS SHALL HAVE COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING OF THE PANEL AND TO PREVENT DISTORTION IN ANY MEMBER WHILE LIFTING AND TRANSPORTING.
9. TRACKS SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE AS SHOWN ON THE DRAWINGS. AT TRACK BUTT JOINTS, ABUTTING PIECES OF TRACK SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, OR THEY SHALL BE BUTT-WELDED OR SPLICED TOGETHER.
10. FOR TRACK CONNECTIONS AT INTERIOR NON-BEARING, NON-SHEAR WALLS, APPROVED POWER ACTUATED FASTENERS MAY BE USED, SEE DETAIL 4/S004

    INSTALL IN ACCORDANCE WITH THE DRAWINGS, THE MANUFACTURER'S RECOMMENDATIONS AND ICC-ES APPROVALS. A 5/8"Ø x 10" HEX HEAD ANCHOR BOLTS @ 32" O.C. MAY BE USED IN LIEU OF A POWER DRIVEN FASTENER. SEE TYPICAL DETAIL 5/S004
11. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO THE FLANGE OR WEBS OF BOTH UPPER AND LOWER TRACKS, U.N.O.
12. WALL STUD BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRIDGING ROWS SHALL BE SPACED ACCORDING TO THE COLD FORMED STEEL MANUFACTURER'S REQUIREMENTS, BUT NOT GREATER THAN 4'-0" ON CENTER. BRIDGING SHALL BE IN PLACE PRIOR TO INSTALLING SHEATHING OR OTHER HANGING/BEARING ITEMS ON CEILING JOISTS.
13. TEMPORARY BRACING OF ALL WALL PANELS SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.
14. ALL MEMBER TO MEMBER CONNECTIONS SHALL BE CONNECTED WITH MINIMUM (2) #10 SCREWS WITH 7/16" DIAMETER PAN WASHER HEADS BY 1/2" LONG, UNLESS NOTED OTHERWISE.
15. SPLICES IN AXIALLY LOADED STUDS SHALL NOT BE PERMITTED.
16. WEB STIFFENERS SHALL BE PROVIDED AT REACTION POINTS AND/OR POINTS OF CONCENTRATED LOADS WHERE INDICATED ON THE DRAWINGS.
17. JOIST BRIDGING SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS. BRIDGING SHALL BE IN PLACE PRIOR TO PLACING LOADS.
18. END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
19. FASTENERS THROUGH FIRE TREATED SHEATHING SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED. STEEL, STAINLESS, OR SILICONE BRONZE. FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS, & LAG SCREWS SHALL BE PERMITTED TO BE MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH **ASTM B695, CLASS 55** MIN. VERIFY WITH SHEATHING MANUFACTURER.
20. ALL SLIP CONNECTIONS, "VERTICLIP", "DRIFTCLIP", & "DRIFT TRAK" SHALL BE MANUFACTURED BY THE STEEL NETWORK, INSTALLED PER MFR. GUIDELINES AND CONFORM TO **ICC ESR 2049 (REISSUED: DECEMBER 2024)**.

STEEL DECK NOTES

1. STEEL DECKING SHALL BE AS INDICATED ON PLANS. FOR ADDL. INFORMATION SEE DETAILS 2/S007 & 2/S009
2. DECK PANELS SHALL SPAN OVER THREE SUPPORTS WHERE STRUCTURAL STEEL FRAMING PERMITS. FLOOR DECK SUPPORTING CONCRETE FILL MUST SPAN OVER THREE SUPPORTS FOR THE OMISSION OF SHORING. DECK PANELS SHALL INCLUDE ALL ACCESSORIES FOR THIS TYPE OF DECKING; SUCH AS CLOSURE, FLASHING, EDGE FORMS, ETC. TO COMPLETE THE INSTALLATION OF THE STEEL DECK. PANELS SHALL BE ALIGNED AND PLACED IN ACCORDANCE WITH THE MANUFACTURER'S ICC-ES OR IAPMO-ES REPORT AND THESE DRAWINGS.
3. OPENINGS IN THE STEEL DECKING SUPPORTING CONCRETE FILL CUTTING NO MORE THAN ONE FLUTE AND LESS THAN 6" IN DIAMETER NEED NO REINFORCING. FOR OPENING EXCEEDING THIS LIMITATION, SEE TYPICAL DETAILS.
4. FOR NELSON STUD ANCHOR REQUIREMENTS SEE STRUCTURAL STEEL SPECIFICATIONS.
5. WELDING SHALL CONFORM TO **AWS D1.1/D1.1M:2015** AND **AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE SHEET STEEL (AWS D1.3/D1.3M:2008)**. SEE STRUCTURAL STEEL SPECIFICATIONS FOR ADDITIONAL WELDING REQUIREMENTS.
6. ENDS OF STEEL DECKING PANELS SHALL BUTT OVER SUPPORTS (NO LAP, U.N.O.). DECK SHALL BEAR 2" MINIMUM ON SUPPORTING FRAMEWORK.
7. THE STEEL DECKING SHALL BE CLEANED OF ALL DIRT, DEBRIS, OIL, WATER AND ANY FOREIGN MATERIAL PRIOR TO APPLICATION OF CONCRETE.
8. APPROVED SHOP DRAWINGS SHOWING LAYOUT AND FASTENING PATTERN MUST BE ON THE JOB SITE FOR INSPECTION PURPOSES.

POWER ACTUATED FASTENERS

1. POWER ACTUATED FASTENERS (PAF) SPECIFIED IN THESE DRAWINGS SHALL BE AS FOLLOWS:

COLD FORMED STEEL TO CONCRETE:	HILTI X-U	(0.157"Ø)
COLD FORMED STEEL TO STRUCT. STEEL:	HILTI X-U 15	(0.145"Ø)
2. POWER ACTUATED FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS, MANUFACTURER'S RECOMMENDATIONS, AND **ICC ESR-2269 REPORT**.
3. CONCRETE APPLICATIONS: POWER ACTUATED FASTENERS SHALL NOT BE INSTALLED PRIOR TO CONCRETE ATTAINING FULL STRENGTH AS SPECIFIED IN THESE DRAWINGS. MINIMUM SPACING BETWEEN FASTENERS MUST BE 4 INCHES, MINIMUM EDGE DISTANCE MUST BE 3 INCHES, AND MINIMUM EMBEDMENT MUST BE 1 1/4 INCHES, UNLESS NOTED OTHERWISE.
4. STRUCT. STEEL APPLICATIONS: POWER ACTUATED FASTENERS MUST BE DRIVEN TO WHERE THE POINT OF THE FASTENER PENETRATES THROUGH THE STEEL BASE MATERIAL UNLESS NOTED OTHERWISE. MINIMUM SPACING BETWEEN FASTENERS MUST BE 1 INCH AND MINIMUM EDGE DISTANCE MUST BE 1/2 INCH.

STRUCTURAL OBSERVATION PROGRAM

1. STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE STRUCTURAL OBSERVATION PER **CBC 1704A.6**. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER 48 HOURS PRIOR TO COMPLETION OF THE FOLLOWING TO ARRANGE FOR PERIODIC OBSERVATION:

   A. FOUNDATION AND SLAB REINFORCING PRIOR TO PLACEMENT OF CONCRETE.

   B. STRUCTURAL STEEL FRAMING PRIOR TO PLACEMENT OF CONCRETE FILL AND PRIOR TO COVERING BEHIND ARCHITECTURAL FINISHES.

   C. FLOOR DECK WELDING PRIOR TO PLACEMENT OF CONCRETE FILL.

   D. FLOOR DECK REINFORCING AND STUD PLACEMENT ON BEAMS PRIOR TO PLACEMENT OF CONCRETE FILL.

   E. ROOF DECK FASTENING, WELDING, STRAPPING AND WALL ANCHORAGE PRIOR TO PLACEMENT OF ROOFING.

   F. COLD FORMED STEEL FRAMING BEFORE SHEATHING IS INSTALLED.
2. OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR, AND BUILDING OFFICIAL. THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES WHICH, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED. THE STRUCTURAL OBSERVER SHALL MAKE ADDITIONAL SITE VISITS AS NECESSARY TO VERIFY THAT ALL REPORTED DEFICIENCIES HAVE BEEN SATISFACTORILY CORRECTED.

SPECIAL INSPECTION

1. IN ACCORDANCE WITH **CAC AND CBC**, **SECTION 1704A**, AND **SECTION 1705A**, OWNER SHALL EMPLOY AN INDEPENDENT AGENCY TO PERFORM REQUIRED TESTS AND SPECIAL INSPECTIONS DURING CONSTRUCTION PER THE REQUIREMENTS OF **CBC CHAPTER 17A**, THE DIVISION OF THE STATE ARCHITECTS, AND THE CONTRACT DOCUMENTS.
2. TESTING AND SPECIAL INSPECTION REPORTS SHALL BE PREPARED FOR EACH INSPECTION ITEM ON A DAILY BASIS WHENEVER WORK IS PERFORMED ON THAT ITEM FOLLOWING THE CONTINUOUS OR PERIODIC REQUIREMENTS SPECIFIED.
3. REPORTS SHALL INDICATE WHETHER THE WORK INSPECTED WAS DONE IN CONFORMANCE OR NONCONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. NONCONFORMITIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. CORRECTION IS REVISION/REPLACEMENT IN CONFORMANCE WITH THE DSA APPROVED CONSTRUCTION DOCUMENTS OR A CCD APPROVED BY DSA. IF NOT CORRECTED, THE NONCONFORMITIES SHALL BE BROUGHT TO THE ATTENTION OF THE DIVISION OF THE STATE ARCHITECTS AND THE ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTION AND CORRECTION OF NONCONFORMITIES SHALL BE SUBMITTED UPON COMPLETION OF WORK.
4. TESTING AND SPECIAL INSPECTION REPORTS SHALL BE DISTRIBUTED TO OWNER, CONTRACTOR, THE DIVISION OF THE STATE ARCHITECT, ARCHITECT AND STRUCTURAL ENGINEER.
5. TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED ON THE ITEMS INDICATED IN THE PROJECT MANUAL AND FORM **DSA-103 STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS**.

SUBMITTAL/SPECIAL CONDITIONS

1. PRIOR TO COMMENCEMENT OF EXCAVATION FOR FOUNDATIONS (AT LEAST 48 HOURS) THE CONTRACTOR IS TO CONTACT THE GEOTECHNICAL ENGINEER, WHO IS TO ADVISE THE BUILDING OFFICIAL IN WRITING THAT: THE BUILDING PAD WAS PREPARED AND COMPACTED IN ACCORDANCE WITH THE SOILS REPORT RECOMMENDATIONS. ADDITIONALLY THAT THE FOUNDATION GRADING WAS PERFORMED IN CONFORMANCE WITH THE SOILS REPORT RECOMMENDATIONS AND APPROVED PLANS. A COPY OF THE REPORT SHALL BE GIVEN TO THE STRUCTURAL ENGINEER OF RECORD.
2. PRIOR TO REQUESTING A FOUNDATION INSPECTION (AT LEAST 48 HOURS) THE CONTRACTOR IS TO CONTACT THE GEOTECHNICAL ENGINEER, WHO IS TO ADVISE THE BUILDING OFFICIAL IN WRITING THAT: THE BUILDING FOUNDATION FOOTING EXCAVATION DEPTH, BACKFILL MATERIALS AND DRAINAGE SUBSTANTIALLY CONFORMS WITH THE SOILS REPORT RECOMMENDATIONS AND APPROVED PLANS. A COPY OF THE REPORT SHALL BE GIVEN TO THE STRUCTURAL ENGINEER OF RECORD.
3. SPECIAL INSPECTION REPORTS ARE TO BE SUBMITTED DIRECTLY TO THE ENFORCEMENT AGENCY PER **CBC SEC. 1704A.2.4** (WITH COPIES TO STRUCTURAL ENGINEER OF RECORD, GENERAL CONTRACTOR AND OWNER).
4. PROJECT INSPECTOR SHALL BE DSA CERTIFIED ACCORDING TO PART 1, 4-333.1. SPECIAL INSPECTOR SHALL BE DSA APPROVED ACCORDING TO PART 1, 4-335 (f).
5. THE FOLLOWING SHOP DRAWINGS/SUBMITTALS SHALL BE PROVIDED FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION OR DELIVERY.

   A. CONCRETE MIX DESIGN
   B. REINFORCING STEEL
   C. STRUCTURAL STEEL
   D. MASONRY (GROUT MIX & BLOCK STRENGTH)
   E. MASONRY REINFORCING STEEL
   F. METAL DECK
   G. COLD FORMED METAL FRAMING & ACCESSORIES
   H. MISCELLANEOUS STEEL
   I. CONDUIT EMBEDDED IN CONCRETE
   J. CONTRACTORS STATEMENT OF RESPONSIBILITY
6. PRODUCT SUBSTITUTIONS MAY BE ALLOWED ONLY IF THEY MEET THE REQUIREMENTS OF THESE SHEET SPECIFICATION AND THE PROJECT MANUAL, AND IF COMPLETE WRITTEN ENGINEERING DATA FOR EACH CONDITION REQUIRED FOR THIS PROJECT IS PROVIDED TO THE STRUCTURAL ENGINEER OF RECORD TWO WEEKS PRIOR TO BID DATE AND APPROVED IN WRITTEN ADDENDA BY THE ARCHITECT. DATA IS TO INDICATE CODE BASIS BY YEAR, AUTHORITY FOR STRESSES AND STRESS INCREASES , IF ANY, AND AMOUNT OF EXPECTED DEFLECTION FOR FLEXURAL MEMBERS UNDER (1) TOTAL LOAD AND (2) LIVE LOAD ONLY. ALL INCREASED COSTS IN MECHANICAL, SPRINKLER, ELECTRICAL OR GENERAL INSTALLATION AND ANY ARCHITECTURAL OR STRUCTURAL REDESIGN RESULTING FROM SUBSTITUTION SHALL BE BORNE BY THE GENERAL CONTRACTOR.
7. SUBSTITUTIONS AFFECTING STRUCTURAL SAFETY, FIRE AND LIFE SAFETY OR ACCESS COMPLIANCE SHALL BE APPROVED BY DSA PRIOR TO FABRICATIONS OR USE.

CONTRACTOR RESPONSIBILITY

1. CONTRACTOR RESPONSIBILITY - **CBC 2022 SECTION 1704A.4**: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC- FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS (**CBC SECTION 1704A.3**) SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.

ABBREVIATIONS

&	AND	JST.	JOIST
L	ANGLE	JT.	JOINT
@	AT		
C.L.	CENTERLINE		
Ø	DIAMETER OR ROUND	K.O.	KNOCK OUT
//	PARALLEL	K.O.P.	KNOCK OUT PANEL
⊥	PERPENDICULAR		
PL.	PLATE		
#	POUND OR NUMBER	LB(S)	POUND (POUNDS)
(C=)	CAMBER	L.F.	LINEAL FOOT
(E)	EXISTING	LFRS	LATERAL FORCE RESISTING SYSTEM
(N)	NEW	L.H.	LEFT HAND
5 PT.	#5 DRILL POINT	LL	LIVE LOAD
		LLH	LONG LEG HORIZ.
		LLV	LONG LEG VERT.
A.B.	ANCHOR BOLT	LOC.	LOCATION
ABV.	ABOVE	LSL	LAMINATED STRAND LUMBER
ADDL.	ADDITIONAL	LT.WT.	LIGHT WEIGHT
ADJC.	ADJACENT	LVL	LAMINATED VENEER LUMBER
A.F.F.	ABOVE FINISH FLOOR		
A.F.G.	ABOVE FINISH GRADE	MACH.	MACHINE
AGG.	AGGREGATE	MAINT.	MAINTENANCE
ALT.	ALTERNATE	MAX.	MAXIMUM
ALUM.	ALUMINUM	M.B.	MACHINE BOLT
APPROX.	APPROXIMATE	M.B.M.	METAL BUILDING MFR.
ARCH.	ARCHITECT(URAL)	MECH.	MECHANICAL
		MED.	MEDIUM
		MEMB.	MEMBRANE
BEL.	BELOW	MET.	METAL
BLDG.	BUILDING	MEZZ.	MEZZANINE
BLK.	BLOCK	M.F.	MOMENT FRAME
BLKG.	BLOCKING	MFR.	MANUFACTURER
BM.	BEAM	MIL	MILLIMETER
B.F.	BOUNDARY FASTENING	MIN.	MINIMUM
B.O.D.	BOTTOM OF DECK	MISC.	MISCELLANEOUS
B.O.F.	BOTTOM OF FOOTING	MPH	MILES PER HOUR
BOT.	BOTTOM	MTL	METAL
BRG.	BEARING		
BTWN.	BETWEEN	N	NORTH
B.U.	BUILT-UP	N.I.C.	NOT IN CONTRACT
		NO.	NUMBER
CANT.	CANTILEVER	NOM.	NOMINAL
CAT.	CATEGORY	NS	NEAR SIDE
C.F.	CUBIC FOOT	N.T.S.	NOT TO SCALE
C.J.	CONSTRUCTION JOINT/ CONTROL JOINT	N.W.	NORMAL WEIGHT
C.L.	CENTER LINE		
CLG.	CEILING	O/	OVER
CLR.	CLEAR/CLEARANCE	O.C.	ON CENTER
CMU	CONCRETE MASONRY UNIT	O.D.	OUTSIDE DIAMETER/DIM.
COL.	COLUMN	OFOW	OUTSIDE FACE OF WALL
CONC.	CONCRETE	O.H.	OPPOSITE HAND
CONN.	CONNECTION	O.H.M.S.	OVAL HEAD MACH. SCREW
CONST.	CONSTRUCTION	O.H.W.S.	OVAL HEAD WOOD SCREW
CONT.	CONTINUOUS	OPNG.	OPENING
CONTR.	CONTRACTOR	OPP	OPPOSITE
COORD.	COORDINATION	ORIG.	ORIGINAL
CJP	COMPLETE JOINT PENETRATION	OVHD	OVER HEAD
C.T.C.	CENTER TO CENTER	OWSJ	OPEN WEB STEEL JOIST
CTR.	CENTER		
CTRD.	CENTERED		
CTSK	COUNTERSUNK	P.A.F.	POWER ACTUATED FASTENER
CU.	CUBIC	PERP.	PERPENDICULAR
C.Y.	CUBIC YARD	PL.	PLATE
		PLY.	PLYWOOD
DBL.	DOUBLE	PJP	PARTIAL JOINT PENETRATION
DBLR.	DOUBLER	PSF	POUNDS PER SQUARE FOOT
DEMO	DEMOLISH / DEMOLITION	PSI	POUNDS PER SQUARE INCH
DET.	DETAIL	PSL	PARALLEL STRAND LUMBER
D.F.	DOUGLAS FIR	PT.	POINT
DIA.	DIAMETER	P.T.	POST TENSION
DIAG.	DIAGONAL	P.T.D.F.	PRESSURE TREATED

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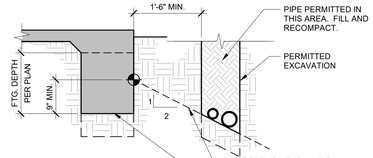
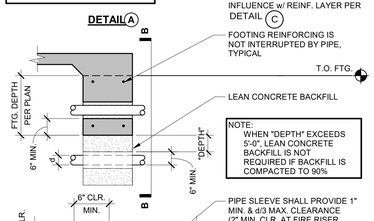


DETAIL A



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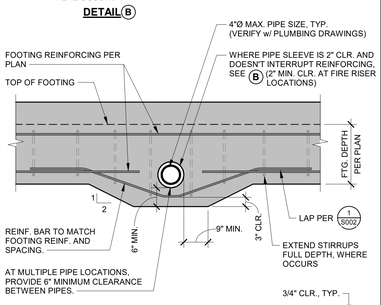

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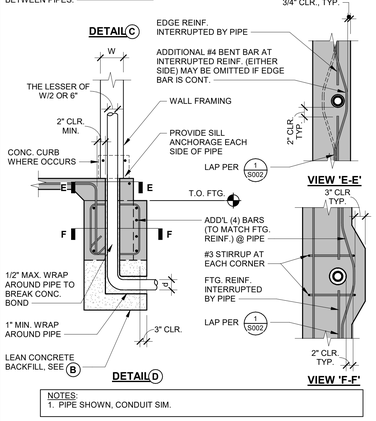
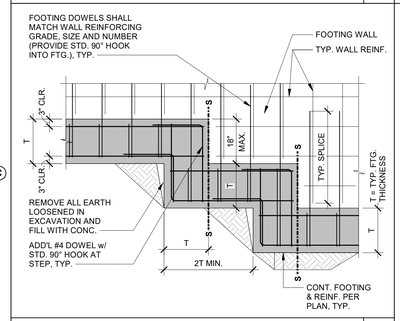


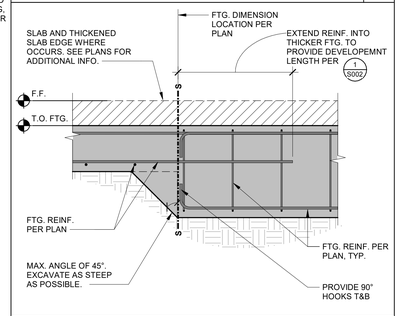
DETAIL D

NOTES:
1. PIPE SHOWN, CONDUIT SIM.

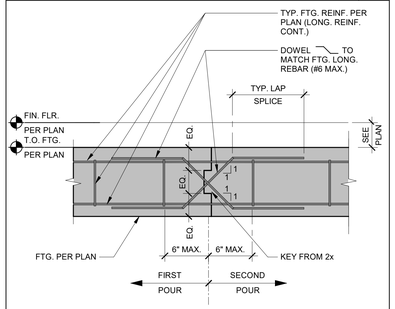
PIPES AT FOOTINGS N.T.S. 20



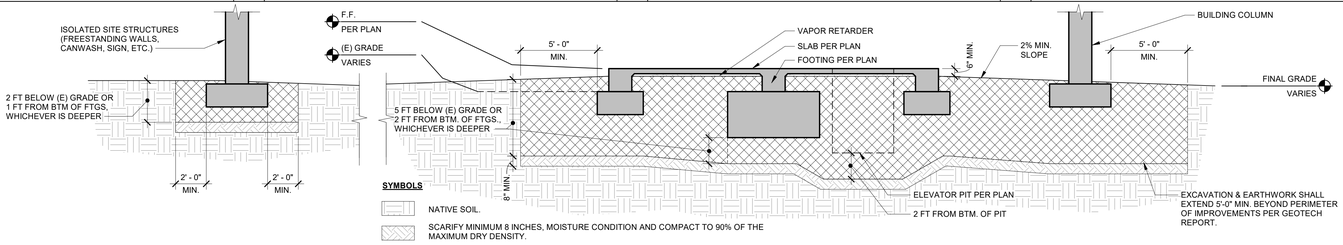
STEP IN WALL CONT. FTG. N.T.S. 12



STEPPED BOTTOM FOOTING N.T.S. 13



FOOTING CONSTRUCTION N.T.S. 14

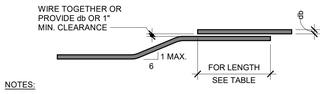


NOTE: VERIFY EXISTING GRADE, FINISHED FLOOR AND FINAL GRADE ELEVATIONS WITH CIVIL AND/OR FOUNDATION PLANS. VERIFY GEOTECHNICAL RECOMMENDATIONS WITH REPORT NUMBER LISTED IN S000 GENERAL NOTES.

SOIL PREPARATION AT FOUNDATIONS & FLOOR SLABS N.T.S. 15

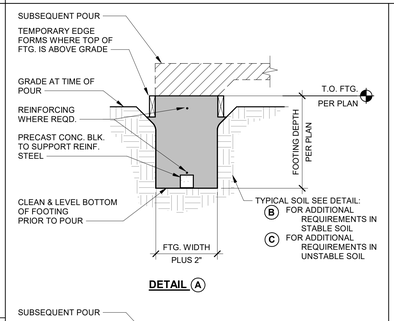
CONCRETE					
REINFORCING BAR SPLICE LENGTH - GRADE 60					
BAR #	CONC. f'c = 4,000 psi				L_{dh} [7,8,9]
	SPLICE [4,8,9,10]		DEVELOPMENT [6]		
	TOP [3]	OTHER [3]	TOP [3]	OTHER [3]	
#3	26"	20"	20"	15"	6"
#4	33"	25"	25"	19"	7"
#5	42"	32"	32"	24"	9"
#6	50"	38"	38"	29"	10"
#7	72"	55"	55"	42"	12"
#8	82"	63"	63"	48"	14"
#9	93"	71"	71"	54"	15"
#10	104"	80"	80"	61"	17"
#11	115"	88"	88"	67"	19"
#14	NP	NP	106"	81"	33"
#18	NP	NP	141"	108"	43"

* NP: NOT PERMITTED

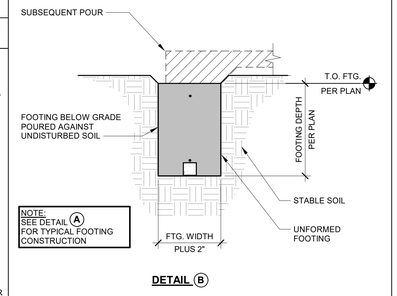


NOTES:
1. SPLICE LENGTHS ARE GIVEN FOR CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH LISTED AT 28 DAYS.
2. TOP BARS ARE STRAIGHT HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE BELOW. OTHER BARS ARE STRAIGHT BOTTOM OR STRAIGHT VERTICAL BARS.
3. SCHEDULE IS FOR 60,000 psi GRADE STEEL.
4. SCHEDULE IS FOR HARDROCK CONCRETE
5. HOOKED BARS ARE VERTICAL OR HORIZONTAL BARS TERMINATING WITH STANDARD HOOKS THAT COMPLY WITH DETAIL 3/S002
6. CLEAR SPACING BETWEEN BARS BEING SPLICED OR DEVELOPED SHALL BE 2 BAR DIAMETERS (MIN.).
7. CONCRETE CLEAR COVER OVER BARS BEING DEVELOPED SHALL BE 1 BAR DIAMETER (MIN.).
8. WHEN SPLICING TWO BARS OF DIFFERING DIAMETER, THE SPLICE LENGTH FOR THE LARGER BAR SHALL GOVERN.

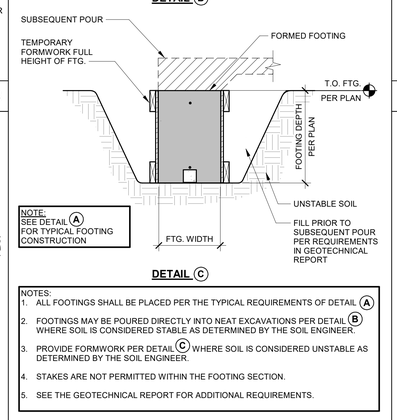
REINF. BAR SPLICE FOR CONC. N.T.S. 1



DETAIL A



DETAIL B

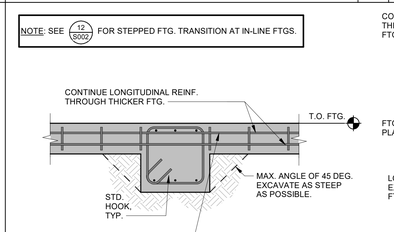


DETAIL C

NOTES:
1. ALL FOOTINGS SHALL BE PLACED PER THE TYPICAL REQUIREMENTS OF DETAIL A
2. FOOTINGS MAY BE POURED DIRECTLY INTO NEAT EXCAVATIONS PER DETAIL B WHERE SOIL IS CONSIDERED STABLE AS DETERMINED BY THE SOIL ENGINEER.
3. PROVIDE FORMWORK PER DETAIL C WHERE SOIL IS CONSIDERED UNSTABLE AS DETERMINED BY THE SOIL ENGINEER.
4. STAKES ARE NOT PERMITTED WITHIN THE FOOTING SECTION.
5. SEE THE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

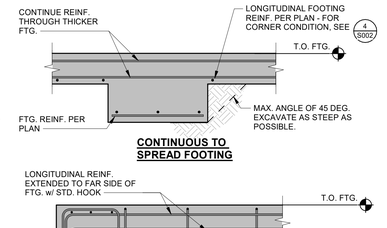
FOUNDATION FORMWORK N.T.S. 9

NOTE: SEE 12/S002 FOR STEPPED FTG. TRANSITION AT IN-LINE FTGS.



"T" INTERSECTION

NOTE: DIFFERENT DEPTHS SHOWN, SAME DEPTH SIMILAR

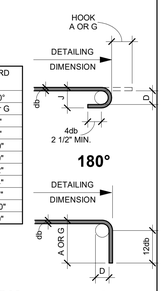


"L" INTERSECTION

NOTE: DIFFERENT DEPTHS SHOWN, SAME DEPTH SIMILAR

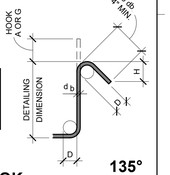
REINF. @ ADJACENT FTG. N.T.S. 5

BAR SIZE "db"	D	DIMENSIONS OF STANDARD HOOKS ALL GRADES			
		180°		90°	
		A or G	J	A or G	
#3	2 1/4"	5"	3"	6"	
#4	3"	6"	4"	8"	
#5	3 3/4"	7"	5"	10"	
#6	4 1/2"	8"	6"	1'-0"	
#7	5 1/4"	10"	7"	1'-2"	
#8	6"	11"	8"	1'-4"	
#9	9 1/2"	1'-3"	11 3/4"	17"	
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"	
#11	12"	1'-7"	1'-2 3/4"	2'-0"	



STANDARD HOOK

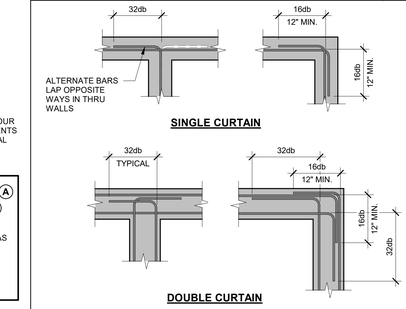
BAR SIZE	D "db"	135° SEISMIC HOOK	
		A or G	APPROX. H
#3	1 1/2"	5"	3 3/4"
#4	2"	5 1/2"	4"
#5	2 1/2"	6"	4 1/4"



STIRRUP w/ HOOK

NOTES:
1. 135-DEG COLUMN TIE HOOKS MAY NOT BE BENT TO LESS DIAMETER OF VERTICAL BAR ENCLOSED IN HOOK.
2. INSIDE DIAMETER OF BENDS IN WELDED WIRE FABRIC, PLAIN OR DEFORMED, FOR STIRRUPS AND TIES SHALL BE AT LEAST FOUR WIRE DIAMETERS FOR WIRE LARGER THAN D6 OR W6 AND TWO WIRE DIAMETERS FOR ALL OTHER WIRES. BENDS WITH INSIDE DIAMETER OF LESS THAN EIGHT WIRE DIAMETER SHALL BE LESS THAN FOUR DIAMETERS FROM THE NEAREST WELD INTERSECTION.

HOOK AND STIRRUP N.T.S. 3



REINF. @ FOOTING INTERSECTION N.T.S. 4

MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

REGISTERED PROFESSIONAL ENGINEER * MECHANICAL * No. 57843 * STATE OF CALIFORNIA

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

PROJECT NO.
23-12499

DRAWING TITLE
TYPICAL DETAILS - FOUNDATION

DRAWING
S002

PLOT DATE: 8/17/2026 11:28:56 AM

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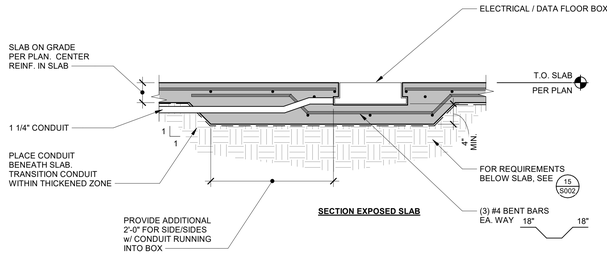
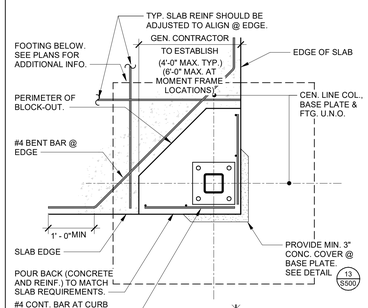
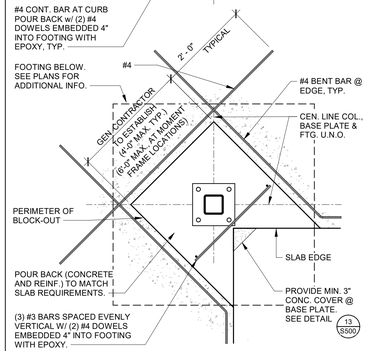
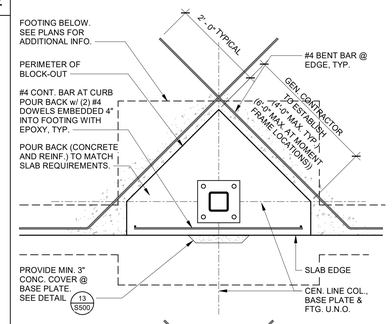


FLOOR BOX AT SLAB ON GRADE

1" = 1'-0" | 12

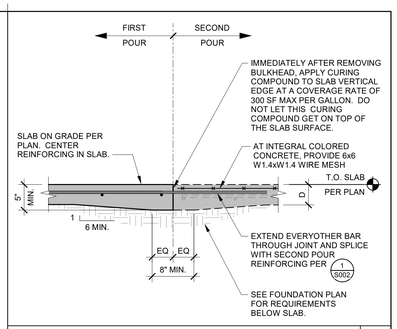






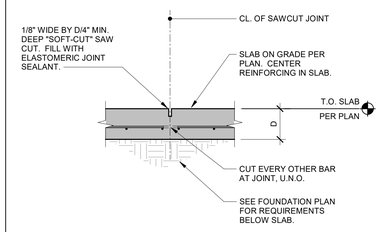
SLAB BLOCKOUT

N.T.S. | 9



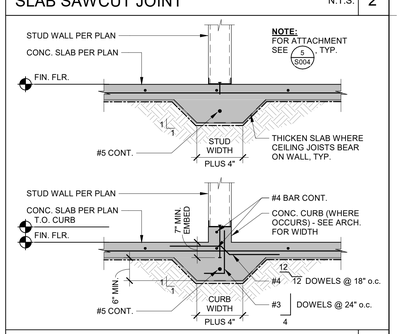
SLAB CONSTRUCTION JOINT

N.T.S. | 1



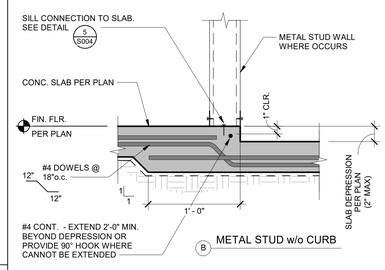
SLAB SAWCUT JOINT

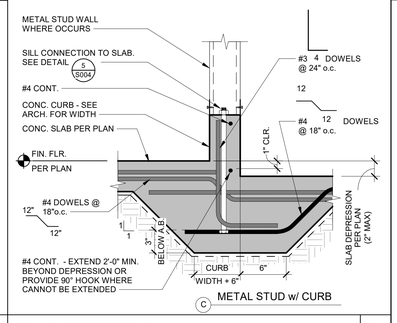
N.T.S. | 2

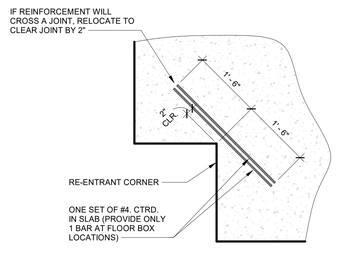


INT. NON-BEARING WALL

N.T.S. | 3

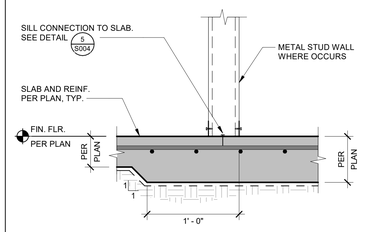






RE-ENTRANT CORNER

N.T.S. | 14



SLAB TRANSITION

N.T.S. | 10

SLAB DEPRESSION

N.T.S. | 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
BRIAN CHANG
No. S7543
STRUCTURAL
STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
TYPICAL DETAILS - FOUNDATION

PROJECT NO.
23-12499

DRAWING
S003

PLOT DATE: 8/17/2026 11:28:57 AM

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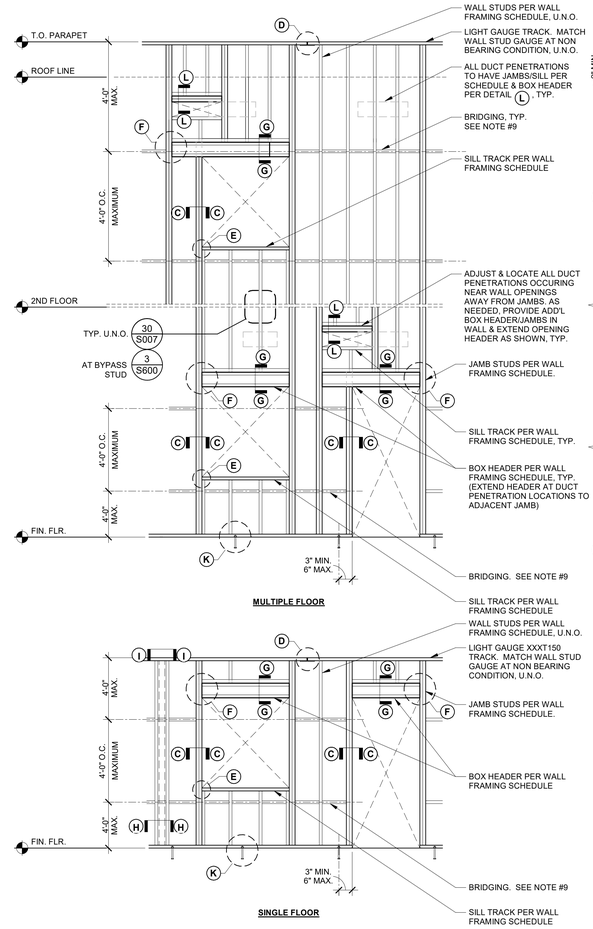
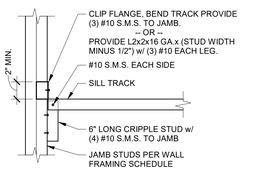
WALL FRAMING SCHEDULE (14)

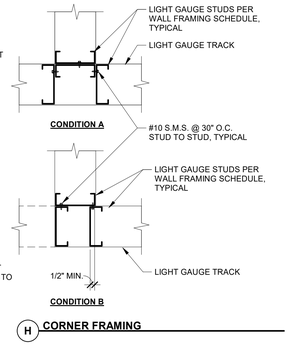
	WALL TYPE		WALL HEIGHT	WALL STUDS	OPENING WIDTH	BOX HEADER (15)		JAMB STUDS		OPENING SILL TRACK	NO. #10 S.M.S. AT HEADER HANGER
						DBL. JOIST	TRACK	DOUBLE	SINGLE		
EXTERIOR	"A"	8" STUD	FIN. FLR. TO 2ND FLR. HT.	800S162-43 @ 16" o.c.	0'-0" TO 6'-0"	800S162-54	800T125-43	(2) 800S162-43	800S250-68	800T125-43	(8)
					6'-1" TO 12'-0"	800S250-68	8600T125-54	(2) 800S200-54	800S250-97	800T125-54	(16)
	"B"	8" STUD	FIN. FLR. TO 2ND FLR. HT. + "H"	800S162-54 @ 16" o.c.	0'-0" TO 6'-0"	800S162-54	800T125-43	(2) 800S162-43	800S200-54	800T125-43	(8)
					6'-1" TO 12'-0"	800S250-97	800T125-54	(2) 800S162-43	800S200-54	800T125-54	(16)
	"C"	8" STUD	FIN. FLR. TO 2ND FLR. HT. + "H"	800S250-68 @ 16" o.c.	0'-0" TO 6'-0"	800S250-68	800T125-54	(2) 800S200-54	800S250-97	800T125-43	(8)
					6'-1" TO 12'-0"	800S250-97	800T125-97	(2) 800S200-54	800S250-97	800T125-54	(16)
	"D"	8" STUD	2ND FLR. TO ROOF HT. + "H"	800S200-43 @ 16" o.c.	0'-0" TO 6'-0"	800S162-43	800T125-43	(2) 800S162-43	800S200-54	800T125-43	(8)
					6'-1" TO 12'-0"	800S250-97	800T125-54	(2) 800S162-54	800S250-68	800T125-54	(16)
	"E"	8" STUD	2ND FLR. TO ROOF HT. + "H"	800S250-68 @ 16" o.c.	0'-0" TO 6'-0"	800S250-68	800T125-54	(2) 800S200-54	800S250-97	800T125-43	(8)
					6'-1" TO 12'-0"	800S250-97	800T125-97	(2) 800S200-54	800S250-97	800T125-54	(16)
	"F"	8" STUD	FIN. FLR. TO ROOF HT. + "H"	800S200-43 @ 16" o.c.	0'-0" TO 6'-0"	800S162-54	800T125-54	(2) 800S162-54	800S200-54	800T125-43	(8)
					6'-1" TO 12'-0"	800S250-97	800T125-97	(2) 800S200-54	800S250-97	800T125-54	(16)
INTERIOR	HEIGHT 0'-0" TO 17'-0"	4" STUD	FIN. FLR. TO 2ND FLR. AND 2ND TO ROOF (FULL HEIGHT MAX.)	400S162-33 @ 16" o.c.	0'-0" TO 6'-0"	400S162-33	400T125-33	(2) 400S162-33	400S200-43	400T125-33	(8)
					6'-1" TO 12'-0"	400S200-54	400T125-33	(2) 400S162-43	400S350-54	400T125-33	(16)
		6" STUD		600S162-33 @ 16" o.c.	0'-0" TO 6'-0"	600S162-33	600T125-33	(2) 600S162-33	600S162-33	600T125-33	(8)
					6'-1" TO 12'-0"	600S162-54	600T125-43	(2) 600S162-33	600S200-54	600T125-43	(16)
					12'-1" TO 20'-0"	800S250-97	600T125-54	(2) 600S162-43	600S200-68	600T125-54	(20)
		8" STUD		800S162-33 @ 16" o.c.	0'-0" TO 6'-0"	800S162-43	800T125-43	(2) 800S162-33	800S162-33	800T125-43	(8)
					6'-1" TO 12'-0"	800S162-54	800T125-43	(2) 800S162-33	800S200-43	800T125-43	(16)
		10" STUD		1000S162-43 @ 16" o.c.	----	----	----	----	----	----	----



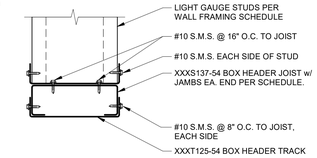
B **TYPICAL WALL ELEVATION**



E **SILL CONNECTION**

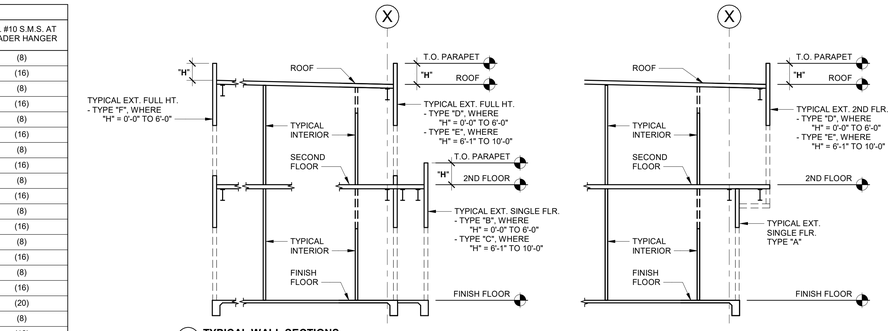


H **CORNER FRAMING**

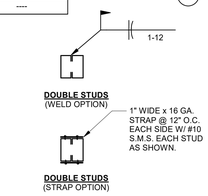


NOTES:
1. APPLICABLE AT DUCT AND PIPE PENETRATIONS IN WALL UPTO 48" WIDE WITH ENDS TO JAMBS PER DETAIL F SIM.
2. FOR DUCT AND PIPE PENETRATIONS IN WALL LARGER THAT 48" WIDE, PROVIDE BOX HEADER PER DETAIL G
3. FOR DUCT AND PIPE PENETRATIONS UPTO 16" WIDE BTWN. STUDS, PROVIDE BLKG. T&B PER DETAIL 10 S005

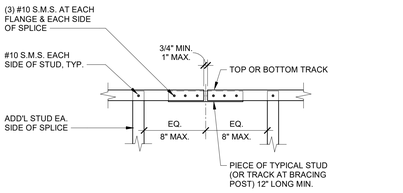
L **PENETRATION BOX HEADER**



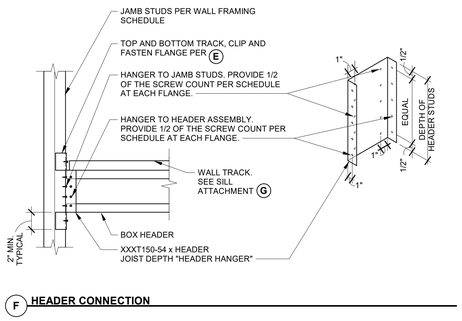
A **TYPICAL WALL SECTIONS**



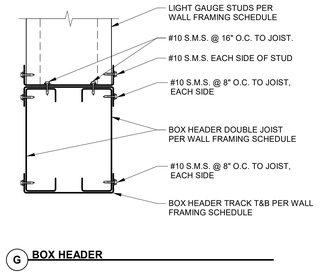
C **JAMB STUDS**



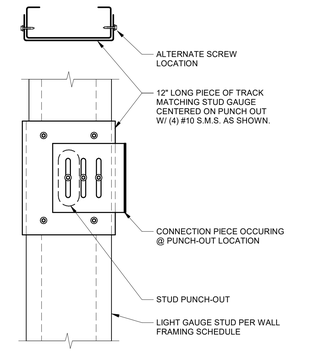
D **TRACK SPLICE & STUD TO TRACK**



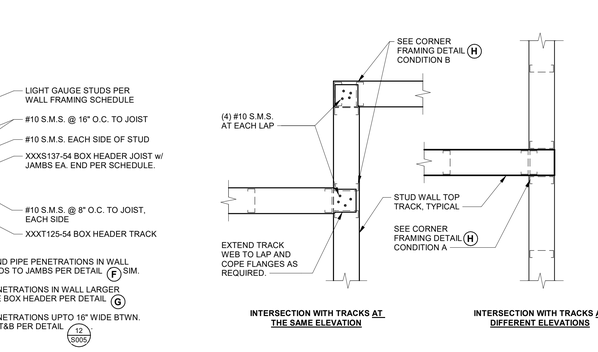
F **HEADER CONNECTION**



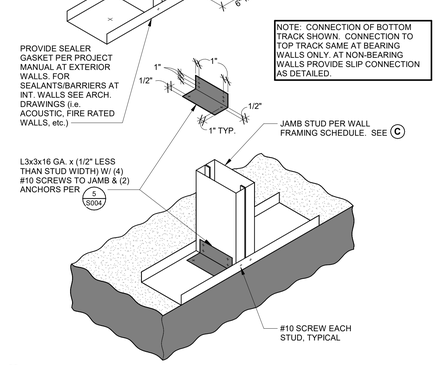
G **BOX HEADER**



J **CONNECTION AT STUD PUNCH-OUT**



I **TOP TRACK INTERSECTION**



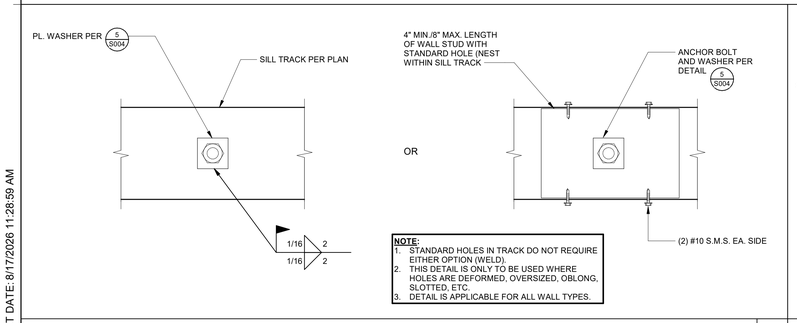
K **SILL ATTACHMENT AT CONCRETE**

NOTES:
1. ALL NON-BEARING METAL STUD WALLS SHALL BE PER WALL FRAMING SCHEDULE UNLESS NOTED OTHERWISE. FOR WALL TYPE AND LOCATION SEE ARCHITECTURAL DRAWINGS.
2. ALL SECTION SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST A.I.S.I. SPECIFICATION AND MEET THE FOLLOWING THICKNESS REQUIREMENTS:

MILS/GAUGE SCHEDULE		
MILS	MINIMUM THICKNESS	GAUGE
30	0.0312"	20
33	0.0346"	20
43	0.0451"	18
54	0.0566"	16
68	0.0713"	14
97	0.1017"	12

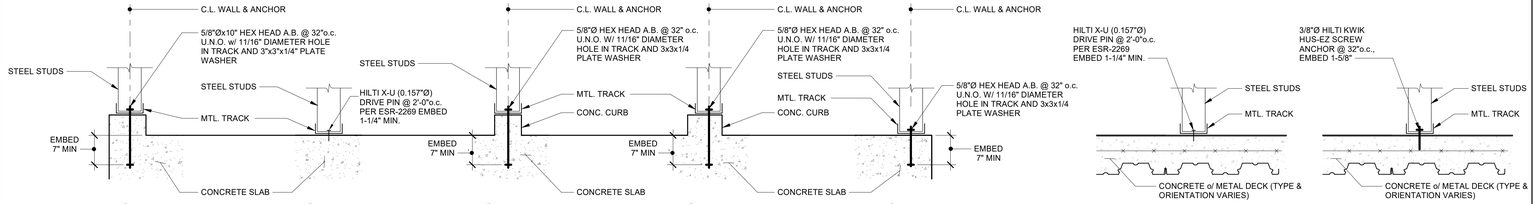
3. BENT, KINKED, DISTORTED, OR DAMAGED SECTIONS SHALL NOT BE USED.
4. STUDS MAY HAVE FACTORY WEB PUNCHOUTS U.N.O. AT 24" O.C. ALONG CENTERLINE OF WEB WITH A MAXIMUM WIDTH = HALF THE MEMBER DEPTH (d/2) OR 2 1/2" WHICHEVER IS LESS, AND A MAXIMUM LENGTH = 4 1/2". PUNCHOUTS SHALL NOT BE CLOSER THAN 10" FROM SECTION ENDS. SEE ARCHITECTURAL DRAWINGS FOR UNPUNCHED STUD REQUIREMENTS AT ACOUSTICAL WALLS.
5. SECTION PROPERTIES ARE BASED UPON THE "STEEL STUD MANUFACTURERS ASSOCATION" (SSMA) CATALOG OF PARTICIPATING PRODUCERS. (**ESR-3064P**)
6. ALL STUDS AND JAMBS SHALL BE FULL-HEIGHT OF BUILDING, U.N.O.
7. FOR SIZES OF OPENINGS AND ELEVATION TO BOTTOM/TOP OF OPENINGS, SEE ARCHITECTURAL PLANS
8. ALL JAMBS, HEADERS AND WINDOW SILLS SHALL BE AS NOTED IN SCHEDULE.
9. PROVIDE BRIDGING PER DETAIL 3 S005
10. ALL PARAPETS SHALL BE CAPPED WITH A LIGHT GAUGE TRACK MATCHING STUD GAUGE AND THICKNESS.
11. WHERE NON-BEARING WALLS EXTEND TO STRUCTURE, SEE 5 S005
12. ALL WELDS SHALL BE 1/8" FILLET MAXIMUM. FOR MATERIALS THINNER THAN 0.15", EFFECTIVE THROAT SHALL NOT BE LESS THAN THINNEST MATERIAL. WELD IN ACCORDANCE WITH "STRUCTURAL WELDING CODE - SHEET METAL" AWS D1.3.
13. SCREWS SHALL BE THREAD-FORMING OR THREAD-CUTTING, WITH OR WITHOUT A SELF DRILLING POINT. SCREWS SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. MINIMUM SPACING IS THREE SCREW DIAMETERS. A MINIMUM OF (3) THREADS SHALL BE ENGAGED.
14. USE LOW PROFILE HEAD SCREWS AT ALL LOCATIONS THAT HAVE GYPSUM BOARD FINISH.
15. USE ONLY UNPUNCHED STUDS FOR ALL BOX HEADERS AND EITHER PUNCHED OR UNPUNCHED STUDS FOR ALL JAMB STUDS USING SIZES PER WALL FRAMING SCHEDULE.
16. WALL STUDS LISTED IN THE WALL FRAMING SCHEDULE SHALL BE USED, UNLESS NOTED OTHERWISE. SEE PLANS AND SPECIFIC DETAILS FOR ADDITIONAL REQUIREMENTS.

TYPICAL METAL STUD WALL FRAMING — N.T.S. 4



NOTE:
1. STANDARD HOLES IN TRACK DO NOT REQUIRE EITHER OPTION (WELD).
2. THIS DETAIL IS ONLY TO BE USED WHERE HOLES ARE DEFORMED, OVERSIZED, OBLONG, SLOTTED, ETC.
3. DETAIL IS APPLICABLE FOR ALL WALL TYPES.

OVER SIZED HOLE IN TRACK — N.T.S. 25



A EXTERIOR NON-STRUCTURAL (NON-BEARING AND/OR NON-SHEAR) w/ CURB
B INTERIOR NON-STRUCTURAL (NON-BEARING AND/OR NON-SHEAR) w/o CURB
C INTERIOR NON-STRUCTURAL (NON-BEARING AND/OR NON-SHEAR) w/ CURB
D INTERIOR NON-STRUCTURAL (NON-BEARING AND/OR NON-SHEAR) w/ CURB
E EXTERIOR NON-STRUCTURAL (NON-BEARING AND/OR NON-SHEAR) w/o CURB
F INTERIOR NON-STRUCTURAL (NON-BEARING AND/OR NON-SHEAR) AT 2nd FLOOR
G EXTERIOR NON-STRUCTURAL (NON-BEARING AND/OR NON-SHEAR) AT 2nd FLOOR

NOTE:
1. WHERE HOLES IN TRACK ARE OVER SIZED OR SLOTTED, SEE 25 S004
2. PROVIDE SEALER GASKET PER PROJECT MANUAL AT EXTERIOR WALLS. FOR SEALANTS/BARRIERS AT INTERIOR WALLS, SEE ARCH. DWGS. (i.e. ACOUSTIC, FIRE RATED WALLS, etc.)
3. AT CONTRACTOR'S OPTION, PROVIDE 5/8"Ø THREADED ROD EPOXY ANCHOR WITH 5" MINIMUM EMBEDMENT FROM FINISH FLOOR. EPOXY SHALL BE HILTI HIT-RE 500-V3 (ICC ESR-3814) (TEST 1,700#).

METAL STUD AT SILL — N.T.S. 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7843 STATE OF CALIFORNIA STRUCTURAL

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: TYPICAL DETAILS - METAL STUD

PROJECT NO. 23-12499

DRAWING S004

PLOT DATE: 8/17/2026 11:28:59 AM

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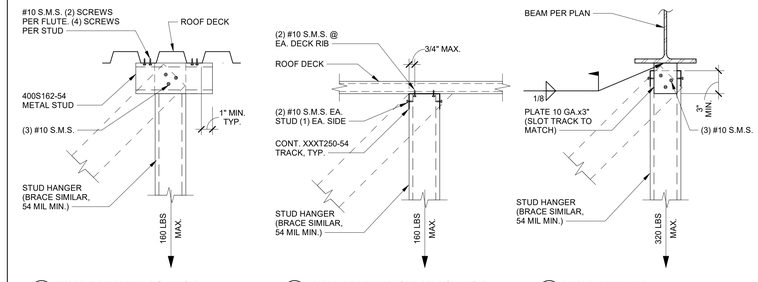
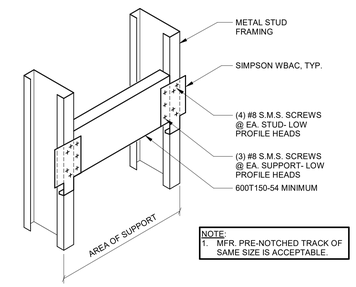


A WALL PARALLEL TO DECK

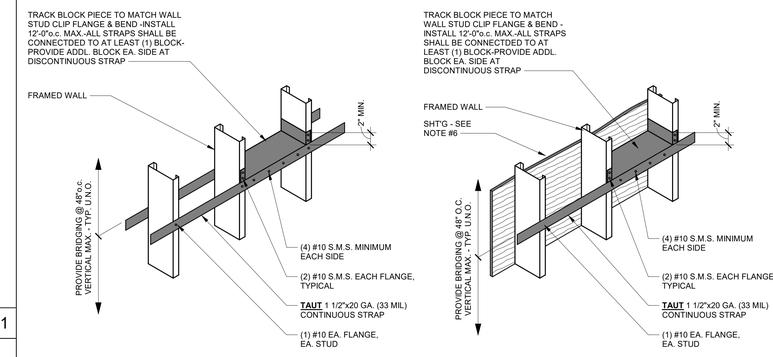
B WALL PERPENDICULAR TO DECK

C WALL AT BEAM

HANGER (OR BRACE) ATTACHMENT AT ROOF — 1 1/2" = 1'-0" — 16

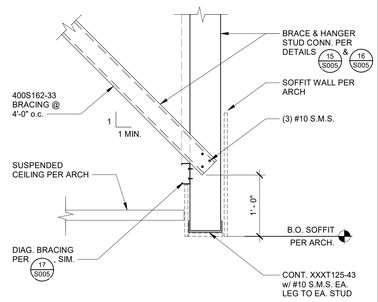


LIGHT GAUGE BACKING — 12" = 1'-0" — 11

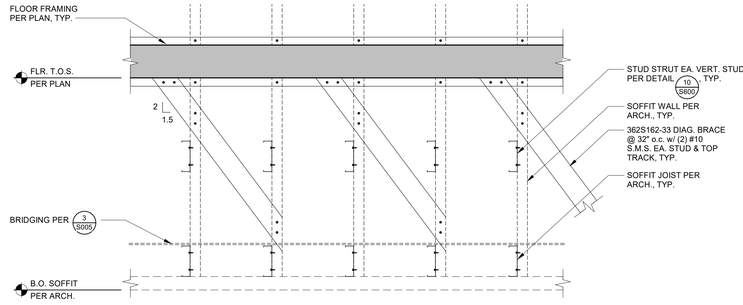


1 TYPE 1 BRIDGING - DOUBLE FLAT STRAP WITH BLOCKING

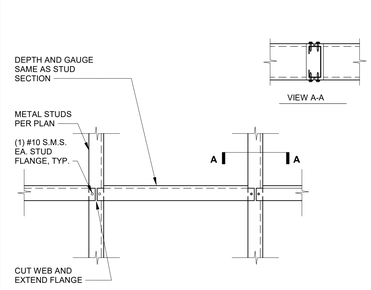
3 TYPE 3 BRIDGING - SHEATHING WITH SINGLE FLAT STRAP
(NOT ALLOWED AT BEARING WALLS)



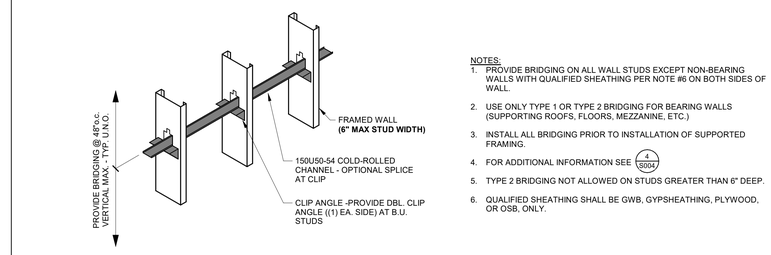
SOFFIT WALL AT SUSPENDED CLG. — 1" = 1'-0" — 27



SOFFIT WALL BRACING — 1" = 1'-0" — 17



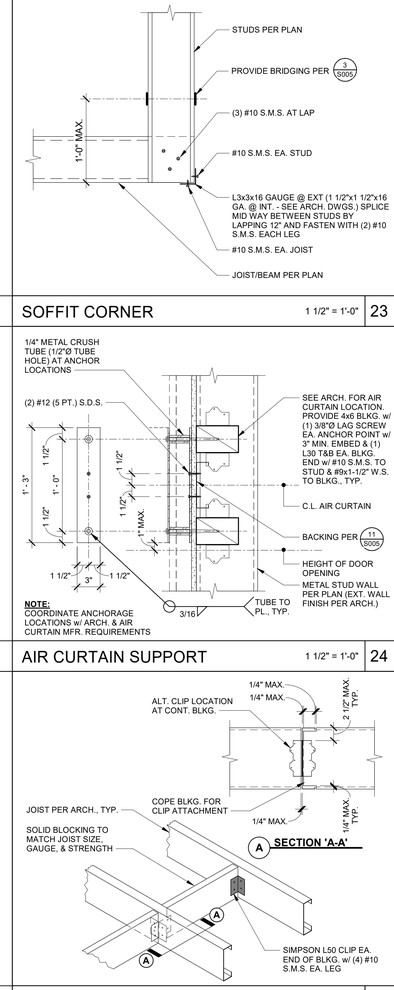
SOLID METAL BLOCKING — 12" = 1'-0" — 12



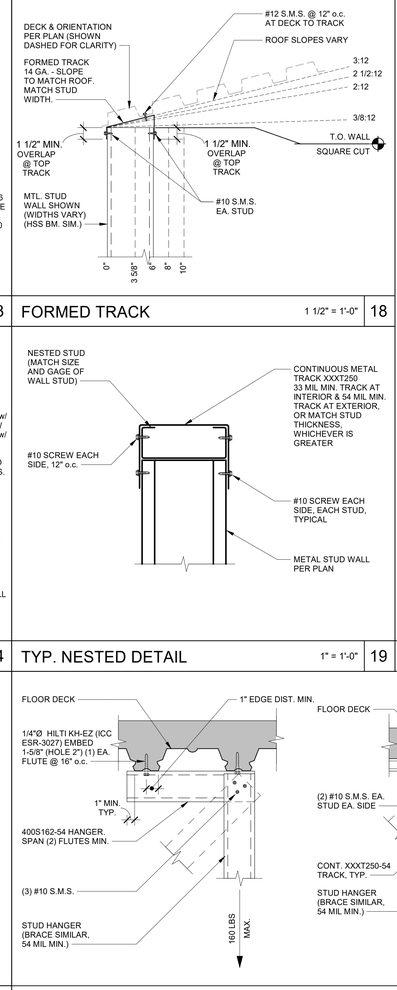
2 TYPE 2 BRIDGING - COLD-ROLLED CHANNEL WITH CLIP ANGLE

NOTES:
1. PROVIDE BRIDGING ON ALL WALL STUDS EXCEPT NON-BEARING WALLS WITH QUALIFIED SHEATHING PER NOTE #6 ON BOTH SIDES OF WALL.
2. USE ONLY TYPE 1 OR TYPE 2 BRIDGING FOR BEARING WALLS (SUPPORTING ROOFS, FLOORS, MEZZANINE, ETC.)
3. INSTALL ALL BRIDGING PRIOR TO INSTALLATION OF SUPPORTED FRAMING.
4. FOR ADDITIONAL INFORMATION SEE 4/S005
5. TYPE 2 BRIDGING NOT ALLOWED ON STUDS GREATER THAN 6" DEEP.
6. QUALIFIED SHEATHING SHALL BE GWB, GYPSHEATHING, PLYWOOD, OR OSB, ONLY.

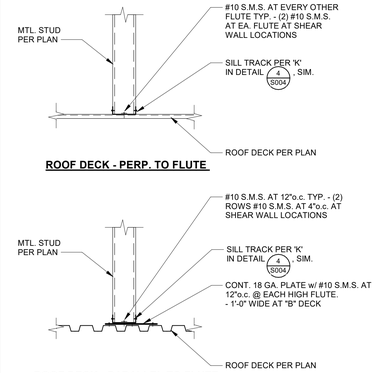
STUD BRIDGING — N.T.S. — 3



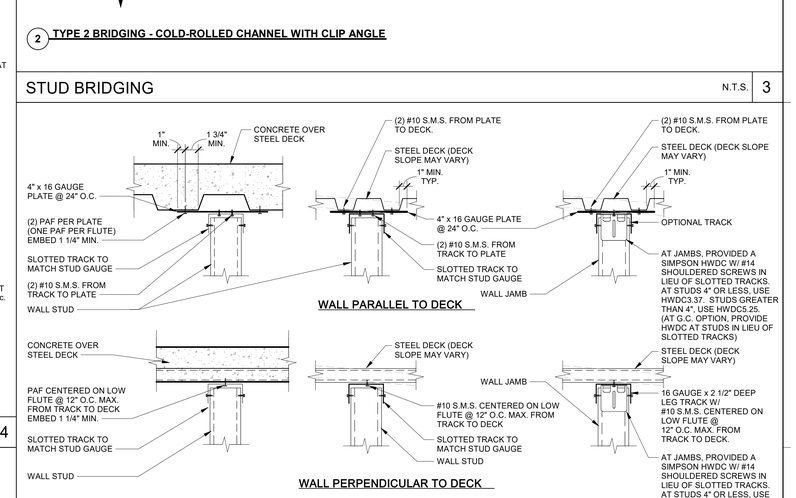
SOFFIT CORNER — 1 1/2" = 1'-0" — 23



FORMED TRACK — 1 1/2" = 1'-0" — 18



LIGHT GAUGE SILL CONNECTION — 3/4" = 1'-0" — 14



NOTE:
1. "SLOTTED TRACK" SHALL BE 2 1/2" DEEP MIN. STEEL TRACK W/ 1/4" x 1 1/2" VERTICAL SLOTS IN FLANGES AND 5/16" x 4" HORIZONTAL SLOTS AT 12" o.c. IN WEB (DOUBLE SLOT TRACK WHERE (2) FASTENERS ARE INDICATED). AT STUD CONNECTION, PROVIDE #8 9/16" WAFER HEAD SCREW EACH SIDE CENTERED IN SLOT. TOP OF STUD SHALL MAINTAIN 3/4" CLEARANCE FOR MOVEMENT.
2. FOR SEALANTS/BARRIERS ABOVE TOP TRACK SEE ARCH. DWGS. (i.e. ACOUSTIC, FIRE RATED WALLS)
3. FASTENERS SHALL NOT BE ATTACHED THROUGH THE SLOTTED TRACK IN A MANNER THAT WILL IMPAIR MOVEMENT.
4. SLOTTED TRACK: SCAFCO STEEL STUD COMPANY IAPMO 0283.
5. FOR SLOPED ROOFS:
   a. PROVIDE 'SLOTTED PITCHED TRACK' AT WALLS PERPENDICULAR TO SLOPE PER MFR. REQUIREMENTS.
   b. PROVIDE 'SLOTTED RAKE TRACK' AT WALLS PARALLEL TO SLOPE PER MFR. REQUIREMENTS.
6. AT EXT. PERIMETER STUDS, PROVIDE TOP TRACK PER **30C/S007**

NON-BEARING TOP OF WALL CONNECTION — N.T.S. — 5

AIR CURTAIN SUPPORT — 1 1/2" = 1'-0" — 24

TYP. NESTED DETAIL — 1" = 1'-0" — 19

SOLID BLOCKING AT JOISTS — 1" = 1'-0" — 25

HANGER (OR BRACE) ATTACHMENT AT FLOOR — 1 1/2" = 1'-0" — 15

PLOT DATE: 8/17/2026 11:29:01 AM

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DRAWING TITLE
TYPICAL DETAILS - METAL STUD

PROJECT NO.
23-12499

DRAWING
S005

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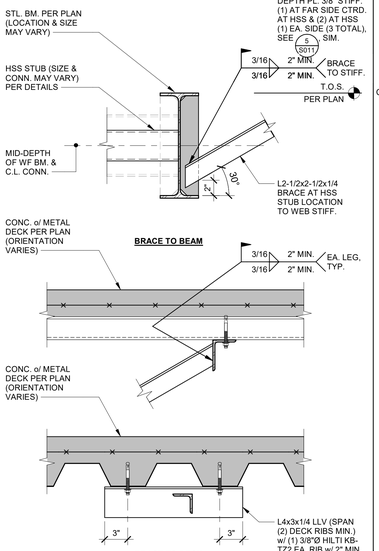
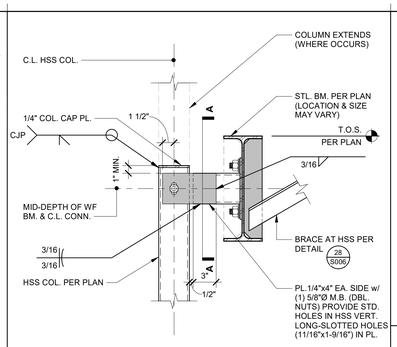
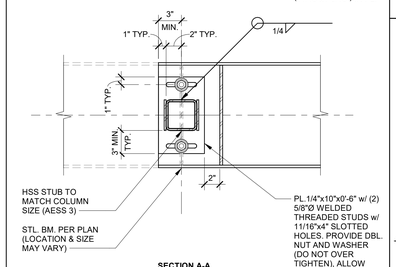


NOTE:
PROVIDE A FULL DEPTH PL. 3/8" STIFF. (1) AT FAR SIDE CTRD. AT HSS & (2) AT HSS (1) EA. SIDE (3 TOTAL), SEE 5 S017 SIM.

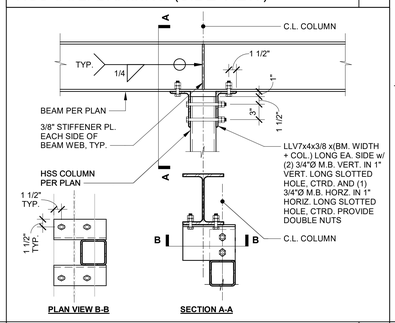
WF BEAM TORSIONAL BRACING 1 1/2" = 1'-0" | 28





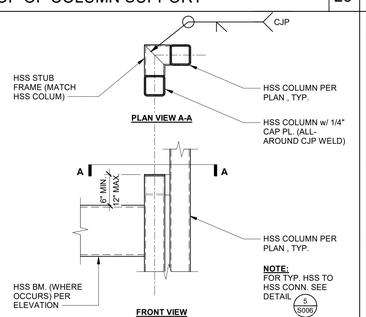
SECTION A-A

HSS COL. BRACING (SIDE VIEW) 1 1/2" = 1'-0" | 22

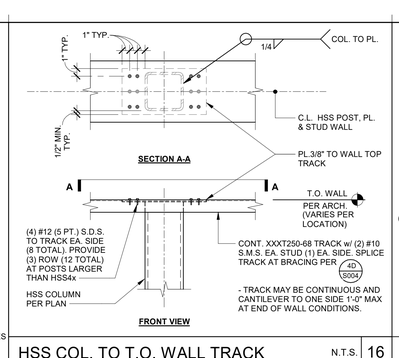


PLAN VIEW B-B **SECTION A-A**

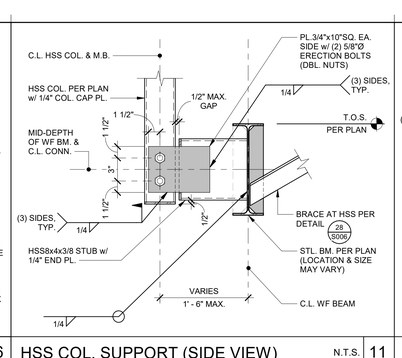
TOP OF COLUMN SUPPORT 1" = 1'-0" | 23



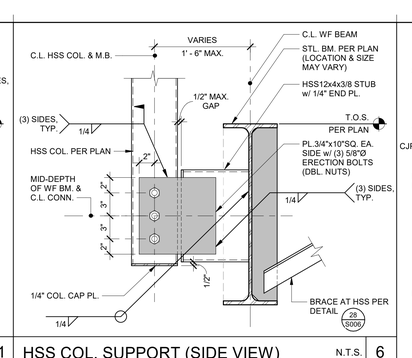
HSS COLUMN TO HSS BEAM 1" = 1'-0" | 24



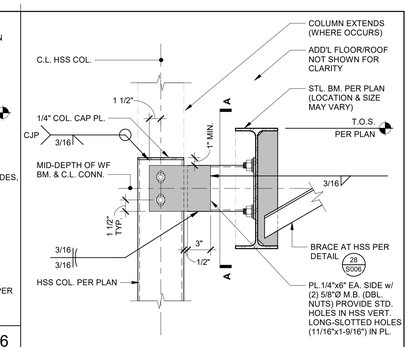
HSS COL. TO T.O. WALL TRACK N.T.S. | 16

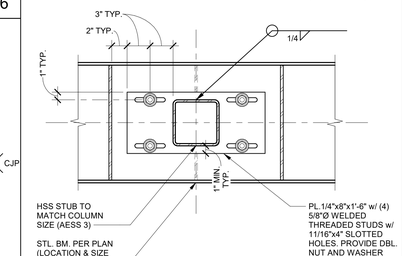


HSS COL. SUPPORT (SIDE VIEW) N.T.S. | 11



HSS COL. SUPPORT (SIDE VIEW) N.T.S. | 6

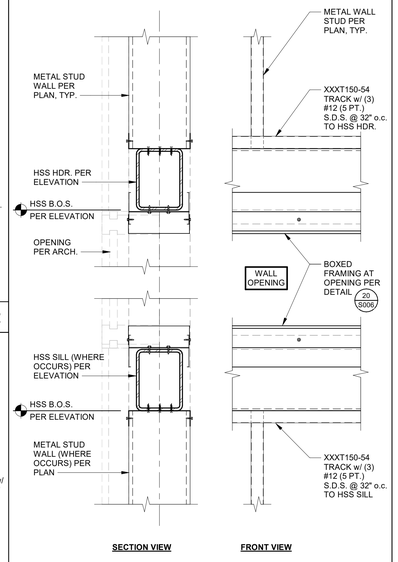




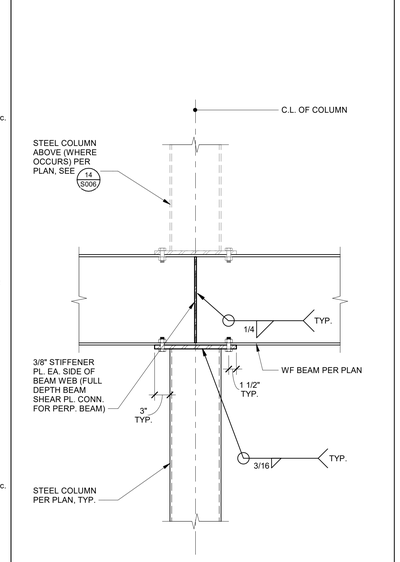
SECTION A-A

NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

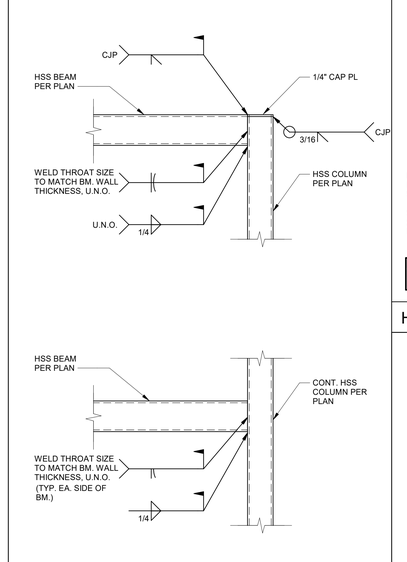
HSS COL. BRACING (SIDE VIEW) N.T.S. | 1



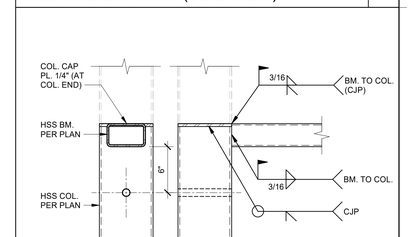
HSS HEADER/SILL AT WALL OPENING N.T.S. | 18



BEAM SUPPORTING HSS COLUMN N.T.S. | 13

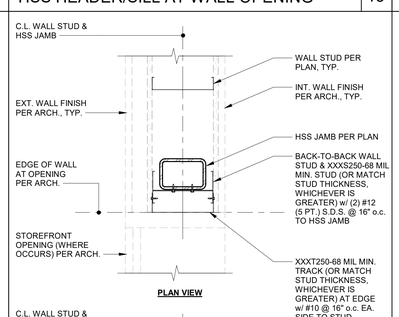


HSS TO HSS CONN. 1" = 1'-0" | 8

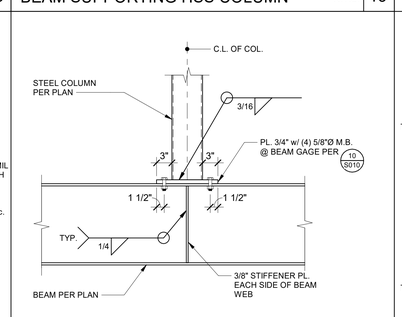


A1 HSS BEAM TO HSS COLUMN (WIDER COLUMN)

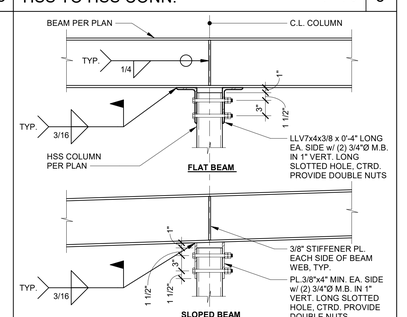
HSS COLUMN TO HSS BEAM 1" = 1'-0" | 24



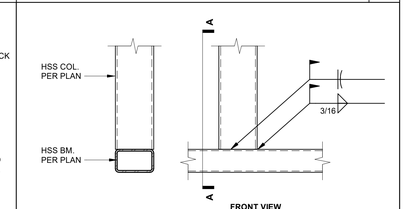
HSS HEADER/JAMB AT WALL OPENING N.T.S. | 20



BEAM SUPPORTING HSS COLUMN N.T.S. | 14

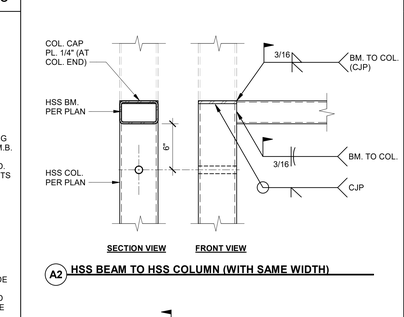


TOP OF COLUMN SUPPORT N.T.S. | 9

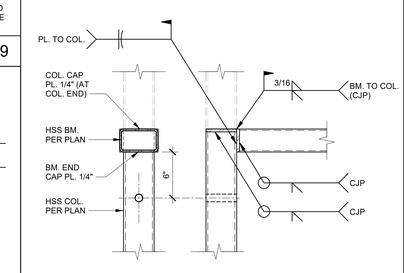


A HSS COLUMN o/ HSS BEAM (WITH SAME WIDTH)

HSS TO HSS COLUMN N.T.S. | 10



A2 HSS BEAM TO HSS COLUMN (WITH SAME WIDTH)



A3 HSS BEAM TO HSS COLUMN (WIDER BEAM)

NOTES:
1. HSS SIZES VARY PER LOCATION, TYP.
2. U.N.O. ALL HSS HEADERS AND JAMBS TO HAVE A 3" MIN. EDGE CLEARANCE AROUND WALL OPENING.
3. PROVIDE 1"Ø MAX HOLE FOR CONDUIT (WHERE OCCURS) PER ELECTRICAL DRAWINGS.

HSS BEAM TO HSS COLUMN N.T.S. | 5

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VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
TYPICAL DETAILS - SUPPLEMENTAL STEEL

PROJECT NO.
23-12499

DRAWING
S006

PLOT DATE: 8/17/2026 11:29:04 AM

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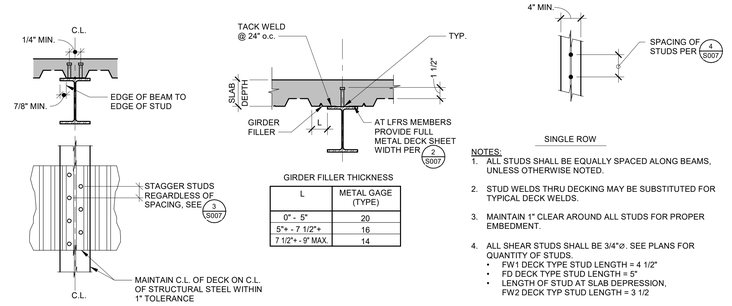
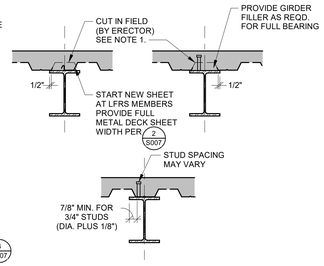


L	METAL GAGE (TYPE)
0" - 5"	20
5"* - 7 1/2"*	16
7 1/2"* - 9" MAX.	14

NOTES:
1. ALL STUDS SHALL BE EQUALLY SPACED ALONG BEAMS, UNLESS OTHERWISE NOTED.
2. STUD WELDS THRU DECKING MAY BE SUBSTITUTED FOR TYPICAL DECK WELDS.
3. MAINTAIN 1" CLEAR AROUND ALL STUDS FOR PROPER EMBEDMENT.
4. ALL SHEAR STUDS SHALL BE 3/4"ø. SEE PLANS FOR QUANTITY OF STUDS.
   - FW1 DECK TYPE STUD LENGTH = 4 1/2"
   - FD DECK TYPE STUD LENGTH = 5"
   - LENGTH OF STUD AT SLAB DEPRESSION, FW2 DECK TYP STUD LENGTH = 3 1/2

NOTES:
1. ALL DECK IS FURNISHED IN 24" OR 36" WIDTHS. ANY CUTTING THAT IS REQUIRED SHALL BE DONE IN THE FIELD BY THE DECK ERECTOR. AT LFRS MEMBERS PROVIDE FULL METAL DECK SHEET WIDTHS PER 2 S007
2. STARTING AT THE GIRDER ENDS, PLACE THE FIRST STUD AT APPROXIMATELY 12" FROM THE COLUMN CENTER LINE (OR FACE OF A WALL) AND WORK TOWARD THE CENTER OF THE GIRDER WITH UNIFORM SPACES BETWEEN THE STUDS. IF A DOUBLE ROW OF STUDS IS REQUIRED, PLACE THEM IN A STAGGERED PATTERN RATHER THAN SIDE BY SIDE. STUD SPACING BETWEEN FLOOR BEAMS MAY BE DIFFERENT FROM THE SPACING AT GIRDER ENDS.
3. WHEN THE NUMBER OF STUDS IS LESS THAN THE NUMBER OF RIBS START AT BEAM ENDS (AT THE COLUMN OR WALL) AND LOCATE A SINGLE STUD IN EVERY OTHER FLUTE (OR EVERY FOURTH FLUTE IF RIBS ARE 6"o.c.); WORK TOWARD THE CENTER OF THE BEAM. IF THE STUDS REMAIN, FILL IN EMPTY RIBS, AGAIN STARTING AT BEAM ENDS AND WORKING TOWARD THE CENTER. MAXIMUM STUD SPACING IS 24"o.c.
4. WHEN THE NUMBER OF STUDS IS MORE THAN THE NUMBER OF RIBS, IF MORE THAN ONE STUD PER RIB IS REQUIRED, PLACE A DOUBLE ROW AS NEEDED. STARTING FROM BEAM ENDS AND WORKING TOWARD THE CENTER OF THE BEAM.
5. THE STUD QUANTITY INDICATED ON PLAN IS THE MINIMUM REQUIRED FOR STRENGTH. PROVIDE EXTRA STUDS AS REQUIRED TO MAINTAIN THE SPACING REQUIREMENTS INDICATED IN DETAIL
6. IN GENERAL, IF STUDS CANNOT BE PLACED WITH UNIFORM SPACING ALONG THE BEAM, THE GREATEST NUMBER OF STUDS SHOULD OCCUR AT THE ENDS. 4 S007
7. WHERE DECK BEARS ON A SKEWED SUPPORT MEMBER, SEE 17 S009



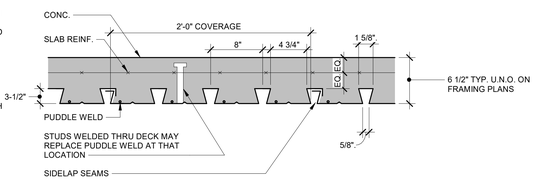
STUD FOR COMPOSITE DECK DETAIL — N.T.S. — 22

FLOOR DECK SCHEDULE

DECK			CONCRETE FILL			TYPICAL ATTACHMENT			
MARK	PROFILE	GAGE	TYPE	THICKNESS ABOVE TOP FLUTE	REINFORCING	⊥ TO DECK	|| TO DECK	SIDE LAPS	REMARKS
FW1	3.0CD COMPOSITE DECK**	18	NORMAL WEIGHT	3-1/2"	6x6 W2.0xW2.0 WIRE MESH	(4) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 1 PER RIB (4 TYP.) 2 PER RIB AT LFRS	0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 24" o.c. TYP. 6" o.c. AT LFRS	BUTTON PUNCH @ 24" O.C.	COMPLY W/ ICC-ES REPORT ESR-3818 (ISSUED 05/2024, REVISED 10/24)
FW2	2.0CD COMPOSITE DECK**	16	NORMAL WEIGHT	4-1/2"	6x6 W2.0xW2.0 WIRE MESH	(4) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 1 PER RIB (4 TYP.) 2 PER RIB AT LFRS	0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 24" o.c. TYP. 6" o.c. AT LFRS	BUTTON PUNCH @ 24" O.C.	COMPLY W/ ICC-ES REPORT ESR-3818 (ISSUED 05/2024, REVISED 10/24)
FD	3.5 LS COMPOSITE DECK** (DOVETAIL)	20	NORMAL WEIGHT	3"	6x6 W1.4xW1.4 WIRE MESH	(4) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 1 PER RIB (4 TYP.) 2 PER RIB AT LFRS	0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 24" o.c. TYP. 6" o.c. AT LFRS	FILLET WELDS (1-1/2" VISIBLE) @ 24" O.C.	COMPLY W/ ICC-ES REPORT ESR-2635 (ISSUED 01/2024, REVISED 08/24)

** BASIS OF DESIGN MFR. IS 'NEW MILLENIUM BUILDING SYSTEMS'

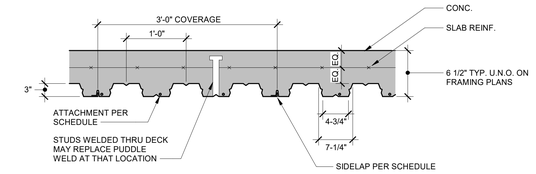
NOTES:
1. WHEREVER POSSIBLE, DECK LAYOUTS SHALL PROVIDE SHEETS OF SUFFICIENT LENGTH TO CONT. SPAN AT LEAST THREE SPANS. SEE SHEET S001 STEEL DECK NOTE #2 SHORING FOR SINGLE AND DOUBLE SPAN CONDITIONS. ENDS SHALL TERMINATE OVER A SUPPORT PERP. TO THE DECK SPAN, EXCEPT AT OPENINGS OR BUILDING EDGES WHERE DECKS MAY BE CANTILEVERED PER 30 S007
2. DECK MAY REQUIRE VERTICAL SHORING IF NOT CONT. FOR THREE SPANS DEPENDING ON SPAN LENGTHS. SEE SHEET S001 STEEL DECK NOTE #2 SHORING FOR SINGLE AND DOUBLE SPAN CONDITIONS. GENERAL CONTRACTOR TO PROVIDE SHORING WHERE REQ'D BASED ON METAL DECK LAYOUT SHOP DRAWINGS.
3. DECK SHALL HAVE A MINIMUM OF 2" BEARING AT ALL SUPPORTING MEMBERS PERPENDICULAR TO DECK SPAN AND 2" AT ALL MEMBERS PARALLEL TO DECK SPAN.
4. DIAMETER OF PUDDLE WELD SHOWN REPRESENTS EFFECTIVE FUSION AREA.
5. WHERE TWO ADJACENT DECK SHEETS ARE SUPPORTED BY ONE FRAMING MEMBER, EACH SHEET SHALL INDIVIDUALLY SATISFY THE REQUIREMENTS OF NOTE 3 AND OF THE ATTACHMENT SCHEDULE.
6. DO NOT SUSPEND PIPING, CONDUITS OR OTHER UTILITIES FROM METAL DECK ALONE, PRIMARY ATTACHMENT FOR T-BAR CEILING WITH LIGHT FIXTURES AND SOFFIT FRAMING SHALL BE TO STRUCTURE. ATTACHMENT TO CONC. o/ METAL DECK IS ACCEPTABLE FOR INTERMEDIATE SUPPORTS. HANGING LOADS SHALL BE SUPPORTED PER DETAIL 2 S006
7. DO NOT PLACE PIPES IN CONCRETE FILL OVER METAL DECK. WHERE NECESSARY, CONDUITS SHALL BE PLACED PER DETAIL 24 S007
8. DECK ATTACHMENTS TO STRUCTURAL MEMBERS, AS SCHEDULED, PER MANUFACTURERS RECOMMENDATIONS.
9. FOR EDGE OF DECK CONDITION, SEE DETAIL 25 S006 & 30 S007
10. LFRS - LATERAL FORCE RESISTING SYSTEM
    A. ALL FLOOR BEAMS IN LINE WITH FRAMES AS SHOWN IN FRAME LINE ELEVATIONS ON S400 AND S401 SHALL BE CONSIDERED LFRS MEMBERS. ADDL. MEMBERS SHALL BE AS NOTED ON FRAMING PLANS.
    B. AT CONDITIONS WHERE THE METAL DECK IS PARALEL TO FRAMING MEMBERS PART OF THE LFRS PROVIDE FULL SHEET WIDTH OF METAL DECK.



DECK PROPERTIES								
TYPE	GAGE	t (IN)	h (IN)	Igx (IN⁴)	Ion (IN⁴)	Ioi (IN⁴)	-Soi (IN⁴)	-Sei (IN⁴)
FD	20	0.0358	3.330	2.042	1.917	1.766	0.775	0.910

NOTES:
1. ASTM A653 SS GRADE 40 WITH G60 GALVANIZED FINISH. 40,000 PSI YIELD STRENGTH.

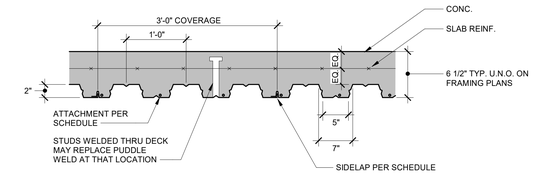
FD - 3.5 LS COMPOSITE DECK (DOVETAIL)



DECK PROPERTIES						
TYPE	GAGE	+I (IN⁴)	-I (IN⁴)	+S (IN³)	-S (IN³)	
FW1	18	1.252	1.253	0.794	0.802	

NOTES:
1. ASTM A653 SS GRADE 40 WITH G60 GALVANIZED FINISH. 40,000 PSI YIELD STRENGTH.

FW1 - 3.0CD COMPOSITE DECK



DECK PROPERTIES						
TYPE	GAGE	+I (IN⁴)	-I (IN⁴)	+S (IN³)	-S (IN³)	
FW2	16	0.699	0.700	0.650	0.651	

NOTES:
1. ASTM A653 SS GRADE 40 WITH G60 GALVANIZED FINISH. 40,000 PSI YIELD STRENGTH.

FW2 - 2.0CD COMPOSITE DECK

FLOOR DECK SCHEDULE — N.T.S. — 2

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER — BRIAN CHANG — No. S7243 — STRUCTURAL — STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: TYPICAL DETAILS - METAL DECK

PROJECT NO. 23-12499

DRAWING S007

WALL FASTENED TO UNDERSIDE OF DECK — CONDUIT IN MTL. DECK/CONC. SLAB — 1" = 1'-0" — 24

TYPICAL AT METAL DECK PERPENDICULAR TO BEAM

TYPICAL AT METAL DECK PARALLEL TO BEAM

TYPICAL AT METAL DECK TRANSITION AT BEAM

NOTES:
1. ELECTRIC CONDUIT EMBEDDED IN COMPOSITE FLOOR SLABS SHALL COMPLY WITH THE STEEL DECK INSTITUTE FLOOR DECK DESIGN MANUAL, SECTION 4.10.2. CONDUITS SHALL NOT CROSS OR BE SPACED CLOSER THAN 18 INCHES WITHOUT THE APPROVAL OF THE EOR.
2. FOR ITEMS SHOWN BUT NOT NOTED, SEE 14 S007

FLR. BOX AT MTL. DECK/CONC.SLAB — 1" = 1'-0" — 19

NOTE:
FOR ITEMS SHOWN BUT NOT NOTED, SEE 14 S007

TYPICAL AT METAL DECK PARALLEL TO BEAM AT FLOOR BOX

TYPICAL AT METAL DECK TRANSITION AT BEAM AT FLOOR BOX

FLOOR DECK SCHEDULE — N.T.S. — 2

TYPICAL AT METAL DECK PARALLEL TO BEAM

TYPICAL AT METAL DECK TRANSITION AT BEAM

STEEL DECK TO BEAM (TOPPED) — N.T.S. — 14

COMPOSITE STUD LAYOUT — N.T.S. — 3

COMPOSITE DECK CONSTRUCTION JOINT — N.T.S. — 4

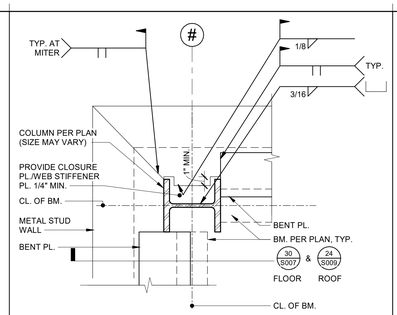
NOTE:
FOR ITEMS SHOWN BUT NOT NOTED, SEE 4 S007 & 14 S007

DEPRESSED SLAB AT FLR. — N.T.S. — 25

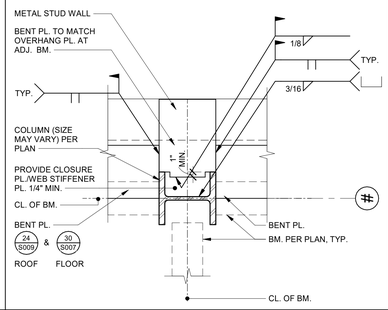
OPENINGS IN CONCRETE — 3/4" = 1'-0" — 15

NOTES:
1. BLOCK OUT OPENING BEFORE PLACING CONCRETE, WHERE OCCURS.
2. REMOVE BLOCKOUT AND CUT DECK AFTER CONCRETE HAS CURED, WHERE OCCURS.
3. CONTRACTOR SHALL COORDINATE OPENING SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS AND ARCHITECTURAL DRAWINGS.

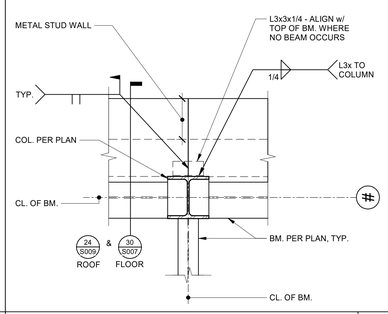
FLOOR PENETRATION REINFORCING — 1" = 1'-0" — 5



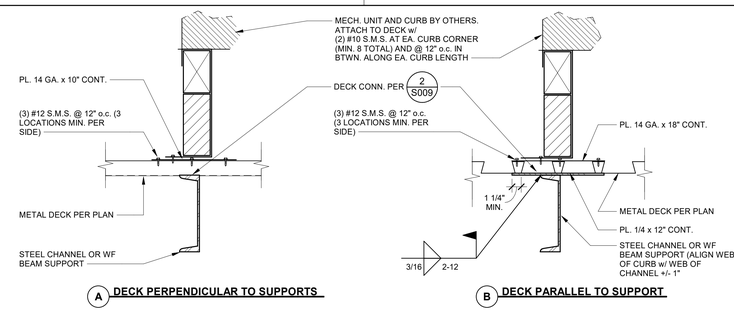
DECK EDGE DETAIL N.T.S. 21

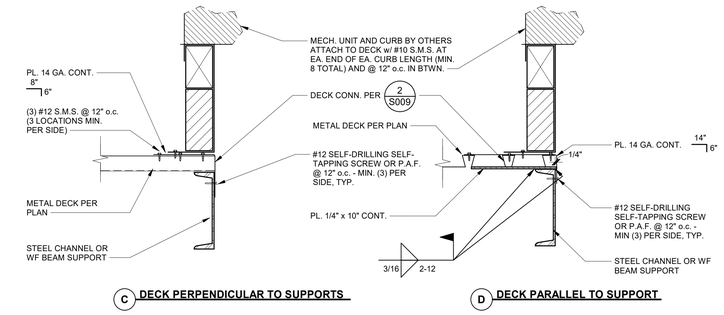


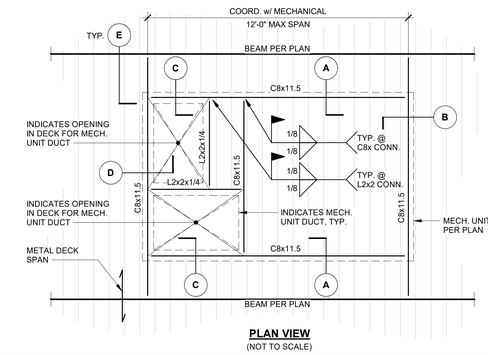
DECK EDGE DETAIL N.T.S. 22

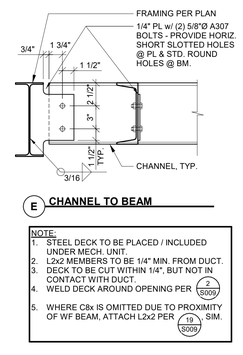


DECK EDGE DETAIL N.T.S. 23



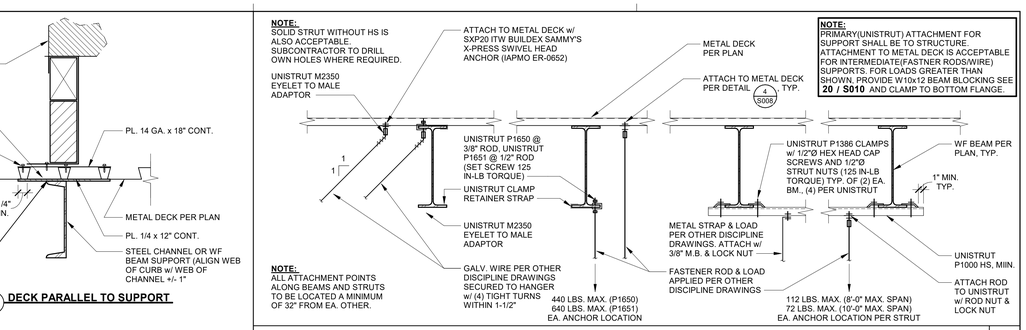




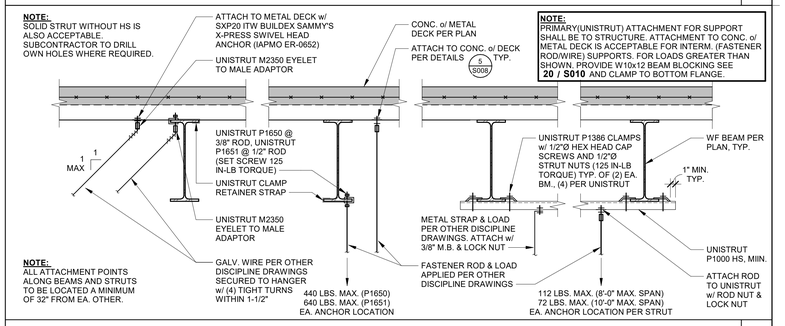


NOTE:
1. STEEL DECK TO BE PLACED / INCLUDED UNDER MECH. UNIT.
2. L2x2 MEMBERS TO BE 1/4" MIN. FROM DUCT.
3. DECK TO BE CUT WITHIN 1/4", BUT NOT IN CONTACT WITH DUCT.
4. WELD DECK AROUND OPENING PER 2 S009
5. WHERE C8x IS OMITTED DUE TO PROXIMITY OF WF BEAM, ATTACH L2x2 PER 19 S008, SIM.

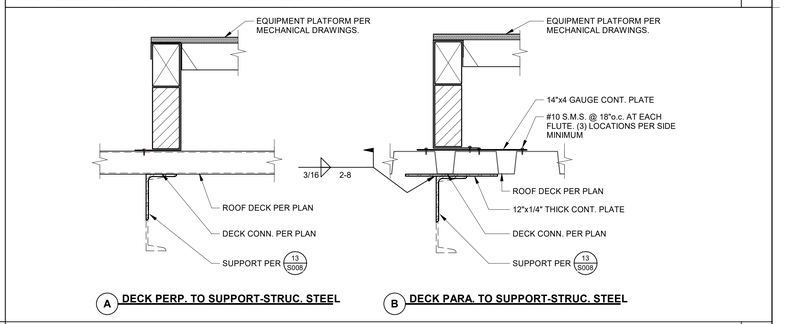
TYP. MECH CURB ATTACHMENT AT METAL DECK N.T.S. 13



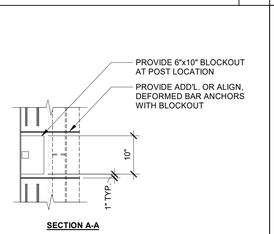
MISCELLANEOUS HANGING CONNECTIONS N.T.S. 1

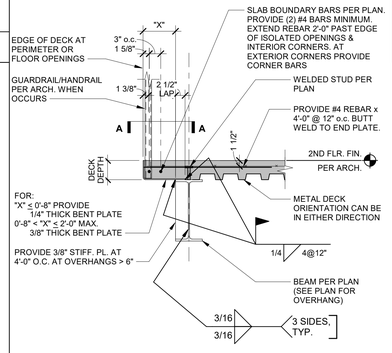


MISCELLANEOUS HANGING CONNECTIONS N.T.S. 2

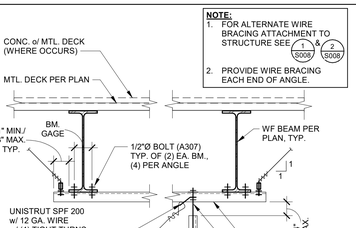


MECHANICAL PLATFORM SUPPORT 1 1/2" = 1'-0" 3

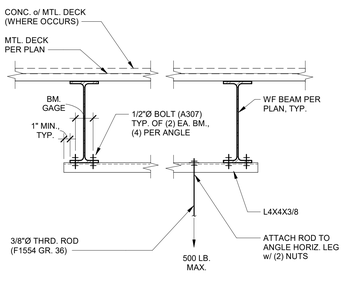




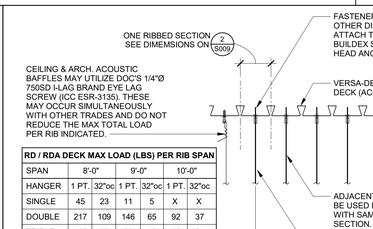
OVERHANG AT FLOOR 3/4" = 1'-0" 25



KITCHEN HOOD SUPPORT N.T.S. 19



SOUND TRAP SUPPORT N.T.S. 20



RD / RDA DECK MAX LOAD (LBS) PER RIB SPAN						
SPAN	8'-0"		9'-0"		10'-0"	
HANGER	1 PT.	32"oc	1 PT.	32"oc	1 PT.	32"oc
SINGLE	45	23	11	5	X	X
DOUBLE	217	109	146	65	92	37
TRIPLE	153	77	96	43	52	21

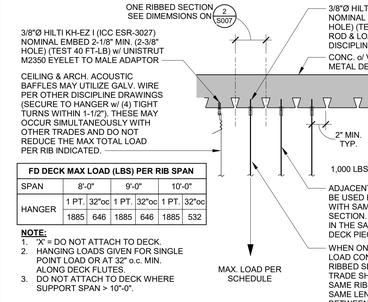
NOTE:
1. "X" = DO NOT ATTACH TO DECK.
2. HANGING LOADS GIVEN FOR SINGLE POINT LOAD OR AT 32" o.c. MIN. ALONG DECK FLUTES.
3. DO NOT ATTACH TO DECK WHERE SUPPORT SPAN > 10'-0".

MISCELLANEOUS HANGING LOAD N.T.S. 4

RB DECK MAX LOAD (LBS) PER RIB SPAN						
SPAN	8'-0"		9'-0"		10'-0"	
HANGER	1 PT.	32"oc	1 PT.	32"oc	1 PT.	32"oc
SINGLE	X	X	X	X	X	X
DOUBLE	57	28	19	8	X	X
TRIPLE	17	13	X	X	X	X

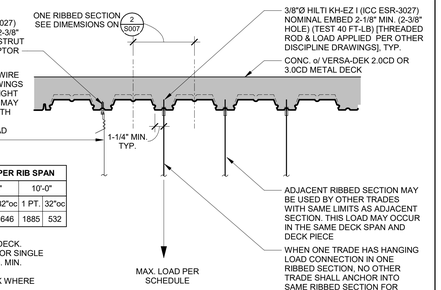
NOTE:
1. "X" = DO NOT ATTACH TO DECK.
2. HANGING LOADS GIVEN FOR SINGLE POINT LOAD OR AT 32" o.c. MIN. ALONG DECK FLUTES.
3. DO NOT ATTACH TO DECK WHERE SUPPORT SPAN > 10'-0".

MISCELLANEOUS HANGING LOAD N.T.S. 5



FD DECK MAX LOAD (LBS) PER RIB SPAN						
SPAN	8'-0"		9'-0"		10'-0"	
HANGER	1 PT.	32"oc	1 PT.	32"oc	1 PT.	32"oc
	1885	646	1885	646	1885	532

NOTE:
1. "X" = DO NOT ATTACH TO DECK.
2. HANGING LOADS GIVEN FOR SINGLE POINT LOAD OR AT 32" o.c. MIN. ALONG DECK FLUTES.
3. DO NOT ATTACH TO DECK WHERE SUPPORT SPAN > 10'-0".



FW DECK MAX LOAD (LBS) PER RIB SPAN						
SPAN	8'-0"		9'-0"		10'-0"	
HANGER	1 PT.	32"oc	1 PT.	32"oc	1 PT.	32"oc
	1885	646	1885	646	1885	532

NOTE:
1. "X" = DO NOT ATTACH TO DECK.
2. HANGING LOADS GIVEN FOR SINGLE POINT LOAD OR AT 32" o.c. MIN. ALONG DECK FLUTES.
3. DO NOT ATTACH TO DECK WHERE SUPPORT SPAN > 10'-0".

MISCELLANEOUS HANGING LOAD N.T.S. 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7243 MECHANICAL STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
TYPICAL DETAILS - METAL DECK

PROJECT NO.
23-12499

DRAWING
S008

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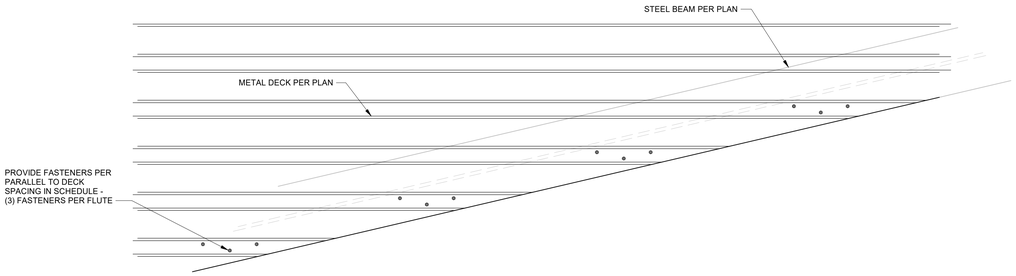
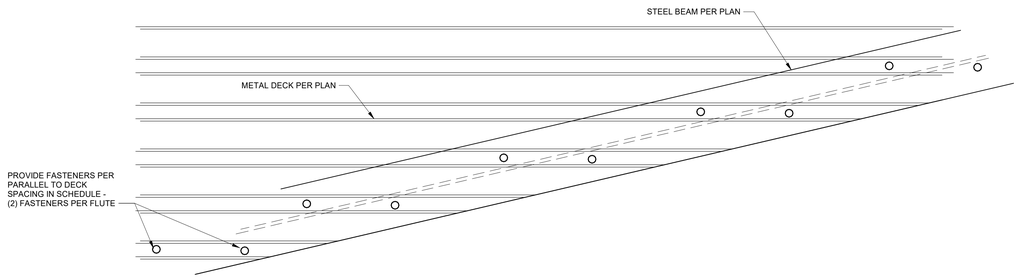


ROOF DECK AT SKEWED SUPPORT — N.T.S. 16



FLOOR DECK AT SKEWED SUPPORT — N.T.S. 17

ROOF DECK

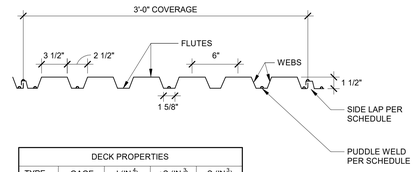
DECK MARK	DECK PROFILE	DECK GAGE	ATTACHMENT ⊥ TO DECK	ATTACHMENT ∥ TO DECK	ATTACHMENT SIDE LAPS	REMARKS
RB	STANDARD B DECK**	20	(5) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 1 PER RIB (5 TYP.) 2 PER RIB AT LFRS	0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 24" o.c. TYP. 6" o.c. AT LFRS	FILLET WELDS (1-1/2" VISIBLE) @ 18" O.C.	COMPLY W/ ICC-ES REPORT ESR-3818 (REISSUED 05/2025)
RD	2.0 LS ES VERSA-DEK** (DOVETAIL)	20	(4) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 1 PER RIB (4 TYP.) 2 PER RIB AT LFRS	0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 24" o.c. TYP. 6" o.c. AT LFRS	FILLET WELDS (1-1/2" VISIBLE) @ 24" O.C.	COMPLY W/ ICC-ES REPORT ESR-2657 (REISSUED 03/2024)
RDA	2.0 LS ES VERSA-DEK** ACOUSTICAL (DOVETAIL)	20	(4) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 1 PER RIB (4 TYP.) 2 PER RIB AT LFRS	0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 24" o.c. TYP. 6" o.c. AT LFRS	FILLET WELDS (1-1/2" VISIBLE) @ 24" O.C.	COMPLY W/ ICC-ES REPORT ESR-2657 (REISSUED 03/2024)

** BASIS OF DESIGN MFR. IS 'NEW MILLENIUM BUILDING SYSTEMS'

NOTES:

1. WHEREVER POSSIBLE, DECK LAYOUTS SHALL PROVIDE SHEETS OF SUFFICIENT LENGTH TO CONTINUOUS SPAN AT LEAST THREE SPANS. ENDS SHALL TERMINATE OVER A SUPPORT PERP. TO THE DECK SPAN, EXCEPT AT OPENINGS OR BUILDING EDGES WHERE DECKS MAY BE CANTILEVERED PER (2A/S009)
   A. SINGLE SPAN IS NOT ALLOWED FOR DECK TYPE "RB".
   B. FOR DECK TYPES "RD" OR "RDA": WHERE SINGLE SPAN IS UNAVOIDABLE DUE TO LAYOUT, AT SINGLE SPANS GREATER THAN 8'-0" PROVIDE 18GA AND AT SINGLE SPANS GREATER THAN 9'-0" PROVIDE 16GA. DECK WITH SAME FASTENING PATTERN. SINGLE SPAN WITH 16GA. IS LIMITED TO 9'-9" MAX. WITH SAME FASTENING PATTERN.
2. DECK SHALL HAVE A MINIMUM OF 2" BEARING AT ALL SUPPORTING MEMBERS PERPENDICULAR TO DECK SPAN AND 2" AT ALL MEMBERS PARALLEL TO DECK SPAN. AT ENDS OF DIAPHRAGM EDGES, DECK SHALL BEAR FULL WIDTH OF BEARING MEMBERS AS SHOWN IN DETAILS SUPPORT PLATES AND CONN. SHALL BE PROVIDED BY DECKING CONTRACTOR WHERE DETAIL AS SHOWN IS NOT ACHIEVED. SEE DETAILS 9/S009, 10/S009, 24/S009, & 20/S009
3. WHERE TWO ADJACENT DECK SHEETS ARE SUPPORTED BY ONE FRAMING MEMBER, EACH SHEET SHALL INDIVIDUALLY SATISFY THE REQUIREMENTS OF NOTE 2 AND OF THE ATTACHMENT SCHEDULE (BUTTED ENDS).
4. DO NOT SUSPEND PIPING, MAIN LINE CONDUITS OR OTHER UTILITIES FROM METAL DECK ALONE. PRIMARY ATTACHMENT FOR SUPPORT SHALL BE TO STRUCTURE. ATTACHMENT TO METAL DECK IS ACCEPTABLE AT INTERMEDIATE SUPPORTS FOR SUSPENDED T-BAR CEILING WITH LIGHT FIXTURES AND SOFFIT FRAMING. FOR PRIMARY ATTACHMENTS TO STRUCTURE, SEE 1/S009 FOR CEILING ATTACHMENT TO METAL DECK SEE 4/S009
5. DECK ATTACHMENTS TO STRUCTURAL MEMBERS AS SCHEDULED.
   A. FOR SCREW ATTACHMENT, PROVIDE SDI RECOGNIZED #12 (5 PT.) SELF DRILLING SELF TAPPING SCREWS.
   B. FOR EXPOSED DECK SCREWS, PROVIDE NEOPRENE GASKET WASHERS.
   C. MANUFACTURERS LIMITED TO BUILDEX, ELCO, HILTI, SIMPSON STRONG-TIE OR TRIANGLE. SCREWS SHALL COMPLY WITH ASTM C1513.
6. AT ROOF OVERBUILD **RB** DECK TYPE, PROVIDE DECK ATTACHMENTS TO STRUCTURAL MEMBERS USING SCREWS IN LIEU OF WELDS.
   A. FOR SCREW ATTACHMENT, PROVIDE SDI RECOGNIZED #12 (5 PT.) SELF DRILLING SELF TAPPING SCREWS.
   B. FOR EXPOSED DECK SCREWS, PROVIDE NEOPRENE GASKET WASHERS.
   C. MANUFACTURERS LIMITED TO BUILDEX, ELCO, HILTI, SIMPSON STRONG-TIE OR TRIANGLE. SCREWS SHALL COMPLY WITH ASTM C1513.
7. LFRS - LATERAL FORCE RESISTING SYSTEM
   A. ALL FLOOR BEAMS IN LINE WITH FRAMES AS SHOWN IN FRAME LINE ELEVATIONS ON S400 AND S401 SHALL BE CONSIDERED LFRS MEMBERS. ADDL. MEMBERS SHALL BE AS NOTED ON FRAMING PLANS.
   B. AT CONDITIONS WHERE THE METAL DECK IS PARALEL TO FRAMING MEMBERS PART OF THE LFRS PROVIDE FULL SHEET WIDTH OF METAL DECK.

ROOF DECK SCHEDULE — N.T.S. 2

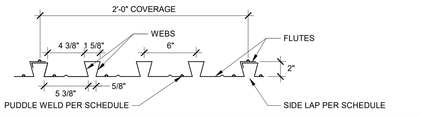


DECK PROPERTIES				
TYPE	GAGE	I (IN^4)	+S (IN^3)	-S (IN^3)
RB	20	0.231	0.230	0.235

NOTES:

1. ASTM A653 SS GRADE 50 WITH G60 GALVANIZED FINISH. 50,000 PSI YIELD STRENGTH.

RB - STANDARD B DECK

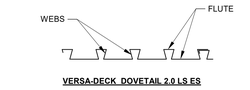


DECK PROPERTIES										
TYPE	GAGE	t (IN)	Igx (IN^4/FT)	Ion (IN^4/FT)	Ioi (IN^4/FT)	Ids (IN^4/FT)	Idm (IN^4/FT)	Sen (IN^3/FT)	Sei (IN^3/FT)	h (IN)
RD	20	0.0358	0.505	0.505	0.506	0.505	0.506	0.386	0.379	1.699
RDA	20	0.0358	0.476	0.476	0.476	0.476	0.476	0.379	0.377	1.699

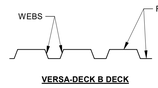
NOTES:

1. ASTM A653 SS GRADE 40 WITH G60 GALVANIZED FINISH. 40,000 PSI YIELD STRENGTH.

RD & RDA - VERSA-DEK 2.0 LS ES & 2.0 LS ES ACOUSTICAL



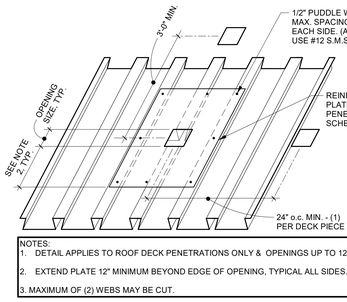
VERSA-DECK DOVETAIL 2.0 LS ES



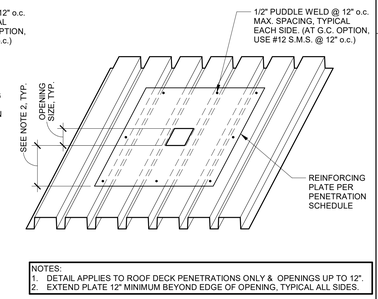
VERSA-DECK B DECK

PENETRATION SCHEDULE	
OPENING SIZE	REINFORCING PLATE
UP TO 6"	NOT REQUIRED IF UP TO 1 WEB IS CUT 18 GA. IF 2 WEBS ARE CUT
6" TO 8"	18 GA.
8" TO 12"	16 GA.

PENETRATION SCHEDULE	
OPENING SIZE	REINFORCING PLATE
UP TO 6"	NOT REQUIRED IF UP TO 1 WEB IS CUT 18 GA. IF 2 WEBS ARE CUT
6" TO 8"	18 GA.
8" TO 12"	16 GA.

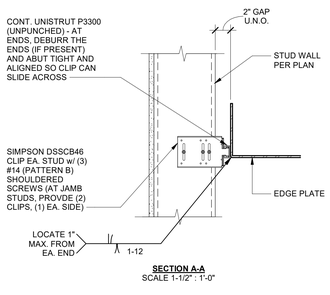


NOTES:
1. DETAIL APPLIES TO ROOF DECK PENETRATIONS ONLY & OPENINGS UP TO 12".
2. EXTEND PLATE 12" MINIMUM BEYOND EDGE OF OPENING, TYPICAL ALL SIDES.
3. MAXIMUM OF (2) WEBS MAY BE CUT.



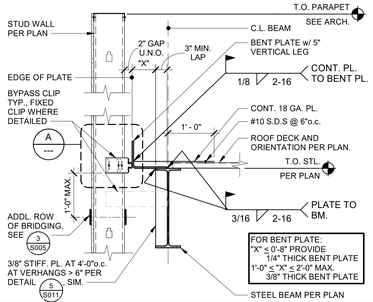
NOTES:
1. DETAIL APPLIES TO ROOF DECK PENETRATIONS ONLY & OPENINGS UP TO 12".
2. EXTEND PLATE 12" MINIMUM BEYOND EDGE OF OPENING, TYPICAL ALL SIDES.

PLATE REINFORCED DECK OPENING — 3/4" = 1'-0" 4

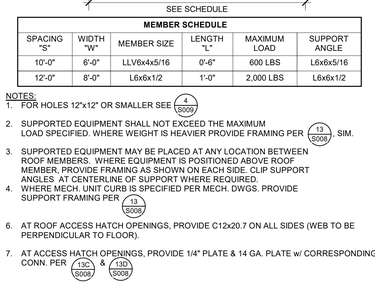


SECTION A-A
SCALE 1-1/2" : 1'-0"

ROOF EDGE CONN. — N.T.S. 24



FRAMING AT ROOF DECK OPENING — N.T.S. 19

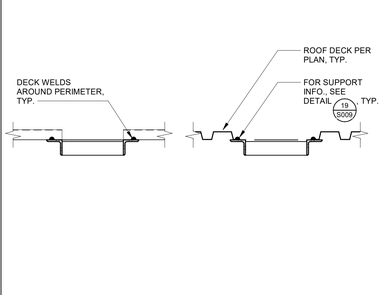


MEMBER SCHEDULE

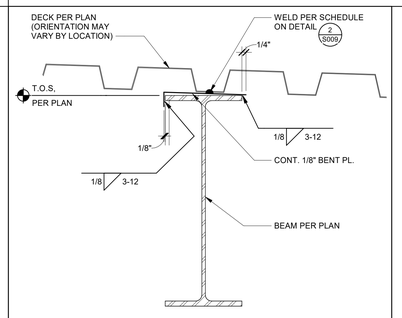
SPACING "S"	WIDTH "W"	MEMBER SIZE	LENGTH "L"	MAXIMUM LOAD	SUPPORT ANGLE
10'-0"	6'-0"	LLV6x4x5/16	0'-6"	600 LBS	L6x6x5/16
12'-0"	8'-0"	L6x6x1/2	1'-0"	2,000 LBS	L6x6x1/2

NOTES:
1. FOR HOLES 12"x12" OR SMALLER SEE 4/S005
2. SUPPORTED EQUIPMENT SHALL NOT EXCEED THE MAXIMUM LOAD SPECIFIED. WHERE WEIGHT IS HEAVIER PROVIDE FRAMING PER 13/S006 SIM.
3. SUPPORTED EQUIPMENT MAY BE PLACED AT ANY LOCATION BETWEEN ROOF MEMBERS. WHERE EQUIPMENT IS POSITIONED ABOVE ROOF MEMBER, PROVIDE FRAMING AS SHOWN ON EACH SIDE. CLIP SUPPORT ANGLES AT CENTERLINE OF SUPPORT WHERE REQUIRED.
4. WHERE MECH. UNIT CURB IS SPECIFIED PER MECH. DWGS. PROVIDE SUPPORT FRAMING PER 12/S008
6. AT ROOF ACCESS HATCH OPENINGS, PROVIDE C12x20.7 ON ALL SIDES (WEB TO BE PERPENDICULAR TO FLOOR).
7. AT ACCESS HATCH OPENINGS, PROVIDE 1/4" PLATE & 14 GA. PLATE w/ CORRESPONDING CONN. PER 13C/S006 & 13D/S008

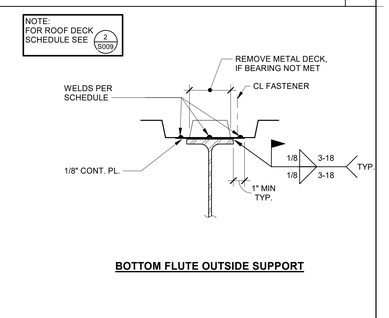
ROOF DRAIN DECK OPENING — N.T.S. 14



SLOPED DECK TO BEAM — N.T.S. 10

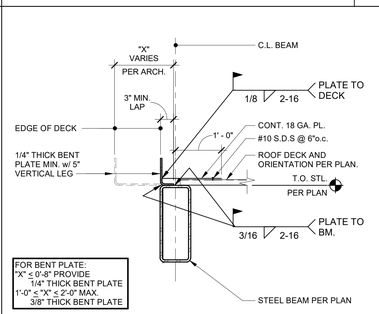


STEEL DECK TO BEAM (UNTOPPED) — N.T.S. 9



BOTTOM FLUTE OUTSIDE SUPPORT

ROOF EDGE CONN. — N.T.S. 20



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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7843 MECHANICAL STATE OF CALIFORNIA

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
TYPICAL DETAILS - METAL DECK

PROJECT NO.
23-12499

DRAWING
S009

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PLOT DATE: 8/17/2026 11:29:10 AM

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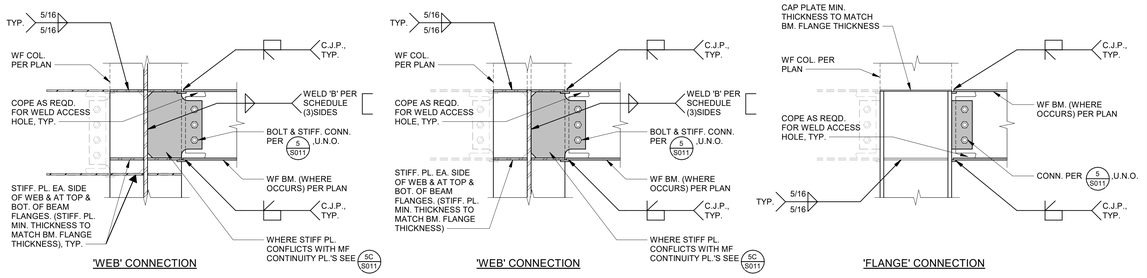
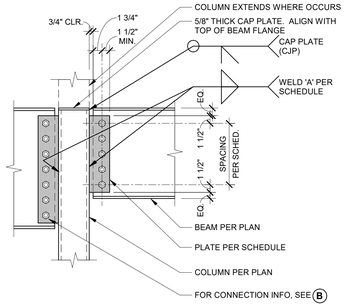
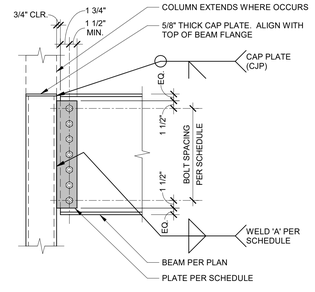


MOMENT CONN. AT COL.

N.T.S. 11



A **BEAM TO HSS COLUMN (ON EACH OR MULTIPLE SIDES)**



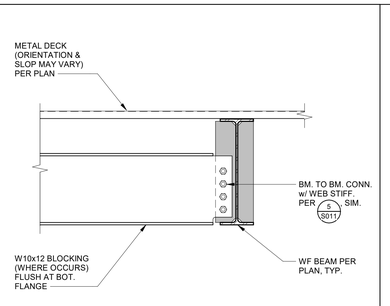
B **BEAM TO HSS COLUMN**

CONNECTION SCHEDULE						
BEAM SIZE	PLATE		WELD SIZE		BOLTS	
	DEPTH	THICKNESS	A	B	NO. & SIZE	SPACING
W8x, C8x	6"	3/8"	5/16	5/16	(2) 3/4"Ø	3"
W10x	8"	3/8"	5/16	5/16	(2) 3/4"Ø	3"
W12x	9"	3/8"	5/16	5/16	(3) 3/4"Ø	3"
W14x	9"	3/8"	5/16	5/16	(3) 3/4"Ø	3"
W16x	12"	3/8"	5/16	5/16	(4) 3/4"Ø	3"
W18x	15"	3/8"	5/16	5/16	(5) 3/4"Ø	3"
W21x	18"	3/8"	5/16	5/16	(6) 3/4"Ø	3"
W24x	20"	1/2"	3/8	3/8	(7) 3/4"Ø	3"
W27x	23"	1/4"	3/8	3/8	(8) 3/4"Ø	3"
W30x	26"	1/4"	3/8	3/8	(9) 3/4"Ø	3"

NOTES:
1. FOR SINGLE ROW (UNLESS NOTED OTHERWISE).
2. ALL BOLTS SHALL BE A325N (U.N.O.)
3. USE ASTM A537 GR. 50 PLATES
4. SEE SIM. DETAIL 20/S011 FOR SLIP-CRITICAL CONNECTIONS (WHERE INDICATED) PER PLAN.
5. FOR CONNECTIONS AT WIDE FLANGE COLUMNS, SEE 5/S011

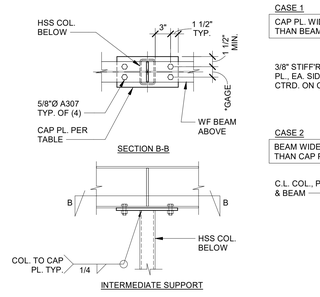
BEAM CONNECTION SCHEDULE (WF BEAM TO HSS COLUMN)

N.T.S. 14



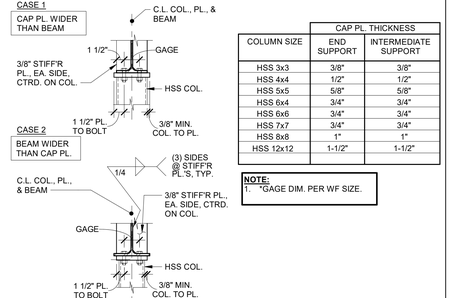
TYPICAL WF BEAM BLOCKING

N.T.S. 20



TYPICAL BEAM ON HSS COLUMN CONNECTION

N.T.S. 10

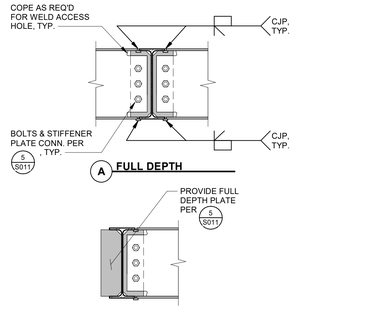


CAP PL. THICKNESS		
COLUMN SIZE	END SUPPORT	INTERMEDIATE SUPPORT
HSS 3x3	3/8"	3/8"
HSS 4x4	1/2"	1/2"
HSS 5x5	5/8"	5/8"
HSS 6x4	3/4"	3/4"
HSS 6x6	3/4"	3/4"
HSS 7x7	3/4"	3/4"
HSS 8x8	1"	1"
HSS 12x12	1-1/2"	1-1/2"

NOTE:
1. *GAGE DIM. PER WF SIZE.

TYPICAL BEAM ON HSS COLUMN CONNECTION

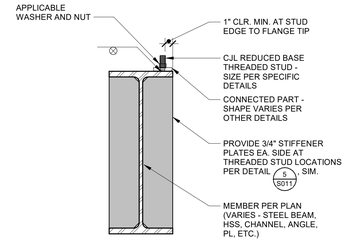
N.T.S. 10



NOTE:
1. PROVIDE CJP WELDS AS INDICATED AT ALL CONDITIONS SHOWN.
2. BEAM(S) MAY BE SLOPED OR SKEWED (WHERE OCCURS) PER PLAN

MOMENT CONNECTION @ BEAM

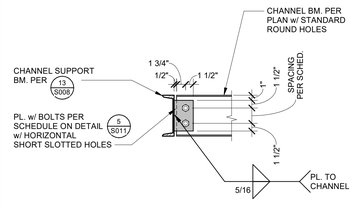
N.T.S. 7



NOTE:
1. WITH CJL STUD, NO INCREASE IN CONNECTED PART HOLE DIAMETER IS REQUIRED.
2. AS OPTION, CFL FULLY THREADED STUD MAY BE UTILIZED. CONNECTED PART HOLE DIAMETER SHALL UTILIZE OVERSIZED HOLES (DIA. + 3/16") AND PROVIDE WELDABLE PLATE WASHER ABOVE CONNECTED PART.

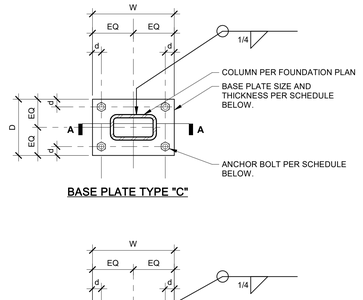
DETAIL

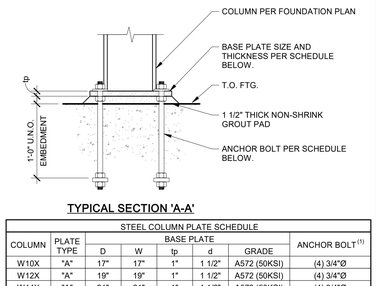
1 1/2" = 1'-0" 8



CHANNEL BEAM CONNECTION

N.T.S. 9





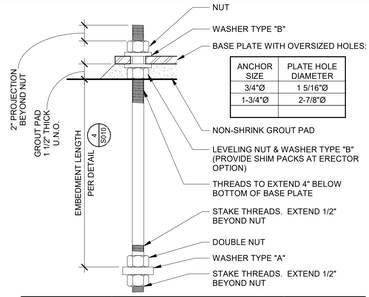
TYPICAL SECTION 'A-A'

STEEL COLUMN PLATE SCHEDULE								
COLUMN	PLATE TYPE	BASE PLATE						ANCHOR BOLT(1)
		D	W	tp	d	GRADE		
W10X	"A"	17"	17"	1"	1 1/2"	A572 (50KSI)		(4) 3/4"Ø
W12X	"A"	19"	19"	1"	1 1/2"	A572 (50KSI)		(4) 3/4"Ø
W14X	"A"	21"	21"	1"	1 1/2"	A572 (50KSI)		(4) 3/4"Ø
HSS4X4	"B"	10"	10"	3/4"	1 1/2"	A36 (36KSI)		(4) 3/4"Ø
HSS5X5	"B"	11"	11"	3/4"	1 1/2"	A36 (36KSI)		(4) 3/4"Ø
HSS5.5X5.5	"B"	11 1/2"	11 1/2"	3/4"	1 1/2"	A36 (36KSI)		(4) 3/4"Ø
HSS6X4	"C"	10"	12"	3/4"	1 1/2"	A36 (36KSI)		(4) 3/4"Ø
HSS6X6	"B"	12"	12"	3/4"	1 1/2"	A36 (36KSI)		(4) 3/4"Ø
HSS12X12	"B"	18"	18"	3/4"	1 1/2"	A36 (36KSI)		(4) 3/4"Ø

NOTES:
1. FOR ADDITIONAL ANCHOR BOLT REQUIREMENTS, SEE DETAIL 5/S010
2. FOR M.F. COL. BASE PLATE, SEE DETAIL 20/S012

STEEL COLUMN BASE PLATE

1" = 1'-0" 4



ANCHOR SIZE	PLATE HOLE DIAMETER
3/4"Ø	1 5/16"Ø
1-3/4"Ø	2-7/8"Ø

ANCHOR ROD		WASHER		HEX NUT
SIZE	MATERIAL	TYPE	SIZE	
3/4"Ø	F1554 GRADE 55	A	1/2"x3"SQ. PLATE W/ 13/16"Ø HOLE CENTERED	ASTM A563
		B	1/4"x2"SQ. PLATE* W/ 13/16"Ø HOLE CENTERED	
1-3/4"Ø	F1554 GRADE 105	A	1"x4-1/2"SQ. PLATE W/ 1-7/8"Ø HOLE CENTERED	ASTM A563
		B	5/8"x4-1/2"SQ. PLATE* W/ 1-7/8"Ø HOLE CENTERED	

*SQUARE WASHERS INDICATED, CIRCULAR WASHERS MEETING THE WASHER SIZE ARE ACCEPTABLE.

ANCHOR BOLT

N.T.S. 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER STEPHEN B. CHANEY No. S7143 STRUCTURAL STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
TYPICAL DETAILS - STEEL

PROJECT NO.
23-12499

DRAWING
S010

PLOT DATE: 8/17/2026 11:29:12 AM

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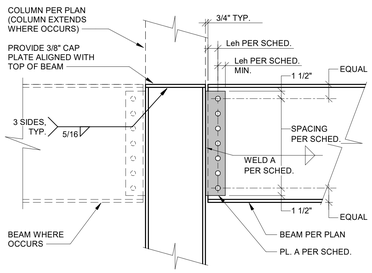
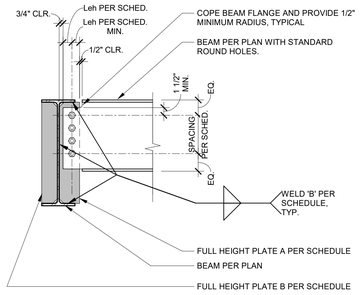
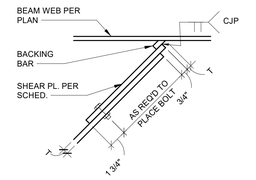


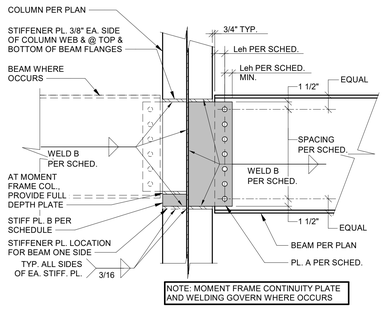
A **WIDE FLANGE BEAM TO COLUMN WEB**



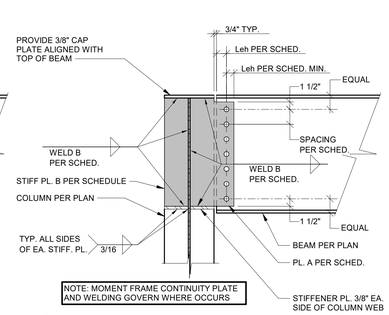
E **WF BEAM AT WF BEAM, EQUAL OR SHALLOWER DEPTH**



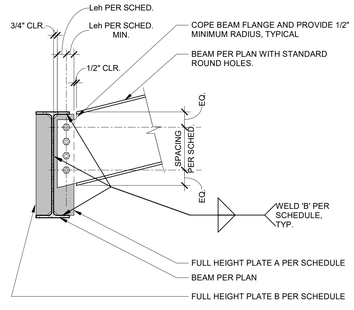
I **SKEWED CONNECTION (N.T.S.)**



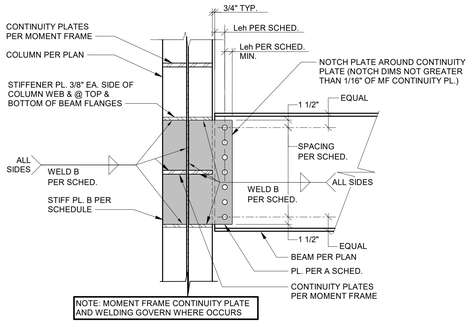
B **WIDE FLANGE BEAM TO COLUMN WEB (BEAMS DIFFERENT HEIGHT)**



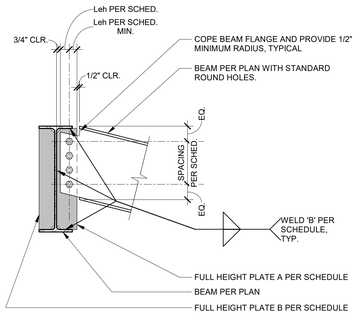
D **WIDE FLANGE BEAM TO COLUMN WEB**



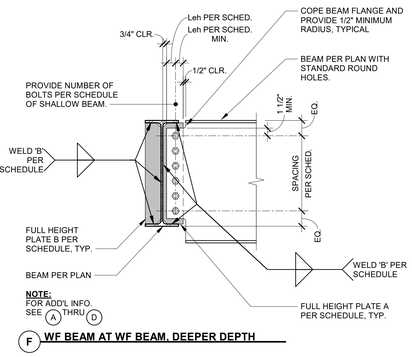
H **MAX SKEW 14 DEG. - WF BEAM AT WF BEAM**



C **WIDE FLANGE BEAM TO COLUMN WEB (BEAMS DIFFERENT HEIGHT)**



G **MAX SKEW 14 DEG. - WF BEAM AT WF BEAM**

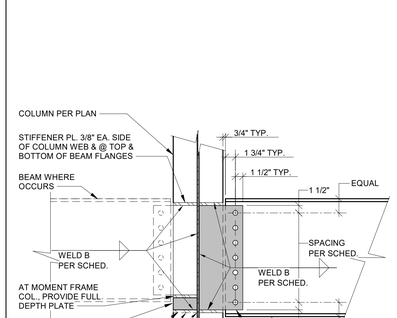


F **WF BEAM AT WF BEAM, DEEPER DEPTH**

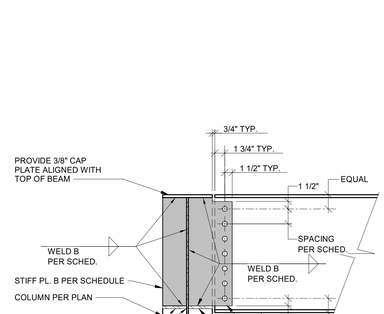
DEMAND CRITICAL (SLIP CRITICAL) CONNECTION SCHEDULE

BEAM SIZE	PLATE		WELD SIZE		WELDS		BOLTS			
	A	B	A	B	C	D	NO.	Ø	SPACING	Leh
W10x	1/2"	5/8"	5/16	5/16	N/A	N/A	(2)	1"	3"	2"
W14x	1/2"	5/8"	5/16	5/16	N/A	N/A	(3)	1"	3"	2"
W16x	1/2"	5/8"	5/16	5/16	N/A	N/A	(4)	1"	3"	2"
W18x	1/2"	5/8"	5/16	5/16	N/A	N/A	(5)	1"	3"	2"
W21x	1/2"	5/8"	5/16	5/16	N/A	N/A	(5)	1"	3"	2"
W24x	3/8"	5/8"	3/8	3/8	N/A	N/A	(6)	1"	3"	2"
W27x	3/8"	5/8"	3/8	3/8	N/A	N/A	(8)	1"	3"	2"
W30x	1/2"	5/8"	3/8	3/8	N/A	N/A	(8)	1"	3"	3"

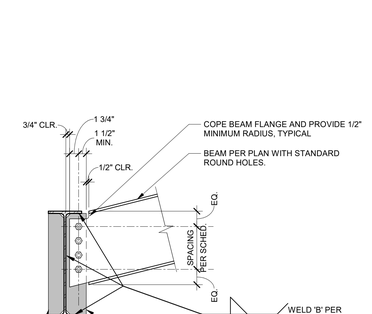
NOTES:
- FOR SINGLE ROW (UNLESS NOTED OTHERWISE)
- ALL BOLTS SHALL BE A490-N SC w/ CLASS A FAYING SURFACE U.N.O.
- USE ASTM A572 GR. 50 PLATE
- ALL WELDS ON DEMAND CRITICAL BEAM CONNECTIONS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS) AND SHALL CONFORM TO DEMAND CRITICAL REQUIREMENTS - SEE GENERAL NOTES.



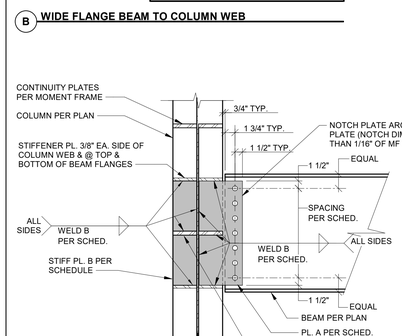
B **WIDE FLANGE BEAM TO COLUMN WEB**



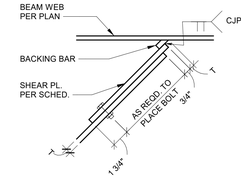
D **WIDE FLANGE BEAM TO COLUMN WEB**



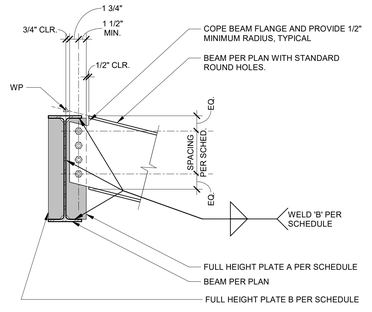
H **MAX SKEW 14 DEG. - WF BEAM AT WF BEAM**



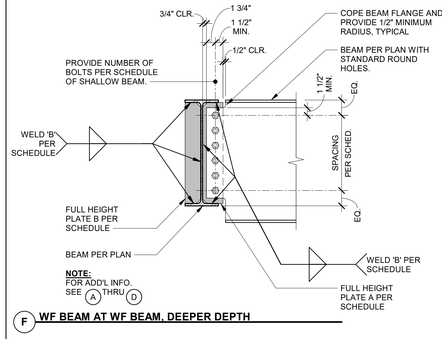
C **WIDE FLANGE BEAM TO COLUMN WEB (BEAMS DIFFERENT HEIGHT)**



I **SKEWED CONNECTION (N.T.S.)**



G **MAX SKEW 14 DEG. - WF BEAM AT WF BEAM**



F **WF BEAM AT WF BEAM, DEEPER DEPTH**

CONNECTION SCHEDULE

BEAM SIZE	PLATE THICKNESS		WELD SIZE		BOLTS	
	A	B	A	B	NO. & SIZE	SPACING
W8x, C8x	3/8"	5/8"	5/16	5/16	(2) 3/4"Ø	3"
W10x	3/8"	5/8"	5/16	5/16	(2) 3/4"Ø	3"
W12x	3/8"	5/8"	5/16	5/16	(3) 3/4"Ø	3"
W14x	3/8"	5/8"	5/16	5/16	(3) 3/4"Ø	3"
W16x	3/8"	5/8"	5/16	5/16	(4) 3/4"Ø	3"
W18x	3/8"	5/8"	5/16	5/16	(5) 3/4"Ø	3"
W21x	3/8"	5/8"	5/16	5/16	(5) 3/4"Ø	3"
W24x	3/8"	5/8"	3/8	3/8	(7) 3/4"Ø	3"
W30x	3/8"	5/8"	3/8	3/8	(9) 3/4"Ø	3"

NOTES:
1. FOR SINGLE ROW (UNLESS NOTED OTHERWISE).
2. ALL BOLTS SHALL BE A325N (U.N.O.)
3. USE ASTM A572 GR. 50 PLATES
4. SEE DETAIL 20/S011 FOR DEMAND-CRITICAL CONNECTIONS PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS) AS INDICATED PER PLAN.
5. FOR CLOSURE PLATES WITHIN COLUMN WHERE NO BEAM OCCURS, SEE 21/S008 & 22/S008 & 23/S008

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

REGISTERED PROFESSIONAL ENGINEER * BRIAN CHANG * No. S7243 * STATE OF CALIFORNIA * STRUCTURAL

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
TYPICAL DETAILS - STEEL

PROJECT NO.
23-12499

DRAWING
S011

PLOT DATE: 8/17/2026 11:29:13 AM

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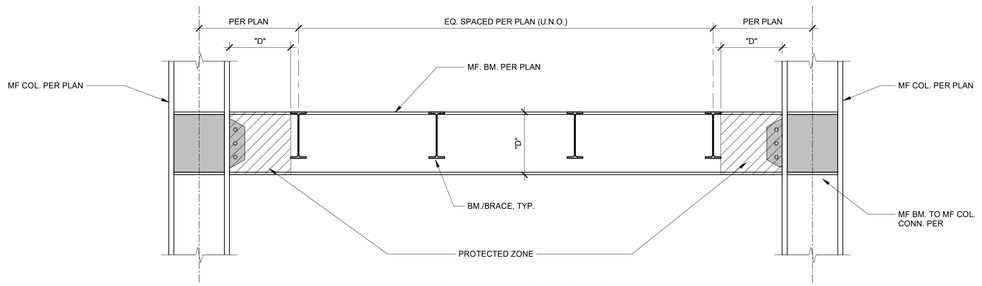
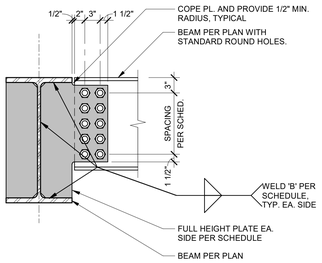


MF BEAM W/ BRACES ELEVATION

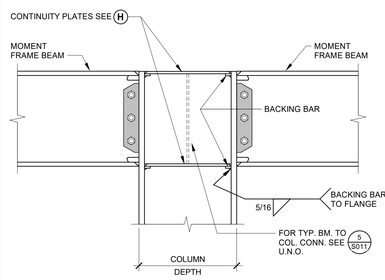


A WF BEAM AT WF BEAM, EQUAL OR SHALLOWER DEPTH

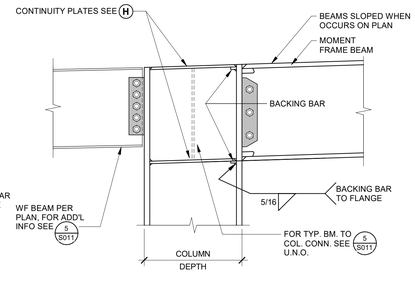
SPECIAL MOMENT FRAME BRACE BEAM CONNECTION SCHEDULE						
BRACE BEAM SIZE	PLATE*		WELD SIZE		BOLTS	
	DEPTH	THICKNESS	A	B	NO. & SIZE*	SPACING
W16x	FULL	5/8"	3/8	3/8	(4) 7/8"Ø	3"
W18x	FULL	1"	1/2	1/2	(5) 1 1/8"Ø	3"
W21x	FULL	1"	1/2	1/2	(6) 1"Ø	3"

NOTES:
* ALL BOLTS SHALL BE A325N
* USE ASTM A572 GR. 50 PLATES

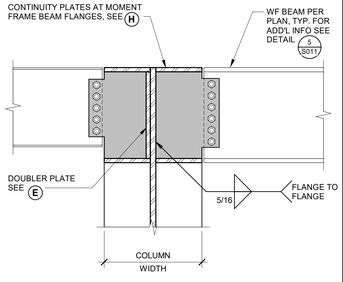
SPECIAL MOMENT FRAME BRACE BEAM CONNECTION — N.T.S. 17



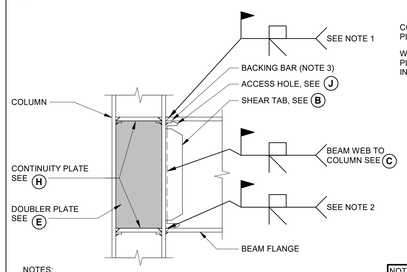
L ELEVATION: MOMENT FRAME BEAM, BOTH SIDE OF COLUMN



M ELEVATION: MOMENT FRAME BEAM, ONE SIDE OF COLUMN

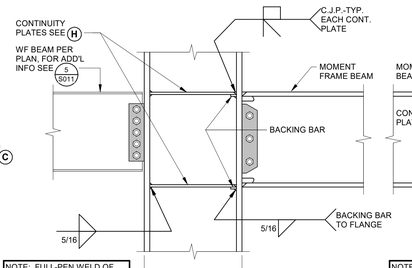


K ELEVATION: MOMENT FRAME COLUMN, BEAM EACH SIDE

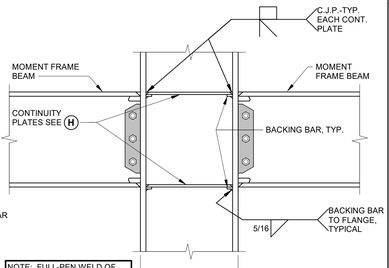


NOTES:
1. COMPLETE PENETRATION GROOVE WELD, EITHER (A) REMOVE WELD BACKING BAR, BACK GOUGE & ADD 5/16" FILLET WELD, OR (B) LEAVE BACKING BAR IN PLACE & ADD 5/16" FILLET UNDER BACKING BAR.
2. COMPLETE PENETRATION GROOVE WELD. REMOVE WELD BACKING BAR, AND PROVIDE REINFORCING FILLET.
   A. IF BACK GOUGED TO SOUND WELD METAL AFTER REMOVAL OF BACKING:
      - FOR FILLET LEG ADJACENT TO COLUMN PROVIDE 5/16" MINIMUM.
      - FOR FILLET LEG ADJACENT TO BEAM FLANGE, THE WIDTH SHALL BE SUCH THAT THE FILLET TOE IS LOCATED ON THE BEAM FLANGE BASE METAL (5/16" MINIMUM).
   B. IF THE BASE METAL AND WELD ROOT ARE GROUND SMOOTH AFTER REMOVAL OF BACKING: THE FILLET LEG ADJACENT TO THE BEAM FLANGE NEED NOT EXTEND TO THE BEAM FLANGE BASE METAL (5/16" MINIMUM).
3. DO NOT WELD (FILLET OR TACK) BACKING BARS TO UNDERSIDE OF BEAM FLANGE.
4. ALL WELDS ON MOMENT FRAMES ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS) AND SHALL CONFORM TO DEMAND CRITICAL REQUIREMENTS - SEE GENERAL NOTES

A BEAM TO COLUMN FLANGE WELD

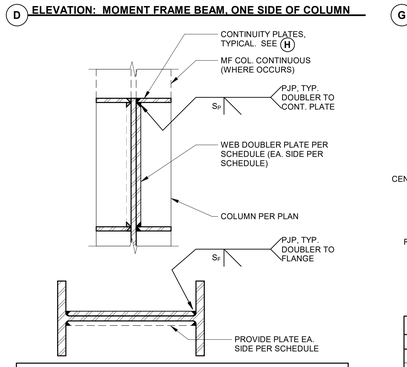


NOTE: FULL-PEN WELD OF CONTINUITY PLATE AT MOMENT FRAME BEAM SIDE OF COLUMN, FILLET WELD @ OPPOSITE SIDE AS SHOWN.



NOTE: FULL-PEN WELD OF CONTINUITY PLATE, BOTH SIDES OF COLUMN, AT MOMENT FRAME BEAM AS SHOWN.

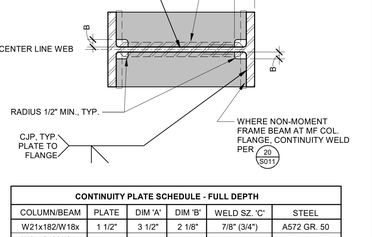
G ELEVATION: MOMENT FRAME BEAM, EACH SIDE OF COLUMN



DOUBLER PLATE SCHEDULE - FULL DEPTH					
COLUMN/BEAM	DOUBLER PLATE	WELD SIZE		STEEL	EA. SIDE
		S_p	S_f		
W21x182/W18x	1 3/8"	1 1/8" (1")	7/8" (3/4")	A572 GR. 50	NO
W21x248/W21x	1 3/8"	1 1/16" (15/16")	7/8" (3/4")	A572 GR. 50	NO
W24x229/W24x	1 3/8"	1 3/16" (1 1/16")	1" (7/8")	A572 GR. 50	NO
W27x217/W24x	1 3/8"	1 3/16" (1 1/16")	1" (7/8")	A572 GR. 50	NO

NOTES:
1. DOUBLER PLATES HALL BE WELDED TO THE COLUMN FLANGES WITH PARTIAL JOINT PENETRATION GROOVE WELDS.
2. DOUBLER PLATES SHALL BE WELDED TO THE CONTINUITY PLATES WITH PARTIAL JOINT PENETRATION GROOVE WELDS.
3. FRAMING MEMBERS CONNECTING TO COLUMN WEB, MAY BE WELDED TO DOUBLER PLATE AS REQUIRED.

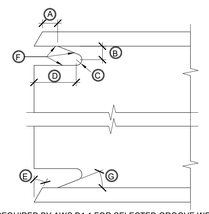
D ELEVATION: MOMENT FRAME BEAM, ONE SIDE OF COLUMN



CONTINUITY PLATE SCHEDULE - FULL DEPTH					
COLUMN/BEAM	PLATE	DIM 'A'	DIM 'B'	WELD SZ. 'C'	STEEL
W21x182/W18x	1 1/2"	3 1/2"	2 1/8"	7/8" (3/4")	A572 GR. 50
W21x248/W21x	1 1/2"	4 3/4"	2 1/4"	7/8" (3/4")	A572 GR. 50
W24x229/W24x	2 1/2"	4 1/2"	2 3/16"	1" (7/8")	A572 GR. 50
W27x217/W24x	2 1/4"	4 3/16"	2 1/8"	15/16" (13/16")	A572 GR. 50

NOTES:
1. ALL CONTINUITY PLATES SHALL EXTEND FULL DEPTH OF COLUMN, MINUS THICKNESS OF COLUMN FLANGES.
2. CONTINUITY PLATES SHALL EXTEND FLUSH WITH COLUMN FLANGE ENDS.
3. REMOVE WELD TABS TO 1/4" MAXIMUM FROM EDGE OF CONTINUITY PLATE. GRIND END OF WELD SMOOTH (500 micro-in), NOT FLUSH. DO NOT GOUGE COLUMN FLANGE.
4. STOP PLATE WELD TO COLUMN WEB 1/4" FROM PLATE NOTCHES.
5. MINIMUM 1/2" RADIUS OF NOTCH TO CLEAR FILLET.
6. WELD TABS SHALL NOT BE USED AT PLATE TO WEB WELDING.
7. DIM 'A' = k + 1 1/2"
8. DIM 'B' = kt + 1/2"

H CONTINUITY PLATES

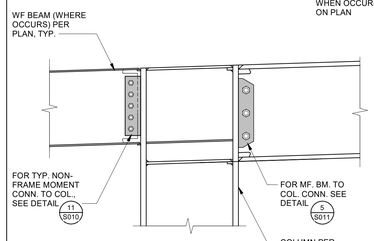


(E) BEVEL AS REQUIRED BY AWS D1.1 FOR SELECTED GROOVE WELD. (30° TYP.) IF LARGER IS USED, A & D SHOULD BE REVISED ACCORDINGLY.
(F) SMOOTHNESS REQUIREMENTS AND CUTTING METHODS PER AISC 358 & FEMA-353.
(G) ANGLE SHALL NOT EXCEED 25 DEGREES.

WELD ACCESS HOLE SCHEDULE				
MEMBER SIZE	(A)	(B)	(C)	(D)
W18x71	1"	1 1/4"	1/2"	3 1/2"
W18x106	1"	1 1/4"	1/2"	3 1/2"
W21x111	1"	1 1/4"	1/2"	3 1/2"
W21x248	2"	2 1/4"	1/2"	7 1/2"
W24x131	1"	1 1/4"	1/2"	3 1/2"
W24x229	1 3/4"	2"	1/2"	6 1/2"
W27x217	1 1/2"	1 3/4"	1/2"	5 1/2"

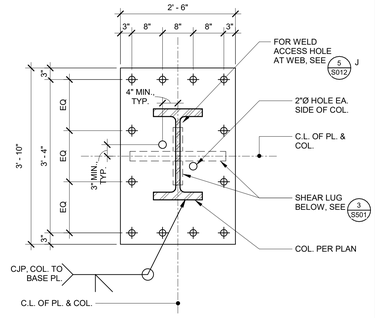
J WELD ACCESS HOLE

SPECIAL MOMENT RESISTANT FRAME (WUF-W) — N.T.S. 5



NOTE:
BEAMS SLOPED WHEN OCCURS ON PLAN

MOMENT FRAME CONN. — N.T.S. 18



PLAN VIEW

MOMENT FRAME COLUMN BASE PLATE SCHEDULE				
PL. THICKNESS	PL. MATERIAL	# OF ANCHOR RODS	ANCHOR ROD Ø	EMBED.
2 3/4"	A572, Gr. 50	12	1 3/4"	SEE NOTE 3

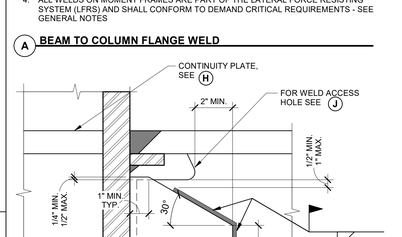
1. FOR ANCHOR ROD DETAIL SEE 5 S010

2. FOR CJP BACKING BAR REQUIREMENTS, SEE **5A/S012** NOTE #2. COLUMN TERM USED THERE SHALL REFER TO BASE PLATE, BEAM TERM USED THERE SHALL REFER TO COLUMN.

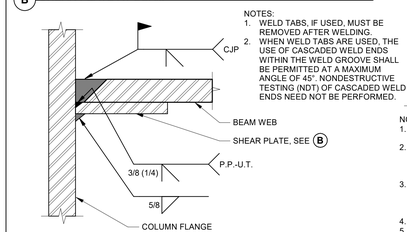
3. TOP OF PLATE WASHER TO BE AT BOTTOM OF REINFORCEMENT.

ALL CONNECTIONS SHOWN HERE ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS) AND SHALL CONFORM TO DEMAND CRITICAL REQUIREMENTS - SEE GENERAL NOTES

WF COLUMN BASE PLATE — N.T.S. 20

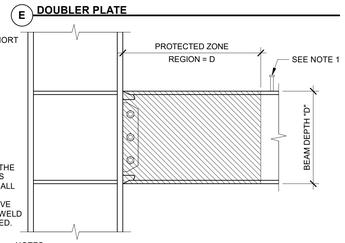


B SHEAR PLATE AT BEAM



NOTES:
1. WELD TABS, IF USED, MUST BE REMOVED AFTER WELDING.
2. WHEN WELD TABS ARE USED, THE USE OF CASCADED WELD ENDS WITHIN THE WELD GROOVE SHALL BE PERMITTED AT A MAXIMUM ANGLE OF 45°. NONDESTRUCTIVE TESTING (NDT) OF CASCADED WELD ENDS NEED NOT BE PERFORMED.

C SHEAR PLATE AT BEAM TO COLUMN FLANGE (PLAN)



E DOUBLER PLATE

NOTES:
1. WELDED SHEAR STUDS SHALL NOT BE PLACED ON BEAM FLANGES WITHIN THE PROTECTED ZONE.
2. CONTRACTOR SHALL VERIFY THAT NO WELDED, BOLTED, SCREWED OR SHOT-IN ATTACHMENTS FOR PERIMETER EDGE ANGLES, EXTERIOR FACADES, PARTITIONS, DUCT WORK, PIPING, OR OTHER CONSTRUCTION OCCUR WITHIN THE PROTECTED ZONE.
3. CONTRACTOR SHALL VERIFY THAT THE PROTECTED ZONE REMAINS CLEARLY MARKED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. IF THESE MARKING ARE OBSCURED IN THE FIELD, SUCH AS AFTER THE APPLICATION OF FIRE PROTECTION, THE CONTRACTOR SHALL RE-MARK THE PROTECTED ZONE.
4. ARC-SPOT WELDING OF METAL DECK WITHIN THE PROTECTED ZONE IS PERMITTED.
5. CONTRACTOR SHALL NOTIFY THE ENGINEER OF FIELD CONDITIONS IN WHICH ZONE DOES NOT COMPLY WITH REQUIREMENTS LISTED HERE.

F PROTECTED ZONE

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REGISTERED PROFESSIONAL ENGINEER * BRIAN CHANG * No. S7743 * CIVIL * STRUCTURAL * STATE OF CALIFORNIA

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ARCHITECTS ENGINEERS CONSULTANTS
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
TYPICAL DETAILS - MOMENT FRAME

PROJECT NO.
23-12499

DRAWING
S012

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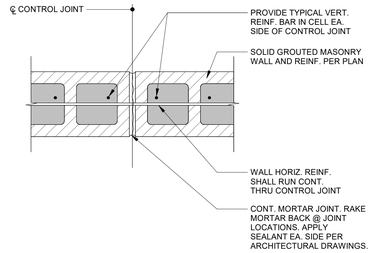
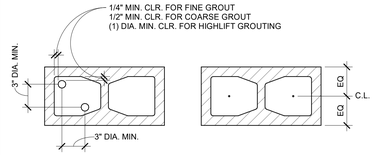
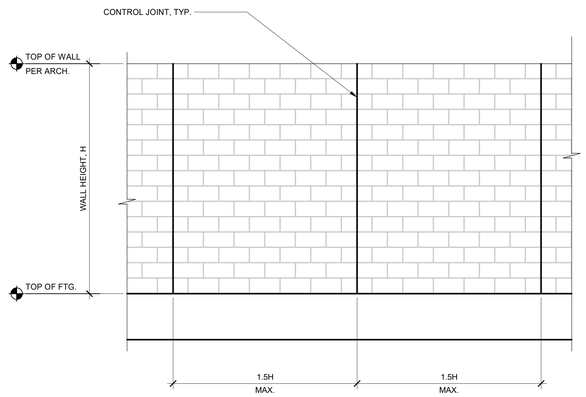


CONC. BLOCK WALL CONTROL JOINT N.T.S. 6



NOTE:
1. DO NOT LOCATE CONDUIT OR PIPES IN CELLS w/ REINFORCING PARALLEL.
2. TOTAL COMBINED AREA OF CONDUIT MAY NOT DISPLACE MORE THAN 6% OF THE CELL AREA.
3. DO NOT EMBED ALUMINUM CONDUIT OR ACCESORIES IN MASONRY, GROUT OR MORTAR UNLESS EFFECTIVELY COATED OR COVERED TO PROVENT CHEMICAL REACTIONS BETWEEN ALUMINUM AND CEMENT OR ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.
4. PIPES SHALL NOT BE EMBEDDED IN MASONRY WHEN: CONTAINING LIQUID, GAS, OR VAPORS AT TEMPERATURES HIGHER THAN 150 DEG F. UNDER PRESSURE IN EXCESS OF 55 PSI, OR CONTAINING WATER OR OTHER LIQUIDS SUBJECT TO FREEZING.

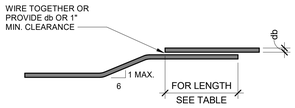
REINF. LOCATION N.T.S. 8



NOTES:
1. CONTROL JOINTS TO BE LOCATED PER ARCH. DWGS.
2. CONTROL JOINTS IN CMU TO BE ALIGNED w/ JOINTS IN CONCRETE FOUNDATIONS WHERE POSSIBLE.
3. CONTROL JOINT SPACING NOT TO EXCEED 1.5H.
4. CONTROL JOINTS PER 6/S013

CMU WALL REINFORCING AND CONTROL JOINT LAYOUT N.T.S. 10

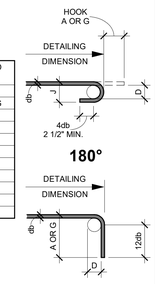
BAR SIZE	CMU f'c = 2,000 PSI			CMU f'c = 2,500 PSI		
	SPLICE[8,8,9,10]	DEVELOPMENT	L_{db}[5]	SPLICE[6,8,9,10]	DEVELOPMENT	L_{db}[5]
#3	27	17	13	27	19	15
#4	36	30	24	36	34	28
#5	45	45	37	45	53	45
#6	54	54	45	54	74	65
#7	63	63	52	63	101	90
#8	72	72	59	72	152	139
#9	82	82	68	82	193	179
#10	92	92	76	92	244	228
#11	102	102	84	102	301	283



NOTES:
1. SCHEDULE IS FOR 60,000 PSI STEEL.
2. ALL CMU CELLS WITH REINFORCING SHALL BE FULLY GROUTED.
3. SPLICE AND DEVELOPMENT LENGTH ARE IN INCHES.
4. HOOKED BARS ARE VERTICAL OR HORIZONTAL BARS TERMINATING WITH STANDARD HOOKS THAT COMPLY WITH DETAIL 4/S013.
5. CLEAR SPACING BETWEEN BARS BEING SPLICED OR DEVELOPED SHALL BE 1 BAR DIAMETER OR 1 INCH (MIN.).
6. SCHEDULE IS FOR CMU WITH A MINIMUM COMPRESSIVE STRENGTH LISTED AT 28 DAYS.
7. WHEN SPLICING TWO BARS OF DIFFERING DIAMETER, THE SPLICE LENGTH FOR THE LARGER BAR SHALL GOVERN.
8. BARS SPLICED BY NON-CONTACT LAP SPLICES SHALL NOT BE SPACED FARTHER APART THAN THE LESSER OF ONE-FIFTH THE REQUIRED LENGTH OR 8".
9. ADJACENT SPLICES SHALL BE STAGGERED AT LEAST 24 BAR DIAMETERS.

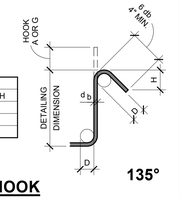
REINF. BAR SPLICE FOR MASONRY N.T.S. 2

BAR SIZE "db"	D	DIMENSIONS OF STANDARD HOOKS ALL GRADES		
		180°		90°
		A or G	J	A or G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	1'-0"
#7	5 1/4"	10"	7"	1'-2"
#8	6"	1'1"	8"	1'-4"
#9	9 1/2"	1'-3"	11 3/4"	1'7"
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"
#11	12"	1'-7"	1'-2 3/4"	2'-0"



STANDARD HOOK

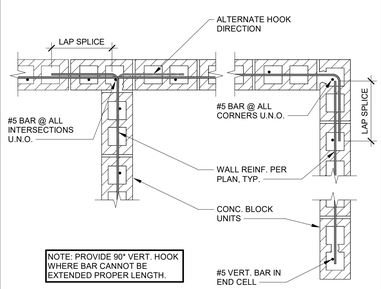
BAR SIZE	D "db"	135° SEISMIC HOOK	
		A or G	APPROX. H
#3	1 1/2"	5"	3 3/4"
#4	2"	5 1/2"	4"
#5	2 1/2"	6"	4 1/4"



STIRRUP w/ HOOK

NOTES:
1. 135-DEG COLUMN TIE HOOKS MAY NOT BE BENT TO LESS DIAMETER OF VERTICAL BAR ENCLOSED IN HOOK.
2. INSIDE DIAMETER OF BENDS IN WELDED WIRE FABRIC, PLAIN OR DEFORMED, FOR STIRRUPS AND TIES SHALL BE AT LEAST FOUR WIRE DIAMETERS FOR WIRE LARGER THAN D8 OR W8 AND TWO WIRE DIAMETERS FOR ALL OTHER WIRES. BENDS WITH INSIDE DIAMETER OF LESS THAN EIGHT WIRE DIAMETER SHALL BE LESS THAN FOUR DIAMETERS FROM THE NEAREST WELD INTERSECTION.

HOOK AND STIRRUP N.T.S. 4



CONC. BLOCK CORNER N.T.S. 5

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DRAWING TITLE
TYPICAL DETAILS - MASONRY

PROJECT NO.
23-12499

DRAWING
S013

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COLUMN SCHEDULE		
TYPE	**DESCRIPTION**	**COMMENTS**
C1	W10X60	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C2	W12X72	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C3	W14X132	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C4	W21X248	U.N.O. FOR BASE PLATE SEE **20 / S012** .
C5	W24X229	U.N.O. FOR BASE PLATE SEE **20 / S012** .
C6	W27X217	U.N.O. FOR BASE PLATE SEE **20 / S012** .
C7	HSS4X4X1/4	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C8	HSS5X5X3/8	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C9	HSS5X5X1/2	U.N.O. FOR BASE PLATE SEE **9 / S500** .
C10	HSS6X4X3/8	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C11	HSS12X12X3/8	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C12	HSS6X6X1/4	U.N.O. FOR BASE PLATE SEE **4 / S010** .
C13	W12X96	U.N.O. FOR BASE PLATE SEE **4 / S010** .

FOUNDATION SCHEDULE		
TYPE	**SIZE**	**REINFORCEMENT**
CONTINUOUS FOOTING		
CF1.5	1'-6" WIDE x 1'-6" DP. CONT.	(2) #5 CONT. TOP & BOT. & #3 TIES @ 18" o.c.
CF6	6'-0" WIDE x 3'-0" DP. CONT.	(10) #7 TOP & (11) #8 BOT. w/ #3 4-LEG TIES @ 12"o.c.
CF7	7'-0" WIDE x 3'-0" DP. CONT.	(11) #7 TOP & (11) #8 BOT. w/ #3 4-LEG TIES @ 12"o.c.
CF8	8'-0" WIDE x 3'-6" DP. CONT.	(13) #7 TOP & (13) #8 BOT. w/ #3 4-LEG TIES @ 12"o.c.
PAD FOOTINGS		
F3	3'-0" SQ. x 1'-6" DP.	(4) #5 TOP & BOT. EA. WAY
F5	5'-0" SQ. x 1'-6" DP.	(6) #6 TOP & BOT. EA. WAY
F6	6'-0" SQ. x 1'-6" DP.	(7) #6 TOP & BOT. EA. WAY
F7	7'-0" SQ. x 2'-0" DP.	(8) #6 TOP & BOT. EA. WAY
F8	8'-0" SQ. x 2'-0" DP.	(8) #7 TOP & BOT. EA. WAY
F10	10'-0" SQ. x 2'-0" DP.	(10) #7 TOP & BOT. EA. WAY
F11	11'-0" SQ. x 2'-0" DP.	(11) #7 TOP & BOT. EA. WAY
F12	11'-2" x 9'-10" x 1'-6" DP.	#5 @ 12" O.C., TOP & BOT., EA. WAY

FOUNDATION NOTES

1. THE GENERAL NOTES AND TYPICAL DETAILS SHOWN ON THE S0XX SERIES SHEETS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK, SEE SHEET SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
2. SCHEDULES AND NOTES APPLY TO THIS SHEET ONLY.
3. UNCLEAR, CONFLICTING, AND/OR MISSING INFORMATION SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO FIELD VERIFY ANY EXISTING INFORMATION.
5. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.
6. ALL GRIDLINES ARE TO FACE OF STUD OR CENTERLINE OF COLUMN, U.N.O.
7. ALL DIMENSIONS ARE TAKEN TO GRIDLINES, FACE OF WALL, OR CENTER OF COLUMNS, U.N.O. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
8. SEE ARCHITECTURAL DRAWINGS FOR WALL DIMENSIONS NOT SHOWN.
9. ALL COLUMNS ARE TO BE CENTERED ON PAD FOOTINGS AND IN WALLS, U.N.O.
10. ALL CONTINUOUS FOOTINGS TO BE TYPE (CF1.5), U.N.O.
11. SEE CIVIL PLANS AND/OR SITE PLAN FOR LOCATION AND DIMENSIONS OF SIDEWALKS, RAMPS, EXTERIOR SLABS, MOW STRIPS, AND PLANTERS.
12. ALL EXTERIOR CONCRETE SLABS ARE TO BE POURED SEPARATELY.
13. SLAB THICKNESS TO BE CONSTANT WHERE SLABS SLOPE TO DRAIN.
14. FOR BUILDING PAD SOIL PREPARATION AND VAPOR RETARDER, SEE DETAIL 15/S002
15. SEE ARCHITECTURAL FOR SLAB DEPRESSION EXTENTS & LOCATIONS, SLAB SLOPES.
16. CONCRETE SLABS ARE FINISH SURFACES AS INDICATED ON ARCHITECTURAL FINISH FLOOR PLANS. NO TEMPORARY FASTENING, HOLES OR DEFORMATIONS ARE ALLOWED.
17. FOR SLAB ON GRADE JOINT DETAILING, SEE 1/S003 & 2/S003
18. ALL EMBEDDED ITEMS SHALL BE IN PLACE AND SECURE PRIOR TO POURING OF CONCRETE.
19. TOP OF FOOTING (T.O.F.) SHALL BE **(-) 1'-6"**, U.N.O.
20. ALL ELEVATIONS ARE ESTABLISHED FROM AND RELATIVE TO FIRST FLOOR FINISHED SLAB (0'-0" DATUM), U.N.O. FOR ACTUAL ELEVATIONS, SEE CIVIL DRAWINGS.
21. FOR PIPES/CONDUITS NEAR TO OR INTERSECTING FOUNDATIONS, SEE DETAIL 20/S002
22. SEE ARCHITECTURAL DRAWINGS FOR WALL STUD SIZES AND SPACING, U.N.O.
23. FOR TYPICAL WALL FRAMING SEE DETAIL 4/S004
24. FOR INTERIOR NON-BEARING WALL LOCATIONS SEE ARCHITECTUAL DRAWINGS. FOR WALL FRAMING SEE DETAIL 4/S004
25. FOR SILL PLATE ATTACHMENT AT INTERIOR NON-BEARING WALLS SEE DETAILS 4/S004 & 5/S004
26. FOR TYPICAL INTERIOR COLUMN FOOTING DETAIL, SEE 14/S500 FOR INTERIOR PARTIAL HEIGHT WALLS PER ARCHITECTURAL DRAWINGS, SEE 6/S500 & 16/S500
27. FOR TYPICAL EXTERIOR COLUMN FOOTING DETAILS, SEE 10/S500
28. FOR MOMENT FRAME COLUMN FOOTING DETAILS, SEE ELEVATIONS.
29. PROVIDE AESS AT ALL EXPOSED STEEL FRAMING PER NOTE #18 OF THE STRUCTURAL STEEL NOTES ON SHEET S001.
30. PROVIDE INTEGRAL COLORED CONCRETE AS INDICATED ON ARCHITECTURAL DRAWINGS. SEE DETAIL 1/S003 FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.

LEGEND

- GRID BUBBLE AND NUMBER. SEE ARCHITECTURAL DRAWING PACKAGE FOR DETAILED DIMENSIONS OF ALL GRIDS SHOWN.
- 1/S400 — SECTION/ ELEVATION MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- 1/S700 — DETAIL MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- ELEVATION MARK — T.O.W. (+) 0'-0" — T.O.W. = TOP OF WALL, T.O.F. = TOP OF FOOTING, T.O.S. = TOP OF STEEL
- FX — PAD FOOTING TAG. SEE FOUNDATION SCHEDULE FOR ADDITIONAL INFORMATION.
- CFX — CONTINUOUS FOOTING TAG. SEE FOUNDATION SCHEDULE FOR ADDITIONAL INFORMATION.
- CX — COLUMN TAG. SEE COLUMN SCHEDULE FOR ADDITIONAL INFORMATION.
- CONCRETE FOOTING.
- -2" — INDICATES AREA AND DEPTH OF SLAB DEPRESSION. SEE ARCHITECTURAL DRAWINGS AND DETAIL 1/S003
- INDICATES METAL STUD WALLS. FOR STUD SIZES, SPACING AND ARCHITECTURAL WALL TYPES, SEE ARCHITECTURAL DRAWINGS. FOR TYPICAL WALL FRAMING SEE DETAIL 4/S004
- INDICATES 6" HIGH CONCRETE CURB. SEE ARCHITECTURAL FOR CURB WIDTH
- S ---- S — INDICATES STEPPED FOOTING PER DETAIL 12/S002 STEP OCCURING AT TIE FOOTING MAY SLOPE FOR ELEVATION CHANGE.
- INDICATES FLOOR DRAIN. SEE PLUMBING FOR ADDITIONAL INFORMATION.
- INDICATES FLOOR BOX. SEE ELECTRICAL DRAWINGS & 12/S003

NORTH

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: FOUNDATION PLAN

PROJECT NO. 23-12499

DRAWING S100

PLOT DATE: 8/17/2026 11:29:21 AM

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SLAB EDGE PLAN NOTES

1. THE GENERAL NOTES AND TYPICAL DETAILS SHOWN ON THE S0XX SERIES SHEETS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. SEE SHEET SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
2. UNCLEAR, CONFLICTING, AND/OR MISSING INFORMATION SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO CONSTRUCTION.
3. ALL GRIDLINES ARE TO FACE OF STUD OR CENTERLINE OF COLUMN, U.N.O.
4. ALL DIMENSIONS ARE TAKEN TO GRIDLINES, FACE OF WALL, OR CENTER OF COLUMNS, U.N.O. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
5. ALL COLUMNS ARE TO BE CENTERED ON PAD FOOTINGS AND IN WALLS, U.N.O.
6. SEE CIVIL PLANS AND/OR SITE PLAN FOR LOCATION AND DIMENSIONS OF SIDEWALKS, RAMPS, EXTERIOR SLABS, MOW STRIPS, AND PLANTERS.
7. FOR FLOOR DRAIN, DATA, AND FLOOR BOX LOCATIONS REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY PLANS.
8. ALL EXTERIOR CONCRETE SLABS ARE TO BE POURED SEPARATELY.
9. SLAB THICKNESS TO BE CONSTANT WHERE SLABS SLOPE TO DRAIN.
10. SEE ARCHITECTURAL FOR SLAB DEPRESSION EXTENTS & LOCATIONS, SLAB SLOPES.
11. CONCRETE SLABS ARE FINISH SURFACES AS INDICATED ON ARCHITECTURAL FINISH FLOOR PLANS. NO TEMPORARY FASTENING, HOLES OR DEFORMATIONS ARE ALLOWED.
12. FOR SLAB ON GRADE JOINT DETAILING, SEE 1/S003 & 2/S003
13. PROVIDE REENTRANT CORNER REINFORCING AT ALL PITS AND TRENCHES PER DETAIL 14/S003
14. ALL EMBEDDED ITEMS SHALL BE IN PLACE AND SECURE PRIOR TO POURING OF CONCRETE.
15. ALL ELEVATIONS ARE ESTABLISHED FROM AND RELATIVE TO FIRST FLOOR FINISHED SLAB (0'-0" DATUM), U.N.O. FOR ACTUAL ELEVATIONS, SEE CIVIL DRAWINGS.
16. PROVIDE INTEGRAL COLORED CONCRETE AS INDICATED ON ARCHITECTURAL DRAWINGS. SEE DETAIL 1/S003 FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.

LEGEND

- (#) GRID BUBBLE AND NUMBER. SEE ARCHITECTURAL DRAWING PACKAGE FOR DETAILED DIMENSIONS OF ALL GRIDS SHOWN.
- 1/S400 SECTION/ ELEVATION MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- 1/S700 DETAIL MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- T.O.W. (+) 0'-0" ELEVATION MARK
  T.O.W. = TOP OF WALL
  T.O.F. = TOP OF FOOTING
  T.O.S. = TOP OF STEEL
- -2" INDICATES AREA AND DEPTH OF SLAB DEPRESSION. SEE ARCHITECTURAL DRAWINGS AND DETAIL 2/S003
- INDICATES 6" HIGH CONCRETE CURB. SEE ARCHITECTURAL FOR CURB WIDTH
- INDICATES FLOOR BOX. SEE ELECTRICAL DRAWINGS & 12/S003
- C.J. INDICATES CONTROL JOINTS. LAYOUT SHOWN IS PRELIMINARY. FINAL LAYOUT TO BE DETERMINED BY G.C. VERIFY SPACING PER CONCRETE MIX, PLACEMENT, AND FINSIH SHEET SPECIFICATION. SEE DETAIL 1/S003 & 2/S003
- INDICATES A COLUMN BLOCKOUT, SEE DETAIL 9/S003
- INDICATES AREA WITH INTEGRAL COLORED CONCRETE AS INDICATED ON ARCHITECTURAL DRAWINGS SHEET **A901**. FOR ADDITIONAL SLAB REINFORCEMENT REQUIREMENTS, SEE DETAIL 1/S003

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN C. CHANG No. S7843 MECHANICAL STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
SLAB EDGE PLAN

PROJECT NO.
23-12499

DRAWING
S101

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SECOND FLOOR BALCONY DESIGN LOADS

FLOOR DEAD LOAD	
FD - CONC. o/ VERSA-DEK 3.5 LS DOVETAIL (6 1/2" TOTAL)	68.0 PSF
CONDUIT, ELECTRICAL	0.5 PSF
MISCELLANEOUS	1.5 PSF
TOTAL (w/ FD DECK)	**70.0 PSF**
FLOOR LIVE LOAD	
LIVE LOAD	100.0 PSF

SECOND FLOOR DESIGN LOADS

FLOOR DEAD LOAD	
CARPET & PAD	1.0 PSF
3/8" CONCRETE OVERPOUR	4.7 PSF
FW1 - CONC. o/ VERSA-DEK 3.0CD (6 1/2" TOTAL)	60.0 PSF
(FW2 - CONC. o/ VERSA-DEK 2.0CD (6 1/2" TOTAL))	(66.0 PSF)
(FDA - CONC. o/ VERSA-DEK 3.5 LS ACOUSTICAL (6 1/2" TOTAL))	(57.0 PSF)
SUSPENDED CEILING	2.0 PSF
CONDUIT, ELECTRICAL	0.5 PSF
SPRINKLERS	2.0 PSF
MECHANICAL DUCT WORK	1.0 PSF
PARTITIONS	10.0 PSF
MISCELLANEOUS	1.3 PSF
TOTAL (w/ FW1 DECK)	**84.0 PSF**
TOTAL (w/ FW2 DECK)	**(90.0 PSF)**
TOTAL (w/ FDA DECK)	**(81.0 PSF)**
FLOOR LIVE LOAD	
LIVE LOAD	100.0 PSF

ROOF DESIGN LOADS

FLOOR DEAD LOAD	
SINGLE-PLY ROOFING + RE-ROOF	5.0 PSF
RIGID INSULATION- POLYSTYRENE FOAM	1.5 PSF
3/8" CONCRETE OVERPOUR	4.7 PSF
FW1 - CONC. o/ VERSA-DEK 3.0CD (6 1/2" TOTAL)	60.0 PSF
SUSPENDED CEILING	2.0 PSF
CONDUIT, ELECTRICAL	0.5 PSF
SPRINKLERS	2.0 PSF
MECHANICAL DUCT WORK	1.0 PSF
MISCELLANEOUS	1.3 PSF
TOTAL (w/ FW1 DECK)	**78.0 PSF**
ROOF LIVE LOAD	
LIVE LOAD	20.0 PSF

FLOOR FRAMING NOTES

1. THE TYPICAL DETAILS SHOWN ON THE S0XX SERIES SHEETS SHALL APPLY IN ALL CASES, UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. SEE SHEET SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
2. UNCLEAR, CONFLICTING AND/OR MISSING INFORMATION SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION.
3. ALL DIMENSIONS ARE TO FACE OF WALL STUD OR CENTER OF COLUMN, U.N.O. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. SEE FOUNDATION PLAN FOR COLUMNS SHOWN BUT NOT NOTED.
5. ALL ELEVATIONS ARE ESTABLISHED FROM AND RELATIVE TO FIRST FLOOR FINISHED SLAB (0'-0" DATUM), U.N.O. FOR ACTUAL ELEVATIONS, SEE CIVIL DRAWINGS.
6. STEEL MEMBERS ARE EQUALLY SPACED BETWEEN DIMENSION POINTS, U.N.O., AND SHALL FRAME TO CENTERLINE OF COLUMNS OR WORK POINT.
7. SEE ARCHITECTURAL DRAWINGS FOR WALL STUD SIZES AND SPACING, U.N.O.
8. SEE DETAILS FOR TYPICAL DECK TO BEAM CONNECTION CONDITIONS AT ALL STRUCTURAL MEMBERS. ENSURE FLUTE OF METAL DECK LANDS ON BEAM/JOIST. IF DECK FLUTE DOES NOT FULLY LAND ON MEMBERS, SEE DETAIL 14/S007
9. DO NOT SUSPEND PIPING, MAIN LINE CONDUITS OR OTHER UTILITIES FROM METAL DECK ALONE. PRIMARY ATTACHMENT FOR T-BAR CEILING WITH LIGHT FIXTURES AND SOFFIT FRAMING SHALL BE TO STRUCTURE. ATTACHMENT TO CONC. o/ METAL DECK IS ACCEPTABLE FOR INTERMEDIATE SUPPORTS. HANGING LOADS SHALL BE SUPPORTED PER DETAIL 1/S008
10. DO NOT PLACE PIPES IN CONCRETE FILL OVER METAL DECK. WHERE NECESSARY, CONDUITS SHALL BE PLACED PER DETAIL 24/S007
11. ALL MECHANICAL UNITS SHALL BE VERIFIED WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION. SEE MECHANICAL DRAWINGS.
12. SEE ARCHITECTURAL PLANS FOR PLUMBING PENETRATIONS.
13. FOR TYPICAL FRAMING AT MECHANICAL OPENINGS, SEE DETAIL 5/S007
14. HEADERS: FOR HEADERS SHOWN BUT NOT NOTED AND FOR TYPICAL WALL OPENING SEE DETAIL 4/S004
15. NON-STRUCTURAL STUD WALLS ARE NOT SHOWN. FOR LOCATIONS SEE ARCHITECTURAL DRAWINGS.
16. FOR STEEL BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS, SEE DETAILS FOR WF COLUMNS AND DETAILS 5/S011 & 10/S010 & 14/S010 FOR HSS COLUMNS.
17. FOR TYPICAL TOP OF HSS COLUMN BRACING AT LARGE WALL OPENING JAMBS, SEE DETAIL 1/S006
18. BEAMS AT FLOOR OPENINGS SHALL BE PLACED 6" FROM EDGE OF OPENING, TYPICAL U.N.O. FOR THE 6" TYPICAL CONDITION, CLOSURE PLATES SHALL BE AS NOTED PER DECK SCHEDULE ON DETAIL 5/S007 . EXCLUDES BEAM AT ELEVATOR.
19. SEE ARCHITECTURAL FOR DETAILS AT ELEVATOR DOOR SILL AND SHAFT WALL CONSTRUCTION.
20. PROVIDE AESS AT ALL EXPOSED STEEL FRAMING PER NOTE #18 OF THE STRUCTURAL STEEL NOTES ON SHEET S001.
21. FOR ALL EXPOSED STEEL FRAMING, PROVIDE PLACEMENT OF BEAM CONNECTION AS FOLLOWS:
    - A. AT BEAMS ALONG PERIMETER
        - a. SHEAR TAB AND BOLT HEADS FACING INWARD
    - B. AT BEAMS SPANNING N-S:
        - a. SHEAR TAB AND BOLT HEADS FACING EAST
    - C. AT BEAMS SPANNING E-W:
        - a. SHEAR TAB AND BOLT HEADS FACING NORTH
22. PRIOR TO PLACEMENT OF CONCRETE TOPPING ON SECOND FLOOR PROVIDE POSITIVE ATTACHMENT OF HSS POST FROM SECOND FLOOR TO ROOF LEVEL.

LEGEND

- GRID BUBBLE AND NUMBER. SEE ARCHITECTURAL DRAWING PACKAGE FOR DETAILED DIMENSIONS OF ALL GRIDS SHOWN.
- 1/S400 — SECTION/ ELEVATION MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- 1/S700 — DETAIL MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- T.O.S. (+) 0'-0" — ELEVATION MARK. T.O.W. = TOP OF WALL; T.O.F. = TOP OF FOOTING; T.O.S. = TOP OF STEEL
- CX — COLUMN TAG. SEE COLUMN SCHEDULE ON FOUNDATION PLAN FOR ADDITIONAL INFORMATION.
- INDICATES STUD WALLS ABOVE FLOOR FRAMING LEVEL. FOR STUD SIZES, SPACING AND ARCHITECTURAL WALL TYPES, SEE ARCHITECTURAL DRAWINGS. FOR WALL FRAMING SEE DETAIL 4/S004
- INDICATES STUD WALL BELOW FRAMING LEVEL.
- W16x26* (n=12) (c=1") — FRAME BEAM ID. n = NUMBER OF STUDS*; c = CAMBER; * = SPECIAL CONNECTION AT MOMENT FRAME PER 17/S012. (FOR EXPOSED SHEAR TAB PLACEMENT, SEE FRAMING NOTE #21) *WHERE NO STUDS INDICATED, PROVIDE STUDS AT 24"o.c., SEE DETAIL 3/S007
- FD — STEEL DECK W/ CONCRETE TOPPING (ARROWS INDICATES DECK SPAN DIRECTION). FOR ADDITIONAL INFORMATION SEE 2/S007. PROVIDE INTEGRAL COLORED CONCRETE AS INDICATED ON ARCHITECTURAL DRAWINGS.
- -2" — INDICATES AREA AND DEPTH OF SLAB DEPRESSION. SEE ARCHITECTURAL DRAWINGS AND DETAIL 25/S007
- INDICATES FLOOR DECK OPENING, SEE DETAIL 5/S007
- INDICATES MOMENT FRAME CONNECTION. SEE DETAIL 5/S012 FOR ADDITIONAL INFORMATION
- INDICATES CONNECTION TO BE MADE WITH A490 BOLTS w/ CLASS A FAYING SURFACE. FOR SIZE AND QUANTITY OF BOLTS SEE DETAIL 20/S011. MEMBERS WITH THESE CONNECTIONS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS).
- INDICATES CANTILEVERED MOMENT CONNECTION AT MAIN BUILDING INTERIOR WF BEAMS, SEE DETAILS 11/S010 & 7/S010
- INDICATES CANTILEVERED MOMENT CONNECTION AT BALCONY/CANOPY HSS BEAMS, SEE DETAILS 2/S810
- INDICATES FLOOR BOX. SEE ELECTRICAL DRAWINGS.

NORTH

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER — BRIAN CHANG — No. S7243 — CIVIL — STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: FLOOR FRAMING PLAN

PROJECT NO. 23-12499

DRAWING S200

PLOT DATE: 8/17/2026 11:29:29 AM

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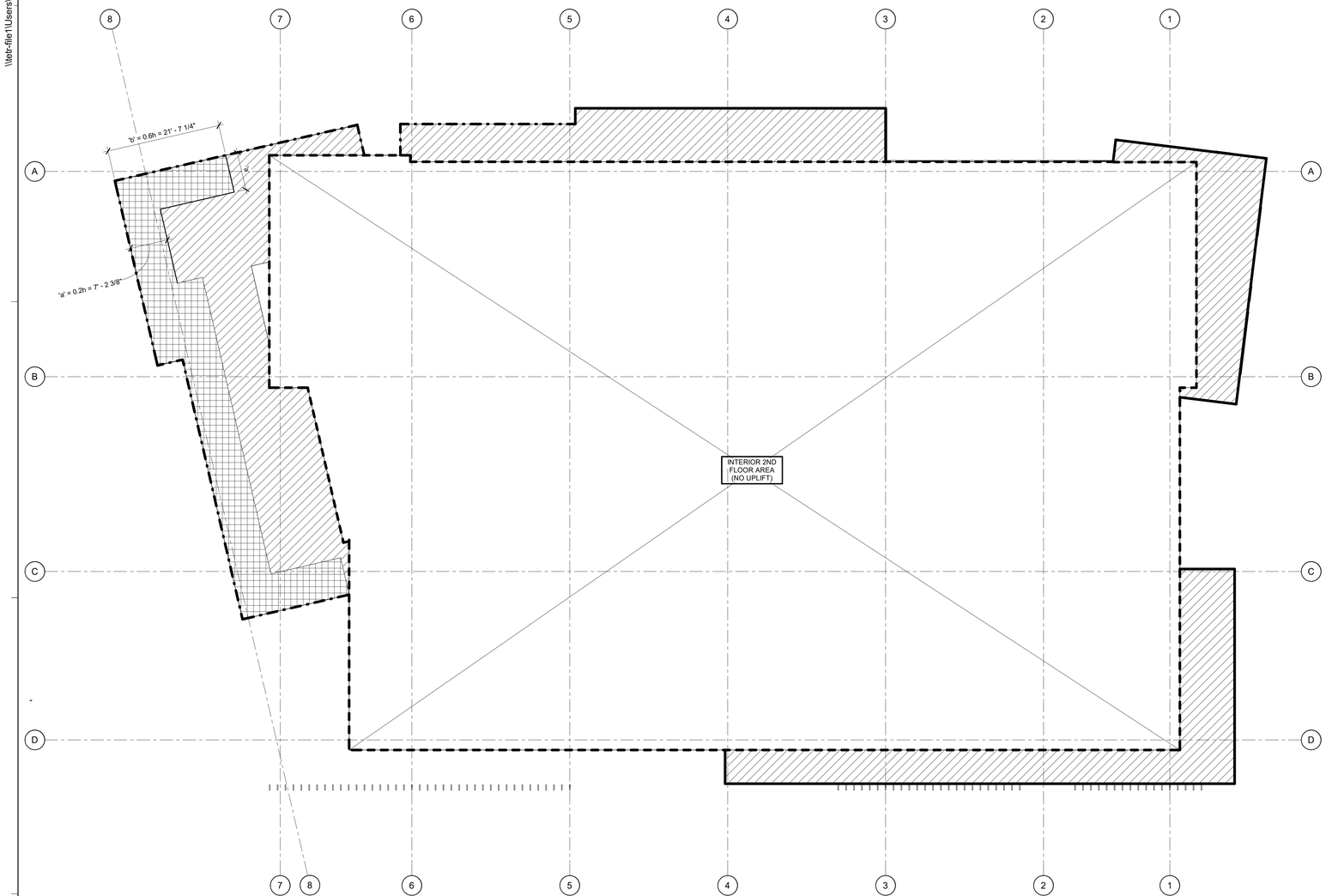


WIND PRESSURE FOR GABLE θ≤7° (LRFD)

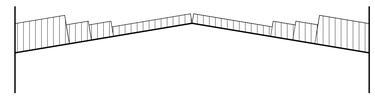
COMPONENTS & CLADDING

EFFECTIVE WIND AREA	POSITIVE (PSF)	NEGATIVE (PSF)						
	ALL ZONES	ZONE 1' w/o OH	ZONE 1 w/o OH	ZONE 2 w/o O.H.	ZONE 3 w/o O.H.	ZONE 1' & 1 w/ O.H.	ZONE 2 w/ O.H.	ZONE 3 w/ O.H.
10 SF	16.0	-24.4	-42.4	-55.9	-76.2	-42.4	-55.9	-76.2
20 SF	16.0	-24.4	-39.6	-52.3	-69.0	-41.7	-51.1	-67.8
50 SF	16.0	-24.4	-35.9	-47.6	-59.5	-40.8	-44.8	-56.7
100 SF	16.0	-24.4	-33.1	-44.0	-52.3	-40.1	-40.0	-48.4

FOOTNOTES:

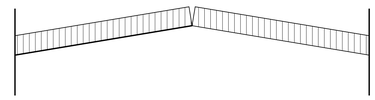
1. ZONES ARE AS DEFINED BY FIGURE 30.3-2A IN ASCE 7-16
   a. DESIGN MEMBERS PER ASCE 7-16 CHAPTER 30 AND CBC 2022 WITH LOAD COMBINATIONS IN 2022 CBC.
2. PRESSURES INDICATED ARE GROSS AND HAVE NOT BEEN INCREASED/REDUCED DUE TO LOAD COMBINATIONS.
3. VALUES DO NOT INCLUDE THE EFFECT OF DEAD LOAD ON FRAMING.
4. VALUES MAY BE INTERPOLATED
   a. THE VALUE OF 'a' = 0.2h = 7' 2 3/8"
   b. THE VALUE OF 'b' = 0.6h = 21' 7 1/4"

DIR.



NEGATIVE

(APPLY IN BOTH DIRECTIONS)



POSITIVE

ZONE KEY

ZONE PATTERN	ZONE NAME
	1 W/O OH
	1' W/O OH
	2 W/O OH
	3 W/O OH
	1' & 1 w/ O.H.
	2 w/ O.H.

LEGEND

- INDICATES BUILDING OVERHANG
- INDICATES BUILDING WALL BELOW
- INDICATES BUILDING PARAPET

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7843 MECHANICAL STATE OF CALIFORNIA

TETER, INC.

FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
FLOOR UPLIFT PRESSURE MAP

PROJECT NO.
23-12499

DRAWING
S201

PLOT DATE: 8/17/2026 11:29:32 AM

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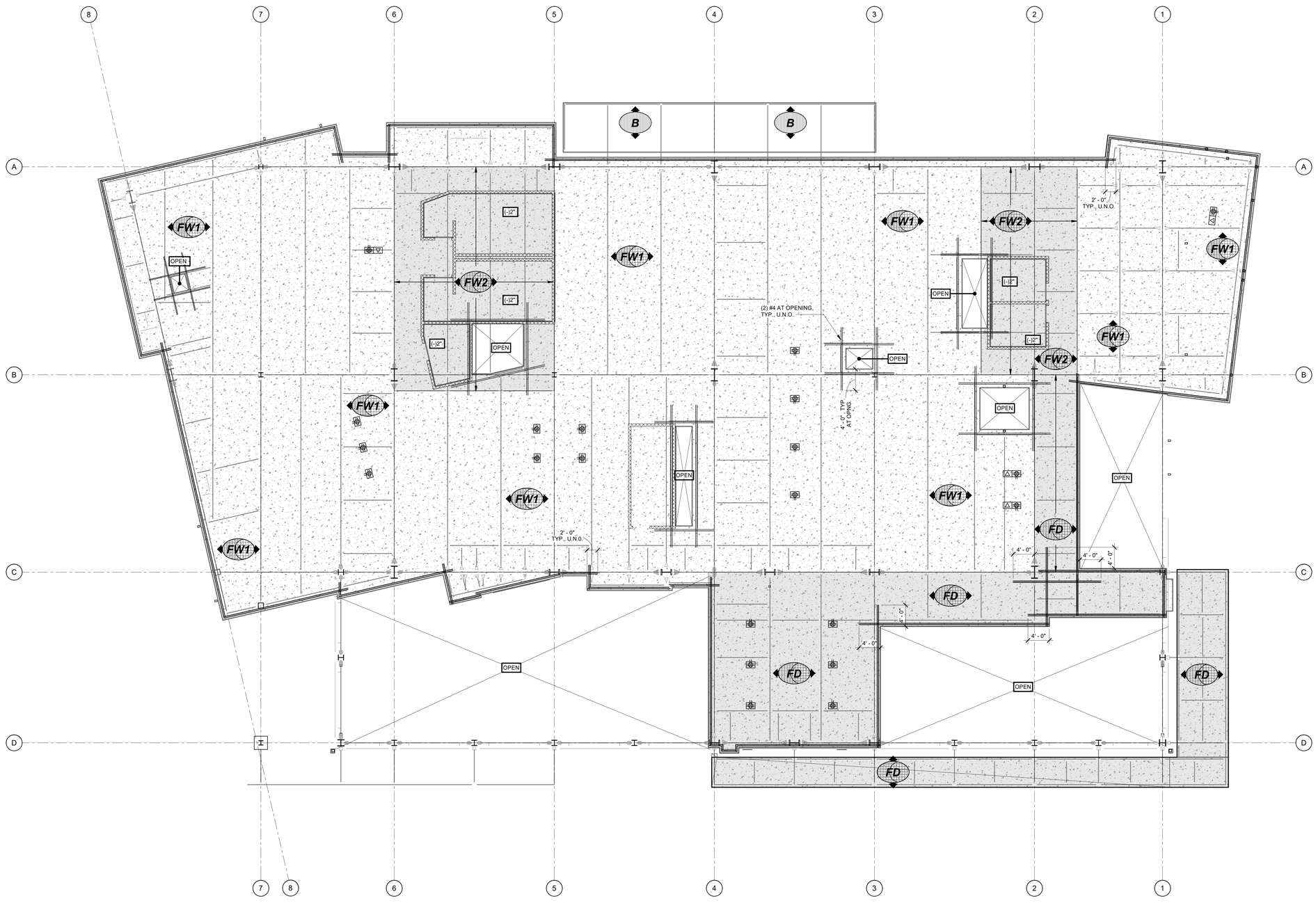

FLOOR DIAPHRAGM NOTES

1. DOWELS ATTACHED TO FLOOR EDGE PLATES MAY BE PLACED ABOVE W.W.M. PER DETAIL 30/S007
2. PROVIDE LAP AT BARS PER DETAIL 1/S002
3. FOR OPENINGS LARGER THAN 24" SQ. NOT SHOWN PROVIDE (2) #4 TRIM BAR EACH SIDE. EXTEND 4'-0" PAST EDGE OF OPENING TYPICAL, U.N.O.
4. PROVIDE TYP. REINF. PER DETAILS PER 5/S007 & 15/S007

LEGEND

- # — GRID BUBBLE AND NUMBER. SEE ARCHITECTURAL DRAWING PACKAGE FOR DETAILED DIMENSIONS OF ALL GRIDS SHOWN.
- 1/S400 — SECTION/ ELEVATION MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- 1/S700 — DETAIL MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- T.O.S. (+) 0'-0" — ELEVATION MARK
  T.O.W. = TOP OF WALL
  T.O.F. = TOP OF FOOTING
  T.O.S. = TOP OF STEEL
- CX — COLUMN TAG. SEE COLUMN SCHEDULE ON FOUNDATION PLAN FOR ADDITIONAL INFORMATION.
- INDICATES STUD WALLS ABOVE FRAMING LEVEL. FOR STUD SIZES, SPACING AND ARCHITECTURAL WALL TYPES, SEE ARCHITECTURAL DRAWINGS. FOR WALL FRAMING SEE DETAIL 4/S004
- INDICATES STUD WALL BELOW FLOOR LEVEL.
- W16x26 (c=1") — FRAME BEAM ID, c = CAMBER
- FD — STEEL DECK W/ CONCRETE TOPPING (ARROWS INDICATES DECK SPAN DIRECTION). FOR ADDITIONAL INFORMATION SEE 2/S007 PROVIDE INTEGRAL COLORED CONCRETE AS INDICATED ON ARCHITECTURAL DRAWINGS.
- INDICATES FLOOR DECK OPENING, SEE DETAIL 5/S007
- INDICATES MOMENT CONNECTION. SEE DETAIL 5/S012 FOR ADDITIONAL INFORMATION
- INDICATES CONNECTION TO BE MADE WITH ASTM A490 BOLTS w/ CLASS B FAYING SURFACE. FOR SIZE AND QUANTITY OF BOLTS SEE DETAIL 20/S011
- MEMBERS WITH THESE CONNECTIONS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS).

NORTH

SECOND FLOOR DIAPHRAGM PLAN 1/8" = 1'-0"

NOTES, SCHEDULE AND LEGEND

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MARK	DATE	DESCRIPTION
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REGISTERED PROFESSIONAL ENGINEER — BRIAN CHANG — No. S7143 — STRUCTURAL — STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
FLOOR DIAPHRAGM PLAN

PROJECT NO.
23-12499

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S202

PLOT DATE: 8/17/2026 11:29:34 AM

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CANOPY DESIGN LOADS (RD DECK)

CANOPY DEAD LOAD (w/ RD DECK)	
SINGLE-PLY ROOFING + RE-ROOF	5.0 PSF
RIGID INSULATION - POLYSTYRENE FOAM	1.5 PSF
1/2" DENSDECK	2.0 PSF
RD - VERSA-DEK 2.0 LS ES DOVETAIL	2.7 PSF
MISCELLANEOUS	0.8 PSF
TOTAL (w/ RD DECK)	**12.0 PSF**
(SEISMIC MASS)	(12 PSF + SELF WT.)

ROOF LIVE LOAD	
LIVE LOAD	20.0 PSF REDUCIBLE

ROOF DESIGN LOADS (RDA DECK)

ROOF DEAD LOAD (w/ RDA DECK)	
SINGLE-PLY ROOFING + RE-ROOF	5.0 PSF
RIGID INSULATION - POLYSTYRENE FOAM	1.5 PSF
1/2" DENSDECK	2.0 PSF
RB - VERSA-DEK B W/ SUPPORT (OVERBUILD)	2.2 PSF
RDA - VERSA-DEK 2.0 LS ES DOVETAIL ACOUSTICAL	2.5 PSF
CONDUIT, ELECTRICAL	0.5 PSF
SPRINKLERS	2.0 PSF
MECHANICAL DUCT WORK	2.0 PSF
PHOTOVOLTAIC PANELS	5.0 PSF
MISCELLANEOUS	1.3 PSF
TOTAL DEAD LOAD	**24.0 PSF**
(SEISMIC MASS)	(24 PSF + SELF WT.)

ROOF LIVE LOAD	
LIVE LOAD	20.0 PSF REDUCIBLE

ROOF DESIGN LOADS (RB DECK)

ROOF DEAD LOAD (w/ RB DECK)	
SINGLE-PLY ROOFING + RE-ROOF	5.0 PSF
RIGID INSULATION - POLYSTYRENE FOAM	1.5 PSF
1/2" DENSDECK	2.0 PSF
RB - VERSA-DEK B DECK	2.0 PSF
SUSPENDED CEILING	2.0 PSF
CONDUIT, ELECTRICAL	0.5 PSF
SPRINKLERS	2.0 PSF
MECHANICAL DUCT WORK	2.0 PSF
PHOTOVOLTAIC PANELS	5.0 PSF
MISCELLANEOUS	1.5 PSF
TOTAL DEAD LOAD	**23.5 PSF**
(SEISMIC MASS)	(28.5 PSF + SELF WT.)

ROOF LIVE LOAD	
LIVE LOAD	20.0 PSF REDUCIBLE

ROOF FRAMING NOTES

1. THE TYPICAL DETAILS SHOWN ON THE S0XX SERIES SHEETS SHALL APPLY IN ALL CASES, UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. SEE SHEET SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
2. UNCLEAR, CONFLICTING AND/OR MISSING INFORMATION SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION.
3. ALL DIMENSIONS ARE TO FACE OF WALL STUD OR CENTER OF COLUMN, U.N.O. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. SEE FOUNDATION PLAN FOR COLUMNS SHOWN BUT NOT NOTED.
5. ALL ELEVATIONS ARE ESTABLISHED FROM AND RELATIVE TO FIRST FLOOR FINISHED SLAB (0'-0" DATUM), U.N.O. FOR ACTUAL ELEVATIONS, SEE CIVIL DRAWINGS.
6. STEEL MEMBERS ARE EQUALLY SPACED BETWEEN DIMENSION POINTS, U.N.O., AND SHALL FRAME TO CENTERLINE OF COLUMNS OR WORK POINT.
7. SEE ARCHITECTURAL DRAWINGS FOR WALL STUD SIZES AND SPACING, U.N.O.
8. SEE DETAILS FOR TYPICAL DECK TO BEAM CONNECTION CONDITIONS AT ALL STRUCTURAL MEMBERS. ENSURE FLUTE OF METAL DECK LANDS ON BEAM/JOIST. IF DECK FLUTE DOES NOT FULLY LAND ON MEMBERS, SEE DETAIL 9/S009
9. DO NOT SUSPEND PIPING, MAIN LINE CONDUITS OR OTHER UTILITIES FROM METAL DECK ALONE. PRIMARY ATTACHMENT FOR T-BAR CEILING WITH LIGHT FIXTURES AND SOFFIT FRAMING SHALL BE TO STRUCTURE. ATTACHMENT TO METAL DECK IS ACCEPTABLE FOR INTERMEDIATE SUPPORTS. HANGING LOADS SHALL BE SUPPORTED PER DETAIL 1/S005 & 4/S009
10. ALL MECHANICAL UNITS SHALL BE VERIFIED WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION. SEE MECHANICAL DRAWINGS.
11. FOR TYPICAL FRAMING AT MECHANICAL CURB, SEE DETAIL 19/S009, U.N.O.
12. SEE ARCHITECTURAL PLANS FOR PLUMBING PENETRATIONS.
13. FOR TYPICAL ROOF DRAIN SUPPORT, SEE DETAIL 14/S009.
14. FOR STEEL BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS, SEE DETAILS 5/S011 FOR WF COLUMNS AND DETAILS 10/S010 & 14/S010 FOR HSS COLUMNS, U.N.O.
15. FOR TYPICAL TOP OF HSS COLUMN BRACING AT LARGE WALL OPENING JAMBS, SEE DETAIL 1/S006, U.N.O.
16. PROVIDE AESS AT ALL EXPOSED STEEL FRAMING PER NOTE #18 OF THE STRUCTURAL STEEL NOTES ON SHEET S001.
17. FOR ALL EXPOSED STEEL FRAMING, PROVIDE PLACEMENT OF BEAM CONNECTION AS FOLLOWS:
    A. AT BEAMS ALONG PERIMETER
        a. SHEAR TAB AND BOLT HEADS FACING INWARD
    B. AT BEAMS SPANNING N-S:
        a. SHEAR TAB AND BOLT HEADS FACING EAST
    C. AT BEAMS SPANNING E-W:
        a. SHEAR TAB AND BOLT HEADS FACING NORTH

LEGEND

- GRID BUBBLE AND NUMBER. SEE ARCHITECTURAL DRAWING PACKAGE FOR DETAILED DIMENSIONS OF ALL GRIDS SHOWN.
- SECTION/ ELEVATION MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- DETAIL MARK. SEE REFERENCING DETAIL NUMBER AND SHEET NUMBER FOR ADDITIONAL INFORMATION.
- ELEVATION MARK
  T.O.W. = TOP OF WALL
  T.O.F. = TOP OF FOOTING
  T.O.S. = TOP OF STEEL
- CX — COLUMN TAG. SEE COLUMN SCHEDULE ON FOUNDATION PLAN FOR ADDITIONAL INFORMATION.
- INDICATES STUD WALLS ABOVE ROOF FRAMING LEVEL FOR STUD SIZES, SPACING AND ARCHITECTURAL WALL TYPES, SEE ARCHITECTURAL DRAWINGS. FOR WALL FRAMING SEE DETAIL 4/S004
- INDICATES STUD WALL BELOW FRAMING LEVEL.
- W16x26* (n=12) (c=1") — FRAME BEAM ID
  n = NUMBER OF STUDS
  c = CAMBER
  * = SPECIAL CONNECTION AT MOMENT FRAME PER 17/S012
  (FOR EXPOSED SHEAR TAB PLACEMENT, SEE FRAMING NOTE #17)
- RD — INDICATED STEEL DECK TYPE (ARROWS INDICATES DECK SPAN DIRECTION). FOR ADDITIONAL INFORMATION SEE DETAIL 2/S009
  ROOF TYPE "**RDA**" TO HAVE OVERBUILD FRAMING WITH DECK TYPE "**RB**" (WHERE OCCURS)
- INDICATES ROOF DECK OPENING, SEE DETAIL 19/S009
- INDICATES MOMENT CONNECTION. SEE DETAIL 5/S012 FOR ADDITIONAL INFORMATION
- INDICATES CONNECTION TO BE MADE WITH A490 BOLTS w/ CLASS B FAYING SURFACE. FOR SIZE AND QUANTITY OF BOLTS SEE DETAIL 20/S017
  MEMBERS WITH THESE CONNECTIONS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS).
- INDICATES CANTILEVERED MOMENT CONNECTION AT MAIN BUILDING INTERIOR WF BEAMS, SEE DETAILS 11/S010 & 7/S010
- INDICATES CANTILEVERED MOMENT THERMAL CONNECTION AT BALCONY/CANOPY HSS BEAMS, SEE DETAILS 2/S810
- AH 1 / 120# — INDICATES MECHANICAL UNIT AND WEIGHT. FOR ADDITIONAL INFORMATION, SEE MECHANICAL DRAWINGS. FOR TYPICAL FRAMING AT OPENINGS SEE DETAIL 13/S008

NORTH

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MARK	DATE	DESCRIPTION
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REGISTERED PROFESSIONAL ENGINEER — BRIAN CHANG — No. S7843 — STRUCTURAL — STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: ROOF FRAMING PLAN

PROJECT NO. 23-12499

DRAWING S300

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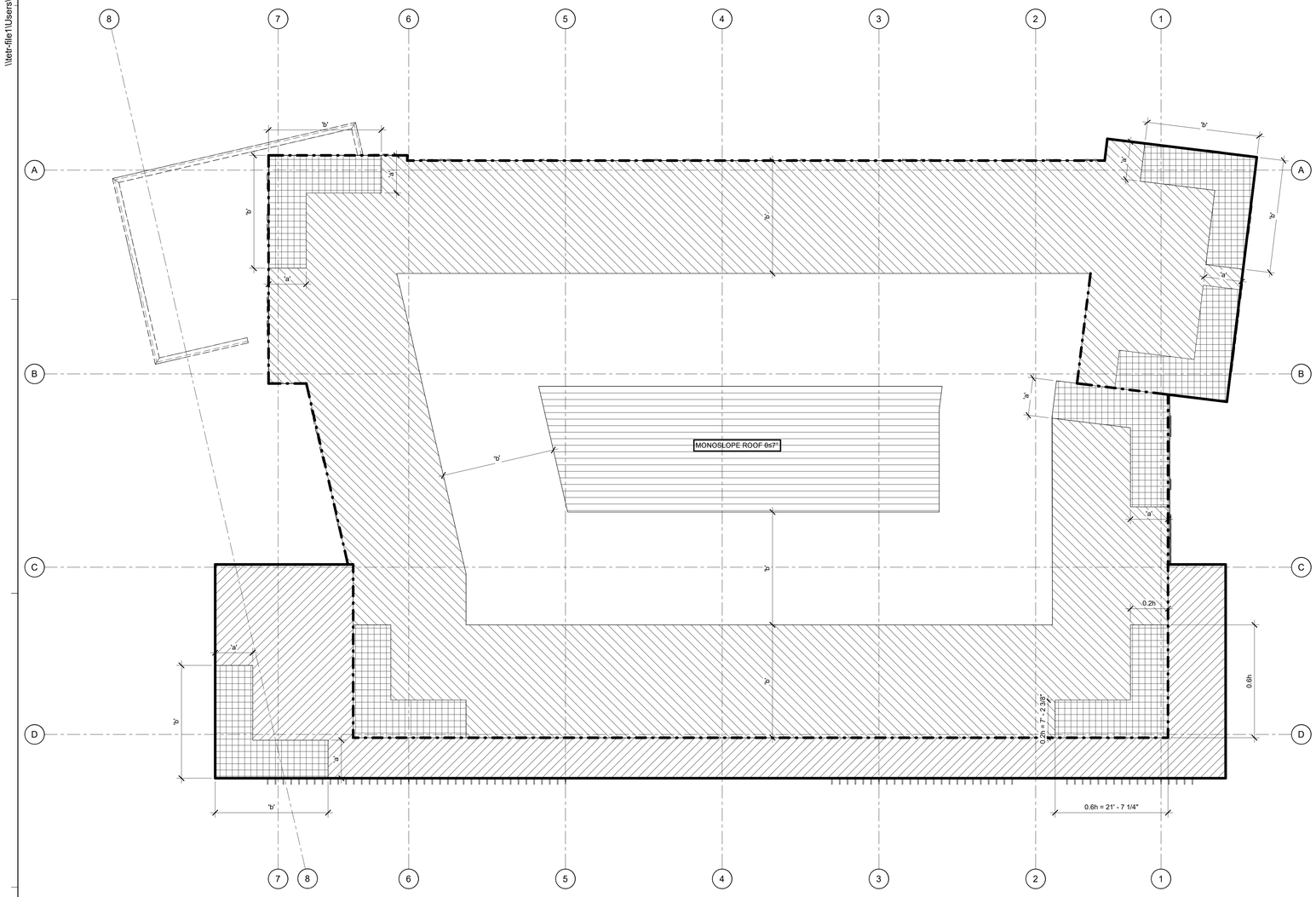
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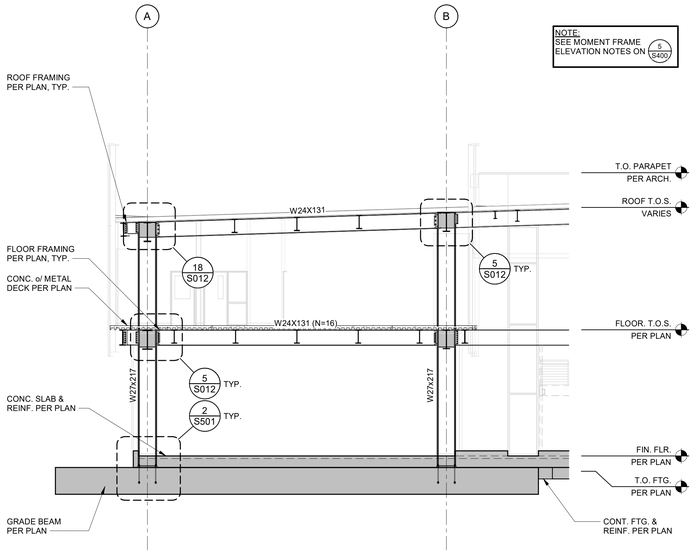
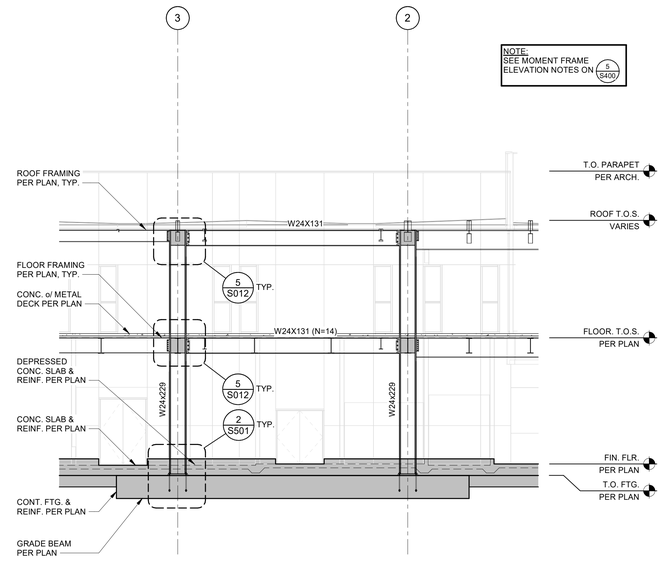
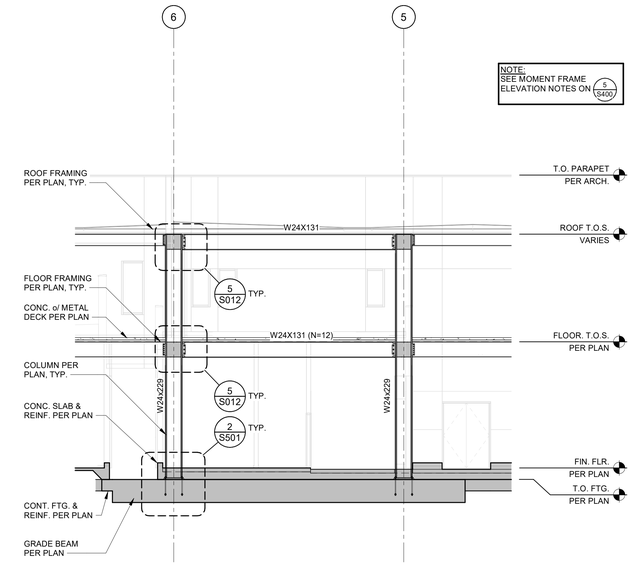


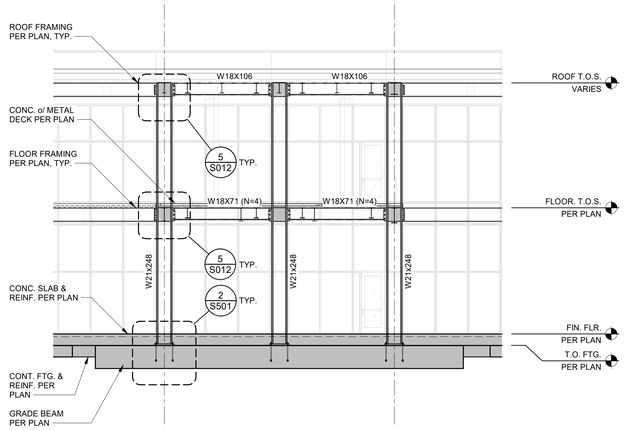
MOMENT FRAME ELEVATION ALONG LINE 1 (LOOKING NORTH) 1/8" = 1'-0" | 22



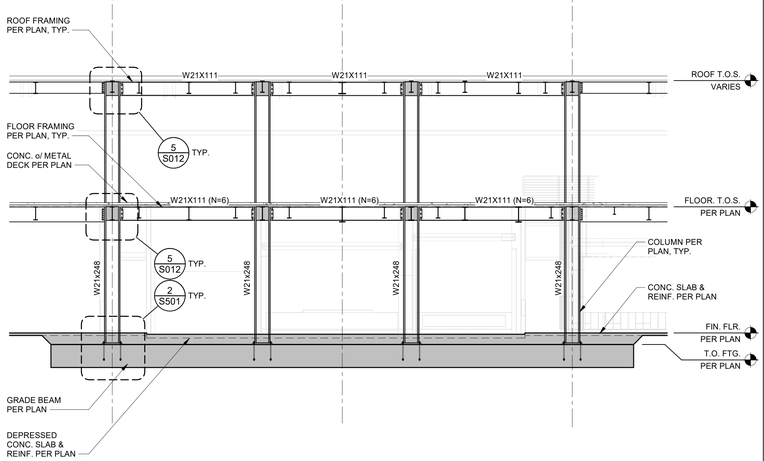
MOMENT FRAME ELEVATION ALONG LINE A (LOOKING WEST) 1/8" = 1'-0" | 12



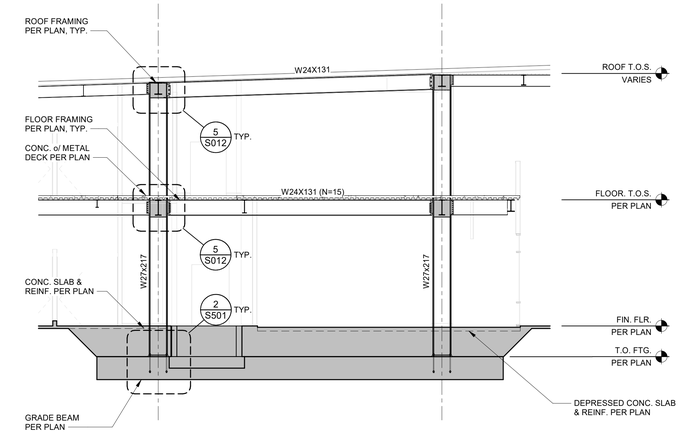
MOMENT FRAME ELEVATION ALONG LINE A (LOOKING WEST) 1/8" = 1'-0" | 2



MOMENT FRAME ELEVATION ALONG LINE D (LOOKING EAST) 1/8" = 1'-0" | 24



MOMENT FRAME ELEVATION ALONG LINE C (LOOKING EAST) 1/8" = 1'-0" | 14



MOMENT FRAME ELEVATION ALONG LINE 2 (LOOKING NORTH) 1/8" = 1'-0" | 4

1. ALL COLUMNS ARE CONTINUOUS, UNLESS NOTED OTHERWISE.
2. REFER TO FRAMING PLANS FOR T.O.S. UNLESS NOTED OTHERWISE.
3. ALL MEMBERS INDICATED IN THE MOMENT FRAME ELEVATIONS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS). FOR ALL CONNECTIONS SEE DETAIL 5 S012.
4. ALL WELDS ON MOMENT FRAMES SHALL MEET LATERAL FRAME (DEMAND CRITICAL) REQUIREMENTS, SEE GENERAL NOTES.
5. ALL WELDS TO BE PLACED PRIOR TO CONCRETE POURS.
6. FOR REQUIREMENTS AND SPECIAL INSPECTION OF WELDING SEE NOTE #10 OF THE STRUCTURAL STEEL NOTES AND SPECIAL INSPECTION SECTION ON SHEET S001.
7. ALL SLIP-CRITICAL BEAM -TO-BEAM AND BEAM-TO-COLUMN (WHERE OCCURS PER PLAN) CONNECTIONS SHALL BE PER DETAIL 20 S011, U.N.O.
8. ALL TYPICAL BEAM -TO-BEAM AND BEAM-TO-COLUMN (SHOWN LIGHT GRAY FOR CLARITY) CONNECTIONS SHALL BE PER DETAIL 5 S011, U.N.O.
9. PERPENDICULAR STUD WALL FRAMING PER PLAN (SHOWN LIGHT GRAY FOR CLARITY). FOR TYPICAL WALL FRAMING SEE 4 S004, U.N.O.
10. FOR TYPICAL FOUNDATION REINFORCING AT MOMENT FRAME COLUMNS, SEE 1 S501.

MOMENT FRAME ELEVATION NOTES N.T.S. | 5

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	08-14-26	DSA BACKCHECK

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ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
MOMENT FRAME ELEVATIONS

PROJECT NO.
23-12499

DRAWING
S400

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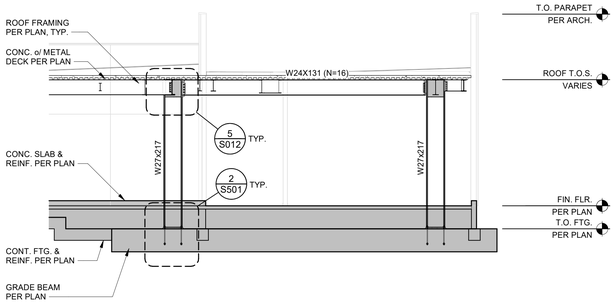
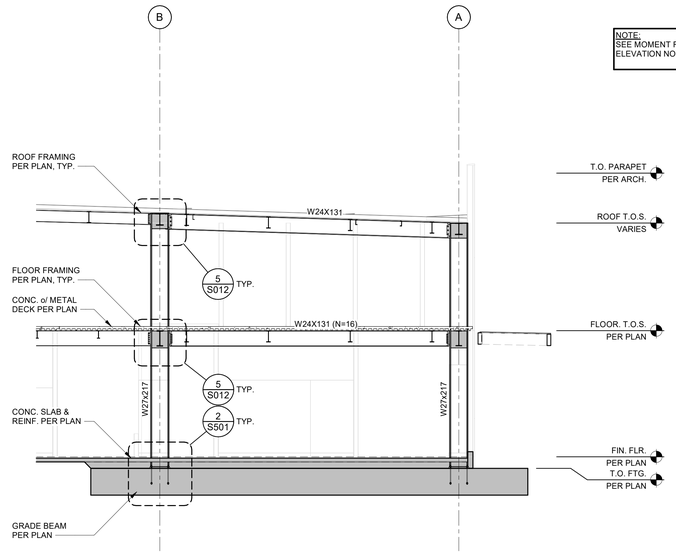
NOTE:
SEE MOMENT FRAME ELEVATION NOTES ON 5/S400



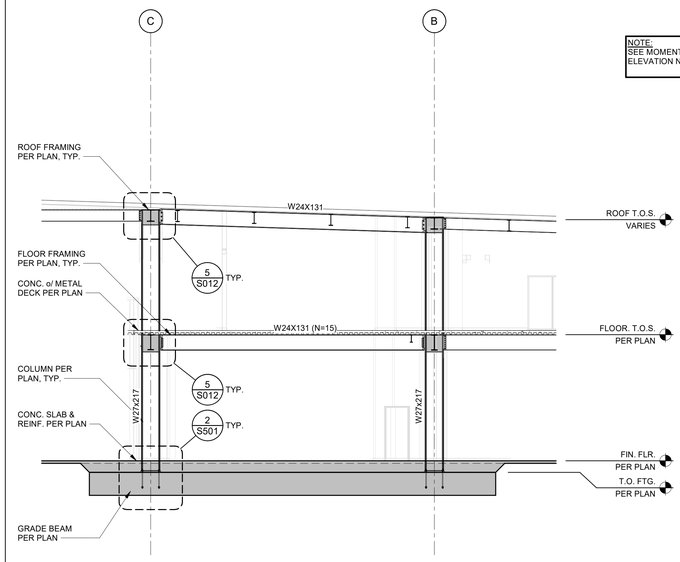
MOMENT FRAME ELEVATION ALONG LINE 8 (LOOKING SOUTH) 1/8" = 1'-0" | 22

NOTE:
SEE MOMENT FRAME ELEVATION NOTES ON 5/S400



MOMENT FRAME ELEVATION ALONG LINE 4 (LOOKING SOUTH) 1/8" = 1'-0" | 12

NOTE:
SEE MOMENT FRAME ELEVATION NOTES ON 5/S400



MOMENT FRAME ELEVATION ALONG LINE 6 (LOOKING SOUTH) 1/8" = 1'-0" | 2

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
MOMENT FRAME ELEVATIONS

PROJECT NO.
23-12499

DRAWING
S401

PLOT DATE: 8/17/2026 11:29:47 AM

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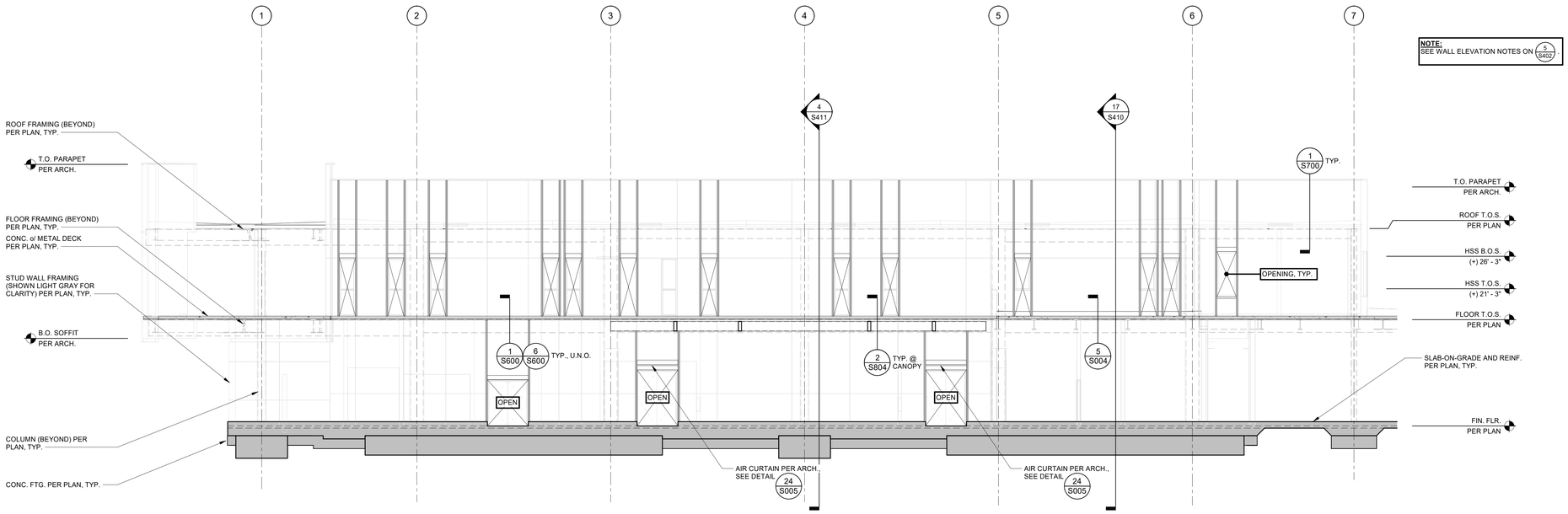
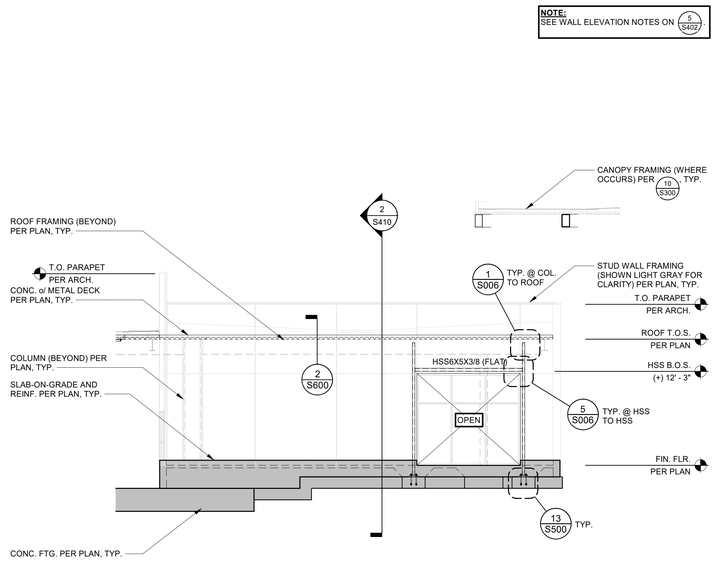
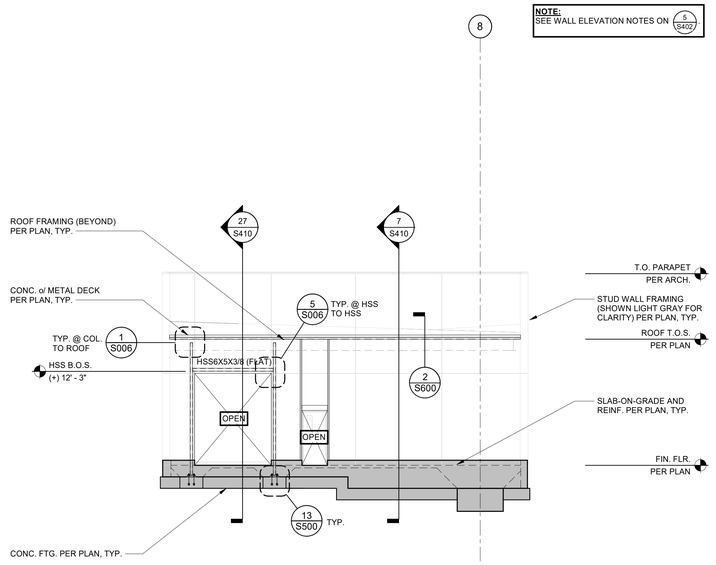


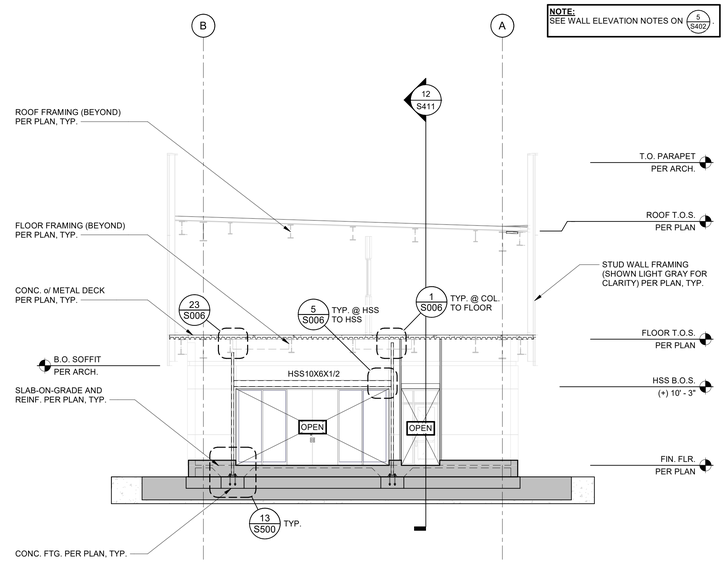
EXTERIOR WALL FRAMING ELEVATION - ALONG GRIDLINE 'A' (LOOKING EAST) 1/8" = 1'-0" | 2



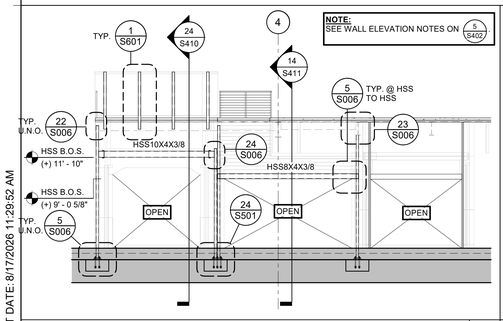
EXTERIOR WALL FRAMING ELEVATION - ALONG GRIDLINE '8' (LOOKING NORTH) 1/8" = 1'-0" | 24



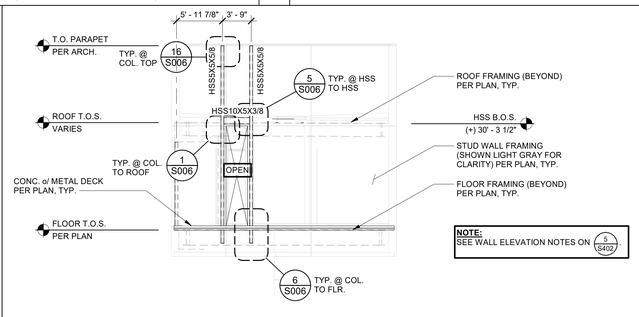
EXTERIOR WALL FRAMING ELEVATION - ALONG GRIDLINE 'A' (LOOKING EAST) 1/8" = 1'-0" | 14



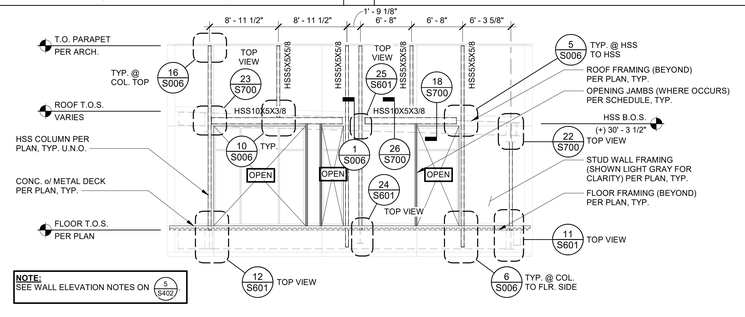
EXTERIOR WALL FRAMING ELEVATION - NEAR GRIDLINE '1' (LOOKING SOUTH) 1/8" = 1'-0" | 4



INT. WALL ELEVATION - NEAR GRIDLINE 'C' 1/8" = 1'-0" | 30



EXT. WALL FRAMING ELEVATION - NEAR GRIDLINE 'A' (LOOKING EAST) 1/8" = 1'-0" | 20



EXTERIOR WALL FRAMING ELEVATION - NEAR GRIDLINE '1' (LOOKING SOUTH) 1/8" = 1'-0" | 10

NOTES:

1. THE INTENT OF THE WALL ELEVATION IS TO INDICATE DETAILS AND/OR MEMBER SIZES THAT DO NOT APPEAR ON PLAN.
2. FOR STRUCTURAL STEEL FRAMING SIZES AND DETAILS NOT SHOWN, SEE FOUNDATION AND FRAMING PLANS.
3. STEEL FRAMING BEYOND, PER PLAN, IS SHOWN DASHED FOR CLARITY. FOR ADDITIONAL INFORMATION, SEE FRAME LINE ELEVATIONS ON SHEET S400 THRU S402.
4. FOR TYPICAL STUD WALL FRAMING REFER TO ARCHITECTURAL DRAWINGS AND TYPICAL DETAIL 4 S004
5. FOR TYPICAL STUD WALL FRAMING AT HSS HEADER/SILL, SEE 18 S006.
6. HSS COLUMNS ARE FULL HEIGHT TO THE HIGHEST POINT AS APPLICABLE (T.O. PARAPET, T.O. WALL TRACK, ETC.), UNLESS INTERRUPTED BY INTERMEDIATE MEMBER, AS DETAILED.

WALL FRAMING ELEVATION NOTES N.T.S. | 5

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REGISTERED PROFESSIONAL ENGINEER B. CHANG No. 57243 MECHANICAL STATE OF CALIFORNIA

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COLLEGE OF THE SEQUOIAS
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915 S MOONEY BLVD., VISALIA CA

PROJECT NO. 23-12499

DRAWING TITLE: WALL FRAMING ELEVATION

DRAWING S402

PLOT DATE: 8/17/2026 11:29:52 AM

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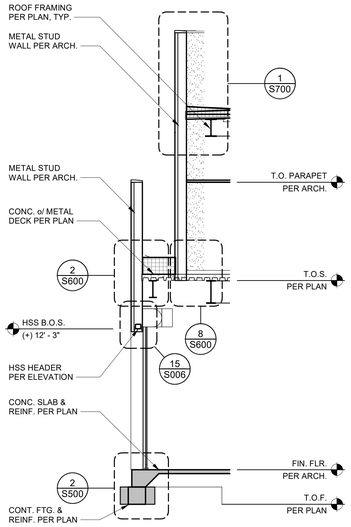
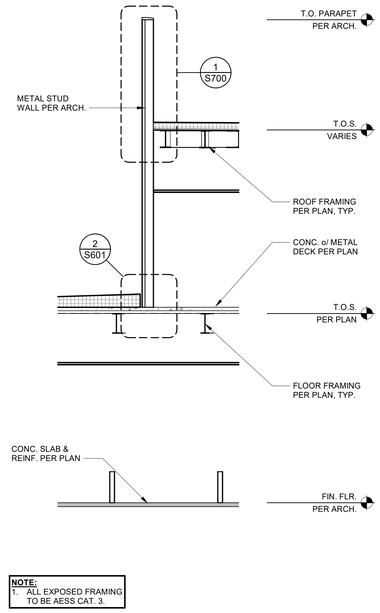


WALL SECTION 3/16" = 1'-0" 27



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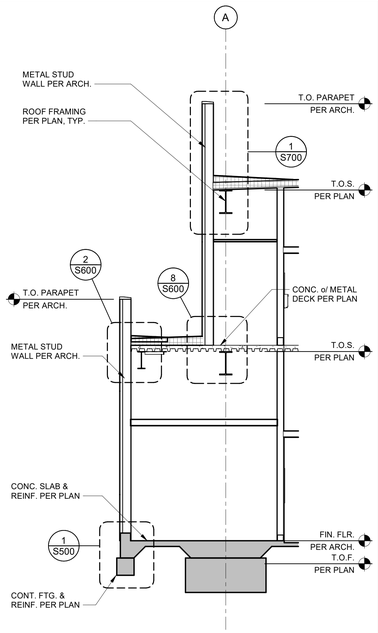

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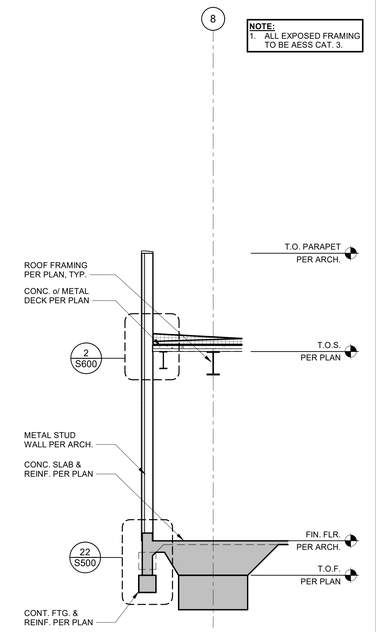

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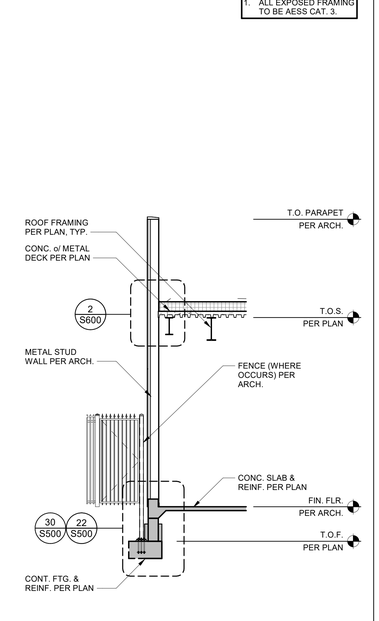

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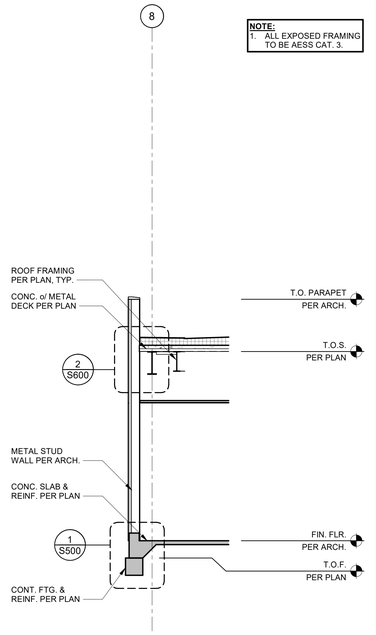

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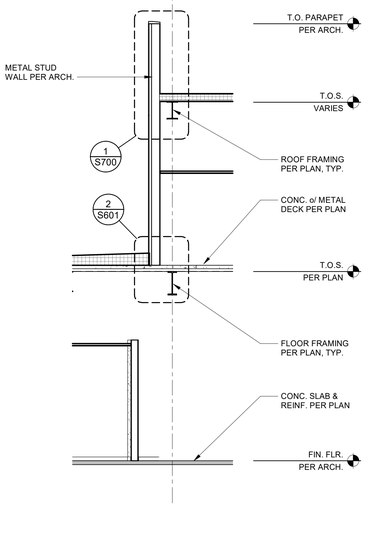

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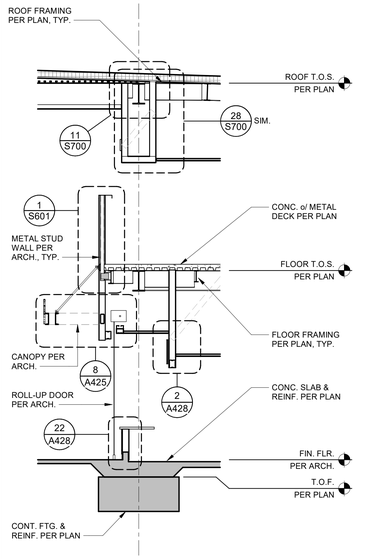
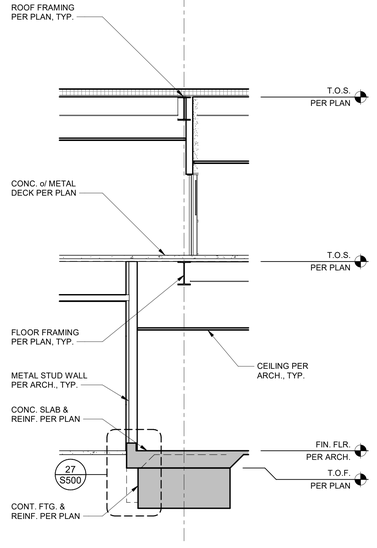


WALL SECTION 3/16" = 1'-0" 24



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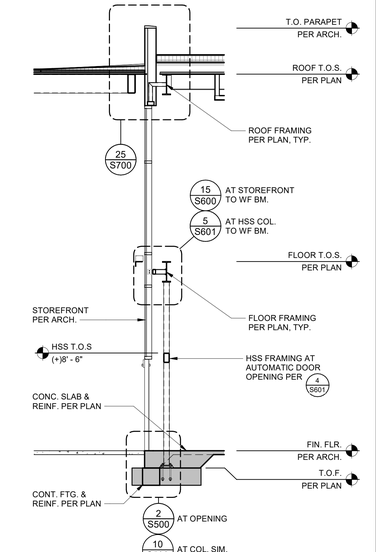

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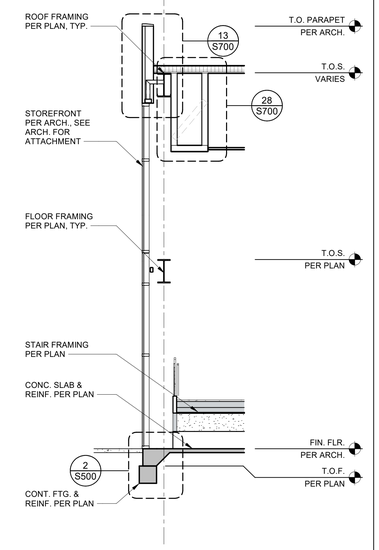

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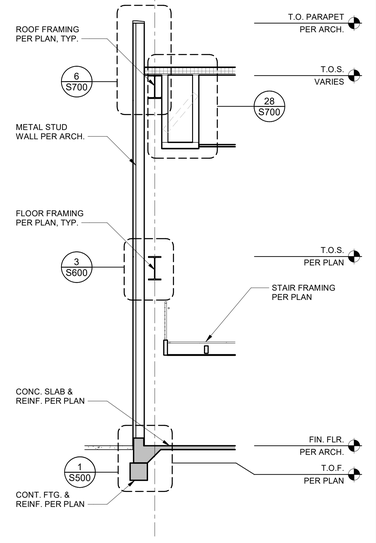

WALL SECTION 3/16" = 1'-0" 4

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7243 STRUCTURAL STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

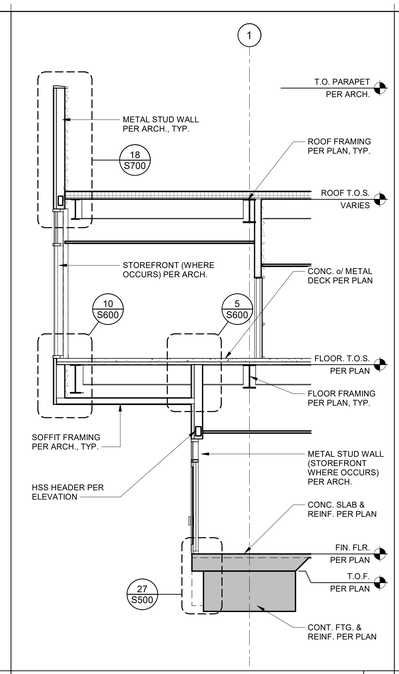
DRAWING TITLE
WALL SECTIONS

PROJECT NO.
23-12499

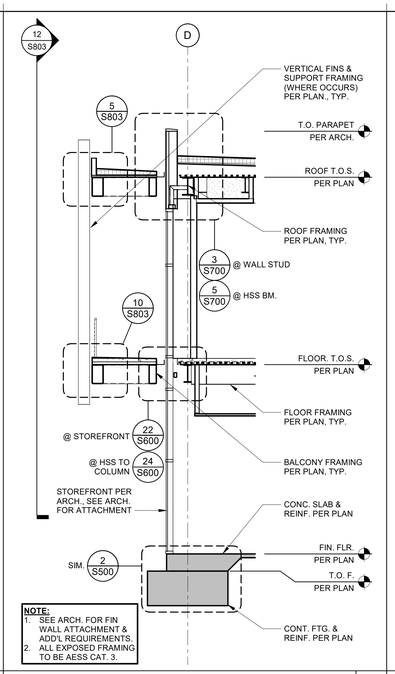
DRAWING
S410

PLOT DATE: 8/17/2026 11:29:59 AM

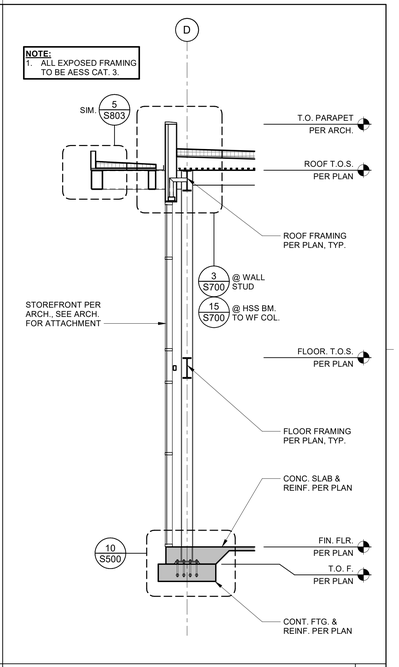
\\tet-file1\Users\luis.valtierra\Documents\12499-S-COS Student Union_luis.valtierra.rvt



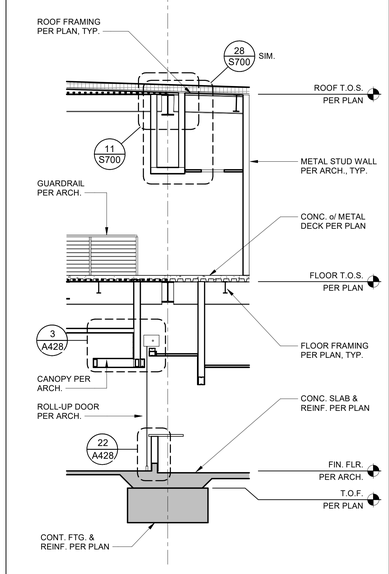
WALL SECTION 3/16" = 1'-0" 12



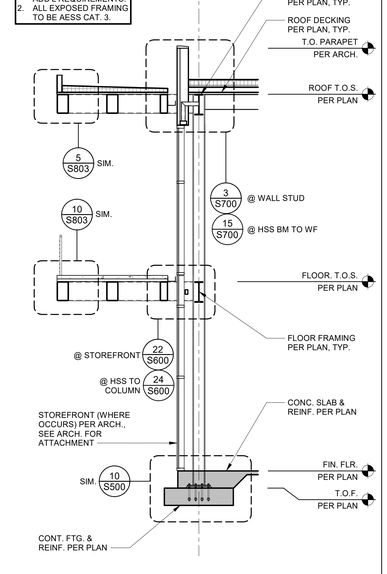
WALL SECTION 3/16" = 1'-0" 7



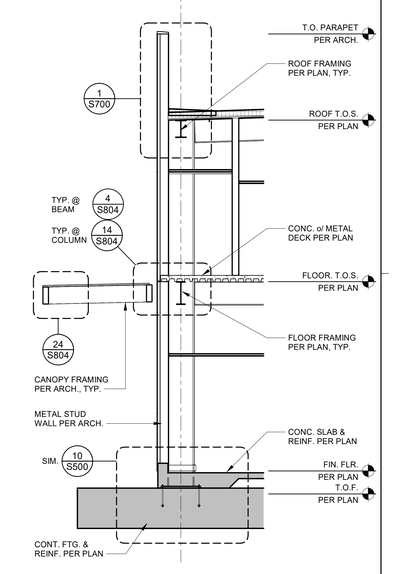
WALL SECTION 3/16" = 1'-0" 2



WALL SECTION 3/16" = 1'-0" 14



WALL SECTION 3/16" = 1'-0" 9



WALL SECTION 3/16" = 1'-0" 4

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER ★ No. S7243 ★ CHANG ★ MECHANICAL ★ STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
WALL SECTIONS

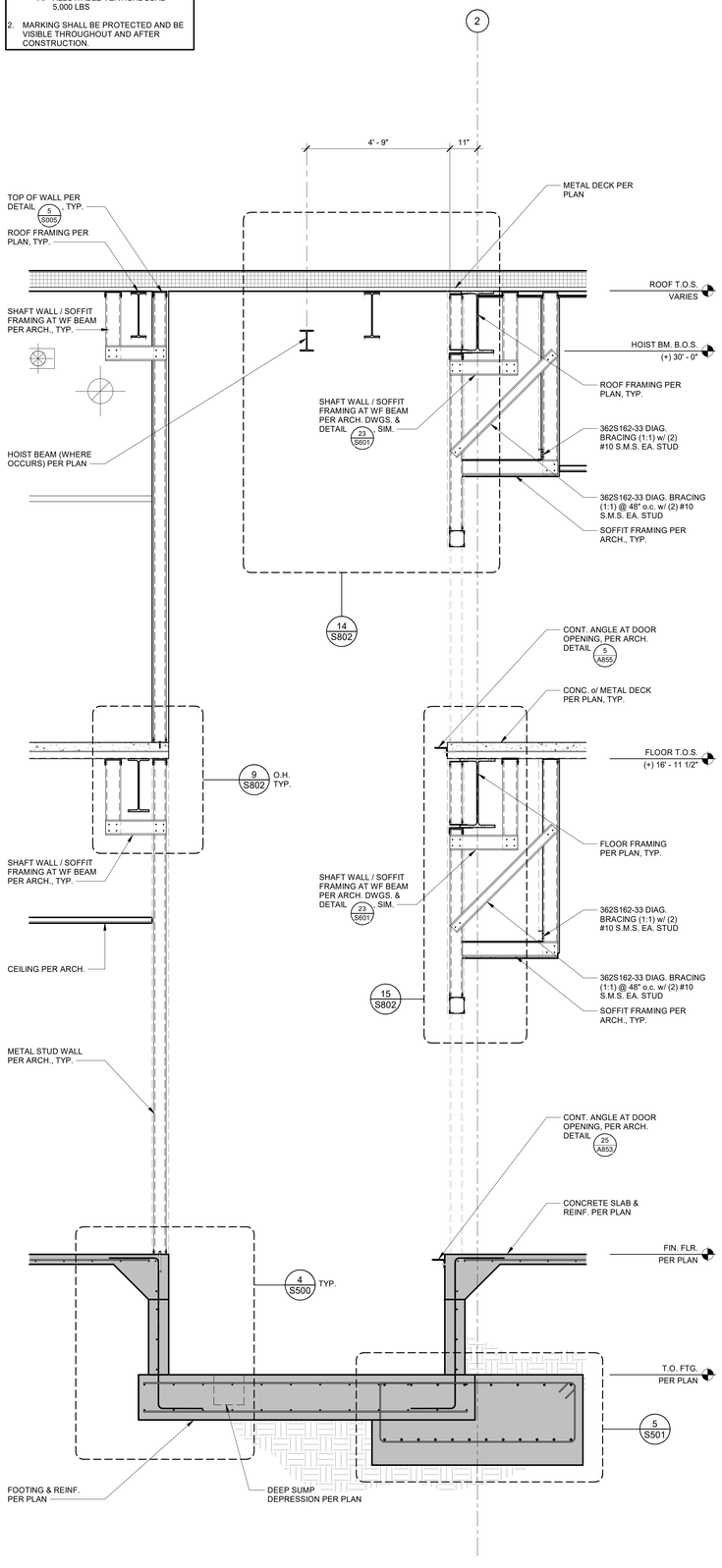
PROJECT NO.
23-12499

DRAWING
S411

PLOT DATE: 8/17/2026 11:30:03 AM

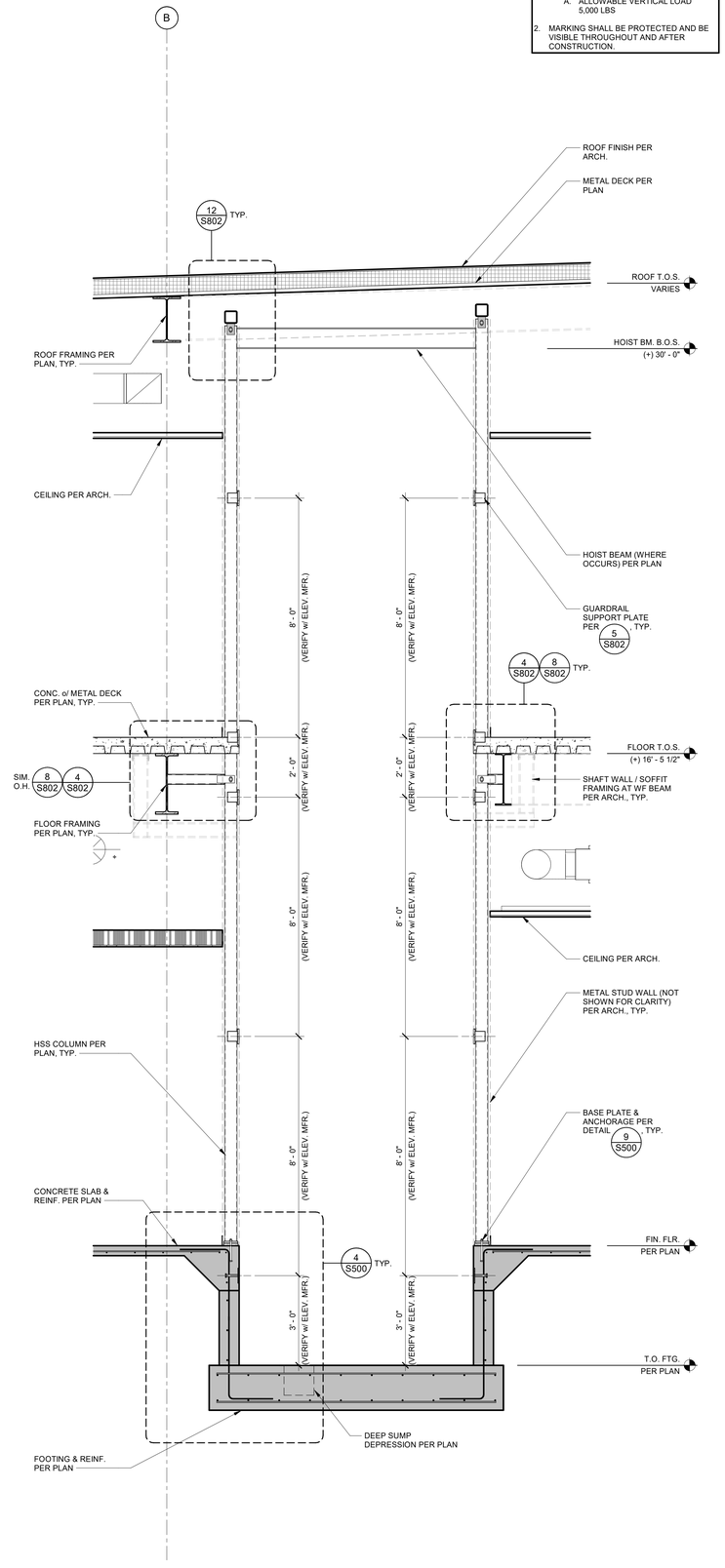
\\tet-file1\Users\luis.valtierra\Documents\12499-S-COS Student Union_luis.valtierra.rvt

NOTE:
1. CONTRACTOR SHALL MARK EACH SIDE OF HOIST BEAM AT MID-SPAN AS FOLLOWS:
   A. ALLOWABLE VERTICAL LOAD 5,000 LBS
2. MARKING SHALL BE PROTECTED AND BE VISIBLE THROUGHOUT AND AFTER CONSTRUCTION.



ELEVATOR SECTION LOOKING WEST 1/2" = 1'-0" 15

NOTE:
1. CONTRACTOR SHALL MARK EACH SIDE OF HOIST BEAM AT MID-SPAN AS FOLLOWS:
   A. ALLOWABLE VERTICAL LOAD 5,000 LBS
2. MARKING SHALL BE PROTECTED AND BE VISIBLE THROUGHOUT AND AFTER CONSTRUCTION.



ELEVATOR SECTION LOOKING NORTH 1/2" = 1'-0" 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S17423 STRUCTURAL STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
ELEVATOR SECTIONS

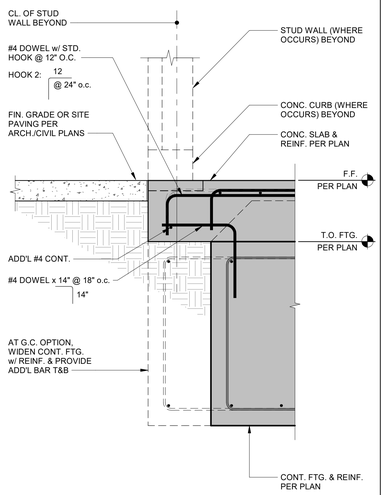
PROJECT NO.
23-12499

DRAWING
S412

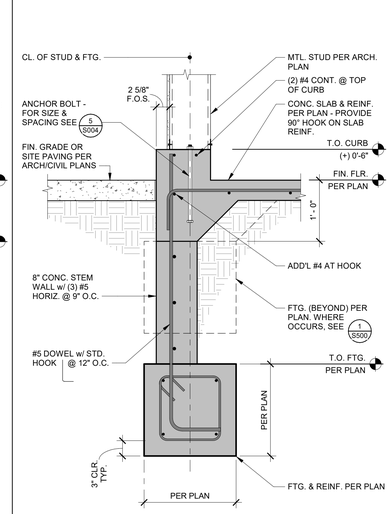
PLOT DATE: 8/17/2026 11:30:04 AM

\\tet-file1\Users\luis.valtierra\Documents\12499-S-CCS Student Union_luis.valtierra.rvt

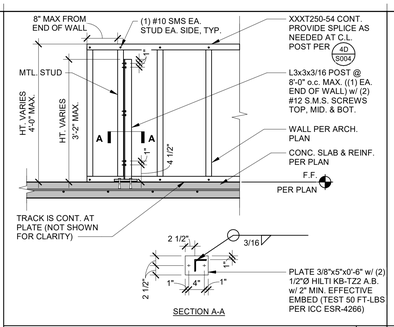
NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE DETAIL 6/S500 & 4/S500



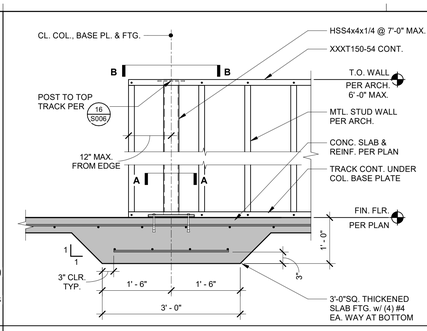
EXT. FTG AT BOTTOM STEP — 1" = 1'-0" — 27



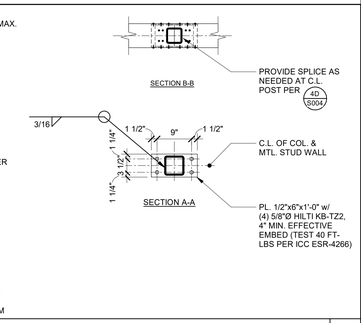
EXTERIOR WALL FOOTING AT STEP — 1" = 1'-0" — 22

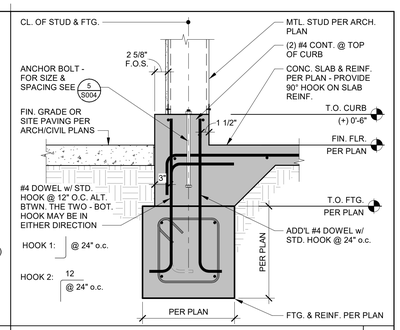


INT. PARTIAL HT. WALL DETAIL — 3/4" = 1'-0" — 16

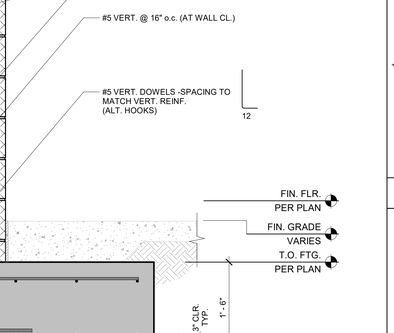


INT. PARTIAL HT. WALL DETAIL — 3/4" = 1'-0" — 6

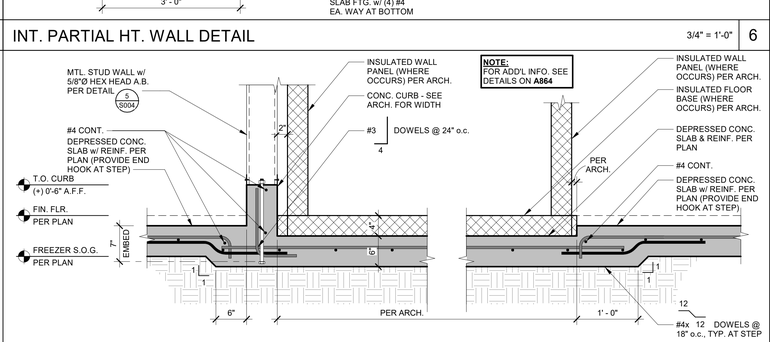




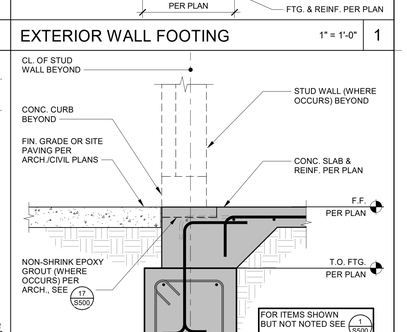
EXTERIOR WALL FOOTING — 1" = 1'-0" — 1



EXT. FTG AT STOREFRONT OPNG — 1" = 1'-0" — 17



INTERIOR RECESSED SLAB AT FREEZER — 1" = 1'-0" — 7



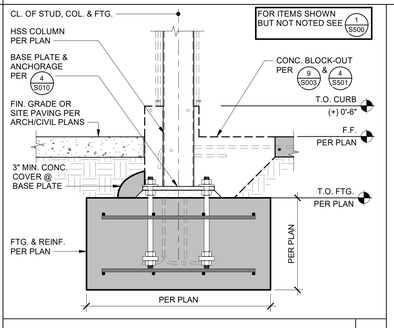
EXT. FTG AT OPNG / STOREFRONT — 1" = 1'-0" — 2

NOTE:
ADD'L ITEMS NOT SHOWN FOR CLARITY.

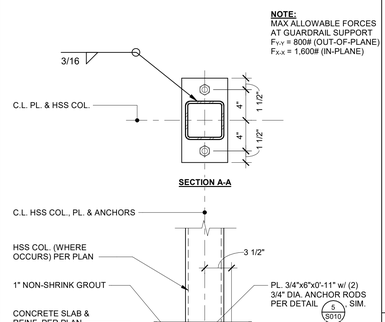
PAD FTG. AT CONT. FTG. — 3/4" = 1'-0" — 28

NOTE:
FOR ADD'L. INFORMATION SEE DETAILS ON SHEET S013.

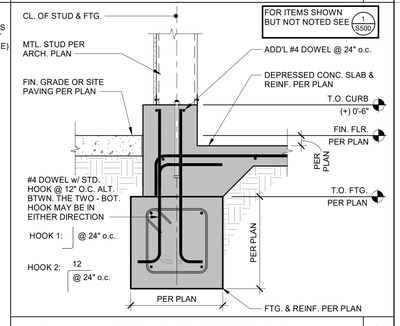
TYPICAL CMU WALL FOOTING — 1" = 1'-0" — 20



EXT. WALL FTG w/ COLUMN — 1" = 1'-0" — 13



ELEVATOR PIT DETAIL — 1 1/2" = 1'-0" — 9



ELEVATOR PIT DETAIL — 3/4" = 1'-0" — 4

EXT. WALL FOOTING AT FENCE — 1" = 1'-0" — 30

INTERIOR COLUMN FTG — 3/4" = 1'-0" — 14

EXTERIOR COLUMN FOOTING — 3/4" = 1'-0" — 10

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER — BRIAN CHANG — No. S7143 — STRUCTURAL — STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED
TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

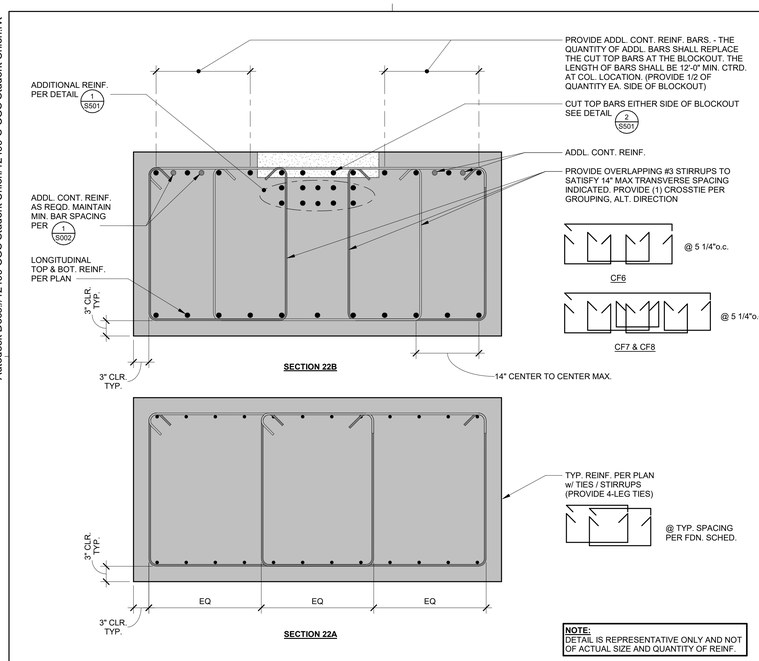
DRAWING TITLE: FOUNDATION DETAILS

PROJECT NO. 23-12499

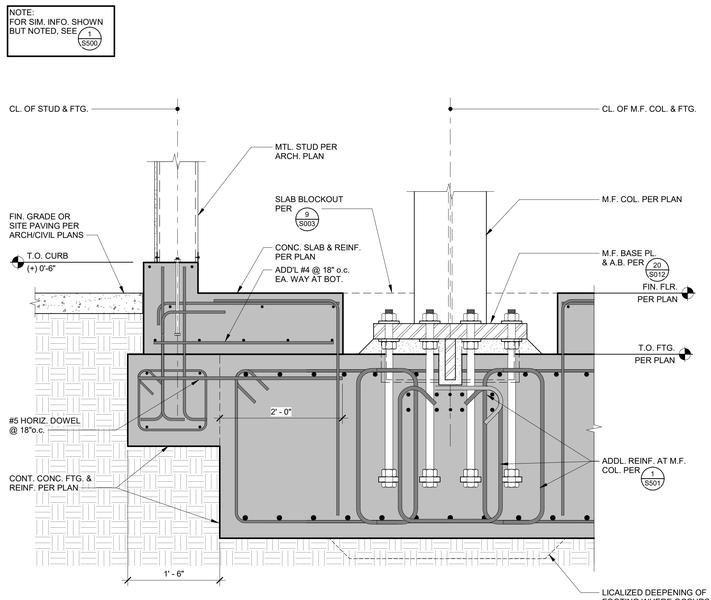
DRAWING S500

PLOT DATE: 8/17/2026 11:30:07 AM

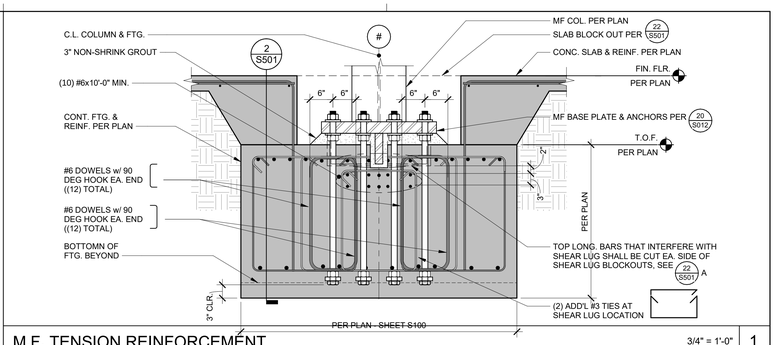
Autodesk Docs://12499 COS Student Union/12499-S-COS Student Union.rvt



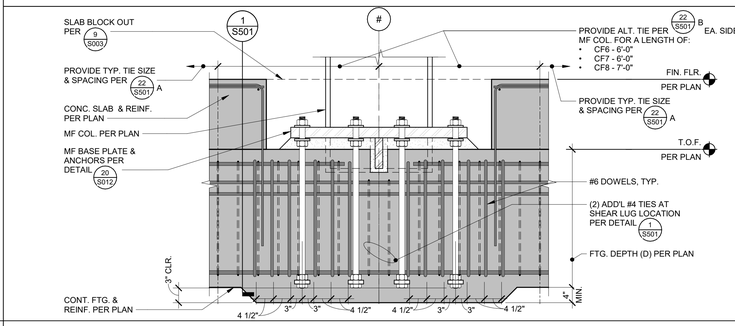
CF REINFORCING — N.T.S. | 22



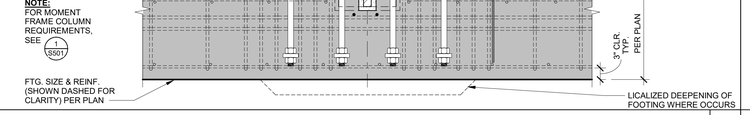
EXTERIOR WALL FOOTING DETAIL — 1" = 1'-0" | 12



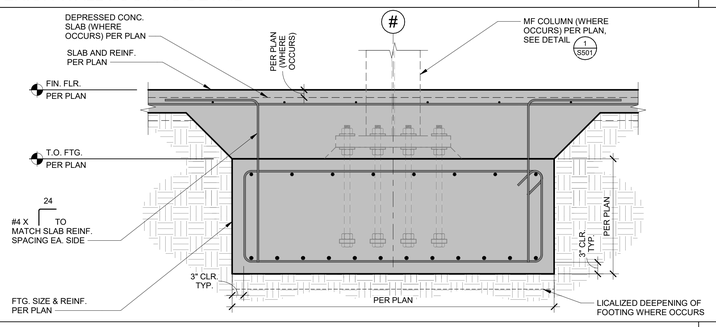
M.F. TENSION REINFORCEMENT — 3/4" = 1'-0" | 1



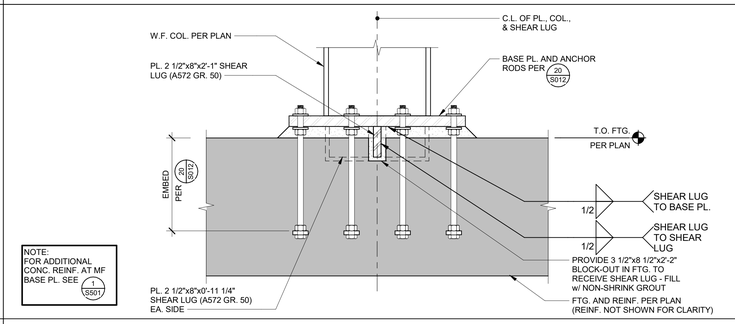
M.F. TENSION REINFORCEMENT — 3/4" = 1'-0" | 2



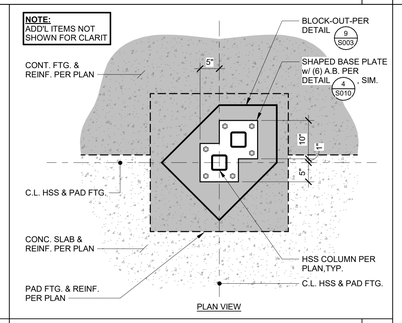
EXTERIOR COLUMN AT FACE OF CURB — N.T.S. | 23



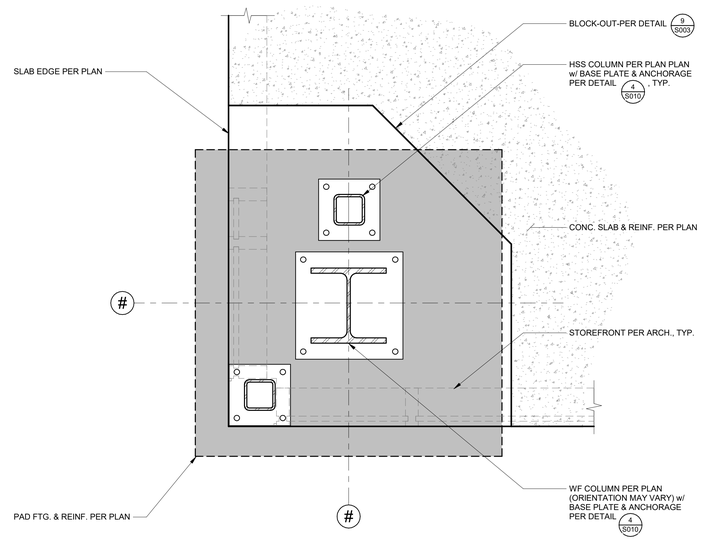
INT. CONT. FTG. DETAIL — 3/4" = 1'-0" | 13



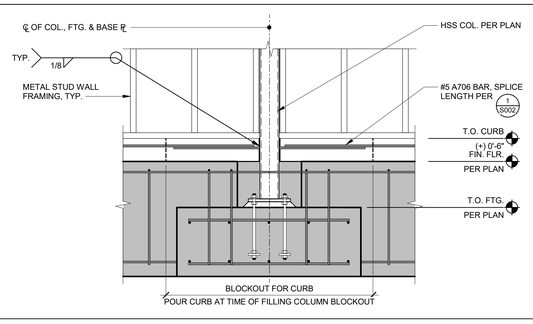
MF BASE PLATE SHEAR LUG — 3/4" = 1'-0" | 3



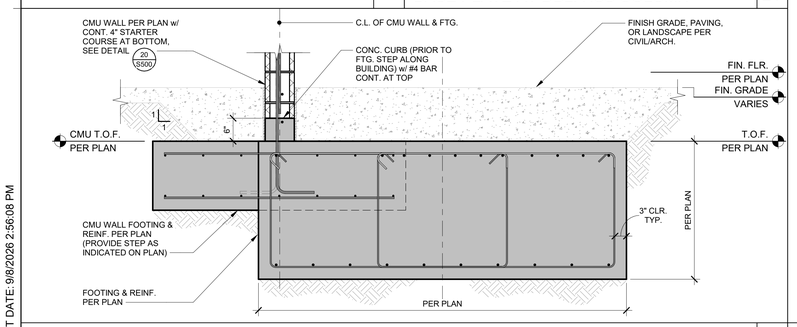
BASE PLATE AT DBL. HSS COLUMN — 3/4" = 1'-0" | 24



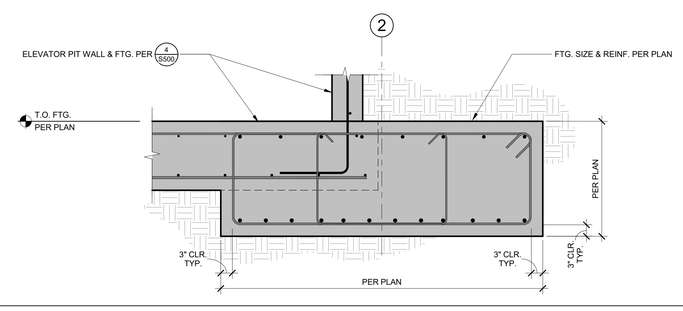
CONC. BLOCK-OUT AT STOREFRONT CORNER — 1" = 1'-0" | 15



COLUMN AT CURB — 3/4" = 1'-0" | 4



CMU WALL FOOTING AT BLDG. FOOTING — 3/4" = 1'-0" | 25



FTG. DETAIL AT ELEVATOR PIT — 3/4" = 1'-0" | 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BI CHANG No. S7143 STRUCTURAL STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
FOUNDATION DETAILS

PROJECT NO.
23-12499

DRAWING
S501

PLOT DATE: 9/8/2026 2:56:08 PM

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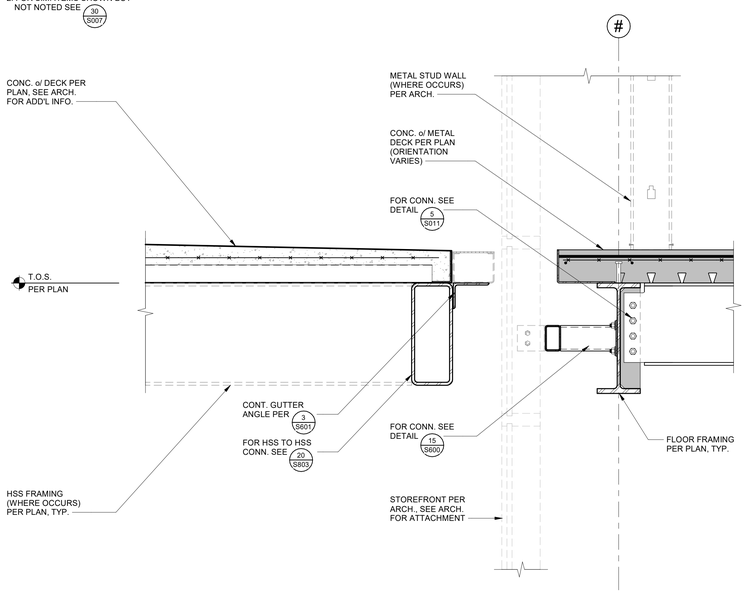
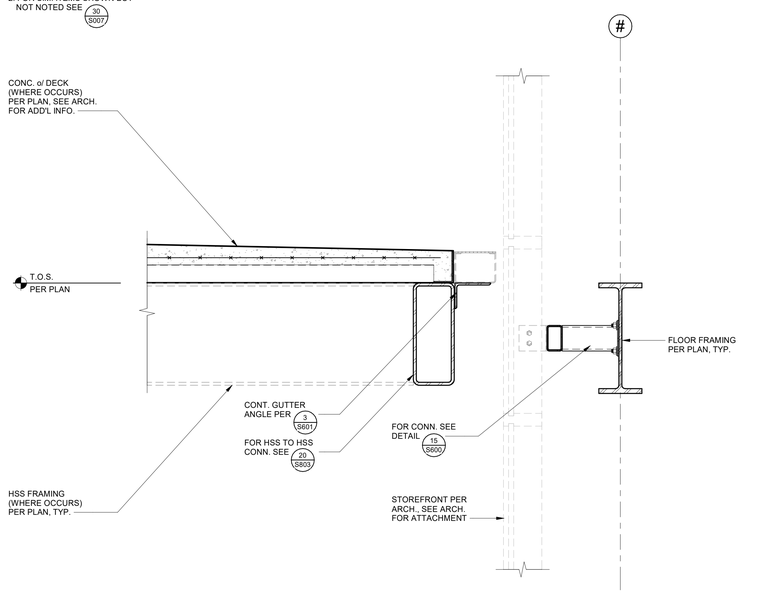
NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 30/S007



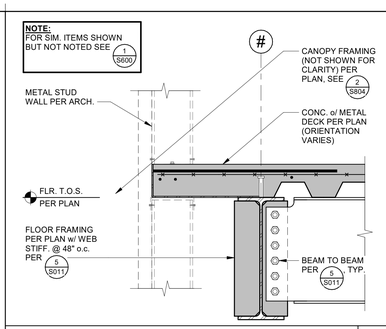
DETAIL 1" = 1'-0" 22

NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 30/S007



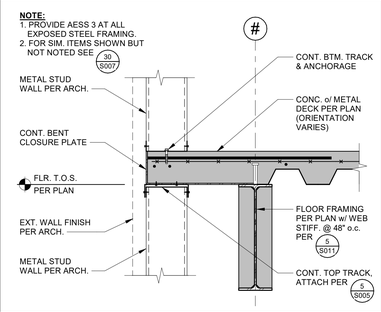
DETAIL 1" = 1'-0" 12

NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 1/S606



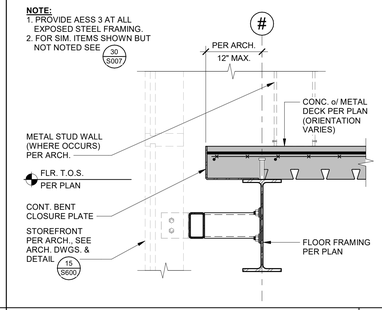
DETAIL 1" = 1'-0" 6

NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 30/S007



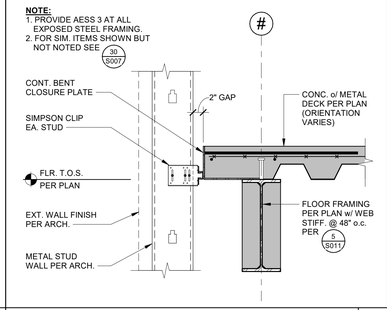
DETAIL 1" = 1'-0" 1

NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 30/S007



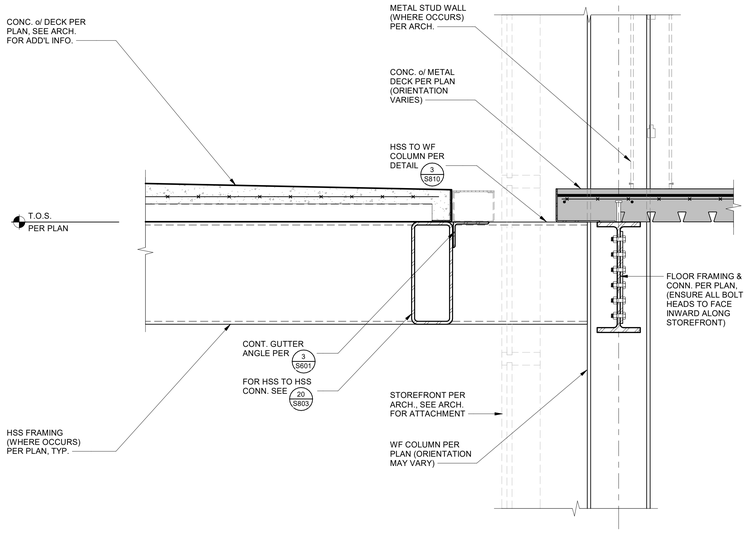
DETAIL 1" = 1'-0" 7

NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 30/S007



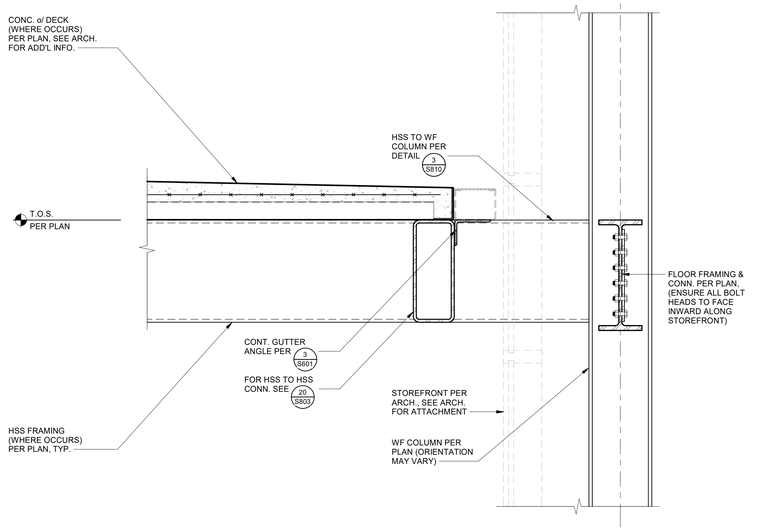
DETAIL 1" = 1'-0" 2

NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 30/S007

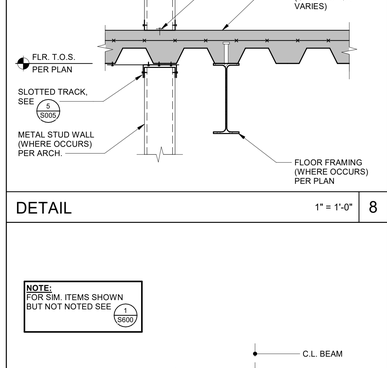


DETAIL 1" = 1'-0" 24

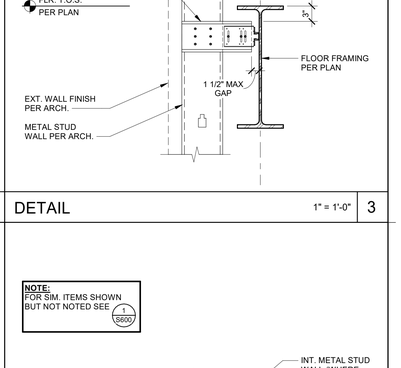
NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 30/S007



DETAIL 1" = 1'-0" 14

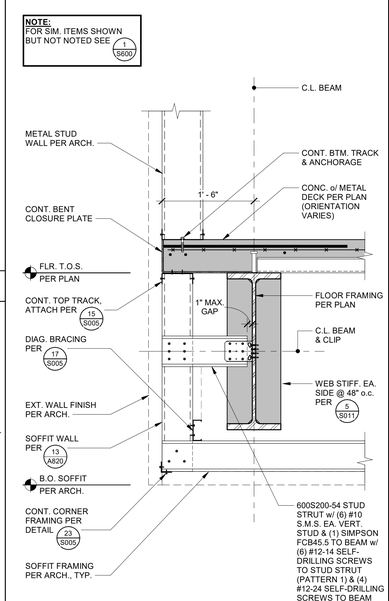


DETAIL 1" = 1'-0" 8



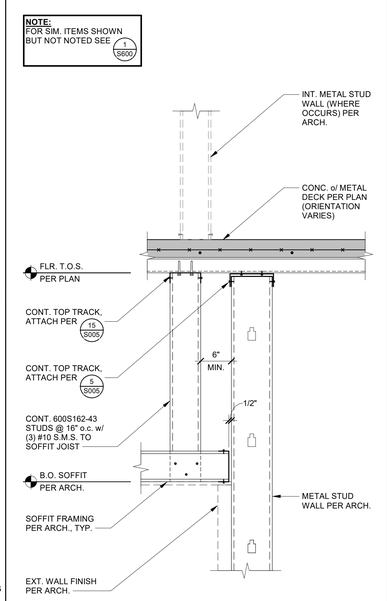
DETAIL 1" = 1'-0" 3

NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 1/S600

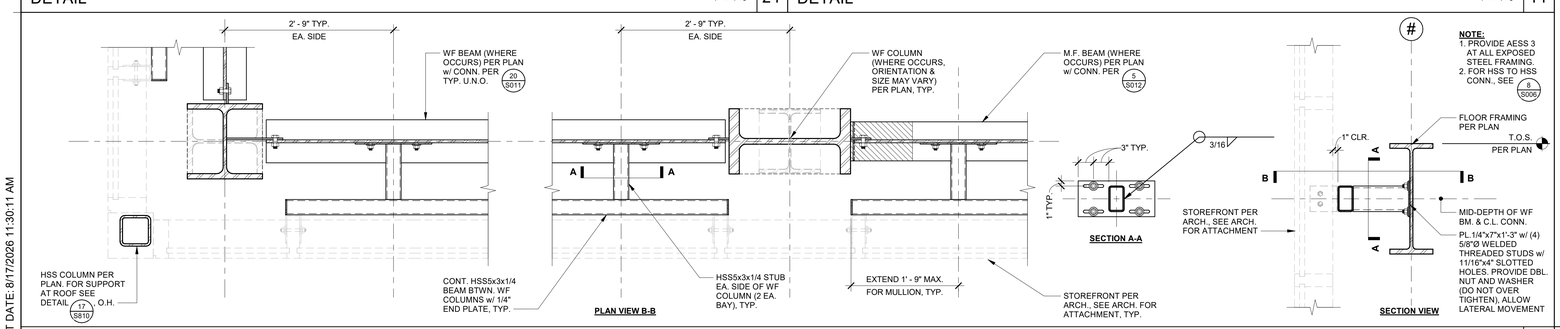


DETAIL 1" = 1'-0" 10

NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE 1/S600



DETAIL 1" = 1'-0" 5



NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. FOR HSS TO HSS CONN., SEE 8/S006

DETAIL 1" = 1'-0" 15

PLOT DATE: 8/17/2026 11:30:11 AM

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BI CHANG No. S7243 REGISTERED STRUCTURAL ENGINEER STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

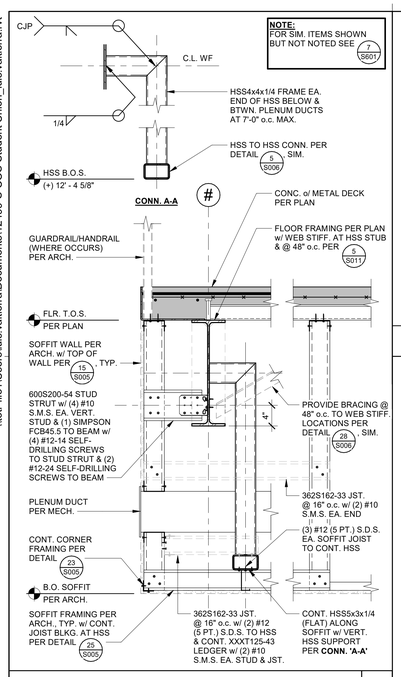
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
FLOOR FRAMING DETAILS

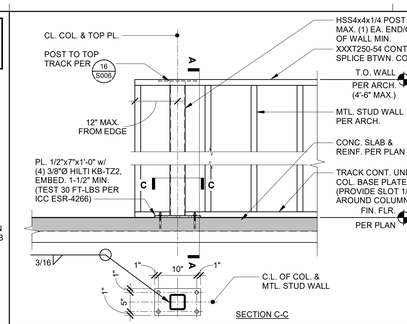
PROJECT NO.
23-12499

DRAWING
S600

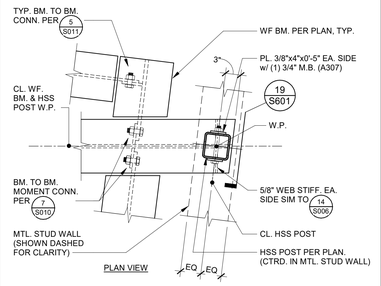
\\tet-file1\Users\luis.valtierra\Documents\12499-S-CCS Student Union_luis.valtierra.rvt



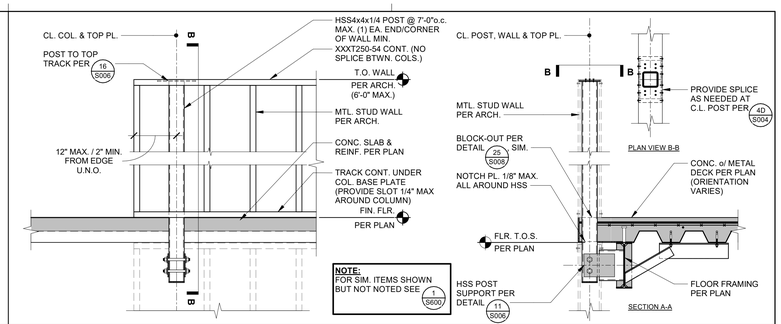
DETAIL 1" = 1'-0" | 27



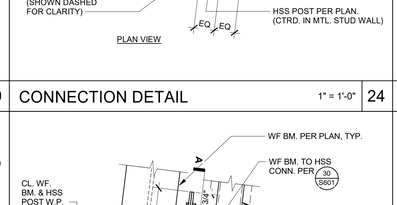
INT. PARTIAL HT. WALL DETAIL - 2ND FLOOR 3/4" = 1'-0" | 16



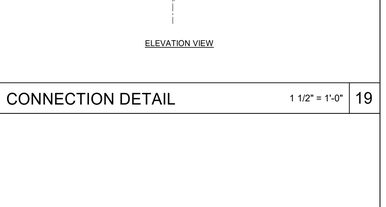
CONNECTION DETAIL 1" = 1'-0" | 11



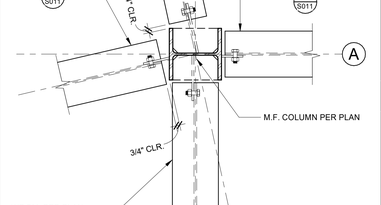
INT. PARTIAL HT. WALL DETAIL - 2ND FLOOR 3/4" = 1'-0" | 1



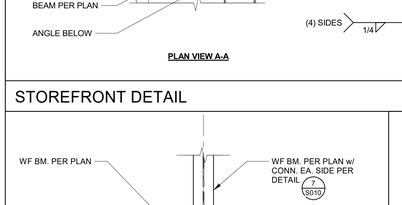
DETAIL 1" = 1'-0" | 23



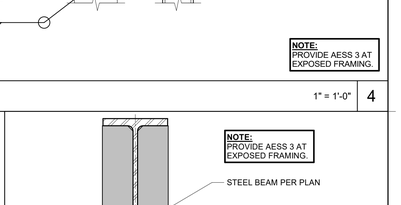
CONNECTION DETAIL 1" = 1'-0" | 18



CONNECTION DETAIL 1" = 1'-0" | 12



DETAIL 1" = 1'-0" | 7



DETAIL 1" = 1'-0" | 2

CONNECTION DETAIL 1" = 1'-0" | 13

DETAIL 1" = 1'-0" | 3

CONNECTION DETAIL 3/4" = 1'-0" | 29

CONNECTION DETAIL 1" = 1'-0" | 24

CONNECTION DETAIL 1 1/2" = 1'-0" | 19

CONNECTION DETAIL 1" = 1'-0" | 15

STOREFRONT DETAIL 1" = 1'-0" | 4

CONNECTION DETAIL 1" = 1'-0" | 30

CONNECTION DETAIL 1" = 1'-0" | 25

CONNECTION DETAIL 1" = 1'-0" | 10

STOREFRONT DETAIL 1 1/2" = 1'-0" | 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7143 STRUCTURAL STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

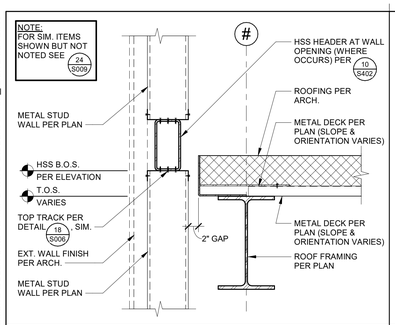
DRAWING TITLE
FLOOR FRAMING DETAILS

PROJECT NO.
23-12499

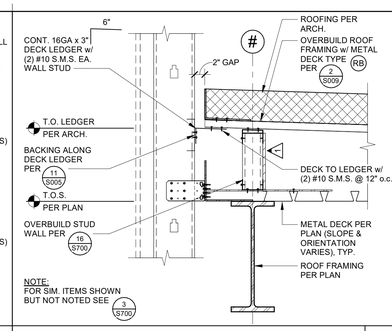
DRAWING
S601

\\tet-file1\Users\luis.valtierra\Documents\12499-S-CCS Student Union_luis.valtierra.rvt

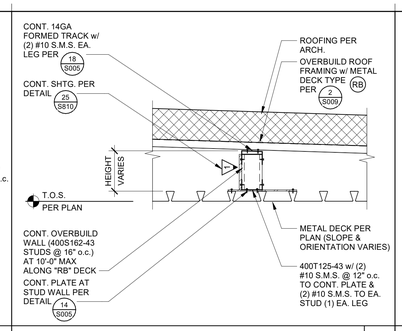
NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE (24/S005)



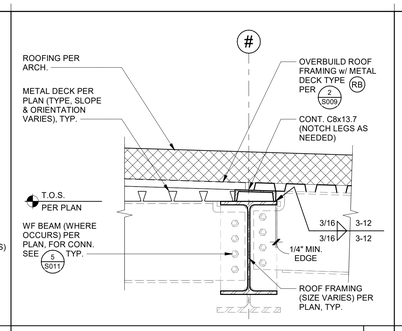
DETAIL 1" = 1'-0" 26



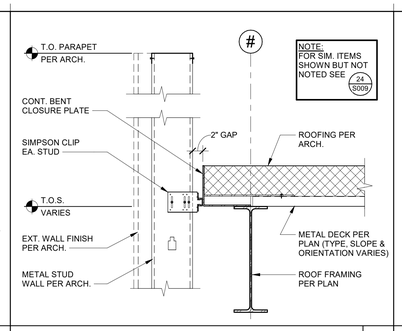
DETAIL 1" = 1'-0" 21



DETAIL 1" = 1'-0" 16



DETAIL 1" = 1'-0" 11



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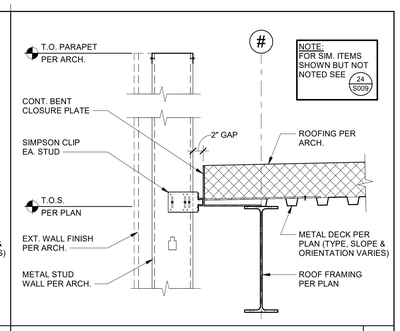
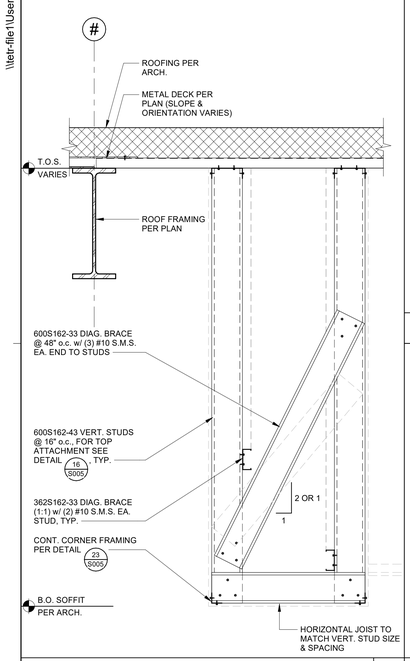
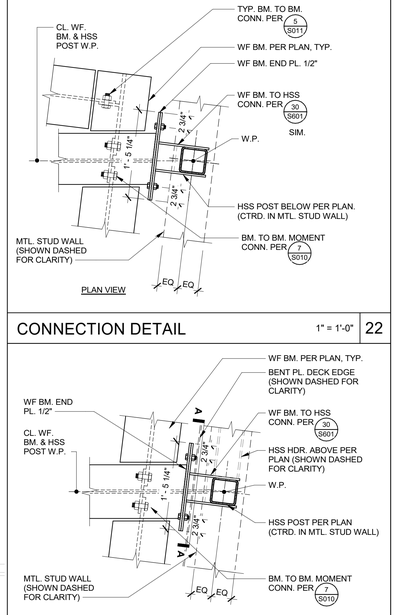


DETAIL 1" = 1'-0" 1



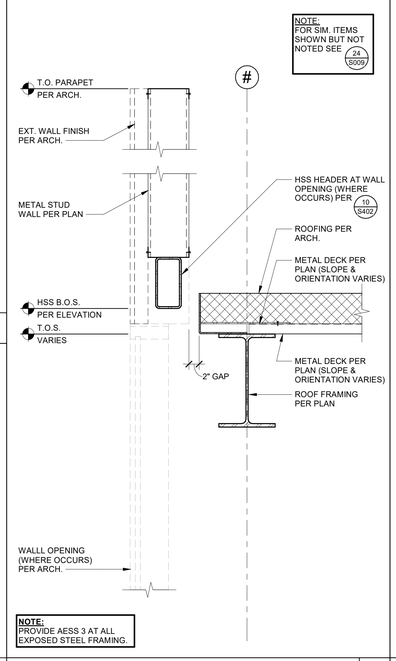
DETAIL 1" = 1'-0" 28



CONNECTION DETAIL 1" = 1'-0" 22

CONNECTION DETAIL 1" = 1'-0" 23

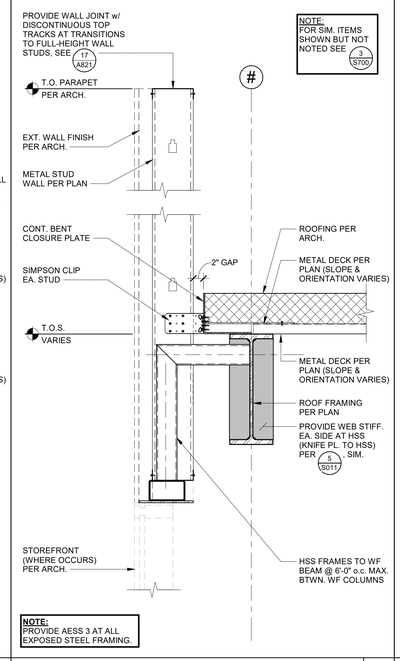
NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE (24/S009)



NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

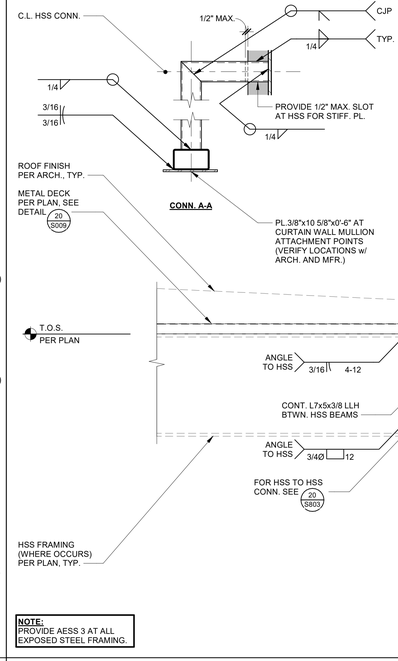
DETAIL 1" = 1'-0" 18

NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE (3/S700)



NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

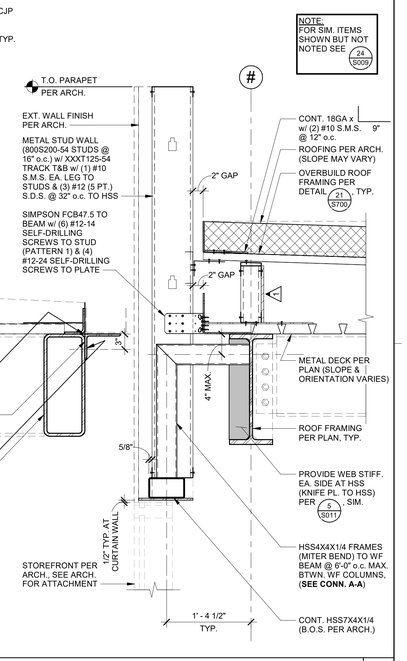
DETAIL 1" = 1'-0" 13



NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

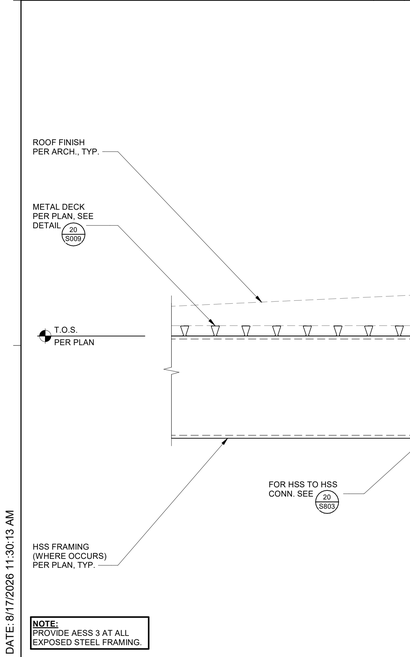
DETAIL 1" = 1'-0" 5

NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE (24/S009)



DETAIL 1" = 1'-0" 3

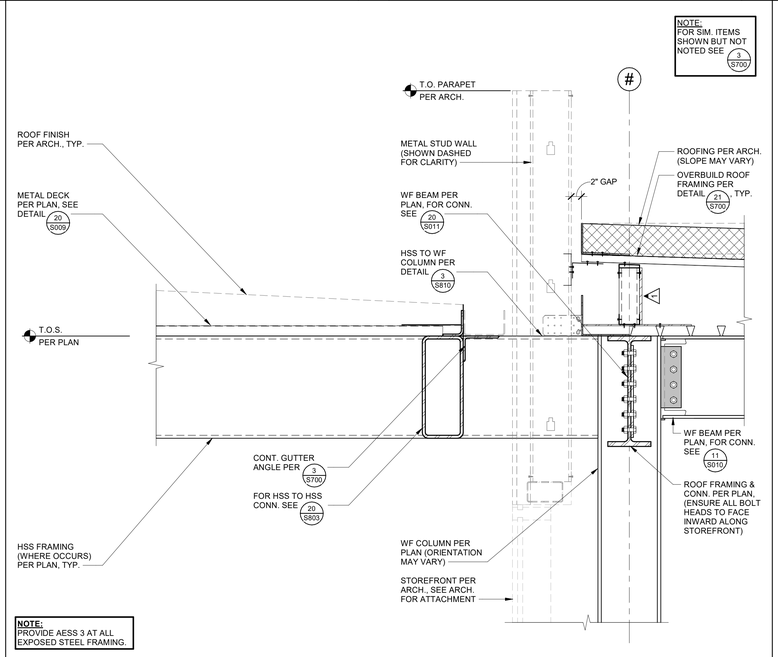
NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE (3/S700)



NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

DETAIL 1" = 1'-0" 25

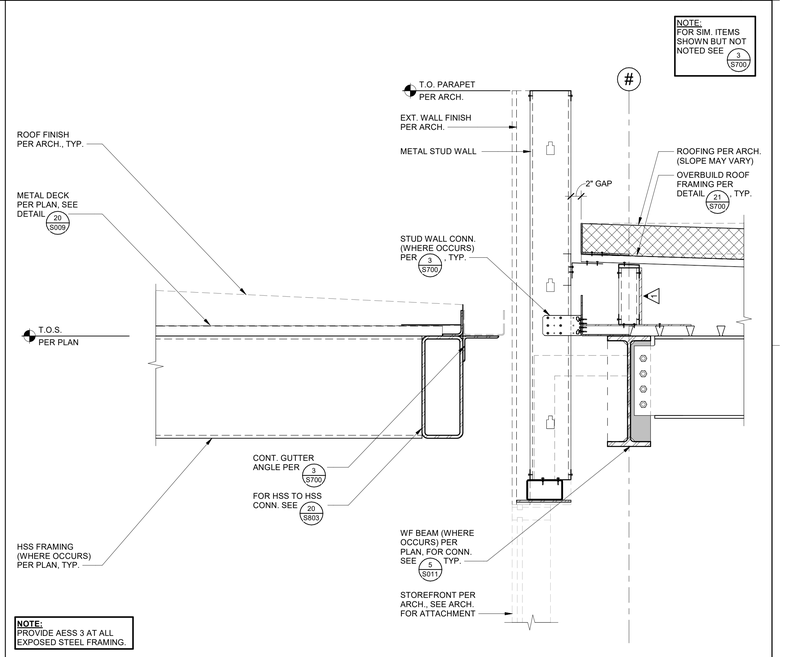
NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE (3/S700)



NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

DETAIL 1" = 1'-0" 15

NOTE:
FOR SIM. ITEMS SHOWN BUT NOT NOTED SEE (3/S700)



NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

DETAIL 1" = 1'-0" 5

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER
BRIAN CHANG
No. S7243
STRUCTURAL
STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
ROOF FRAMING DETAILS

PROJECT NO.
23-12499

DRAWING
S700

TETER

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
ROOF FRAMING DETAILS

PROJECT NO. 23-12499

DRAWING S701

MARK	DATE	DESCRIPTION
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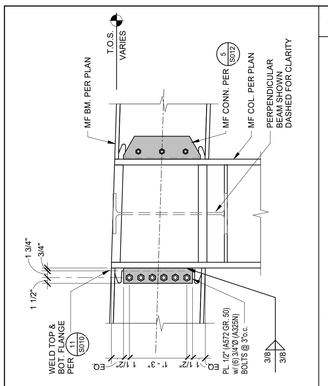
REGISTERED PROFESSIONAL ENGINEER
BRENT B. CHANG
No. S7243
STRUCTURAL
STATE OF CALIFORNIA



CONNECTION DETAIL | 1 | 3/4" = 1'-0"

PLOT DATE: 8/17/2026 11:30:14 AM

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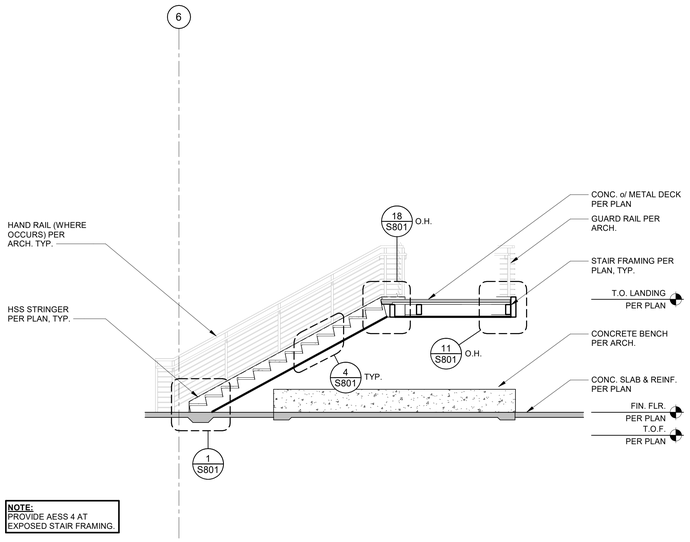
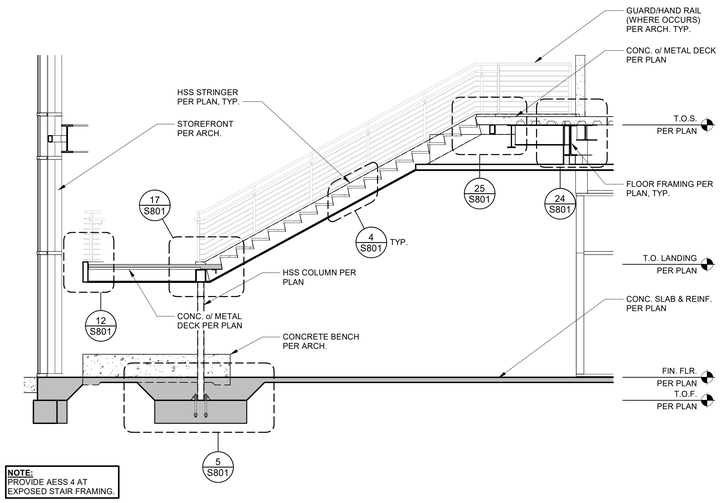
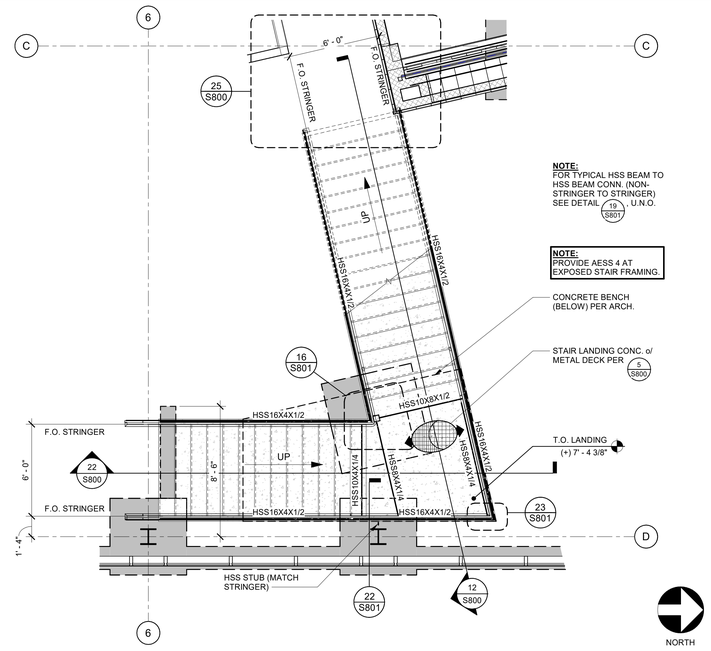


STAIR 1 - SECTION 1/4" = 1'-0" 22



STAIR 1 - SECTION 1/4" = 1'-0" 12



STAIR 1 - FOUNDATION PLAN 1/4" = 1'-0" 2

STAIR 2 -SECTION 1/4" = 1'-0" 29

STAIR 2 -SECTION 1/4" = 1'-0" 19

STAIR 2 -SECTION 1/4" = 1'-0" 9

STAIR 2 - FOUNDATION PLAN 1/4" = 1'-0" 4

STAIR 1 - PARTIAL SECOND FLOOR FRAMING PLAN 1/4" = 1'-0" 25

STAIR LANDING DECK

DECK			CONCRETE FILL		TYPICAL ATTACHMENT			
MARK	PROFILE	GAGE	TYPE	THICKNESS ABOVE TOP FLUTE	REINFORCING	⊥ TO DECK	|| TO DECK	SIDE LAPS	REMARKS
STAIRS PLANS	VERCO B-36 FORMLOK	16	NORMAL WEIGHT	2 1/2"	6x6 W4xW4 WIRE MESH	(4) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 1 PER RIB (4 TYP.)	(4) 0.41" PUDDLE WELDS (3/4"Ø VISIBLE) 12" o.c. TYP.	VSC2 @ 18" O.C.	COMPLY W/ IAPMO UES REPORT ES-2018 (ISSUED 07/2019, REVISED 08/2025)

VERCO B-36 FORMLOK

DECK PROPERTIES				
TYPE	GAGE	I (IN^4)	+S (IN^3)	-S (IN^3)
B-36	16	0.381	0.399	0.410

NOTES:

1. ASTM A 653 SS GRADE 50 WITH G60 GALVANIZED FINISH. 50,000 PSI YIELD STRENGTH. 65,000 PSI MINIMUM TENSILE STRENGTH.

STAIR LANDING DECK SCHEDULE 12" = 1'-0" 5

NOTES:

1. ENDS SHALL TERMINATE OVER A SUPPORT PERP. TO THE DECK SPAN, EXCEPT AT OPENINGS OR BUILDING EDGES WHERE DECKS MAY BE CANTILEVERED.
2. GENERAL CONTRACTOR TO PROVIDE SHORING WHERE REQ'D BASED ON METAL DECK LAYOUT SHOP DRAWINGS.
3. DECK SHALL HAVE A MINIMUM OF 2" BEARING AT ALL SUPPORTING MEMBERS PERPENDICULAR TO DECK SPAN AND 2" AT ALL MEMBERS PARALLEL TO DECK SPAN.
4. DIAMETER OF PUDDLE WELD SHOWN REPRESENTS EFFECTIVE FUSION AREA.
5. WHERE TWO ADJACENT DECK SHEETS ARE SUPPORTED BY ONE FRAMING MEMBER, EACH SHEET SHALL INDIVIDUALLY SATISFY THE REQUIREMENTS OF NOTE 3 AND OF THE ATTACHMENT SCHEDULE.
6. DO NOT SUSPEND PIPING, LIGHT FIXTURES, CONDUITS OR OTHER UTILITIES FROM METAL DECK ALONE, AND DO NOT PLACE PIPES IN CONCRETE FILL OVER DECK.
7. DECK ATTACHMENTS TO STRUCTURAL MEMBERS, AS SCHEDULED, PER MANUFACTURERS RECOMMENDATIONS.
10. WELDED WIRE REINFORCING SHALL BE OVERLAPPED 1 FULL MESH +2" ON SIDES AND ENDS (8" MIN).

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7143 STRUCTURAL STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
STAIR FRAMING PLANS & SECTIONS

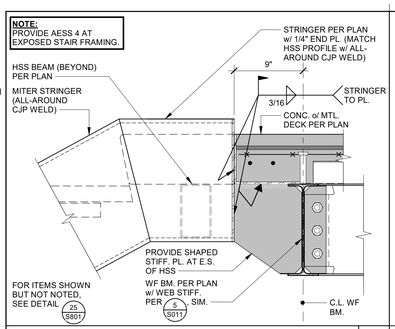
PROJECT NO.
23-12499

DRAWING
S800

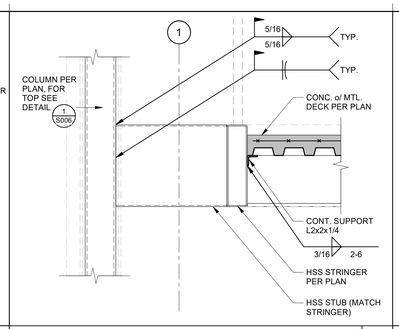
PLOT DATE: 8/17/2026 11:30:19 AM

\\tet-file1\Users\luis.valtierra\Documents\12499-S-COS Student Union_luis.valtierra.rvt

NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.



STAIR DETAIL — 1 1/2" = 1'-0" — 26



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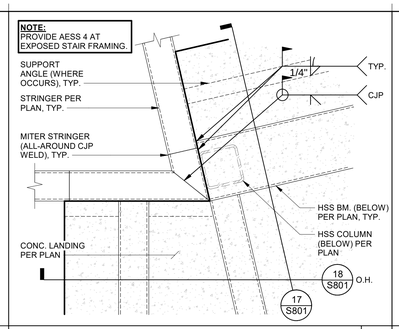
NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.



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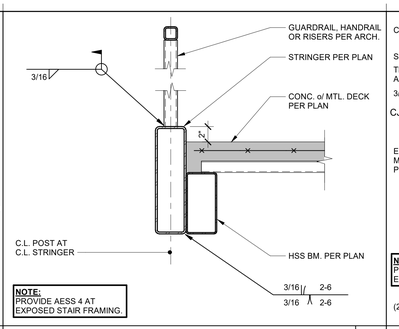
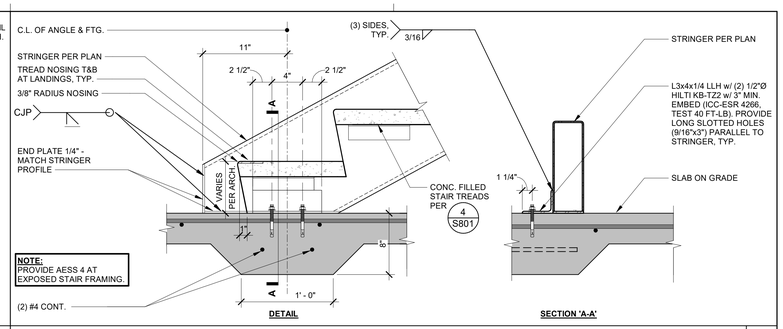


NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 11

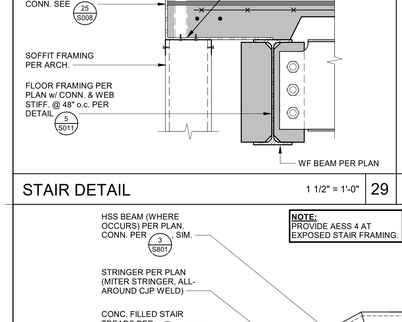
NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.



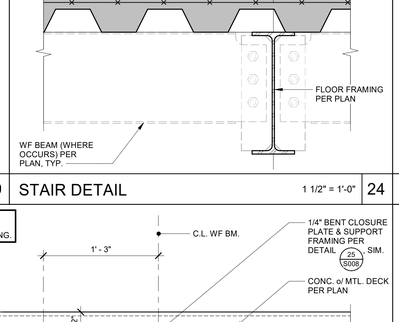
NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 1

NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

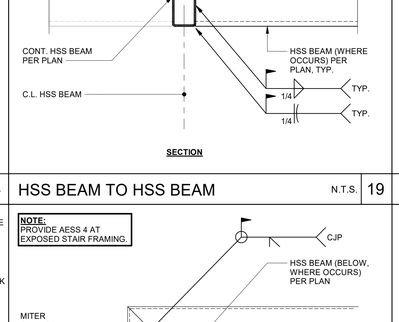


STAIR DETAIL — 1 1/2" = 1'-0" — 27



STAIR DETAIL — 1" = 1'-0" — 22

NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.



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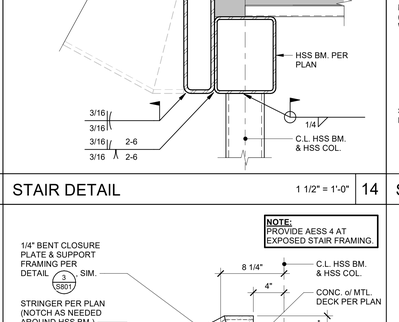
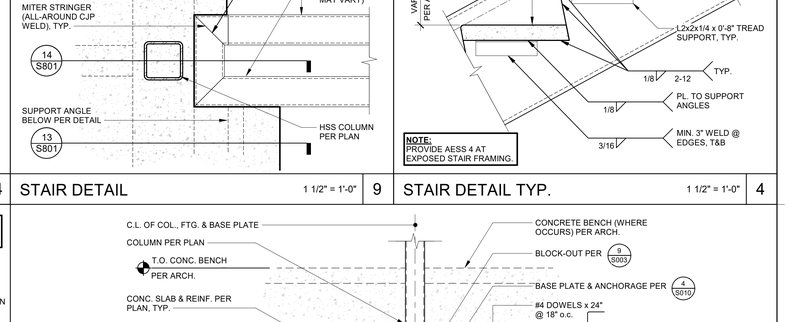


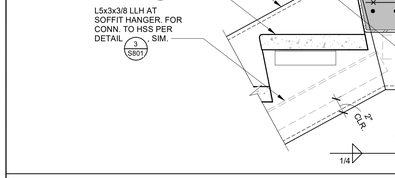
NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 12



NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 2



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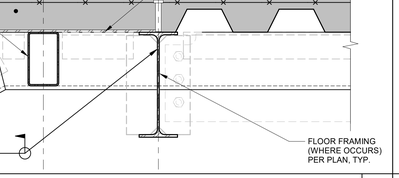
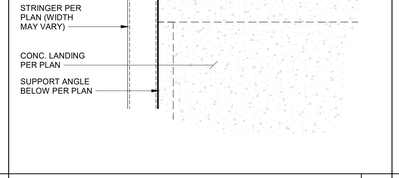
NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.



STAIR DETAIL — 1 1/2" = 1'-0" — 23



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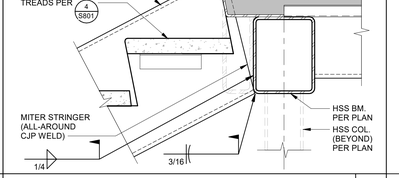
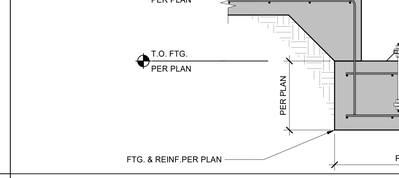


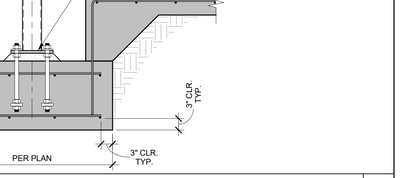
NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 13



NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 8



NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 3

STAIR DETAIL — 1 1/2" = 1'-0" — 29

NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 24

NOTE:
1. PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.
2. HSS SIZE MAY VARY

SECTION

HSS BEAM TO HSS BEAM — N.T.S. — 19

NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 14

NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL — 1 1/2" = 1'-0" — 9

NOTE: PROVIDE AESS 4 AT EXPOSED STAIR FRAMING.

STAIR DETAIL TYP. — 1 1/2" = 1'-0" — 4

STAIR DETAIL — 1 1/2" = 1'-0" — 25

STAIR DETAIL — 1 1/2" = 1'-0" — 20

STAIR DETAIL — 1 1/2" = 1'-0" — 15

TYP. ISOLATED FOOTING AT STAIR LANDING — 3/4" = 1'-0" — 5

PLOT DATE: 8/17/2026 11:30:23 AM

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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

REGISTERED PROFESSIONAL ENGINEER — BRIAN CHANG — No. S7243 — STRUCTURAL — STATE OF CALIFORNIA

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: STAIR FRAMING DETAILS

PROJECT NO. 23-12499

DRAWING S801

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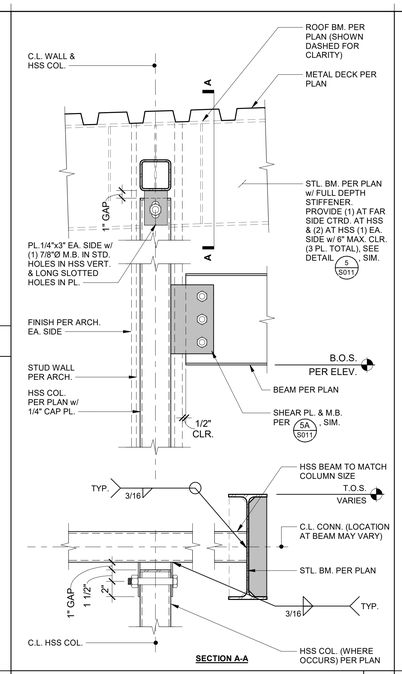
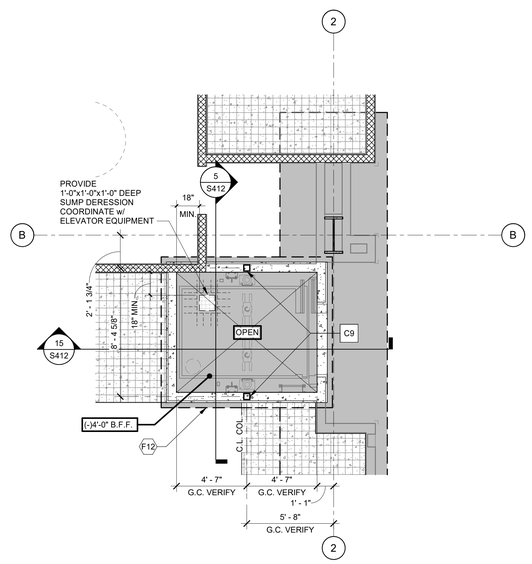


SECTION A-A

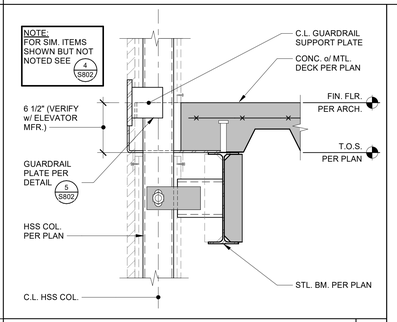
HOIST BEAM CONNECTION

1 1/2" = 1'-0" | 12



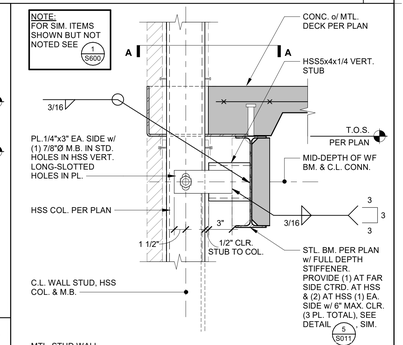
PARTIAL ENLARGED FOUNDATION PLAN

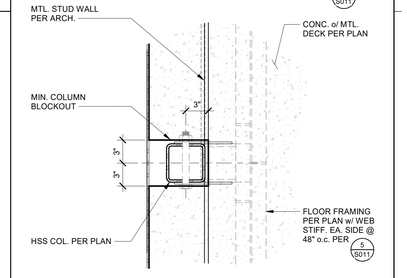
1/4" = 1'-0" | 2



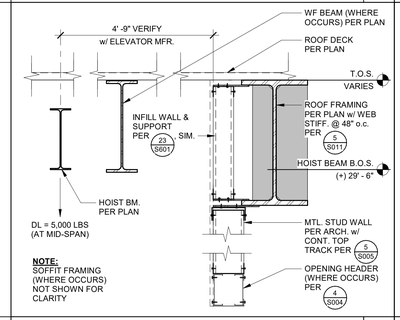
ELEVATOR GUARDRAIL SUPPORT

1 1/2" = 1'-0" | 8



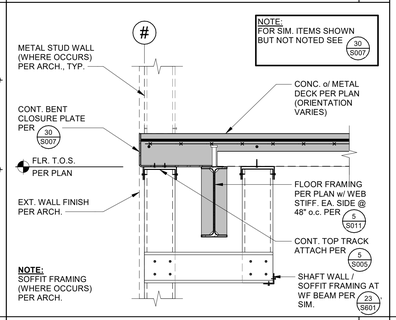


SECTION A-A



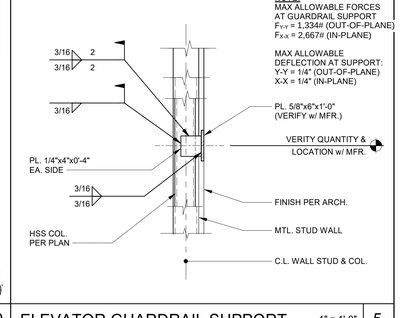
ELEVATOR DETAIL AT OPENING

1" = 1'-0" | 14



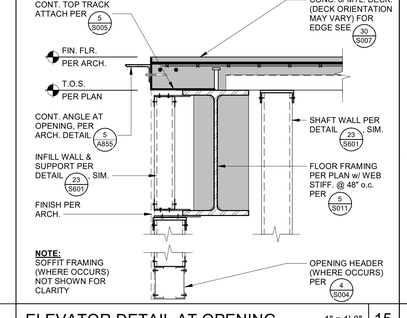
ELEVATOR DETAIL

1" = 1'-0" | 9



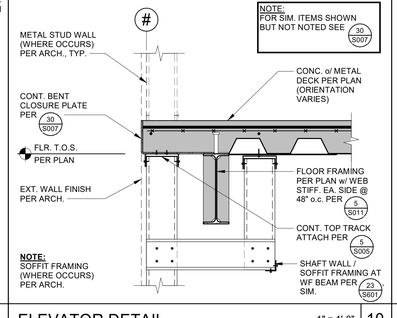
ELEVATOR COLUMN BRACING

1 1/2" = 1'-0" | 4



ELEVATOR DETAIL AT OPENING

1" = 1'-0" | 15



ELEVATOR DETAIL

1" = 1'-0" | 10

ELEVATOR GUARDRAIL SUPPORT

1" = 1'-0" | 5

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REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7143 STRUCTURAL CALIFORNIA

TETER, INC.

FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
ENLARGED ELEVATOR PLAN & DETAILS

PROJECT NO.
23-12499

DRAWING
S802

PLOT DATE: 8/17/2026 11:30:25 AM

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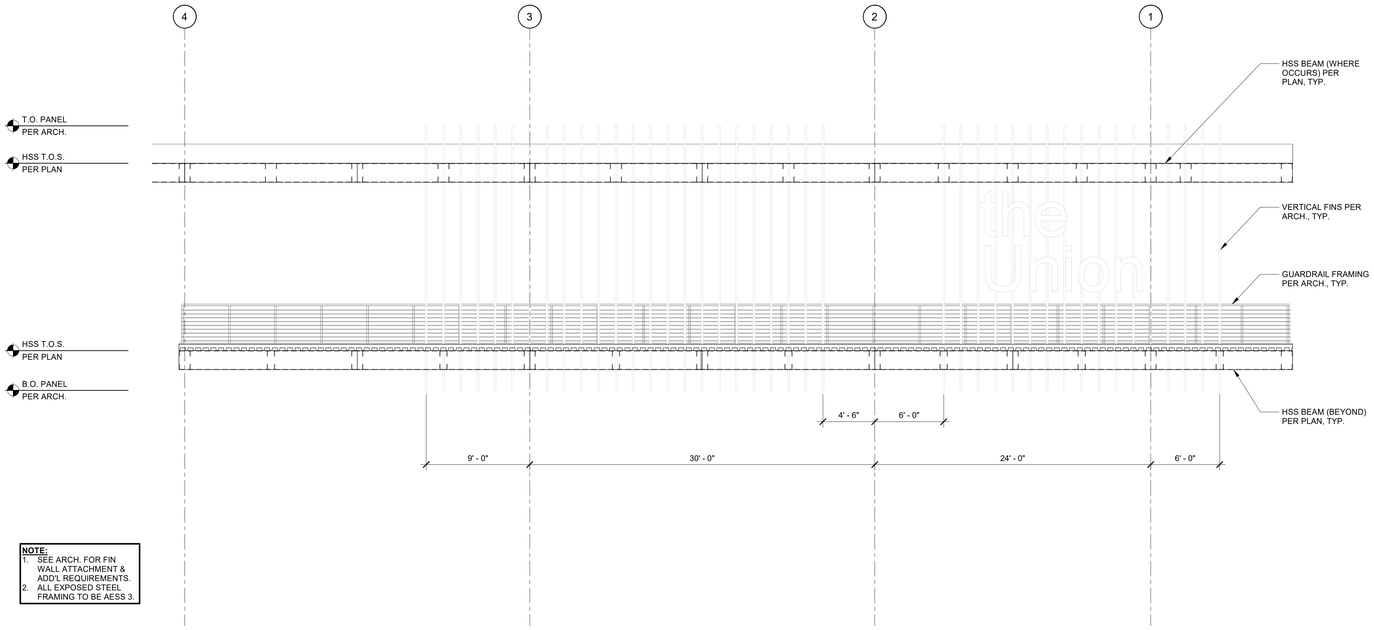
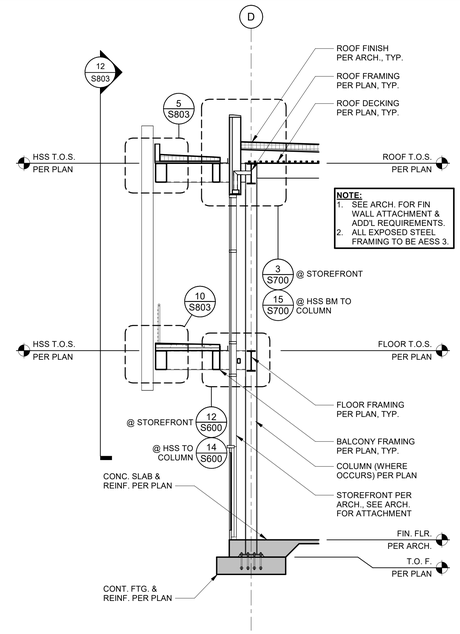


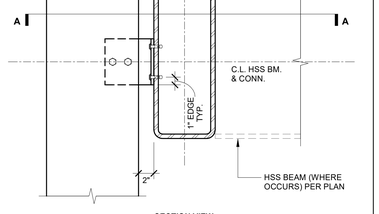
NOTE:
1. SEE ARCH. FOR FIN WALL ATTACHMENT & ADD'L REQUIREMENTS.
2. ALL EXPOSED STEEL FRAMING TO BE AESS 3.

ELEVATION - FIN WALL — 3/16" = 1'-0" — 12

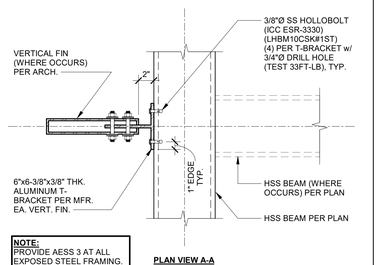


NOTE:
1. SEE ARCH. FOR FIN WALL ATTACHMENT & ADD'L REQUIREMENTS.
2. ALL EXPOSED STEEL FRAMING TO BE AESS 3.

WALL SECTION — 3/16" = 1'-0" — 2



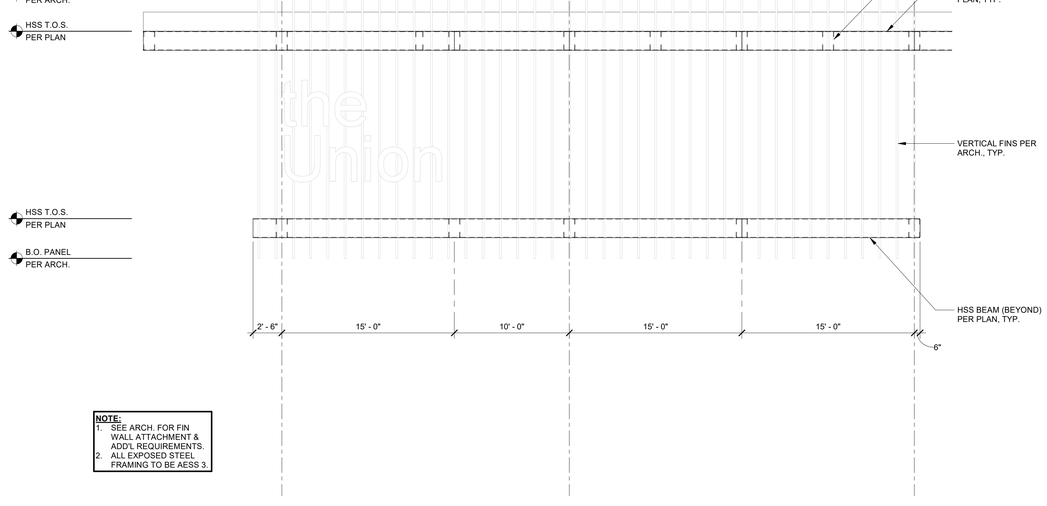
SECTION VIEW



NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

PLAN VIEW A-A

FIN WALL DETAIL — 1 1/2" = 1'-0" — 29

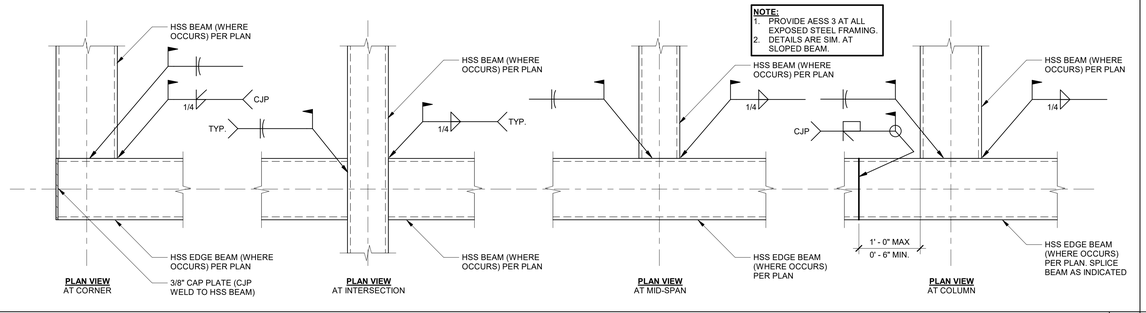


NOTE:
1. SEE ARCH. FOR FIN WALL ATTACHMENT & ADD'L REQUIREMENTS.
2. ALL EXPOSED STEEL FRAMING TO BE AESS 3.

ELEVATION - FIN WALL — 3/16" = 1'-0" — 14

NOTE:
1. SEE ARCH. FOR FIN WALL ATTACHMENT & ADD'L REQUIREMENTS.
2. ALL EXPOSED STEEL FRAMING TO BE AESS 3.

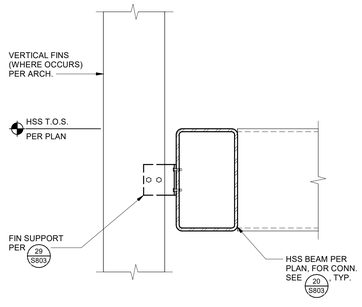
WALL SECTION — 3/16" = 1'-0" — 4



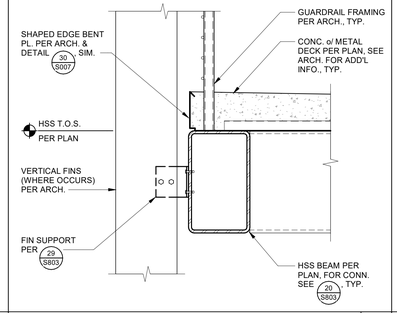
NOTE:
1. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.
2. DETAILS ARE SIM. AT SLOPED BEAM.

PLAN VIEW AT CORNER — **PLAN VIEW** AT INTERSECTION — **PLAN VIEW** AT MID-SPAN — **PLAN VIEW** AT COLUMN

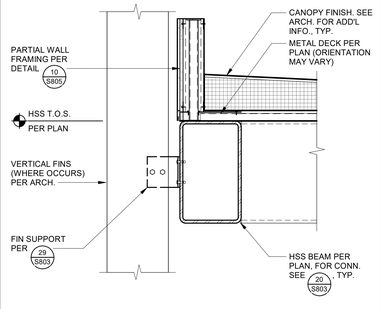
HSS TO HSS CONN. DETAIL — 1" = 1'-0" — 20



FIN WALL DETAIL — 1" = 1'-0" — 15



FIN WALL DETAIL — 1" = 1'-0" — 10



FIN WALL DETAIL — 1" = 1'-0" — 5

PLOT DATE: 8/17/2026 11:30:29 AM

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REGISTERED PROFESSIONAL ENGINEER B. CHANG No. S7843 MECHANICAL STATE OF CALIFORNIA

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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
MISCELLANEOUS FRAMING & DETAILS

PROJECT NO.
23-12499

DRAWING
S803

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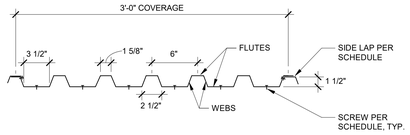
8" 10" 12" 7" 5"

CANOPY DECK						
DECK			ATTACHMENT			REMARKS
MARK ⊥	PROFILE	GAGE	⊥ TO DECK	∥ TO DECK	SIDE LAPS	
B	STANDARD B DECK** (INVERTED)	20	(1) SCREW EACH FLUTE	SCREWS @ 12" o.c.	#12 SCREWS @ 24" o.c.	COMPLY W/ ICC-ES REPORT ESR-3818 (REISSUED 05/2025)

** BASIS OF DESIGN MFR. IS 'NEW MILLENIUM BUILDING SYSTEMS'

NOTES:

1. ENDS SHALL TERMINATE OVER A SUPPORT PERP. TO THE DECK SPAN, EXCEPT AT OPENINGS OR BUILDING EDGES WHERE DECKS MAY BE CANTILEVERED.
   A. AT SINGLE SPANS GREATER THAN 8'-0" PROVIDE 18GA AND AT SINGLE SPANS GREATER THAN 9'-0" PROVIDE 16GA. DECK WITH SAME FASTENING PATTERN. SINGLE SPAN WITH 16GA. IS LIMITED TO 10'-0" MAX. WITH SAME FASTENING PATTERN.
2. DECK SHALL HAVE A MINIMUM OF 2" BEARING AT ALL SUPPORTING MEMBERS PERPENDICULAR TO DECK SPAN AND 2" AT ALL MEMBERS PARALLEL TO DECK SPAN. AT ENDS OF DIAPHRAGM EDGES, DECK SHALL BEAR FULL WIDTH OF BEARING MEMBERS AS SHOWN IN DETAILS. SUPPORT PLATES AND CONN. SHALL BE PROVIDED BY DECKING CONTRACTOR WHERE DETAIL AS SHOWN IS NOT ACHIEVED.
3. WHERE TWO ADJACENT DECK SHEETS ARE SUPPORTED BY ONE FRAMING MEMBER, EACH SHEET SHALL INDIVIDUALLY SATISFY THE REQUIREMENTS OF NOTE 2 AND OF THE ATTACHMENT SCHEDULE (BUTTED ENDS).
4. DECK ATTACHMENTS TO STRUCTURAL MEMBERS AS SCHEDULED.
   A. FOR SCREW ATTACHMENT, PROVIDE SDI RECOGINZED #12 (5 PT.) SELF DRILLING SELF TAPPING SCREWS.
   B. FOR EXPOSED DECK SCREWS, PROVIDE NEOPRENE GASKET WASHERS.
   C. MANUFACTURERS LIMITED TO BUILDEX, ELCO, HILTI, SIMPSON STRONG-TIE OR TRIANGLE. SCREWS SHALL COMPLY WITH ASTM C1513.



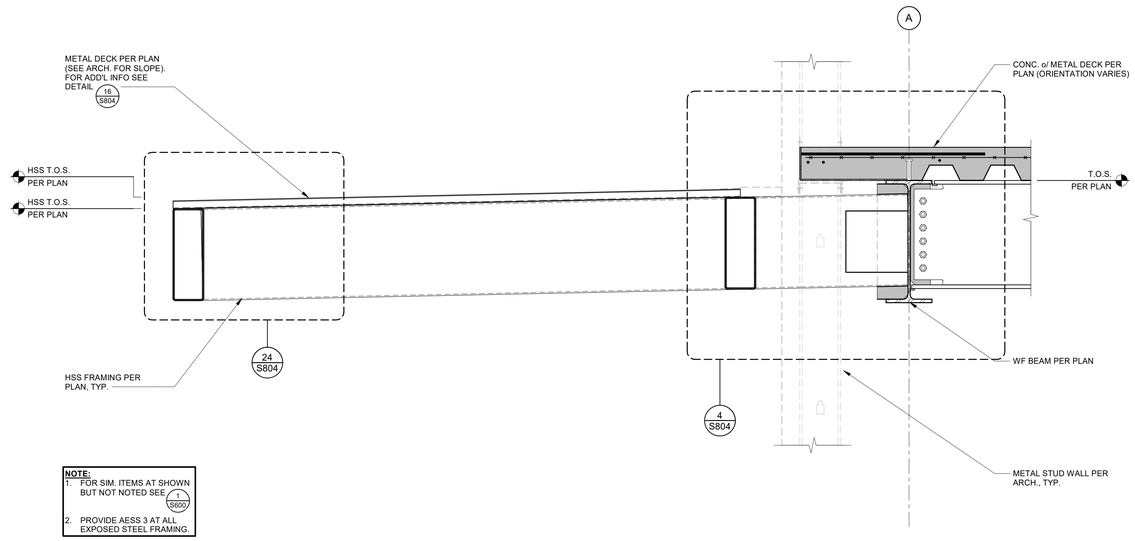
DECK PROPERTIES						
TYPE	GAGE	+I (IN^4)	-I (IN^4)	+S (IN^3)	-S (IN^3)
B	20	0.213	0.201	0.235	0.224

NOTES:

1. ASTM A653 SS GRADE 50 WITH G90 GALVANIZED FINISH. 50,000 PSI YIELD STRENGTH.

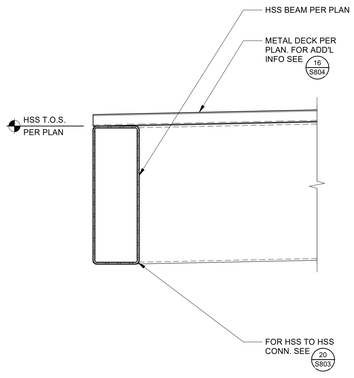
B - STANDARD B DECK (INVERTED)

CANOPY DECK SCHEDULE — N.T.S. — 16



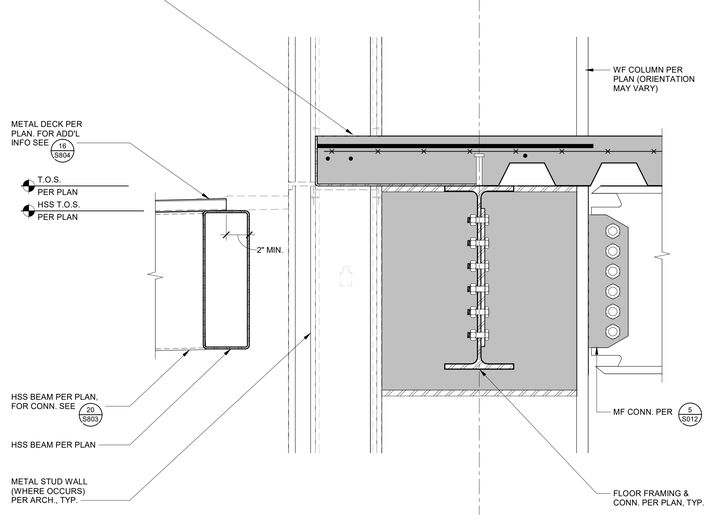
NOTE:
1. FOR SIM. ITEMS AT SHOWN BUT NOT NOTED SEE 1/S600
2. PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

WEST CANOPY FRAMING SECTION — 1" = 1'-0" — 2



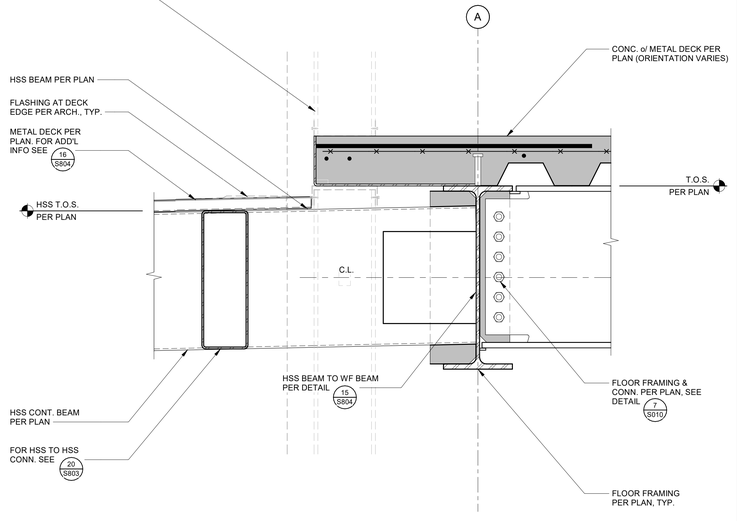
NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

WEST CANOPY DETAIL — 1 1/2" = 1'-0" — 24



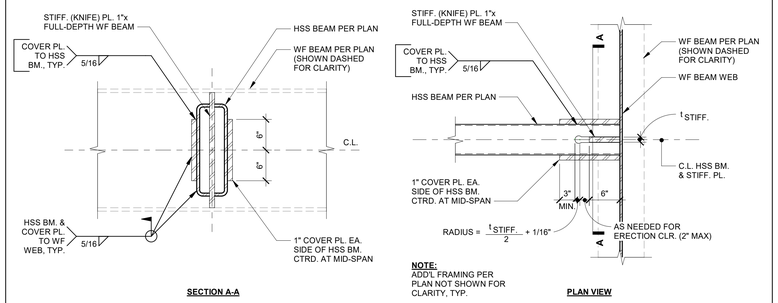
NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

WEST CANOPY DETAIL — 1 1/2" = 1'-0" — 14

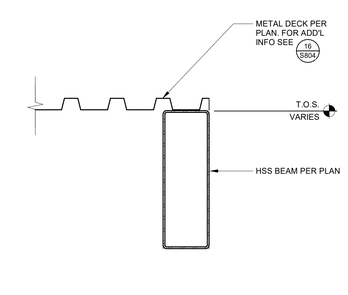


NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

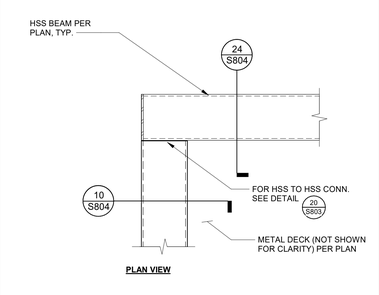
WEST CANOPY DETAIL — 1 1/2" = 1'-0" — 4



WEST CANOPY DETAIL — 1" = 1'-0" — 15



WEST CANOPY DETAIL — 1 1/2" = 1'-0" — 10



WEST CANOPY DETAIL — 1 1/2" = 1'-0" — 5

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

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MARK	DATE	DESCRIPTION
	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER — B. CHANG — No. ST 8243 — STRUCTURAL — STATE OF CALIFORNIA

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: MISCELLANEOUS FRAMING & DETAILS

PROJECT NO. 23-12499

DRAWING S804

PLOT DATE: 8/17/2026 11:30:31 AM

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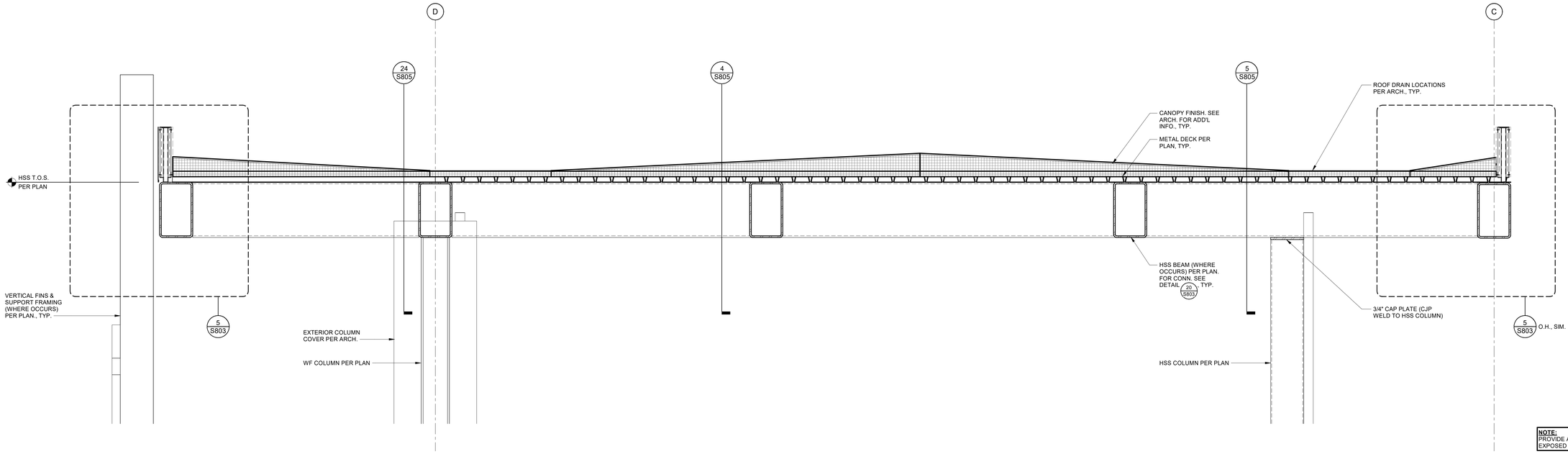
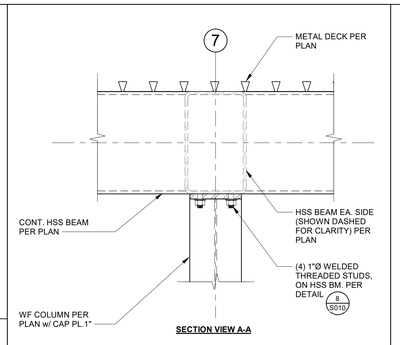


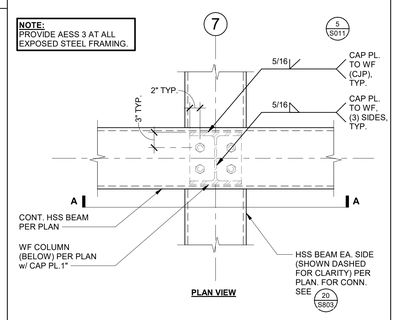
NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

SOUTH CANOPY SECTION - LOOKING SOUTH — 3/4" = 1'-0" — 2



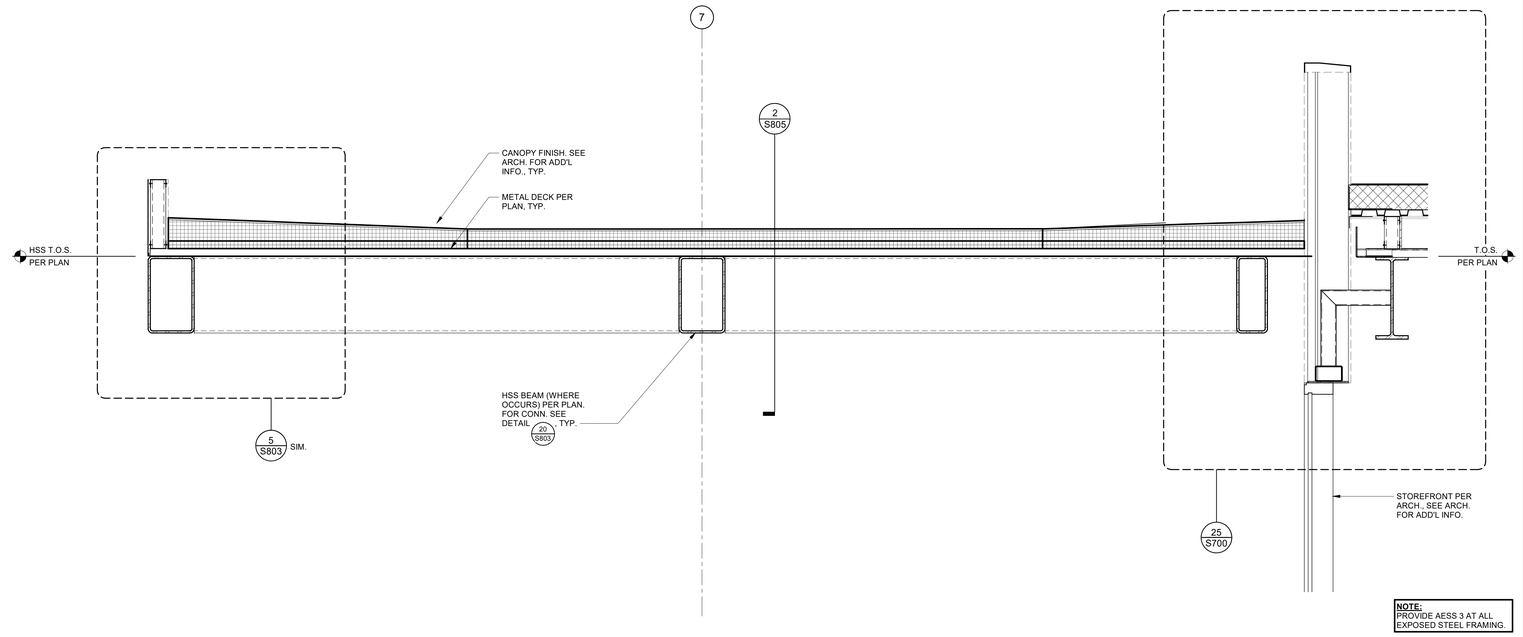
SECTION VIEW A-A

NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.



PLAN VIEW

SOUTH CANOPY DETAIL — 1" = 1'-0" — 24

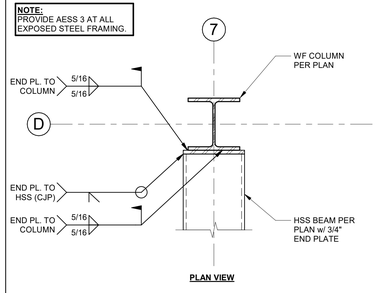


NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

SOUTH CANOPY SECTION - LOOKING WEST — 3/4" = 1'-0" — 4

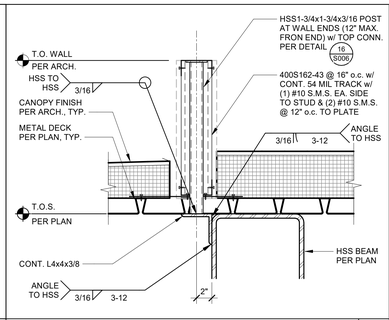
SECTION VIEW A-A

NOTE:
PROVIDE AESS 3 AT ALL EXPOSED STEEL FRAMING.

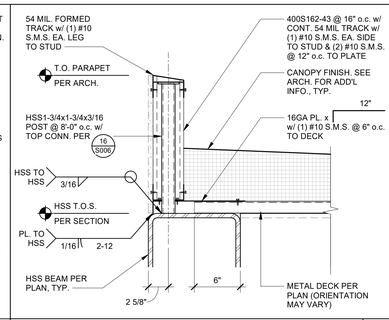


PLAN VIEW

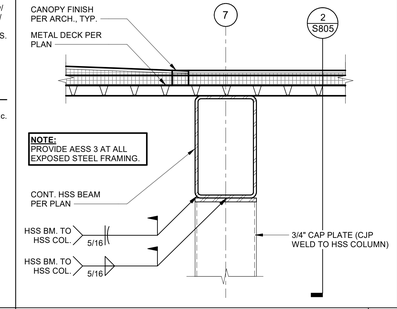
SOUTH CANOPY DETAIL — 1" = 1'-0" — 20



SOUTH CANOPY DETAIL — 1 1/2" = 1'-0" — 15



SOUTH CANOPY DETAIL — 1 1/2" = 1'-0" — 10



SOUTH CANOPY DETAIL — 1" = 1'-0" — 5

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	08-14-26	DSA BACKCHECK

REGISTERED PROFESSIONAL ENGINEER BRIAN CHANG No. S7843 CIVIL STRUCTURAL MECHANICAL STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE
MISCELLANEOUS FRAMING & DETAILS

PROJECT NO.
23-12499

DRAWING
S805

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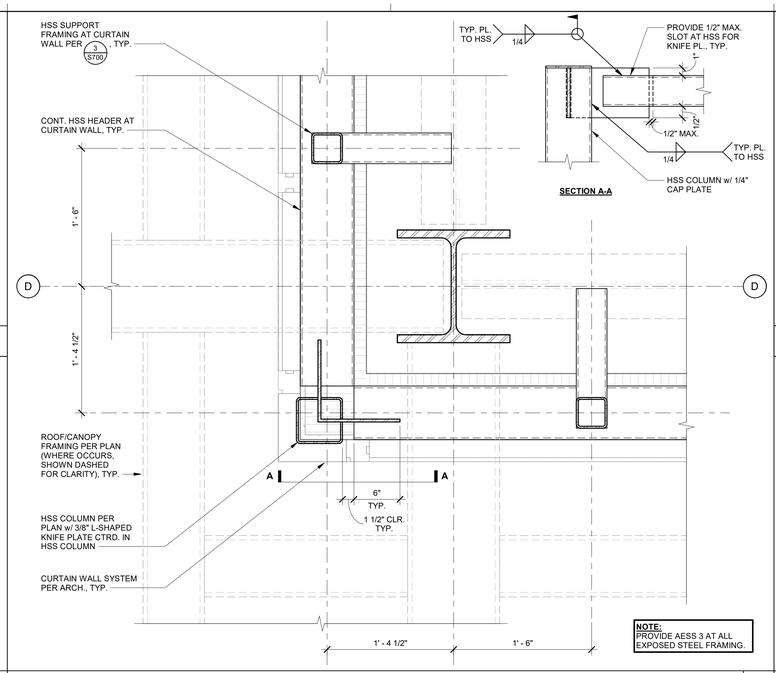
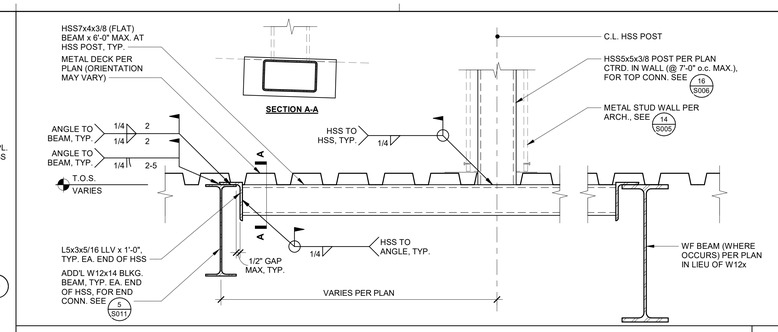
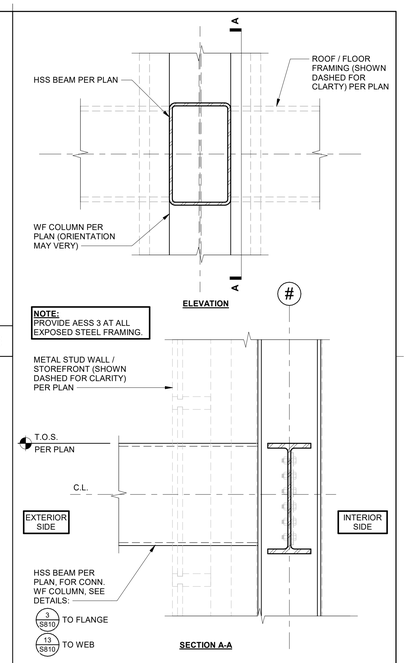


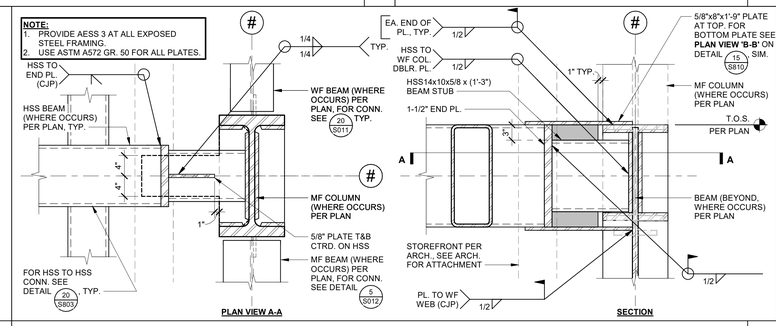
CONN. AT CANOPY/BALCONY — 1 1/2" = 1'-0" — 17



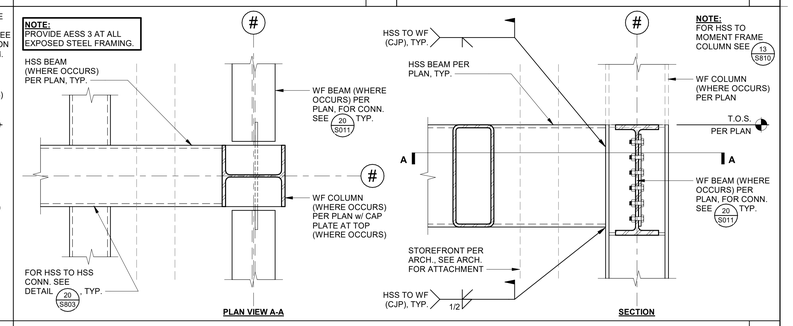
PARAPET WALL SUPPORT POST & FRAMING — 1 1/2" = 1'-0" — 6



CONN. AT CANOPY/BALCONY — 1" = 1'-0" — 2



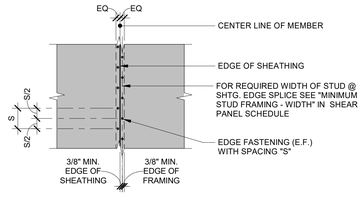
CONN. AT CANOPY/BALCONY — 1" = 1'-0" — 13



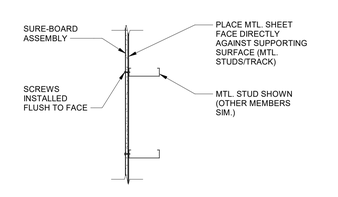
CONN. AT CANOPY/BALCONY — 1" = 1'-0" — 3

TYPE	SURE-BOARD (IAPMO ES-0126)	MINIMUM STUD FRAMING		FASTENING			SILL ANCHOR BOLTS	REMARKS	ALLOWABLE LOAD (ASD)
		WIDTH	MIL.	SIZE	TYPE	SPACING			
1	SERIES 200	1 5/8"	33 MIL.	#8	#2 POINT SELF TAPPING/ SELF DRILLING SCREW	6:6:12	5/8"Ø @ 32" O.C.	BLOCK ALL PANEL EDGES	434 PLF

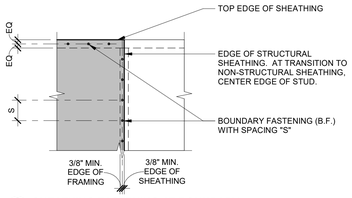
NOTES:
1. PROVIDE FRAMING MEMBERS AT MINIMUM WIDTH INDICATED WHERE FRAMING MEMBERS RECEIVE EDGE FASTENING (E.F.) FROM ABUTTING PANELS.
2. SILL TRACK SHALL HAVE A MINIMUM FLANGE WIDTH OF 1 1/4" WITH MATCHING STUD DEPTH AND 54 MIL MIN.
3. FOR ADDITIONAL PANEL FASTENING INFORMATION, SEE DETAIL (A) THRU (D)
4. THE FASTENING DESIGNATION 6:6:12 INDICATES (6" O.C. EDGE):(6" O.C. BOUNDARY):(12" O.C. FIELD)



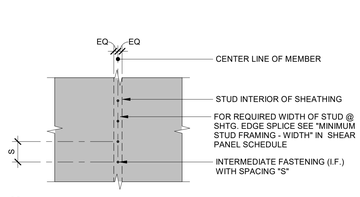
A SHEATHING FASTENING AT EDGE/BLOCKING



D SURE-BOARD INSTALLATION (PLAN VIEW)

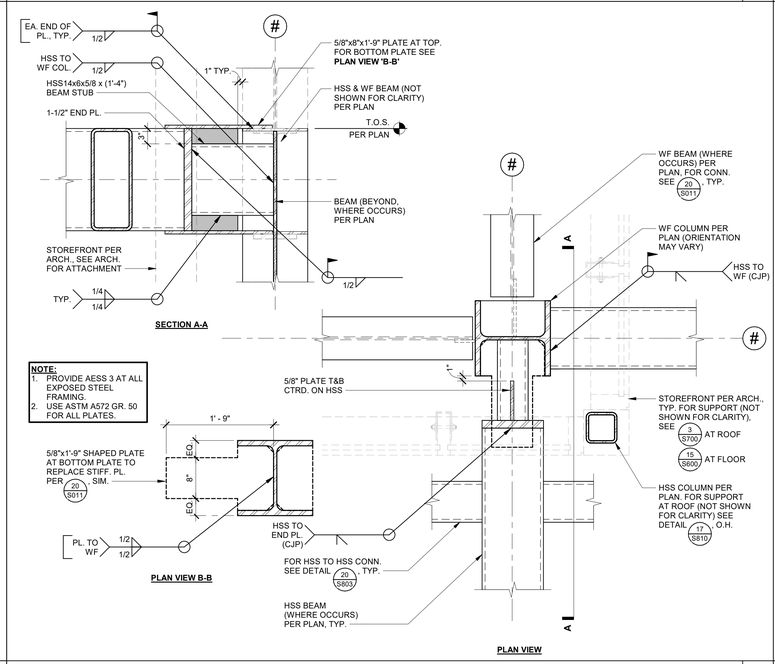


B SHEATHING FASTENING AT BOUNDARY

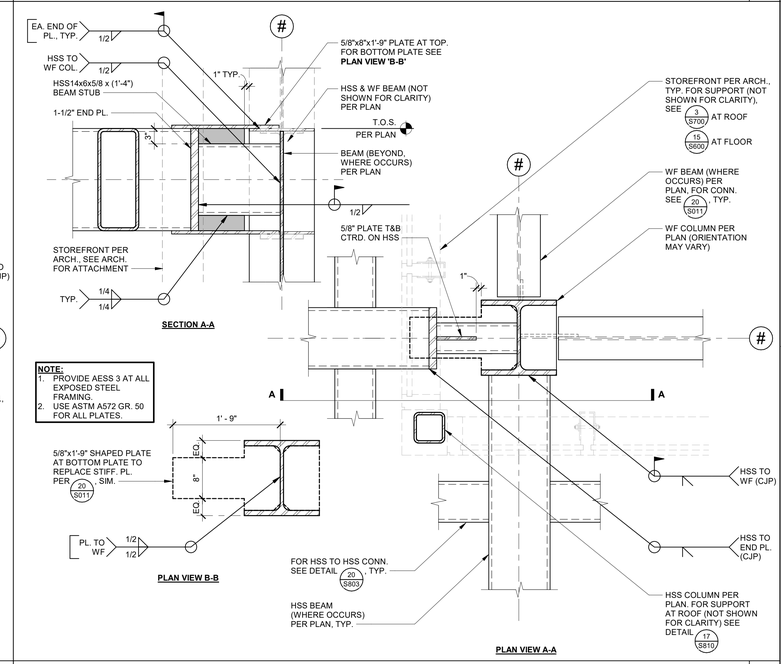


C SHEATHING FASTENING AT FIELD/INTERMEDIATE STUD

SHEATHING SHEAR PANEL SCHEDULE & FASTENING — 1" = 1'-0" — 25



CONN. AT CANOPY/BALCONY — 1" = 1'-0" — 15



CONN. AT CANOPY/BALCONY — 1" = 1'-0" — 5

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REGISTERED PROFESSIONAL ENGINEER — LUIS A. CHAVEZ — No. S7143 — STRUCTURAL — STATE OF CALIFORNIA

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO. 23-12499

DRAWING S810

PLOT DATE: 8/17/2026 11:30:37 AM

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ANCHORAGE & BRACING NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☒ E ☐ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PRE-APPROVAL (OPM #) #_____, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

TITLE 24 ACCEPTANCE TESTING

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEMS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD, OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT:
https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance.

THE ACCEPTANCE TESTING PROCEDUERS MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
	ABOVE	ABV
	ABOVE CEILING	ABV CLG
	ABOVE FINISHED FLOOR	AFF
	ALTERNATE	ALT
&	AND	
	ARCHITECT / ARCHITECTURAL	ARCH
@	AT	
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	CALIFORNIA MECHANICAL CODE	CMC
	CALIFORNIA PLUMBING CODE	CPC
	CEILING	CLG
℄	CENTER LINE	
⟆	CONTINUATION	CONT
	CUBIC FEET PER HOUR	CFH
∅	DIAMETER	DIA
	DOWN	DN
	DRAWING	DWG
	ELBOW	ELL
	ELECTRICAL	ELEC
	EXISTING	(E)
	FEET	FT
	FLOOR	FLR
	FLOW LINE	FL
	GALLON	GAL
	GALLONS PER HOUR	GPH
	GALLONS PER MINUTE	GPM
	GAUGE	GA
	INSIDE DIAMETER	ID
	INVERT ELEVATION	I.E.
	MAXIMUM	MAX
	MINIMUM	MIN
	NEW	(N)
	NOT IN CONTRACT	NIC
	NOT TO SCALE	NTS
#	NUMBER	NO.
	OUTSIDE DIAMETER	OD
	POUNDS	LBS
	POUNDS PER SQUARE INCH	PSI
	POUNDS PER SQUARE INCH ABSOLUTE	PSIA
	POUNDS PER SQUARE INCH GAUGE	PSIG
	POLYVINYL CHLORIDE	PVC
	ROOM	RM
	SPECIFICATION	SPEC
	SQUARE FEET	SQ FT
	STAINLESS STEEL	SS
	TEMPERATURE	TEMP
	THROUGH	THRU
	TYPICAL	(TYP)
	UNDER GROUND	U/G
	WATER COLUMN	WC
	WITH	W/
	WITHOUT	W/O
—A—	COMPRESSED AIR	A
—AV—	ACID VENT	AV
—AW—	ACID WASTE	AW
	ACID VENT RISER	AVR
	ACID VENT THRU ROOF	AVTR
—CD—	CONDENSATE DRAIN	CD
— — —	DOMESTIC COLD WATER	CW
— – – – —	DOMESTIC HOT WATER	HW
— – – – – —	DOMESTIC HOT WATER RETURN	HWR
—G—	LOW PRESSURE NATURAL GAS	G
—MPG—	MEDIUM PRESSURE GAS	MPG
—HPG—	HIGH PRESSURE GAS	HPG
—ICW—	INDUSTRIAL COLD WATER	ICW
—LPG—	LIQUIFIED PETROLEUM GAS	LPG
—F—	FIRE PROTECTION LINE	
—RWL—	RAIN WATER LEADER	RWL
—OD—	OVERFLOW DRAIN	OD
—SD—	STORM DRAIN	SD
———	SOIL or WASTE	S or W
—GW—	GREASE WASTE	GW
—IW—	INDIRECT WASTE	IW
—MA—	MEDICAL AIR	MA
—O_2—	OXYGEN	O_2
—VAC—	VACUUM	VAC
– – – – –	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	CLEANOUT TO GRADE	COTG
	DEMOLITION	DEMO
– – – –	EXISTING PIPING	
	FLOOR CLEANOUT	FCO
	HOSE BIBB	
	PIPING TURN UP	
	PIPING TURN DOWN	
	PIPING CAP	
	POINT OF CONNECTION TO EXISTING	POC
	ANGLE VALVE	

SYMBOL	ITEM	ABBR.
	BALANCE VALVE	
	BALL VALVE	
	CHECK VALVE	
	CONCENTRIC REDUCER	
	TWO-WAY CONTROL VALVE	
	PLUG VALVE	
	PRESSURE REDUCING VALVE	
	SHUT-OFF VALVE IN BOX	SOV
	SHUT-OFF VALVE	SOV
	THERMOSTATIC MIXING VALVE	
	TEMPERATURE / PRESSURE RELIEF VALVE	PRV
	UNION	
	WALL CLEANOUT	WCO
	"Y" TYPE STRAINER	
Ⓟ	PRESSURE GAUGE	
Ⓣ	TEMPERATURE GAUGE	
1	KEYNOTE	
2 / P202	DETAIL REFERENCE EXAMPLE: DETAIL 2, SHEET P202	
3 / P400	SECTION REFERENCE EXAMPLE: SECTION 3, SHEET P400	

GENERAL NOTES

1. COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY.
2. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS.
3. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
4. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE OWNER REPRESENTATIVE.
5. MINIMUM SLOPE FOR SEWER IS 1/4"PER FT, UNLESS OTHERWISE NOTED.
6. ALL ROOF PENETRATIONS SHALL BE COMPATIBLE WITH ROOF SYSTEM WITH AS FEW PENETRATIONS AS POSSIBLE.
7. MINIMUM DOMESTIC WATER PIPE SIZE TO BE 3/4" UNLESS OTHERWISE NOTED. USE A REDUCING ELL AT FIXTURE, IF NECESSARY.
8. ALL PLUMBING FIXTURES, VALVES, FAUCETS, FIXTURE STOPS, ETC. WHICH PROVIDE WATER FOR HUMAN CONSUMPTION MUST MEET THE "LEAD FREE" REQUIREMENT FOR THE STATE OF CALIFORNIA.
9. MAXIMUM ALLOWABLE DISTANCE FOR HOT WATER LATERALS TO FIXTURES OFF OF THE CIRCULATING MAIN SHALL BE 10'-0" FOR HAND WASH SINKS AND LAVS, AND 15'-0" FOR OTHER SINKS.

PLUMBING SHEET INDEX

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P500	PLUMBING ROOF PLAN
P800	PLUMBING DETAILS

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MARK	DATE	DESCRIPTION
	08/14/2026	DSA BACKCHECK SUBMITTAL

PROFESSIONAL ENGINEER — CHRISTOPHER A. CHAMBERLAIN — No. M38 — MECHANICAL — STATE OF CALIFORNIA — 08-20-26

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PLUMBING LEGENDS AND NOTES

PROJECT NO.
22-12499

DRAWING
P001

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PLUMBING SCHEDULE

MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
WC-1	WATER CLOSET ADA	4"	2"	1"	-----	KOHLER K-96057, HIGHCLIFF ULTRA 1.28 GPF, FLOOR MOUNTED, 17-3/4" TOP OF SEAT HEIGHT, ELONGATED BOWL, ZURN Z6000AV-HET AQUA ADVANTAGE WITH TRIPLE FILTERED DIAPHRAGM, 1.28 GPF FLUSH VALVE WITH MANUAL LEVER HANDLE, CHURCH 9500SSCT SOLID PLASTIC OPEN FRONT SEAT WITH STAINLESS STEEL HINGE POSTS, SELF-SUSTAINING HINGES AND STA-TITE FASTENING SYSTEM, FLUSH VALVE HANDLE SHALL POINT TO THE WIDE SIDE OF THE STALL OR ROOM FOR ACCESS COMPLIANCE.
WC-2	WATER CLOSET	4"	2"	1"	-----	KOHLER K-96053-SS, WELLCOMME ULTRA 1.28 GPF, FLOOR MOUNTED 16" TOP OF SEAT HEIGHT, ELONGATED BOWL, ZURN Z6000AV-HET AQUA ADVANTAGE WITH TRIPLE FILTERED DIAPHRAGM, 1.28 GPF FLUSH VALVE WITH MANUAL LEVER HANDLE, CHURCH 9500SSCT SOLID PLASTIC OPEN FRONT SEAT WITH STAINLESS STEEL HINGE POSTES, SELF-SUSTAINING HINGES AND STA-TITE FASTENING SYSTEM, FLUSH VALVE HANDLE SHALL POINT TO THE WIDE SIDE OF THE STALL OR ROOM FOR ACCESS COMPLIANCE.
U-1	URINAL ADA	2"	1-1/2"	3/4"	-----	KOHLER K-4991-ET, "BARDON", 0.125 GPF, WASHOUT STYLE, WALL-HUNG WITH STRAINER, ZURN Z6003AV-ULF MANUAL LEVER FLUSH VALVE, JAY R. SMITH 644 FLOOR MOUNTED SUPPORT CARRIER WITH BOTTOM BEARING PLATE. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHTS.
U-2	URINAL	2"	1-1/2"	3/4"	-----	KOHLER K-4991-ET, "BARDON", 0.125 GPF, WASHOUT STYLE, WALL-HUNG WITH STRAINER, MOUNTED AT REGULAR HEIGHT (+24" AFF TO LIP), ZURN Z6003AV-ULF MANUAL LEVER FLUSH VALVE, JAY R. SMITH 644 FLOOR MOUNTED SUPPORT CARRIER WITH BOTTOM BEARING PLATE.
L-1	LAVATORY ADA	2"	1-1/2"	1/2"	1/2"	KOHLER K-2005-0, KINGSTON WALL HUNG, 20"x18" VITREOUS CHINA WITH BACKSPLASH & WALL BRACKET, SINGLE CENTER FAUCET HOLE, CHICAGO EQ-A11C-61ABCP SENSORED FAUCET, 10 SECOND RUN TIME, 0.35 GPM VANDAL PROOF NON-AERATING SPRAY OUTLET, MCGUIRE 155WC OFFSET GRID DRAIN, AND JAY R. SMITH 700-Z SUPPORT CARRIER WITH CONCEALED ARMS. PROVIDE WILKINS ZW3870XLT POINT OF USE THERMOSTATIC MIXING VALVE BELOW LAV. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHTS.
S-1	SINGLE COMPARTMENT SINK	2"	1-1/2"	1/2"	1/2"	JUST USADA1824A55-J, 21"x15-3/4"x5-3/8" DEEP BOWL SIZE, SINGLE UNDERMOUNT COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL WITH CENTER REAR DRAIN LOCATION, JUST J-35GS BASKET STRAINER, CHICAGO 50-GN8AE35-317XKAB MANUAL FAUCET WITH 8" GOOSENECK SPOUT, 4" WRISTBLADE HANDLES, AND 1.5 GPM AERATOR. PROVIDE WILKINS ZW3870XLT-4P POINT OF USE THERMOSTATIC MIXING VALVE BELOW SINK.
S-2	SINGLE COMPARTMENT SINK	2"	1-1/2"	1/2"	1/2"	JUST USADA1830A55-J, 28"x16"x5-3/8" DEEP BOWL SIZE, SINGLE UNDERMOUNT COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL WITH RIGHT REAR DRAIN LOCATION, JUST J-35GS BASKET STRAINER, CHICAGO 50-GN8AE35-317XKAB MANUAL FAUCET WITH 8" GOOSENECK SPOUT, 4" WRISTBLADE HANDLES, AND 1.5 GPM AERATOR. PROVIDE WILKINS ZW3870XLT-4P POINT OF USE THERMOSTATIC MIXING VALVE BELOW SINK.
SB-1	SUPPLY BOX	-----	-----	1/2"	-----	SPECIALTY PRODUCTS OB-509-LL, LEAD FREE RECESSED METAL ICE MAKER WATER SUPPLY BOX WITH WHITE FINISH, INTEGRAL SHUT-OFF VALVE AND MINI WATER HAMMER ARRESTER.
WMB-1	WASHING MACHINE BOX	2"	1-1/2"	3/4"	3/4"	GUY GRAY #T-200TPPVCHA, RECESSED METAL CLOTHES WASHER SUPPLY BOX WITH WHITE FINISH, INTEGRAL CW AND HW SUPPLY HOSE VALVES WITH INTEGRAL WATER HAMMER ARRESTORS, AND 2" DIAMETER DRAIN OUTLET.
GBD-1	GARBAGE DISPOSER	2"	1-1/2"	3/4"	-----	SALVAJOR MODEL 300-SA-61/2, SINK MOUNTED WITH 6-1/2" SINK COLLAR, MODEL MRSS-LD DISPOSER CONTROL, 208V/3PH, 8.8 AMPS, 3 HP MOTOR, AND LEG SUPPORT.
MS-1	MOP SINK	3"	2"	1/2"	1/2"	KOHLER "WHITBY" MODEL K-6710 CORNER STYLE FLOOR MOUNTED, 28"x28"x12" DEEP ENAMELED CAST IRON WITH #K-8940 RIM GUARD, #K-9146 DRAIN STRAINER, ZURN Z843M4 WALL MOUNT POLISHED CHROME FAUCET WITH HOSE THREAD OUTLET, VACUUM BREAKER, INTEGRAL STOPS, AND WALL BRACE. FLORSTONE #MR-370 HOSE WITH HOOK, AND FLORSTONE #MR-372 MOP HANGER.
US-1	UTILITY SINK	3"	2"	1/2"	1/2"	ELKAY SS8124L2 FLOOR MOUNT 49-1/2"x27-1/2"x14" SINGLE COMPARTMENT SCULLERY SINK WITH DRAINBOARD. ELKAY LK940BP03T4S WALL MOUNT 4"WRISTBLADE HANDLES POLISHED CHROME.
DF-1	DRINKING FOUNTAIN ADA	2"	1-1/2"	1/2"	-----	ELKAY EZH20 VANDAL RESISTANT MODEL LVRCTL8WSK, REFRIGERATED, BOTTLE FILLING STATION WITH BI-LEVEL BARRIER FREE DRINKING FOUNTAINS, INTEGRAL WATER FILTER, VANDAL RESISTANT BUBBLER HEADS, PUSH BUTTON VALVES, 8 GPH OF 50° F. WATER, 115V, 370 WATTS, 6.0 FLA, ELKAY #MLP200 SUPPORT CARRIER. PROVIDE (2) ADDITIONAL ELKAY #51300C WATER FILTERS TO OWNER. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHT.
HB-1	HOSE BIBB	-----	-----	3/4"	-----	WOODFORD #24P 3/4" INLET BRASS WALL HOSE FAUCET WITH LOCKSHIELD, NON-REMOVABLE VACUUM BREAKER, AND OPTIONAL LOOSE TEE KEY HANDLE. PROVIDE POLISHED CHROME FINISH FOR INDOORS, ROUGH CHROME FINISH FOR OUTDOORS.
HB-2	HOSE BIBB	-----	-----	3/4"	-----	WOODFORD #Y24 STANDPIPE STYLE 3/4" INLET BRASS HOSE FAUCET WITH LOCKSHIELD, AND NON-REMOVABLE VACUUM BREAKER.
FD-1	FLOOR DRAIN	2"	1-1/2"	TP	-----	SMITH 2005Y-A05-HP-P050 COATED CAST IRON WITH 5" SQUARE NICKEL BRONZE HEEL PROOF GRATE, DOUBLE DRAINAGE FLANGE, NO HUB OUTLET AND TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	2"	1-1/2"	TP	-----	JAY R. SMITH 3140Y-12-C, 12" X 12" X 6" DEEP COATED CAST IRON WITH NICKEL BRONZE RIM WITH HALF GRATE, DOME BOTTOM STRAINER, DOUBLE DRAINAGE FLANGE, NO HUB OUTLET AND #2695Y-2 TRAP PRIMER CONNECTION FITTING WHERE APPLICABLE.
FS-2	FLOOR SINK	3"	2"	TP	-----	JAY R. SMITH 3200Y-14-C, 16" X 16" X 12" DEEP COATED CAST IRON WITH NICKEL BRONZE RIM WITH 7" SQUARE OPENING IN CENTER, DOME BOTTOM STRAINER, DOUBLE DRAINAGE FLANGE, NO HUB OUTLET AND #2695Y-2 TRAP PRIMER CONNECTION FITTING WHERE APPLICABLE.
FS-3	FLOOR SINK	4"	2"	TP	-----	JAY R. SMITH 3451Y-BS-21, 16" SQUARE TOP ARC FLOOR SINK, NO HUB OUTLET, STAINLESS STEEL MESH LINED SEDIMENT BUCKET, A.R.C. GRATE AND 4" DIA A.R.C. FUNNEL AND #2695Y-2 TRAP PRIMER CONNECTION WHERE APPLICABLE.
FS-4	FLOOR SINK	4"	2"	TP	-----	ADVANCE TABCO FTG-1242, 14 GAUGE, TYPE 304, 12" WIDE x 42" LONG x 4" DEEP STAINLESS STEEL FLOOR TROUGH WITH OPTIONAL 24" LONG #FT-5-ADA COMPLIANT STAINLESS STEEL GRATE WITH 7/16" GAP BETWEEN BARS, REMOVABLE STRAINER BASEKET, AND PROVIDE OPTIONAL FT-1 ANTI-SPLASH GUARDS.
TP-1	TRAP PRIMER	-----	-----	1/2"	-----	PRECISION PLUMBING PRODUCTS PR-500 "PRIME-RITE" PRESSURE DROP ACTIVATED WITH #DU-U DISTRIBUTION UNIT FOR UP TO (2) FLOOR DRAINS. PROVIDE BALL SHUT-OFF VALVE AT INLET AND 14"x16" STAINLESS STEEL ACCESS DOOR WITH CYLINDER LOCK.
TP-2	TRAP PRIMER	-----	-----	1/2"	-----	PRECISION PLUMBING PRODUCTS P1-500 PRESSURE DROP ACTIVATED WITH #DU-4 DISTRIBUTION UNIT FOR UP TO (4) FLOOR DRAINS. PROVIDE BALL SHUT-OFF VALVE AT INLET AND 14"x16" STAINLESS STEEL ACCESS DOOR WITH CYLINDER LOCK.
TP-3	TRAP PRIMER	-----	-----	3/4"	-----	PRECISION PLUMBING PRODUCTS PT-12, ELECTRONICALLY ACTIVATED WITH COPPER MANIFOLD FOR UP TO (12) DRAINS, BALL SHUT-OFF VALVE AT INLET, ELECTRIC SOLENOID VALVE, AND VACUUM BREAKER. PROVIDE D-1416SS-CL STAINLESS STEEL ACCESS DOOR WITH CYLINDER LOCK. 120V/1PH, 6 WATTS.
TP-4	TRAP PRIMER	-----	-----	3/4"	-----	PRECISION PLUMBING PRODUCTS PT-1320, ELECTRONICALLY ACTIVATED WITH COPPER MANIFOLD FOR UP TO (20) DRAINS, BALL SHUT-OFF VALVE AT INLET, ELECTRIC SOLENOID VALVE, AND VACUUM BREAKER. PROVIDE D-1620SS-CL STAINLESS STEEL ACCESS DOOR WITH CYLINDER LOCK. 120V/1PH, 6 WATTS.
SA-1	SHOCK ABSORBER	-----	-----	-----	-----	SIOUX CHIEF HYDRA-RESTER MODEL 654-CS SEAMLESS COPPER CHAMBER APPROVED FOR CONCEALED INSTALLATION. PDI SYMBOL "C". INSTALL IN UPWARD POSITION.
OD-1	OVERFLOW DRAIN	SEE PLAN	-----	-----	-----	JAY R. SMITH 1310Y-WD-C-R-CIDG, GALVANIZED CAST IRON BODY WITH 12" DIAMETER GALVANIZED CAST IRON DOME, MODIFIED WITH 4" HIGH WATER DAM, UNDERDECK CLAMP, AND SUMP RECEIVER. SEE PLAN FOR PIPE OUTLET SIZE. SEE ARCHITECTURAL ROOF PLAN FOR LOCATIONS. SEE ARCHITECTURAL DETAILS FOR NECESSARY EXTENSIONS OR ADDITIONAL INSTALLATION ACCESSORIES.
RD-1	ROOF DRAIN	SEE PLAN	-----	-----	-----	JAY R. SMITH 1310Y-C-R-CIDG, GALVANIZED CAST IRON BODY WITH 12" DIAMETER GALVANIZED CAST IRON DOME, UNDERDECK CLAMP, AND SUMP RECEIVER. SEE PLAN FOR PIPE OUTLET SIZE. SEE ARCHITECTURAL ROOF PLAN FOR LOCATIONS. SEE ARCHITECTURAL DETAILS FOR NECESSARY EXTENSIONS OR ADDITIONAL INSTALLATION ACCESSORIES.
RR-1	ROOF RECEPTOR	2"	1-1/2"	-----	-----	JAY R. SMITH 3960Y-UDC-R-G, GALVANIZED CAST IRON BODY WITH GALVANIZED CAST IRON DOME, UNDERDECK CLAMP, AND SUMP RECEIVER. SEE ARCHITECTURAL DETAILS FOR NECESSARY EXTENSIONS OR ADDITIONAL INSTALLATION ACCESSORIES.
DC-1	DOWNSPOUT COVER	SEE PLAN	-----	-----	-----	ZURN MODEL ZF199 CHAMELEON, POWDER COATED ALUMINUM BODY DOWNSPOUT NOZZLE, WITH FACE OF WALL FLANGE, DOWNSPOUT GASKET, AND PERFORATED HINGED FLAPPER. SEE PLANS FOR PIPE SIZE. ARCHITECT TO SELECT COLOR.
CWD-1	CAN WASH DRAIN	3"	2"	-----	1/2"	JAY R. SMITH 3370-F-C-Y, 12"x12"x10" DEEP COATED IRON, ACID RESISTANT PAINTED INTERIOR, WITH DOUBLE DRAINAGE FLANGE, NICKEL BRONZE RIM AND GRATE, DOME STRAINER, BRONZE ADJUSTABLE SPRAY NOZZLE, SEDIMENT BUCKET, AND 3" NO-HUB OUTLET.
CWB-1	CAN WASH BOX	-----	-----	1/2"	1/2"	JAY R. SMITH 3385 SURFACE MOUNTED STAINLESS STEEL WATER SUPPLY CONTROL BOX WITH KEY CYLINDER LOCK, HINGED COVER, CONTROL VALVES, INTEGRAL VACUUM BREAKER, AND INTEGRAL STOPS.
CP-1	CIRCULATING PUMP	-----	-----	-----	-----	GRUNDFOS UPS15-55SFC STAINLESS STEEL DOMESTIC HOT WATER IN-LINE CIRCULATING PUMP, WITH FLANGED CONNECTIONS, 3-SPEED MOTOR, INTEGRAL CHECK VALVE, 5 GPM AT 13 FT. TDH., 1/12 HP, 120V / 1PH.
TET-1	THERMAL EXPANSION TANK	-----	-----	-----	-----	WILKINS XT-35, LEAD-FREE THERMAL EXPANSION TANK, 9 GALLON TANK, 4.25 GALLONS ACCEPTANCE VOLUME, IN-LINE CONNECTION, 15.5 LBS.
WH-1	GAS STORAGE WATER HEATER	-----	-----	1-1/2"	1-1/2"	A.O. SMITH CYCLONE MXI MODULATING MODEL BTH-500A, DIRECT VENT CONDENSING, ULTRA LOW NOx, ASME RATED, 119 GALLON STORAGE CAPACITY GLASS LINED TANK, 499,900 BTUH INPUT, 576 GPH RECOVERY RATE AT 100 DEGREES F TEMPERATURE RISE, 95% THERMAL EFFICIENCY, BUILT-IN CONTROL DIAGNOSTICS, ELECTRICAL CHARACTERISTICS 120V/1PH, 15.0 AMPS. OPTIONAL POLYPROPYLENE CONCENTRIC VENT KIT #100113124, OPTIONAL #100289340 CONDENSATE NEUTRALIZATION KIT, AND 3/4" P&T RELIEF VALVE. DIMENSIONS: 33-1/8" DIAMETER x 75-3/4" HIGH. OPERATING WEIGHT: 1,860 LBS.
WH-2	ELECTRIC STORAGE WATER HEATER	-----	-----	1-1/4"	1-1/4"	A.O. SMITH DEL-40 DURAPOWER COMMERCIAL ELECTRIC, 40 GALLON STORAGE CAPACITY GLASS LINED TANK, NON-SIMULTANEOUS OPERATION, 6000 WATTS, 208V/1 PHASE, 30 GPH RECOVERY RATE AT 80 DEGREES F TEMPERATURE RISE, AND 3/4" P&T RELIEF VALVE. DIMENSIONS: 23" DIAMETER x 32" HIGH. OPERATING WEIGHT = 452 LBS.
GI-1	GREASE INTERCEPTOR	4"	3"	-----	-----	JENSEN PRECAST MU-1500-EE-G, 1500 GALLON STORAGE CAPACITY, PRE-CAST CONCRETE TANK W/ INTERNAL BAFFLING DESIGNED FOR GREASE INTERCEPTION. PROVIDE (2) 24" DIAMETER GAS-TIGHT TRAFFIC WEIGHT MANHOLE COVERS & FRAMES RATED FOR H-20 WHEEL LOADING FLUSH W/ FINISHED GRADE. PROVIDE MANHOLE RISER EXTENSIONS AS REQUIRED.
GPR-1	GAS PRESSURE REGULATOR	-----	-----	-----	-----	ELSTER AMERICAN SERIES 1813B DIECAST ALUMINUM REGULATOR WITH CAST IRON PIPE SECTION, FULL CAPACITY INTERNAL RELIEF VALVE, 1-1/2" SCREWED INLET AND OUTLET SIZE, 1" ORIFICE SIZE, AND SPRING NO. 71424P019, FOR 4,000 CFH MAXIMUM CAPACITY AT 3 PSIG INLET AND 14" W.C. OUTLET GAS PRESSURE.

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

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PLUMBING SCHEDULES

PROJECT NO.
22-12499

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P002

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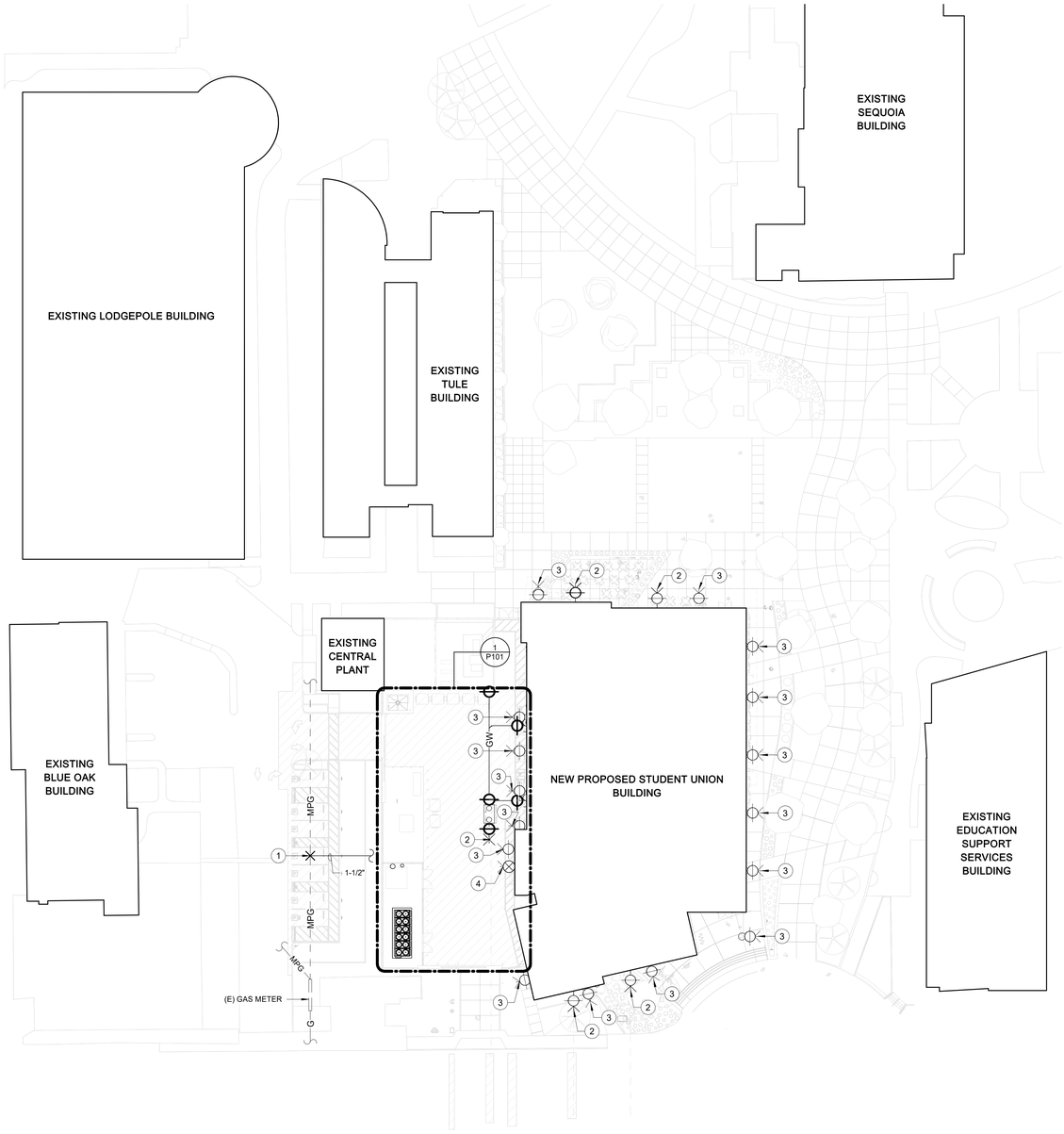

KEYNOTES

1 POC (N) 1-1/4" MPG TO (E) MPG BELOW GRADE.
2 SANITARY SEWER BELOW GRADE AND POC TO SITE SANITARY SEWER. SEE CIVIL FOR CONTINUATION.
3 BUILDING ROOF DRAIN (RWL) BELOW GRADE AND POC TO SITE STORM DRAIN. SEE CIVIL FOR CONTINUATION.
4 DOMESTIC WATER BELOW GRADE AND POC TO SITE DOMESTIC WATER. SEE CIVIL FOR CONTINUATION.

NORTH

PLUMBING SITE PLAN

1" = 30'-0" | 1

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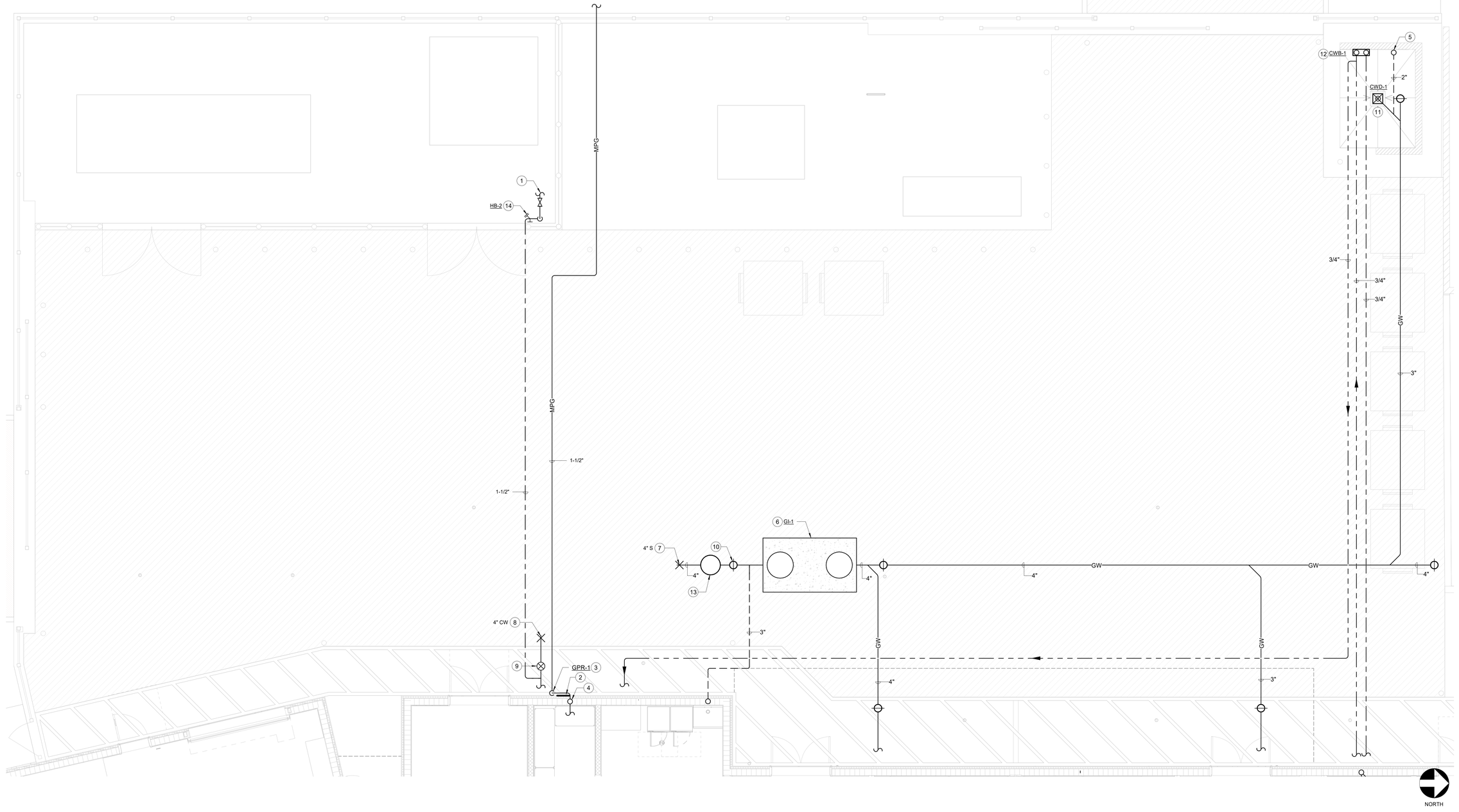
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PLUMBING SITE PLAN

PROJECT NO.
22-12499

DRAWING
P100

PLOT DATE: 8/13/2026 12:23:32 PM



ENLARGED PLUMBING SITE PLAN - SERVICE YARD

1/4" = 1'-0" | 1

GAS PIPE SIZING

CPC 2022 TABLE 1215.2(5) SITE DELIVERY PRESSURE:	3 PSIG
TOTAL DISTANCE FROM (E) METER TO GAS PRESSURE REGUATOR:	200 FT
CPC 2022 TABLE 1215.2(1) BUILDING DELIVERY PRESSURE:	0.5 PSIG
NEW GAS LOAD:	3600 MBH
TOTAL DISTANCE FROM GAS PRESSURE REGULATOR TO REMOTE LOAD:	175 FT

GENERAL NOTES

A. REFER TO DETAIL 1/P800 FOR TYPICAL UTILITY TRENCH.
B. INSTALL UNDERGROUND PIPE TO AVOID IMPACT WITH OTHER UTILITIES.

KEYNOTES

1 PROVIDE PRESSURE-REDUCED BACKFLOW PREVENTER ASSEMBLY WITH ISOLATION VALVES. SEE MECH DWGS. M802 FOR PIPING DIAGRAM.
2 GAS SHUT-OFF VALVE SIGN MOUNTED ON EXTERIOR WALL. SEE 5/P800 FOR DETAIL.
3 GAS PRESSURE REGULATOR. SEE 2/P800 FOR DETAIL.
4 1-1/4" MEDIUM PRESSURE GAS TIGHT ON EXTERIOR WALL TO GAS PRESSURE REGULATOR. CONNECT 4" LOW PRESSURE GAS TO GAS PRESSURE REGULATOR OUTLET AND OFFSET IN WALL AND RISE TO FIRST FLOOR CEILING.
5 2" V TIGHT ON WALL AND RISE UP TO 8'-0" AFF.
6 INSTALL GREASE INTERCEPTOR BEL. GRADE W/ TRAFFIC RATED COVERS FLUSH W/ GRADE. PROVIDE CONCRETE SLAB PER MANUFACTURER'S INSTRUCTIONS. SEE DETAIL 8/P800 FOR INSTALLATION.
7 4" SANITARY SEWER BEL GRADE AND POC TO SITE SANITARY SEWER. SEE CIVIL FOR CONTINUATION.
8 4" DOMESTIC WATER BEL. GRADE AND POC TO SITE DOMESTIC WATER. SEE CIVIL FOR CONTINUATION.
9 4" CW SOV IN BOX. SEE 3/P800 FOR DETAIL.
10 4" TWO-WAY COTG. SEE 4/P800 FOR DETAIL.
11 3" GW DN W/ P-TRAP AND 2" V OFFSET BEL. GRADE FOR CAN WASH DRAIN.
12 3/4" CW & HW UP FROM BEL. GRADE TO CAN WASH BOX W/ SOV'S IN RISERS. MOUNT BOX @ +36 AFF. ROUTE 3/4" HW DN FROM CWB-1 AND BEL. GRADE OVER TO CWD-1.
13 SAMPLING BOX BELOW GRADE AFTER GREASE INTERCEPTOR.
14 3/4" CW UP FROM BEL. GRADE FOR HOSE BIBB.

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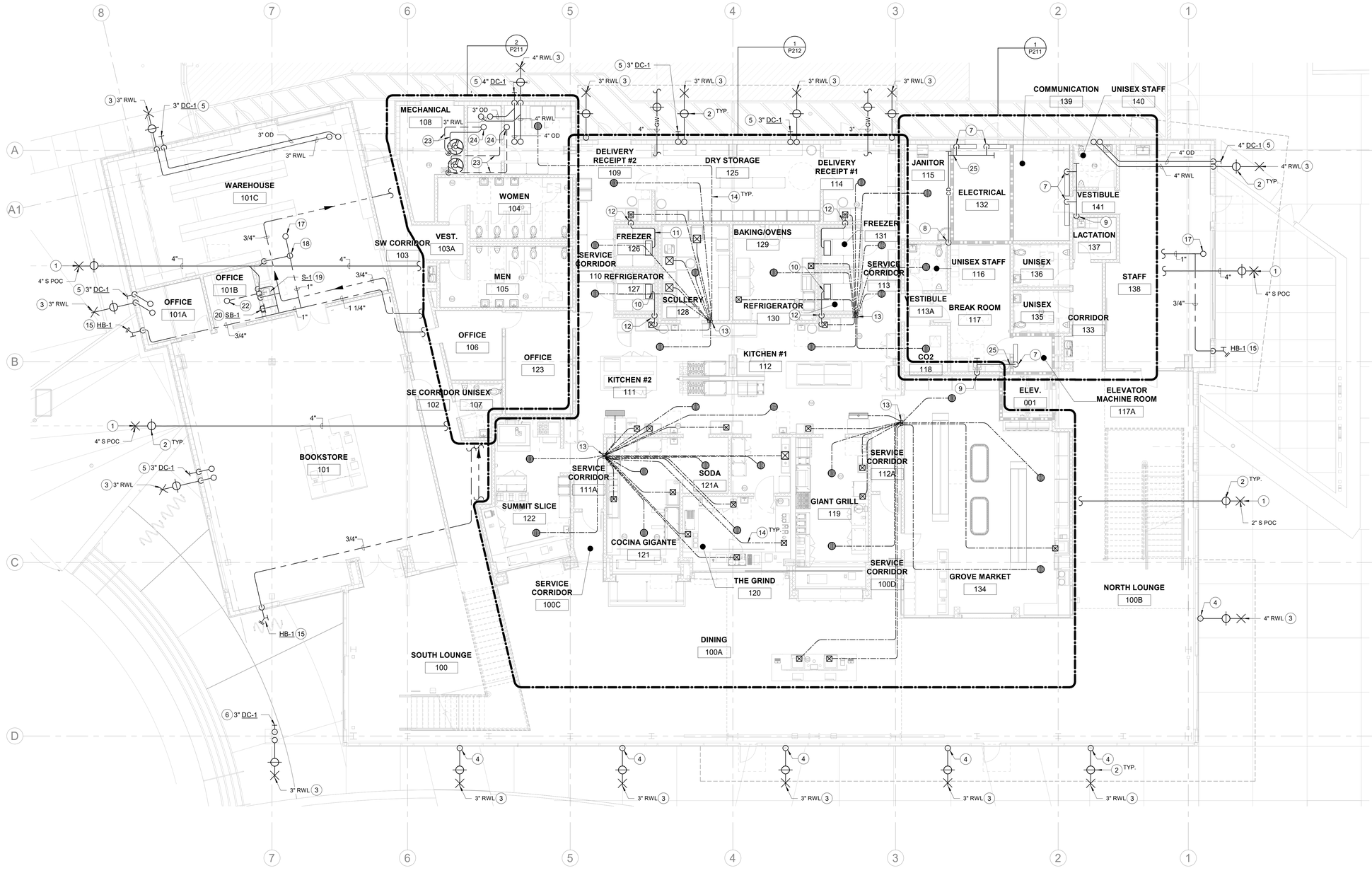
DRAWING TITLE
ENLARGED PLUMBING SITE PLAN - SERVICE YARD

PROJECT NO.
22-12499

DRAWING
P101



PLUMBING FLOOR PLAN - FIRST FLOOR

1/8" = 1'-0" | 1

GENERAL NOTES

A. REFER TO DETAILS 9 & 10/P800 FOR TYPICAL PIPE SUPPORT.
B. ALL SOV ABOVE CEILING SHALL BE ACCESSIBLE AND LOCATE MAXIMUM OF 12". PROVIDE ACCESS PANEL WHERE SOV IS ABOVE HARD LID CEILING.
C. PROVIDE BACKFLOW PREVENTER AND SHUTOFF VALVE UPSTREAM OF FINAL CONNECTION TO ALL KITCHEN EQUIPMENT REQUIRING POTABLE WATER.

KEYNOTES

1 SANITARY SEWER BEL. GR. SEE CIVIL FOR CONTINUATION.
2 TWO-WAY COTG. SEE 4/P800 FOR DETAIL. (TYP)
3 RWL BEL. GR. SEE CIVIL FOR CONTINUATION.
4 RWL DN TIGHT ON EXTERIOR WALL FROM ROOF GUTTER TO BEL. GR.
5 OVERFLOW DRAIN DN IN WALL AND DAYLIGHT THRU WALL W/ DC-1 DOWNSPOUT COVER @ +12" AFF.
6 OVERFLOW DRAIN DN IN STRUCTURAL COLUMN AND DAYLIGHT THRU COLUMN W/ DC-1 DOWNSPOUT COVER @ +12" AFF.
7 CONNECT 3/4" CD TO OUTLET OF IDU CONDENSATE PUMP. ROUTE 3/4" CD ABV CEILING AND CONNECT TO TOP OF GRAVITY CD.
8 3/4" CD DN IN WALL AND TERMINATE W/ 90° ELL DN INTO MOP SINK.
9 3/4" CD DN IN WALL AND CONNECT TO SINK TAILPIECE. SEE 24/P800 FOR DETAIL.
10 CONNECT 3/4" CD TO EVAPORATOR OVERHEAD IN REFRIGERATOR WALK-IN BOX.
11 PROVIDE HEAT TRACE FOR 3/4" CD PIPING WITHIN FREEZER WALK-IN BOX. WRAP PIPING W/ "RAYCHEM" 3BTV1-CR 3W/FT HEATING CABLE WITH JBS-100-ECW-A ELECTRONIC TEMPERATURE CONTROLLER BOX MOUNTED ON WALL OUTSIDE OF WALK-IN BOX.
12 3/4" CD DN IN WALL AND DISCHARGE W/ TRAP PER DETAIL 18/P800 INTO FLOOR SINK W/ 2" AIR GAP.
13 ELECTRONIC TRAP PRIMER IN WALL MOUNTED AT +12" AFF TO BOTTOM OF BOX.
14 1/2" CW LINES BEL. GR. FROM ELECTRONIC TRAP PRIMER TO FLOOR DRAINS & FLOOR SINKS.
15 3/4" CW DN. TO HOSE BIBB AT +18" AFF.
16 OFFSET 1/2" CW RISER TO EXTERIOR SOFFIT. SEE P220 FOR CONTINUATION.
17 3/4" CW RISER UP TO SECOND FLOOR. SEE P220 FOR CONTINUATION.
18 2" S RISER DN FROM SECOND FLOOR. OFFSET BEL. FIRST FLOOR CEILING. SEE P220 FOR CONTINUATION.
19 2" S, 1-1/2" VR, 3/4" CW & 3/4" HW FOR SINK.
20 1/2" CW DN TO ICE MAKER SUPPLY BOX AT +12" AFF.
21 NOT USED.
22 1-1/2" VTR. SEE P220 FOR CONTINUATION.
23 4" WATER HEATER EXHAUST & 4" AIR INTAKE ABV CEILING.
24 CONCENTRIC VENT THRU ROOF. SEE 23/P800 FOR DETAIL. SEE P220 FOR CONTINUATION.
25 SEAL PIPE PENETRATION THRU FIRE RATED WALL.SEE 5/A870 FOR DETAIL.

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DRAWING TITLE
PLUMBING FLOOR PLAN - FIRST FLOOR

PROJECT NO.
22-12499

DRAWING
P210

PLOT DATE: 8/13/2026 12:23:37 PM

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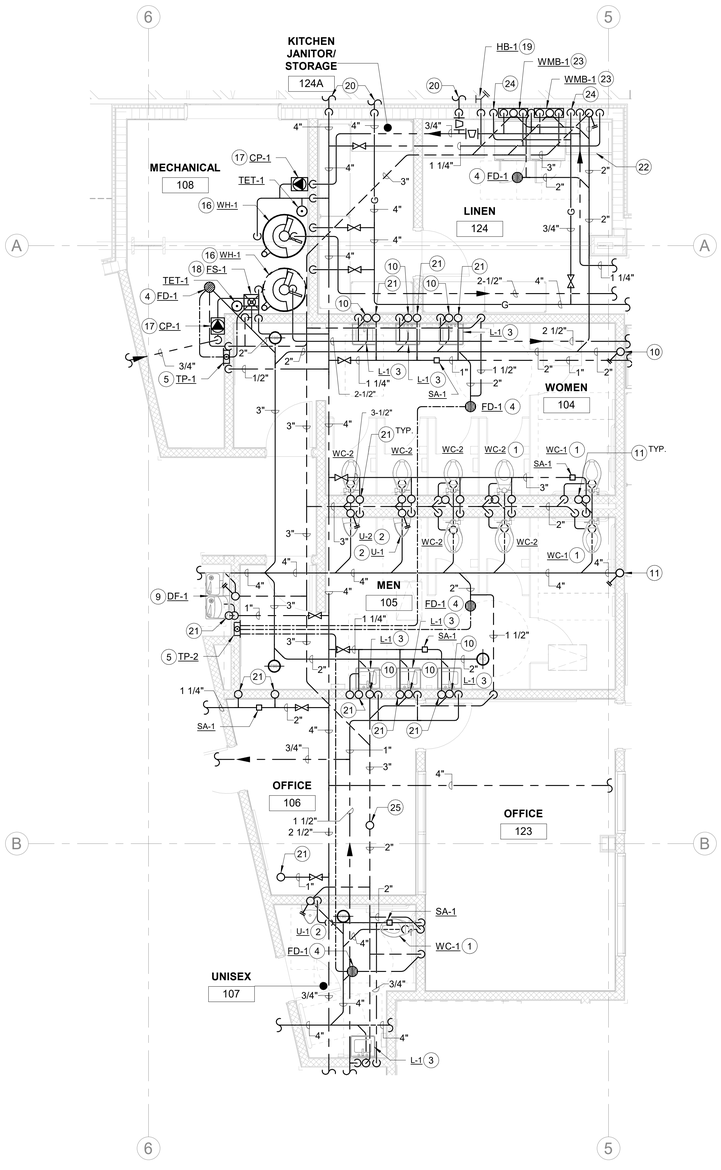
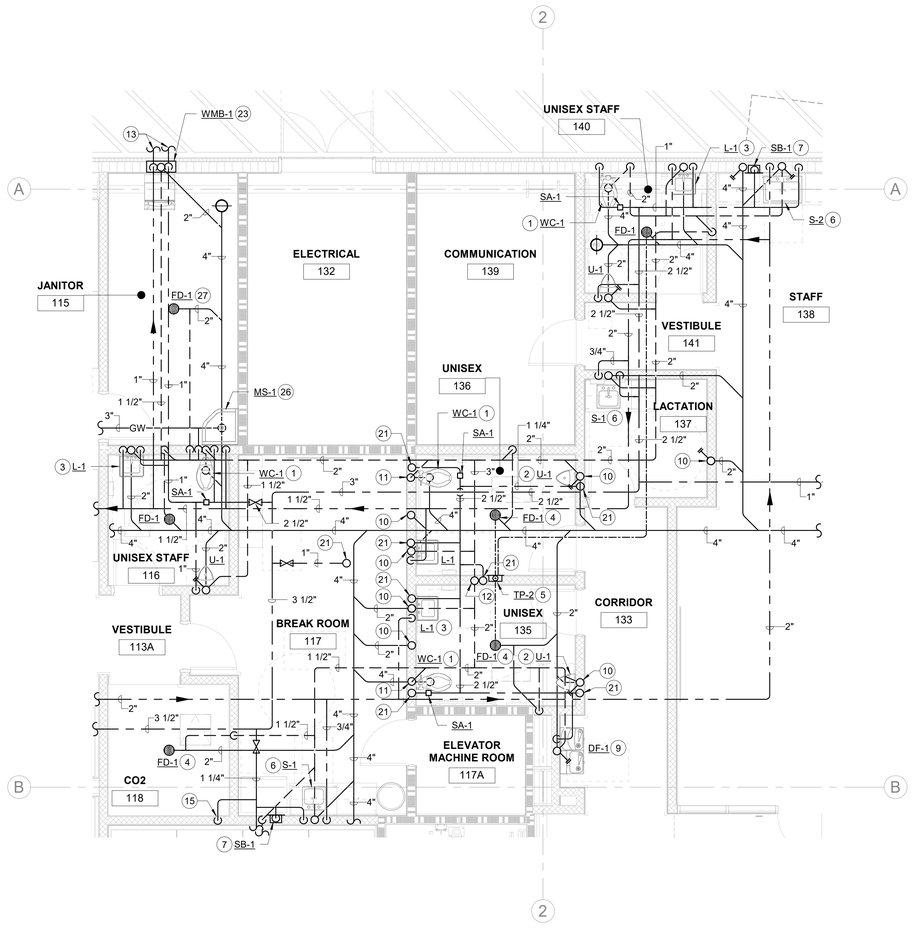


ENLARGED PLUMBING FLOOR PLAN - FIRST FLOOR (SOUTH RESTROOMS) 1/4" = 1'-0" 2



ENLARGED PLUMBING FLOOR PLAN - FIRST FLOOR (NORTH RESTROOMS) 1/4" = 1'-0" 1

KEYNOTES

1 4" S, 2" VR & 1-1/2" CW FOR WATER CLOSET. (TYP)
2 2" S W/ WCO, 1-1/2" VR & 1" CW FOR URINAL. (TYP)
3 2" S, 1-1/2" VR, 1/2" CW & 1/2" HW FOR LAVATORY. (TYP)
4 2" S W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR. & 1/2" CW-TP CONNECTION FOR FLOOR DRAIN. (TYP)
5 1/2" CW DN. TO TRAP PRIMER IN WALL BOX W/ ACCESS PANEL AT +12" AFF. PROVIDE CONNECTION W/ BALL VALVE. (TYP)
6 2" S, 1-1/2" VR, 3/4" CW & 3/4" HW FOR SINK. (TYP)
7 1/2" CW DN TO ICE MAKER SUPPLY BOX AT +12" AFF. (TYP)
8 3" S, 2" VR, 3/4" CW & 3/4" HW FOR MOP SINK.
9 2" S W/ WCO, 1-1/2" VR & 3/4" CW FOR DRINKING FOUNTAIN.
10 2" S RISER DN FROM SECOND FLOOR. OFFSET BEL. FIRST FLOOR CEILING. SEE P220 FOR CONTINUATION.
11 4" S RISER DN FROM SECOND FLOOR. OFFSET BEL. FIRST FLOOR CEILING. SEE 1/P221 FOR CONTINUATION.
12 3" V RISER UP TO SECOND FLOOR CEILING. SEE 1/P221 FOR CONTINUATION.
13 3/4" HW & 3/4" CW DN IN WALL TO BEL. GR. TO CAN WASH. SEE P101 FOR CONTINUATION.
14 NOT USED.
15 3/4" CW DN FOR SODA DISPENSER CARBONATOR. PROVIDE BALL VALVE AND BACKFLOW PREVENTOR.
16 GAS WATER HEATER ON FLOOR. SEE DETAIL 17/P800 FOR PIPING AND SUPPORT.
17 3/4" HWR DN TO IN-LINE CIRCULATING PUMP.
18 2" S W/ P-TRAP, 1-1/2" OFFSET BEL. FLR. & 1/2" CW-TP CONNECTION FOR FLOOR SINK. (TYP)
19 3/4" CW TO HOSE BIBB @ +18" AFF.
20 SEE P101 FOR CONTINUATION.
21 CW RISER UP TO SECOND FLOOR. (TYP)
22 2" S, 1-1/2" VR, 3/4" CW & 3/4" HW FOR UTILITY SINK.
23 2" S W/ STANDPIPE, 1-1/2" VR, 3/4" CW & 3/4" HW FOR RECESSED WASHING MACHINE BOX.
24 3/8" G DN. IN WALL. PROVIDE SHUT OFF VALVE AND CAP FOR FUTURE EQUIPMENT INSTALLATION.
25 3" V RISER UP TO SECOND FLOOR CEILING. SEE 2/P221 FOR CONTINUATION.
26 3" GW, 2" VR, 3/4" CW & 3/4" HW FOR MOP SINK.
27 2" GW W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR. & 1/2" CW-TP CONNECTION FOR FLOOR DRAIN.

GENERAL NOTES

A. REFER TO DETAILS 9 & 10/P800 FOR TYPICAL PIPE SUPPORT.
B. ALL SOV ABOVE CEILING SHALL BE ACCESSIBLE AND LOCATE MAXIMUM OF 12". PROVIDE ACCESS PANEL WHERE SOV IS ABOVE HARD LID CEILING.

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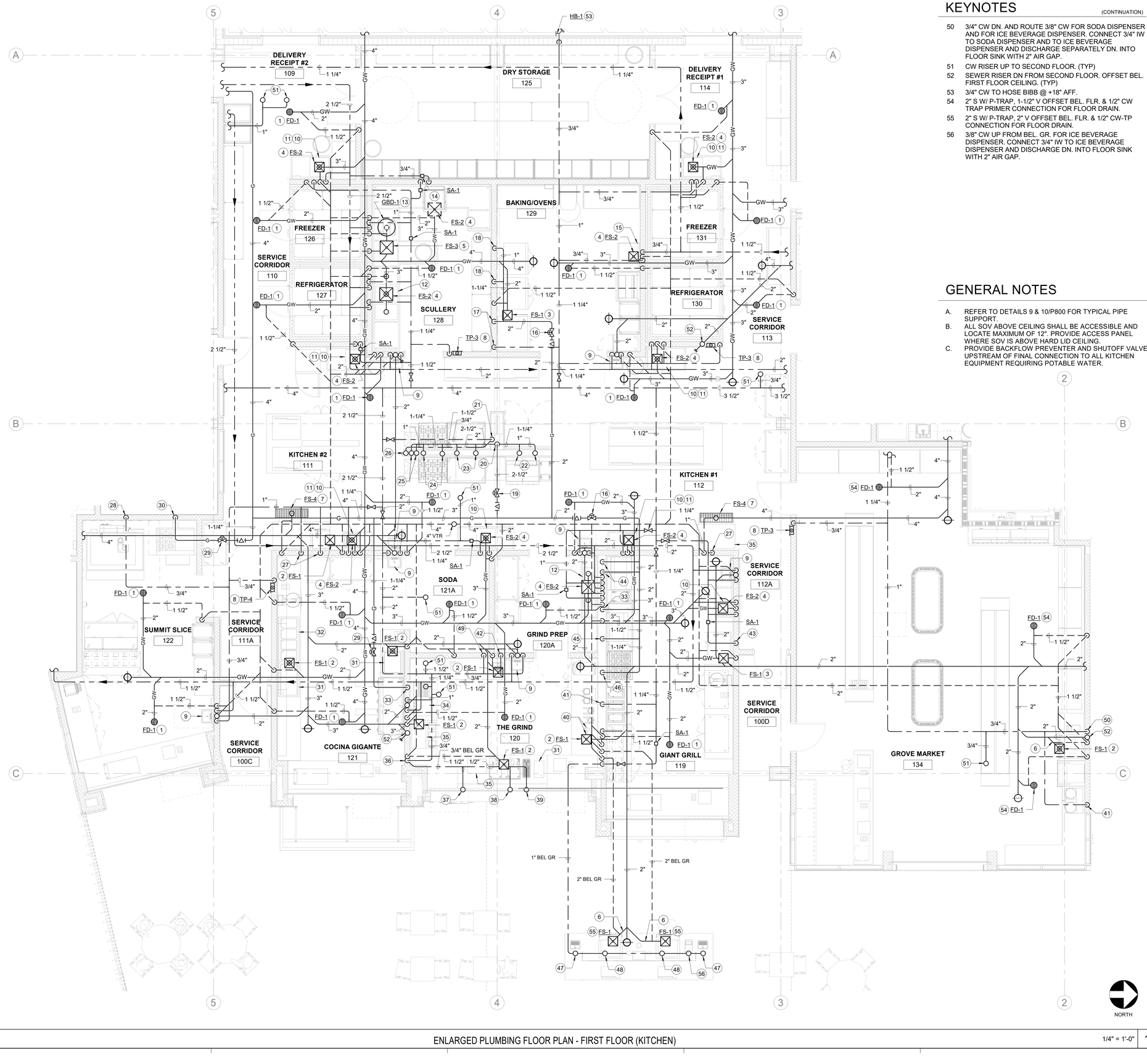
DRAWING TITLE
ENLARGED PLUMBING FLOOR PLANS - FIRST FLOOR (RESTROOMS)

PROJECT NO.
22-12499

DRAWING
P211

PLOT DATE: 8/13/2026 12:23:41 PM



KEYNOTES (CONTINUATION)

50 3/4" CW DN. AND ROUTE 3/8" CW FOR SODA DISPENSER AND FOR ICE BEVERAGE DISPENSER. CONNECT 3/4" IW TO SODA DISPENSER AND TO ICE BEVERAGE DISPENSER AND DISCHARGE SEPARATELY DN. INTO FLOOR SINK WITH 2" AIR GAP.

51 CW RISER UP TO SECOND FLOOR. (TYP)

52 SEWER RISER DN FROM SECOND FLOOR. OFFSET BEL. FIRST FLOOR CEILING. (TYP)

53 3/4" CW TO HOSE BIBB @ +18" AFF.

54 2" S W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR. & 1/2" CW TRAP PRIMER CONNECTION FOR FLOOR DRAIN.

55 2" S W/ P-TRAP, 2" V OFFSET BEL. FLR. & 1/2" CW-TP CONNECTION FOR FLOOR DRAIN.

56 3/8" CW UP FROM BEL. GR. FOR ICE BEVERAGE DISPENSER. CONNECT 3/4" IW TO ICE BEVERAGE DISPENSER AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

GENERAL NOTES

A. REFER TO DETAILS 9 & 10/P800 FOR TYPICAL PIPE SUPPORT.

B. ALL SOV ABOVE CEILING SHALL BE ACCESSIBLE AND LOCATE MAXIMUM OF 12". PROVIDE ACCESS PANEL WHERE SOV IS ABOVE HARD LID CEILING.

C. PROVIDE BACKFLOW PREVENTER AND SHUTOFF VALVE UPSTREAM OF FINAL CONNECTION TO ALL KITCHEN EQUIPMENT REQUIRING POTABLE WATER.

KEYNOTES

1 2" GW W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR. & 1/2" CW TRAP PRIMER CONNECTION FOR FLOOR DRAIN.

2 2" S W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR. & 1/2" CW TRAP PRIMER CONNECTION FOR FLOOR SINK.

3 2" GW W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR. & 1/2" CW TRAP PRIMER CONNECTION FOR FLOOR SINK.

4 3" GW W/ P-TRAP, 2" V OFFSET BEL. FLR. & 1/2" CW TRAP PRIMER CONNECTION FOR FLOOR SINK.

5 4" GW W/ P-TRAP, 2" V OFFSET BEL. FLR. & 1/2" CW TRAP PRIMER CONNECTION FOR FLOOR SINK.

6 PROVIDE PVC PIPING MATERIAL FOR SEWER BRANCH TO FLOOR SINK.

7 4" S W/ P-TRAP, 2" V OFFSET BEL. FLR. & 1/2" CW TRAP PRIMER CONNECTION FOR TRENCH DRAIN.

8 3/4" CW DN. TO TRAP PRIMER IN WALL BOX WITH ACCESS PANEL AT +12" AFF.

9 2" S, 1-1/2" VR, 1/2" CW & 1/2" HW FOR HAND SINK. (TYP)

10 3/4" CW & 3/4" HW FOR 1-COMPARTMENT SINK. CONNECT 2" IW TO 1-COMPARTMENT SINK AND DISCHARGE DN INTO FLOOR SINK WITH 2" AIR GAP.

11 3/4" CW FOR HOSE BIBB UNDERNEATH 1-COMPARTMENT SINK AT +12" AFF.

12 (2) 3/4" CW & (2) 3/4" HW CONNECTIONS FOR 3-COMPARTMENT SINK. CONNECT 2" IW TO EACH SINK DRAIN AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

13 3/4" CW & 3/4" HW DN. TO PRE-RINSE FAUCET, 3" S DN. W/ WCO & 2" VR FOR GARBAGE DISPOSAL. BRANCH 3/4" CW W/ SOV AND SA-1 FOR DISPOSAL WATER CONNECTION.

14 3/4" HW DN. TO BOOSTER HEATER INLET W/ SOV AND SA-1. ROUTE 180°F HW FROM BOOSTER HEATER OUTLET TO DISHWASHER W/ SOV & SA-1. FOR DISHWASHER. CONNECT 2" IW TO DISHWASHER AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP. 3/4" CW DN. TO DISHWASHER WITH SOV AND SA-1 FOR DRAIN TEMPERING.

15 3/4" CW & 3/4" HW FOR UTILITY SINK. CONNECT 2" IW TO UTILITY SINK AND DISCHARGE DN INTO FLOOR SINK WITH 2" AIR GAP.

16 2" AUTOMATIC GAS SHUT-OFF VALVE ABV. CLG FURNISHED BY FIRE SUPPRESSION CONT'R, INSTALLED BY PLUMBING CONT'R. PROVIDE CEILING ACCESS PANEL. LOCATE VALVE MAX. 12" ABV. CLG.

17 1-1/2" CW & 1-1/4" G DN. FOR COMBI OVENS. FOR EACH OVEN, PROVIDE (1) 3/4" CW, (1) 3/4" G W/ DIRT LEG PER DETAIL 20/P800, AND 2" IW CONNECTIONS. DISCHARGE IW DN. INTO FLOOR SINK W/ 2" AIR GAP.

18 1-1/4" G DN. FOR DOUBLE CONVECTION OVEN. PROVIDE (2) SEPARATE 3/4" G CONNECTIONS W/ DIRT LEG. SEE 20/P800 FOR DETAIL .

19 2-1/2" AUTOMATIC GAS SHUT-OFF VALVE ABV. CLG FURNISHED BY FIRE SUPPRESSION CONT'R, INSTALLED BY PLUMBING CONT'R. PROVIDE CEILING ACCESS PANEL. LOCATE VALVE MAX. 12" ABV. CLG.

20 2-1/2" G DN. IN CHASE TO BEL. GR.

21 3/4" CW DN. IN CHASE TO BEL. GR.

22 3/4" G UP IN WALL FROM BEL. GR. FOR FRYER. CONNECT GAS TO FRYER W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

23 3/4" G UP IN WALL FROM BEL. GR. FOR GRIDDLE. CONNECT GAS TO GRIDDLE W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

24 3/4" G UP IN WALL FROM BEL. GR. FOR HOTPLATE. CONNECT GAS TO HOTPLATE W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

25 3/4" G UP IN WALL FROM BEL. GR. FOR STOCKPOT RANGE. CONNECT GAS TO STOCKPOT RANGE W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

26 3/4" CW UP IN WALL FROM BEL. GR. FOR POT FILLER FAUCET.

27 3/8" CW DN. IN WALL FOR ICE MACHINE. CONNECT 1/2" IW & 3/4" IW TO ICE MACHINE AND DISCHARGE SEPARATELY DN. INTO FLOOR SINK W/ 2" AIR GAP.

28 3/4" CW DN. FOR PIZZA OVEN.

29 1-1/4" AUTOMATIC GAS SHUT-OFF VALVE ABV. CLG FURNISBHED BY FIRE SUPPRESSION CONT'R, INSTALLED BY PLUMBING CONT'R. PROVIDE CEILING ACCESS PANEL. LOCATE VALVE MAX. 12" ABV. CLG.

30 1" G DN. FOR RANGE. CONNECT GAS TO RANGE W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

31 CONNECT 1" IW TO COLD WELL AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

32 CONNECT 3/4" IW TO HOT WELL AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

33 3/4" G DN. FOR GRIDDLE. CONNECT GAS TO GRIDDLE W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

34 2" S, 1-1/2" VR, 1/2" CW & 1/2" HW FOR DROP-IN SINK.

35 CONNECT 1" IW TO ICE BIN AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

36 3/4" CW DN. IN WALL TO BEL. GR.

37 3/8" CW UP IN WALL FROM BEL. GR. FOR MIX FONT. CONNECT 3/4" IW TO MIX FONT AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

38 3/8" CW UP IN WALL FROM BEL. GR. FOR ESPRESSO MACHINE. CONNECT 3/4" IW TO MIX FONT AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

39 3/8" CW UP IN WALL FROM BEL. GR. FOR PITCHER RINSER. CONNECT 1" IW TO PITCHER RINSER AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

40 3/8" CW DN. FOR BREWER W/ BROILER. CONNECT 1" IW TO BREWER W/ BROILER AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

41 3/8" CW DN. FOR BREWER.

42 1/2" CW DN. FOR GLASS FILLER. CONNECT 1-1/2" IW TO GLASS FILLER AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

43 3/4" CW DN. FOR ELECTRIC COMBI OVEN. CONNECT 2" IW AND DISCHARGE DN. INTO FLOOR SINK W/ 2" AIR GAP.

44 3/4" G DN. FOR FRYER. CONNECT GAS TO FRYER W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

45 3/4" G DN. FOR BROILER. CONNECT GAS TO BROILER W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

46 3/4" G DN. FOR HOTPLATE. CONNECT GAS TO HOTPLATE W/ DIRT LEG. SEE 20/P800 FOR DETAIL.

47 1/2" CW UP FROM BEL. GR. FOR GLASS FILLER. CONNECT 1-1/2" IW TO GLASS FILLER AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

48 3/8" CW UP FROM BEL. GR. FOR SODA DISPENSER. CONNECT 3/4" IW TO SODA DISPENSER AND DISCHARGE DN. INTO FLOOR SINK WITH 2" AIR GAP.

49 3/4" CW DN. FOR SODA DISPENSER CARBONATOR. PROVIDE BALL VALVE AND BACKFLOW PREVENTER.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE: ENLARGED PLUMBING FLOOR PLAN - FIRST FLOOR (KITCHEN)

PROJECT NO. 22-12499

DRAWING P212

ENLARGED PLUMBING FLOOR PLAN - FIRST FLOOR (KITCHEN) | 1/4" = 1'-0" | 1

PLOT DATE: 8/13/2026 12:23:46 PM

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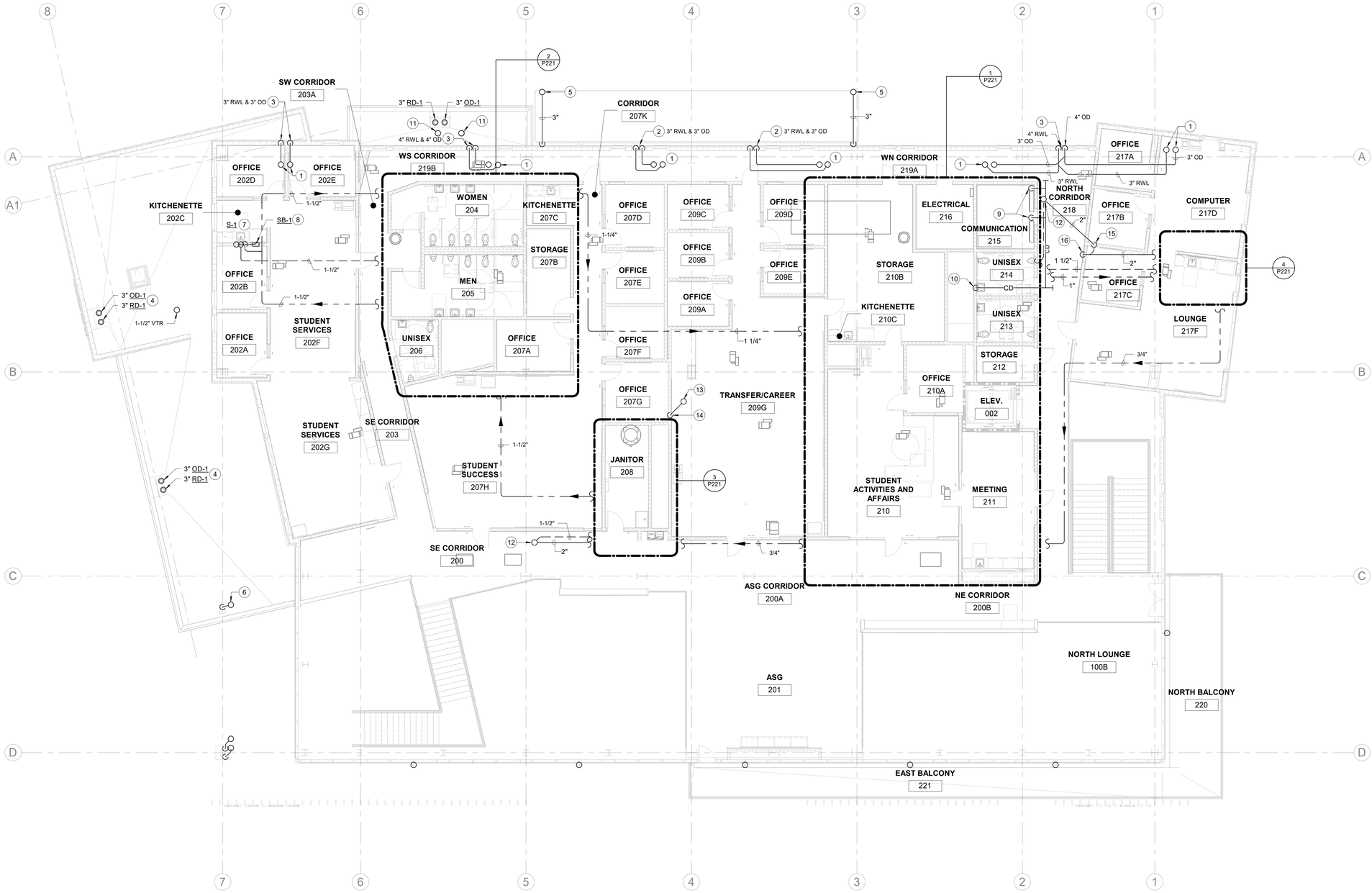

PLUMBING FLOOR PLAN - SECOND FLOOR

1/8" = 1'-0" | 1

GENERAL NOTES

A. REFER TO DETAILS 9 & 10/P800 FOR TYPICAL PIPE SUPPORT.
B. ALL SOV ABOVE CEILING SHALL BE ACCESSIBLE AND LOCATE MAXIMUM OF 12". PROVIDE ACCESS PANEL WHERE SOV IS ABOVE HARD LID CEILING.
C. PROVIDE BACKFLOW PREVENTER AND SHUTOFF VALVE UPSTREAM OF FINAL CONNECTION TO ALL KITCHEN EQUIPMENT REQUIRING POTABLE WATER.

KEYNOTES

1 RWL & OD PIPING DN. FROM ROOF DRAIN AND OVERFLOW DRAIN ON ROOF. SEE P500 FOR CONTINUATION.
2 RWL & OD PIPING DN IN WALL TO FIRST FLOOR. SEE P210 FOR CONTINUATION.
3 RWL & OD PIPING DN IN WALL TO FIRST FLOOR CEILING. SEE P210 FOR CONTINUATION.
4 ROOF DRAIN AND OVERFLOW DRAIN. SEE ARCHITECTURAL FOR INSTALLATION DETAIL. SEE P210 FOR CONTINUATION.
5 CONNECT 3" SCHD. 40 GALVANIZED RWL TO GUTTER DRAIN AND OFFSET OVER TO WALL OR COLUMN. SEE P210 FOR CONTINUATION.
6 RWL PIPING FROM ROOF DRAIN TIGHT ON EXTERIOR STRUCTURAL COLUMN AND TERMINATE AT 6" ABV. LOWER FINISHED ROOF. SEE P500 FOR CONTINUATION.
7 2" S & 3/4" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR SINK. 1-1/2" VR & 3/4" HW DN IN WALL TO SINK.
8 1/2" CW UP FROM FIRST FLOOR CEILING TO ICE MAKER SUPPLY BOX AT +12" AFF.
9 CONNECT 3/4" CD TO OUTLET OF IDU CONDENSATE PUMP. ROUTE 3/4" CD ABV CEILING AND CONNECT TO TOP OF GRAVITY CD.
10 3/4" CD DN IN WALL AND CONNECT TO SINK TAILPIECE. SEE 24/P800 FOR DETAIL.
11 4" WATER HEATER CONCENTRIC VENT THRU ROOF. SEE 23/P800 FOR DETAIL.
12 2" S W/ P-TRAP & 1-1/2" V FOR ROOF RECEPTOR.
13 3/4" CW UP TO HOSE BIBB ON ROOF. SEE P500 FOR CONTINUATION.
14 3/4" CW DN. IN WALL TO FIRST FLOOR CEILING. SEE 1/P212 FOR CONTINUATION.
15 2" S DN. IN WALL TO FIRST FLOOR CEILING.
16 2" S DN. FROM FIRST FLOOR CEILING TO FIRST FLOOR BEL. GR. SEE 1/P211 FOR CONTINUATION.

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PLUMBING FLOOR PLAN - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
P220

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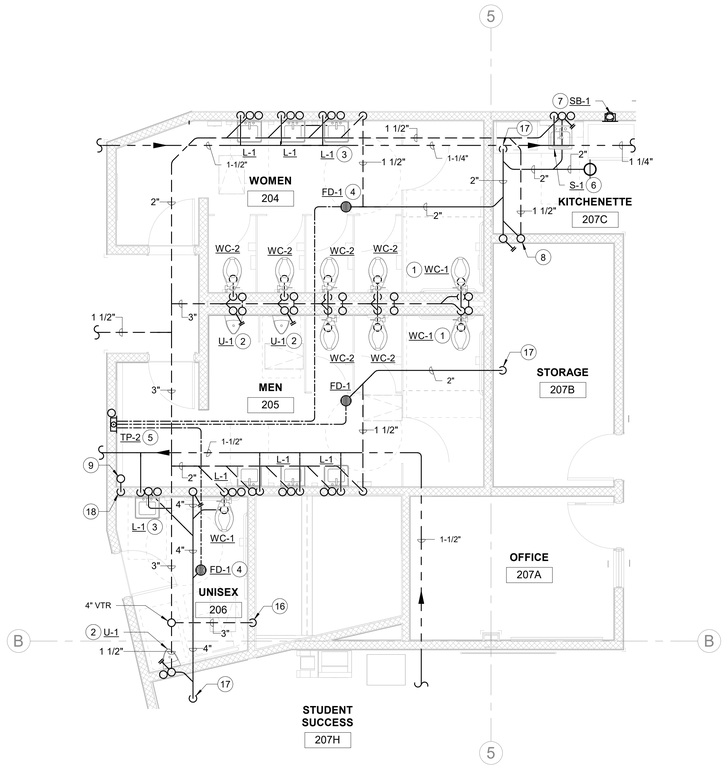
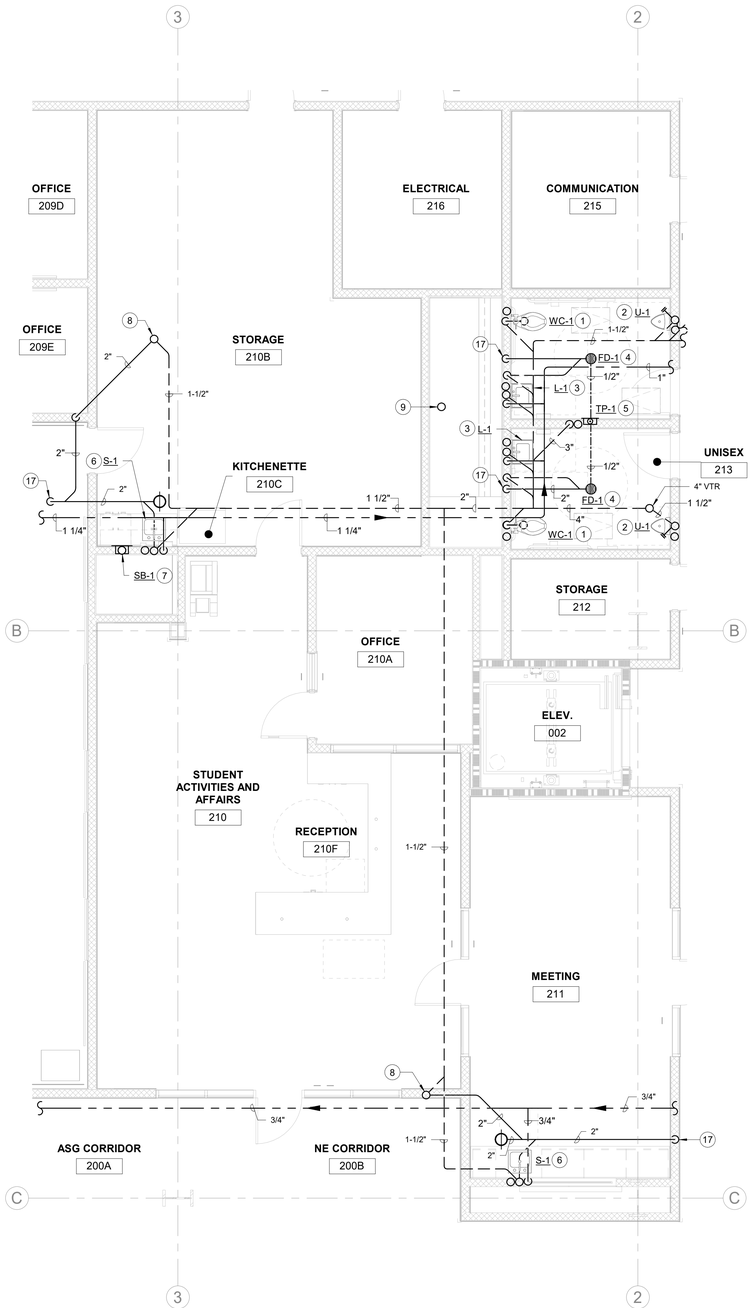
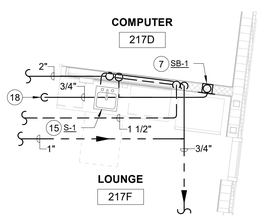


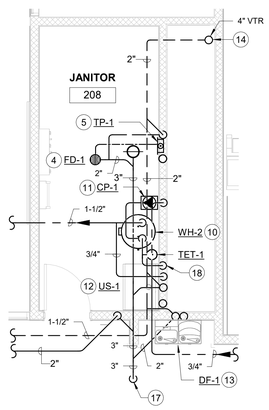
ENLARGED PLUMBING FLOOR PLAN - SECOND FLOOR (SOUTH RESTROOMS) 1/4" = 1'-0" 2



ENLARGED PLUMBING FLOOR PLAN - SECOND FLOOR (NORTH RESTROOMS) 1/4" = 1'-0" 1



ENLARGED PLUMBING FLOOR PLAN - SECOND FLOOR (LOUNGE) 1/4" = 1'-0" 4



ENLARGED PLUMBING FLOOR PLAN - SECOND FLOOR (JANITOR) 1/4" = 1'-0" 3

KEYNOTES

1. 4" S & 1-1/2" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR WATER CLOSET. 2" VR DN IN WALL FOR WATER CLOSET. (TYP)
2. 2" S & 1" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR URINAL. 1-1/2" VR DN IN WALL FOR URINAL. (TYP)
3. 2" S & 1/2" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR LAVATORY. 1-1/2" VR & 1/2" HW DN IN WALL FOR LAVATORY. (TYP)
4. 2" S W/ P-TRAP, 1-1/2" V, & 1/2" CW-TP CONNECTION FOR SECOND FLOOR FLOOR DRAIN. (TYP)
5. 3/4" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR TRAP PRIMER IN WALL BOX W/ ACCESS PANEL AT +12" AFF. PROVIDE CONNECTION W/ BALL VALVE.
6. 2" S & 3/4" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR UNDERMOUNT SINK. 1-1/2" VR & 3/4" HW DN IN WALL FOR SINK.
7. 1/2" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR ICE MAKER SUPPLY BOX AT +12" AFF.
8. 2" S W/ P-TRAP & 1-1/2" V FOR ROOF RECEPTOR.
9. 3/4" CW UP TO HOSE BIBB ON ROOF. SEE P500 FOR CONTINUATION.
10. ELECTRIC WATER HEATER MOUNTED ON WALL. SEE DETAIL 14/P800 FOR SUPPORT. SEE DETAIL 15/P800 FOR PIPING.
11. 3/4" HWR DN TO IN-LINE CIRCULATING PUMP.
12. 3" S & 3/4" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR UTILITY SINK. 2" VR & 3/4" HW DN IN WALL FOR UTILITY SINK.
13. 2" S & 3/4" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR DRINKING FOUNTAIN. 1-1/2" VR DN IN WALL FOR DRINKING FOUNTAIN.
14. 4" V DN IN CHASE AND OFFSET ABV. FIRST FLOOR CEILING. SEE 1/P212 FOR CONTINUATION.
15. 2" S & 3/4" CW UP FROM FIRST FLOOR CEILING FOR SECOND FLOOR UNDERMOUNT SINK. 1-1/2" VR & 3/4" HW DN AND ROUTE W/IN WALL TO SINK.
16. 3" V DN IN WALL TO FIRST FLOOR CEILING.
17. SEWER DN. FROM FIRST FLOOR CEILING TO FIRST FLOOR BEL. GR. (TYP)
18. CW DN FROM FIRST FLOOR CEILING. (TYP)

GENERAL NOTES

A. REFER TO DETAILS 9 & 10/P800 FOR TYPICAL PIPE SUPPORT.
B. ALL SOV ABOVE CEILING SHALL BE ACCESSIBLE AND LOCATE MAXIMUM OF 12". PROVIDE ACCESS PANEL WHERE SOV IS ABOVE HARD LID CEILING.
C. PROVIDE BACKFLOW PREVENTER AND SHUTOFF VALVE UPSTREAM OF FINAL CONNECTION TO ALL KITCHEN EQUIPMENT REQUIRING POTABLE WATER.

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED PLUMBING FLOOR PLANS - SECOND FLOOR

PROJECT NO.
22-12499

DRAWING
P221

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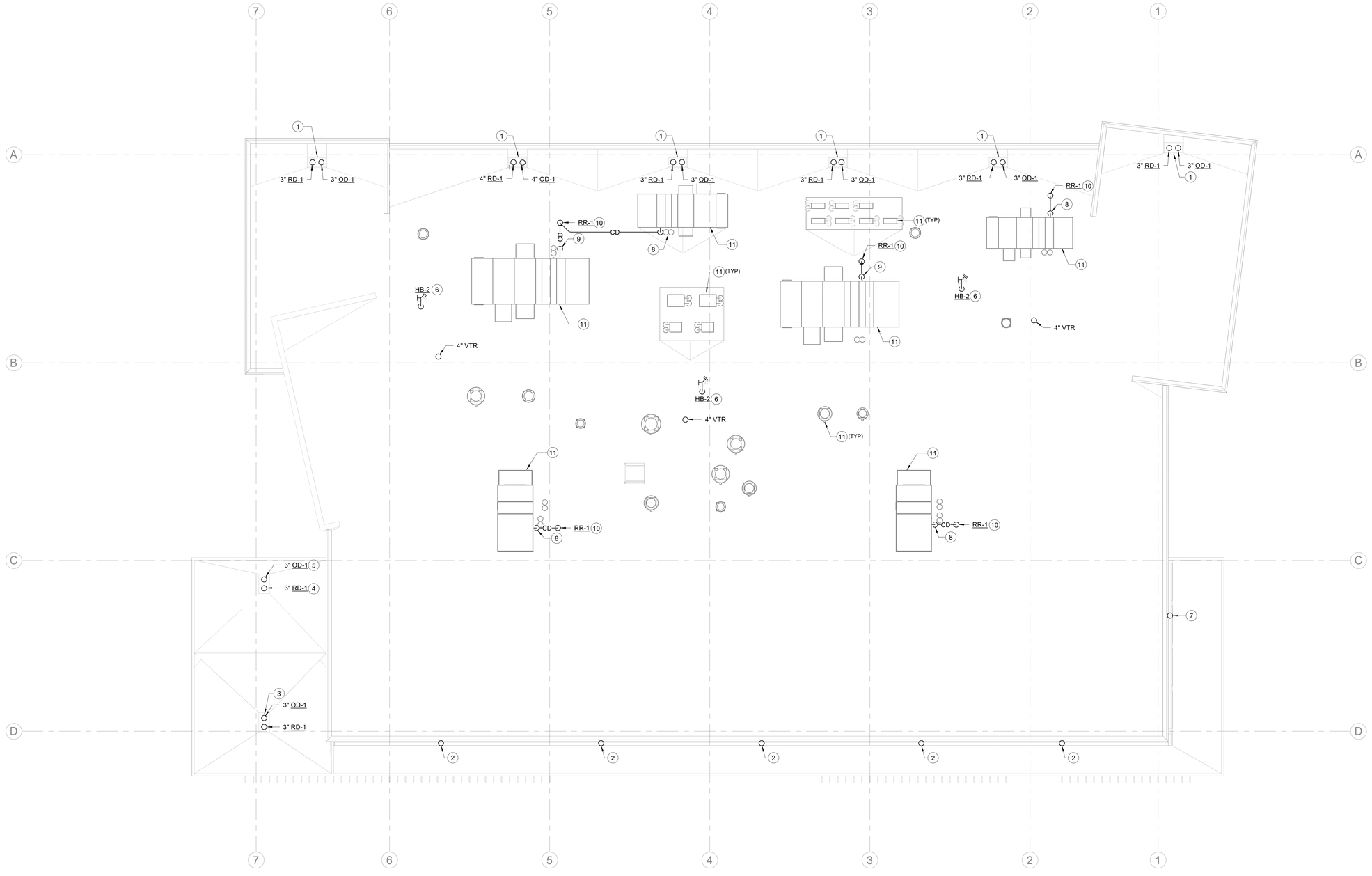

PLUMBING ROOF PLAN

1/8" = 1'-0" | 1

KEYNOTES

1 ROOF DRAIN AND OVERFLOW DRAIN. SEE ARCHITECTURAL FOR INSTALLATION DETAIL. SEE P220 FOR PIPING BELOW ROOF.
2 CONNECT 3" SCHD. 40 GALVANIZED RWL TO GUTTER DRAIN. SEE P210 FOR CONTINUATION.
3 OFFSET ROOF DRAIN AND OVERFLOW DRAIN BEL. AND DROP DN IN STRUCTURAL COLUMN. SEE P210 FOR CONTINUATION.
4 OFFSET ROOF DRAIN BEL. AND DROP DN TIGHT ON EXTERIOR STRUCTURAL COLUMN AND TERMINATE AT 6" ABV. LOWER FINISHED ROOF. SEE P220 FOR CONTINUATION.
5 DAYLIGHT OVERFLOW DRAIN.
6 3/4" CW UP THRU ROOF FOR HOSE BIBB.
7 CONNECT 4" SCHD. 40 GALVANIZED RWL TO GUTTER DRAIN. SEE P210 FOR CONTINUATION.
8 CONNECT 1" CD TO HVAC UNIT. SEE 19/P800 FOR DETAIL. ROUTE CD PIPING TO ROOF RECEPTOR. SEE DETAIL 25/P800 FOR PIPE SUPPORT ON ROOF.
9 CONNECT 1-1/4" CD TO HVAC UNIT. SEE DETAIL 19/P800 FOR DETAIL. ROUTE CD PIPING TO ROOF RECEPTOR.
10 ROOF RECEPTOR. SEE P220 FOR PIPING CONNECTION.
11 HVAC UNIT, SEE MECHANICAL.

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DRAWING TITLE
PLUMBING ROOF PLAN

PROJECT NO.
22-12499

DRAWING
P500

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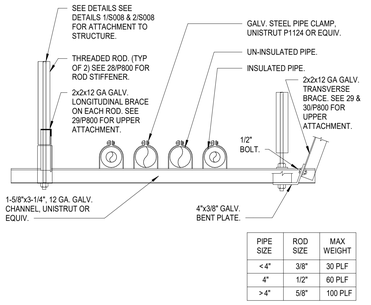
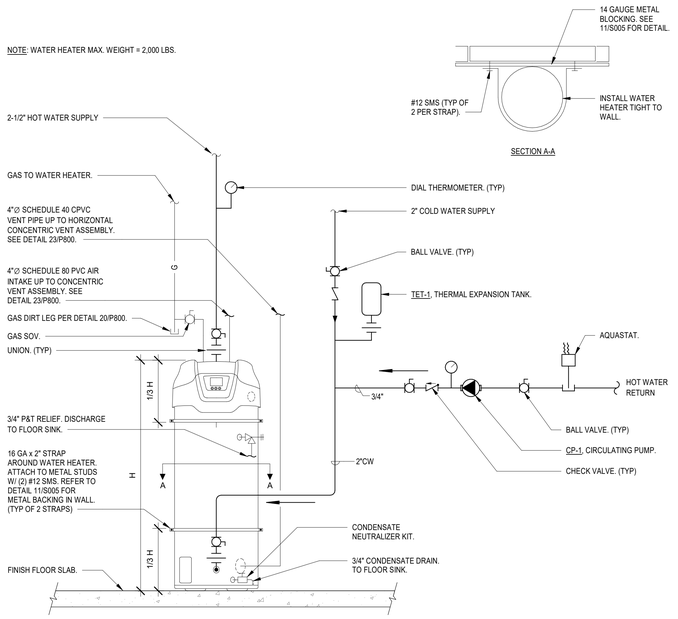


PIPE SIZE	ROD SIZE	MAX WEIGHT
<4"	3/8"	30 PLF
4"	1/2"	60 PLF
>4"	5/8"	100 PLF

NOTES:
1. SEE PLANS FOR PIPE SIZES.
2. SEE SPECIFICATIONS FOR REQUIRED SUPPORT SPACING.
3. SEISMIC BRACING NOT REQUIRED FOR PIPING SUPPORTED BY HANGERS 12" OR LESS IN LENGTH MEASURED FROM THE BOTTOM OF PIPE TO SUPPORTING STRUCTURE.
4. SEISMIC BRACING NOT REQUIRED FOR THE FOLLOWING:
   ≤ 2" VENT, GAS, OR EMPTY SCH 40 STEEL PIPE
   ≤ 1-1/2" SCH 40 STEEL PIPE
   ≤ 3" VENT, GAS, OR EMPTY COPPER PIPE
   ≤ 2" COPPER PIPE
   ≤ 3" CAST IRON VENT
   ≤ 2" CAST IRON SEWER OR RWL
   ALL PIPE ≤ 1"
5. PROVIDE TRANSVERSE BRACES AT EACH END OF EACH STRAIGHT RUN OF PIPE AND AT MAX 27'-0" O.C. FOR STEEL & COPPER PIPE AND MAX 10'-0" FOR CAST IRON PIPE.
6. PROVIDE MIN ONE LONGITUDINAL BRACE PER STRAIGHT RUN OF PIPE AT EACH TRAPEZE. MAX SPACING FOR CAST IRON PIPE IS 19'-0" O.C.

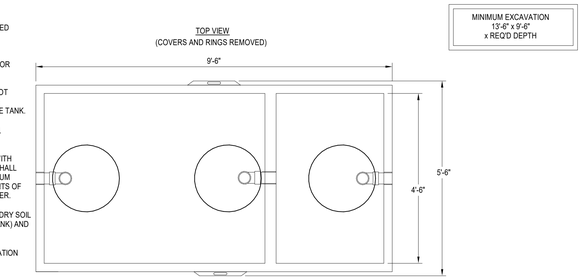
PIPE TRAPEZE SUPPORT N.T.S. 27

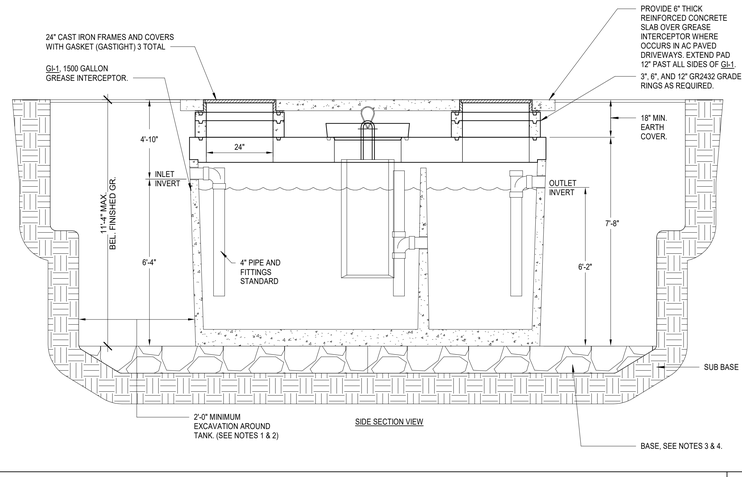
NOTE: WATER HEATER MAX. WEIGHT = 2,000 LBS.



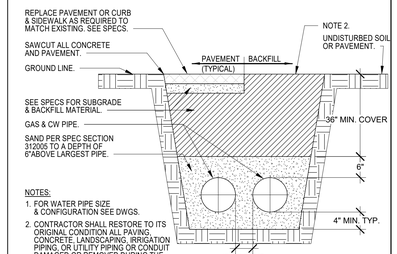
GAS WATER HEATER N.T.S. 17

NOTES:
1. AREA MUST BE PREPARED AND CLEARED TO 2 FEET MINIMUM SURROUNDING ENTIRE TANK.
2. THE EXCAVATION'S SLOPE, BENCHING OR SHORING SHALL COMPLY WITH REQUIREMENTS OF OSHA 29 CRF 1926 SUBPART P. JENSEN PRECAST WILL NOT VIOLATE THIS OSHA STANDARD IN THE COURSE OF SETTING AND SEALING THE TANK.
3. BASE MUST BE LEVEL AND EVEN IN ALL DIRECTIONS.
4. THE EXCAVATION SHALL BE BEDDED WITH SUITABLE GRANULAR MATERIAL AND SHALL BE COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY OR TO THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER.
5. DESIGN LOAD: HS20-44 TRAFFIC WITH DRY SOIL CONDITIONS (WATER LEVEL BELOW TANK) AND 1'-6" EARTH COVER.
6. REFER TO MANUFACTURER'S INSTALLATION PROCEDURES FOR ADDITIONAL REQUIREMENTS.
7. TOP OF VAULT SHALL BE MARKED STATING THE MINIMUM LOAD RATING AASHTO HS20-44.



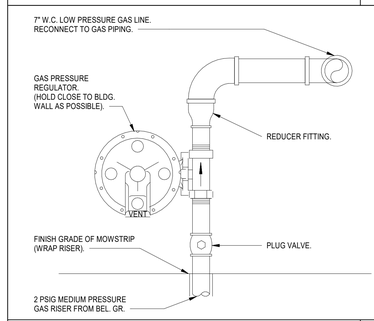


GREASE INTERCEPTOR N.T.S. 8

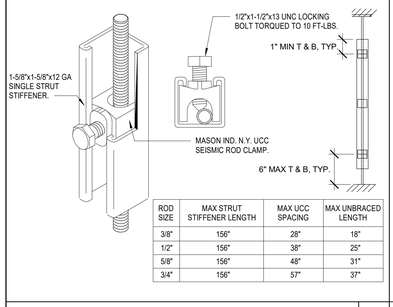


NOTES:
1. FOR WATER PIPE SIZE & CONFIGURATION SEE DWGS.
2. CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL PAVING, CONCRETE, LANDSCAPING, IRRIGATION PIPING, OR UTILITY PIPING OR CONDUIT DAMAGED OR REMOVED DURING THE INSTALLATION OF THE UNDERGROUND BURIED PIPE.
3. PIPES NEAR OR THROUGH FOOTING REFERENCE STRUCTURAL DETAIL 20/S002.

UTILITY TRENCH DETAIL N.T.S. 1

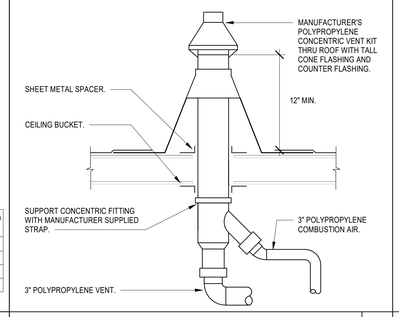


GAS PRESSURE REGULATOR N.T.S. 2

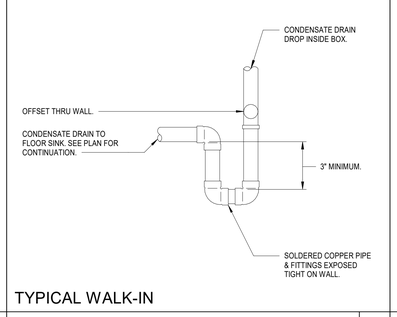


ROD SIZE	MAX STRUT STIFFENER LENGTH	MAX UCC SPACING	MAX UNBRACED LENGTH
3/8"	156"	28"	18"
1/2"	156"	38"	25"
5/8"	156"	48"	31"
3/4"	156"	57"	37"

THREADED ROD STIFFENER N.T.S. 28



CONCENTRIC VENT DETAIL N.T.S. 23



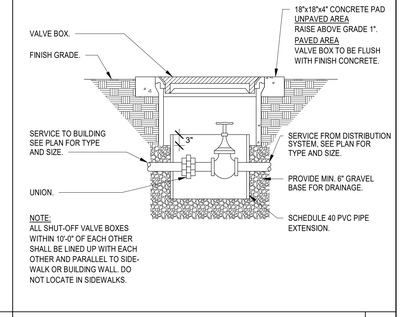
TYPICAL WALK-IN

BOX COND. DRAIN TRAP N.T.S. 18

ELECTRIC WATER HEATER PIPING N.T.S. 15

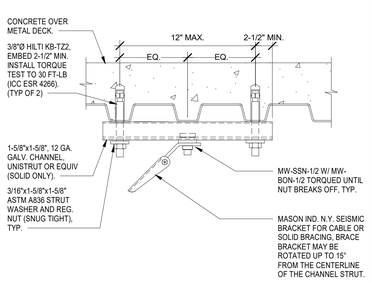
NOTES:
1. SEE PLANS FOR PIPE SIZES.
2. SEE SPECIFICATIONS FOR REQUIRED SUPPORT SPACING.
3. SEE 27/P800 FOR SEISMIC BRACING REQUIREMENTS.

PIPE TRAPEZE SUPPORT N.T.S. 10

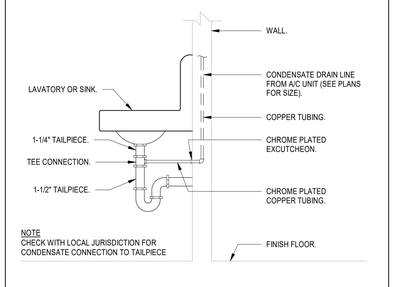


NOTE:
ALL SHUT-OFF VALVE BOXES WITHIN 10'-0" OF EACH OTHER SHALL BE LINED UP WITH EACH OTHER AND PARALLEL TO SIDE-WALK OR BUILDING WALL. DO NOT LOCATE IN SIDEWALKS.

SHUT-OFF VALVE IN BOX N.T.S. 3

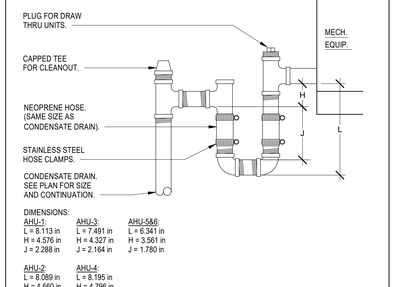


SEISMIC BRACING UPPER ATTACHMENT N.T.S. 29



NOTE
CHECK WITH LOCAL JURISDICTION FOR CONDENSATE CONNECTION TO TAILPIECE

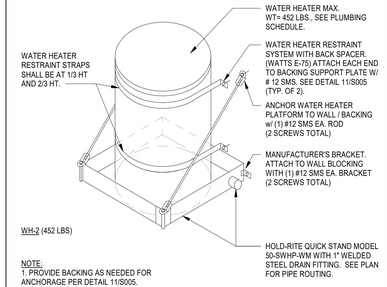
CD TERMINATION TO LAV TAILPIECE N.T.S. 24



DIMENSIONS:

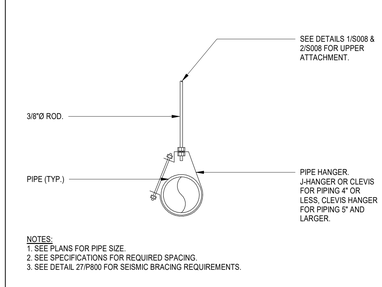
AHU-1:	AHU-3:	AHU-5&6:
L = 8.113 in	L = 7.491 in	L = 6.341 in
H = 4.576 in	H = 4.327 in	H = 3.561 in
J = 2.288 in	J = 2.164 in	J = 1.780 in
AHU-2:	**AHU-4:**	
L = 8.089 in	L = 8.195 in	
H = 4.560 in	H = 4.796 in	
J = 2.280 in	J = 2.398 in	

CONDENSATE DRAIN CONNECTION N.T.S. 19



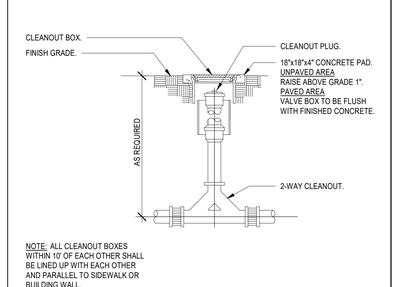
NOTE:
1. PROVIDE BACKING AS NEEDED FOR ANCHORAGE PER DETAIL 11/S005.
2. SEE DETAIL 15/P800 FOR PIPING.

ELECTRIC WATER HEATER ON SHELF N.T.S. 14



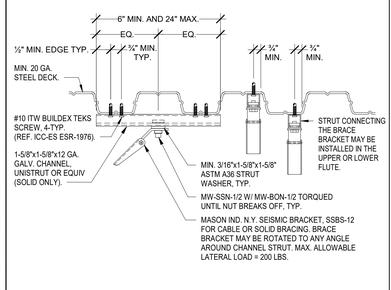
NOTES:
1. SEE PLANS FOR PIPE SIZE.
2. SEE SPECIFICATIONS FOR REQUIRED SPACING.
3. SEE DETAIL 27/P800 FOR SEISMIC BRACING REQUIREMENTS.

PIPE HANGER SUPPORT N.T.S. 9

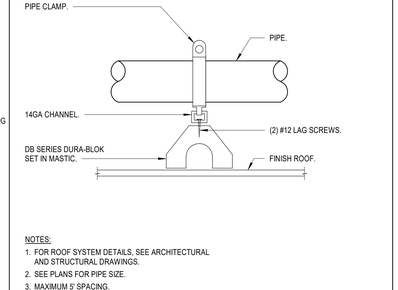


NOTE: ALL CLEANOUT BOXES WITHIN 10' OF EACH OTHER SHALL BE LINED UP WITH EACH OTHER AND PARALLEL TO SIDEWALK OR BUILDING WALL.

2-WAY CLEANOUT TO GRADE N.T.S. 4

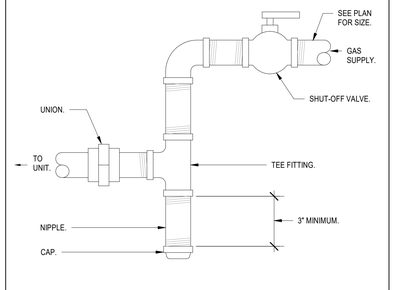


SEISMIC BRACING UPPER ATTACHMENT N.T.S. 30

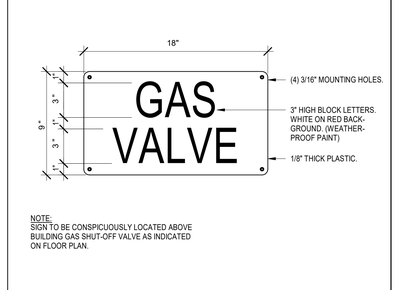


NOTES:
1. FOR ROOF SYSTEM DETAILS, SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. SEE PLANS FOR PIPE SIZE.
3. MAXIMUM 5' SPACING.

PIPE SUPPORT ON ROOF N.T.S. 25



GAS DIRT LEG N.T.S. 20



NOTE:
SIGN TO BE CONSPICUOUSLY LOCATED ABOVE BUILDING GAS SHUT-OFF VALVE AS INDICATED ON FLOOR PLAN.

GAS VALVE SIGN N.T.S. 5

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MARK	DATE	DESCRIPTION
	08/14/2026	DSA BACKCHECK SUBMITTAL

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PLUMBING DETAILS

PROJECT NO.
22-12499

DRAWING
P800

PLOT DATE: 8/13/2026 12:23:57 PM

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TITLE 24 ACCEPTANCE TESTING

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEMS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD, OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance.

THE ACCEPTANCE TESTING PROCEDUERS MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

MECHANICAL SHEET INDEX

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M210	MECHANICAL FLOOR PLAN - FIRST FLOOR
M211	ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR
M212	ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR
M213	ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR
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M901	TITLE 24 DOCUMENTATION
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GENERAL NOTES

1. COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY.
2. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS.
3. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
4. PROVIDE ALL DUCT TRANSITION PIECES AND FITTINGS REQUIRED TO ACCOMMODATE MECHANICAL EQUIPMENT CONNECTIONS, STRUCTURE, ARCHITECTURAL ELEMENTS, AND CHANGES IN DUCT SIZES.
5. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY SMACNA AND CHAPTER 6 OF THE 2022 CMC.
6. ALL DUCTWORK AND PIPING SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF THE 2022 CMC. INSULATION MATERIALS SHALL MEET THE CALIFORNIA QUALITY STANDARD PER SECTION 110.8, 120.3, AND 120.4 OF THE 2022 CALIFORNIA ENERGY CODE.
7. ALL DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS.
8. DUCTWORK SHALL BE SHEET METAL CONSTRUCTED IN COMPLETE CONFORMANCE WITH CMC LATEST EDITION, CHAPTER 6 AND THE LATEST SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
9. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE OWNER REPRESENTATIVE.
10. PROVIDE VOLUME DAMPERS IN ALL BRANCH DUCTS (SUPPLY, RETURN, OSA AND EXHAUST) FOR SYSTEM BALANCING.
11. HANDLE, STORE AND INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND AS DIRECTED IN THE PROJECT MANUAL.
12. ALL AIR SYSTEMS SHALL BE TESTED, ADJUSTED AND BALANCED TO MEET THE REQUIRED FLOW. TAB METHODOLOGY SHALL BE SUBMITTED TO OWNER REPRESENTATIVE PRIOR TO IMPLEMENTATION AND IN ACCORDANCE WITH PROJECT SEQUENCING.
13. WHERE SELF-DRILLING-SCREWS (S.D.S.) ARE INDICATED FOR ATTACHMENT, PROVIDE SCREWS WITH A #5 PT (POINT) DRILL BIT TIP SIZE OR TYPE OF DRILL POINT.

ANCHORAGE & BRACING NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE: THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☒ MD ☒ PP ☐ E ☐ - OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

LEGEND

SYMBOL	ITEM	ABBR.
	ABOVE	ABV
	ABOVE CEILING	ABV CLG
	ABOVE FINISHED FLOOR	AFF
	ALTERNATE	ALT
	AIR CONDITIONING	AC
	AIR FLOW STATION	AFS
	AIR HANDLER UNIT	AHU
	ANALOG INPUT	AI
	ANALOG OUTPUT	AO
&	AND	
	ARCHITECT / ARCHITECTURAL	ARCH
@	AT	
	BACKDRAFT DAMPER	BDD
	BELOW FINISH CEILING	BFC
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	BLIND FLANGE	BLF
	BRITISH THERMAL UNIT	BTU
	BRITISH THERMAL UNIT PER HOUR	BTUH
	CALIFORNIA MECHANICAL CODE	CMC
	CALIFORNIA PLUMBING CODE	CPC
	CEILING	CLG
℄	CENTER LINE	
	CONTINUATION	CONT
	CUBIC FEET OF AIR PER MINUTE	CFM
	CURRENT SENSOR	CS
Φ	DIAMETER	DIA
	DIFFERENTIAL PRESSURE SWITCH	DPS
	DIGITAL INPUT	DI
	DIGITAL OUTPUT	DO
	DOWN	DN
	DRAWING	DWG
	ELECTRICAL	ELEC
	ELBOW	ELL
	EXHAUST	EXH
	EXHAUST AIR	EA
	EXHAUST FAN	EF
	EXISTING	(E)
	FEET	FT
	FLOOR	FLR
	FLOW LINE	FL
	FLOW SWITCH	FS
	GAUGE	GA
	GALLON	GAL
	GALLONS PER HOUR	GPH
	GALLONS PER MINUTE	GPM
	INSIDE DIAMETER	ID
	MAKE-UP AIR UNIT	MAU
	MAXIMUM	MAX
	MINIMUM	MIN
	NEW	(N)
	NOT IN CONTRACT	NIC
	NOT TO SCALE	NTS
#	NUMBER	NO.
	OUTSIDE AIR	OSA
	OUTSIDE DIAMETER	OD
	POUNDS	LBS
	POUNDS PER SQUARE INCH	PSI
	POUNDS PER SQUARE INCH ABSOLUTE	PSIA
	POUNDS PER SQUARE INCH GAUGE	PSIG
	POLYVINYL CHLORIDE	PVC
	PRESSURE STATION	PS
	RETURN AIR	RA
	ROOM	RM
	SUPPLY AIR	SA
	SPECIFICATION	SPEC
	SQUARE FEET	SQ FT
	STAINLESS STEEL	SS
	TEMPERATURE	TEMP
	TEMPERATURE SENSOR	TS
	THROUGH	THRU
	TYPICAL	(TYP)
	UNDER GROUND	U/G
	VARIABLE AIR VOLUME UNIT	VAV
	WITH	W/
	WITHOUT	W/O
BD	BOILER BLOWDOWN	
BF	BOILER FEED	
CF	CHEMICAL FEED	
A	COMPRESSED AIR	A
CHWS	CHILLED WATER SUPPLY	CHWS
CHWR	CHILLED WATER RETURN	CHWR
CWS	CONDENSER WATER SUPPLY	CWS
CWR	CONDENSER WATER RETURN	CWR
CW	DOMESTIC COLD WATER	
HWS	HEATING HOT WATER SUPPLY	HWS
HWR	HEATING HOT WATER RETURN	HWR
RD	REFRIGERANT DISCHARGE	RD
RL	REFRIGERANT LIQUID	RL
RS	REFRIGERANT SUCTION	RS
SCW	SOFT COLD WATER	
S	STEAM SUPPLY	S

SYMBOL	ITEM	ABBR.
CR	STEAM CONDENSATE RETURN	CR
SBD	SURFACE BLOWDOWN	
D	DRAIN	D
	PIPING CAP	
	EXISTING (DESIGNATED)	(E)
	REMOVE / DEMO EXISTING (DESIGNATED)	
	DIRECTION OF FLOW	
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	PIPE/DUCT TURN DOWN	
	PIPE/DUCT TURN UP	
	ROUND DUCT (SMALLER THAN 10℄)	
	ROUND FLEXIBLE DUCT	
	RECTANGULAR OR ROUND DUCT (10℄ AND LARGER)	
	EXISTING DUCT (DESIGNATED)	
	REMOVE/ DEMO EXISTING DUCT (DESIGNATED)	
	DUCT WITH ACOUSTIC LINING	
	SUPPLY AIR DUCT DROP	
	SUPPLY AIR DUCT RISE	
	RETURN AIR DUCT DROP	
	RETURN AIR DUCT RISE	
	EXHAUST AIR DUCT DROP	
	EXHAUST AIR DUCT RISE	
	OUTSIDE AIR DUCT DROP	
	OUTSIDE AIR DUCT RISE	
	TURNING VANES	TV
	EXTRACTOR	
CO	CO_2 SENSOR	
DD	DUCT DETECTOR	DD
HD	HEAT DETECTOR	HD
SD	SMOKE DETECTOR	SD
M	MOTORIZED DAMPER	
	FIRE DAMPER W/MOTORIZED RESET AND ACCESS DOOR	
	FIRE DAMPER WITH ACCESS PANEL OR SECURITY BARS	
-OR- ▲	FIRE DAMPER WITH ACCESS PANEL	FD
-OR- ■	FIRE/SMOKE DAMPER WITH ACCESS PANEL	F/SD
	VOLUME CONTROL DAMPER WITH LOCKING QUADRANT	VCD
T	REMOTE T'STAT WITH SENSOR IN DUCT	
T AC-1	THERMOSTAT; THERMOSTAT LABEL EXAMPLE : THERMOSTAT FOR AC-1 MOUNT AT +48" AFF TO TOP OF BOX	T'STAT
	POINT OF CONNECTION TO EXISTING	POC
	BYPASS TIMER	BPT
	THERMOMETER	
	PRESSURE GAGE	
	SECURITY BARS	
	PETE'S PLUG	
	BALANCING COCK	
	BALL VALVE	
	BUTTERFLY VALVE	
	CHECK VALVE	
	CONCENTRIC REDUCER	
	TWO-WAY CONTROL VALVE	
	FLOW SWITCH	FS
	FLEXIBLE CONNECTION	FLEX
	GATE VALVE	
	GLOBE VALVE	
	INSTRUMENT WELL	
	PLUG VALVE	
	PRESSURE RELIEF VALVE	PRV
	"Y" TYPE STRAINER	
	UNION	
1	KEYNOTE	
A	GRILLE TAG	
EF 8	NEW EQUIPMENT TAG EXAMPLE: DESCRIPTION EF, MARK NUMBER 8	
2 M202	DETAIL REFERENCE EXAMPLE: DETAIL 2, SHEET M202	
3 M400	SECTION REFERENCE EXAMPLE: SECTION 3, SHEET M400	

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA CA, 93277

DRAWING TITLE
MECHANICAL LEGENDS AND NOTES

PROJECT NO.
23-12499

DRAWING
M001

PLOT DATE: 8/12/2026 3:00:11 PM

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MECHANICAL SCHEDULES

VARIABLE AIR VOLUME BOX SCHEDULE - 1ST FLOOR (AH-1)

DESIGNATION	VAV 1-1	VAV 1-2	VAV 1-3	VAV 1-4	VAV 1-5	VAV 1-6	VAV 1-7	VAV 1-8	VAV 1-9	VAV 1-10	VAV 1-11	VAV 1-12	VAV 1-13	VAV 1-14	VAV 1-15	VAV 1-16
COOLING CFM (MAX / MIN)	740 / 220	150 / 50	1600 / 550	4500 / 1350	1225 / 370	165 / 65	430 / 130	160 / 50	250 / 80	150 / 50	300 / 90	570 / 170	2000 / 600	1065 / 320	725 / 220	2000 / 600
HEATING CFM	400	50	550	1800	370	65	130	95	110	85	90	170	600	320	220	600
INLET PRESSURE (IN. WC)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
INTERNAL PD (IN. WC)	0.33	0.07	0.26	0.60	0.45	0.09	0.18	0.08	0.19	0.07	0.26	0.32	0.32	0.57	0.32	0.32
MAX NC (DISCHARGE)	21	25	20	32	26	25	22	25	22	25	22	25	22	23	21	22
HEATING CAPACITY (MBH)	19.4	2.5	23.9	76.7	11.4	2.9	4.8	4.2	5.2	3.9	2.5	5.0	20.1	8.3	9.6	20.1
COIL ROWS	2	1	2	2	1	1	1	2	2	2	1	1	1	1	1	1
GPM	6.0	1.0	2.0	9.0	2.0	1.0	1.0	0.8	0.9	0.8	0.7	0.9	3.0	2.0	2.0	3.0
PD (FT.)	0.5	0.5	0.4	3.1	0.5	0.5	0.6	0.1	0.1	0.1	0.5	0.6	1.1	0.4	0.4	1.1
EADB (°F)	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
EWT (°F)	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
BRANCH SIZE (IN.)	1	3/4	3/4	1-1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV
SIZE	9	4	14	24x16	12	4	7	4	5	4	6	8	16	10	9	16
LOCATION	101C WAREHOUSE	101A OFFICE	101 BOOKSTORE	100 SOUTH LOUNGE	122 SUMMIT SLICE	123 OFFICE	105 MEN	124 LINEN	109 DELIVERY	125 DRY STORAGE	128 SCULLERY	129 BAKING	111 KITCHEN #2	121 COCINA GIGANTE	120 THE GRIND	112 KITCHEN #1
AIR HANDLER	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1	AH-1
OPER. WT. (LBS)	50	40	70	120	60	40	45	40	40	40	40	45	80	50	50	80
ACCESSORIES	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2

1. PROVIDE 120V / 24V TRANSFORMER.
2. PROVIDE 1/2" FIBRE FREE LINER.

VARIABLE AIR VOLUME BOX SCHEDULE - 1ST FLOOR (AH-2)

DESIGNATION	VAV 2-1	VAV 2-2	VAV 2-3	VAV 2-4	VAV 2-5	VAV 2-6	VAV 2-7	VAV 2-8	VAV 2-9
COOLING CFM (MAX / MIN)	1300 / 390	4050 / 1220	3925 / 1180	1500 / 450	3565 / 1070	660 / 435	200 / 60	200 / 150	350 / 110
HEATING CFM	390	1220	1400	450	1500	435	60	150	140
INLET PRESSURE (IN. WC)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
INTERNAL PD (IN. WC)	0.11	0.03	0.03	0.15	0.02	0.08	0.04	0.04	0.13
MAX NC (DISCHARGE)	26	32	32	26	32	21	22	22	22
HEATING CAPACITY (MBH)	11.9	55.5	63.5	12.7	71.4	17.4	2.8	4.6	6.7
COIL ROWS	1	2	2	1	3	2	1	1	2
GPM	2.0	5.0	7.0	2.0	5.4	2.0	1.0	1.0	1.0
PD (FT.)	0.5	1.6	3.2	0.5	1.9	0.5	0.5	0.5	0.1
EADB (°F)	55	55	55	55	55	55	55	55	55
EWT (°F)	140	140	140	140	140	140	140	140	140
BRANCH SIZE (IN.)	3/4	1	1	3/4	1	3/4	3/4	3/4	3/4
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV
SIZE	12	24x16	24x16	12	24x16	9	5	5	6
LOCATION	119 GIANT GRILL	100A DINING	100A DINING	134 GROVE MARKET	100B NORTH LOUNGE	138 STAFF	137 LACTATION	117 BREAK ROOM	115 JANITOR
AIR HANDLER	AH-2	AH-2	AH-2	AH-2	AH-2	AH-2	AH-2	AH-2	AH-2
OPER. WT. (LBS)	60	120	120	60	120	50	40	40	40
ACCESSORIES	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2

1. PROVIDE 120V / 24V TRANSFORMER.
2. PROVIDE 1/2" FIBRE FREE LINER.

GRILLE SCHEDULE

MARK	DUTY	DESCRIPTION
A	LAY-IN SUPPLY	TITUS MODEL PMC (TYPE 3) PERFORATED FACE DIFFUSER, FIELD POSITIONABLE DIRECTIONAL LOUVER CORE MOUNTED AT NECK, SQUARE NECK, 24"x24" MODULE, STANDARD FINISH - #26 WHITE.
B	LAY-IN RETURN / EXHAUST	TITUS MODEL PAR (TYPE 3) PERFORATED FACE DIFFUSER, 24"x24" MODULE, STANDARD FINISH - #26 WHITE.
C	SURFACE MOUNT SUPPLY	TITUS MODEL TDC (TYPE 1) STEEL LOUVER DIFFUSER, CONCEALED FASTENERS, SQUARE OR RECTANGULAR NECK, STANDARD FINISH - #26 WHITE.
D	SURFACE MOUNT RETURN / EXHAUST	TITUS MODEL 25RL (TYPE 1) STEEL FIXED LOUVER GRILLE, 1/2" BLADE SPACING, FIXED 30° DEFLECTION, STANDARD FINISH - #26 WHITE.
E	DUCT MOUNTED SUPPLY	TITUS MODEL S300FL ALUMINUM SPIRAL DUCT MOUNTED SUPPLY GRILLE, DOUBLE DEFLECTION, RADIUS END CAPS, 3/4" BLADE SPACING, WITH OPTIONAL AIR SCOOP DAMPER, STANDARD FINISH - #34 CLEAR ANODIZE.
F	SIDEWALL SUPPLY	TITUS MODEL 272RL STEEL AEROBLADE DOUBLE DEFLECTION SUPPLY GRILLE, 3/4" BLADE SPACING, INDIVIDUALLY ADJUSTABLE BLADES, STANDARD FINISH - #26 WHITE. PROVIDE OPPOSED BLADE DAMPER WHERE INDICATED ON PLAN.
G	LINEAR DIFFUSER SUPPLY (SIDEWALL)	CONTINUOUS LINEAR DIFFUSER FL-15-JT, TWO 1.5" SLOTS, BORDER TYPE XX, WITH JET THROW PATTERN CONTROLLER. PROVIDE SHOP FABRICATED LINED PLENUM WITH 12" INLET ON TOP OF PLENUM AT ACTIVE SECTIONS, SEE PLAN FOR LENGTHS. PROVIDE FBBO-15 BLANK-OFF AT INACTIVE SECTIONS.
H	LINEAR DIFFUSER SUPPLY (CEILING)	LINEAR DIFFUSER FL-TZ-DF-HT, ONE 1" SLOT, WITH HIGH THROW PATTERN CONTROLLER. PROVIDE 8" INLET FACTORY LINED PLENUM.

VARIABLE AIR VOLUME BOX SCHEDULE - 2ND FLOOR (AH-3)

DESIGNATION	VAV 3-1	VAV 3-2	VAV 3-3	VAV 3-4	VAV 3-5	VAV 3-6	VAV 3-7	VAV 3-8
COOLING CFM (MAX / MIN)	305 / 90	610 / 180	280 / 80	720 / 275	425 / 130	980 / 290	1225 / 395	315 / 95
HEATING CFM	90	180	80	275	130	290	395	95
INLET PRESSURE (IN. WC)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
INTERNAL PD (IN. WC)	0.10	0.11	0.08	0.10	0.09	0.10	0.10	0.10
MAX NC (DISCHARGE)	22	25	22	21	22	23	26	22
HEATING CAPACITY (MBH)	4.1	5.7	3.7	8.8	4.8	15.3	11.9	3.7
COIL ROWS	2	1	2	1	1	2	1	1
GPM	0.8	1.0	0.8	2.0	1.0	4.0	2.0	1.0
PD (FT.)	0.1	0.6	0.1	0.4	0.6	1.8	0.5	0.5
EADB (°F)	55	55	55	55	55	55	55	55
EWT (°F)	140	140	140	140	140	140	140	140
BRANCH SIZE (IN.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV
SIZE	6	8	5	9	7	10	12	6
LOCATION	202D OFFICE	202F STUDENT SERVICES	202B OFFICE	202G STUDENT SERVICES	205 MEN	219B WS CORRIDOR	207H STUDENT SUCCESS	207D OFFICE
ZONE	AH-3	AH-3	AH-3	AH-3	AH-3	AH-3	AH-3	AH-3
OPER. WT. (LBS)	40	45	40	50	45	50	60	40
ACCESSORIES	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2

1. PROVIDE 120V / 24V TRANSFORMER.
2. PROVIDE 1/2" FIBRE FREE LINER.

VARIABLE AIR VOLUME BOX SCHEDULE - 2ND FLOOR (AH-4)

DESIGNATION	VAV 4-1	VAV 4-2	VAV 4-3	VAV 4-4	VAV 4-5	VAV 4-6	VAV 4-7	VAV 4-8	VAV 4-9	VAV 4-10	VAV 4-11	VAV 4-12
COOLING CFM (MAX / MIN)	885 / 400	305 / 90	375 / 115	60 / 35	180 / 80	410 / 185	370 / 110	575 / 295	510 / 150	120 / 40	100 / 35	1910 / 685
HEATING CFM	400	90	115	35	80	185	110	295	170	40	100	685
INLET PRESSURE (IN. WC)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
INTERNAL PD (IN. WC)	0.08	0.10	0.15	0.01	0.04	0.09	0.14	0.10	0.08	0.02	0.01	0.12
MAX NC (DISCHARGE)	23	22	22	25	25	22	22	25	25	25	25	20
HEATING CAPACITY (MBH)	10.5	3.6	4.1	1.3	3.3	5.8	4.0	13.5	8.2	2.3	6.6	33.4
COIL ROWS	1	1	1	1	1	1	1	2	2	1	3	2
GPM	2.0	1.0	1.0	0.5	1.0	1.0	1.0	3.0	1.0	1.0	1.8	6.0
PD (FT.)	0.4	0.5	0.5	0.5	0.5	0.6	0.5	1.4	0.2	0.5	0.7	3.4
EADB (°F)	55	55	55	55	55	55	55	55	55	55	55	55
EWT (°F)	140	140	140	140	140	140	140	140	140	140	140	140
BRANCH SIZE (IN.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV	DESV
SIZE	10	6	6	4	4	7	6	8	8	4	4	14
LOCATION	209G TRANSFER/CAREER	209A OFFICE	210 STUDENT ACTIVITIES	210A OFFICE	210B STORAGE	211 MEETING	214 UNISEX	217F LOUNGE	217D COMPUTER	217C OFFICE	217A OFFICE	201 ASG
ZONE	AH-4	AH-4	AH-4	AH-4	AH-4	AH-4	AH-4	AH-4	AH-4	AH-4	AH-4	AH-4
OPER. WT. (LBS)	50	40	40	40	40	45	40	45	45	40	40	70
ACCESSORIES	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2

1. PROVIDE 120V / 24V TRANSFORMER.
2. PROVIDE 1/2" FIBRE FREE LINER.

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
MECHANICAL SCHEDULES

PROJECT NO.
23-12499

DRAWING
M002

PLOT DATE: 8/12/2026 3:00:12 PM

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MECHANICAL SCHEDULES

FLY FAN SCHEDULE

DESIGNATION	FF-1	FF-2
CFM	3,166	3,166
FPM (AT NOZZLE)	5,550	5,550
HP	2 x 0.5	2 x 0.5
VOLTS / PHASE	120 / 1	120 / 1
FLA / MOCP	13.0 / 20	13.0 / 20
SOUND (dBA)	66	66
DRIVE	DIRECT	DIRECT
MOUNTING	WALL MOUNT	WALL MOUNT
MANUFACTURER	BERNER	BERNER
TYPE	UNHEATED	UNHEATED
MODEL NUMBER	IDC12-2084AA	IDC12-2084AA
CONTROL	DOOR SWITCH	DOOR SWITCH
LOCATION	109 DELIVERY	114 DELIVERY
OPER. WT. (LBS)	190	190
ACCESSORIES	1	1

1. FURNISH WITH DOOR SWITCH AND WALL MOUNTING BRACKET.

FIRE SUPPRESSION SYSTEM SCHEDULE

DESIGNATION	1	2	3	4	5	6	7
TYPE	WET CHEMICAL	WET CHEMICAL	WET CHEMICAL	WET CHEMICAL	WET CHEMICAL	WET CHEMICAL	WET CHEMICAL
DETECTION TYPE	DUCT FIRE THERMOSTAT	DUCT FIRE THERMOSTAT	DUCT FIRE THERMOSTAT	DUCT FIRE THERMOSTAT	DUCT FIRE THERMOSTAT	DUCT FIRE THERMOSTAT	DUCT FIRE THERMOSTAT
FLOW POINTS AVAILABLE	40	20	60	20	60	60	20
FLOW POINTS UTILIZED	27	20	53	8	56	49	12
TANKS (QTY / GAL.)	2 / 4.0	1 / 4.0	3 / 4.0	1 / 4.0	3 / 4.0	3 / 4.0	1 / 4.0
GAS SOV SIZE	1"	3/4"	3.5"	-	3"	-	3"
MANUFACTURER	CAPTIVE AIRE	CAPTIVE AIRE	CAPTIVE AIRE	CAPTIVE AIRE	CAPTIVE AIRE	CAPTIVE AIRE	CAPTIVE AIRE
LOCATION	WALL MOUNTED UTILITY CABINET IN 122 SUMMIT SLICE	HOOD MOUNTED UTILITY CABINET ON KH-2	HOOD MOUNTED UTILITY CABINET ON KH-3	HOOD MOUNTED UTILITY CABINET ON KH-4	HOOD MOUNTED UTILITY CABINET ON KH-5F	HOOD MOUNTED UTILITY CABINET ON KH-5B	HOOD MOUNTED UTILITY CABINET ON KH-7
SERVICE	KH-1	KH-2	KH-3	KH-4	KH-5F,6F	KH-5B,6B	KH-7
ACCESSORIES & OPTIONS	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3	1,2,3,4	1,2,3	1,2,3,4

1. FULL FACTORY-COORDINATED INSTALLATION.
2. METAL BLOW-OFF CAPS.
3. REMOTE PULL STATION (SEE PLAN FOR PROPOSED LOCATION).
4. GAS SHUT-OFF VALVE.

KITCHEN HOOD SCHEDULE

DESIGNATION	KH-1	KH-2	KH-3	KH-4	KH-5F	KH-5B	KH-6F	KH-6B	KH-7	KH-8
LENGTH	11' 9"	7' 0"	13' 6"	4' 9"	9' 6"	9' 6"	5' 6"	5' 6"	12' 0"	3' 6"
DEPTH	72"	54"	54"	54"	54"	54"	54"	54"	60"	54"
HEIGHT ABV. F.F.	80"	80"	80"	80"	80"	80"	80"	80"	80"	80"
TYPE	I	I	I	I	I	I	I	I	I	II
EXHAUST (CFM)	2232	1330	3038	1050	2042	2042	1100	1100	1800	700
EXHAUST SP (IN. WC)	0.96	0.56	0.96	0.75	0.51	0.51	0.28	0.28	0.62	0.12
EXHAUST DUCT QTY / SIZE (IN.)	1 / 14"	1 / 12"	1 / 18"	1 / 10"	1 / 18"	1 / 18"	1 / 16"	1 / 16"	1 / 14"	1 / 10"
EXHAUST DUCT VELOCITY (FPM)	2088	1693	1719	1925	1156	1156	788	788	1684	1283
FILTER QTY / SIZE (IN.)	8 / 20x16	5 / 20x16	10 / 20x16	3 / 20x16	7 / 20x16	7 / 20x16	4 / 20x16	4 / 20x16	9 / 20x16	- / -
FILTER TYPE	STAINLESS BAFFLE	STAINLESS BAFFLE	STAINLESS BAFFLE	STAINLESS BAFFLE	STAINLESS BAFFLE	STAINLESS BAFFLE	STAINLESS BAFFLE	STAINLESS BAFFLE	STAINLESS BAFFLE	-
HOOD MATERIAL	430 STAINLESS	430 STAINLESS	430 STAINLESS	430 STAINLESS	430 STAINLESS	430 STAINLESS	430 STAINLESS	430 STAINLESS	430 STAINLESS	430 STAINLESS
LIGHTING TYPE / QTY.	LED / 3	LED / 2	LED / 4	LED / 2	LED / 3	LED / 3	LED / 2	LED / 2	LED / 3	- / -
LEFT END (SEE NOTES BELOW)	3,4	1,5	1,6	5	1,6	1,6	6	6	3,4	-
RIGHT END (SEE NOTES BELOW)	3,4	5	3,4	1,5	6	6	6	6	2,6	-
MANUFACTURER	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE
MODEL NUMBER	7224 ND-2	5424 ND-2	5424 ND-2	5424 ND-2	5424 ND-2	5424 ND-2	5424 ND-2	5425 ND-2	6024 ND-2	5424 VHB-G
CONTROL	DCV CONTROL PANEL ECP-1	DCV CONTROL PANEL ECP-2	DCV CONTROL PANEL ECP-3		DCV CONTROL PANEL ECP-4				DCV CONTROL PANEL ECP-5	INTERLOCK W/ DISHWASHER
LOCATION	122 SUMMIT SLICE	121 COCINA GIGANTE	119 GIANT GRILL	119 GIANT GRILL	111 KITCHEN #2	111 KITCHEN #2	112 KITCHEN #1	112 KITCHEN #1	129 BAKING/OVENS	128 SCULLERY
OPER. WT. (LBS)	750	660	1190	560	1070	1070	500	500	870	200
ACCESSORIES	7,8,9,10	7,8	7,8,9	7,8	7,8	7,8	7,8	7,8	7,8,9	7,8

1. 12"x54"x24" UTILITY CABINET MOUNTED ON SIDE OF HOOD.
2. 12"x60"x24" UTILITY CABINET MOUNTED ON SIDE OF HOOD.
3. STAINLESS STEEL SIDESPLASH.
4. 1" INSULATED END STANDOFF.
5. STAINLESS STEEL QUARTER END PANEL.
6. STAINLESS STEEL WIDE VERTICAL END PANEL.
7. STAINLESS STEEL CEILING CLOSURE SKIRT.
8. STAINLESS STEEL BACKSPLASH.
9. STRUCTURAL FRONT PANEL.
10. 12"x36"x24" WALL MOUNTED UTILITY CABINET. SEE PLAN FOR LOCATION.

SOUND TRAP SCHEDULE

DESIGNATION	AIRFLOW (CFM)	VELOCITY (FPM)	PD (IN. WC)	INSTALLED PD (IN. WC)	CONFIGURATION	CENTERLINE / LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)	DYNAMIC INSERTION LOSS (dB) 63 HZ	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	8000 HZ	MANUFACTURER	MODEL	AIR HANDLER	COMMENTS
ST-1	16,000	1400	0.11	0.29	ELBOW	94	21	80	650	9	12	19	35	37	34	29	24	BRD	A5-94MRE	AH-1 SUPPLY	(2) SIDE-BY-SIDE
ST-2	15,800	1400	0.11	0.29	ELBOW	94	21	80	650	9	12	19	35	37	34	29	24	BRD	A5-94MRE	AH-2 SUPPLY	(2) SIDE-BY-SIDE
ST-3A	5,100	1600	0.15	0.28	ELBOW	36	13	36	75	5	7	10	12	12	13	13	12	BRD	A7-36MRE	AH-3 SUPPLY	
ST-3B	4,090	1000	0.20	0.32	STRAIGHT	30	14	46	80	5	7	12	18	14	11	9	8	BRD	C8-30LR	AH-3 RETURN	
ST-4A	5,800	1300	0.13	0.30	STRAIGHT	30	14	46	80	4	6	11	15	13	11	9	8	BRD	D8-30HR	AH-4 SUPPLY	
ST-4B	5,280	1200	0.13	0.30	STRAIGHT	30	14	46	80	4	6	11	15	13	11	9	8	BRD	D8-30HR	AH-4 RETURN	
ST-5A	4,150	1600	0.11	0.27	STRAIGHT	48	16	24	85	4	6	11	17	13	10	8	7	BRD	CU-48HR	AH-5 SUPPLY	
ST-5B	4,150	1600	0.11	0.27	STRAIGHT	48	16	24	85	4	6	11	17	13	10	8	7	BRD	CU-48HR	AH-5 SUPPLY	
ST-6	8,300	1500	0.23	0.25	STRAIGHT	48	28	30	200	4	6	12	24	25	22	17	13	BRD	E2-35HR	AH-6 SUPPLY	

AIR HANDLER SCHEDULE

	DESIGNATION	AH-1	AH-2	AH-3	AH-4	AH-5	AH-6
	VOLTAGE / PHASE	460 / 3	460 / 3	460 / 3	460 / 3	460 / 3	460 / 3
	FLA (AMPS)	50.0	64.0	15.8	22.2	14.2	14.2
	MCA / MOCP (AMPS)	53.5 / 60	69.25 / 90	18.55 / 25	25.7 / 35	17.7 / 30	17.7 / 30
	MIN. O.S.A. (CFM)	2,110	3,450	1,150	2,100	8,300	8,300
BLOWER (SUPPLY)	SUPPLY AIR FLOW (CFM)	16,000	15,800	4,900	5,800	8,300	8,300
	EXT. S.P. (IN. WC)	2.5	2.5	2.5	2.5	1.0	1.0
	HP / BRAKE HP (PER FAN)	10 / 9.29	15 / 10.18	7.5 / 6.36	10 / 7.63	10 / 8.93	10 / 8.93
	FAN QTY.	2	2	1	1	1	1
	ISOLATOR DEFL. (IN.)	2	2	2	2	2	2
BLOWER (RETURN)	RETURN AIR FLOW (CFM)	14,785	14,955	3,890	5,280	-	-
	EXT. S.P. (IN. WC)	1.5	1.5	1.5	1.5	-	-
	HP / BRAKE HP (PER FAN)	7.5 / 5.95	7.5 / 5.54	3 / 2.52	5 / 3.72	-	-
	FAN QTY.	2	2	1	1	-	-
	ISOLATOR DEFL. (IN.)	2	2	2	2	-	-
COOLING COIL	SENSIBLE (MBH)	365.2	405.7	125.7	181.3	295.8	295.8
	TOTAL (MBH)	410.4	460.7	145.3	210.0	295.8	295.8
	COIL SIZE (FT.2)	34.9	34.9	13.4	12.1	16.0	16.0
	AIR PD (IN. WC)	0.63	0.62	0.47	0.68	0.44	0.44
	EADB / EAWB (°F)	80 / 67	80 / 67	80 / 67	80 / 67	103 / 72	103 / 72
	LADB (°F)	55	55	55	55	70	70
	GPM	82.0	92.0	29.0	42.0	60.0	60.0
	PD (FT.)	5.4	5.3	4.3	4.5	11.0	11.0
	EWT (°F)	45	45	45	45	45	45
	BRANCH SIZE (IN.)	0	0	0	0	0	0
	VALVE TYPE	A	A	A	A	A	A
	VALVE Cv	47	53	17	24	35	35
HEATING COIL	CAPACITY (MBH)	-	-	-	-	403.4	403.4
	COIL SIZE (FT.2)	-	-	-	-	16.0	16.0
	AIR PD (IN. WC)	-	-	-	-	0.17	0.17
	EWT / EAT (°F)	-	-	-	-	140 / 30	140 / 30
	LADB (°F)	-	-	-	-	75	75
	GPM	-	-	-	-	40.3	40.3
	PD (FT.)	-	-	-	-	4.0	4.0
	BRANCH SIZE (IN.)	-	-	-	-	0	0
	VALVE TYPE	-	-	-	-	A	A
	VALVE Cv	-	-	-	-	23	23
FILTERS	QUANTITY / SIZE	1 / 16x20x2 3 / 16x25x2 8 / 20x24x2	1 / 16x20x2 3 / 16x25x2 8 / 20x24x2	4 / 16x20x2 2 / 16x25x2	6 / 16x20x2	4 / 16x20x2 4 / 20x20x2	4 / 16x20x2 4 / 20x20x2
	TYPE	MERV 13	MERV 13	MERV 13	MERV 13	MERV 13	MERV 13
	FINAL PD (IN WC)	1.0	1.0	1.0	1.0	1.0	1.0
	MANUFACTURER	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
	TYPE	VAV CHW	VAV CHW	VAV CHW	VAV CHW	VAV CHW / HW 100% OSA	VAV CHW / HW 100% OSA
	MODEL NUMBER	CSAA035	CSAA035	CSAA014	CSAA012	UCCA17	UCCA17
	LOCATION	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF
	SERVICE	1ST FLOOR	1ST FLOOR	2ND FLOOR	2ND FLOOR	MAKE-UP AIR	MAKE-UP AIR
	OPER. WT (LBS)	9,700	9,900	5,000	4,800	3,800	3,800
	ACCESSORIES	1,2,3,4,6	1,2,3,4,6	1,2,4,6	1,2,4,6	1,2,5,6	1,2,5,6

1. VIBRATION ISOLATION CURB. (MASON INDUSTRIES TYPE RSC)
2. VFD FOR EACH SUPPLY AND RETURN FAN.
3. SUPPLY FAN BACKDRAFT DAMPERS.
4. AIRFLOW MEASURING STATIONS FOR SUPPLY AND RETURN AIR.
5. AIRFLOW MEASURING STATION FOR SUPPLY AIR.
6. FURNISH AND INSTALL DUCT SMOKE DETECTOR IN SUPPLY DROP (SYSTEM SENSOR 'D4120' SERIES) WITH SAMPLING TUBE OF LENGTH AS REQUIRED TO MATCH DUCT DIMENSION. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR UNIT SHUTDOWN UPON DETECTION OF SMOKE. FURNISH REMOTE TEST SWITCH 'RTS451KEY' TO ELECTRICAL FOR INSTALLATION.

PUMP SCHEDULE

DESIGNATION	P-1A	P-1B	P-2A	P-2B
HORSEPOWER	7.5	7.5	1.5	1.5
VOLTS / PHASE	460 / 3	460 / 3	460 / 3	460 / 3
RPM	1592	1592	1673	1673
GPM / TDH (FT.)	185 / 65	185 / 65	75 / 40	75 / 40
EFFICIENCY (%)	67.3	67.3	62.5	62.5
MANUFACTURER	BELL & GOSSETT	BELL & GOSSETT	BELL & GOSSETT	BELL & GOSSETT
TYPE	IN-LINE	IN-LINE	IN-LINE	IN-LINE
MODEL NUMBER	E-80 2.5x2.5x9.5C	E-80 2.5x2.5x9.5C	E-80 1.5x1.5x7C	E-80 1.5x1.5x7C
SERVICE	CHILLED WATER	CHILLED WATER	HOT WATER	HOT WATER
LOCATION	CHILLER YARD	CHILLER YARD	CHILLER YARD	CHILLER YARD
OPER. WT. (LBS)	300	300	200	200
ACCESSORIES	1,2	1,2	1,2	1,2

1. VARIABLE FREQUENCY DRIVE IN NEMA 4 ENCLOSURE.
2. TEFC MOTOR FOR OUTDOOR INSTALLATION.

BUFFER TANK

DESIGNATION	BT-1	BT-2
TANK VOL. (GAL.)	350	500
DIAMETER (IN.)	36	42
HEIGHT (IN.)	92	90
CONNECTION SIZE (IN.)	4	4
MANUFACTURER	WESSELS	WESSELS
MODEL NUMBER	WMT-350	WMT-500
LOCATION	108 MECHANICAL	108 MECHANICAL
SERVICE	CHILLED WATER	HEATING HOT WATER
FULL. WT. (LBS)	3,600	5,200
ACCESSORIES	-	-

AIR/DIRT SEPARATOR SCHEDULE

DESIGNATION	ADS-1	ADS-2
FLOW (GPM)	370	150
SIZE (IN.)	5	4
MANUFACTURER	SPIROTHERM	SPIROTHERM
MODEL NUMBER	VDN 500 FA	VDN 400 FA
SERVICE	CHILLED WATER	HEATING HOT WATER
LOCATION	CHILLER YARD	CHILLER YARD
OPER. WT. (LBS)	500	300
ACCESSORIES	1	1

1. REMOVABLE LOWER HEAD FOR CLEANING.

EXPANSION TANK SCHEDULE

DESIGNATION	ET-1	ET-2
TANK VOL. (GAL.)	34.4	106
ACCEPTANCE VOL. (GAL.)	34.4	106
DIAMETER (IN.)	20	30
HEIGHT (IN.)	37	49
MANUFACTURER	BELL & GOSSETT	BELL & GOSSETT
MODEL NUMBER	B130	B400
LOCATION	CHILLER YARD	CHILLER YARD
SERVICE	CHILLED WATER	HEATING HOT WATER
FULL. WT. (LBS)	415	1,200
ACCESSORIES	-	-

CHEMICAL POT FEEDER SCHEDULE

DESIGNATION	PF-1	PF-2
TANK VOL. (GAL.)	5	5
DIAMETER (IN.)	10	10
HEIGHT (IN.)	29-3/4	29-3/4
MANUFACTURER	NEPTUNE	NEPTUNE
MODEL NUMBER	DBF-5HP	DBF-5HP
LOCATION	CHILLER YARD	CHILLER YARD
SERVICE	CHILLED WATER	HEATING HOT WATER
FULL. WT. (LBS)	100	100
ACCESSORIES	-	-

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
MECHANICAL SCHEDULES

PROJECT NO.
23-12499

DRAWING
M003

PLOT DATE: 8/12/2026 3:00:14 PM

MECHANICAL SCHEDULES

EXHAUST FAN SCHEDULE

DESIGNATION	KEF-1	KEF-2	KEF-3	KEF-4	KEF-5	KEF-6	KEF-7	KEF-8	EF-9	EF-10	EF-11	EF-12	EF-13	EF-14
CFM	2,232	1,330	3038	1050	4084	2200	1800	700	290	1260	1010	800	430	260
EXT. SP (IN. WC)	2.2	1.2	1.6	1.70	2.4	1.3	1.6	0.75	0.6	0.75	0.5	0.75	0.5	0.4
HP / BHP	3 / 1.8	1 / 0.4	3 / 1.7	1 / 0.5	5 / 3.4	1.5 / 1.0	1 / 0.7	1/3 / 0.2	0.1 / 0.07	0.5 / 0.29	0.25 / 0.14	0.25 / 0.2	0.1 / 0.08	0.1 / 0.05
VOLTS / PHASE	208 / 3	208 / 1	208 / 3	208 / 1	208 / 3	208 / 3	208 / 1	208 / 1	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1
RPM	1,412	1,316	1,341	1,444	1,084	1,130	1,590	1,499	1,493	1,165	1,161	1,618	1,488	1,476
SONES	20	10.8	20.3	13	25.2	13	15.7	15.6	7.4	10.3	8.3	9.9	7.0	6.8
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
MOUNTING	VENTED ROOF CURB	VENTED ROOF CURB	VENTED ROOF CURB	VENTED ROOF CURB	VENTED ROOF CURB	VENTED ROOF CURB	VENTED ROOF CURB	VENTED ROOF CURB	ROOF CURB	ROOF CURB	ROOF CURB	ROOF CURB	ROOF CURB	ROOF CURB
MANUFACTURER	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
MODEL NUMBER	DU180HFA	DU85HFA	DU180HFA	DU85HFA	DU240HFA	DU180HFA	DU85HFA	DU33HFA	CUE-090-VG	CUE-140-VG	CUE-120-VG	CUE-099-VG	CUE-090-VG	CUE-080-VG
CONTROL	DCV CONTROL PANEL ECP-1	DCV CONTROL PANEL ECP-2	DCV CONTROL PANEL ECP-3		DCV CONTROL PANEL ECP-4		DCV CONTROL PANEL ECP-5	INTERLOCK W/ DISHWASHER	EMS	EMS	EMS	EMS	EMS	EMS
LOCATION	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF
SERVICE	KH-1	KH-2	KH-3	KH-4	KH-5F,5B	KH-6F,6B	KH-7	KH-8	120 THE GRIND	1ST FLOOR SOUTH	2ND FLOOR SOUTH	1ST FLOOR NORTH	2ND FLOOR NORTH	208 JANITOR
OPER. WT. (LBS)	230	135	230	135	400	225	135	105	75	120	90	85	70	75
ACCESSORIES	1	5	1	5	2	1	5	3	4	4	4	4	4	4

1. PROVIDE 24" TALL VENTED ROOF CURB SLOPED TO MATCH ROOF PITCH, HINGE KIT, GREASE TRAP, BIRD SCREEN, ECM MOTOR, WIRING PACKAGE FOR VARIABLE SPEED CONTROL, AND VARIABLE SPEED DRIVE.
2. PROVIDE 20" TALL VENTED ROOF CURB SLOPED TO MATCH ROOF PITCH, HINGE KIT, GREASE TRAP, BIRD SCREEN, ECM MOTOR, WIRING PACKAGE FOR VARIABLE SPEED CONTROL, AND VARIABLE SPEED DRIVE.
3. PROVIDE 28" TALL VENTED ROOF CURB SLOPED TO MATCH ROOF PITCH, HINGE KIT, GREASE TRAP, BIRD SCREEN, AND ECM MOTOR.
4. PROVIDE ROOF CURB SLOPED TO MATCH ROOF PITCH, ECM MOTOR, BIRD SCREEN, AND BACKDRAFT DAMPER.
5. PROVIDE 24" TALL VENTED ROOF CURB SLOPED TO MATCH ROOF PITCH, HINGE KIT, GREASE TRAP, BIRD SCREEN, ECM MOTOR, AND WIRING PACKAGE FOR VARIABLE SPEED CONTROL.

HEAT PUMP WATER CHILLER SCHEDULE

DESIGNATION		CH-1
ELECTRICAL	FLA	414.9
	VOLTS / PHASE	460 / 3
	MCA / MOCP	423 / 450
COOLING	CAPACITY (TONS)	165.3
	GPM	395
	PRESSURE DROP (FT.)	9.1
	EWT / LWT (°F)	54 / 44
	EER	8.44
	EFFICIENCY (KW/TON)	1.42
	NPLV (KW/TON)	0.95
	AMBIENT (°F)	105
HEATING	CAPACITY (MBH)	1,944
	GPM	198
	PRESSURE DROP (FT.)	2.4
	EWT / LWT (°F)	120 / 140
	COP	2.3
	AMBIENT (°F)	30
REFRIGERANT / SAFETY CLASS		R454B / A2L
MANUFACTURER		TRANE
TYPE		AIR COOLED
MODEL NUMBER		MASA030
MODULE QUANTITY		6
LOCATION		CHILLER YARD
OPER. WT (LBS)		16,320
ACCESSORIES		-

OUTDOOR UNIT SCHEDULE

DESIGNATION	ODU-1	ODU-2	ODU-3	ODU-4	ODU-5	ODU-6	ODU-7
F.L.A. (AMPS)	7.4	7.4	7.5	7.5	7.4	7.4	7.5
VOLTS / PHASE	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1
MCA / MOCP	19 / 26	19 / 26	11 / 28	11 / 28	19 / 26	19 / 26	11 / 28
EER2 / SEER2 (AT ARI)	12.2 / 21.3	12.2 / 21.3	10.7 / 20.2	10.7 / 20.2	12.2 / 21.3	12.2 / 21.3	10.7 / 20.2
COOLING CAP. (MBH)	24.0	24.0	18.0	18.0	24.0	24.0	18.0
HEATING CAP. (MBH)	26.0	26.0	19.0	19.0	26.0	26.0	19.0
AMBIENT COOL / HEAT (°F)	95 / 47	95 / 47	95 / 47	95 / 47	95 / 47	95 / 47	95 / 47
REFRIGERANT / SAFETY CLASS	R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L
MANUFACTURER	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
TYPE	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
MODEL NUMBER	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUZA0181KA70NA	TRUZA0181KA70NA	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUZA0181KA70NA
LOCATION	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF
OPER. WT (LBS)	160	160	110	110	160	160	110
ACCESSORIES	-	-	-	-	-	-	-

INDOOR UNIT SCHEDULE

DESIGNATION		IDU-1	IDU-2	IDU-3	IDU-4	IDU-5	IDU-6	IDU-7
BLOWER	SUPPLY AIR (CFM)	775	775	450	450	775	775	450
	EXT. SP (IN. WC)	-	-	-	-	-	-	-
	MIN. O.S.A. (CFM)	-	-	-	-	-	-	-
	VOLTS / PHASE	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1
	MCA / MOCP	1.0 / NOTE 1	1.0 / NOTE 1	1.0 / NOTE 1	1.0 / NOTE 1	1.0 / NOTE 1	1.0 / NOTE 1	1.0 / NOTE 1
	F.L.A.	0.3	0.3	0.2	0.2	0.3	0.3	0.2
	DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
COOLING	SENSIBLE (MBH)	18.5	18.5	13.1	13.1	18.5	18.5	13.1
	TOTAL (MBH)	24.0	24.0	18.0	18.0	24.0	24.0	18.0
	EADB / EAWB (°F)	80 / 67	80 / 67	80 / 67	80 / 67	80 / 67	80 / 67	80 / 67
HEATING	CAP. (MBH) @ 47°F	26.0	26.0	19.0	19.0	26.0	26.0	19.0
FILTERS	TYPE	FACTORY WASHABLE	FACTORY WASHABLE	FACTORY WASHABLE	FACTORY WASHABLE	FACTORY WASHABLE	FACTORY WASHABLE	FACTORY WASHABLE
REFRIGERANT / SAFETY CLASS		R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L	R454B / A2L
MANUFACTURER		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
TYPE		WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
MODEL NUMBER		TPKA0A0241KA80A	TPKA0A0241KA80A	TPKA0A0181LA10A	TPKA0A0181LA10A	TPKA0A0241KA80A	TPKA0A0241KA80A	TPKA0A0181LA10A
LOCATION		139 COMMUNICATION	139 COMMUNICATION	132 ELECTRICAL	132 ELECTRICAL	215 COMMUNICATION	215 COMMUNICATION	117A ELEV. MACHINE
OPER. WT (LBS)		50	50	30	30	50	50	30
ACCESSORIES		1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3

1. INDOOR UNIT IS POWERED BY THE OUTDOOR UNIT.
2. THIRD PARTY THERMOSTAT INTERFACE KIT.
3. REFRIGERANT LINE SET COVERS FOR EXPOSED PIPING IN ROOM (AC COVER GUARD).

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DRAWING TITLE
MECHANICAL SCHEDULES

PROJECT NO.
23-12499

DRAWING
M004

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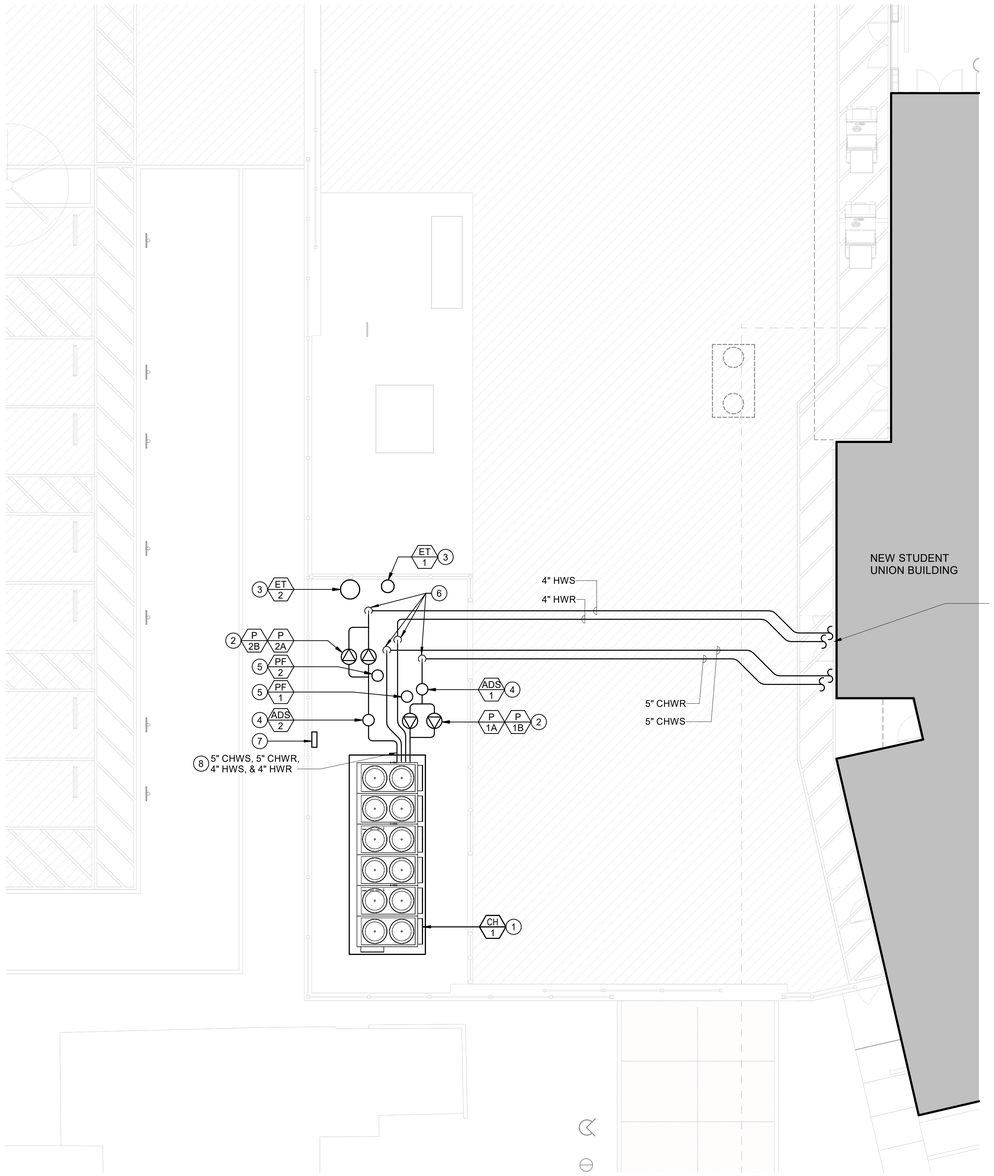

KEYNOTES

1. AIR COOLED HEAT PUMP CHILLER ON CONCRETE HOUSEKEEPING PAD. SEE 2/M800 FOR ANCHORAGE. SEE 1/M802 FOR PIPING DIAGRAM.
2. IN-LINE PUMP ON CONCRETE HOUSEKEEPING PAD. SEE 11/M800 FOR ANCHORAGE. SEE 1/M802 FOR PIPING DIAGRAM.
3. EXPANSION TANK ON CONCRETE PAD. SEE 13/M800 FOR ANCHORAGE. SEE 1/M802 FOR PIPING DIAGRAM.
4. AIR DIRT SEPARATOR MOUNTED IN PIPING. SEE 14/M800 FOR SUPPORT. SEE 1/M802 FOR PIPING DIAGRAM.
5. CHEMICAL POT FEEDER ON CONCRETE HOUSEKEEPING PAD. SEE 12/M800 FOR ANCHORAGE. SEE 1/M802 FOR PIPING DIAGRAM.
6. CHWS, CHWR, HWS, & HWR DN. TO BEL. GR. AND ROUTE TO BUILDING.
7. EMS PANEL. SEE M700 FOR EMS CONTROL DETAILS. SEE 10/M801 FOR ANCHORAGE. SEE ELECTRICAL DRAWINGS FOR DATA AND POWER CONNECTIONS.
8. FOR PIPE SUPPORT IN CHILLER YARD, SEE DETAIL 2/M801.

NORTH

PARTIAL MECHANICAL SITE PLAN — 1/8" = 1'-0" — 1

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DRAWING TITLE
PARTIAL MECHANICAL SITE PLAN

PROJECT NO.
23-12499

DRAWING
M100

PLOT DATE: 8/12/2026 3:00:17 PM

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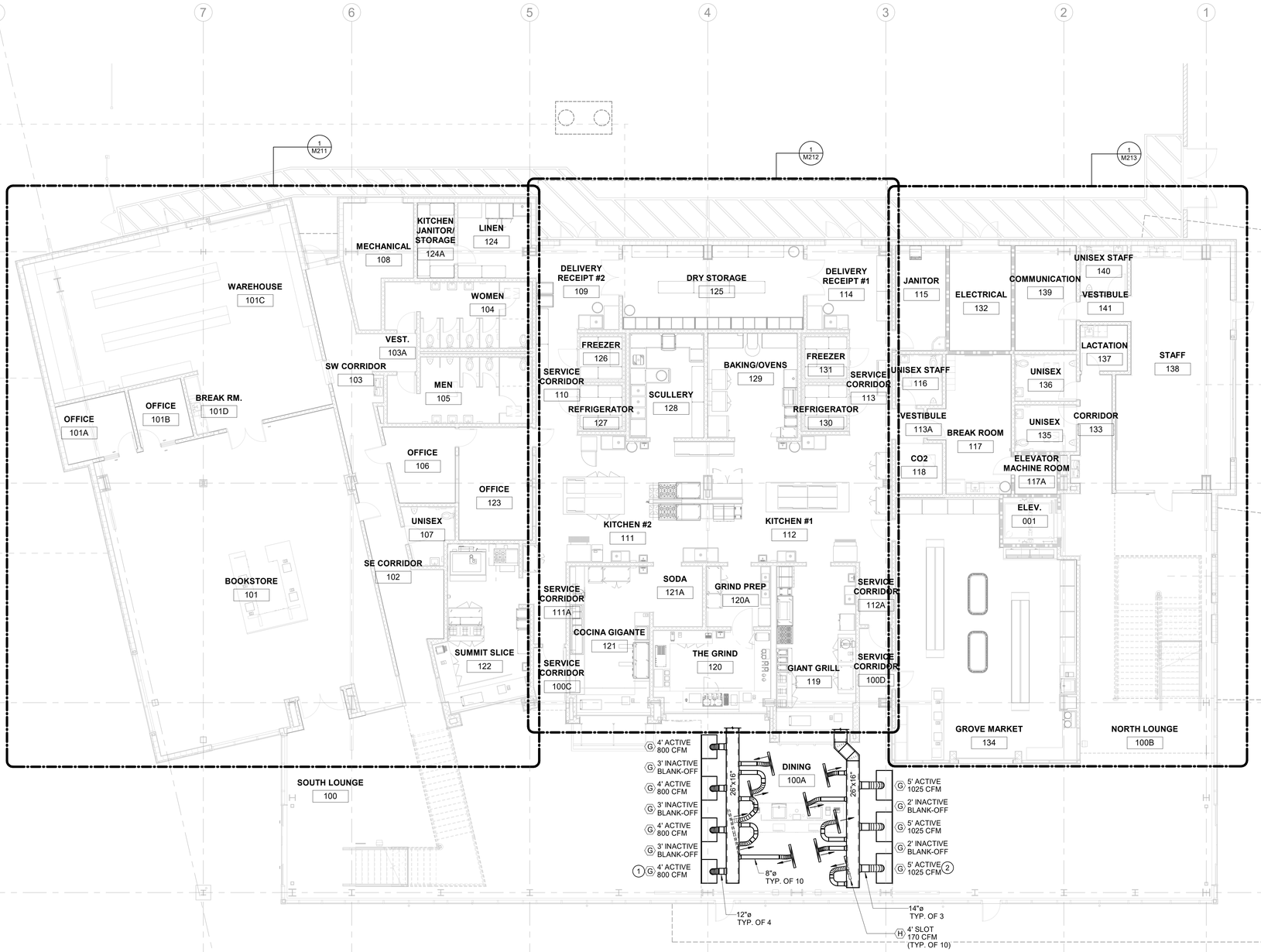

KEYNOTES

1 CONTINUOUS LINEAR 2-SLOT JET THROW DIFFUSER, 25'-0" TOTAL LENGTH, AT 13'-0" AFF TO BOTTOM OF DIFFUSER. SEE PLAN FOR LOCATION OF ACTIVE AND INACTIVE SECTIONS.

2 CONTINUOUS LINEAR 2-SLOT JET THROW DIFFUSER, 19'-0" TOTAL LENGTH, AT 13'-0" AFF TO BOTTOM OF DIFFUSER. SEE PLAN FOR LOCATION OF ACTIVE AND INACTIVE SECTIONS.

NORTH

MECHANICAL FLOOR PLAN - FIRST FLOOR 1/8" = 1'-0" 1

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DRAWING TITLE
MECHANICAL FLOOR PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
M210

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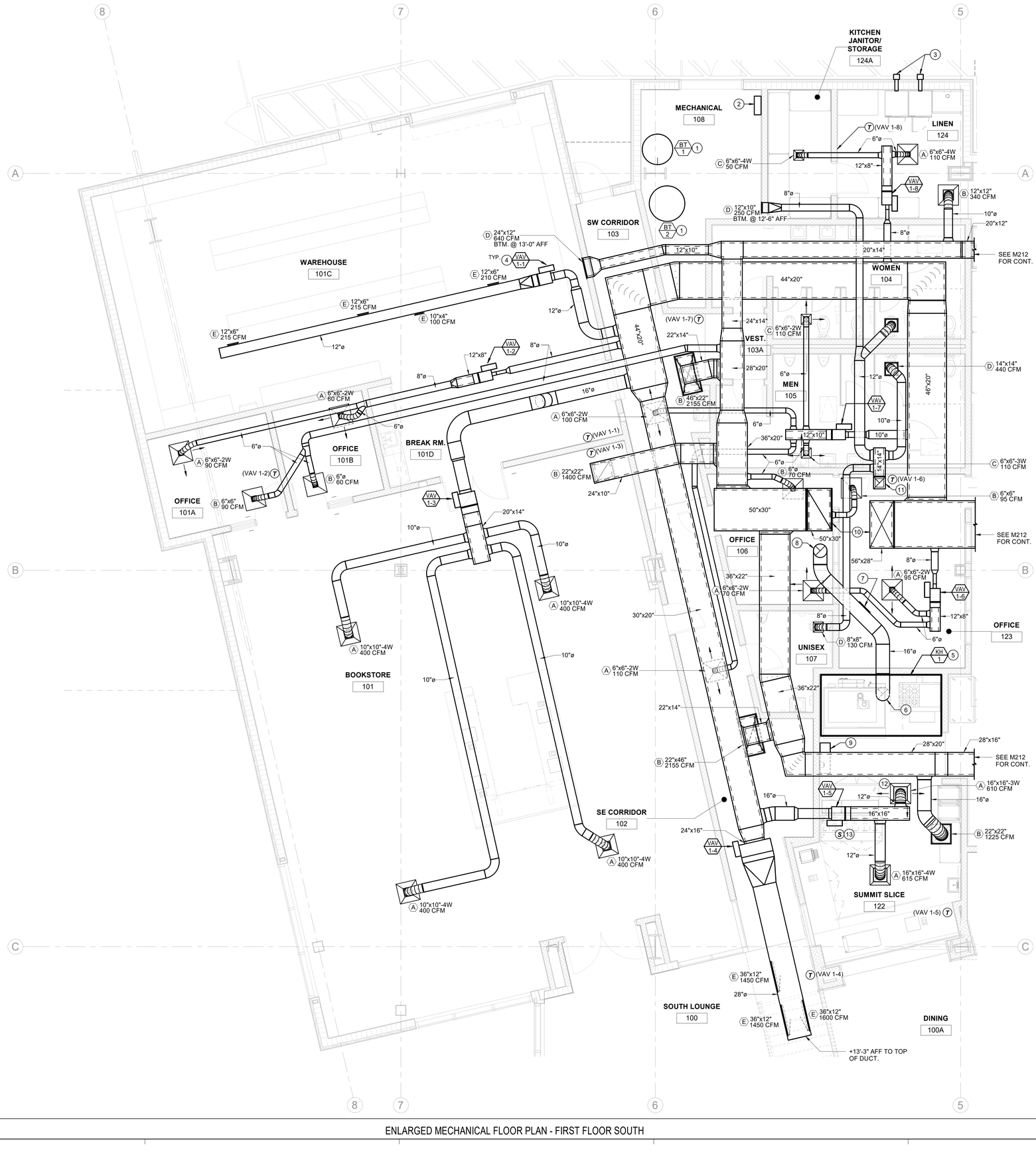

KEYNOTES

1. BUFFER TANK MOUNTED ON CONCRETE HOUSEKEEPING PAD. SEE 15/M800 FOR ANCHORAGE. SEE 1/M802 FOR PIPING DIAGRAM.
2. EMS PANEL. SEE M700 FOR EMS CONTROL DETAILS. SEE ELECTRICAL DRAWINGS FOR DATA AND POWER CONNECTIONS.
3. 4"Ø EXHAUST DUCT THRU WALL AT +48" AFF FOR DRYER VENT. SEE 3/M801 FOR TERMINATION ON EXTERIOR SIDE OF WALL.
4. VAV TERMINAL BOX WITH HOT WATER REHEAT COIL SUSPENDED FROM STRUCTURE ABOVE CEILING. SEE 3/M800 FOR SUPPORT. (TYP.)
5. TYPE 1 KITCHEN HOOD WITH TANK TYPE FIRE SUPPRESSION SYSTEM SUSPENDED FROM STUCTURE. SEE SCHEDULE ON M003 FOR DETAILS. SEE DETAILS 5&30/M803 FOR ANCHORAGE.
6. CONNECT 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT TO KITCHEN HOOD OUTLET AND ROUTE ABOVE CEILING TO DUCT CHASE. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SLOPE HORIZONTAL DUCTWORK AT 2% MIN. TO COMPLY WITH 2022 CMC 510.1.3. SEE 5/M801 FOR SUPPORT.
7. PROVIDE ACCESS PANEL IN SIDE OR TOP OF GREASE DUCT IN CONFORMANCE WITH 2022 CMC 510.3.
8. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT UP IN CHASE TO SECOND FLOOR CEILING. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SEE M221 FOR CONT.
9. KITCHEN HOOD CONTROL AND FIRE SUPPRESSION UTILITY CABINET ON WALL WITH TOP OF CABINET FLUSH WITH CEILING. SEE DETAILS 5&30/M803 FOR ANCHORAGE.
10. SA & RA DUCTS UP IN CHASE TO SECOND FLOOR CEILING. PROVIDE TURNING VANES AT BOTTOM ELBOW. SEE M221 FOR CONT.
11. EA DUCT UP IN CHASE TO SECOND FLOOR CEILING. SEE M221 FOR CONT.
12. CEILING SUPPLY REGISTERS SHALL NOT THROW IN THE DIRECTION OF ADJACENT KITCHEN HOODS. PROVIDE THROW DIRECTIONS AS INDICATED ON PLAN.
13. INSTALL ROOM PRESSURE SENSOR IN T-BAR CEILING. SEE M700 FOR EMS CONTROL DETAILS.

GENERAL NOTES

A. SEE DETAIL 21/M800 FOR TYPICAL CEILING GRILLE.
B. SEE DETAIL 23/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS LESS THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
C. SEE DETAIL 29/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS GREATER THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
D. SEE 4/M801 FOR TYPICAL DUCT SUPPORTS FOR EXPOSED DUCTWORK.
E. SEE DETAIL 22/M800 FOR TYPICAL BRANCH DUCT DETAILS.
F. MOUNT THERMOSTATS AT +44" AFF TO TOP OF BOX.
G. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING IS SHOWN OR SPECIFIED, INCREASE FABRICATED DUCT DIMENSIONS TO ACCOMODATE.

ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR SOUTH

1/4" = 1'-0" | 1

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DRAWING TITLE
ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
M211

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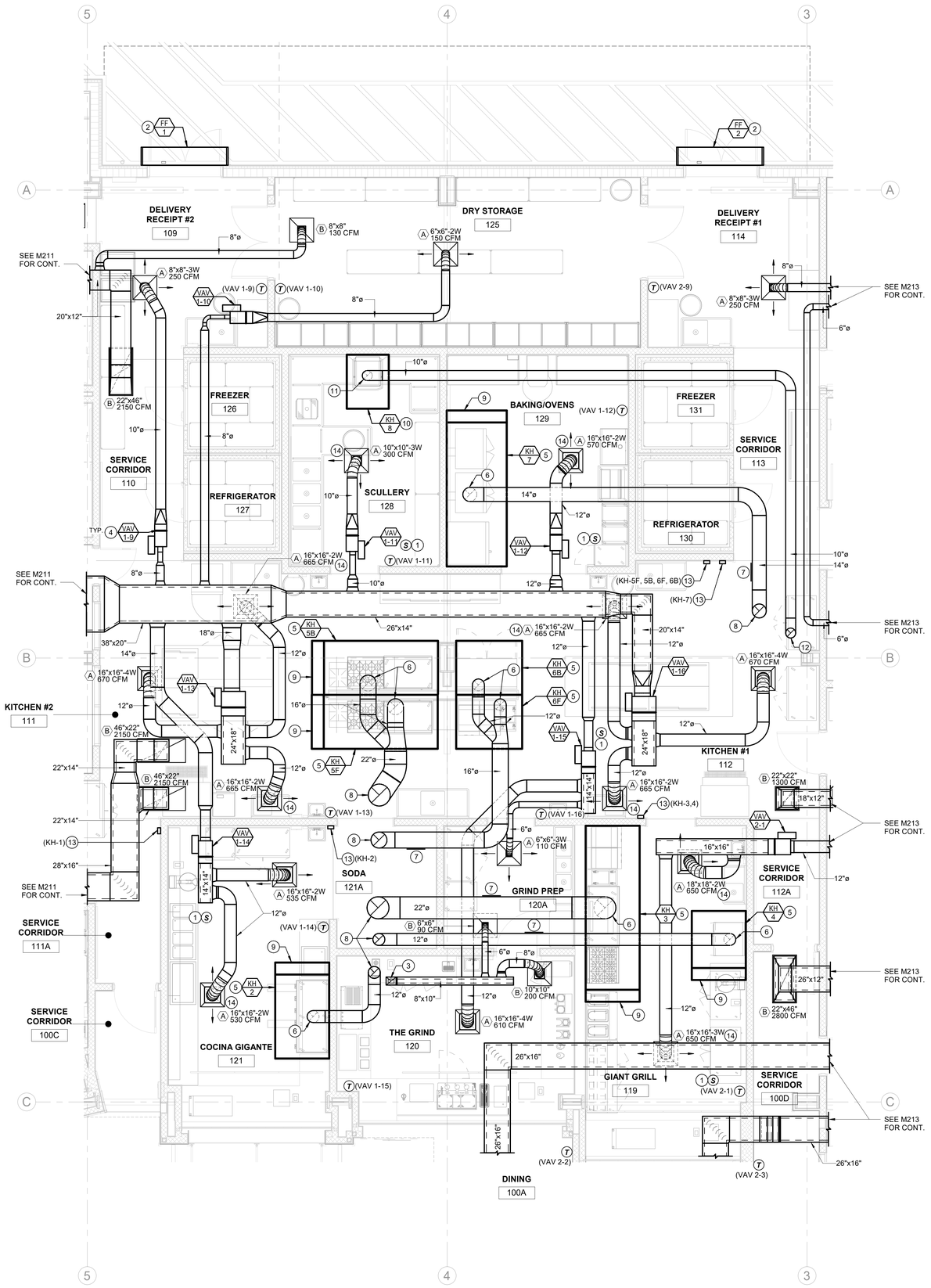

KEYNOTES

1. INSTALL ROOM PRESSURE SENSOR IN T-BAR CEILING. SEE M700 FOR EMS CONTROL DETAILS.
2. FLY FAN MOUNTED ABOVE DOOR. SEE 25/A811 & 24/S005 FOR DETAIL.
3. EA DUCT UP IN CHASE TO SECOND FLOOR CEILING. SEE M222 FOR CONT.
4. VAV TERMINAL BOX WITH HOT WATER REHEAT COIL SUSPENDED FROM STRUCTURE ABOVE CEILING. SEE 3/M800 FOR SUPPORT. (TYP.)
5. TYPE 1 KITCHEN HOOD WITH TANK TYPE FIRE SUPPRESSION SYSTEM SUSPENDED FROM STUCTURE. SEE SCHEDULE ON M003 FOR DETAILS. SEE DETAIL 30/M803 & SHEETS M804, M805, M806, & M807 FOR ANCHORAGE.
6. CONNECT 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT TO KITCHEN HOOD OUTLET AND ROUTE ABOVE CEILING TO DUCT CHASE. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SLOPE HORIZONTAL DUCTWORK TOWARDS HOOD AT 2% MIN. TO COMPLY WITH 2022 CMC 510.1.3. SEE 5/M801 FOR SUPPORT.
7. PROVIDE ACCESS PANEL IN SIDE OR TOP OF GREASE DUCT IN CONFORMANCE WITH 2022 CMC 510.3.
8. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT UP IN CHASE TO SECOND FLOOR CEILING. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SEE M222 FOR CONT.
9. KITCHEN HOOD CONTROL AND FIRE SUPPRESSION UTILITY CABINET ON SIDE OF HOOD.
10. TYPE 2 DISHWASHER HOOD SUSPENDED FROM STRUCTURE. SEE SCHEDULE ON M003 FOR DETAILS. SEE DETAILS 30/M803 & 2/M807 FOR ANCHORAGE.
11. CONNECT 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT TO KITCHEN HOOD OUTLET AND ROUTE ABOVE CEILING TO DUCT CHASE. SLOPE HORIZONTAL DUCTWORK TOWARDS HOOD AT 2% MIN.
12. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT UP IN CHASE TO SECOND FLOOR CEILING. SEE M222 FOR CONT.
13. KITCHEN HOOD FIRE SUPPRESSION SYSTEM MANUAL ACTIVATION DEVICE. MOUNT AT +44" AFF MAX TO TOP OF BOX. PROVIDE PERMANENT LABEL WITH CORRESPONDING KITCHEN HOOD IDENTIFICATION. SEE 29/M803 FOR DETAIL.
14. CEILING SUPPLY REGISTERS SHALL NOT THROW DIRECTLY TOWARDS ADJACENT KITCHEN HOODS. PROVIDE THROW DIRECTIONS AS INDICATED ON PLAN.

GENERAL NOTES

A. SEE DETAIL 21/M800 FOR TYPICAL CEILING GRILLE.
B. SEE DETAIL 23/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS LESS THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
C. SEE DETAIL 29/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS GREATER THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
D. SEE 4/M801 FOR TYPICAL DUCT SUPPORTS FOR EXPOSED DUCTWORK.
E. SEE DETAIL 22/M800 FOR TYPICAL BRANCH DUCT DETAILS.
F. MOUNT THERMOSTATS AT +44" AFF TO TOP OF BOX.
G. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING IS SHOWN OR SPECIFIED, INCREASE FABRICATED DUCT DIMENSIONS TO ACCOMODATE.

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DRAWING TITLE
ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
M212

ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR KITCHEN AREA

1/4" = 1'-0" | 1

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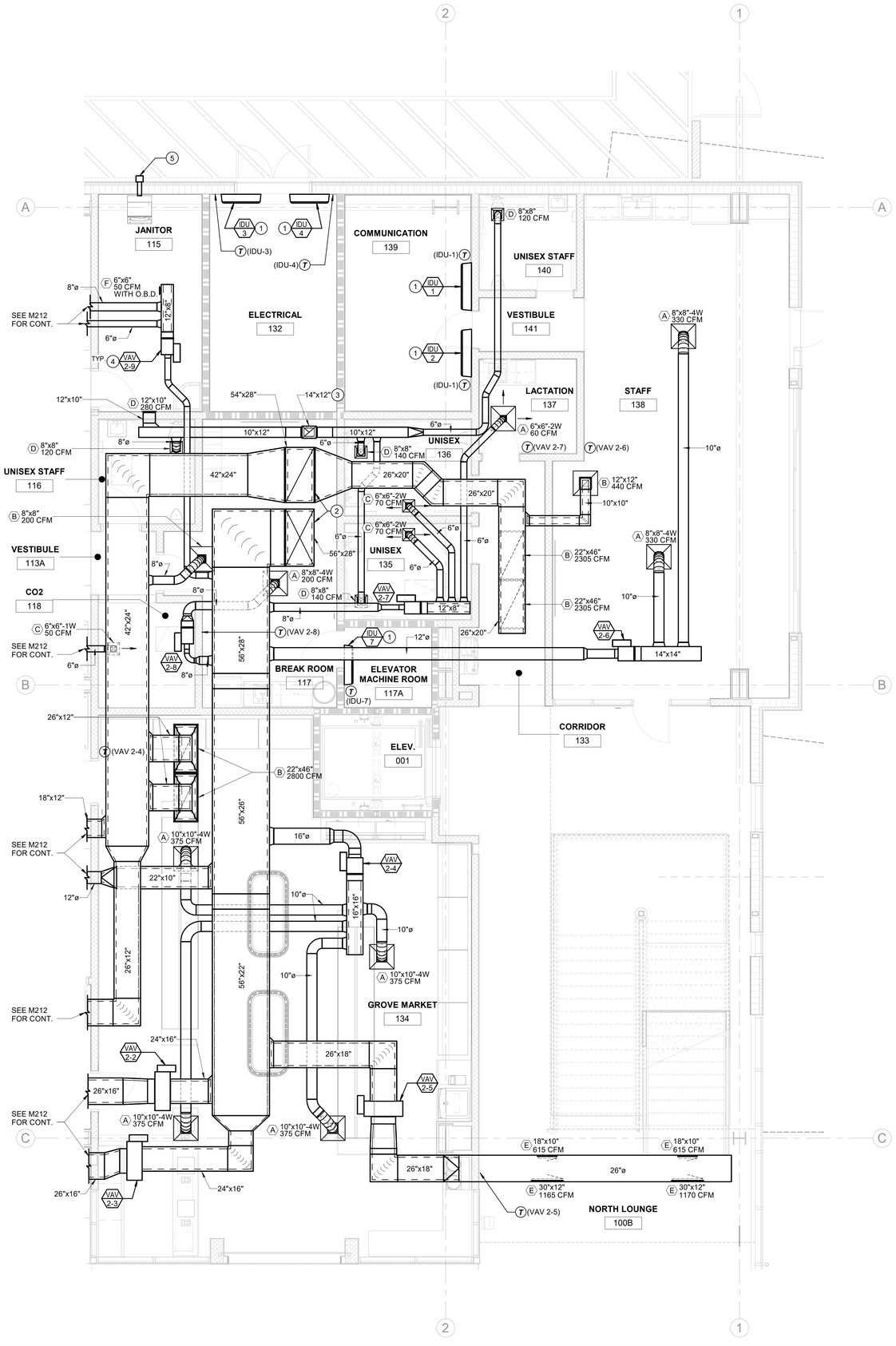

KEYNOTES

1. WALL MOUNTED FAN COIL ABOVE DOOR. SEE 4/M800 FOR ANCHORAGE.
2. SA & RA DUCTS UP IN CHASE TO SECOND FLOOR CEILING. PROVIDE TURNING VANES AT BOTTOM ELBOW. SEE M223 FOR CONT.
3. EA DUCT UP IN CHASE TO SECOND FLOOR CEILING. SEE M223 FOR CONT.
4. VAV TERMINAL BOX WITH HOT WATER REHEAT COIL SUSPENDED FROM STRUCTURE ABOVE CEILING. SEE 3/M800 FOR SUPPORT. (TYP.)
5. 4"Ø EXHAUST DUCT THRU WALL AT +36" AFF FOR DRYER VENT. SEE 3/M801 FOR TERMINATION ON EXTERIOR SIDE OF WALL.

GENERAL NOTES

A. SEE DETAIL 21/M800 FOR TYPICAL CEILING GRILLE.
B. SEE DETAIL 23/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS LESS THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
C. SEE DETAIL 29/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS GREATER THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
D. SEE 4/M801 FOR TYPICAL DUCT SUPPORTS FOR EXPOSED DUCTWORK.
E. SEE DETAIL 22/M800 FOR TYPICAL BRANCH DUCT DETAILS.
F. MOUNT THERMOSTATS AT +44" AFF TO TOP OF BOX.
G. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING IS SHOWN OR SPECIFIED, INCREASE FABRICATED DUCT DIMENSIONS TO ACCOMODATE.

ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR NORTH

1/4" = 1'-0" | 1

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
ENLARGED MECHANICAL FLOOR PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
M213

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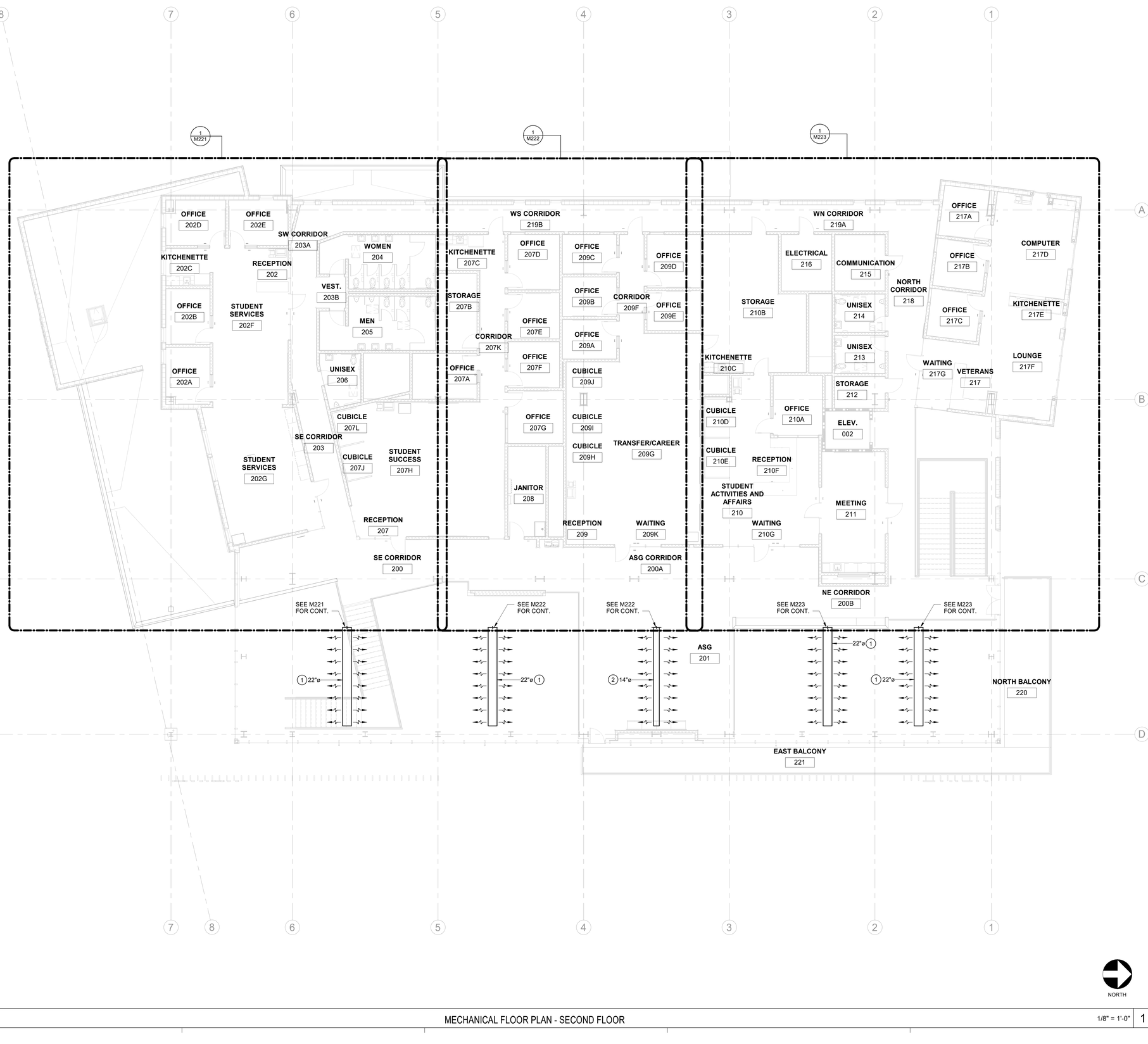
KEYNOTES

1 22"Ø ROUND DUCT SOX SUSPENDED BELOW ROOF DECK WITH SEDONA-XM POROUS FABRIC AND FTS INTERNAL FABRIC TENSIONING SYSTEM. SIZE 2 ORIFICES AT 3,4,5,7,8,&9 O'CLOCK. 4,150 CFM TOTAL SUPPLY. SEE 17/M801 FOR SUPPORT AND 22/M801 FOR INLET.

2 14"Ø ROUND DUCT SOX SUSPENDED BELOW ROOF DECK WITH SEDONA-XM POROUS FABRIC AND FTS INTERNAL FABRIC TENSIONING SYSTEM. SIZE 15 LINEAR VENTS AT 4 O'CLOCK AND 8 O'CLOCK.1,000 CFM TOTAL SUPPLY. SEE 17/M801 FOR SUPPORT AND 22/M801 FOR INLET.



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MECHANICAL FLOOR PLAN - SECOND FLOOR

1/8" = 1'-0" | 1

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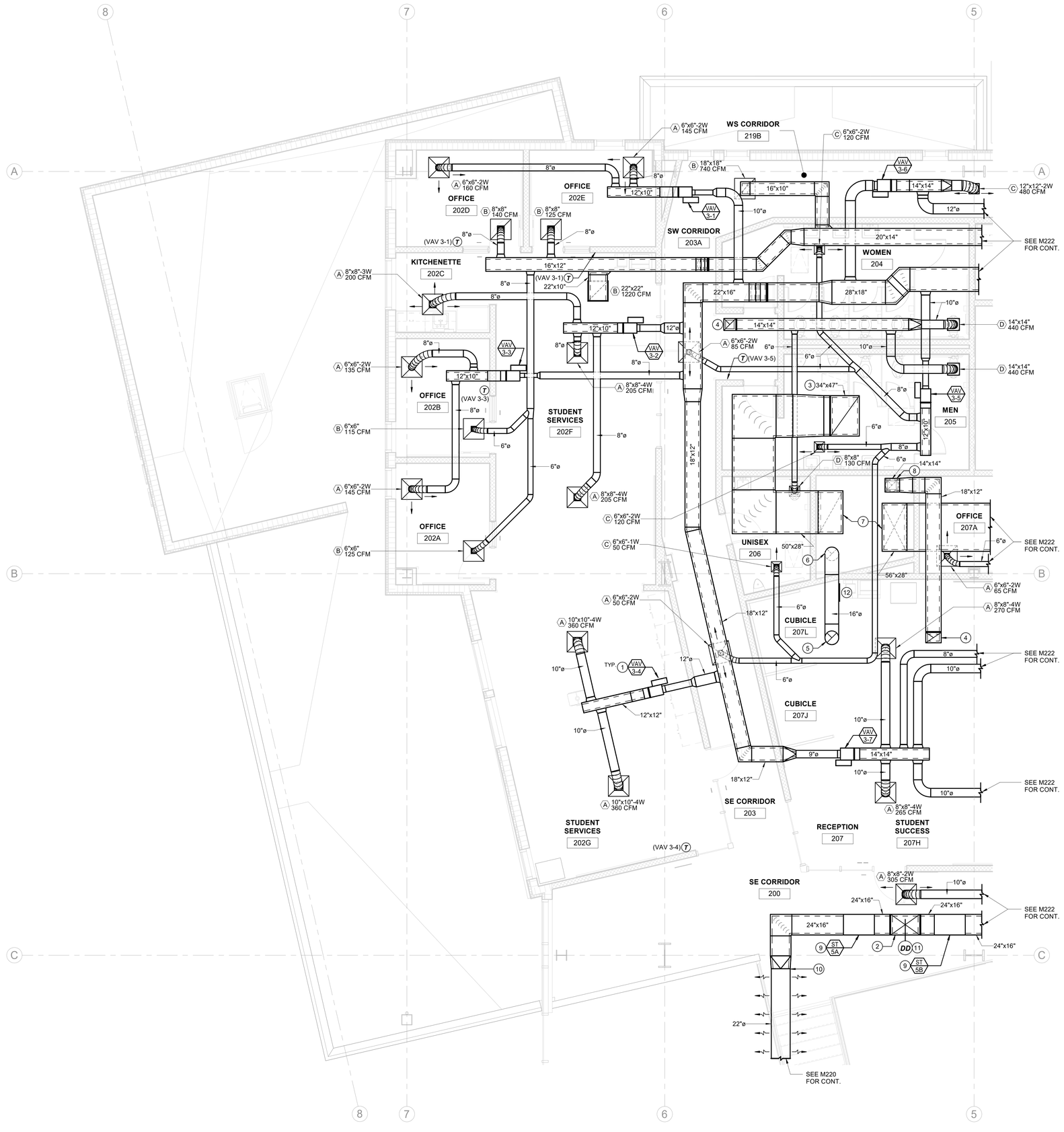
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
MECHANICAL FLOOR PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
M220



KEYNOTES

1. VAV TERMINAL BOX WITH HOT WATER REHEAT COIL SUSPENDED FROM STRUCTURE ABOVE CEILING. SEE 3/M800 FOR SUPPORT. (TYP.)
2. SA DUCT DOWN FROM AIR HANDLER ON ROOF. PROVIDE TURNING VANES AT ELBOW. SEE M500 FOR CONT.
3. RA DUCT DOWN FROM AIR HANDLER ON ROOF. PROVIDE TURNING VANES AT ELBOW. SEE M500 FOR CONT.
4. EA DUCT DOWN FROM EXHAUST FAN ON ROOF. SEE M500 FOR CONT.
5. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT DOWN FROM KITCHEN EXHAUST FAN ON ROOF. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SLOPE HORIZONTAL DUCTWORK TOWARDS HOOD AT 2% MIN. TO COMPLY WITH 2022 CMC 510.1.3. SEE 5/M801 FOR SUPPORT. SEE M500 FOR CONT.
6. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT DOWN IN CHASE TO FIRST FLOOR. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SEE M211 FOR CONT.
7. SA & RA DUCTS DOWN IN CHASE TO FIRST FLOOR. PROVIDE TURNING VANES AT TOP ELBOW. SEE M211 FOR CONT.
8. EA DUCT DOWN IN CHASE TO FIRST FLOOR. SEE M211 FOR CONT.
9. SOUND TRAP MOUNTED IN SA DUCTWORK. SEE 7/M801 FOR SUPPORT.
10. TRANSITION FROM METAL DUCT TO FABRIC DUCT AT EDGE OF SOFFIT PER DETAIL 22/M801. SEE M220 FOR FABRIC DUCT DETAILS.
11. DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT DROP FROM UNIT. SEE 27/M800 FOR DETAIL. SEE ELECTRICAL DRAWINGS FOR UNIT SHUTDOWN WIRING.
12. PROVIDE ACCESS PANEL IN SIDE OR TOP OF GREASE DUCT IN CONFORMANCE WITH 2022 CMC 510.3.

GENERAL NOTES

A. SEE DETAIL 21/M800 FOR TYPICAL CEILING GRILLE.
B. SEE DETAIL 23/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS LESS THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
C. SEE DETAIL 29/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS GREATER THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
D. SEE 4/M801 FOR TYPICAL DUCT SUPPORTS FOR EXPOSED DUCTWORK.
E. SEE DETAIL 22/M800 FOR TYPICAL BRANCH DUCT DETAILS.
F. MOUNT THERMOSTATS AT +44" AFF TO TOP OF BOX.
G. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING IS SHOWN OR SPECIFIED, INCREASE FABRICATED DUCT DIMENSIONS TO ACCOMODATE.

ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR SOUTH

1/4" = 1'-0" | 1

PLOT DATE: 8/12/2026 3:00:34 PM

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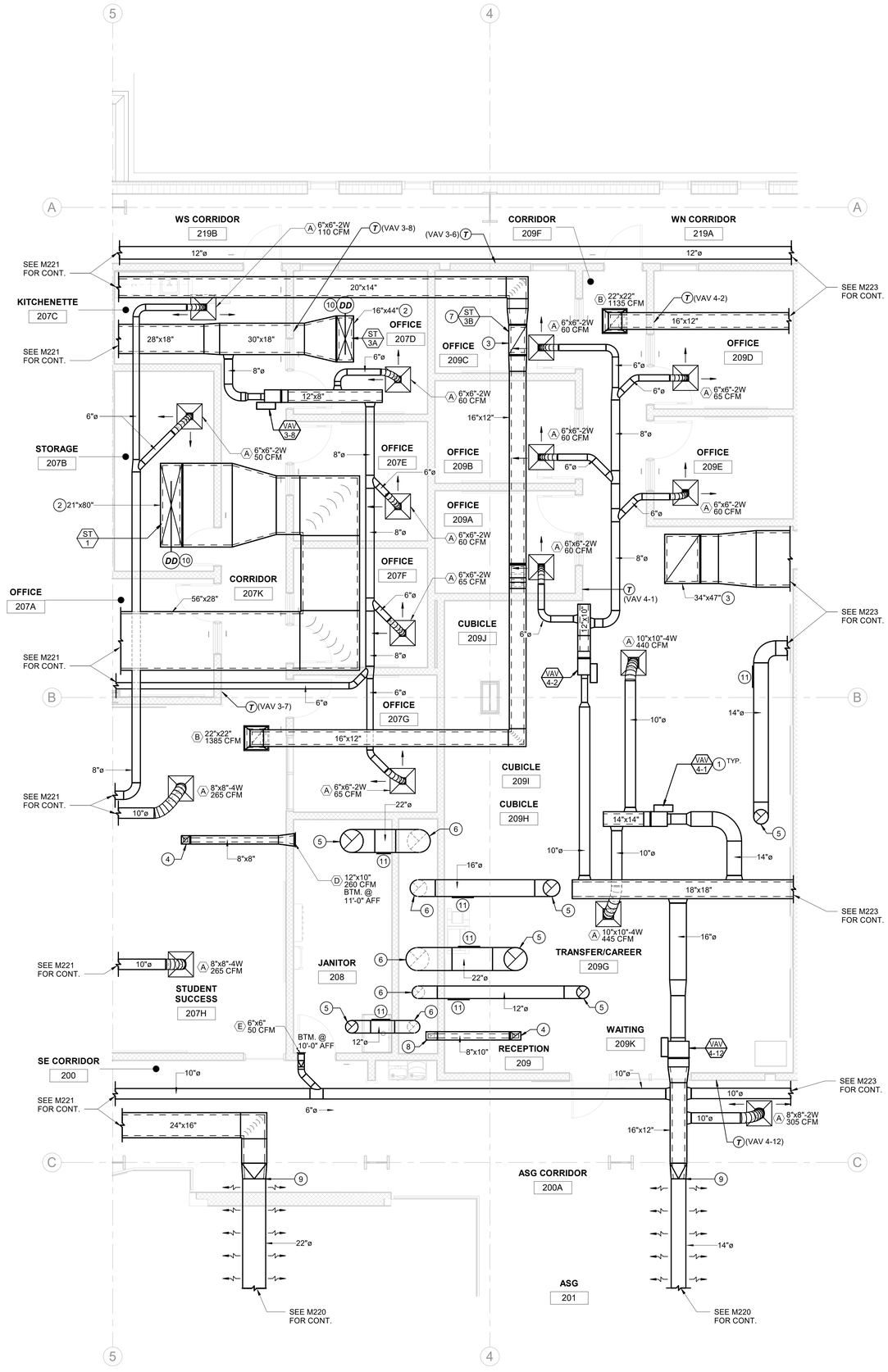
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
M221



KEYNOTES

1. VAV TERMINAL BOX WITH HOT WATER REHEAT COIL SUSPENDED FROM STRUCTURE ABOVE CEILING. SEE 3/M800 FOR SUPPORT. (TYP.)
2. SA DUCT DOWN FROM AIR HANDLER ON ROOF WITH ELBOW SOUND TRAP. SEE 6/M801 FOR SOUND TRAP SUPPORT. SEE M500 FOR CONT.
3. RA DUCT DOWN FROM AIR HANDLER ON ROOF. PROVIDE TURNING VANES AT ELBOW. SEE M500 FOR CONT.
4. EA DUCT DOWN FROM EXHAUST FAN ON ROOF. SEE M500 FOR CONT.
5. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT DOWN FROM KITCHEN EXHAUST FAN ON ROOF. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SLOPE HORIZONTAL DUCTWORK TOWARDS HOOD AT 2% MIN. TO COMPLY WITH 2022 CMC 510.1.3. SEE 5/M801 FOR SUPPORT. SEE M500 FOR CONT.
6. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT DOWN IN CHASE TO FIRST FLOOR. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SEE M212 FOR CONT.
7. SOUND TRAP MOUNTED IN RA DUCT RISER. SEE 8/M801 FOR SUPPORT.
8. EA DUCT DOWN IN CHASE TO FIRST FLOOR. SEE M212 FOR CONT.
9. TRANSITION FROM METAL DUCT TO FABRIC DUCT AT EDGE OF SOFFIT PER DETAIL 22/M801. SEE M220 FOR FABRIC DUCT DETAILS.
10. DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT DROP FROM UNIT. SEE 27/M800 FOR DETAIL. SEE ELECTRICAL DRAWINGS FOR UNIT SHUTDOWN WIRING.
11. PROVIDE ACCESS PANEL IN SIDE OR TOP OF GREASE DUCT IN CONFORMANCE WITH 2022 CMC 510.3.

GENERAL NOTES

A. SEE DETAIL 21/M800 FOR TYPICAL CEILING GRILLE.
B. SEE DETAIL 23/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS LESS THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
C. SEE DETAIL 29/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS GREATER THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
D. SEE 4/M801 FOR TYPICAL DUCT SUPPORTS FOR EXPOSED DUCTWORK.
E. SEE DETAIL 22/M800 FOR TYPICAL BRANCH DUCT DETAILS.
F. MOUNT THERMOSTATS AT +44" AFF TO TOP OF BOX.
G. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING IS SHOWN OR SPECIFIED, INCREASE FABRICATED DUCT DIMENSIONS TO ACCOMODATE.

NORTH

ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR CENTRAL AREA

1/4" = 1'-0" | 1

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DRAWING TITLE
ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
M222

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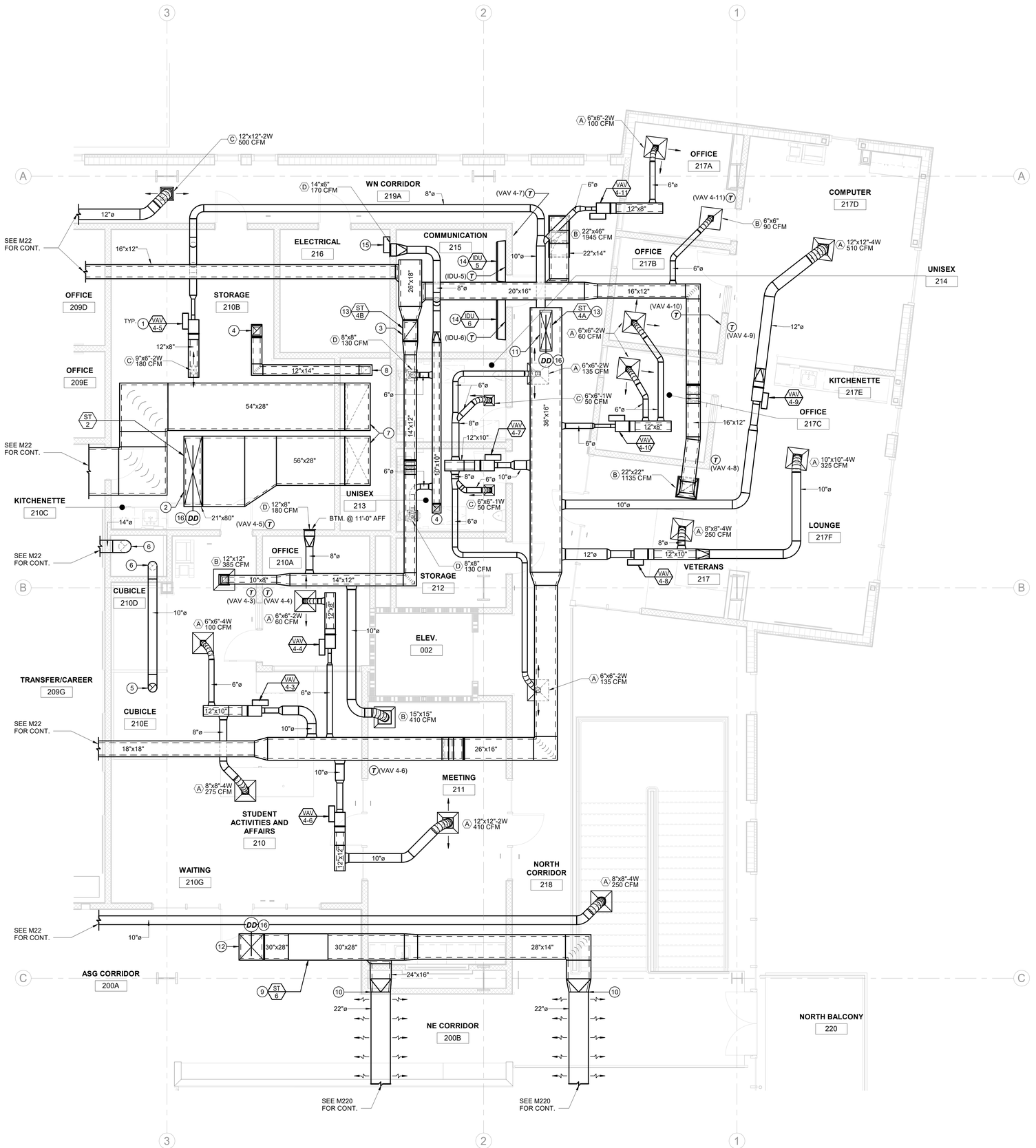

KEYNOTES

1. VAV TERMINAL BOX WITH HOT WATER REHEAT COIL SUSPENDED FROM STRUCTURE ABOVE CEILING. SEE 3/M800 FOR SUPPORT. (TYP.)
2. SA DUCT DOWN FROM AIR HANDLER ON ROOF WITH ELBOW SOUND TRAP. SEE 6/M801 FOR SOUND TRAP SUPPORT. SEE M500 FOR CONT.
3. RA DUCT DOWN FROM AIR HANDLER ON ROOF. PROVIDE TURNING VANES AT ELBOW. SEE M500 FOR CONT.
4. EA DUCT DOWN FROM EXHAUST FAN ON ROOF. SEE M500 FOR CONT.
5. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT DOWN FROM KITCHEN EXHAUST FAN ON ROOF. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SLOPE HORIZONTAL DUCTWORK TOWARDS HOOD AT 2% MIN. TO COMPLY WITH 2022 CMC 510.1.3. SEE 5/M801 FOR SUPPORT. SEE M500 FOR CONT.
6. 16 GA. WELDED STAINLESS STEEL EXHAUST DUCT DOWN IN CHASE TO FIRST FLOOR. PROVIDE FIRE WRAP ON DUCT PER DETAILS 17,18,20&25/M800. SEE M212 FOR CONT.
7. SA & RA DUCTS DOWN IN CHASE TO FIRST FLOOR. PROVIDE TURNING VANES AT TOP ELBOW. SEE M213 FOR CONT.
8. EA DUCT DOWN IN CHASE TO FIRST FLOOR. SEE M213 FOR CONT.
9. SOUND TRAP MOUNTED IN SA DUCTWORK. SEE 7/M801 FOR SUPPORT.
10. TRANSITION FROM METAL DUCT TO FABRIC DUCT AT EDGE OF SOFFIT PER DETAIL 22/M801. SEE M220 FOR FABRIC DUCT DETAILS.
11. SA DUCT DOWN FROM AIR HANDLER ON ROOF. SEE M500 FOR CONT.
12. SA DUCT DOWN FROM AIR HANDLER ON ROOF. PROVIDE TURNING VANES AT ELBOW. SEE M500 FOR CONT.
13. SOUND TRAP MOUNTED IN SA OR RA DUCT RISER. SEE 8/M801 FOR SUPPORT.
14. WALL MOUNTED FAN COIL ABOVE DOOR. SEE 4/M800 FOR ANCHORAGE.
15. EMS PANEL. SEE M700 FOR EMS CONTROL DETAILS. SEE ELECTRICAL DRAWINGS FOR DATA AND POWER CONNECTIONS.
16. DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT DROP FROM UNIT. SEE 27/M800 FOR DETAIL. SEE ELECTRICAL DRAWINGS FOR UNIT SHUTDOWN WIRING.

GENERAL NOTES

A. SEE DETAIL 21/M800 FOR TYPICAL CEILING GRILLE.
B. SEE DETAIL 23/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS LESS THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
C. SEE DETAIL 29/M800 FOR TYPICAL DUCT SUPPORTS FOR DUCTS GREATER THAN 6 SQUARE FEET CROSS SECTIONAL AREA.
D. SEE 4/M801 FOR TYPICAL DUCT SUPPORTS FOR EXPOSED DUCTWORK.
E. SEE DETAIL 22/M800 FOR TYPICAL BRANCH DUCT DETAILS.
F. MOUNT THERMOSTATS AT +44" AFF TO TOP OF BOX.
G. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING IS SHOWN OR SPECIFIED, INCREASE FABRICATED DUCT DIMENSIONS TO ACCOMODATE.

ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR NORTH

1/4" = 1'-0" | 1

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED MECHANICAL FLOOR PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
M223

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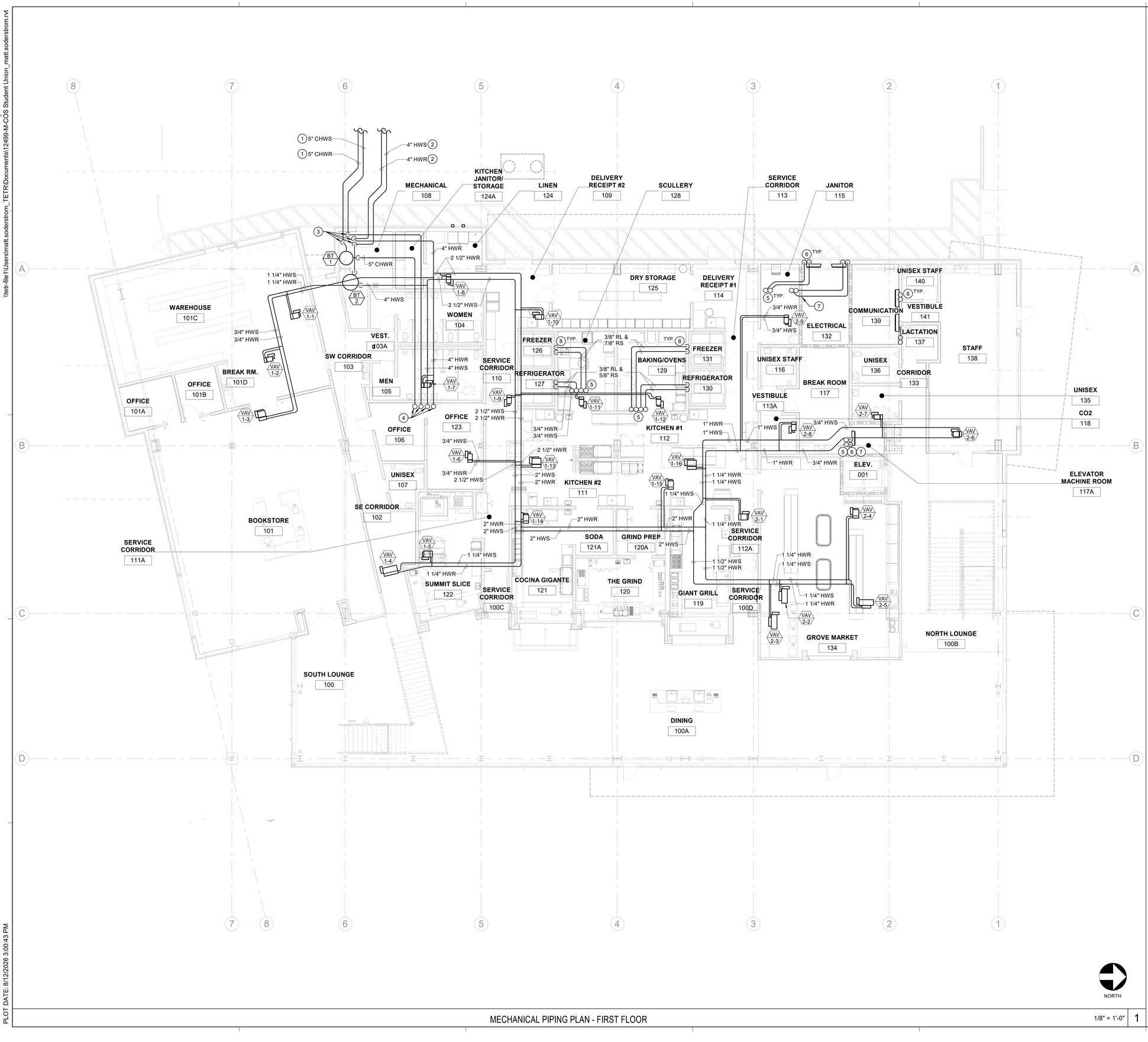

KEYNOTES

1. 5" CHILLED WATER SUPPLY & RETURN PIPING BELOW GRADE. SEE M100 FOR CONT.
2. 4" HEATING HOT WATER SUPPLY & RETURN PIPING BELOW GRADE. SEE M100 FOR CONT.
3. CHWS, CHWR, HWS, & HWR UP FROM BEL. GR. AND ROUTE OVERHEAD IN MECHANICAL ROOM.
4. 5" CHWS, 5" CHWR, 4" HWS, & 4" HWR UP IN CHASE TO SECOND FLOOR CEILING. SEE M320 FOR CONT.
5. REFRIGERANT PIPING DOWN FROM SECOND FLOOR AND OFFSET ABOVE FIRST FLOOR CEILING. (TYP.)
6. REFRIGERANT PIPING DOWN IN WALL AND CONNECT TO WALL MOUNTED FAN COIL. (TYP.)
7. SEE 5&10/A870 FOR PIPE PENETRATIONS THRU FIRE RATED WALLS.
8. REFRIGERANT PIPING DOWN IN WALL AND CONNECT TO WALK-IN COOLER EVAPORATOR. (TYP.)

GENERAL NOTES

A. SEE DETAILS 13&15/M801 FOR TYPICAL PIPE SUPPORTS.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
MECHANICAL PIPING PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
M310

MECHANICAL PIPING PLAN - FIRST FLOOR

1/8" = 1'-0" | 1

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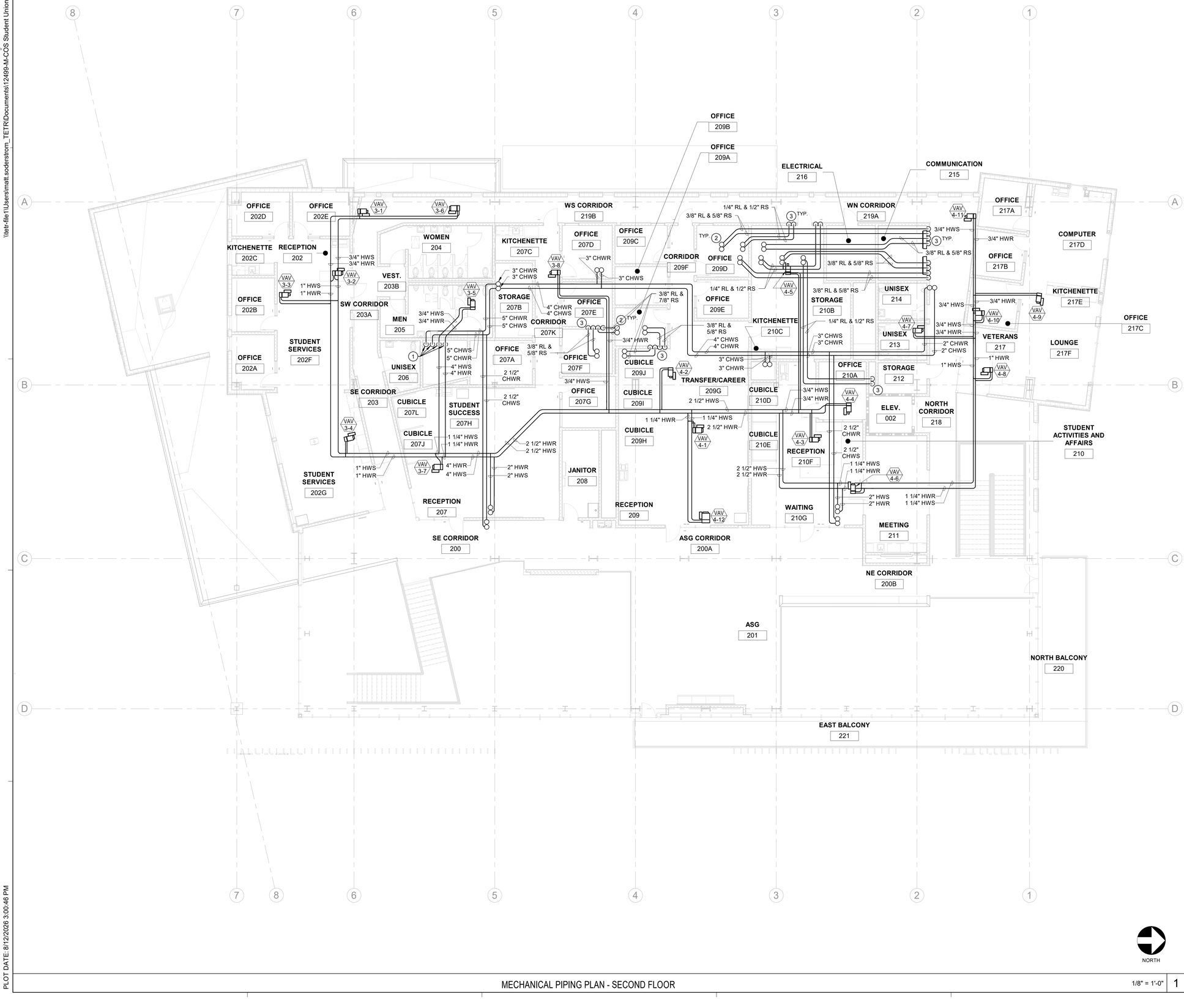

KEYNOTES

1. 5" CHWS, 5" CHWR, 4" HWS, & 4" HWR UP FROM FIRST FLOOR. SEE M310 FOR CONT.
2. REFRIGERANT PIPING DOWN FROM ROOF AND OFFSET ABOVE SECOND FLOOR CEILING. (TYP.)
3. REFRIGERANT PIPING DOWN IN WALL. (TYP.)

GENERAL NOTES

A. SEE DETAILS 13&15/M801 FOR TYPICAL PIPE SUPPORTS.

MECHANICAL PIPING PLAN - SECOND FLOOR — 1/8" = 1'-0" — 1

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DRAWING TITLE
MECHANICAL PIPING PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
M320

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KEYNOTES

1. VAV AIR HANDLER ON VIBRATION ISOLATION CURB. SEE DETAIL 1/M800 FOR ANCHORAGE.
2. CONDENSING UNIT ON EQUIPMENT PLATFORM. SEE 5/M800 FOR ANCHORAGE. SEE M310 & M320 FOR REFRIGERANT PIPING WITHIN BUILDING.
3. KITCHEN EXHAUST FAN ON HINGED VENTED CURB. SEE 10/M800 FOR ANCHORAGE.
4. EXHAUST FAN ON EQUIPMENT CURB. SEE 9/M800 FOR ANCHORAGE.
5. COLD BOX CONDENSING UNIT ON EQUIPMENT PLATFORM. SEE ARCHITECTURAL FOR CONDENSING UNIT DETAILS. SEE 16/M800 FOR ANCHORAGE. SEE M310 & M320 FOR REFRIGERANT PIPING WITHIN BUILDING.

MECHANICAL ROOF PLAN — 1/8" = 1'-0" — 1

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DRAWING TITLE
MECHANICAL ROOF PLAN

PROJECT NO.
23-12499

DRAWING
M500

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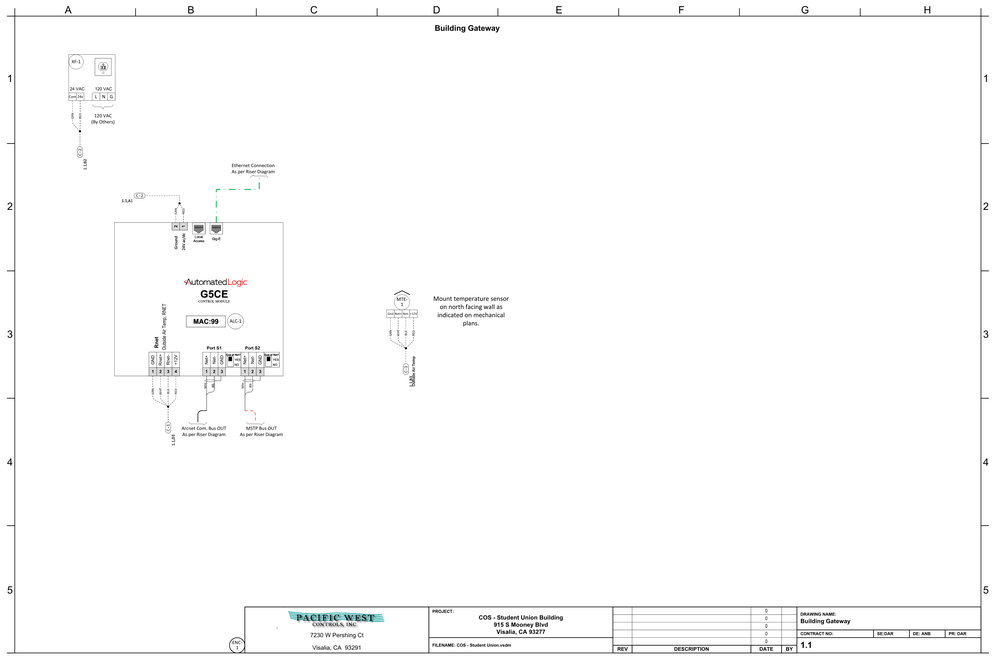
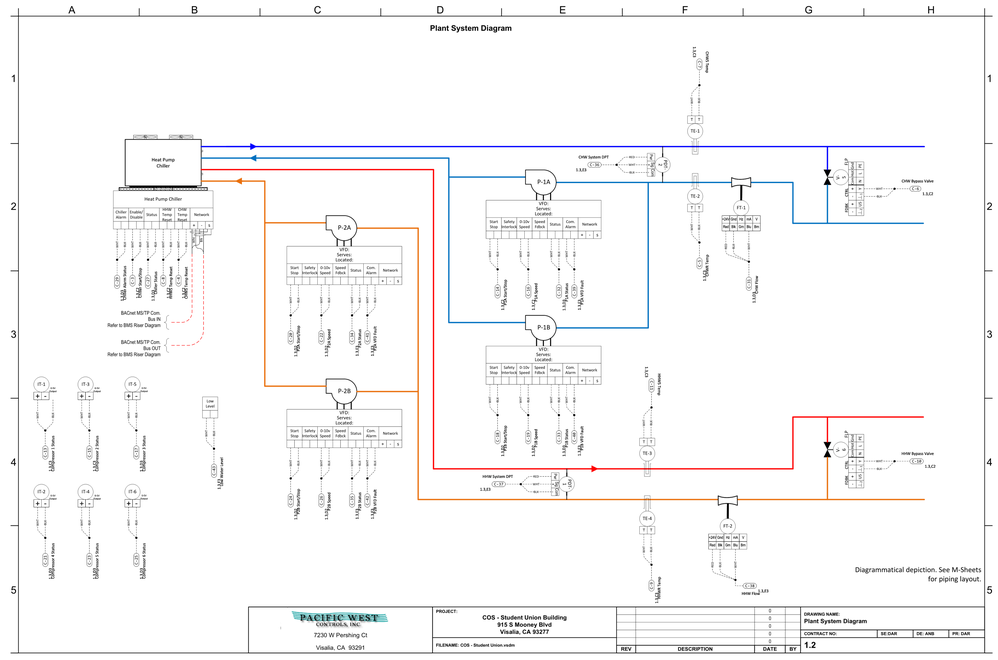
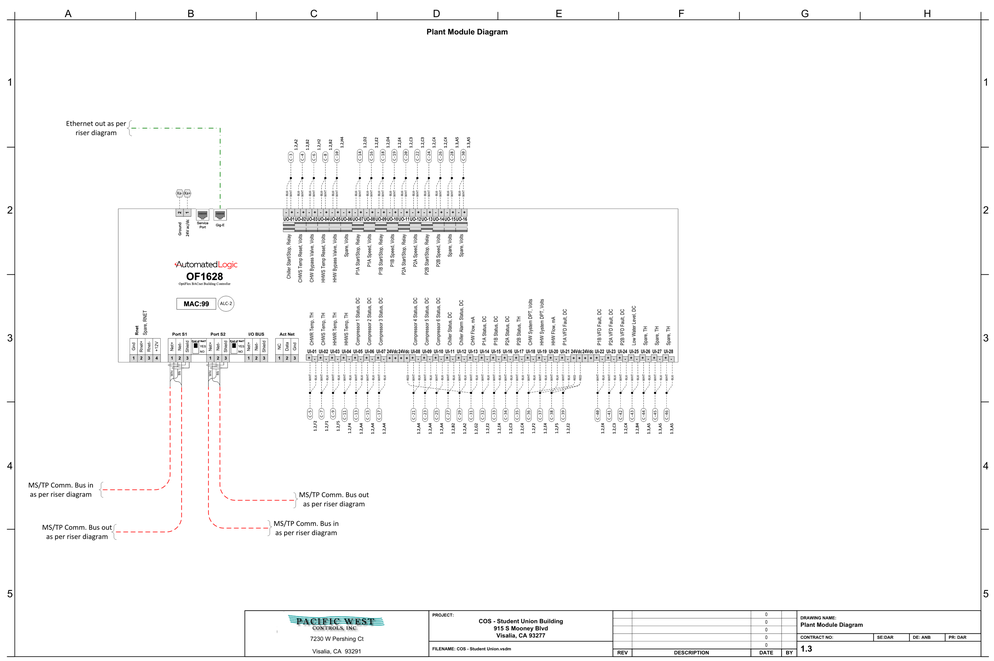
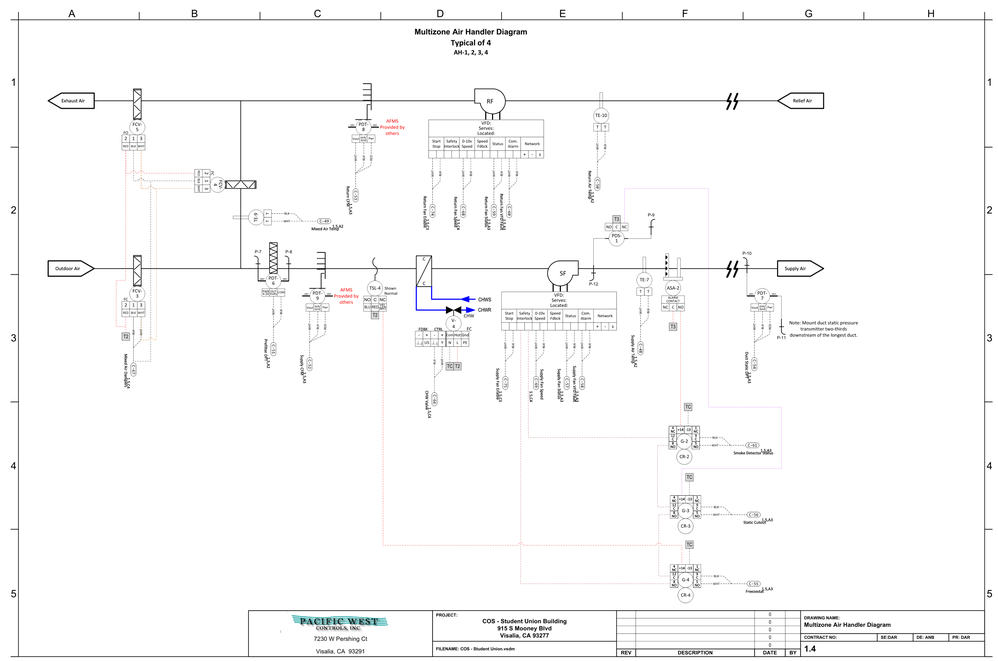
CONTROLS DETAILS









PACIFIC WEST CONTROLS, INC.
7230 W Pershing Ct
Visalia, CA 93291

PROJECT:	COS - Student Union Building 915 S Mooney Blvd Visalia, CA 93277	DRAWING NAME:	Building Gateway
FILENAME: COS - Student Union.vsdm		CONTRACT NO:	SE:DAR / DE: ANB / PR: DAR
		DRAWING:	1.1

REV	DESCRIPTION	DATE	BY
0			

PACIFIC WEST CONTROLS, INC.
7230 W Pershing Ct
Visalia, CA 93291

PROJECT:	COS - Student Union Building 915 S Mooney Blvd Visalia, CA 93277	DRAWING NAME:	Plant System Diagram
FILENAME: COS - Student Union.vsdm		CONTRACT NO:	SE:DAR / DE: ANB / PR: DAR
		DRAWING:	1.2

REV	DESCRIPTION	DATE	BY
0			

PACIFIC WEST CONTROLS, INC.
7230 W Pershing Ct
Visalia, CA 93291

PROJECT:	COS - Student Union Building 915 S Mooney Blvd Visalia, CA 93277	DRAWING NAME:	Plant Module Diagram
FILENAME: COS - Student Union.vsdm		CONTRACT NO:	SE:DAR / DE: ANB / PR: DAR
		DRAWING:	1.3

REV	DESCRIPTION	DATE	BY
0			

PACIFIC WEST CONTROLS, INC.
7230 W Pershing Ct
Visalia, CA 93291

PROJECT:	COS - Student Union Building 915 S Mooney Blvd Visalia, CA 93277	DRAWING NAME:	Multizone Air Handler Diagram
FILENAME: COS - Student Union.vsdm		CONTRACT NO:	SE:DAR / DE: ANB / PR: DAR
		DRAWING:	1.4

REV	DESCRIPTION	DATE	BY
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915 S MOONEY BLVD., VISALIA CA. 93277

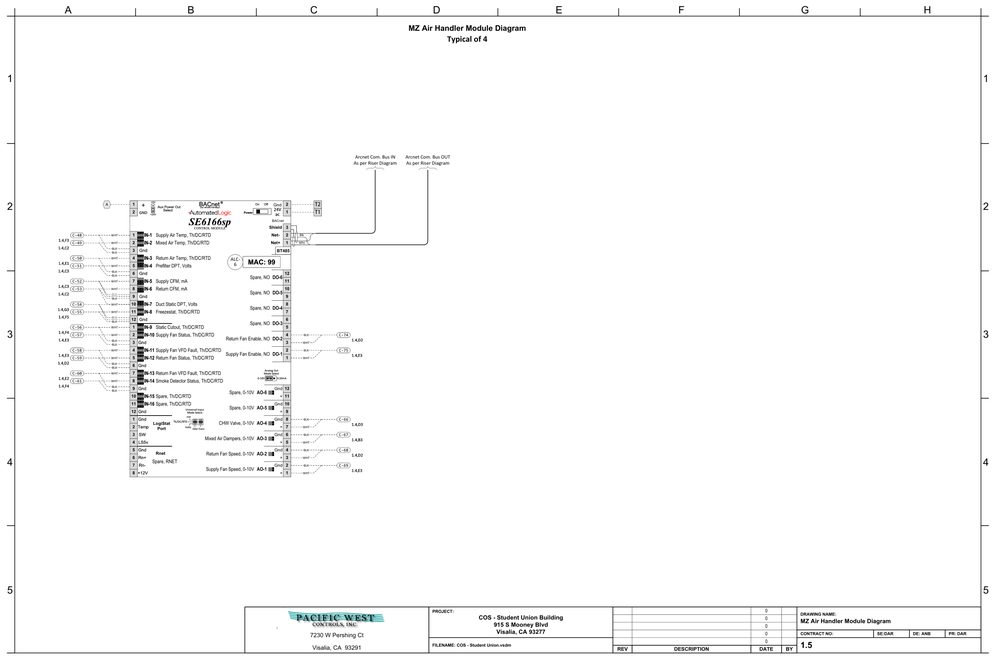
DRAWING TITLE
EMS CONTROLS

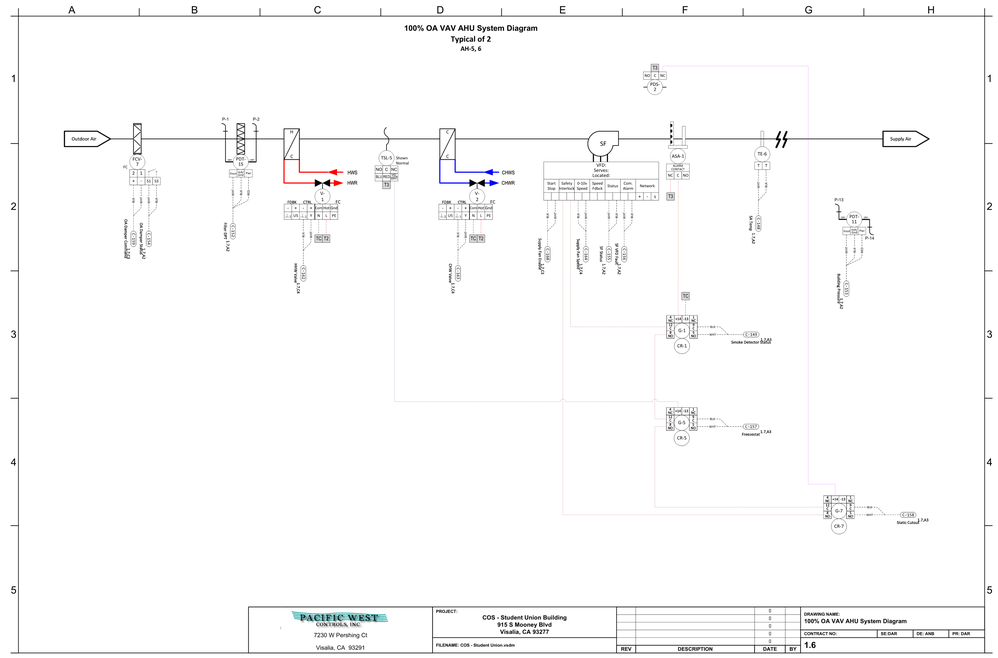
PROJECT NO.
23-12499

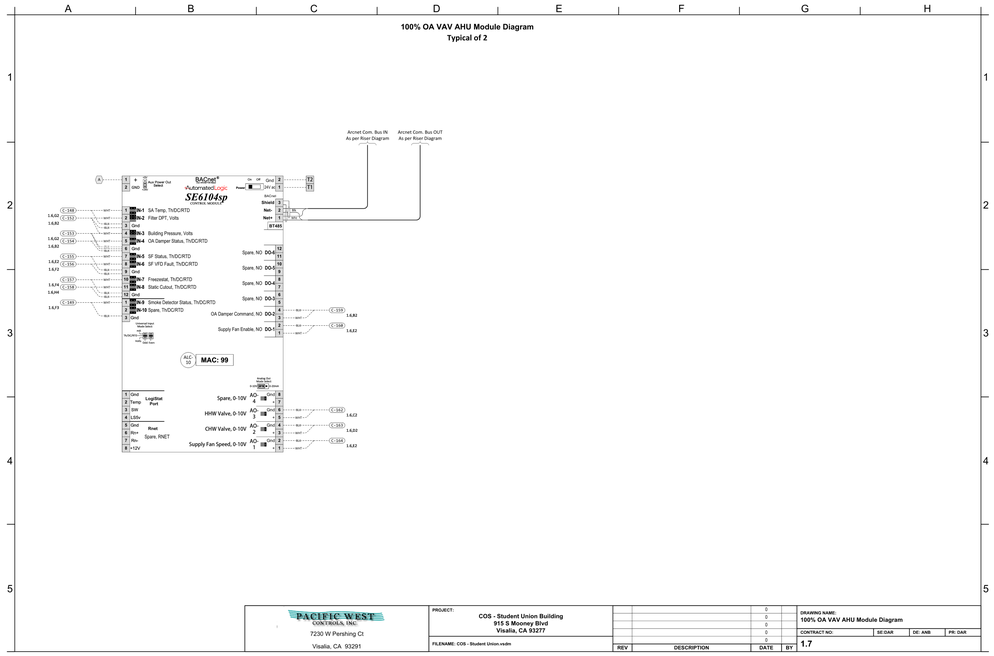
DRAWING
M700

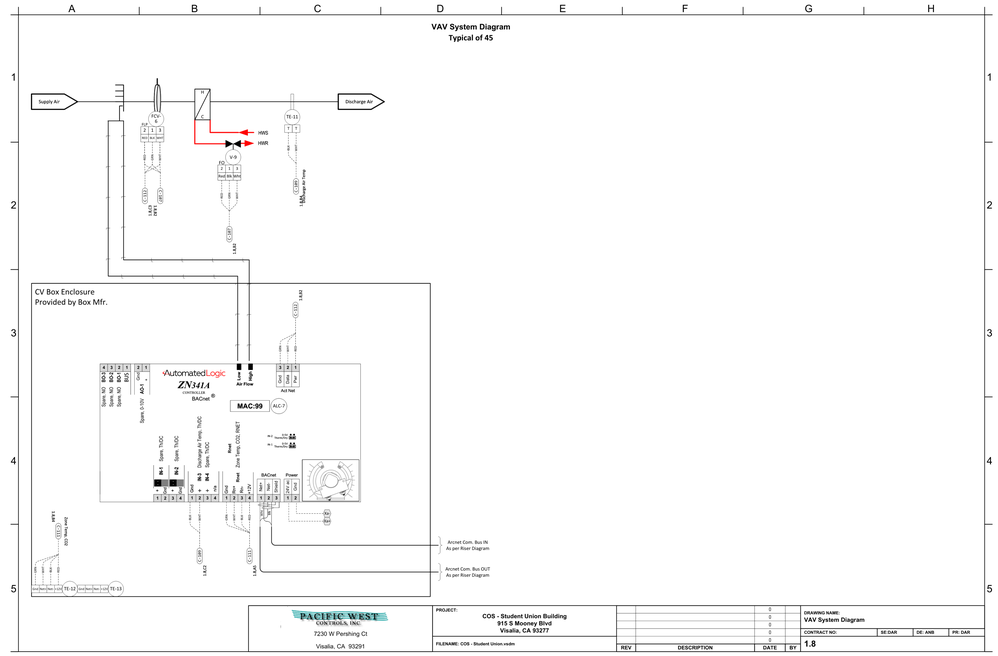
PLOT DATE: 8/12/2026 3:00:52 PM

CONTROLS DETAILS









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DRAWING TITLE
EMS CONTROLS

PROJECT NO.
23-12499

DRAWING
M701

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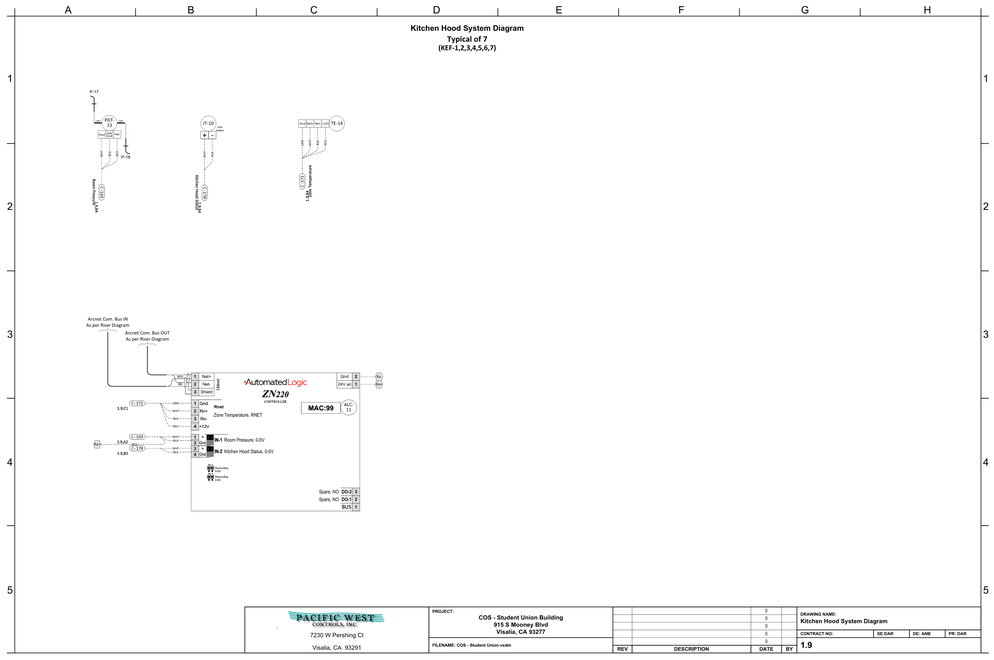

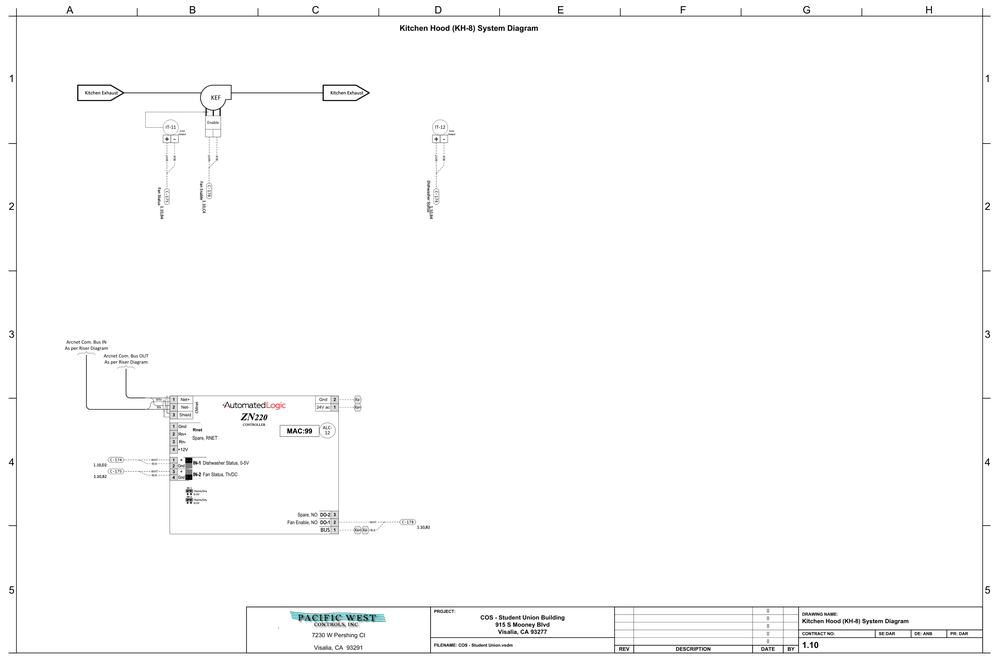

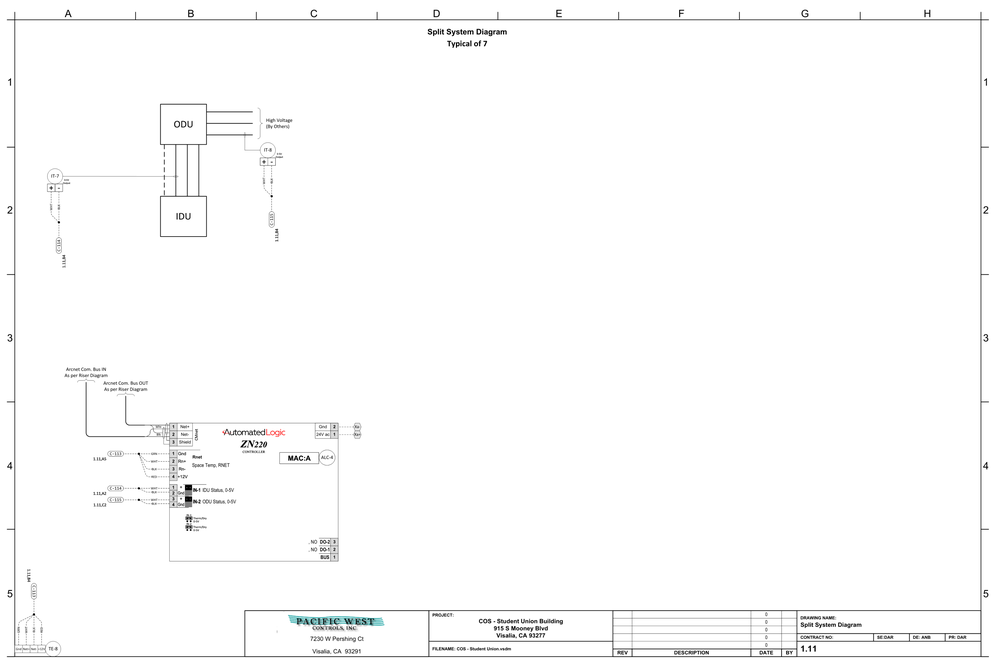

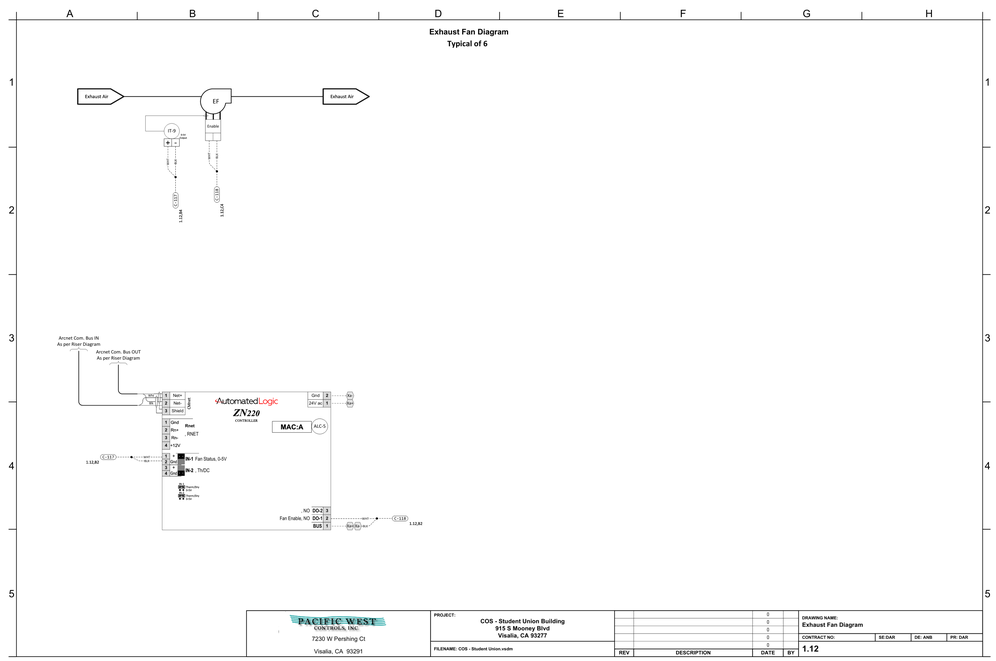

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DRAWING TITLE
EMS CONTROLS

PROJECT NO.
23-12499

DRAWING
M702

PLOT DATE: 8/12/2026 3:00:59 PM
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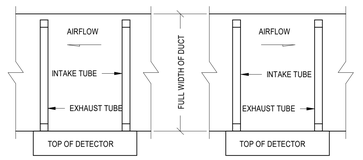
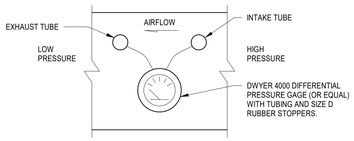
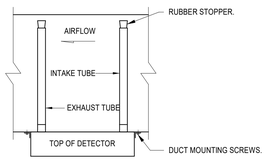


SAMPLING TUBE ORIENTATION



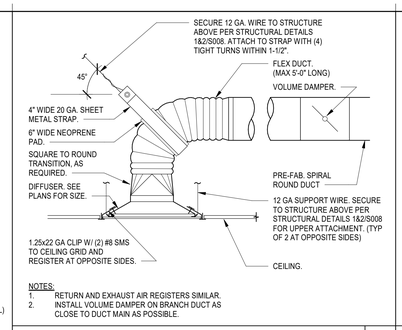
AIR SAMPLING VERIFICATION



DETECTOR MOUNTING

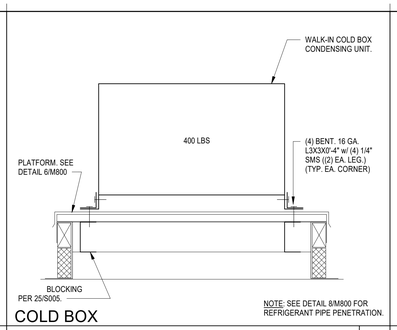
NOTES:
1. MOUNT DUCT DETECTOR IN SA DUCT UPSTREAM OF BRANCH TAKE-OFFS.
2. UPON DETECTION OF SMOKE UNITS SHALL BE SHUT-DOWN AUTOMATICALLY.
3. PROVIDE INTERLOCKS TO SHUT DOWN UNIT AS REQUIRED.
4. PROVIDE INTERLOCKS TO ACTIVATE ALARM SYSTEM PER CMC 608.

DUCT DETECTOR N.T.S. 27



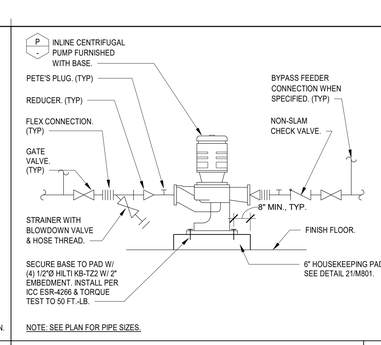
NOTES:
1. RETURN AND EXHAUST AIR REGISTERS SIMILAR.
2. INSTALL VOLUME DAMPER ON BRANCH DUCT AS CLOSE TO DUCT MAIN AS POSSIBLE.

CEILING REGISTER N.T.S. 21



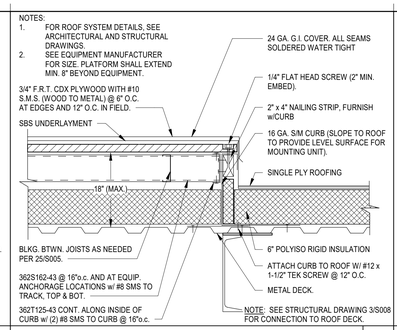
NOTE: SEE DETAIL 8/M800 FOR REFRIGERANT PIPE PENETRATION.

COLD BOX

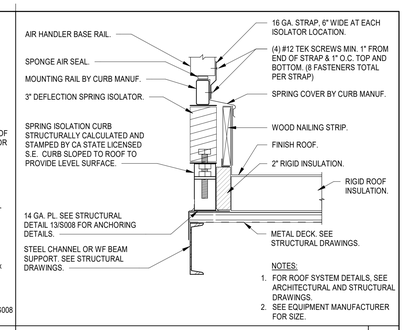


NOTE: SEE PLAN FOR PIPE SIZES.

IN-LINE PUMP N.T.S. 11

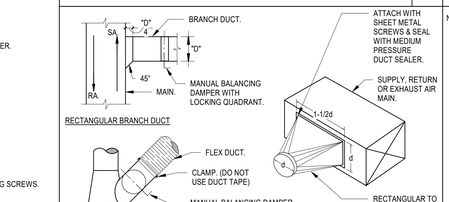


EQUIPMENT PLATFORM N.T.S. 6



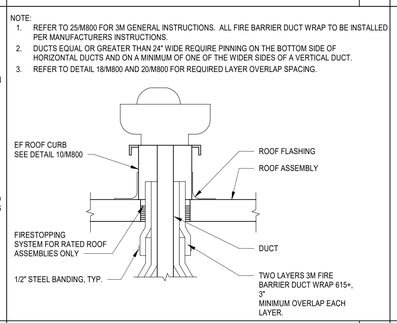
NOTES:
1. FOR ROOF SYSTEM DETAILS, SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. SEE EQUIPMENT MANUFACTURER FOR SIZE.

AIR HANDLER N.T.S. 1

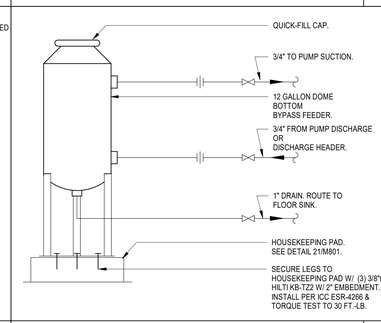


NOTE: ALL BRANCH TAKE-OFFS SHALL HAVE A LOW LOSS FITTING WHETHER SHOWN ON THE FLOOR PLAN OR NOT.

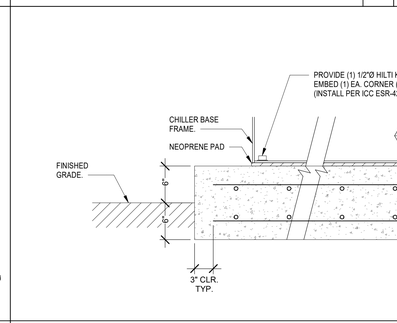
TYPICAL BRANCH DUCT N.T.S. 22



FIRE WRAP TO EF CONNECTION N.T.S. 17

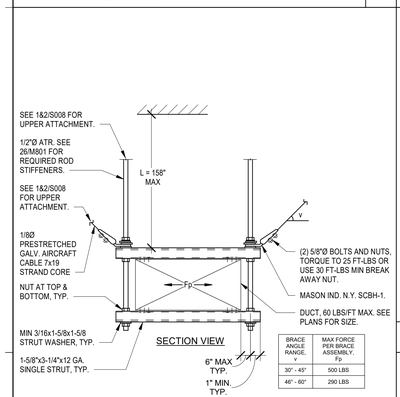


CHEMICAL POT FEEDER N.T.S. 12



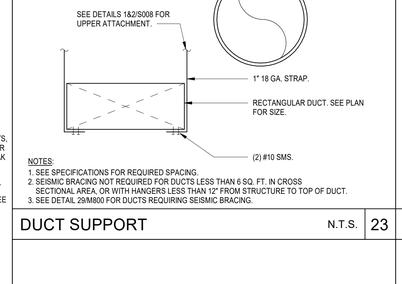
NOTE: SEE 21/M801 FOR ALTERNATE CONCRETE PAD INSTALLATION.

AIR COOLED CHILLER N.T.S. 2



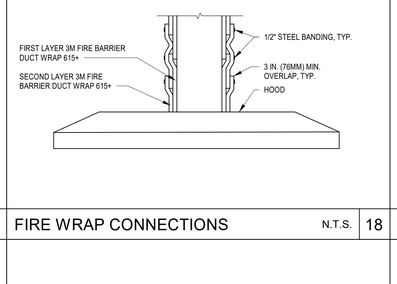
BRACE ANGLE RANGE, v	MAX FORCE PER BRACE ASSEMBLY, Fp
30° - 45°	500 LBS
46° - 60°	290 LBS

SEISMIC BRACING - DUCT N.T.S. 29

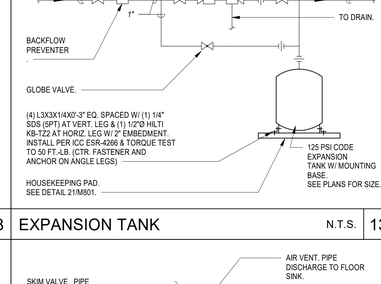


NOTES:
1. SEE SPECIFICATIONS FOR REQUIRED SPACING.
2. SEISMIC BRACING NOT REQUIRED FOR DUCTS LESS THAN 6 SQ. FT. IN CROSS SECTIONAL AREA, OR WITH HANGERS LESS THAN 12" FROM STRUCTURE TO TOP OF DUCT.
3. SEE DETAIL 29/M800 FOR DUCTS REQUIRING SEISMIC BRACING.

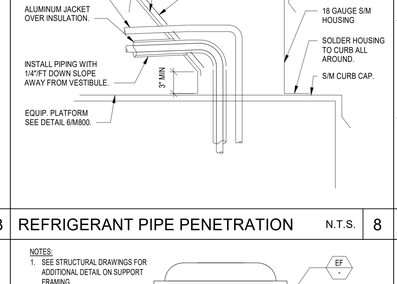
DUCT SUPPORT N.T.S. 23



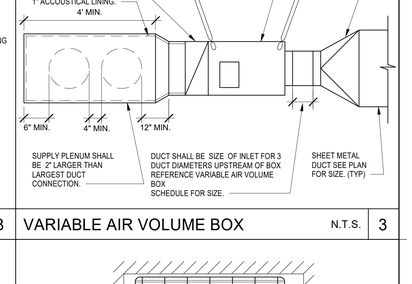
FIRE WRAP CONNECTIONS N.T.S. 18



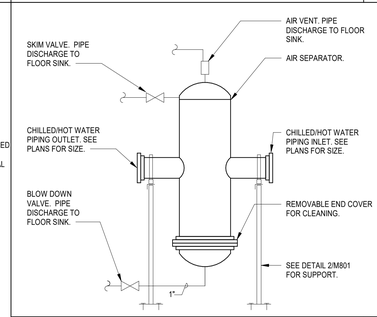
EXPANSION TANK N.T.S. 13



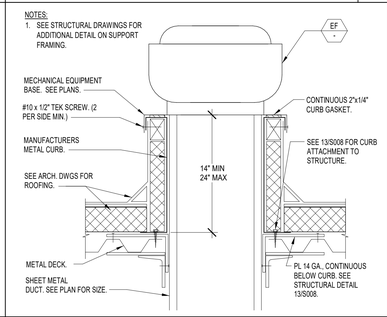
REFRIGERANT PIPE PENETRATION N.T.S. 8



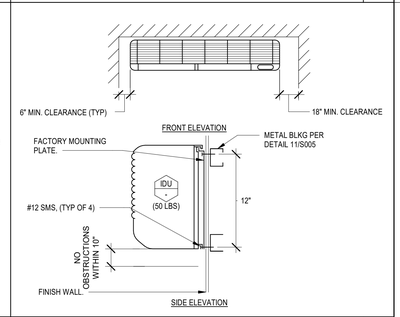
VARIABLE AIR VOLUME BOX N.T.S. 3



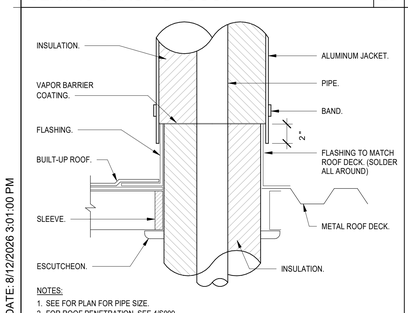
AIR DIRT SEPARATOR N.T.S. 14



EXHAUST FAN ON CURB N.T.S. 9



WALL MOUNTED FAN COIL N.T.S. 4



NOTES:
1. SEE FOR PLAN FOR PIPE SIZE.
2. FOR ROOF PENETRATION, SEE 4/S009.

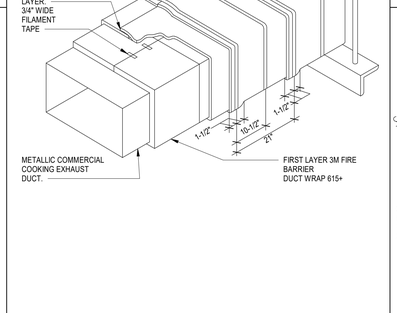
INSULATED PIPE THRU ROOF N.T.S. 30

2-LAYER GREASE DUCT METHOD (ASTM E 2336)
THIS GENERAL INSTRUCTION FOR APPLYING 3M FIRE BARRIER DUCT WRAP 615+ DETAILS TWO-LAYER WRAP INSTALLATION OF 3M FIRE BARRIER DUCT WRAP 615+ BLANKET APPLIED DIRECTLY TO GREASE DUCT. THE FIRST LAYER OF DUCT WRAP IS WRAPPED AROUND TEH PERIMETER OF THE DUCT AND IS CUT TO A LENGTH TO EITHER BUTT TO ITSELF OR OVERLAP ITSELF NOT LESS THAN 3". THE INTERFACE BETWEEN ADJACENT BLANKETS FORMS THE LONGITUDINAL JOINT. INNER LAYER LONGITUDINAL JOINTS CAN BE TIGHTLY BUTTED JOINTS OR THEY SHOUDL OVERLAP ONTO ADJACENT BLANKETS WITH A MIN. 3" OVERLAP. ALUMINUM FOIL OR FSK TAPE IS USED TO SEAL ALL CUT EDGES OF THE BLANKET AND ANY TEARS IN THE FOIL SCRIM. THIS FIRST LAYER IS TEMPORARILY HEAD IN PLACE USING FILAMENT TAPE. THE FIRST LAYER DOES NOT REQUIRE STEEL BANDING.

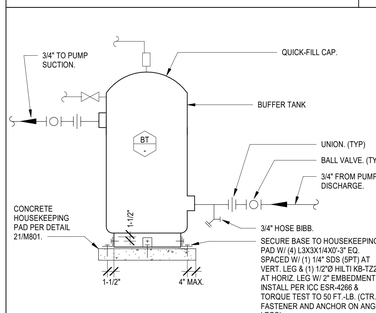
THE SECOND LAYER OF 3M FIRE BARRIER DUCT WRAP 615+ IS WRAPPED AROUND THE PERIMETER OF THE PREVIOUSLY INSTALLED FIRST LAYER OF WRAP. THE OTHER LAYER PERIMETER (LATERAL) JOINTS SHOULD BE OFFSET A MINIMUM OF 3" FROM THE INNER LAYER PERIMETER JOINTS. THE PERIMETER JOINTS SHOULD BE A MINIMUM 3" OVERLAP. OFFSET THE OUTER LAYER LONGITUDINAL JOINTS SHOUDL BE A MINIMUM 3" OVERLAP. THE ONE EXCEPTION TO THIS RULE IS THE "BUTT JOINT COLLAR METHOD" WHERE IT IS PERMISSIBLE FOR THE LONGITUDINAL JOINTS TO BE TIGHTLY BUTTED AND THEN COVERED WITH A MINIMUM 6" WIDE COLLAR CENTERED OVER IT. THE SECOND LAYER OF WRAP CAN BE TEMPORARILY HELD IN PLACE USING FILAMENT TAPE. THE SECOND LAYER OF WRAP REQUIRES PERMANENT FASTENING WITH STAINLESS STEEL BANDING, OR WITH ROWS OF WELD PINS (IMPALING OR CUP-HEAD STYLE).

3M FIRE BARRIER DUCT WRAP 615+

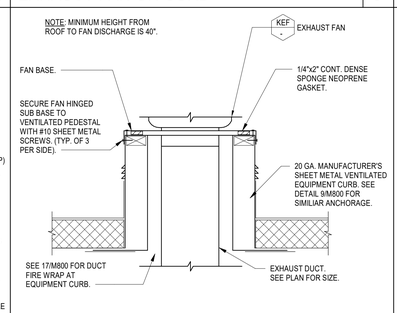
FIRE WRAP GENERAL INSTRUCTIONS N.T.S. 25



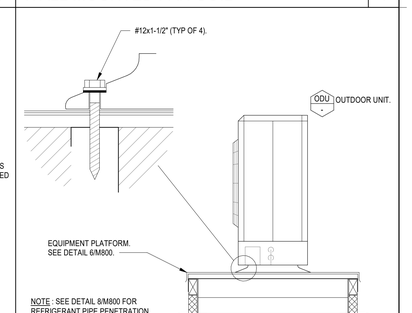
FIRE BARRIER DUCT WRAP N.T.S. 20



BUFFER TANK N.T.S. 15



KITCHEN EXHAUST FAN ON CURB N.T.S. 10



NOTE : SEE DETAIL 8/M800 FOR REFRIGERANT PIPE PENETRATION.

CONDENSING UNIT N.T.S. 5

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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
MECHANICAL DETAILS

PROJECT NO.
23-12499

DRAWING
M800

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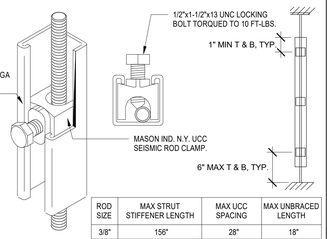
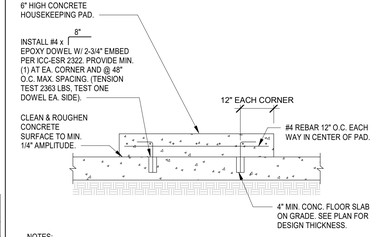


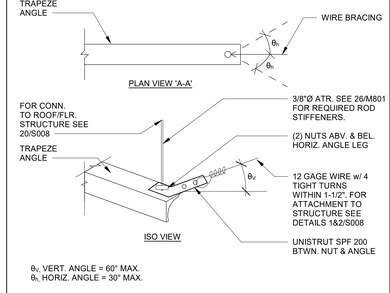
ROD SIZE	MAX STRUT STIFFENER LENGTH	MAX UCC SPACING	MAX UNBRACED LENGTH
3/8"	156"	28"	18"
1/2"	156"	38"	25"
5/8"	156"	48"	31"
3/4"	156"	57"	37"

ROD STIFFENER N.T.S. 26



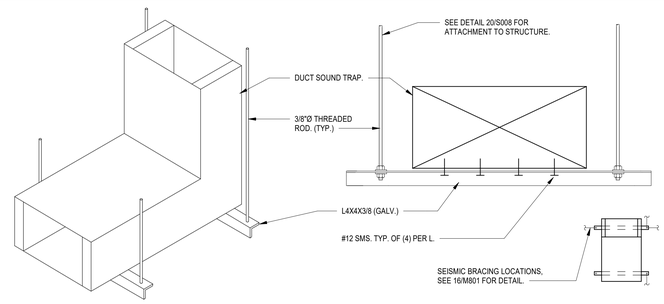
NOTES:
1. SEE SPECIFICATIONS FOR CONCRETE AND REBAR.
2. SEE EQUIPMENT MANUFACTURER FOR SIZE.

CONC. HOUSEKEEPING PAD N.T.S. 21

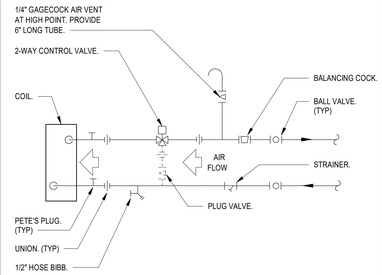


θ_V VERT. ANGLE = 60° MAX.
θ_H HORIZ. ANGLE = 30° MAX.

SOUND TRAP WIRE BRACING N.T.S. 16

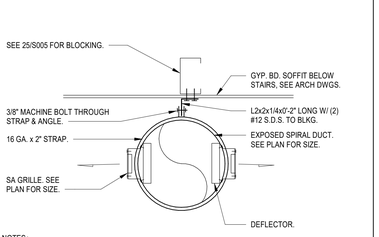


SOUND TRAP ELBOW (ST-1,2,3A) N.T.S. 6



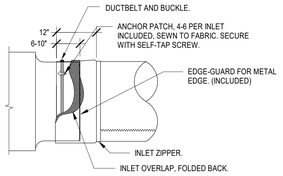
NOTES
1. 3-WAY CONTROL VALVE PIPING SHOWN DASHED.
2. SEE PLANS FOR PIPE SIZES.

2-WAY/3-WAY COIL PIPING N.T.S. 1

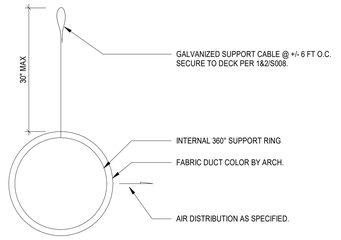


NOTES:
1. SEISMIC BRACING NOT REQUIRED FOR DUCTS UNDER 6 SQ FT CROSS SECTIONAL AREA.
2. SEE SPECIFICATIONS FOR REQUIRED SPACING.

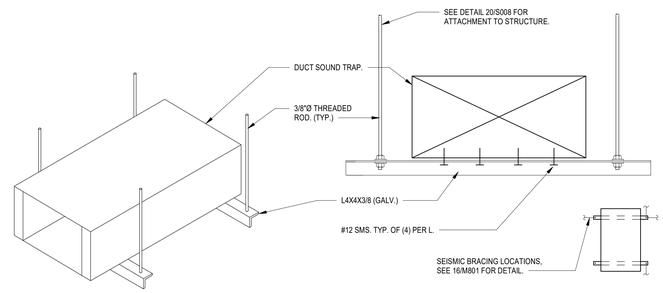
DUCT SUPPORT UNDER STAIRS N.T.S. 27



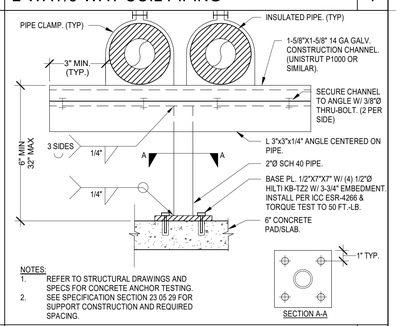
FABRIC DUCT INLET N.T.S. 22



FABRIC DUCT SUPPORT N.T.S. 17

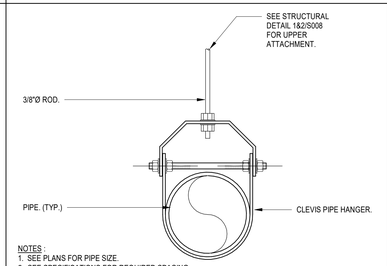


SOUND TRAP HORIZONTAL (ST-5A,5B,6) N.T.S. 7



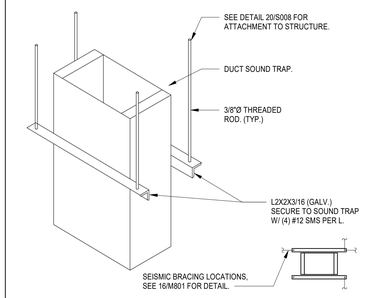
NOTES:
1. REFER TO STRUCTURAL DRAWINGS AND SPECS FOR CONCRETE ANCHOR TESTING. SEE SPECIFICATION SECTION 23 05 29 FOR SUPPORT CONSTRUCTION AND REQUIRED SPACING.

PIPE SUPPORT N.T.S. 2

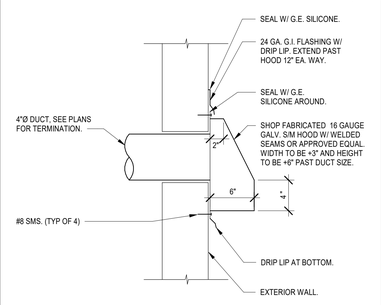


NOTES :
1. SEE PLANS FOR PIPE SIZE.
2. SEE SPECIFICATIONS FOR REQUIRED SPACING.
3. SEISMIC BRACING NOT REQUIRED FOR PIPING SUPPORTED BY HANGERS 12" OR LESS IN LENGTH MEASURED FROM THE BOTTOM OF PIPE TO SUPPORTING STRUCTURE.
4. SEE DETAIL 15/M801 FOR PIPES REQUIRING SEISMIC BRACING.

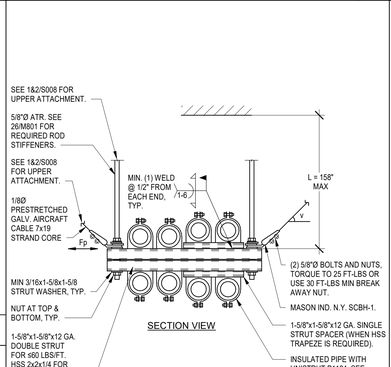
PIPE SUPPORT N.T.S. 13



SOUND TRAP VERTICAL (ST-3B, 4A, 4B) N.T.S. 8

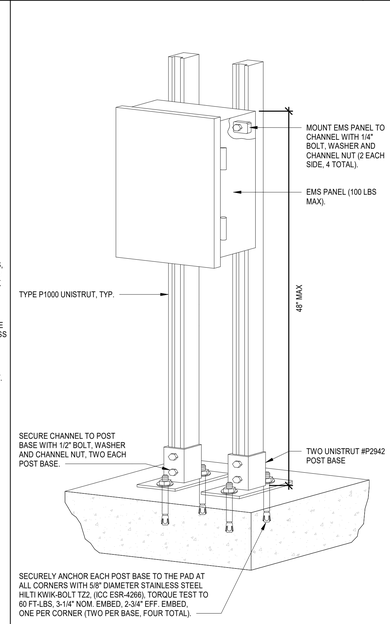


DRYER VENT TERMINATION N.T.S. 3

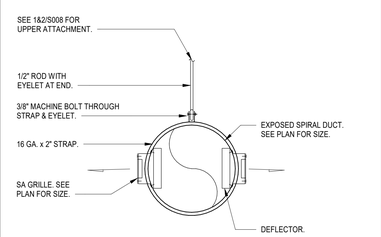


BRACE ANGLE RANGE, V	MAX FORCE PER BRACE ASSEMBLY, Fp
30° - 45°	540 LBS
46° - 60°	360 LBS

SEISMIC BRACING - PIPE N.T.S. 15

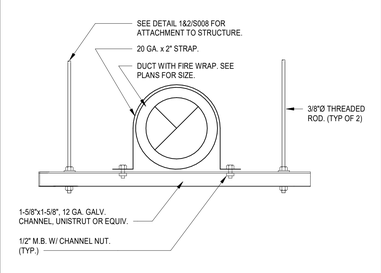


EMS PANEL SUPPORT N.T.S. 10



NOTES:
1. SEISMIC BRACING NOT REQUIRED FOR DUCTS UNDER 6 SQ FT CROSS SECTIONAL AREA.
2. SEE SPECIFICATIONS FOR REQUIRED SPACING.

DUCT MOUNTED GRILLES AND DUCT SUPPORT N.T.S. 4



NOTES:
1. SEE SPECIFICATIONS FOR REQUIRED SPACING.

GREASE DUCT SUPPORT N.T.S. 5

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TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

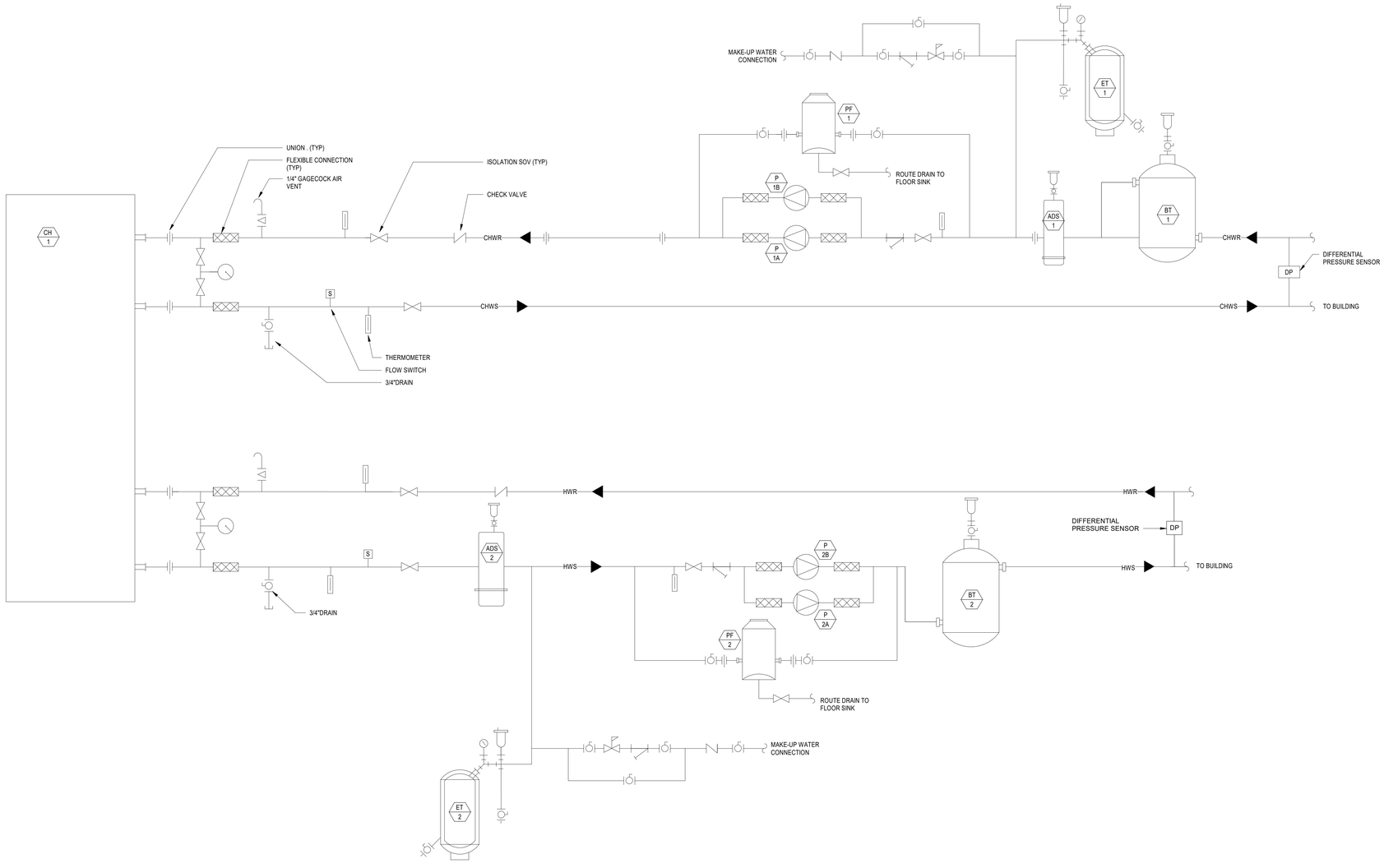
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
MECHANICAL DETAILS

PROJECT NO.
23-12499

DRAWING
M801

\\tetr-file1\Users\matt.soderstrom_TETER\Documents\12499-M-COS Student Union_matt.soderstrom.rvt



HEAT PUMP CHILLER PIPING DIAGRAM

N.T.S. | 1

PLOT DATE: 8/12/2026 3:01:00 PM

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
MECHANICAL PIPING DIAGRAM

PROJECT NO.
23-12499

DRAWING
M802

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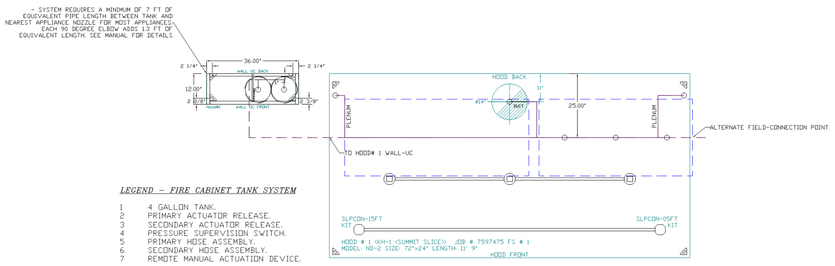
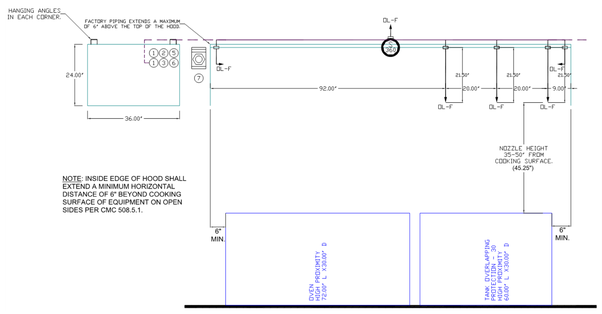
SF_VAV_VF

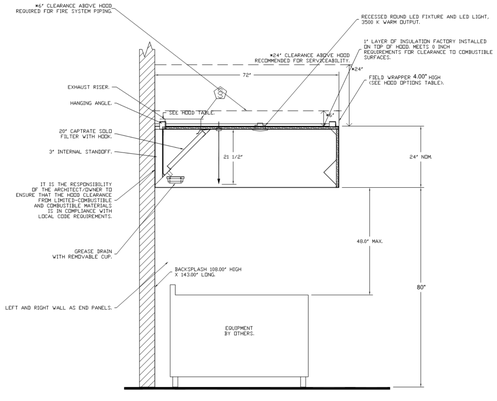


LEGEND – FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.



NOTE: INSIDE EDGE OF HOOD SHALL EXTEND A MINIMUM HORIZONTAL DISTANCE OF 6" BEYOND COOKING SURFACE OF EQUIPMENT ON OPEN SIDES PER CMC 508.5.1.



SECTION VIEW – MODEL 7224ND–2 HOOD – #1

NOTES
- FIELD PIPE DROPS AS SHOWN.
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2, 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

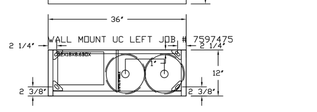
- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

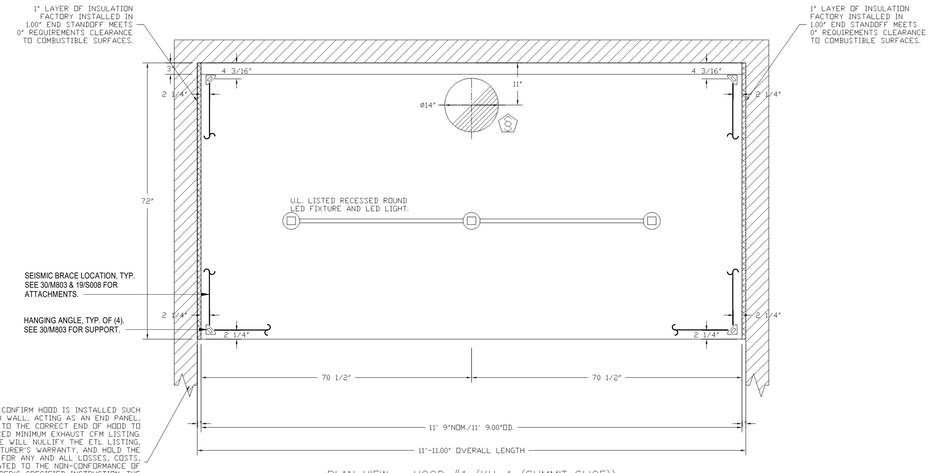
JOB #: 7597475.
JOB NAME: COLLEGE OF THE SEQUOIAS R1 – VISALIA CA.

SYSTEM SIZE: TANK-SP-2-WC DESIGN FP: 27, MAXIMUM FP: 40.
HOOD # 1 11' 9.00" LONG x 72" WIDE x 24" HIGH.
RISER # 1 SIZE: 1¼" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

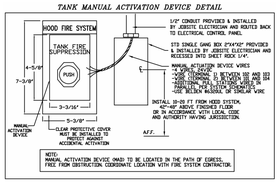




INSTALLER MUST CONFIRM HOOD IS INSTALLED SUCH THAT THE SPECIFIED WALL, ACTING AS AN END PANEL, IS MATED TIGHT TO THE CORRECT END OF HOOD TO ACHIEVE A REDUCED MINIMUM EXHAUST CFM LISTING. NON-COMPLIANCE WILL NULLIFY THE ETL LISTING, VOID THE MANUFACTURER'S WARRANTY, AND HOLD THE CONTRACTOR LIABLE FOR ANY AND ALL LOSSES, COSTS, AND EXPENSES RELATED TO THE NON-CONFORMANCE OF THE MANUFACTURER'S SPECIFIED INSTRUCTION. THE WALL ACTING AS AN END PANEL MUST EXTEND NO LESS THAN 20" FROM THE INTERSECTING WALL ON WHICH HOOD IS MOUNTED AND MUST EXTEND NO LESS THAN 20" UNDER BOTTOM OF HOOD TO BE ELIGIBLE FOR REDUCED MINIMUM EXHAUST CFM LISTING.

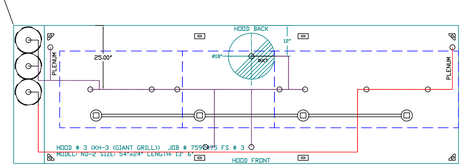
PLAN VIEW – HOOD #1 (KH–1 (SUMMIT SLICE)) 11' 9.00" LONG 7224ND–2

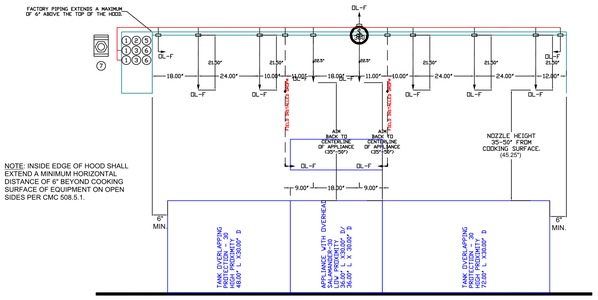
TANK MANUAL ACTIVATION DEVICE DETAIL


HOOD FIRE SYSTEM
TANK FIRE SUPPRESSION
RUN
4-5/8"
7-3/8"
3-3/16"
3-3/8"
MANUAL ACTIVATION DEVICE
CLEAR PROTECTIVE COVER MAY BE INSTALLED TO PREVENT ACCIDENTAL ACTIVATION
AFF.
1/2" CONDUIT PROVIDED & INSTALLED BY JOBSITE ELECTRICIAN AND ROUTED BACK TO ELECTRICAL CONTROL PANEL.
STI SINGLE GANG BOX 2"x4"x2" PROVIDED & INSTALLED BY JOBSITE ELECTRICIAN AND RECESSED INTO SHEET ROCK 1/4".
MANUAL ACTIVATION DEVICE WIRES (NOTE: STARTING AT REVISION 100 AND SEE "WIRE TERMINAL 2) REVISED 100 AND SEE "WIRE TERMINAL 2) REVISED 100 AND SEE "WIRE TERMINAL 2) REVISED

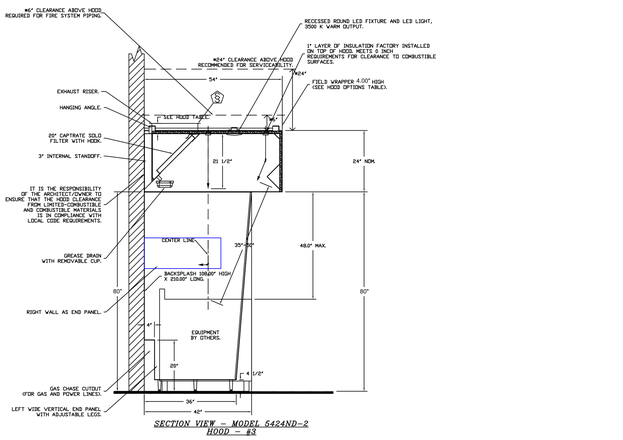
\\tetr-file1\Users\matt.soderstrom_TETR\Documents\12499-M-COS Student Union_matt.soderstrom.rvt

- SYSTEM REQUIRES A MINIMUM OF 7 FT OF EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE. APPLIANCE WITH MOST LENGTH OF EACH 90 DEGREE ELBOW ADDS 13 FT OF EQUIVALENT LENGTH. SEE MANUAL FOR DETAILS

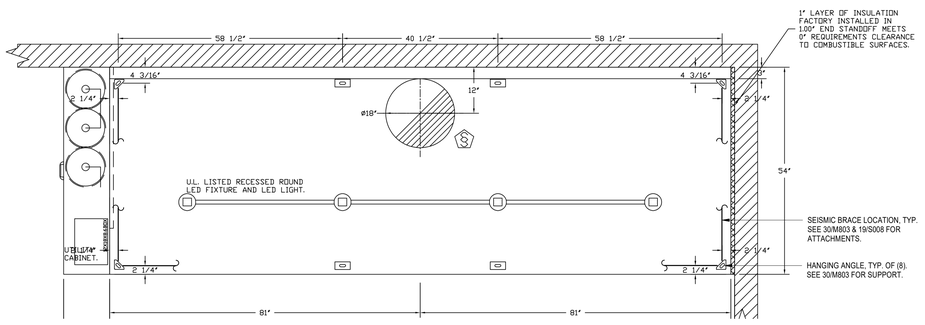




NOTE: INSIDE EDGE OF HOOD SHALL EXTEND A MINIMUM HORIZONTAL DISTANCE OF 6" BEYOND COOKING SURFACE OF EQUIPMENT ON OPEN SIDES PER CMC 508.5.1.



SECTION VIEW – MODEL 5424ND-2
HOOD – #3



NOTES
- FIELD PIPE DROPS AS SHOWN
- PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH UL. 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7597475.
JOB NAME: COLLEGE OF THE SEQUOIAS R1 – VISALIA CA.

SYSTEM SIZE: TANK-SP-3 DESIGN FP: 53. MAXIMUM FP: 60.
HOOD # 3 13' 6.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 18" DIA.
HOOD # 3 METAL BLOW-OFF CAPS INCLUDED.

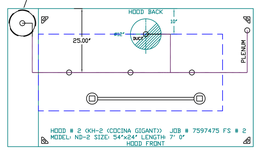
- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

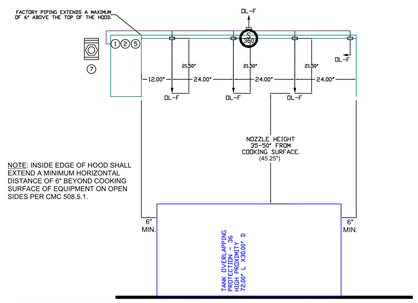
AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND – FIRE CABINET TANK SYSTEM

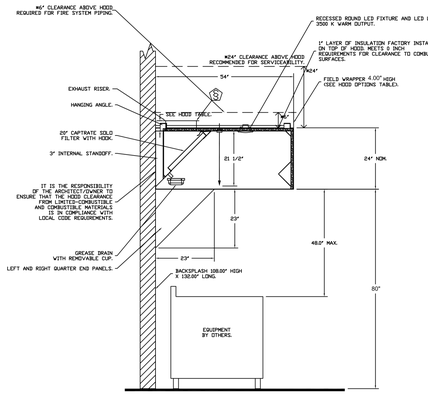
1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

- SYSTEM REQUIRES A MINIMUM OF 7 FT OF EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE. APPLIANCE WITH MOST LENGTH OF EACH 90 DEGREE ELBOW ADDS 13 FT OF EQUIVALENT LENGTH. SEE MANUAL FOR DETAILS

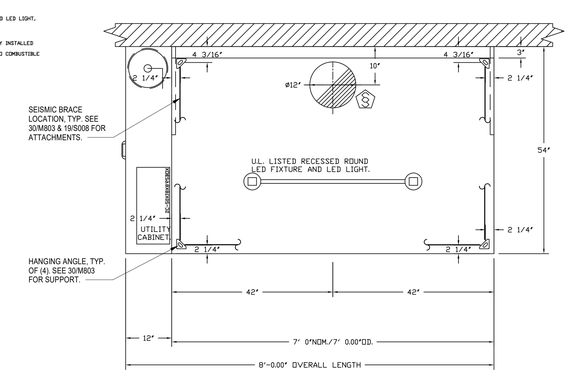




NOTE: INSIDE EDGE OF HOOD SHALL EXTEND A MINIMUM HORIZONTAL DISTANCE OF 6" BEYOND COOKING SURFACE OF EQUIPMENT ON OPEN SIDES PER CMC 508.5.1.



SECTION VIEW – MODEL 5424ND-2
HOOD – #2



PLAN VIEW – HOOD #2 (KH-2 (COCINA GIGANT))
7' 0.00" LONG 5424ND-2

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MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

TETER, INC.
ARCHITECTS ENGINEERS CONSULTANTS
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

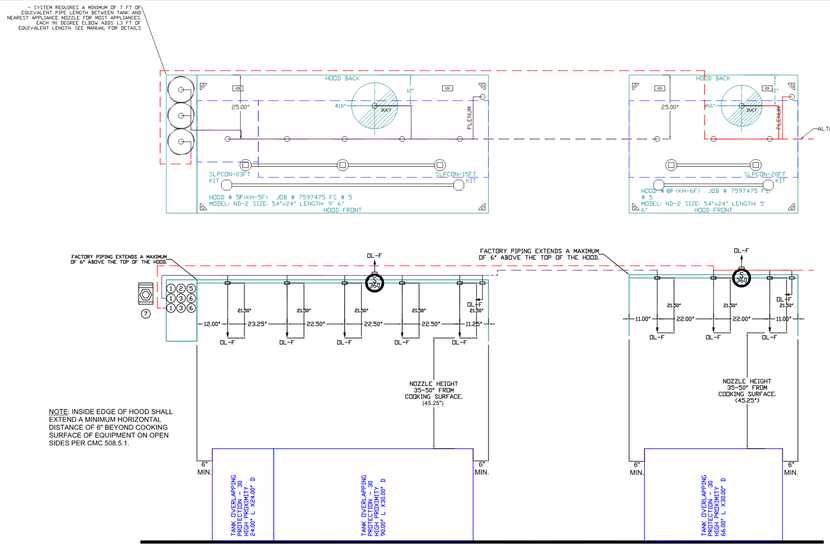
STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA CA. 93277

DRAWING TITLE
KITCHEN HOOD DETAILS

PROJECT NO.
23-12499

DRAWING
M804

PLOT DATE: 8/12/2026 3:01:03 PM



NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH UL. 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7597475.
JOB NAME: COLLEGE OF THE SEQUOIAS R1 - VISALIA CA.

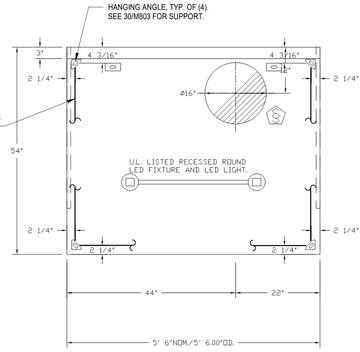
SYSTEM SIZE: TANK-SP-3 DESIGN FP: 56. MAXIMUM FP: 60.
HOOD # 5: 9' 6.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 1Ø" DIA.
HOOD # 5 METAL BLOW-OFF CAPS INCLUDED.
HOOD # 7: 5' 6.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 1Ø" DIA.
HOOD # 7 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

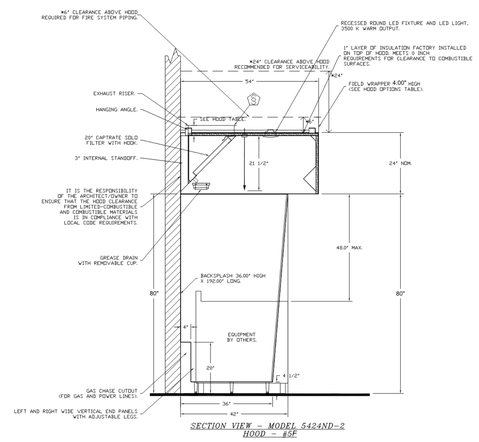
AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND - FIRE CABINET TANK SYSTEM

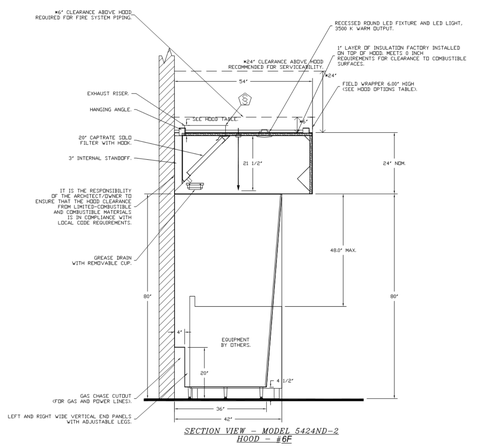
1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.



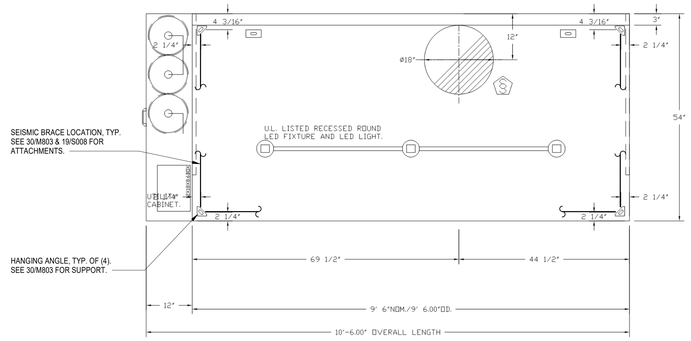
PLAN VIEW - HOOD #6F(KH-6F)
5' 6.00" LONG 5424ND-2



SECTION VIEW - MODEL 5424ND-2
HOOD - #5F



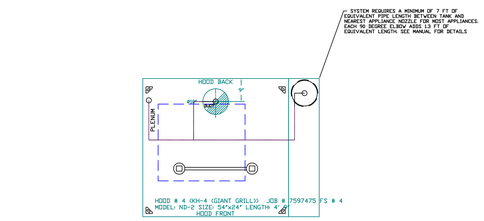
SECTION VIEW - MODEL 5424ND-2
HOOD - #6F



PLAN VIEW - HOOD #5F(KH-5F)
9' 6.00" LONG 5424ND-2

TYPE I KITCHEN HOOD KH-5F,6F

N.T.S. 3



NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7597475.
JOB NAME: COLLEGE OF THE SEQUOIAS R1 - VISALIA CA.

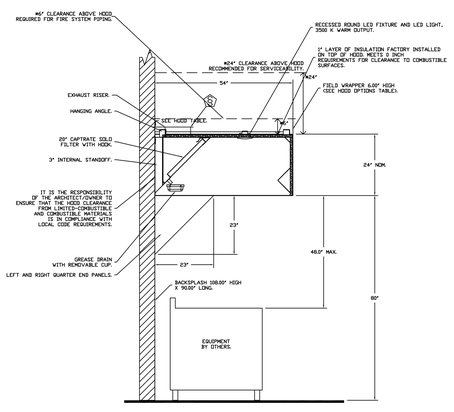
SYSTEM SIZE: TANK-SP-1 DESIGN FP: 8. MAXIMUM FP: 20.
HOOD # 4 4' 9.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 1Ø" DIA.
HOOD # 4 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

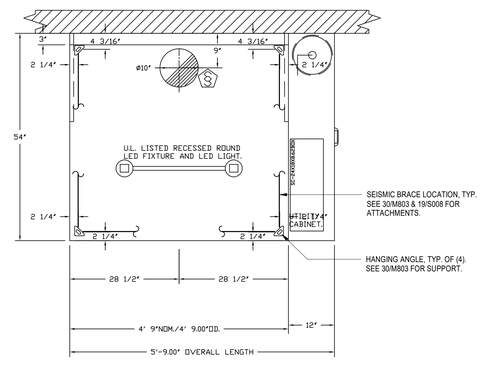
AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND - FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.



SECTION VIEW - MODEL 5424ND-2
HOOD - #4



PLAN VIEW - HOOD #4 (KH-4 (GIANT GRILL))
4' 9.00" LONG 5424ND-2

TYPE I KITCHEN HOOD KH-4

N.T.S. 5

PLOT DATE: 8/12/2026 3:01:04 PM

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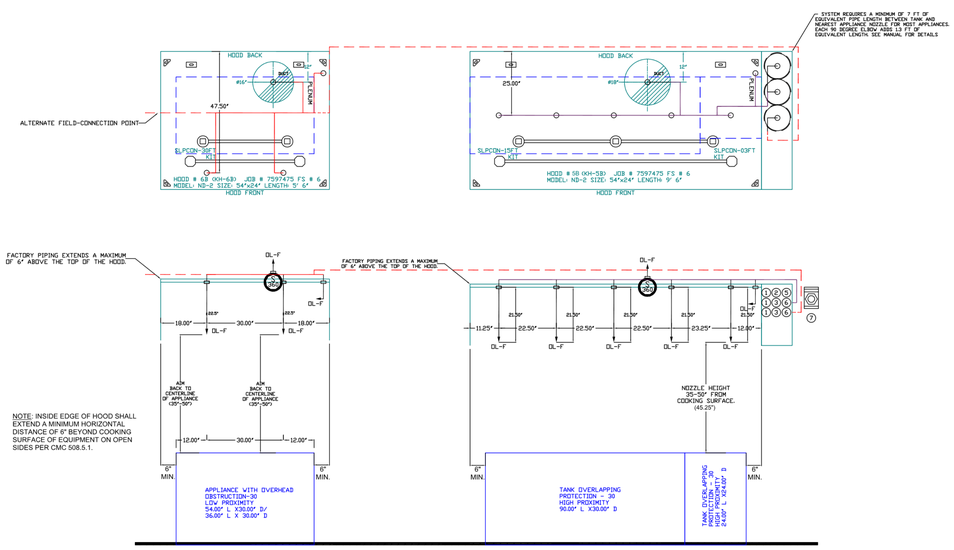
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
KITCHEN HOOD DETAILS

PROJECT NO.
23-12499

DRAWING
M805



NOTES:
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7597475
JOB NAME: COLLEGE OF THE SEQUOIAS R1 - VISALIA CA.

SYSTEM SIZE: TANK-SP-3 DESIGN FP: 49 MAXIMUM FP: 60.
HOOD # 6 9' 6.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 1B" DIA.
HOOD # 6 METAL BLOW-OFF CAPS INCLUDED.
HOOD # 8 5' 6.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 1G" DIA.
HOOD # 8 METAL BLOW-OFF CAPS INCLUDED.

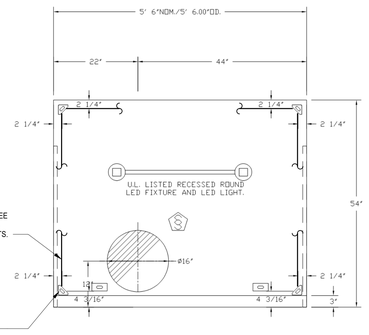
- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

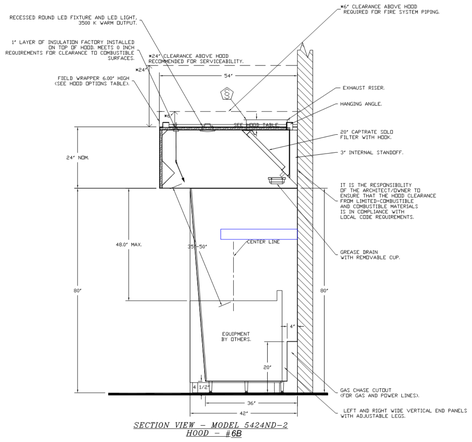
AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND – FIRE CABINET TANK SYSTEM

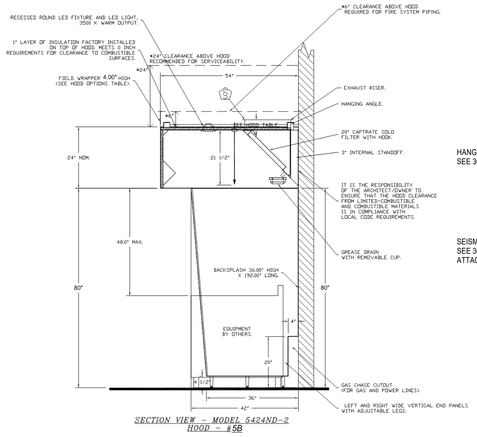
1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

PLAN VIEW – HOOD #6B(KH-6B)
5' 6.00" LONG 5424ND-2



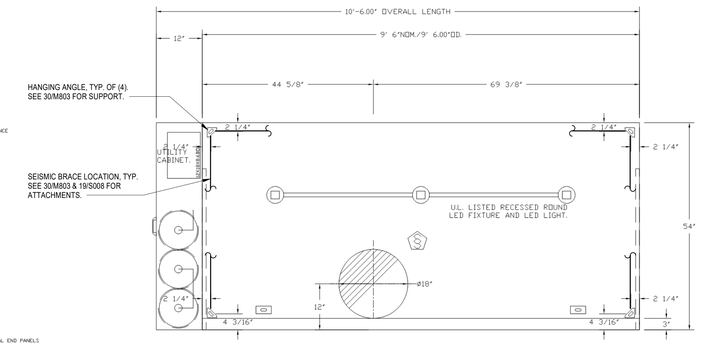


SECTION VIEW – MODEL 5424ND-2
HOOD – #6B



SECTION VIEW – MODEL 5424ND-2
HOOD – #5B

PLAN VIEW – HOOD #5B(KH-5B)
9' 6.00" LONG 5424ND-2



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STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
KITCHEN HOOD DETAILS

PROJECT NO.
23-12499

DRAWING
M806

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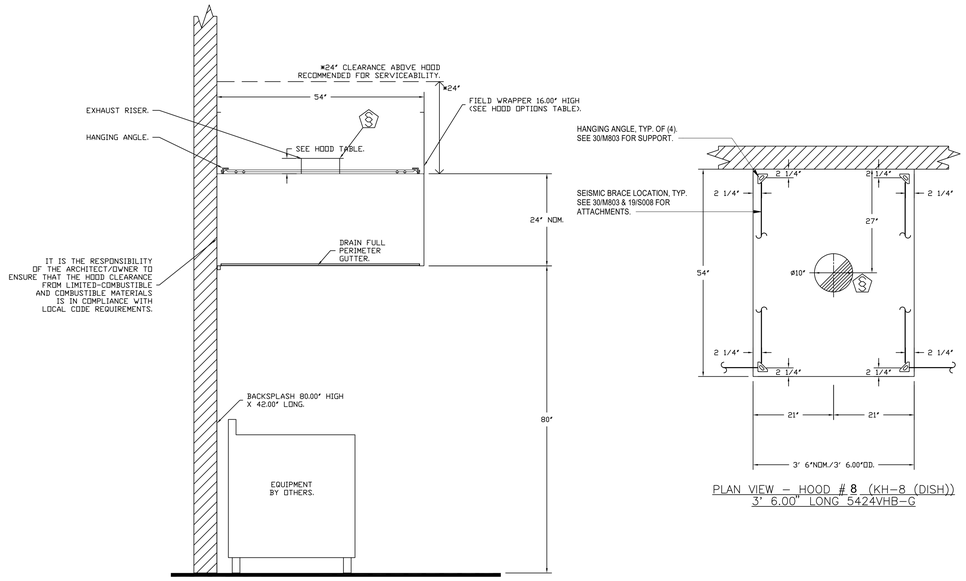
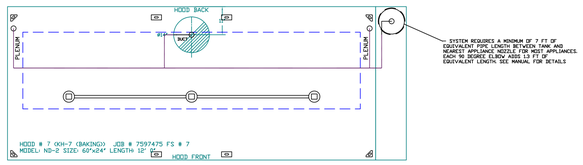


SECTION VIEW – MODEL 5424VHB-G
HOOD – # 8 (KH-8 (DISH))

PLAN VIEW – HOOD # 8 (KH-8 (DISH))
3' 6.00" LONG 5424VHB-G

TYPE II KITCHEN HOOD KH-8 N.T.S. 2



NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME
  PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED
  SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING,
  SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE
  SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7597475
JOB NAME: COLLEGE OF THE SEQUOIAS R1 - VISALIA CA.

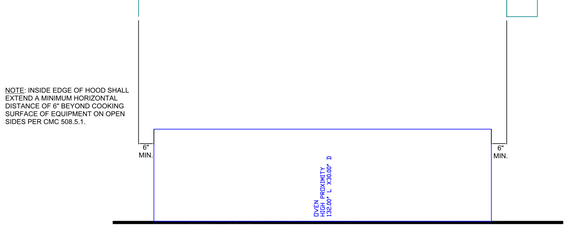
SYSTEM SIZE: TANK-SP-1 DESIGN FP: 12. MAXIMUM FP: 20.
HOOD # 9 12' 0.00" LONG x 60" WIDE x 24" HIGH.
RISER # 1 SIZE: 14" DIA.
HOOD # 9 METAL BLOW-OFF CAPS INCLUDED.

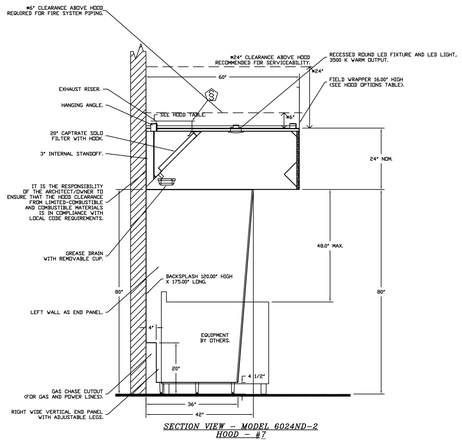
- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL
DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY
HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE
ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

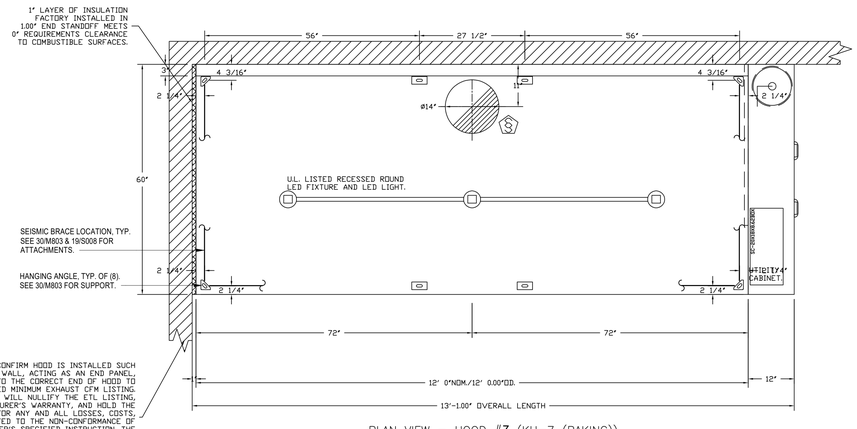
LEGEND – FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.





SECTION VIEW – MODEL 6024ND-2
HOOD – #7



INSTALLER MUST CONFIRM HOOD IS INSTALLED SUCH THAT THE SPECIFIED WALL, ACTING AS AN END PANEL, IS MATED TIGHT TO THE CORRECT END OF HOOD TO ACHIEVE A REDUCED MINIMUM EXHAUST CFM LISTING. NON-COMPLIANCE WILL NULLIFY THE ETL LISTING, VOID THE MANUFACTURER'S WARRANTY, AND HOLD THE CONTRACTOR LIABLE FOR ANY AND ALL LOSSES, COSTS, AND EXPENSES RELATED TO THE NON-CONFORMANCE OF THE MANUFACTURER'S SPECIFIED INSTRUCTION. THE WALL ACTING AS AN END PANEL MUST EXTEND NO LESS THAN 20" FROM THE INTERSECTING WALL ON WHICH HOOD IS MOUNTED AND MUST EXTEND NO LESS THAN 20" UNDER BOTTOM OF HOOD TO BE ELIGIBLE FOR REDUCED MINIMUM EXHAUST CFM LISTING.

PLAN VIEW – HOOD #7 (KH-7 (BAKING))
12' 0.00" LONG 6024ND-2
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

TYPE I KITCHEN HOOD KH-7 N.T.S. 5

PLOT DATE: 8/12/2026 3:01:07 PM

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
KITCHEN HOOD DETAILS

PROJECT NO.
23-12499

DRAWING
M807

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M_ VAV - VCP
PLOT DATE: 8/12/2026 3:01:09 PM

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-E
Nonresidential Performance Compliance Method — (Page 1 of 17)

Project Name: COS STUDENT UNION | **Date Prepared:** 2025-07-19

A. General Information

1	Project Name	COS STUDENT UNION			
2	Run Title	Title 24 Analysis			
3	Project Location	- specify -			
4	City	VISALIA	5	Standards Version	Compliance 2022
6	Zip code	99999	7	Compliance Software (version)	EnergyPro 9.3
8	Climate Zone	13	9	Building Orientation (deg)	0
10	Building Type(s)	• Nonresidential	11	Weather File	VISALIA_STYP20.epw
12	Project Scope	• New envelope	13	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft²)	34491.3	15	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	360	17	Fuel Type	Natural gas
18	Nonresidential Conditioned Floor Area	34491.3	19	Total # of Stories (Habitable Above Grade)	2
20	Residential Conditioned Floor Area	0			

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance					Building Components Complying Prescriptively	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐ Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒ Not Included		
Mechanical (See Table H)	Nonres	Not Included	Covered Process: Commercial Kitchens (see Table J)	☐ Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒ Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Performance	Covered Process: Laboratory Exhaust (see Table J)	☐ Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒ Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Not Included	Photovoltaics (see Table F)	☒ Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☐ Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	☒ Performance	Commissioning 120.8	NRCC-CXR-E is required
				☐ Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

C1. COMPLIANCE SUMMARY

	COMPLIES[3]		
	Time Dependent Valuation (TDV)		Source Energy Use
	Efficiency[1] (kBtu/ft² - yr)	Total[2] (kBtu/ft² - yr)	Total[2] (kBtu/ft² - yr)
Standard Design	918.62	820.89	144.71
Proposed Design	880.63	814.79	144.71
Compliance Margins	**37.99**	**6.1**	**0**
	Pass	**Pass**	**Pass**

[1] *Efficiency measures include improvements like a better building envelope and more efficient equipment*
[2] *Compliance Totals include efficiency, photovoltaics and batteries*
[3] *New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded*
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

	COMPLIES[3]		
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	294	279.26	14.74
Space Cooling	294.55	302.4	-7.85
Indoor Fans	231.21	198.82	32.39
Heat Rejection	0	0	0
Pumps & Misc.	0.09	0.13	-0.04
Domestic Hot Water	23.58	23.22	0.36
Indoor Lighting	75.19	76.8	-1.61
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**918.62**	**880.63**	**37.99 (4.1%)**
Photovoltaics	-97.73	-65.84	-31.89
Batteries	---	---	---
TOTAL COMPLIANCE	**820.89**	**814.79**	**6.1 (0.7%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	307.27	307.27	---
Process	73.46	73.46	---
Other Ltg	0.56	0.56	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**1202.18**	**1196.08**	**6.1 (0.5%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)

	COMPLIES[2]		
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Space Heating	99.85	94.46	5.39
Space Cooling	15.8	18.39	-2.59
Indoor Fans	19.78	18.67	1.11
Heat Rejection	0	0	0
Pumps & Misc.	0.01	0.02	-0.01
Domestic Hot Water	5.88	8.48	-2.6
Indoor Lighting	6.83	6.97	-0.14
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**148.15**	**146.99**	**1.16 (0.8%)**
Photovoltaics	-3.44	-2.28	-1.16
Batteries	---	---	---
TOTAL COMPLIANCE	**144.71**	**144.71**	**0 (0%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Receptacle	40.91	40.91	---
Process	8.08	8.08	---
Other Ltg	0.05	0.05	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**193.75**	**193.75**	**0 (0%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

C7. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	0	0	0	3697.9	3498.2	199.7
Space Cooling	243.1	254.4	-11.3	---	---	---
Indoor Fans	271.1	229.2	41.9	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	0.1	0.1	0	---	---	---
Domestic Hot Water	12.4	0.2	12.2	181.1	313.3	-132.2
Indoor Lighting	92.8	94.8	-2	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	**619.5**	**578.7**	**40.8**	**3879**	**3811.5**	**67.5**
Photovoltaics	-169.9	-113.2	-56.7	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	**449.6**	**465.5**	**-15.9**	**3879**	**3811.5**	**67.5**
Receptacle	333.4	333.4	0	487.5	487.5	0
Process	90.4	90.4	0	---	---	---
Other Ltg	0.7	0.7	0	---	---	---
Process Motors	---	---	---	---	---	---
ENERGY USE TOTAL	**874.1**	**890**	**-15.9**	**4366.5**	**4299**	**67.5**

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft² / yr)	Proposed Design (kBtu/ft² / yr)	Margin (kBtu/ft² / yr)	Margin Percentage
GROSS EUI[1]	227.5	221.57	5.93	2.61
NET EUI[1]	210.87	210.49	0.38	0.18

[1] *Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.*

D1. EXCEPTIONAL CONDITIONS

• The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model.
• This project includes partial performance compliance scope options. The building must show compliance with all other applicable compliance scope options (performance or prescriptively) before occupying.
• The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.
• The proposed building includes space(s) that are modeled with unknown HVAC system(s). Verify that the spaces modeled with unknown HVAC system(s) are either part of core and shell analysis which will be permitted for mechanical compliance in the future, or the spaces have an existing HVAC system not modeled for compliance, or the compliance scope does not include mechanical.
• PV/Battery Building Type has been modified from software defaults for one or more spaces. Review project's PV/Battery Building Type(s) with documentation author. Refer to Energy Code section 140.10 for Nonresidential or 170.2(g) for more information.

F1. REQUIRED PV SYSTEMS

01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception[1]	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
69		Standard (14-17%)	Fixed	none	false	180	Degrees	22	4.85	96	100

[1] *See Table D1 for any PV exceptions used.*

F1B. PV BATTERY BUILDING TYPE(S)

01	02	03
Building Occupancy Type* [From Table 140.10-A/B and 170.2-U/V]	Conditioned Floor Area (ft²)	Unconditioned Floor Area (ft²)
Grocery	0	0
High-Rise Multifamily	0	0
Office, Financial Institutions, Unleased Tenant Space	34491.3	135
Retail	0	0
School	0	225
Warehouse	0	0
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	0	0
None	0	0

Building Occupancy Types are defined in Section 100.1 of the Energy Code

F2. BATTERY SYSTEMS[1]

01	02	03	04	05	06	07
Control	Capacity (kWh)	Charging Efficiency	Charging Rate (kW)	Discharging Efficiency	Discharging Rate (kW)	Round Trip Efficiency
Basic	103	N/A	25	N/A	25	0.9

[1] *See Table D1 for any Battery exceptions used.*

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
North-Facing[1]	4000.13	2274.06	56.85
East-Facing[2]	6246.38	5570.95	89.19
South-Facing[3]	3773.44	1518.5	40.24
West-Facing[4]	6000.39	593.01	9.88
Total	**20020.3**	**9956.52**	**49.73**
Roof	21084.1	0	0

Notes
[1] *North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),*
[2] *East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),*
[3] *South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),*
[4] *West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),*

G2A. ROOFING PRODUCT SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06
Assembly Name	Roof Pitch	Roof Rise (x in 12)	Aged Solar Reflectance	Thermal Emittance	SRI
Metal Deck R30 Rigid18	LowSlope	N/A	0.7	0.9	N/A

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
Com-Floor 1	No air barrier
Com-Floor 2	No air barrier

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
Slab On Grade10	Underground Floor	20,290.3	N/A	0	N/A	N/A	F-factor	0.73	Slab Type =Unheated slab on grade Insulation Orientation =None Insulation R-Value =none	N
Metal Frame R-19 W/2 R1212	Exterior Wall	20,528.2	Metal	19	N/A	12	U-factor	0.0537	Stucco - 3/8 in. Compliance Insulation R12.00 Gypsum Board - 5/8 in. Composite-1 Gypsum Board - 5/8 in.	N
Metal Deck R30 Rigid18	Roof	20,918.1	N/A	0	N/A	35.21	U-factor	0.0273	Single Ply Roofing - 1/4 in. Hardboard - HDF - 50 lb/ft3 - 1/2 in. Cellular polyisocyanurate (unfaced) - 6 in. R35 Metal Deck - 1/16 in.	N
INTERIOR WALL59	Interior Wall	4,593	Metal	15	N/A	N/A	U-factor	0.1832	Gypsum Board - 1/2 in. Composite-2 Gypsum Board - 1/2 in.	N
INTERIOR FLOOR172	Interior Floor	13,989	N/A	0	N/A	N/A	U-factor	0.2375	Metal Deck - 1/16 in. Concrete - 140 lb/ft3 - 4 in. Carpet - 3/4 in.	N
R-19 Floor Crawlspace328	Exterior Floor	572	Wood	19	N/A	N/A	U-factor	0.0468	Air - Floor - 3 1/2 in. Composite-7 Plywood - 1/2 in. Carpet - 3/4 in.	N

[1] *Status: N - New, A - Altered, E - Existing*

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
R-38 Roof Attic338	Roof	393.19	Wood	38	N/A	N/A	U-factor	0.0329	AsphaltShingleS0_25In Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite-4 Gypsum Board - 1/2 in.	N
copy of INTERIOR WALL378	Interior Wall	322	Metal	25	N/A	N/A	U-factor	0.1419	Gypsum Board - 1/2 in. Composite-5 Gypsum Board - 1/2 in.	N

[1] *Status: N - New, A - Altered, E - Existing*

G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	Area (ft²)	Overall U-factor	Status[1]
Metal Door16	384	0.7	N

[1] *Status: N - New, A - Altered, E - Existing*

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method[1]	Assembly Method	Area (ft²)	Overall U-factor	Overall SHGC	Overall VT	Status[2]
Solarban 70 XL (STOREFRONT)	Vertical fenestration Curtain wall N/A	NFRC	Site built	8,437.33	0.41	0.26	0.46	N
Solarban 70 XL GLASS DOOR	Vertical fenestration Glazed door N/A	NFRC	Site built	437	0.45	0.23	0.17	N
Solarban 70 XL (FIXED)	Vertical fenestration Fixed window N/A	NFRC	Site built	498.75	0.34	0.22	0.42	N
Solarban 70 XL (SPANDREL PANEL)	Vertical fenestration Curtain wall N/A	NFRC	Site built	583.44	0.41	0.01	0.01	N

[1] *Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*
[2] *Status: N - New, A - Altered, E - Existing*

I3. WATER HEATER EQUIPMENT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value Int/Ext	Standby Loss Fraction	1st Hr. Rating or Flow Rate (gal)	Heat Pump Type	Tank Location or Ambient Condition
A O Smith BTH-50QA3	Natural Gas	Instantaneous	2	119	499.9	kBtu/Hr	0.95	TE	N/A	0.09	N/A	N/A	N/A
A O Smith DEL-404	Electricity	Storage	1	40	5.27	kW	0.93	UEF	N/A	N/A	80	N/A	N/A

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Plumbing	NRCI-PLB-E - For all buildings with Plumbing Systems
	NRCI-SAB-E - Solar Water Heating, PV and Battery Storage Systems
Covered Process	NRCI-PRC-01-E - Must be submitted for all Covered Processes

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title & System Name(s)
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Covered Process	NRCA-PRC-02-F Kitchen Exhaust
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	AH-1, AH-2, AH-3, AH-4 and AH-56.
Mechanical	NRCA-MCH-05-A - Air Economizer Controls
	AH-1, AH-2, AH-3, AH-4 and AH-56.
Mechanical	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.
	AH-1, AH-2 and AH-4.
Mechanical	NRCA-MCH-07-A Supply Fan Variable Flow Controls
	AH-1, AH-2, AH-3, AH-4 and AH-56.
Mechanical	NRCA-MCH-08-A Valve Leakage Test
	CH-11 - HotWater and CH-11 - ChillSys.

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title & System Name(s)
Mechanical	NRCA-MCH-09-A Supply Water Temperature Reset Controls
	CH-11 - HotWater and CH-11 - ChillSys.
Mechanical	NRCA-MCH-10-A Hydronic System Variable Flow Controls
	CH-11 - HotWater and CH-11 - ChillSys.
Mechanical	NRCA-MCH-11-A Automatic Demand Shed Controls
	AH-1, AH-2, AH-3, AH-4 and AH-56.
Mechanical	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
	AH-1, AH-2, AH-3, AH-4 and AH-56.
Mechanical	NRCA-MCH-16-A Supply Air Temperature Reset Controls
	AH-1, AH-2, AH-3, AH-4 and AH-56.

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

There are no Certificates of Verification applicable to this project

Teter, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of professional service, is not to be used in whole or in part, for any other project without prior written authorization.

MARK	DATE	DESCRIPTION
	8/14/26	DSA BACKCHECK

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
TITLE 24 DOCUMENTATION

PROJECT NO.
23-12499

DRAWING
M900

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	**NRCC-PRF-E**
Nonresidential Performance Compliance Method	**(Page 17 of 17)**

Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: MATT SODERSTROM	Documentation Author Signature: Matt Soderstrom
Company: Teter Architects & Engineers	Signature Date: 07/19/25
Address: 7535 N PALM AVE STE 201	CEA/HERS Certification Identification (if applicable):
City/State/Zip: , FRESNO, CA 93711	Phone: 559-437-0887

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: STEVEN JONES	Responsible Designer Signature:
Company: TETER	
Address: 7535 N PALM AVE STE 201	Date Signed: 07/19/25
City/State/Zip: FRESNO, CA 93711	License #: M32797
Phone: 559-437-0887	Title: MEOR Scope: MECHANICAL

STATE OF CALIFORNIA
Process Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-PRC-E**
This form is used to document any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in 120.6/ 160.7 or prescriptive requirements in 140.9. This compliance document is used for newly constructed, addition and alteration projects.	
Project Name: COS STUDENT UNION	**Report Page:** **(Page 1 of 7)**
Project Address:	**Date Prepared:** 7/28/2025

A. GENERAL INFORMATION

01	Project Location (city)	VISALIA	04	Total Conditioned Floor Area	34491
02	Climate Zone	13	05	Total Unconditioned Floor Area	360
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	2

● Grocery ● Office ● Retail ● Support Areas ● Warehouse ● All Other Occupancies

B. PROJECT SCOPE

This table includes process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in 120.6 / 160.7 or prescriptive requirements in 140.9.

My project consists of: (check all that apply:

01	02
☒ Refrigerated Spaces <3,000 ft² Total (no Title 24, Pt6 requirements)	☐ Escalator & Moving Walkway Speed Controls (mandatory 120.6(g))
☐ Refrigerated Spaces >=3,000 ft² Total (mandatory 120.6(a))	☐ Computer Rooms (mandatory 120.6(j) and prescriptive 140.9(a))[1]
☐ Food /Beverage Stores >8,000 ft² cfa (mandatory 120.6(b))	☒ Commercial Kitchen Ventilation/Exhaust (prescriptive 140.9(b))[1]
☐ Enclosed Parking Garage Exhaust >=10,000 cfm (mandatory 120.6(i))	☐ Laboratory Exhaust/Factory Exhaust & Fume Hood (prescriptive 140.9(c))[1]
☐ Newly Installed Process Boilers (mandatory 120.6(d))	☐ Pool/Spa (mandatory 110. 4 / 160.7)
☐ Compressed Air Systems Combined HP >= 25 (mandatory 120.6(e))	☐ Controlled Environment Horticulture (mandatory 120.6(h))
☒ Elevator Lighting & Ventilation Controls (mandatory 120.6(f) / 160.7)	☐ New Steam Traps (mandatory 120.6(i))

[1] *FOOTNOTES: These building features can comply using the performance method. If using the performance method for these features, compliance should be demonstrated on the NRCC-PRF-E.*

Alert! Refrigerated Warehouses and refrigerated spaces that are less than 3,000 square feet do not have requirements under Title 24, Part 6 and therefore are not documented on the NRCC-PRC-E. Systems serving these spaces shall meet the requirements of the Appliance Efficiency Regulations for walk-in coolers or freezers contained in the Appliance Efficiency Regulations (California Code of Regulations, Title 20, Sections 1601 through 1608).

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C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through R. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Refrigerated Warehouse / Space 120.6(a) (See Table F)	Commercial Refrigeration n 120.6(b) (See Table G)	Parking Garage Exhaust 120.6(c) (See Table H)	Process Boilers 120.6(d) (See Table I)	Compressed Air Systems 120.6(e) (See Table J)	Elevators 120.6(f) / 160.7 (See Table K)	Escalators & Moving Walkways 120.6(g) (See Table L)	Computer Rooms 140.9(a) (See Table M)	Commercial Kitchens 140.9(b) (See Table N)	Laboratory/ Factory Exhaust 140.9(c) (See Table O)	Controlled Environment Horticulture 120.6(h) (See Table P)	Steam Traps 120.6(i) (See Table Q)	Multifamily Pool/Spa 160.7 (See Table R)	**Compliance Results**
					Yes			Yes					COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. REFRIGERATED WAREHOUSES/SPACES

This section does not apply to this project.

G. COMMERCIAL REFRIGERATION

This section does not apply to this project.

H. ENCLOSED PARKING GARAGE EXHAUST

This section does not apply to this project.

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I. PROCESS BOILER

This section does not apply to this project.

J. COMPRESSED AIR SYSTEMS

This section does not apply to this project.

K. ELEVATOR LIGHTING AND VENTILATION

The table includes all elevator lighting and ventilation systems within the scope of the permit application to show compliance with the requirements of 120.6(f) / 160.7

01	02	03	04	05	06	07	08
Lighting 120.6(f)1 & 120.6(f)3 / 160.7							
Elevator Name or Item Tag	Elevator Area (ft²)	Fixture Name or Item Tag	Watts per Fixture	Number of Fixtures	Power per Design (W)	Maximum Power Allowed[1]	Controls
001	42	001	25	1	25	25.2	Occupancy sensors provided
		Total Design Watts			25	25.2	
09	10	11	12	13	14	15	
Ventilation 120.6(f)2 & 120.6(f)3 / 160.7							
Name or Item Tag	Conditioned Cab?	Fan Power (Watts)	Design Airflow (CFM)	Design Watts per CFM	Maximum Watts per CFM Allowed	Controls	
001	No	9.9	30	0.33	0.33	Occupancy sensors provided	

[1] *FOOTNOTE: 0.6 watts per ft² allowed per 120.6(f)1. Interior signal lighting and display lighting not included in power density calculation.*

16	Indicate where in the construction documents these requirements can be verified

L. ESCALATORS AND MOVING WALKWAYS SPEED CONTROLS

This section does not apply to this project.

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M. COMPUTER ROOM SYSTEM SUMMARY

This section does not apply to this project.

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION

This table contains all new and replacement hoods being installed within the scope of the permit application. Table N is used to demonstrate compliance with prescriptive requirements found in 140.9(b).

Kitchen Ventilation 140.9(b)2

01	☐	Existing kitchen hoods not being replaced as part of an addition or alteration (do not need to meet requirements)

	Requirements
02	Replacement Air to Hood Compliance Method 140.9(b)1A
	Not providing replacement air directly to the hood(s)
03	Mechanically cooled or heated makeup air delivered to any space with a kitchen hood is designed per 140.9(b)2A to not exceed the greater of:
	The hood exhaust flow minus the available transfer air from adjacent spaces
04	Location that is supplying transfer air:
05	The kitchen/ dining facility has a total Type I and Type II kitchen hood exhaust airflow > 5000 cfm and is designed to have one of the following per 140.9(b)2B:
	Demand ventilation system(s) on at least 75% of the exhaust air per 140.9(b)2Bii

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N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION

Kitchen Exhaust: Airflow Rate 140.9(b)1B

01	Kitchen Name or Item Tag	Kitchen	Compliance Method per 140.9(b)1B		Type1 hood design exhaust rates do not exceed the maximum allowed per §140.9(b)1 as documented below	
02	03	04	05	06	07	08
Name or Item Tag	Hood Type[1]	Hood Style	Hood Length (ft)	Equipment Duty	Design Hood Exhaust Rate CFM	Max Hood Exhaust Rate Allowed CFM
KH-1	Type I	Wall-mounted Canopy	11.8	Heavy Duty	2232	3290
KH-2	Type I	Wall-mounted Canopy	7	Heavy Duty	1330	1960
KH-3	Type I	Wall-mounted Canopy	13.5	Heavy Duty	3038	3780
KH-4	Type I	Wall-mounted Canopy	4.8	Heavy Duty	1050	1330
KH-5F	Type I	Double Island	9.5	Heavy Duty	2042	2660
KH-5B	Type I	Double Island	9.5	Heavy Duty	2042	2660
KH-6F	Type I	Double Island	5.5	Heavy Duty	1100	1540
KH-6B	Type I	Double Island	5.5	Heavy Duty	1100	1540
KH-7	Type I	Wall-mounted Canopy	12	Heavy Duty	1800	3360
KH-8	Type II	Wall-mounted Canopy	3.5	Heavy Duty	700	980

[1] *FOOTNOTES: Type II hoods do not have a max hood exhaust air rate per 140.9(b)1B*

O. LABORATORY AND FACTORY EXHAUST AND FUME HOODS

This section does not apply to this project.

P. CONTROLLED ENVIRONMENT HORTICULTURE

This section does not apply to this project.

Q. STEAM TRAPS IN INDUSTRIAL FACILITIES

This section does not apply to this project.

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R. Pool & SPAs

This section does not apply to this project.

S. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC/

Form/Title
NRCI-PRC-01-E - Covered Process

T. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-PRC-02-F Kitchen Exhaust	KH-1; KH-2; KH-3; KH-4; KH-5F; KH-5B; KH-6F; KH-6B; KH-7; KH-8;
NRCA-PRC-12-F Elevator Lighting & Ventilation Controls	001;

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: MATTHEW SODERSTROM	Documentation Author Signature: Matt Soderstrom
Company: Teter Architects & Engineers	Signature Date: 07/28/25
Address: 7535 N PALM AVE STE 201	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: FRESNO, CA 93711	Phone: 559-437-0887

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: STEVEN JONES	Responsible Designer Signature:
Company: TETER	Date Signed: 2025-07-28
Address: 7535 N PALM AVE STE 201	License: M32797
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE	**NRCC-CXR-E**
This document is used to demonstrate compliance with mandatory commissioning requirements in 120.8 for nonresidential buildings and hotel/motel or mixed-use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.	
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Project Address:	**Date Prepared:** 2025-07-29T13:48:01-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Visalia	04	Building Size (ft²)	46792
02	Occupancy Type	Nonresidential	05		10,000 - 49,999 ft²
03	Project Type	Newly constructed	06		All other HVAC system types (indicates "complex")
			07	Climate Zone	13

B. PROJECT SCOPE

Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per 120.8. Table B is not editable by the user.

Commissioning Requirements per 120.8

01	Table F: Design Review Kickoff	120.8(d)1 and 120.8(d)2	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)	120.8(b)	The owner's project requirements establish the owner's goals, requirements and expectations for everything related to energy consumption and operation. This should be completed during schematic design.
03	Table H: Basis of Design (BOD)	120.8(c)	The basis of design documents the design elements such as calculations and product selections that meet the owner's project requirements and applicable regulatory requirements. This should be completed during schematic design.
04	Table I: Design Review	120.8(d) and 120.8(e)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with >= 10,000 ft² of nonresidential conditioned floor area, the design reviewer is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan	120.8(f)	The commissioning plan is developed by the commissioning provider with input from the designer and defines the scope of commissioning the project. This should be drafted during design and completed during early construction.
06	Table K: Functional Performance Testing	120.8(g)	Functional performance testing is conducted on building systems to demonstrate correct installation and operation.
07	Table L: Documentation and Training	120.8(h)	Documentation of the operational aspects of the building shall be completed within the Systems Manual and delivered to the building owner or representative and facilities operator.

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G. OWNER'S PROJECT REQUIREMENTS (OPR)

11	What are the project goals and requirements for building roof that will impact energy use?	The project goals and requirements for the building focus on minimizing heat gain/loss, enhancing insulation, and optimizing reflectivity to improve energy efficiency. Key considerations include high R-value insulation, cool roofing materials, air sealing, and compliance with Title 24, Part 6 to reduce HVAC loads and to improve thermal performance.
12	Additional notes regarding envelope efficiency	None.
Energy Efficiency Goals: HVAC Systems		
13	List the HVAC system types considered desirable, and ones that are not to be considered.	Desirable HVAC systems include VRF for zoning flexibility, chilled water systems for large building, DOAS for improved ventilation, packaged rooftop units for cost-effectiveness, and heat pump systems for efficient heating and cooling. Systems not to be considered include constant volume due to inefficiency, electric resistance heating for high costs, single-zone DX for limited control, and non-integrated exhaust for poor ventilation effectiveness.
14	What is the desired thermostatic setpoint range in the heating season, and cooling season?	The desired thermostatic setpoint range is 68-72°F during the heating season and 74-78°F during the cooling season. These ranges balance energy efficiency, occupant comfort, and compliance with industry standards.
15	What is the expected occupancy schedule? Will the occupants be allowed to override the mechanical system controls during "unoccupied hours"?	The expected occupancy schedule follows standard business or school hours, typically 7:00 AM to 6:00 PM, with reduced operation during evenings and weekends. Occupants will have limited override capability during unoccupied hours for after-hours use, with time and temperature restrictions to prevent excessive energy consumption.
16	Are there times during the day that the zone temperature is allowed to drift out of the temperature setpoint range? If so, how long and what times are acceptable.	Zone temperatures are allowed to drift outside the setpoint range during unoccupied periods and scheduled setbacks, typically during lunch breaks, after hours, or weekends. Acceptable drift times range from 30 minutes to 2 hours, depending on occupancy patterns and system recovery capabilities.
17	Is it acceptable to let the facility cool down to a night setback temperature in the winter?	Yes, it is acceptable to allow the facility to cool down to a night setback temperature in the winter, typically around 55-60°F, as long as it does not impact system recovery time or occupant comfort upon reoccupation.
18	Is it acceptable to let the facility temperature drift above setpoint during the summer evenings?	Yes, it is acceptable to let the facility temperature drift above setpoint during summer evenings, typically up to 85°F, as long as it does not affect system recovery time or occupant comfort when the building is reoccupied.
19	How many days out of the year is it acceptable to not meet the entire cooling/heating load?	It is acceptable to not meet the entire cooling or heating load for up to 20 days per year, provided these occurrences do not significantly impact occupant comfort, critical operations, or system performance.

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G. OWNER'S PROJECT REQUIREMENTS (OPR)

20	Are there zones with special temperature, humidity, air filtering, etc., requirements? If so, identify and list the special environmental control requirements.	Yes, certain zones require special environmental controls. Server rooms and data centers need tighter temperature control (68-75°F), and humidity between 40-60%.
21	What expectations are there around building ventilation?	Building ventilation must meet ASHRAE 62.1 standards and Title 24, Part 6 requirements, ensuring adequate outdoor air intake, air changes per hour (ACH), and CO2 monitoring for indoor air quality. Demand-controlled ventilation (DCV) and energy recovery ventilators (ERV) are expected where applicable to optimize efficiency while maintaining occupant comfort.
22	Is occupancy-based demand control ventilation (DCV) desired, or required?	Occupancy-based demand control ventilation (DCV) is required where mandated by Title 24, Part 6, and desired in other areas to optimize energy efficiency and indoor air quality. It should be implemented in spaces with variable occupancy, such as conference rooms, classrooms, and auditoriums.
23	Is a building automation system (BAS) desired? If so, what are the requirements of the BAS and what value is expected to be added with the BAS?	A Building Automation System (BAS) is desired to optimize energy efficiency, improve occupant comfort, and streamline maintenance. The BAS must provide centralized monitoring and control of HVAC, lighting, and ventilation, support trend logging and fault detection, and integrate with Title 24, Part 6 compliance requirements. Expected value includes reduced energy costs, improved system performance, proactive maintenance, and enhanced occupant comfort through automated scheduling and demand response capabilities.
24	Will zone setpoints be controlled locally by the user, or via the BAS only by the maintenance staff?	Zone setpoints will be controlled primarily via the BAS by maintenance staff, with limited local adjustment for occupants within a predefined range, typically +/-2°F from the default setpoint.
25	Explain the requirements of the HVAC system in regards to temperature, humidity and draft control.	The HVAC system must maintain stable temperature control within the designated setpoint ranges, typically 68-72°F for heating and 74-78°F for cooling. Humidity levels should remain within 40-60% to ensure comfort and prevent moisture-related issues. Draft control must minimize air velocity in occupied zones, preventing discomfort from excessive airflow while ensuring proper ventilation and air distribution.
26	Explain the requirements of the facility in regards to indoor air quality	The facility must meet ASHRAE 62.1 and Title 24, Part 6 standards for indoor air quality, ensuring adequate ventilation rates, CO2 monitoring, and proper air filtration. Filtration must include MERV 13 or higher where required, and spaces with higher air quality needs, such as healthcare or labs, may require HEPA filters. Demand-controlled ventilation (DCV) should be implemented in high-occupancy areas to optimize fresh air intake while maintaining energy efficiency. Humidity levels must remain between 40-60% to prevent mold growth and maintain occupant comfort.

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B. PROJECT SCOPE

08	Table M: Commissioning Report	120.8(i)	A complete report of commissioning process activities undertaken through the design, construction and reporting recommendations for post-construction phases of the building project shall be completed and provided to the owner or representative.

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 120.8. This table is not editable by the user. If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09
Design Kickoff Review	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	COMPLIES
10	Matthew Soderstrom							COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DESIGN REVIEW KICKOFF MEETING

This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)1 and demonstrates compliance with design review kickoff requirements per 120.8(d)2. This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting		2024-09-06
02	Meeting Attendees: (one person may play multiple roles)		
☒	Owner/Facility Manager:	Byron Woods	☒ Design Reviewer(s): Matthew Soderstrom
☒	Project Manager:	Vivek Harris	☒ Design Architect/ Engineer(s): Steven Polanco
☐	Contractor:		☐ Certified Acceptance Test Tech(s):
☐	Commissioning Provider:		☐ Energy/ T24 Part 6 Consultant:

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)1

03	The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.	Do the Design Reviewer(s) meet these qualifications?	
		Yes	No
	In addition, for buildings with >= 50,000 ft ², or complex mechanical systems[1], the design reviewer(s) shall be a third party design engineer, architect, or contractor.	●	○
04	The design reviewer(s) for this project will be:	Matthew Soderstrom	

Preliminary Construction Schedule

	Start Date	**Completion Date**
05	Schematic Design	2024-09-24	2024-12-05
06	Design Development	2025-01-23	2025-05-01
07	Construction Documents	2025-05-05	2025-07-18
08	Construction	2026-09-14	2028-06-23
09	Building Turnover	2028-06-23	2028-09-15

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G. OWNER'S PROJECT REQUIREMENTS (OPR)

27	What are the acoustic requirements of the HVAC system within the various spaces of the facility?	The HVAC system must meet NC (Noise Criterion) levels appropriate for each space, ensuring occupant comfort and minimal disruption. Office spaces, classrooms, and conference rooms should maintain NC 25-30 for speech clarity, while lobbies and corridors can be NC 35-40. Mechanical rooms and equipment areas may have higher noise levels but require isolation to prevent transmission. Sound attenuation strategies include duct silencers, vibration isolation, and low-noise diffusers to maintain acoustic performance.
28	Describe the maintenance plan and how the HVAC design needs to address operation and maintenance issues.	The maintenance plan requires easy access to equipment, minimized service disruptions, and long-term reliability. The HVAC design must include clearly labeled components, accessible service points, and adequate clearance for routine maintenance and repairs. BAS integration should allow remote monitoring, diagnostics, and fault detection to reduce downtime. Filtration, drain pans, and coils must be designed for easy replacement and cleaning to maintain efficiency. Standardized equipment and readily available parts should be prioritized to simplify repairs and minimize costs.
29	Additional notes regarding HVAC system efficiency	None
Energy Efficiency Goals: Indoor Lighting Systems		
30	Describe specific lighting requirements including quality and glare.	The lighting system design must provide high-quality illumination that ensures visual comfort, energy efficiency, and compliance with Title 24, Part 6. Fixtures should have high CRI (Color Rendering Index) values (greater than or equal to 80) to maintain accurate color perception and reduce eye strain. Glare control will be achieved through shielded fixtures, diffusers, and appropriate beam angles to prevent discomfort and reflections on screens or work surfaces. Dimmable LED lighting with occupancy and daylight sensors will enhance efficiency while maintaining consistent light levels. The design prioritizes uniform distribution, minimal flicker, and adaptability for different tasks and space types.
31	List the desired types of lighting (if any) and ones that are not to be considered. (example: fluorescent in 2x2 grid, accent lighting, particular lamps)	None.
32	Describe (if any) task lighting requirements.	None.

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G. OWNER'S PROJECT REQUIREMENTS (OPR)

33	Describe any desired features of the lighting control system including occupancy, daylighting, and demand response if applicable.	The lighting control system must include occup

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G. OWNER'S PROJECT REQUIREMENTS (OPR)		
39	List the desired types of outdoor lighting, including lighting for building facade, landscape, walkways, roof-top, etc. if applicable.	None.
40	Describe any features of the outdoor lighting control system, including motion sensors, photocontrol, time-switch and automatic scheduling.	The outdoor lighting control system will include motion sensors for pathway and security lighting, activating only when movement is detected to reduce unnecessary energy use. Photocontrol sensors will automatically turn lights on at dusk and off/dim at dawn based on natural light levels. A time-switch system will schedule lighting for parking lots and building exteriors, ensuring operation only during necessary hours. Automatic scheduling through the BAS will adjust lighting based on occupancy patterns, demand response events, and seasonal variations, ensuring compliance with Title 24, Part 6 while minimizing energy consumption.
41	Describe how occupants will interact with the lighting control system (overrides etc)	Occupant will interact with the lighting control system through wall-mounted switches, dimmers, and touch panels in designated areas. Occupancy sensors will automatically turn lights on and off based on presence, while daylight sensors will adjust brightness as needed. Manual override will be available in select spaces, allowing temporary adjustments with auto-reset after a set period to maintain energy efficiency. BAS integration will enable centralized scheduling and demand response, ensuring compliance with Title 24, Part 6 while providing flexibility for occupant needs.
42	Additional notes regarding Outdoor lighting system efficiency	None.
Energy Efficiency Goals: Water Heating Systems		
43	Describe what the water heating system will be used for and expected demand?	The water heating system will be used for domestic hot water (Datterns, with peak loads occuHW) needs, including restrooms, kitchen facilities, janitorial sinks, and any other process-related heating demands. Expected demand will depend on occupancy, fixture count, and usage prira during morning and midday periods. The system must be sized to ensure consistent supply without excessive standby losses, incorporating high-efficiency heaters, recirculation loops, and demand-based controls to optimize energy use.
44	Describe the desired type (if any) of water heating system and those that should not be considered, (example: instantaneous, heatpump, manufacturer, etc.)	None.
45	What are the desired automation features and controls for the water heating system.	The water heating system should have BAS integration for remote monitoring, scheduling, and fault detection. Desired automation features include demand-based heating controls, temperature setback during unoccupied hours, and recirculation pump optimization to reduce standby losses.

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G. OWNER'S PROJECT REQUIREMENTS (OPR)		
46	What are the efficiency requirements of the water heating system?	The water heating system must meet or exceed Title 24, Part 6 efficiency requirements, with a focus on high thermal efficiency (greater than or equal to 90% for gas-fired systems), low standby losses, and optimized recirculation controls. Heat pump water heaters or condensing gas models are preferred for improved energy performance. Systems should incorporate insulated storage tanks, high-efficiency burners, or heat exchangers, and demand-based operation to minimize energy consumption.
47	Additional notes regarding Water Heating system efficiency.	None.
Operations and Maintenance Requirements		
48	Desired building life span	50 years
49	What are the broad goals relative to life cycle of the equipment?	Longevity of the equipment should be maximized.
50	What is the desired level of training and orientation for building occupants to understand and use the building systems?	Little to no occupant training should be required for efficient operation.
51	What is the desired level of training and orientation for O&M staff to understand and maintain the building systems?	Basic training required to operate and maintain the building systems and result in longevity of equipment and efficiency of operation.

H. BASIS OF DESIGN (BOD)				
This table is only completed if a BOD document is not attached to the permit application to demonstrate compliance with 120.8(c). If a specific field is not applicable to the project scope, "NA" is indicated in the table. Per 120.8(c), the BOD should be completed and updated during the design phase.				
		YES	NO	
01	Attaching Completed Basis of Design Document?	○	●	
02	Basis of Design Document Authors and Roles	Steven Jones, MEOR		
Title 24 Part 6 Compliance Approach				
03	Title 24 Part 6 Compliance Approach (select one)	☐ Prescriptive	☒ Performance	☐ Performance and Prescriptive Combined

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General Energy Efficiency Goals		
05	Energy Use Intensity (EUI)	Energy Use Intensity (EUI) will be calculated by dividing the total annual energy consumption (kBtu) by the building's total square footage (ft2). This includes energy from electricity, gas, and other fuels, normalized for occupancy and climate conditions to assess efficiency and benchmark performance.
06	Energy Cost Budget	Energy costs per square foot will be calculated by dividing the total annual energy cost ($) by the total building square footage (ft2). This will include electricity, gas, and other utility expenses, factoring in actual utility rates and demand charges.
Envelope Basis of Design		
07	Window to Wall Ratio	The target Window-to-Wall Ratio (WWR) is 40% or less to balance daylighting, thermal performance, and energy efficiency while complying with Title 24, Part 6 requirements. This helps minimize heat gain/loss while optimizing natural light and reducing HVAC loads.
08	Opaque Wall Assembly	The preliminary wall assemblies incorporate high R-value insulation, continuous air and vapor barriers, and reduced thermal bridging to enhance energy efficiency. Strategies include light-colored or reflective exterior finishes, airtight construction, and optimized thermal mass to meet the owner's goals for reduced energy consumption, improved occupant comfort, and compliance with Title 24, Part 6.
09	Window Performance	The preliminary fenestration performance targets include a U-value of 0.30, SHGC of 0.25, and VT of 0.40 to balance insulation, heat gain control, and daylighting efficiency. These values align with energy efficiency goals and Title 24, Part 6 requirements.
10	Response to OPR Document	The envelope design is the best choice to meet the Owner's Project Requirements (OPR) because it optimizes thermal performance, airtightness, and moisture control to reduce energy consumption and enhance occupant comfort. High-performance insulation, low U-value fenestration, and strategic shading minimize heat transfer and HVAC loads while ensuring compliance with Title 24, Part 6. Durable materials and airtight construction improve long-term efficiency, reducing maintenance costs and enhancing building resilience.

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HVAC System Basis of Design		
11	HVAC System Design	The HVAC design solution prioritizes energy efficiency, occupant comfort, and system reliability while complying with Title 24, Part 6. The system includes high-efficiency heating and cooling equipment, demand-controlled ventilation, and a Building Automation System (BAS) for optimized operation. Zoning strategies enhance performance and reduce energy consumption. The design ensures proper airflow distribution, humidity control, and acoustic considerations while providing easy access for maintenance to extend equipment lifespan and ensure long-term efficiency.
12	Heating System Description	The heating system consists of high-efficiency heat pump boilers located outdoors for optimal space utilization and maintenance access. Efficiency features include modular capacity control, chiller heat recovery, optimized heat exchangers, and demand-based operation to minimize energy consumption. Noise reduction is achieved through outdoor location, distance from building, and low-noise fans to ensure occupant comfort. Environmental benefits include reduced greenhouse gas emissions, lower energy demand, and compliance with Title 24, Part 6. Special features include BAS integration for remote monitoring, fault detection, and adaptive control strategies to enhance performance and reliability.
13	Cooling System Description	The cooling system consists of high-efficiency air-cooled heat pump chillers, located outdoors for optimal space utilization and maintenance access. Efficiency features include variable capacity compressors, energy recovery systems, and optimized control sequencing to reduce energy consumption. Noise reduction is achieved through low-noise fans, distance from building, and acoustic barriers to maintain occupant comfort. Environmental benefits include reduced refrigerant use, compliance with low-GWP refrigerant standards, and optimized energy efficiency to lower carbon emissions. Special features include BAS integration for remote monitoring, fault detection, and adaptive load management to enhance performance and reliability.
14	Ventilation System Description	Ventilation is provided through roof mounted air handlers with economizers. Efficiency features include demand-controlled ventilation (DCV) and high-efficiency fans to reduce energy consumption. Indoor air quality is enhanced through MERV-13 or higher filtration, CO2 monitoring, and humidity control to maintain a healthy environment. Special features include BAS integration for real-time monitoring, automated air balancing, and adaptive ventilation strategies to optimize the performance of the system.

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15	Control Intent Narrative/ Sequence of Operations	The Building Automation System (BAS) controls the HVAC, ventilation, and water heating to optimize energy efficiency, occupant comfort, and compliance with Title 24, Part 6. During occupied hours, the BAS maintains setpoints by modulating heating and cooling based on demand. Demand-controlled ventilation (DCV) adjusts outdoor air intake using CO2 sensors in high-occupancy spaces. Temperature setbacks apply during unoccupied hours, with night heating at 55–60°F and cooling drift up to 85°F to reduce energy use. The BAS schedules, monitors, and adjusts system operations to ensure peak performance and reliability.
16	Outside Air Supply	All spaces and zones will meet outside air ventilation requirements by using mechanical ventilation systems designed per ASHRAE 62.1 and Title 24, Part 6. Demand-controlled ventilation (DCV) will regulate airflow based on occupancy and CO2 levels. Minimum ventilation and exhaust rates will be calculated using occupant density, space type, and airflow per person and per square foot as defined in the OPR Document. The Building Automation System (BAS) will monitor and adjust airflow to ensure compliance while optimizing energy efficiency.
17	Load Calculation	The load calculation methodology follows ASHAE 90.1, ASHRAE 62.1, and Title 24, Part 6 to ensure compliance with the OPR document. Heating and cooling loads are determined using hourly climate data, internal heat gains, occupancy schedules, and envelope performance. Peak loads account for solar heat gain, infiltration, ventilation requirements, and equipment loads. Load diversity and zoning strategies optimize system capacity and efficiency. The calculations ensure right-sized equipment selection to balance energy efficiency, occupant comfort, and operational reliability.
18	Indoor Design Conditions	Occupied Spaces / Unoccupied Spaces Occupied Periods | Temp (°F) | Temp (°F) | Relative Humidity (%) Heating | 68 | 65 | 30 Cooling | 74 | 75 | 40 Unoccupied Periods | Temp (°F) | Temp (°F) | Relative Humidity (%) Heating | 55 | 55 | 30 Cooling | 85 | 85 | 60
19	Response to OPR Document	The HVAC design is the best choice to meet the Owner's Project Requirements (OPR) because it ensures energy efficiency, occupant comfort, and long-term reliability while complying with Title 24, Part 6. The system includes high-efficiency heating and cooling equipment and demand-controlled ventilation (DCV) to optimize performance.

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Indoor Lighting System Basis of Design		
20	Indoor Lighting System Narrative	The lighting design includes LED recessed fixtures for general illumination in office, classrooms, and corridors to ensure uniform brightness and energy efficiency. Linear LED fixtures will be used in hallways and open workspaces for modern aesthetics and low maintenance. Pendant and downlight fixtures will be considered for lobbies and gathering areas to enhance visual appeal. Task lighting will be incorporated in workstations where localized illumination is needed. Outdoor LED fixtures with full cutoff optics will provide security and pathway lighting while minimizing glare and light pollution. All fixtures will comply with Title 24, Part 6 for energy efficiency and lighting quality.
21	Fixture Types	The lighting design includes LED recessed fixtures for general illumination in office, classrooms, and corridors to ensure uniform brightness and energy efficiency. Linear LED fixtures will be used in hallways and open workspaces for modern aesthetics and low maintenance. Pendant and downlight fixtures will be considered for lobbies and gathering areas to enhance visual appeal. Task lighting will be incorporated in workstations where localized illumination is needed. Outdoor LED fixtures with full cutoff optics will provide security and pathway lighting while minimizing glare and light pollution. All fixtures will comply with Title 24, Part 6 for energy efficiency and lighting quality.
22	Lamp and Ballast Types	The design will use high-efficiency LED lamps throughout the facility to ensure energy savings, long lifespan, and low maintenance while complying with Title 24, Part 6. Fixtures will incorporate integrated LED drivers instead of traditional ballasts to improve performance and reduce flicker. Dimmable LED technology will be used in spaces requiring lighting control flexibility, while color temperatures between 3500K and 4000K will provide a balanced, comfortable environment. No fluorescent or HID ballasts will be considered due to inefficiency and high maintenance costs.
23	Control Types	The indoor lighting controls will include occupancy sensors for automatic on/off operation in offices, classrooms, restrooms, and common areas to reduce energy waste. Daylight sensors will adjust artificial lighting based on available natural light to optimize efficiency. Dimmable controls will be provided in multi-use spaces to allow flexibility for different activities. Time-based scheduling will be used for general lighting, with overrides available for after-hours use. BAS integration will enable remote monitoring, demand response, and system optimization to ensure compliance with Title 24, Part 6 while maintaining occupant comfort and energy efficiency.

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24	Control Intent Narrative/ Sequence of Operations	The indoor lighting controls will include occupancy sensors for automatic on/off operation in offices, classrooms, restrooms, and common areas to reduce energy waste. Daylight sensors will adjust artificial lighting based on available natural light to optimize efficiency. Dimmable controls will be provided in multi-use spaces to allow flexibility for different activities. Time-based scheduling will be used for general lighting, with overrides available for after-hours use. BAS integration will enable remote monitoring, demand response, and system optimization to ensure compliance with Title 24, Part 6 while maintaining occupant comfort and energy efficiency.
25	Response to OPR Document	The indoor lighting design meets the Owner's Project Requirements (OPR) by ensuring energy efficiency, occupant comfort, and compliance with Title 24, Part 6. LED fixtures with dimming, occupancy sensors, and daylight controls optimize performance while reducing energy costs. Balanced color temperatures and glare control enhance visual comfort for various tasks. BAS integration allows remote monitoring and scheduling, ensuring flexibility and long-term efficiency.
Outdoor Lighting System Basis of Design		
26	Outdoor Lighting System Narrative	The outdoor lighting system will use high-efficiency LED fixtures for pathways, parking lots, and building exteriors. Photocells and time-based controls will automate operation, ensuring lights activate at dusk and turn off at dawn or per schedule. Motion sensors will enhance security while reducing unnecessary energy use. Full cutoff optics will minimize glare and light pollution, ensuring compliance with Title 24, Part 6.
27	Fixture Types	The design includes LED recessed fixtures for offices and classrooms, linear LED fixtures for hallways, and pendant or downlights for lobbies and gathering spaces. Task lighting will be used in work areas, while outdoor LED fixtures with full cutoff optics will provide security and pathway lighting. All fixtures will comply with Title 24, Part 6 for efficiency and performance.
28	Lamp and Ballast Types	The design considers LED lamps for their energy efficiency and long lifespan, with integrated LED drivers to replace traditional ballasts. Dimmable LEDs will be used where flexibility is needed, and the color temperature will range from 3500K to 4000K for optimal lighting quality. This ensures compliance with Title 24, Part 6 and meets the owner's efficiency and maintenance goals.

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29	Control Types	The outdoor lighting system will include photocells for automatic on/off control based on daylight, motion sensors for security lighting, and time-based scheduling for consistent operation. BAS integration will enable remote control and demand response capabilities. These features ensure energy efficiency, security, and compliance with Title 24, Part 6 while meeting the owner's needs.
30	Control Intent Narrative/ Sequence of Operations	The outdoor lighting system will include photocells for automatic on/off control based on daylight, motion sensors for security lighting, and time-based scheduling for consistent operation. BAS integration will enable remote control and demand response capabilities. These features ensure energy efficiency, security, and compliance with Title 24, Part 6 while meeting the owner's needs.
31	Response to OPR Document	The outdoor lighting design meets the Owner's Project Requirements (OPR) by ensuring energy efficiency, safety, and compliance with Title 24, Part 6. LED fixtures with dimming, photocells and time-based controls, and motion sensors optimize performance while reducing energy costs. Balanced color temperatures and glare control enhance visual comfort and reduce light pollution. BAS integration allows remote control and demand response capabilities, providing low energy use while complying with Title 24, Part 6 requirements and meeting the owner's needs.
Water Heating System Basis of Design		
32	Water Heating System Narrative	The Domestic Hot Water (DHW) heating system will consist of gas-fired storage-tank water heaters located in a mechanical room. The water heaters will be highly efficient (greater than or equal to 90%) and will utilize circulation pumps to decrease water use and meet applicable health code requirements.
33	Water Heating Load Calculations	The Domestic Hot Water (DHW) demand was calculated based on the type and number of fixtures, occupancy, and health code requirements, and was sized to ensure a constant supply with minimal standby losses.
34	Response to OPR Document	The water heating design is the best choice to meet the Owner's Project Requirements (OPR) because it prioritizes energy efficiency, reliability, and compliance with Title 24, Part 6. The system includes high-efficiency condensing boilers, reducing energy consumption and operating costs. Insulated storage tanks, recirculation pumps, and demand-based controls ensure a consistent hot water supply while minimizing standby losses. BAS integration enables remote monitoring, fault detection, and scheduling for optimized performance. The design enhances long-term durability, reduces environmental impact, and meets occupancy demands efficiently.

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I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

This table is only completed if a design review document is not attached to permit application to demonstrate compliance with 120.8(b) and 120.8(e). For buildings with >= 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table H.), For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F. during the Design Review Kickoff

		YES	NO
01	Attaching Completed Design Review Documentation?	○	●
Design Review Checklist			
02	Envelope Design	The envelope design in the contract documents meets the Owner's Project Requirements (OPR) and Basis of Design (BOD) by optimizing insulation, airtightness, and fenestration performance to enhance energy efficiency and occupant comfort. The design incorporates high R-value walls, low U-value windows, and strategic shading to minimize heat transfer and HVAC loads while complying with Title 24, Part 6. During the design review, issues such as thermal bridging at structural connections, window-to-wall ratio compliance, and air leakage concerns were identified. These were resolved by adjusting insulation details, refining window placement, and improving air barrier continuity to ensure performance goals were met.
03	HVAC System Design	The HVAC system design in the contract documents meets the Owner's Project Requirements (OPR) and Basis of Design (BOD) by prioritizing energy efficiency, occupant comfort, and system reliability while complying with Title 24, Part 6. The system incorporates high-efficiency heating and cooling equipment and demand-controlled ventilation (DCV) to optimize performance and minimize energy waste. Zoning strategies and BAS integration allow for precise temperature control and airflow management, ensuring indoor air quality and thermal comfort. During the design review, issues such as equipment sizing discrepancies, airflow balancing concerns, and space constraints for mechanical systems were identified. These were resolved by refining load calculations, adjusting ductwork layouts, and optimizing mechanical room configurations to meet design intent and operational efficiency. The final design ensures low operating costs, ease of maintenance, and long-term system durability while fully aligning with the OPR and BOD.
04	HVAC Controls Design	The HVAC controls design in the contract documents meets the Owner's Project Requirements (OPR) and Basis of Design (BOD) by ensuring efficient system operation, occupant comfort, and energy optimization while complying with Title 24, Part 6. The controls include BAS integration for centralized monitoring, scheduling, fault detection, and trend logging to enhance system performance and maintain efficiency. Demand-controlled ventilation (DCV), temperature setbacks, and adaptive load management optimize energy use while maintaining indoor air quality and thermal comfort. During the design review, issues such as sensor placement inconsistencies, sequence of operations conflicts, and BAS interoperability concerns were identified. These were resolved by revising sensor layouts, refining control sequences, and ensuring compatibility between control components and the BAS. The final design provides seamless automation, reduced energy waste, and intuitive system management, fully aligning with the OPR and BOD.
05	Indoor Lighting System Design	Contract documents meet the OPR as outlined in the BOD. No issues were identified.
06	Indoor Lighting Controls Design	None.Contract documents meet the OPR as outlined in the BOD. No issues were identified.

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I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

07	Outdoor Lighting System and Controls Design	Contract documents meet the OPR as outlined in the BOD. No issues were identified.
08	Water Heating System Design	The water heating design meets the Owner's Project Requirements (OPR) by using high-efficiency condensing boilers and heat pump systems, along with insulated storage tanks and demand-based recirculation controls. Issues with recirculation loop efficiency were resolved by optimizing pump sizing and adjusting piping layout for better performance and energy savings.
09	Other Systems and Features	Building siting and landscaping were designed to achieve the owner requirements for EUI and energy cost per square foot. No issues identified.

J. COMMISSIONING PLAN

This table is only completed if a Commissioning Plan document is not attached to permit application to demonstrate compliance with 120.8(f). Per 120.8(f), the Commissioning Plan is to be started during the design phase and a completed draft must be submitted with permit application

		YES	NO
01	Attaching Completed Commissioning Plan?	○	●
02	Commissioning Plan Authors and Roles	TBD	

Commissioning Provider Information					
03	Company Name	TBD	05	Contact Email	TBD@gmail.com
04	Contact Person	TBD	06	Contact Phone	TBD

Commissioning Process Overview		
07	Owner Goals	The goals for the commissioning process include ensuring that all systems meet code requirements such as Title 24, Part 6, and that the system functions as outlined in the Owner's Project Requirements (OPR) and Basis of Design (BOD). The process will verify that HVAC, lighting, and water heating systems perform efficiently, are correctly calibrated, and operate according to the design intent. Additionally, it will confirm that systems are optimized for energy efficiency, occupant comfort, and long-term reliability, and that operational training and documentation are provided to support facility management.
08	Roles and Responsibilities	The commissioning provider oversees the process, ensuring systems meet design goals and compliance. The owner/representative ensures alignment with project goals. The design team creates systems that meet code and performance requirements, while the construction manager ensures project milestones are met. Contractors install systems, with the CATT handling testing and compliance. The testing and balancing contractor ensures proper system balance, and equipment suppliers provide and ensure equipment meets specifications. The building inspector confirms code compliance.

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J. COMMISSIONING PLAN

09	Schedule	The commissioning and acceptance testing process will be integrated into the construction schedule by starting early with pre-installation reviews and continuing through system installation and startup. Testing will occur after equipment installation and prior to system handover, with key milestones set for functional performance tests, adjustments, and verification. The process will be closely coordinated with the construction manager to ensure that testing does not delay other construction activities. Acceptance testing will occur once systems are fully operational, and any necessary adjustments will be made before final handover.
Commissioning Activities During Construction		
10	Construction Observation	Jobsite observations will be conducted throughout the construction phase, with key points during installation, system startup, and pre-functional testing. The intent of these observations is to ensure compliance with design specifications, identify any installation issues, and verify that systems are being installed and configured correctly. Observations also aim to assess quality control, identify potential system conflicts, and ensure that all equipment is properly installed for commissioning and acceptance testing.
11	Issues Logs	Issues logs will be used to track and document any discrepancies, non-compliance, or unresolved issues identified during commissioning and testing. These logs will be regularly updated and submitted to the commissioning provider, construction manager, and design team for review and resolution. Once issues are addressed, they will be retested and the logs updated for recertification. The final, verified issues log will be submitted to the owner/representative for approval before project completion.
12	Installation Verification	The installation verification process includes reviewing the installation of equipment, systems, and components to ensure compliance with design specifications. The commissioning provider will conduct visual inspections, confirm proper system configuration, and ensure all components are installed per the design documents. Contractors are responsible for ensuring their installations follow manufacturer guidelines and meet code requirements. The design team will verify that the installations align with the Basis of Design (BOD).
13	Functional Performance Testing	During functional performance testing, the Commissioning Provider will oversee the process to ensure systems operate as intended, aligning with the Owner's Project Requirements (OPR) and Basis of Design (BOD). The Acceptance Test Technician (CATT) will conduct the actual testing, using specified test procedures to measure system performance and document results. The Subcontractors will provide support by ensuring all equipment is correctly installed, adjusted, and operating as required for testing. The commissioning Provider will review test results, coordinate issue resolution, and ensure that all systems pass the performance tests before final acceptance.
14	Documentation and Training	The Commissioning Provider will review the operation manuals to ensure they include accurate information about system operation, maintenance, and troubleshooting procedure. The provider will coordinate with the design team and contractors to ensure manuals meet project requirements. Following the review, the Commissioning Provider will facilitate training sessions for the owner and maintenance staff to ensure they understand the system's operation, controls, and preventative maintenance needs. These sessions will cover daily operation, system adjustments, troubleshooting, and how to use the BAS for monitoring and control.

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K. FUNCTIONAL PERFORMANCE TESTING

The table below is completed to demonstrate compliance with functional performance testing requirements per 120.8(g).

By checking this box, the responsible party[1] certifies that functional performance testing will be executed to demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the acceptance test requirements in 120.5, 130.4 and 140.9. The functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.	01 ☒

The following acceptance tests have been identified as applicable to the project scope:[2]

02	03	04	05
System/ Equipment to be Tested	Brief description of functional performance test	Applicable Reference Appendix	Certified Acceptance Test Technician Required?
All fenestration	Fenestration thermal performance	NA7.4.1 Fenestration	No
AH-1,2,3,4,5,6	Outdoor Air	NA7.5.1 Outdoor Air	Yes
AH-1,2,3,4	Air Economizer Controls	NA7.5.4 Air Economizer Controls & Exhaust Heat Recovery	Yes
AH-1,2,3,4	Demand Control Ventilation Systems	NA7.5.5 DCV Systems	Yes
AH-1,2,3,4,5,6	Supply Fan Variable Flow Controls	NA7.5.6 Supply Variable Flow	Yes
Chilled Water & Heating Hot Water Systems	Valve Leakage Test	NA7.5.7 Valve Leakage	Yes
Chilled Water & Heating Hot Water Systems	Supply Water Temperature Reset Controls	NA7.5.8 Supply H2O Temp Reset	Yes
Chilled Water & Heating Hot Water Systems	Hydronic System Variable Flow Controls	NA7.5.9 Hydronic Variable Flow	Yes
EMS System	Automatic Demand Shed Control Acceptance	NA7.5.10 Demand Shed (HVAC)	Yes
AH-1,2,3,4	Automatic FDD for Air Handling Units and Zone Terminal Units	NA7.5.12 FDD for AHU's/ Zone TU's	Yes
AH-1,2,3,4	Supply Air Temperature Reset Controls	NA7.5.15 SA Temp Reset	Yes
Whole Building	Automatic Daylighting Controls Acceptance Tests	NA7.6.1 Daylighting Controls	Yes
Whole Building Demand Response	Demand Responsive Controls Acceptance Tests	NA7.6.3 Lighting Demand Response	Yes
Outdoor Lighting Systems	Motion Sensing Controls Acceptance Test	NA7.8.1 Motion Sensor	Yes
Outdoor Lighting Systems	Photocontrols Acceptance Tests	NA7.8.2 Photocontrol	Yes
Outdoor Lighting Systems	Automatic Scheduling Controls Acceptance Tests	NA7.8.5 Automatic Scheduling	Yes

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K. FUNCTIONAL PERFORMANCE TESTING

KH-1,2,3,4,5F,5B,6F,6B,7	Kitchen Exhaust Systems with Type I Hood Systems	NA7.11.1 Type I Hood Kitchen Exhaust	No
Elevator 001	Elevator Lighting and Ventilation Controls	NA7.14.1 Elevator Lighting and Ventilation	No

The acceptance tests required by Title 24, Part 6 outline the minimum functional performance testing scope to be conducted for compliance. However, the commissioning scope may include additional functional performance tests on systems or equipment not having acceptance tests required by Title 24 Part 6.

The following additional functional performance tests have been requested by the owner or owner's representative:

06	07
System/ Equipment to be Tested	Brief description of functional performance test
AH-1,2,3,4	Variable Air Volume Systems Outdoor Air Functional Test per NA7.5.1.1.2
Duct Systems	Air Distribution Systems Functional Testing per NA7.5.3.2
AH-1,2,3,4	Air Economizer Controls Functional Test per NA7.5.4.2
AH-1,2,3,4	Demand Control Ventilation System Functional Test per NA7.5.5.2
AH-1,2,3,4,5,6	Supply Fan Variable Flow Controls Functional Test per NA7.5.6.2
Chilled Water and Heating Hot Water Systems	Valve Leakage Test Functional Test per NA7.5.7.2
Chilled Water and Heating Hot Water Systems	Supply Water Temperature Reset Controls

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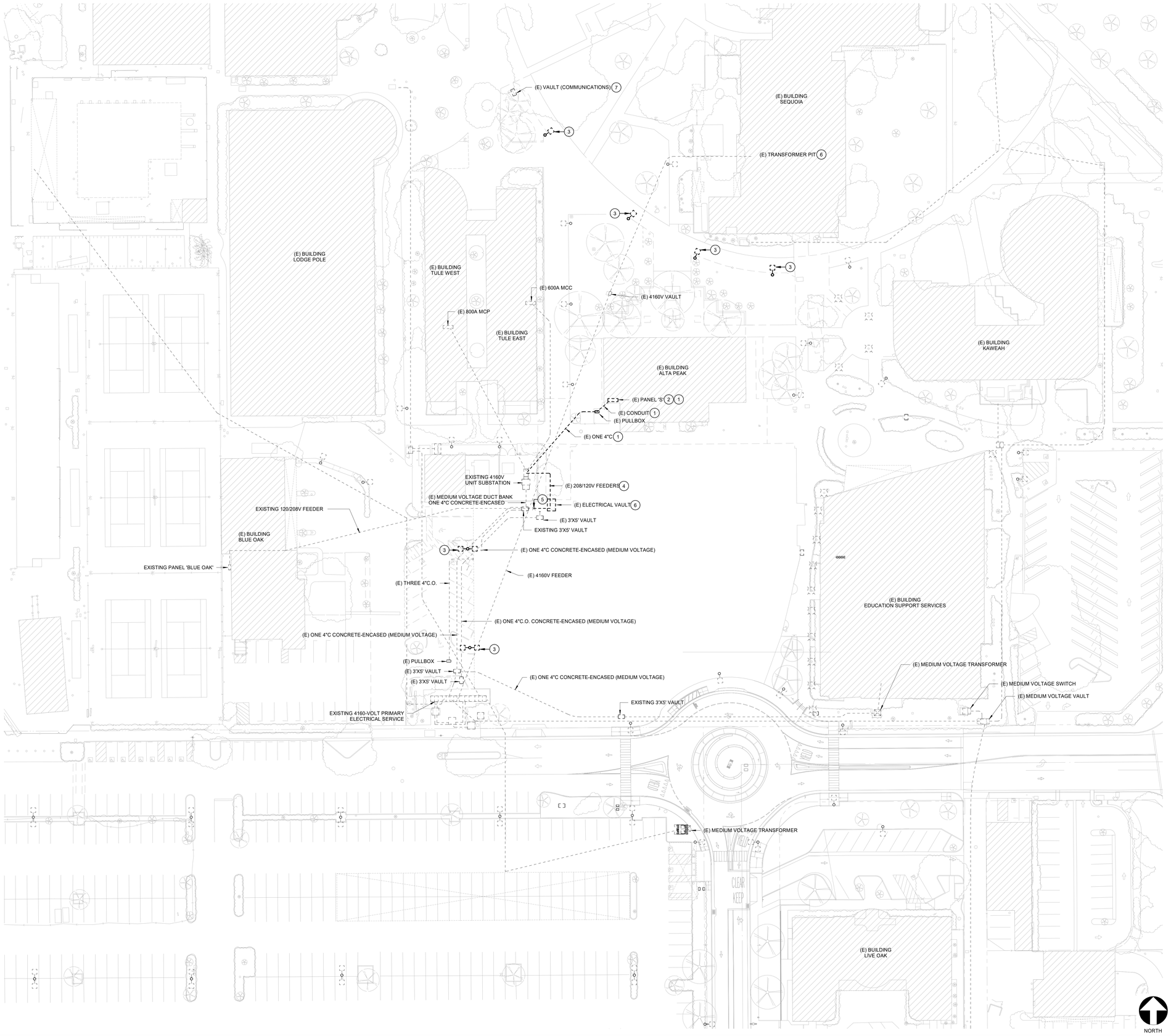

KEYNOTES

1. AFTER COMPLETION OF NEW STUDENT UNION BUILDING AND ALTA PEAK IS READY FOR DEMOLITION, DISCONNECT AND REMOVE EXISTING PANEL 'S' AND EXISTING FEEDER TO SOURCE AT EXISTING UNIT SUBSTATION. CAP SEAL AND ABANDON EXISTING CONDUIT.
2. EXISTING PANEL 'S' SHALL REMAIN TO ALLOW FOR CONTINUOUS OPERATION OF EXISTING ALTA-PEAK BUILDING UNTIL COORDINATED PHASED DEMOLITION OF EXISTING BUILDING AFTER COMPLETION OF NEW STUDENT UNION BUILDING.
3. DISCONNECT AND REMOVE EXISTING LIGHT POLE AND EXISTING CONDUCTORS TO SOURCE. CAP, SEAL, AND ABANDON EXISTING CONDUIT. SALVAGE EXISTING LIGHT POLE TO FACILITATE INSTALLATION AT NEW LOCATION.
4. DISCONNECT EXISTING FEEDER CONDUCTORS TO EXISTING PULLBOX FOR EXISTING BLUE OAK PANEL. DISCONNECT AND REMOVE EXISTING CONDUIT TO PULLBOX.
5. DISCONNECT AND REMOVE EXISTING PORTION OF CONDUIT FROM EXISTING PULLBOX. PRESERVE EXISTING FEEDER CONDUCTOR TO BLUE OAK PANEL.
6. DISCONNECT AND REMOVE EXISTING VAULT.
7. PROVIDE NEW TRAFFIC RATED LID FOR EXISTING VAULT AND INSTALL FLUSH WITH NEW GRADE.

DEMOLITION NOTES

A. ELECTRICAL FACILITIES SHOWN DASHED ARE EXISTING:
   1. THOSE SHOWN LIGHTWEIGHT (FADED) SHALL REMAIN AND REQUIRE MODIFICATION AS NOTED.
   2. THOSE SHOWN HEAVYWEIGHT (DARK) REQUIRE REMOVAL OR RELOCATION AS NOTED.

B. EXISTING ELECTRICAL FACILITIES AND CIRCUITING SHOWN ARE BASED ON LIMITED RECORD DRAWINGS AND LIMITED SITE VISITS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND RING OUT EXISTING CIRCUITS TO DETERMINE EXACT ROUTING.

ELECTRICAL SITE DEMOLITION PLAN

1" = 30'-0" | 1

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COLLEGE OF THE SEQUOIAS
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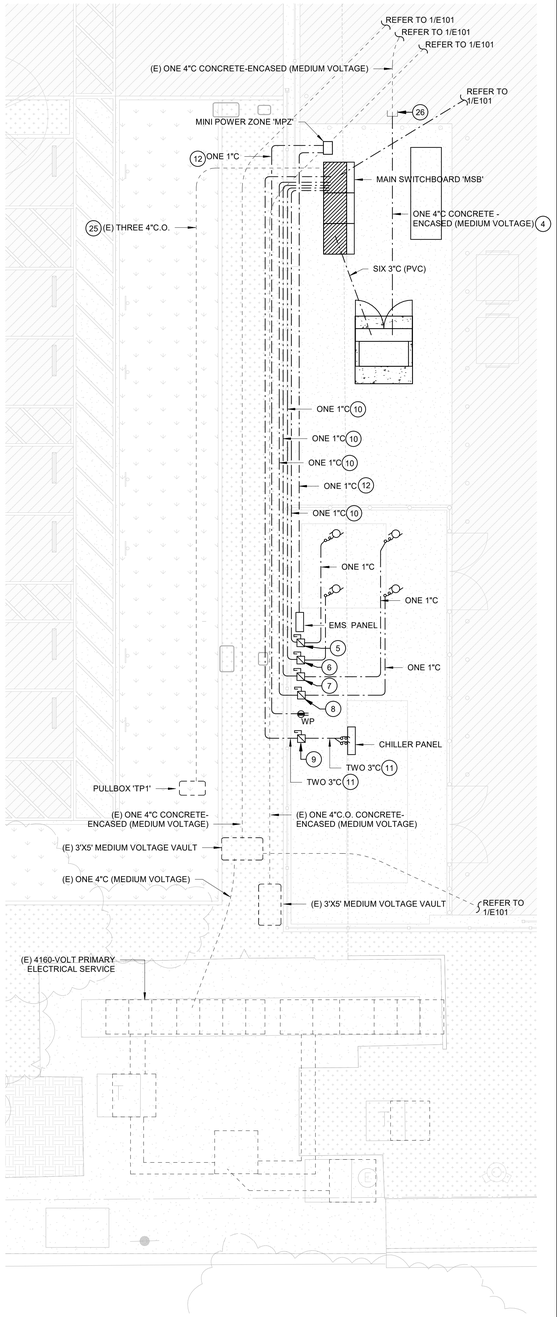
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL SITE DEMOLITION PLAN

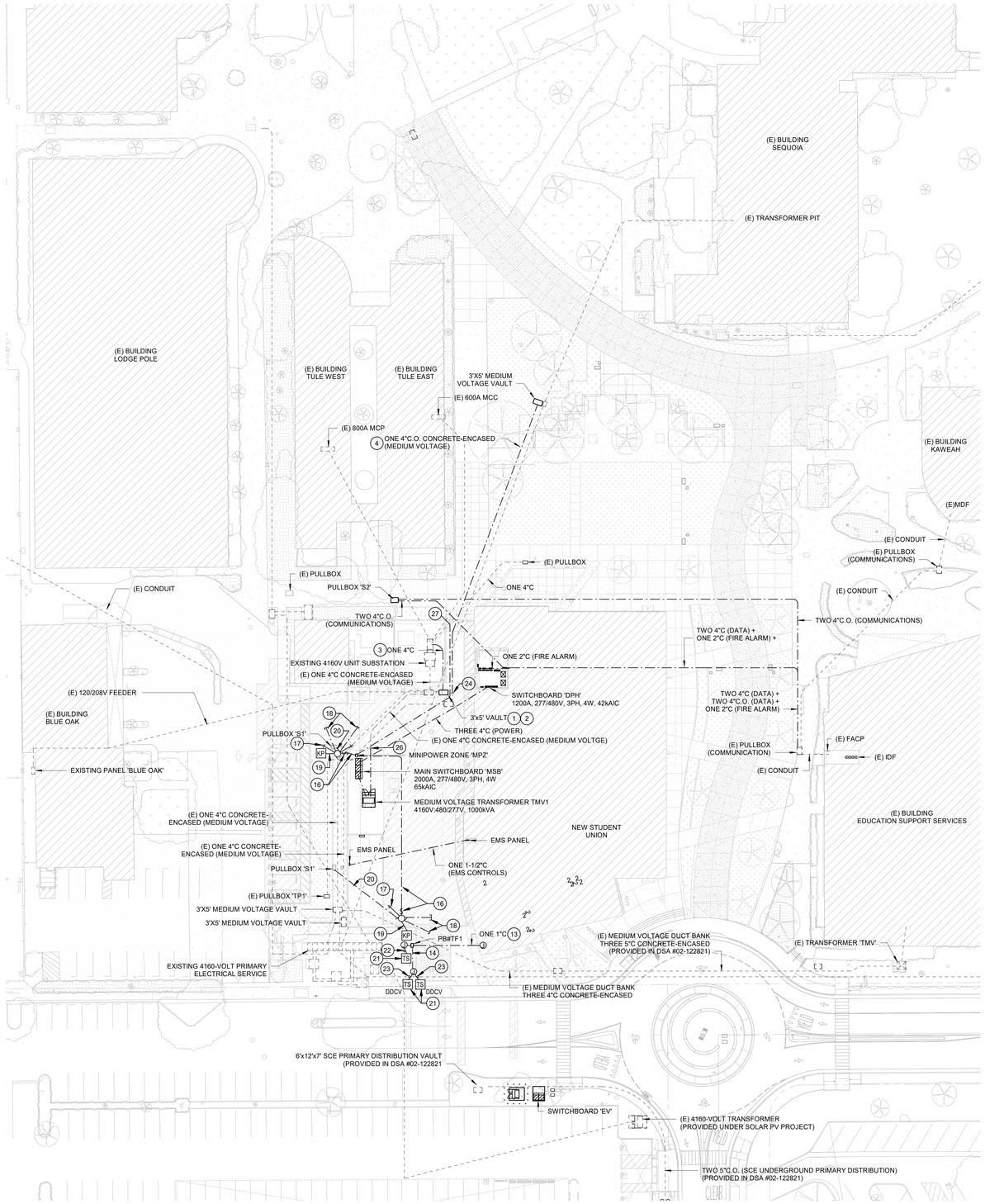
PROJECT NO.
23-12499

DRAWING
E100



NORTH

ENLARGED ELECTRICAL YARD | 1/8" = 1'-0" | 2



NORTH

ELECTRICAL SITE PLAN | 1" = 30'-0" | 1

KEYNOTES

1. INTERCEPT EXISTING CONDUIT TO EXISTING BLUE OAK PANEL AND PROVIDE ONE NEW 3'X5' VAULT.
2. SPLICE EXISTING 4#750KCMIL CU XHHW AND 1#2 CU GND CONDUCTORS TO NEW 4#750KCMIL CU THWN AND 1#1/0 CU GND IN NEW PULLBOX WITH ILSCO WATERTIGHT UNDERGROUND SPLICE FOR NEW FEEDER TO BLUE OAK.
3. PROVIDE ONE 4"C WITH 4#750KCMIL CU THWN AND 1#1/0 CU GND FOR THE NEW PORTION OF FEEDER TO BLUE OAK.
4. PROVIDE MEDIUM VOLTAGE DUCT BANK PER DETAIL 10/E600.
5. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 30A, 3-POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND AND PROVIDE CONNECTION TO 208V, THREE PHASE, 7.5 HP PUMP '1A'.
6. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND AND PROVIDE CONNECTION TO 208V, THREE PHASE, 1.5 HP PUMP '1B'.
7. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 30A, 3-POLE FUSED DISCONNECT WITH 25A FUSES.PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND AND PROVIDE CONNECTION TO 208V, THREE PHASE, 7.5 HP PUMP '2A'.
8. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND AND PROVIDE CONNECTION TO 208V, THREE PHASE, 1.5 HP PUMP '2B'.
9. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 450A, 3-POLE FUSED DISCONNECT WITH 450A FUSES. PROVIDE CONNECTION FOR 208V, THREE PHASE, 423 MCA, 450 MOCP, 414.9 FLA, HEAT PUMP WATER CHILLER 'CH-1'.
10. PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND.
11. PROVIDE TWO 3"C WITH 4#4/0 CU THWN, 1#2 CU GND, IN EACH CONDUIT.
12. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND.
13. PROVIDE ONE 1"C WITH THREE TYPE 'FAS' CABLES.
14. PROVIDE ONE 1"C WITH TWO TYPE 'FAS' CABLES.
15. PROVIDE THREE 4"C AND INSTALLATION DEPTH FROM TOP OF CONDUIT SHALL BE 5'-0" MINIMUM BELOW FINISHED FLOOR.
16. PROVIDE WEATHERPROOF MOTOR RATED AC SNAP SWITCH DISCONNECT ADJACENT TO MOTOR OPERATOR. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND AND PROVIDE CONNECTION TO 120V, SINGLE PHASE, 10A ACCESS GATE MOTOR.
17. PROVIDE #6 CU GND FROM ACCESS GATE OPERATOR TO DEDIECATED EARTH GROUND ROD PER DETAIL 16/E600.
18. PROVIDE TWO 1"C.O. STUBOUT FROM ACCESS GATE OPERATOR FOR EXIT LOOP DETECTOR, SHADOW LOOP DETECTOR, AND INTERRUPT LOOP DETECTOR PER MANUFACTURERS REQUIREMENTS AND AS REQUIRED FOR GATE OPERATION.
19. PROVIDE ONE 1"C.O. BETWEEN KEYPAD ACCESS CONTROL AND GATE OPERATOR.
20. PROVIDE ONE 1"C.O. TO PULLBOX 'S1'.
21. TAMPEER SWITCHES LOCATED AT POST INDICATOR VALVE (PIV) AND DOUBLE DETECTOR CHECK VALVES SHALL BE MONITORED BY INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE MODULES. REFER TO FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION
22. PROVIDE WEATHERPROOF CONNECTION TO TAMPER SWITCH AT POST INDICATOR VALVE.
23. PROVIDE WEATHERPROOF CONNECTIONS TO TWO TAMPER SWITCHES AT DOBULE DETECTOR CHECK VALVE PER DETAIL 21/E600.
24. EXTEND EXISTING ONE 4"C.O. (MEDIUM VOLTAGE) TO 3'x5' VAULT.
25. EXTEND EXISTING THREE 4"C.O. TO MAIN SWITCHBOARD.
26. EXTEND EXISTING ONE 4"C CONCRETE-ENCASE (MEDIUM VOLTAGE) TO MEDIUM VOLTAGE TRANSFORMER.
27. PROVIDE ONE 1"C WITH 2#10 CU THWN AND 1#10 CU GND AND PROVIDE CONNECTION TO 120V SINGLE PHASE IRRIGATION CONTROLLER.

GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

B. PROVIDE PULLBOXES PER DETAIL 5/E600, 20/E600 AND 4/E600.

C. SITE CONDUITS SHALL BE GROUPED AND INSTALLED PER DETAIL 6/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 30" BELOW FINAL GRADE TO TOP OF CONDUIT.

D. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.

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DRAWING TITLE
ELECTRICAL SITE PLAN

PROJECT NO.
23-12499

DRAWING
E101

PLOT DATE: 8/13/2026 11:06:03 AM

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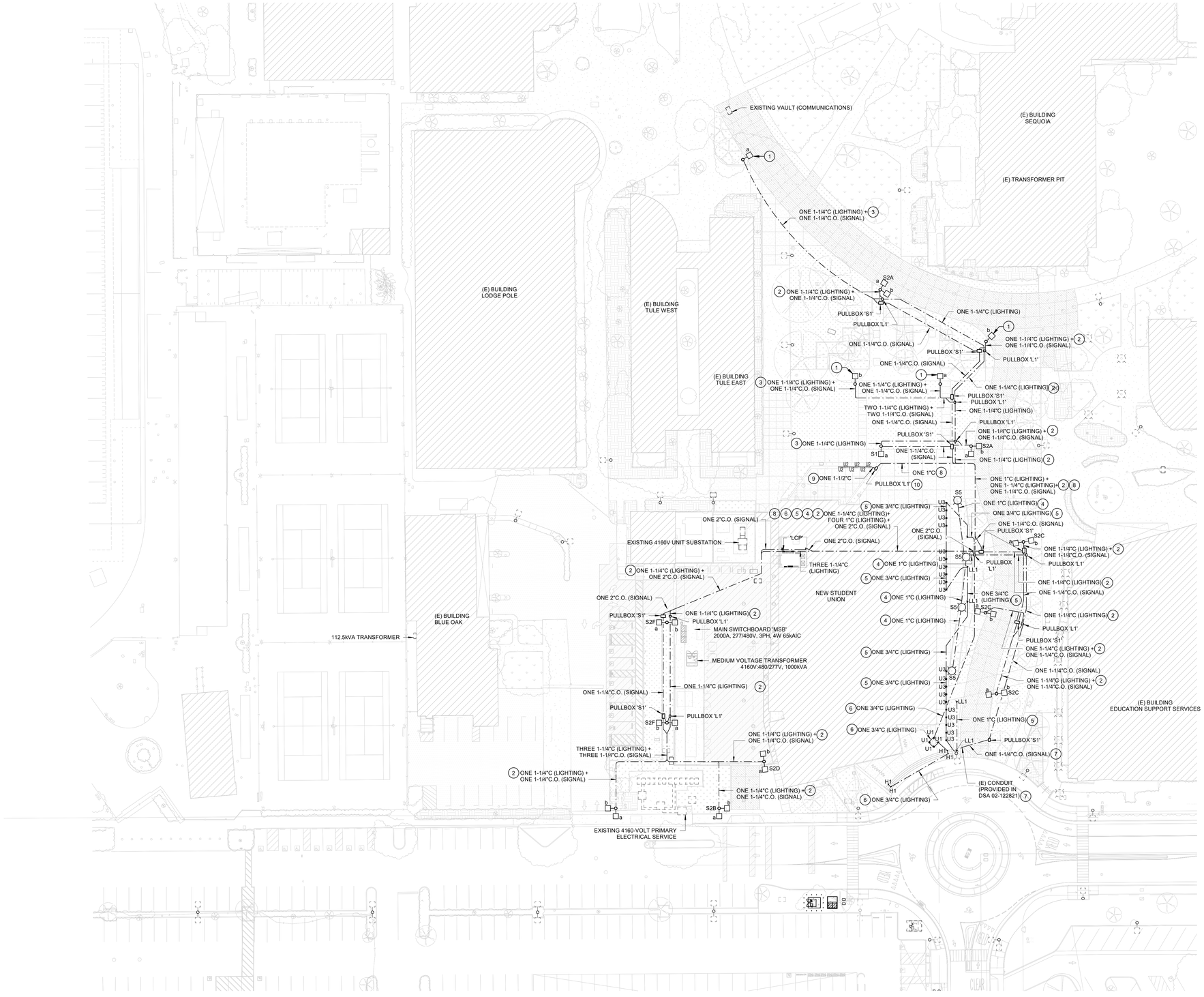

KEYNOTES

1. PROVIDE NEW CONCRETE BASE PER POLE MOUNTING DETAIL 3/E601 AND INSTALL SALVAGED LIGHT POLE AND FIXTURE.
2. PROVIDE ONE 1-1/4"C WITH 3#10 CU THWN AND 1#10 CU GND (SITE POLE LIGHTS).
3. PROVIDE ONE 1-1/4"C WITH 2#10 CU THWN AND 1#10 CU GND (SITE LIGHT POLE LIGHTS).
4. PROVIDE ONE 1"C WITH 2#10 CU THWN AND 1#10 CU GND (BOLLARD LIGHTS).
5. PROVIDE ONE 3/4"C (UNDERGROUND) WITH 2#10 CU THWN AND 1#10 CU GND (TYPICAL BETWEEN UPLIGHT FIXTURES LL1 AND INGRADE LIGHT FIXTURES U1).
6. PROVIDE ONE 3/4"C (UNDERGROUND) WITH 2#10 CU THWN AND 1#10 CU GND (TYPICAL TO INGRADE LIGHT FIXTURES U2 AND STEP LIGHT FIXTURES H1).
7. PROVIDE AND EXTEND EXISTING 1-1/4"C STUB TO NEW PULLBOX 'S1' TO FACILITATE SIGNAL CONDUIT.
8. PROVIDE ONE 1"C WITH 2#10 CU THWN, 1#10 CU GND, AND 2#16 CU THWN SHIELDED PAIR DIMMING CABLE (SIGN WALL WASH LIGHT).
9. PROVIDE ONE 1-1/2"C WITH LEADER CABLE (JE41LEAD-25) FOR INGRADE LIGHT FIXTURE U4.
10. PROVIDE SUBMERSIBLE SPLICE OF CONDUCTORS TO LEADER CABLE IN PULLBOX.

GENERAL NOTES

A. PROVIDE PULLBOXES PER DETAIL 5/E600.

B. SITE CONDUITS SHALL BE GROUPED AND INSTALLED PER DETAIL. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINAL GRADE TO TOP OF CONDUIT.

C. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.

NORTH

1" = 30'-0"

ELECTRICAL SITE PLAN - LIGHTING

1

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DRAWING TITLE
ELECTRICAL SITE PLAN - LIGHTING

PROJECT NO.
23-12499

DRAWING
E102

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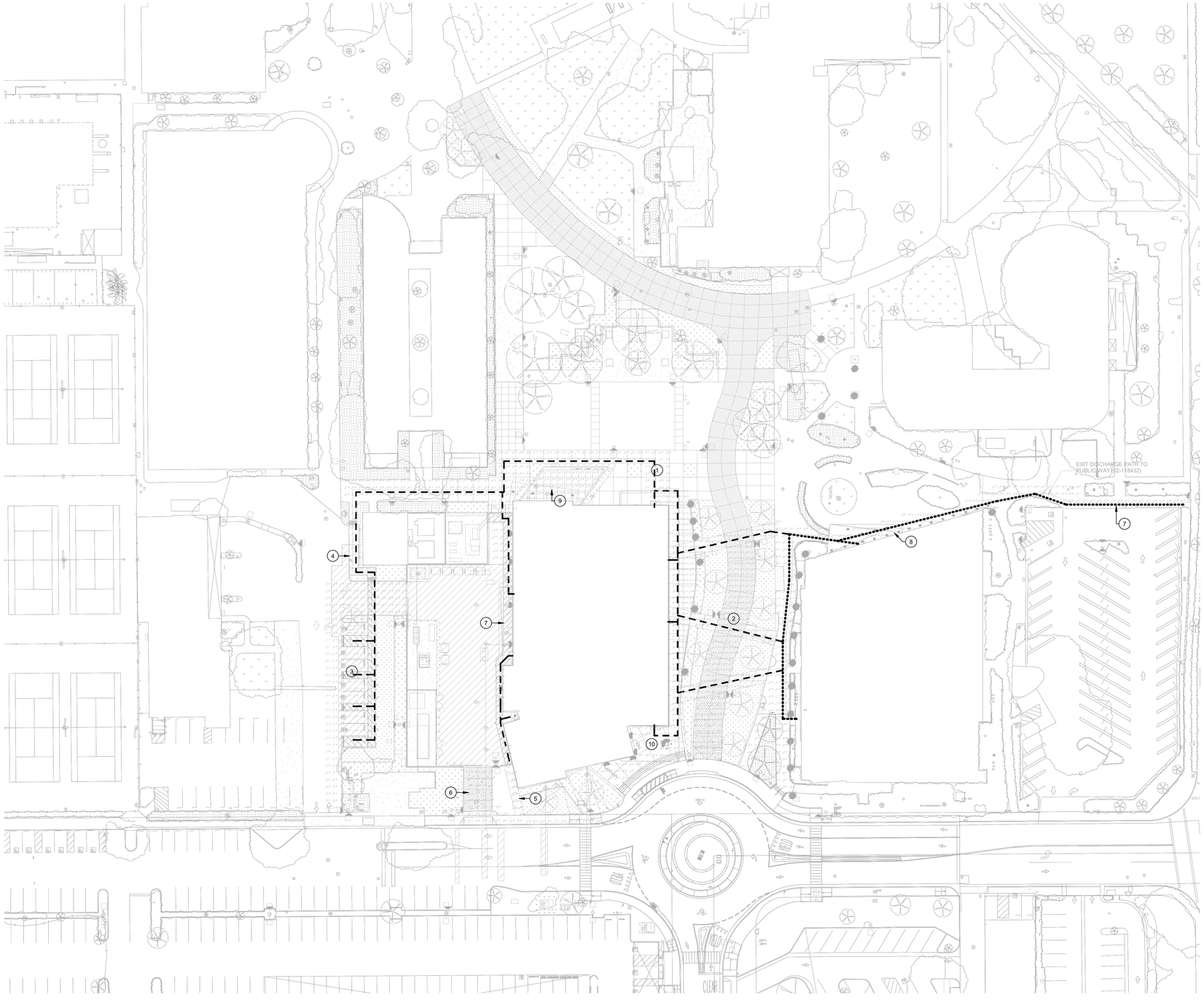

PHOTOMETRICS LEGEND

	LOCATION	AVERAGE (fc)
1	NORTH PATHWAY	3.2
2	EAST PATHWAYS	4.6
3	PARKING LOT	1.6
4	WEST PATHWAY (TO PARKING LOT)	1.5
5	DELIVERY YARD ENTRY - SIDEWALK	2.7
6	DELIVERY YARD ENTRY - VEHICLE	4.6
7	DELIVERY YARD PATHWAY (BUILDING WEST)	5.1
8	EXISTING PATHWAY	7.7
9	COURTYARD	7.3
10	FRONT ENTRANCE	6.8

NORTH

ELECTRICAL SITE PLAN - LIGHTING PHOTOMETRICS

N.T.S. | 1

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DRAWING TITLE
ELECTRICAL SITE PLAN - LIGHTING PHOTOMETRICS

PROJECT NO.
23-12499

DRAWING
E103

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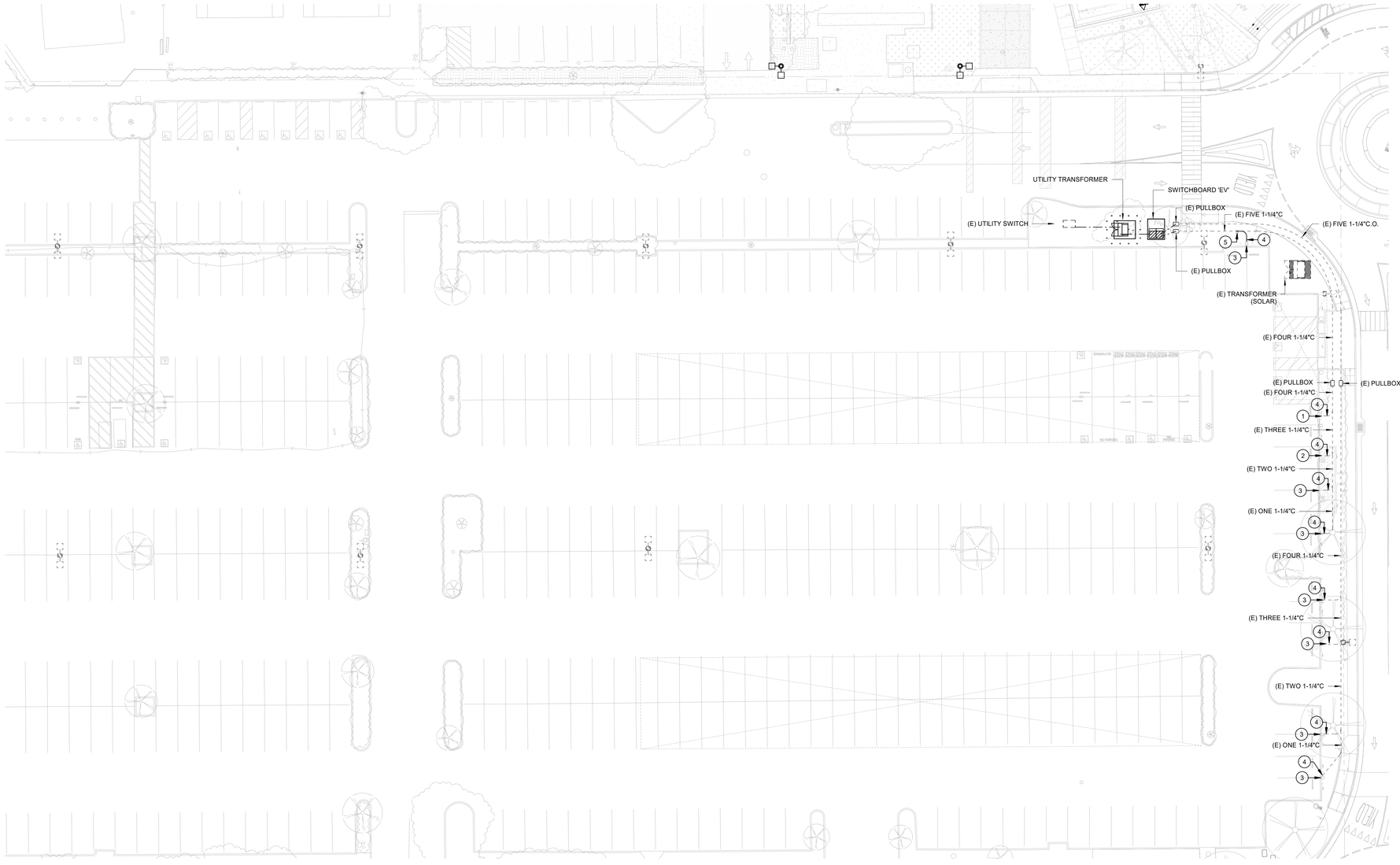

KEYNOTES

1. PROVIDE CHARGE POINT SINGLE EV CHARGER. INSTALL PER DETAIL 13/E601.
2. PROVIDE CHARGPOINT SINGLE EV CHARGER INSTALL PER 15/E601.
3. PROVIDE CHARGPOINT DUAL EV CHARGER INSTALL PER 15/E601.
4. EXTEND EXISTING 1-1/4"C TO EV CHARGER, PROVIDE 2#6 CU THWN AND 1#8 CU GND, AND PROVIDE CONNECTION TO EV CHARGER.
5. INTECEPT EXISTING ONE 1-1/4"C AND ROUTE TO DUAL EV CHARGER.

GENERAL NOTES

A. PROVIDE PULLBOXES PER DETAIL 5/E600, 20/E600 AND 4/E600.

B. SITE CONDUITS SHALL BE GROUPED AND INSTALLED PER DETAIL 6/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 30" BELOW FINAL GRADE TO TOP OF CONDUIT.

C. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.

NORTH

ELECTRICAL SITE PLAN - EV CHARGERS

1" = 20'-0" | 1

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DRAWING TITLE
ELECTRICAL SITE PLAN - EV CHARGER

PROJECT NO.
23-12499

DRAWING
E104

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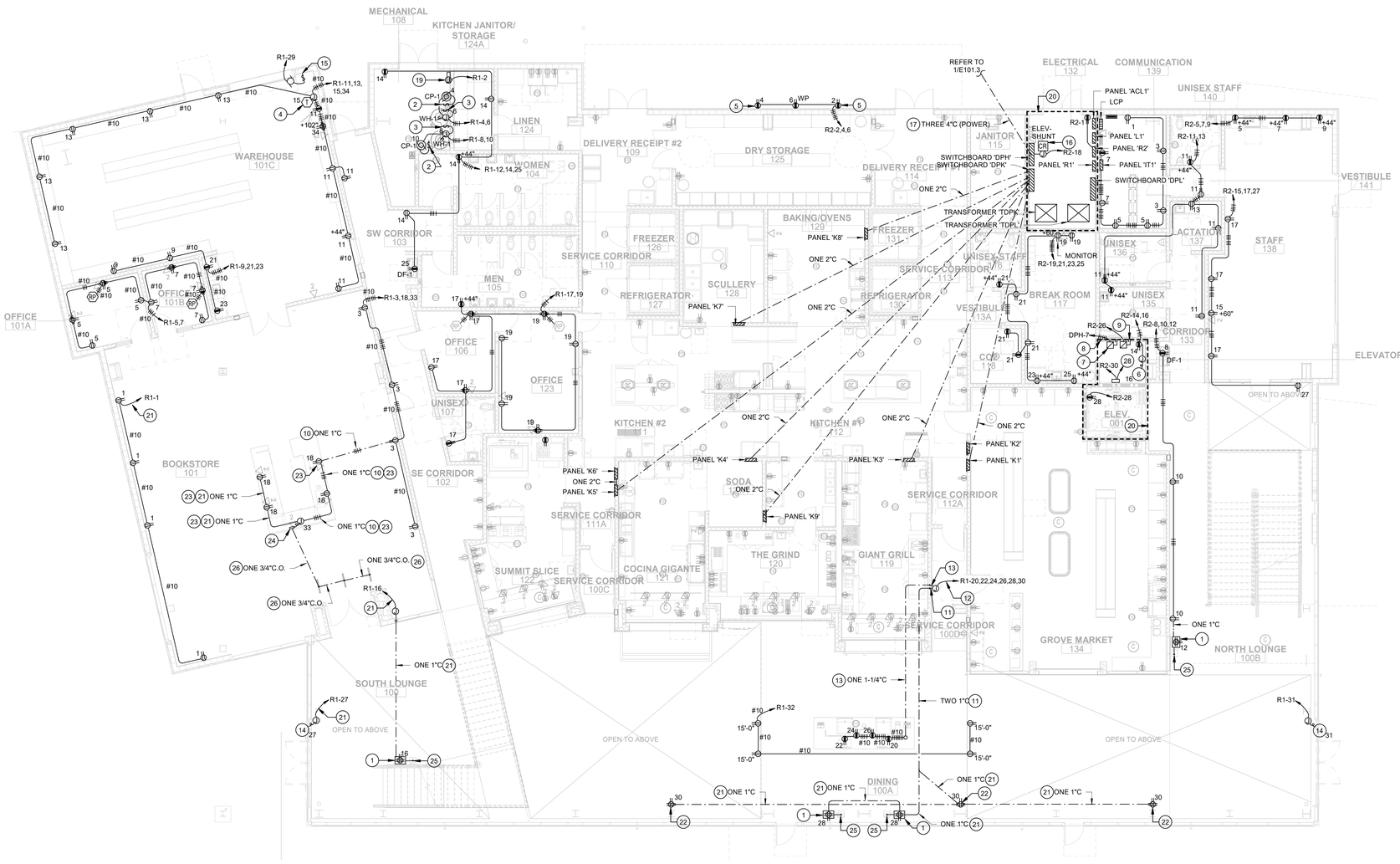

KEYNOTES

1. PROVIDE 2-GANG POWER FLOOR BOX RATED FOR SLAB ON-GRADE INSTALLATION WITH ONE DUPLEX TAMPER RESISTANT DUPLEX RECEPTACLE AND COMBINATION CARPET AND TILE FLANGE BLANK TAMPER-RESISTANT COVER PLATE: LEGRAND RFBA SERIES FLOOR BOX MODEL: 8RFBA2R30-RFBADP20TR-FPBTCBSTR.
2. PROVIDE 120V 20A MOTOR RATED SNAP SWITCH AND PROVIDE CONNECTION TO 120V, SINGLE PHASE, 1/12HP CIRCULATING PUMP 'CP-1'.
3. PROVIDE 120V 20A MOTOR RATED SNAP SWITCH AND PROVIDE CONNECTION TO 120V, SINGLE PHASE,15A WATER HEATER 'WH-1".
4. PROVIDE 120V:24VAC LOW VOLTAGE TRANSFORMER AND PROVIDE CONNECTION TO FIRE SPRINKLER BELL. COODINATE WITH FIRE PROTECTION CONTRACTOR AND RUN 24V CIRCUIT THROUGH RISER MOUNTED FLOW SWITCH TO FIRE SPRINKLER BELL.
5. PROVIDE 120A 20A WEATHER PROOF GFCI RECEPTACLE WITH LOCKABLE WHILE IN USE COVER 120V CART CHARGER.
6. PROVIDE CONNECTION TO 120V, SINGLE PHASE, ELEVATOR CONTROL PANEL. COORDINATE WITH ELEVATOR CONTRACTOR FOR EXACT LOCATION OF PANEL.
7. PROVIDE HEAVY DUTY 480V, 3-POLE, 100A FUSED DISCONNECT WITH 90A FUSES FOR 480V, 3-PH 50HP ELEVATOR MOTOR.
8. PROVIDE ONE 2"C WITH 3#2 CU THWN, 1#6 CU GND, AND 2#10 CU THWN FOR ELEVATOR SHUNT-TRIP CONTROLS.
9. PROVIDE HEAVY DUTY 250V, 1-POLE, FUSED DISCONNECT WITH 15A FUSES FOR 120V 15 AMP CAR-LIGHITNG CIRCUIT TO CONTROLLER.
10. PROVIDE ONE 1"C WITH 4#10 CU THWN AND 2#10 CU GND.
11. PROVIDE TWO 1"C WITH 2#10 CU THWN AND 1#10 CU GND IN EACH CONDUIT.
12. PROVIDE ONE 1-1/4"C WITH 12#10 CU THWN AND 6#10 CU GND.
13. PROVIDE ONE 1-1/4"C WITH 8#10 CU THWN AND 4#10 CU GND AND PROVIDE CONNECTION TO CASEWORK RECEPTACLES VIA CASEWORK FURNITURE RACEWAY.
14. PROVIDE POWER CONNECTION TO AUTOMATIC SLIDING DOOR MOTOR OPERATOR THROUGH MULLION.
15. PROVIDE 120V, 20A AC SNAP SWITCH AND PROVIDE CONNECTION TO 120V, SINGLE PHASE, 1/2HP GATE MOTOR.
16. PROVIDE CONNECTION TO ELEVATOR SHUNT-TRIP CIRCUIT BREAKER COIL THROUGH FIRE ALARM CONTROL RELAY.
17. PROVIDE THREE 4"C AND INSTALLATION DEPTH FROM TOP OF CONDUIT SHALL BE 5'-0" MINIMUM BELOW FINISHED FLOOR.
18. PROVIDE ONE 1-1/4"C STUB INTO FURNITURE PATHWAY AND PROVIDE CONNECTION TO RECEPTACLES. REFER TO FURNITURE MANUFACTURER DRAWINGS.
19. PROVIDE 120V CONNECTION FOR EMS PANEL.
20. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
21. PROVIDE ONE 1"C WITH 2#10 CU THWN AND 1#10 CU GND IN EACH CONDUIT.
22. PROVIDE LEGRAND POWER PEDESTAL XPP2G30-SV.
23. PROVIDE CONNECTION TO RECEPTACLES IN COUNTERTOP VIA COUNTERTOP FURNITURE PATHWAYS.
24. PROVIDE 120V CONNECTION TO BOOK STORE SECURITY GATE CONTROL PANEL.
25. PROVIDE ONE 1-1/4"C.O. STUBBED UP INTO PEDESTAL.
26. PROVIDE ONE 3/4"C.O. FOR SECURITY GATE PATHWAYS COORDINATE WITH SECURITY GATE EQUIPMENT/MANUFACTURER.
27. PROVIDE 120V CONNECTION TO THE MANUAL OVERRIDE MOTORIZED CONTROL PANEL FOR MOTORIZED CONTROL OF THE AUTOMATIC SMOKE VENT.
28. PROVIDE ONE 3/4"C CONDUIT WITH 2#10 CU THWN AND 1#10 CU GND TO THE AUTOMATIC SMOKE VENT MOTOR ON ROOF.

GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

B. CONDUIT AND CONDUCTORS FOR OUTLETS SHALL BE CONCEALED, U.O.N.

C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

D. ALL 120V 15A AND 20A RECEPTACLES WITHIN KITCHENS, RESTROOMS, INDOOR WET AREA, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOP, AND OUTDOORS SHALL BE GFCI TYPE RECEPTACLES. IN OTHER SPACES, 120V 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

E. REFER TO DRAWING E201 FOR ADDITIONAL ELECTRICAL FOR MECHANICAL EQUIPMENT.

F. REFER TO DRAWINGS E202 AND E203 FOR ADDITIONAL ELECTRICAL IN KITCHEN AREA.

NORTH

POWER PLAN - FIRST FLOOR

1/8" = 1'-0" | 1

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STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL POWER PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
E200

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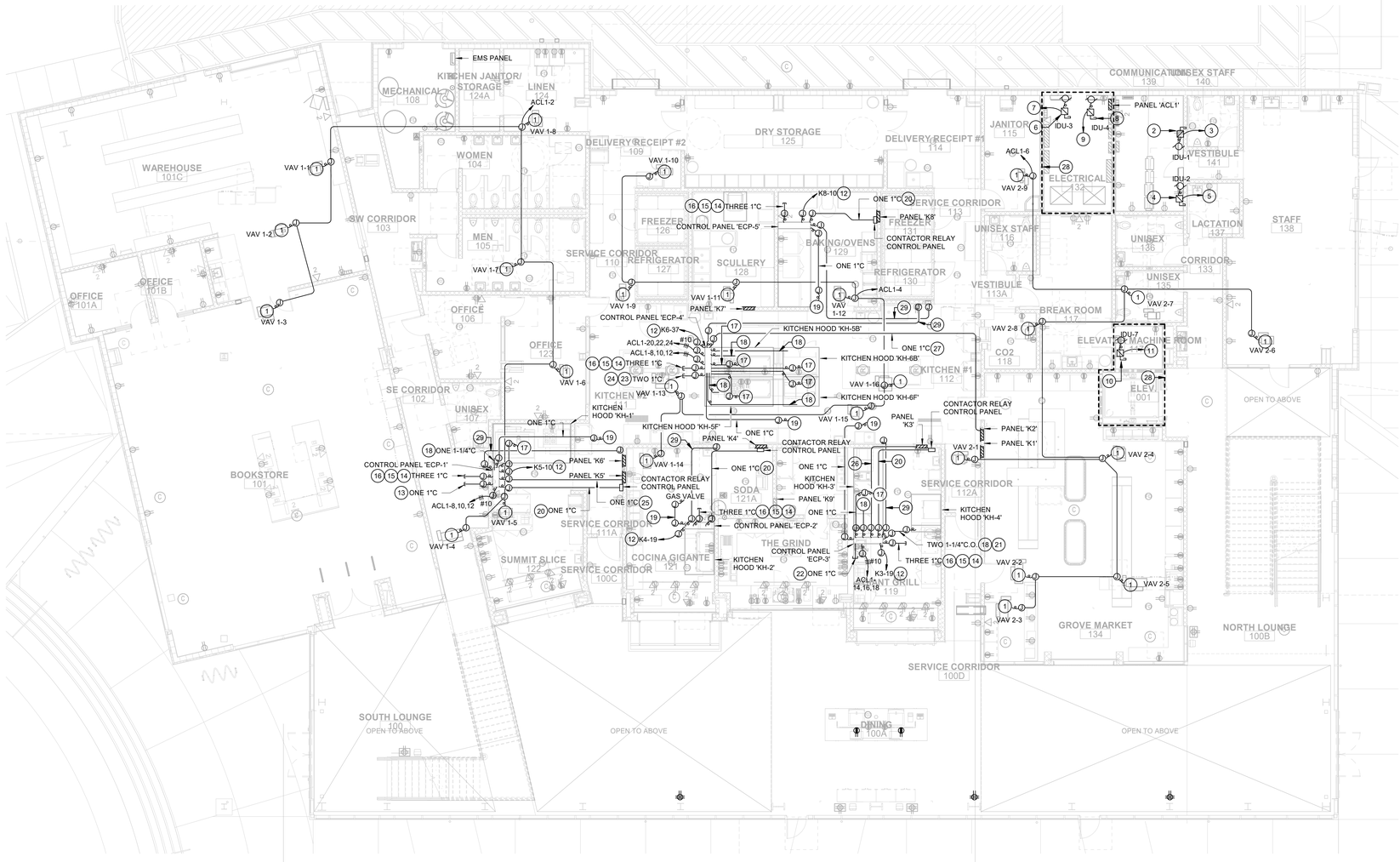

KEYNOTES

1. PROVIDE 120VAC POWER CONNECTION TO VAV BOX POWER SUPPLY/TRANSFORMER.
2. PROVIDE ONE HEAVY DUTY 250V, 30A, 3POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE INDOOR UNIT IDU-1'.
3. PROVIDE ONE 1"C WITH 2#10 CU THWN AND 1# 10 CU GND POWER CONNECTION FROM OUTDOOR UNIT 'ODU-1'.
4. PROVIDE ONE HEAVY DUTY 250V, 30A, 3POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDECONNECTION TO 208V, SINGLE PHASE INDOOR UNIT IDU-2'.
5. PROVIDE ONE 1"C WITH 2#10CU THWN AND 1# 10 CU GND POWER CONNECTION FROM OUTDOOR UNIT 'ODU-2'.
6. PROVIDE ONE HEAVY DUTY 250V, 30A, 3POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDECONNECTION TO 208V, SINGLE PHASE INDOOR UNIT IDU-3'.
7. PROVIDE ONE 1"C WITH 2#10CU THWN AND 1# 10 CU GND POWER CONNECTION FROM OUTDOOR UNIT 'ODU-3.
8. PROVIDE ONE HEAVY DUTY 250V, 30A, 3POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE INDOOR UNIT IDU-4'.
9. PROVIDE ONE 1"C WITH 2#10CU THWN AND 1# 10 CU GND POWER CONNECTION FROM OUTDOOR UNIT 'ODU-4'.
10. PROVIDE ONE HEAVY DUTY 250V, 30A, 3POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDECONNECTION TO 208V, SINGLE PHASE INDOOR UNIT IDU-7'.
11. PROVIDE ONE 1"C WITH 2#10CU THWN AND 1# 10 CU GND POWER CONNECTION FROM OUTDOOR UNIT 'ODU-7'.
12. PROVIDE 120V CONNECTION TO KITCHEN HOOD CONTROL PANEL.
13. PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND FOR CONNECTION TO 208V, 3-PHASE, 3HP EXHAUST FAN 'KEF-1'.
14. PROVIDE ONE 1"C WITH 6#12 CU THWN FOR CONNECTION TO EMS PANEL.
15. PROVIDE ONE 1"C WITH 6#12 CU THWN FOR CONNECTION TO CONTROLS ON ROOF. REFER TO MECHANICAL DRAWINGS FOR CONNECTIONS.
16. PROVIDE ONE 1"C WITH 2#12 AND PROVIDE CONNECTION TO ROOM TEMPERATURE SENSOR. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF TEMPERATURE SENSOR.
17. PROVIDE ONE 1"C WITH 2#12 AND PROVIDE CONNECTION TO DUCT SENSOR. REFER TO MECHANICAL DRAWINGS FOR CONNECTIONS.
18. PROVIDE ONE 1-1/4"C WITH TWO CAT 5 CABLES FOR CONNECTION TO FACTORY SWITCHES IN KITCHEN HOOD. REFER TO MECHANICAL DRAWINGS FOR CONNECTIONS.
19. PROVIDE ONE 1"C WITH 2#12 CU THWN AND PROVIDE CONNECTION TO GAS VALVE SOLENOID. REFER TO PLUMBING DRAWINGS FOR LOCATION.
20. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND AND PROVIDE CONNECTION TO CONTACTOR RELAY CONTROL PANEL COIL FOR KITCHEN EQUIPMENT TO BE SHUTDOWN BELOW TYPE 1 FUMEHOOD. REFER TO DETAILS ON E720 FOR EMERGENCY SHUT-OFF OF ELECTRICAL APPLIANCES UNDER KITCHEN HOOD.
21. PROVIDE ONE 1-1/4"C WITH BELDEN 88760 CABLE FOR CONNECTION BETWEEN ECP-3 AND KITCHEN HOOD 'KH-4'. REFER TO MECHANICAL DRAWINGS FOR CONNECTIONS.
22. PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND FOR CONNECTION TO 208V, 3-PHASE, 3HP EXHAUST FAN 'KEF-3'.
23. PROVIDE ONE 1"C WITH 3#10 CU THWN AND 1#10 CU GND FOR CONNECTION TO 208V, 3-PHASE, 5HP EXHAUST FAN 'KEF-5'.
24. PROVIDE ONE 1"C WITH 3#12 CU THWN AND 1#12 CU GND FOR CONNECTION TO 208V, 3-PHASE, 1.5HP EXHAUST FAN 'KEF-6'.
25. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND AND PROVIDE CONNECTION TO SHUN-TRIP CIRCUIT BREAKER K5-26,28,30 FOR SHUTDOWN OF 208V, 3-PHASE, 48KW PIZZA OVEN.
26. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND AND PROVIDE CONNECTION TO SHUN-TRIP CIRCUIT BREAKER K3-38,40,42 FOR SHUTDOWN OF 208V, 3-PHASE, 48KW ELECTRIC COMBI OVEN.
27. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND AND PROVIDE CONNECTION TO SHUN-TRIP AT MAIN CIRCUIT BREAKER ON PANEL 'K2' FOR SHUTDOWN OF ALL EQUIPMENT UNDER KITCHEN HOOD KH-5B, KH-5F, KH-6B, AND KH-6F.
28. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
29. PROVIDE ONE 1/2"C.O. FOR PULLSTATION KITCHEN HOOD PULL STATION.

GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

B. CONDUIT AND CONDUCTORS FOR NEW OUTLETS SHALL BE CONCEALED, U.O.N.

C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

D. ALL 120V 15A AND 20A RECEPTACLES WITHIN KITCHENS, RESTROOMS, INDOOR WET AREA, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOP, AND OUTDOORS SHALL BE GFCI TYPE RECEPTACLES. IN OTHER SPACES, 120V 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

NORTH

POWER PLAN - FIRST FLOOR - MECHANICAL PLAN — 1/8" = 1'-0" — 1

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL POWER PLAN - FIRST FLOOR - MECHANICAL EQUIPMENT

PROJECT NO.
23-12499

DRAWING
E201

PLOT DATE: 8/13/2026 11:06:22 AM

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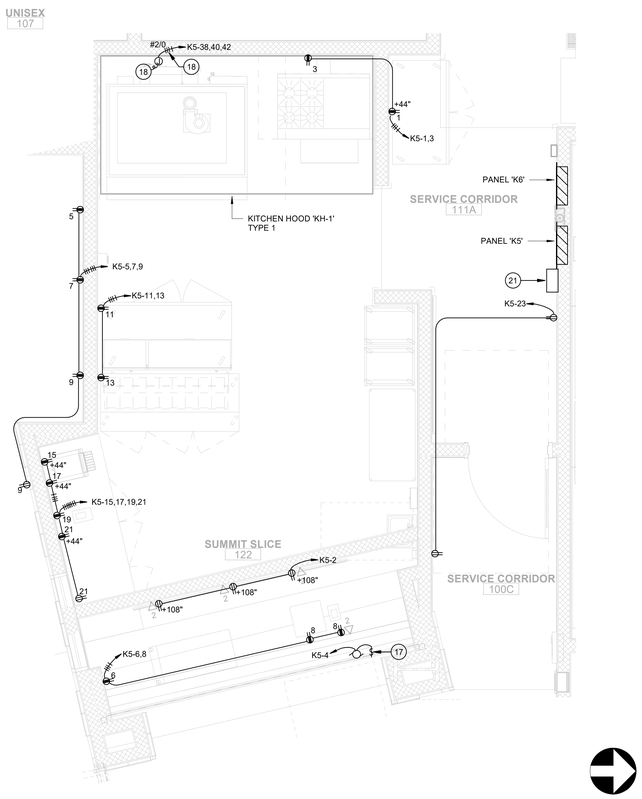
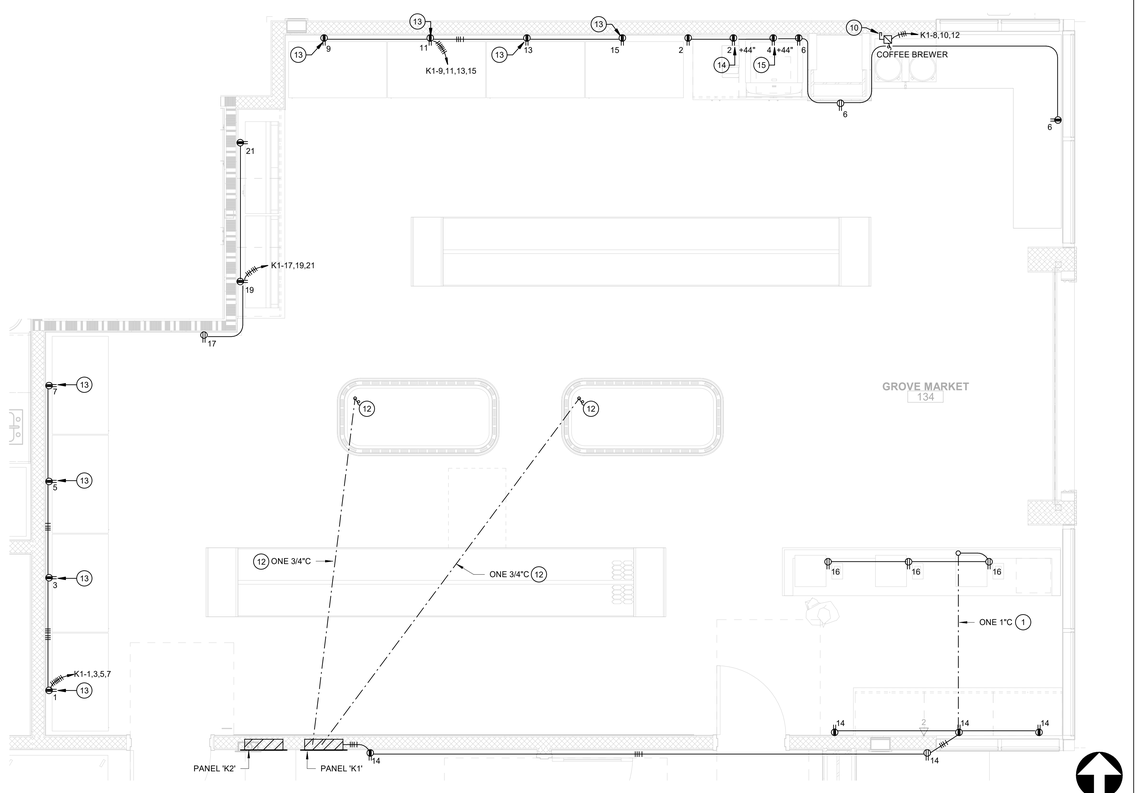


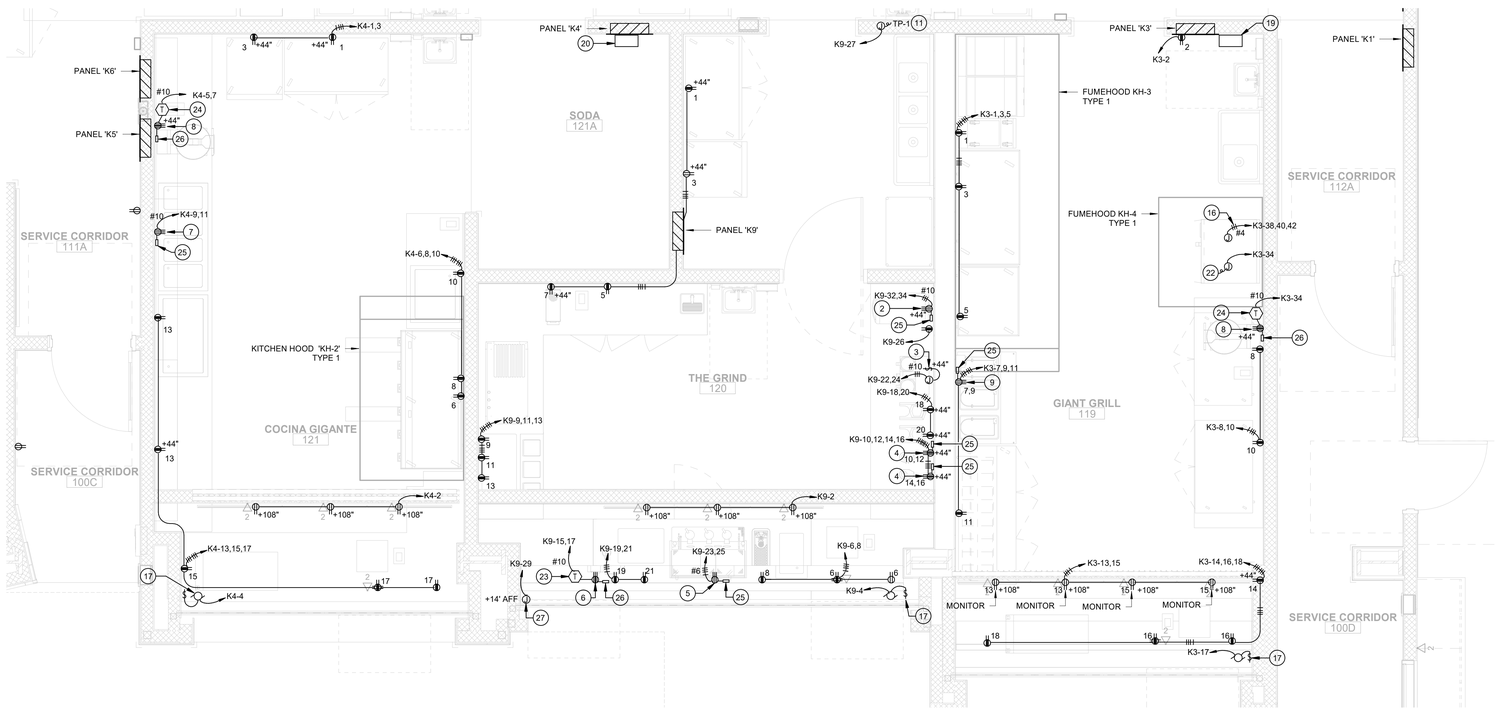
ENLARGED ELECTRICAL PLAN - SUMMIT SLICE | 3/8" = 1'-0" | 3



ENLARGED ELECTRICAL PLAN - GROVE MARKET | 3/8" = 1'-0" | 1

KEYNOTES

1. PROVIDE ONE 1"C WITH 2#10 CU THWN AND 1#10 CU GND FOR CONNECTION TO CHECKOUT COUNTER CASEWORK AND PROVIDE CONNECTION TO CHECKOUT COUNTER CASEWORK RECEPTACLES.
2. PROVIDE ONE NEMA L6-30R FOR 208V, 6240W, 30A COUNTER TOP OVEN.
3. PROVIDE ONE 250V 30A DOUBLE POLE AC SNAP SWITCH AND PROVIDE CONNECTION TO 208V, 3500W, 22.2A COFFEE BREWER.
4. PROVIDE ONE NEMA L6-20R FOR 208V, 2.4kW POUR-OVER COFFEE BREWER WITH BROILER.
5. PROVIDE ONE NEMA L6-50R FOR 208-240V, SINGLE PHASE, 6.4kW EXPRESSO MACHINE.
6. PROVIDE ONE NEMA L6-20R FOR 220V, SINGLE PHASE, 2.8kW FRIIA WATER DELIVERY SYSTEM - BOILER PORTION, MODEL MIX UC8.
7. PROVIDE ONE NEMA L6-30R FOR 208V, SINGLE PHASE, 19.2A, 4000W, ELECTRIC HOT FOOD WELL UNIT.
8. PROVIDE ONE NEMA L6-20R FOR 240V, SINGLE PHASE, 13.75A, 3.3kW, TORTILLA PRESS.
9. PROVIDE ONE NEMA L6-15R FOR 208V, SINGLE PHASE, 10.8A, 2250kW, HOT FOOD TABLE.
10. PROVIDE NSF RATED 250V, 30A FUSED DISCONNECT WITH 30A FUSES. PROVIDE CONNECTION TO 208V, 3-PHASE, 19.3A FETCO CBS-1262 COFFEE BREWER.
11. PROVIDE CONNECTION TO 120V, SINGLE PHASE, 6W TRAP PRIMER 'TP-1'.
12. PROVIDE ONE 3/4"C WITH 2#10 CU THWN AND 1#10 CU GND AND PROVIDE CONNECTION TO 208V, SINGLE PHASE, 16 FLA 30 MOCP REFRIGERATED ISLAND.
13. PROVIDE 120V 20A GFCI RECEPTACLE FOR 120V, SINGLE PHASE, 725W, 6.3A REFRIGERATOR.
14. PROVIDE 120V 20A GFCI RECEPTACLE FOR 120V, SINGLE PHASE, 90W, FLAVOR DISPENSER.
15. PROVIDE 120V 20A GFCI RECEPTACLE FOR 120V, SINGLE PHASE, 3.5A, ICE BEVERAGE DISPENSER.
16. PROVIDE ONE 1"C WITH 3#4 CU THWN AND 1#8 CU GND AND PROVIDE CONNECTION TO 208V, THREE PHASE, 19KW COMBI STEAMER.
17. PROVIDE 120V AC MOTOR RATED SWITCH AND PROVIDE CONNECTION TO 120V, SINGLE PHASE, 4.5 FLA GATE MOTOR.
18. PROVIDE ONE 2"C WITH 4#2/0 CU THWN AND 1#4 CU GND AND PROVIDE CONNECTION TO 208V, 3-PHASE, 48KW PIZZA OVEN WITH 3 BAKING CHAMBER.
19. PROVIDE CONTACTOR RELAY CONTROL PANEL ABOVE PANEL 'K3' FOR KITCHEN EQUIPMENT TO BE SHUTDOWN BELOW TYPE 1 FUMEHOOD. REFER TO DETAILS 3/E720 AND 4/E720 FOR EMERGENCY SHUT-OFF OF ELECTRICAL APPLIANCES UNDER KITCHEN HOOD.
20. PROVIDE CONTACTOR RELAY CONTROL PANEL ABOVE PANEL 'K4' FOR KITCHEN EQUIPMENT TO BE SHUTDOWN BELOW TYPE 1 FUMEHOOD. REFER TO DETAIL 2/E720 FOR EMERGENCY SHUT-OFF OF ELECTRICAL APPLIANCES UNDER KITCHEN HOOD.
21. PROVIDE CONTACTOR RELAY CONTROL PANEL ABOVE PANEL 'K5' FOR KITCHEN EQUIPMENT TO BE SHUTDOWN BELOW TYPE 1 FUMEHOOD. REFER TO DETAIL 1/E720 FOR EMERGENCY SHUT-OFF OF ELECTRICAL APPLIANCES UNDER KITCHEN HOOD.
22. PROVIDE CONNECTION TO 120V, 170W COMBI OVEN VENT.
23. 5KVA, 208V:220V NEMA 1 ENCLOSED BUCK/BOOST STEP UP TRANSFORMER. MOUNT ON WALL BELOW COUNTERTOP.
24. 5KVA, 208V:240V NEMA 1 ENCLOSED BUCK/BOOST STEP UP TRANSFORMER. MOUNT ON WALL ABOVE CEILING.
25. PROVIDE NORTH SHORE SAFETY LINE GARD 208V, 30A, SINGLE PHASE GFCI ADJACENT TO 208V RECEPTACLE. MODEL PGFS-93005.
26. PROVIDE NORTH SHORE SAFETY LINE GARD 240V, 30A, SINGLE PHASE GFCI ADJACENT TO RECEPTACLE. MODEL PGFS-73005.
27. PROVIDE JUNCTION BOX AT 14'-0"AFF AND PROVIDE CONNECTION TO CLOCK.



ENLARGED ELECTRICAL PLAN - COCINA GIGANTE, THE GRIND, GIANT GRILL | 3/8" = 1'-0" | 2

GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

B. CONDUIT AND CONDUCTORS FOR OUTLETS SHALL BE CONCEALED, U.O.N.

C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

D. ALL 120V 15A AND 20A RECEPTACLES WITHIN KITCHENS, RESTROOMS, INDOOR WET AREA, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOP, AND OUTDOORS SHALL BE GFCI TYPE RECEPTACLES. IN OTHER SPACES, 120V 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

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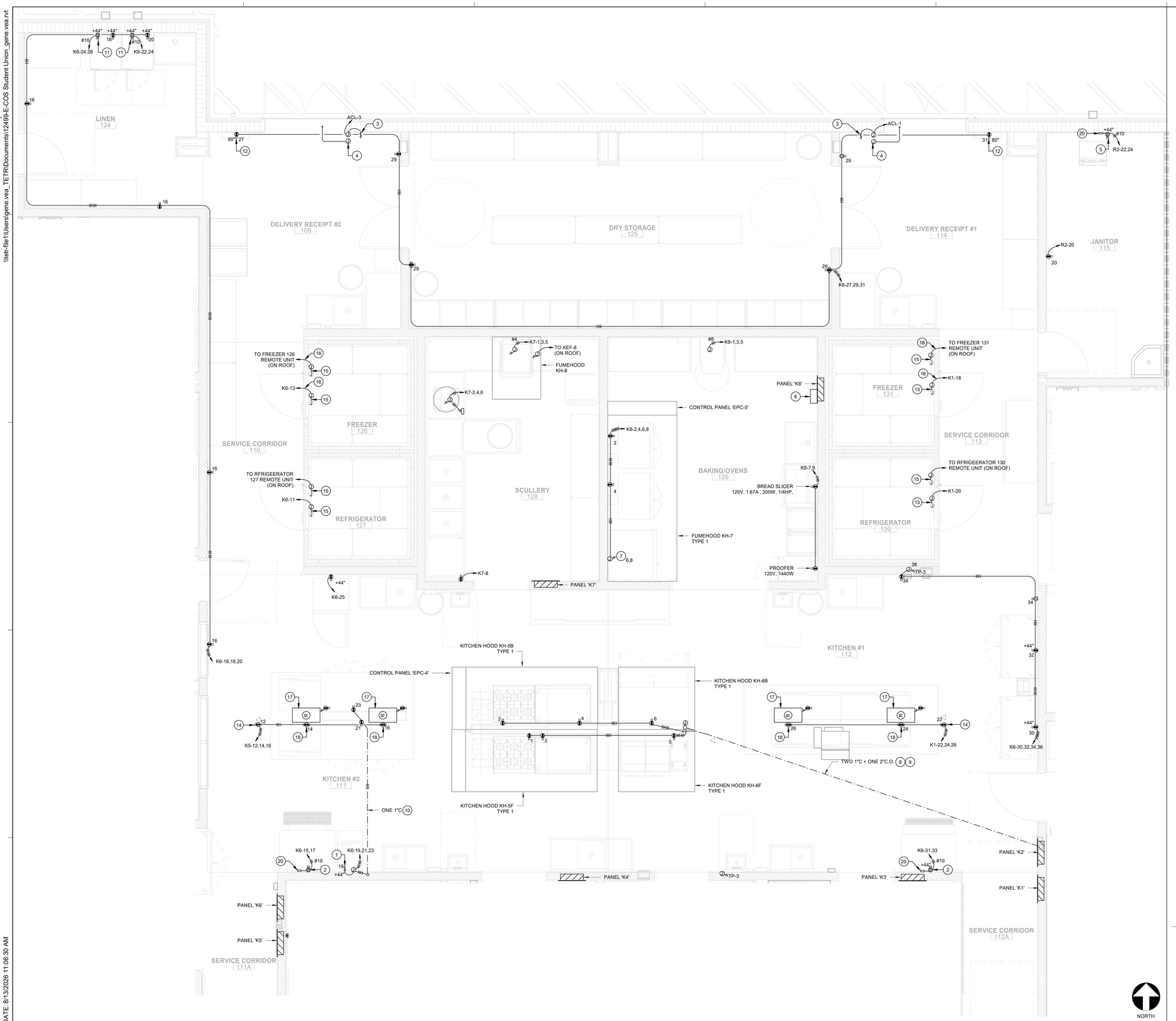
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED ELECTRICAL PLANS - ROOMS 119-122, 134

PROJECT NO.
23-12499

DRAWING
E202

PLOT DATE: 8/13/2026 11:06:26 AM



KEYNOTES

1. PROVIDE 120V 20A MOTOR RATED AC SNAP SWITCH AND PROVIDE CONNECTION TO 120V, SINGLE PHASE, 12.9 MCA ICE MACHINE.
2. PROVIDE NEMA L6-30P FOR 208-230V, SINGLE PHASE, 18.5 MCA ICE MAKER.
3. PROVIDE 120V 20A, MOTOR RATED AC SNAP SWITCH AND PROVIDE CONNECTION TO 120V, 13A SINGLE PHASE AIR CURTAIN.
4. PROVIDE CONDUIT AND CONNECTION THROUGH DOOR HEADER FOR AIR CURTAIN MICRO-SWITCH.
5. PROVIDE ONE NEMA L6-30R FOR 208V, SINGLE PHASE, 5KW, STACKABLE ELECTRIC DRYER.
6. PROVIDE CONTACTOR RELAY CONTROL PANEL ABOVE PANEL 'K8' FOR KITCHEN EQUIPMENT TO BE SHUTDOWN BELOW TYPE 1 FUMEHOOD. REFER TO S/E720 FOR CONTACTOR DIAGRAM.
7. PROVIDE 3#12 CU THWN AND 1 #12 CU GND AND PROVIDE CONNECTION TO 208V, SINGLE PHASE, 2.8KW (GAS COMBI OVEN).
8. PROVIDE 6#10 CU THWN AND 3#10 CU GND IN EACH 1"C CONDUIT FOR CONNECTION TO KITCHEN EQUIPMENT ISLAND RECEPTACLES.
9. PROVIDE ONE 2"C.O. PATHWAY FOR FUTURE TILT SKILLET.
10. PROVIDE 4#10 CU THWN AND 3#10 CU GND IN EACH 1"C CONDUIT FOR CONNECTION TO KITCHEN EQUIPMENT ISLAND RECEPTACLES.
11. PROVIDE 250V NEMA30A 14-30R RECEPTACLE FOR 120/208V, 24A STACKABLE DRYER.
12. PROVIDE 120V, 20A GFCI RECEPTACLE FOR CONNECTION TO 120V, 15W INSECT TRAP.
13. PROVIDE NEMA 14-30R RECEPTACLE FOR 120/208V ELECTRIC DRYER WASHER COMBINATION.
14. PROVIDE 120V, 20A RECEPTACLE FOR MONITOR. LOCATE RECEPTACLE ABOVE CLOUD WITHIN 18" OF MONITOR MOUNT.
15. PROVIDE EYS SEAL WITH SEALANT PER MANUFACTURERS INSTRUCTIONS.
16. PROVIDE ONE 2"C.O. TO ROOF TOP REMOTE UNIT.
17. PROVIDE INDUSTRIAL CORD REEL, HUBBELL #HBL125123C20 AND CORD REEL ENCLOSURE, HUBBELL #HBLIPBOX MOUNT CORD REEL PER DETAIL 7/E601.
18. PROVIDE DUPLEX RECEPTACLE AND COVERPLATE MOUNTED IN CORD REEL ENCLOSURE PER DETAIL 7/E601.
19. PROVIDE CONNECTION TO 208V, 8.8A, 3-PHASE, 3HP GARBAGE DISPOSAL AND CONTROL PANEL.
20. PROVIDE NORTH SHORE SAFETY LINE GARD 208V, 30A, SINGLE PHASE GFCI ADJACENT TO 208V RECEPTACLE. MODEL PGFS-93005.

GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

B. CONDUIT AND CONDUCTORS FOR OUTLETS SHALL BE CONCEALED, U.O.N.

C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

D. ALL 120V 15A AND 20A RECEPTACLES WITHIN KITCHENS, RESTROOMS, INDOOR WET AREA, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOP, AND OUTDOORS SHALL BE GFCI TYPE RECEPTACLES. IN OTHER SPACES, 120V 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

ENLARGED ELECTRICAL PLANS - ROOMS 109-115, 124-131

3/8" = 1'-0" | 1

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENLARGED ELECTRICAL PLANS - ROOMS 104, 111-114, 118, AND 126

PROJECT NO.
23-12499

DRAWING
E203

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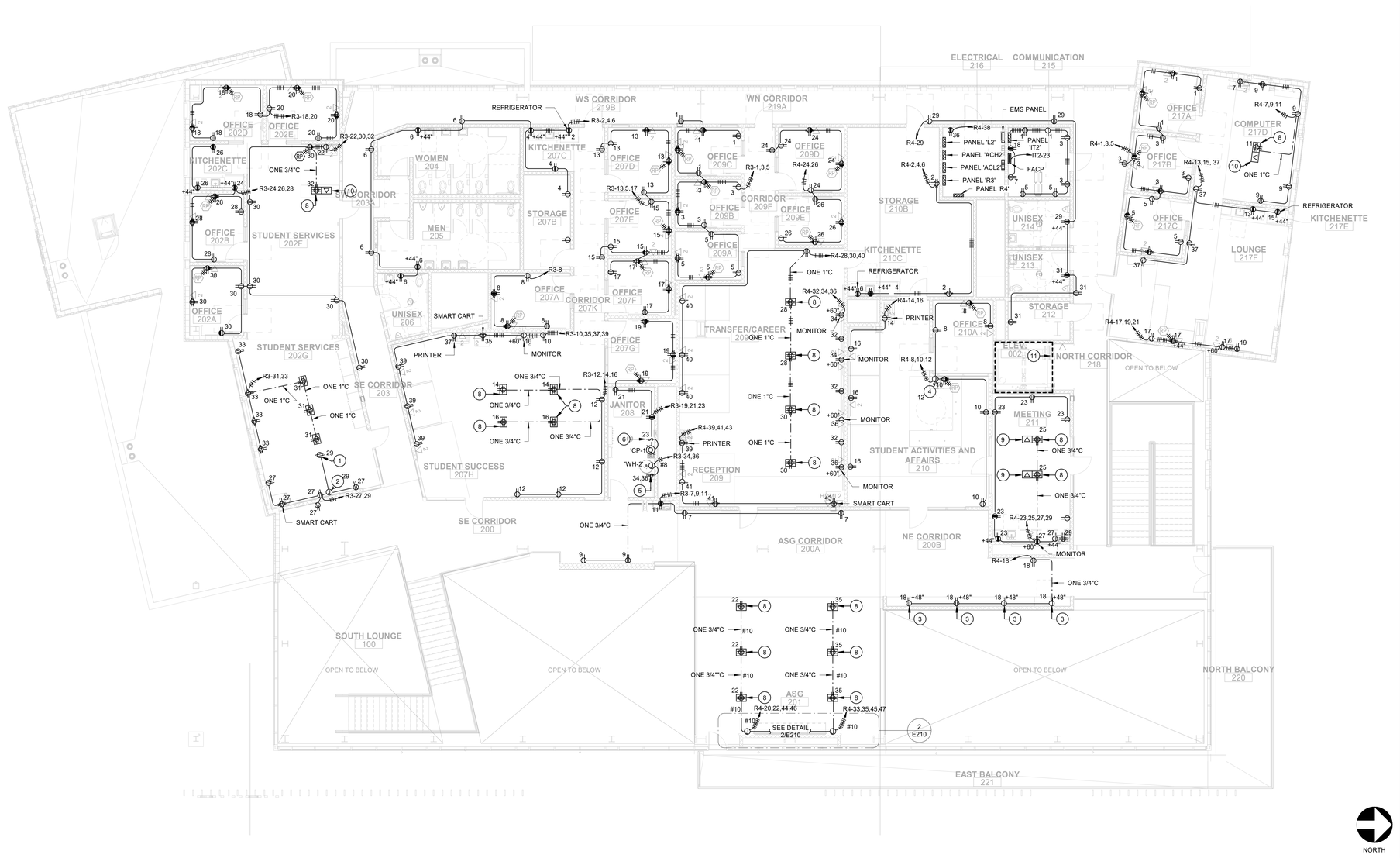
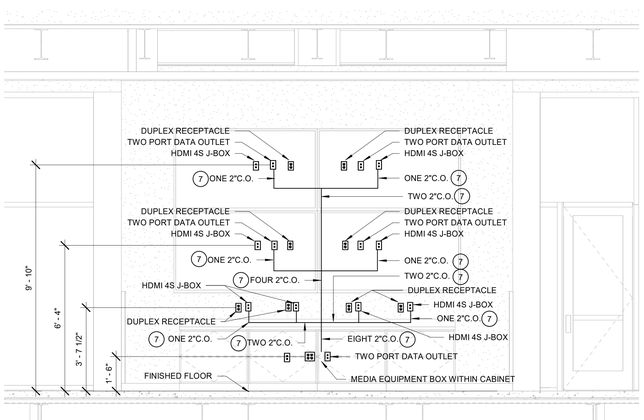


NORTH

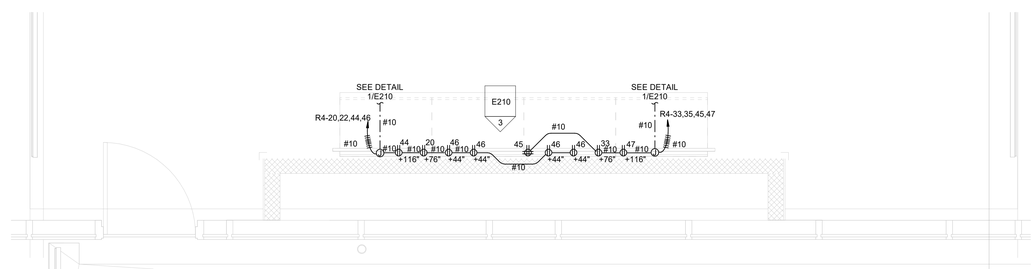
POWER PLAN - SECOND FLOOR — 1/8" = 1'-0" | 1

KEYNOTES

1. PROVIDE 120V 20A RECEPTACLE FOR PROJECTOR. LOCATE RECEPTACLE ABOVE CEILING WITHIN 18" OF PROJECTOR MOUNT.
2. PROVIDE 120V SINGLE PHASE CONNECTION TO 120V SINGLE PHASE MOTORIZED PROJECTOR SCREEN.
3. PROVIDE LEVITON GUAC2-W RECEPTACLE WITH ONE USB TYPE-A AND ONE USB TYPE-C PORTS.
4. PROVIDE CONNECTION TO RECEPTACLES IN COUNTERTOP VIA COUNTERTOP FURNITURE PATHWAYS.
5. PROVIDE 250V 40A 2-POLE MOTOR RATED SWITCH AND PROVIDE CONNECTION TO 208V, SINGLE PHASE, 6000W WATER HEATER 'WH-2'.
6. PROVIDE 120V 20A AC SNAP SWITCH AND PROVIDE CONNECTION TO 120V, SINGLE PHASE, 1/12 HP CIRCULATING PUMP 'CP-1'.
7. PROVIDE ONE 2"C.O. FROM MEDIA EQUIPMENT IN CABINET TO EACH HDMI DATA OUTLET BEHIND EACH MONITOR AND FOUR ABOVE THE CABINET (TOTAL EIGHT 2"C.O.). REFER TO 3/E210. HDMI CABLE AND HDMI OUTLET AND HDMI CABLE TO BE INSTALLED BY OWNER'S AUDIO VISUAL CONTRACTOR.
8. PROVIDE 2-GANG POWER SHALLOW CAST IRON POWER FLOOR BOX RATED FOR SLAB ON-GRADE INSTALLATION WITH TWO DUPLEX RECEPTACLES AND COMBINATION CARPET AND TILE FLANGE AND TWO RECEPTACLE COVERPLATES; LEGRAND OMNI SERIES CAST IRON FLOOR BOX MODEL: 880CM2-1-827B-828R.
9. PROVIDE 2-GANG TELECOMMUNICATION SHALLOW CAST IRON FLOOR BOX RATED FOR SLAB ON-GRADE INSTALLATION WITH BRASS COMMUNICATION COVER PLATE ; LEGRAND OMNI SERIES CAST IRON FLOOR BOX MODEL: 880CM2-1-827C-828GFITC-828MAAP.
10. PROVIDE 1-GANG TELECOMMUNICATION SHALLOW CAST IRON FLOOR BOX RATED FOR SLAB ON-GRADE INSTALLATION WITH BRASS COMMUNICATION COVER PLATE ; LEGRAND OMNI SERIES CAST IRON FLOOR BOX MODEL: 880CM2-1-827C-828GFITC.
11. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.



ASG (RM 201) MONITOR WALL ELEVATION POWER AND DATA — 3/8" = 1'-0" | 3



ENLARGED ELECTRICAL PLAN - ASG 201 — 1/2" = 1'-0" | 2

GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

B. CONDUIT AND CONDUCTORS FOR OUTLETS SHALL BE CONCEALED, U.O.N.

C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

D. ALL 120V 15A AND 20A RECEPTACLES WITHIN KITCHENS, RESTROOMS, INDOOR WET AREA, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOP, AND OUTDOORS SHALL BE GFCI TYPE RECEPTACLES. IN OTHER SPACES, 120V 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL POWER PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
E210

PLOT DATE: 8/13/2026 11:06:34 AM

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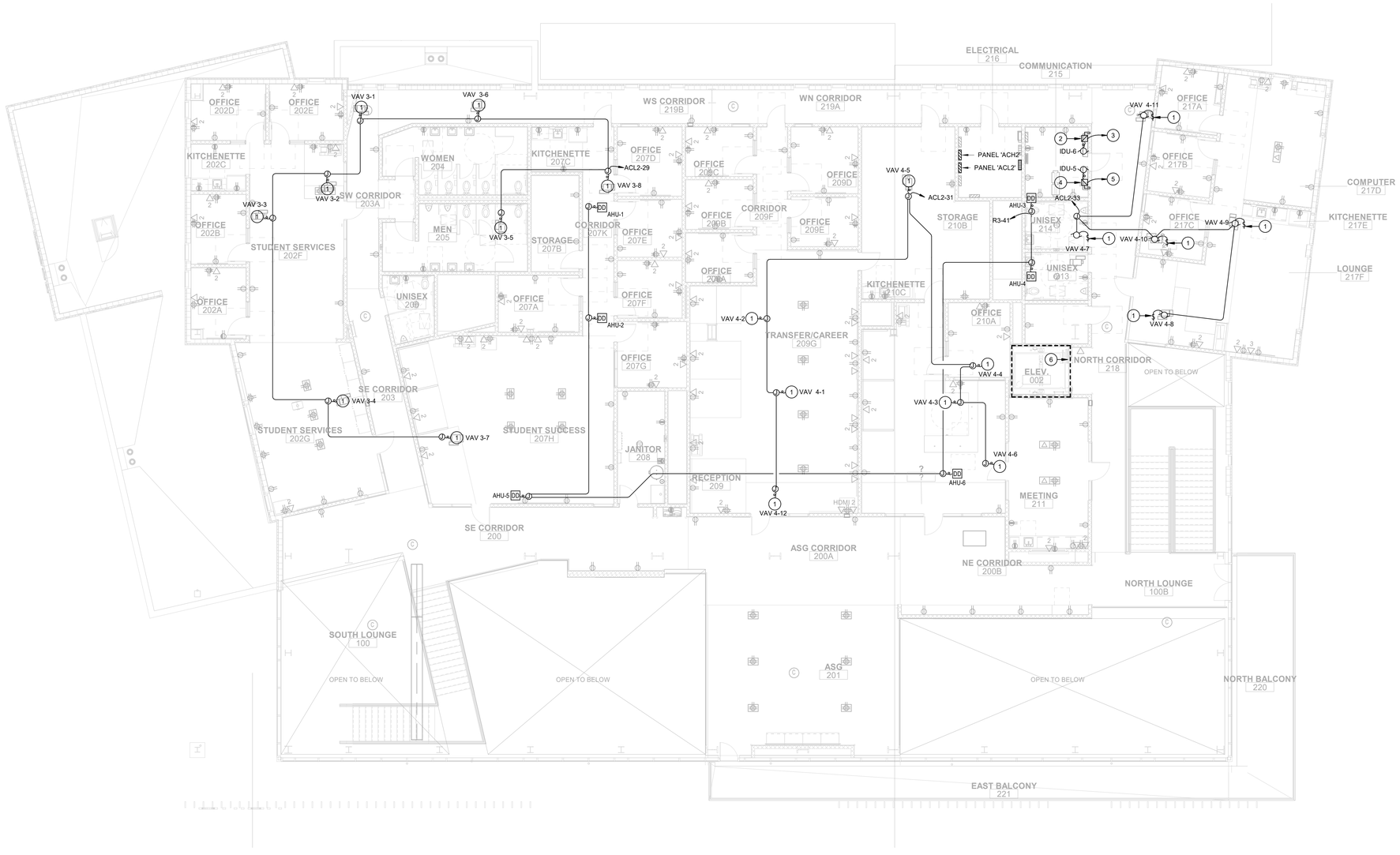

KEYNOTES

1. PROVIDE 120V, 20A AC SNAP SWITCH AND PROVIDE CONNECTION TO VAIRABLE AIR VOLUME BOXES.
2. PROVIDE ONE HEAVY DUTY 250V, 30A, 3POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDECONNECTION TO 208V, SINGLE PHASE INDOOR UNIT IDU-5'.
3. PROVIDE ONE 1"C WITH 2#10CU THWN AND 1# 10 CU GND POWER CONNECTION FROM OUTDOOR UNIT 'ODU-5'.
4. PROVIDE ONE HEAVY DUTY 250V, 30A, 3POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDECONNECTION TO 208V, SINGLE PHASE INDOOR UNIT IDU-6'.
5. PROVIDE ONE 1"C WITH 2#10CU THWN AND 1# 10 CU GND POWER CONNECTION FROM OUTDOOR UNIT 'ODU-6'.
6. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.

GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

B. CONDUIT AND CONDUCTORS FOR NEW OUTLETS SHALL BE CONCEALED, U.O.N.

C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

D. ALL 120V 15A AND 20A RECEPTACLES WITHIN KITCHENS, RESTROOMS, INDOOR WET AREA, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOP, AND OUTDOORS SHALL BE GFCI TYPE RECEPTACLES. IN OTHER SPACES, 120V 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

NORTH

POWER PLAN - SECOND FLOOR - MECHANICAL EQUIPMENT

1/8" = 1'-0" | 1

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL POWER PLAN - SECOND FLOOR - MECHANICAL EQUIPMENT

PROJECT NO.
23-12499

DRAWING
E211

PLOT DATE: 8/13/2026 11:06:38 AM

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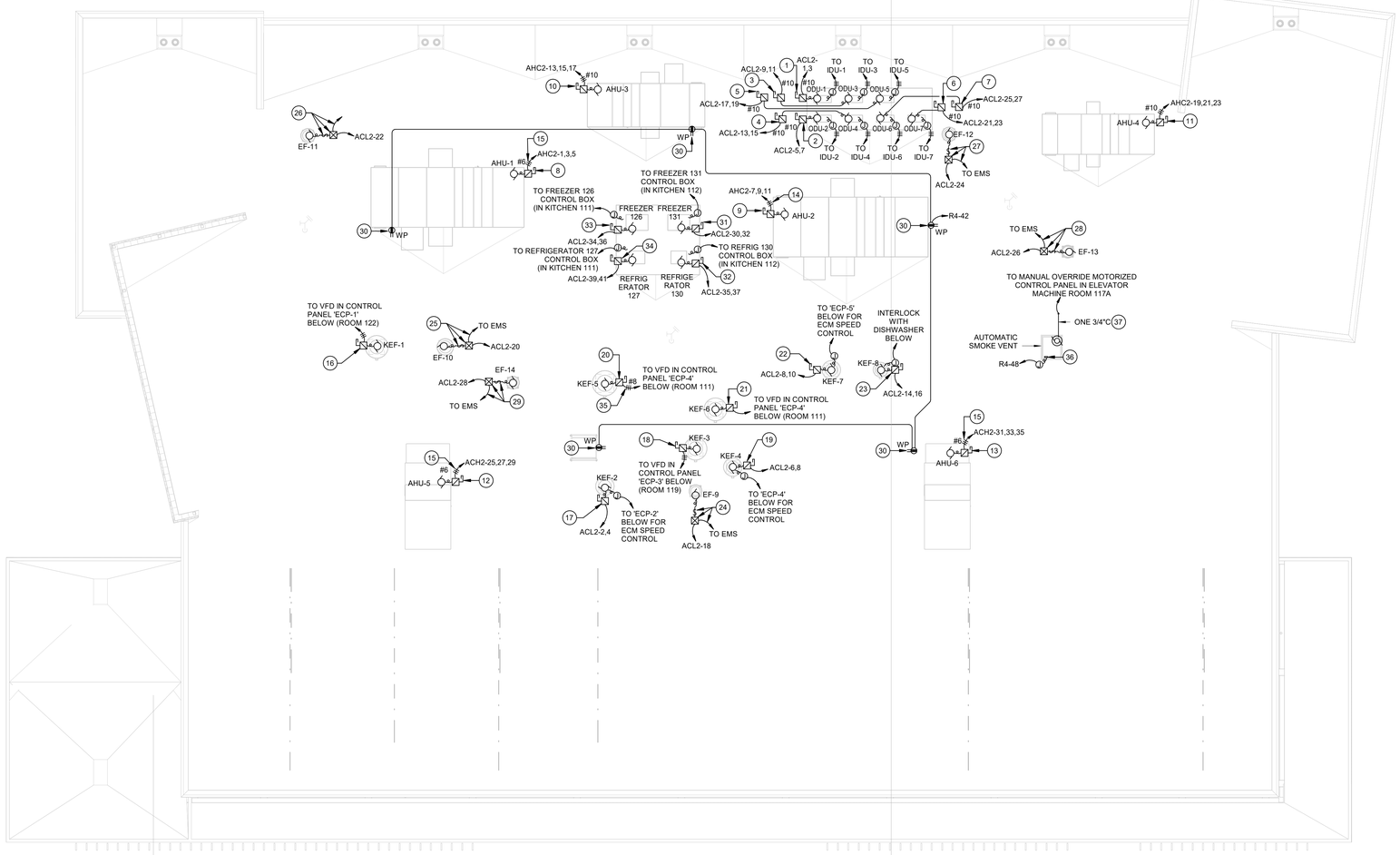

KEYNOTES

1. PROVIDE HEAVY DUTY WEATHERPROOF NEMA 3R 250V, 3-POLE FUSIBLE DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE, 19 MCA, 26 MOCP OUTDOOR UNIT 'ODU-1'.
2. PROVIDE HEAVY DUTY WEATHERPROOF NEMA 3R 250V, 3-POLE FUSIBLE DISCONNECT WITH WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE, 19 MCA, 26 MOCP OUTDOOR UNIT 'ODU-2'.
3. PROVIDE HEAVY DUTY WEATHERPROOF NEMA 3R 250V, 3-POLE FUSIBLE DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE, 11 MCA, 28 MOCP OUTDOOR UNIT 'ODU-3'.
4. PROVIDE HEAVY DUTY WEATHERPROOF NEMA 3R 250V, 3-POLE FUSIBLE DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE, 11 MCA, 28 MOCP OUTDOOR UNIT 'ODU-4'.
5. PROVIDE HEAVY DUTY WEATHERPROOF NEMA 3R 250V, 3-POLE FUSIBLE DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE, 19 MCA, 26 MOCP OUTDOOR UNIT 'ODU-5'.
6. PROVIDE HEAVY DUTY WEATHERPROOF NEMA 3R 250V, 3-POLE FUSIBLE DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE, 19 MCA, 26 MOCP OUTDOOR UNIT 'ODU-6'.
7. PROVIDE HEAVY DUTY WEATHERPROOF NEMA 3R 250V, 3-POLE FUSIBLE DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 208V, SINGLE PHASE, 11 MCA, 28 MOCP OUTDOOR UNIT 'ODU-7'.
8. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT WITH 60A FUSES. PROVIDE CONNECTION TO 460V, 3-PHASE, 53.5 MCA, 60 MOCP, 50 FLA, AIR HANDLER UNIT 'AH-1'.
9. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 100A, 3-POLE FUSED DISCONNECT WITH 90A FUSES. PROVIDE CONNECTION TO 460V, 3-PHASE, 69.25 MCA, 90 MOCP, 64 FLA, AIR HANDLER UNIT 'AH-2'.
10. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 30A, 3-POLE FUSED DISCONNECT WITH 25A FUSES. PROVIDE CONNECTION TO 460V, 3-PHASE, 18.55 MCA, 25 MOCP, 15.8 FLA, AIR HANDLER UNIT 'AH-3'.
11. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 30A, 3-POLE FUSED DISCONNECT WITH 30A FUSES. PROVIDE CONNECTION TO 460V, 3-PHASE, 25.7 MCA, 35 MOCP, 22.2 FLA, AIR HANDLER UNIT 'AH-4'.
12. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT WITH 30A FUSES. PROVIDE CONNECTION TO 460V, 3-PHASE, 17.7 MCA, 30 MOCP, 14.2 FLA, AIR HANDLER UNIT 'AH-5'.
13. PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT WITH 60A FUSES. PROVIDE CONNECTION TO 460V, 3-PHASE, 17.7 MCA, 30 MOCP, 14.2 FLA, AIR HANDLER UNIT 'AH-6'.
14. PROVIDE ONE 1-1/2"C WITH 3#2 CU THWN AND 1#6 CU GND.
15. PROVIDE ONE 1"C WITH 3#6 CU THWN AND 1#8 CU GND.
16. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 20A FUSES. PPROVIDE CONNECTION TO 208V, 3-PHASE, 3HP, EXHAUST FAN 'KEF-1'.
17. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE CONNECTION TO 208V, 1-PHASE, 1HP, EXHAUST FAN 'KEF-2' AND PROVIDE CONDUIT AND CONDUCTORS TO 'ECP-2' FOR EMC MOTOR SPEED CONTROL, REFER TO MECHANICAL.
18. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 20A FUSES. PROVIDE CONNECTION TO 208V, 3-PHASE, 3HP, EXHAUST FAN 'KEF-3'.
19. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE CONNECTION FOR 208V, 1-PHASE, 1HP, EXHAUST FAN 'KEF-4' AND PROVIDE CONDUIT AND CONDUCTORS TO 'ECP-3' FOR EMC MOTOR SPEED CONTROL, REFER TO MECHANICAL.
20. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 30A FUSES. PROVIDE CONNECTION FOR 208V, 3-PHASE, 5HP, EXHAUST FAN 'KEF-5'.
21. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE CONNECTION FOR 208V, 1-PHASE, 1.5HP, EXHAUST FAN 'KEF-6'.
22. PROVIDE CONNECTION FOR 208V, 1-PHASE, 1HP EXHAUST FAN 'KEF-7' THROUGH NEMA 3R SAFETY DISCONNECT SWITCH AND PROVIDE CONDUIT AND CONDUCTORS TO 'ECP-5' FOR EMC MOTOR SPEED CONTROL, REFER TO MECHANICAL.
23. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE CONNECTION FOR 208V, 1-PHASE, 1HP EXHAUST FAN 'KEF-8' AND PROVIDE CONDUIT AND CONDUCTORS TO INTERLOCK 'KEF-8 WITH THE DISHWASHER BELOW.
24. PROVIDE WEATHERPROOF MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 115V, 1-PHASE, 0.1HP, KITCHEN EXHAUST FAN 'EF-9'. PROVIDE 20A, 120V RELAY WITH 1"C AND 4#12 CU THWN TO EMS PANEL, REFER TO MECHANICAL.
25. PROVIDE WEATHERPROOF MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 115V, 1-PHASE, 1/2HP, KITCHEN EXHAUST FAN 'EF-10'. PROVIDE 20A, 120V RELAY WITH 1"C AND 4#12 CU THWN TO EMS PANEL, REFER TO MECHANICAL.
26. PROVIDE WEATHERPROOF MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 115V, 1-PHASE, 1/4HP, KITCHEN EXHAUST FAN 'EF-11'. PROVIDE 20A, 120V RELAY WITH 1"C AND 4#12 CU THWN TO EMS PANEL, REFER TO MECHANICAL.
27. PROVIDE WEATHERPROOF MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 115V, 1-PHASE, 1/4HP, KITCHEN EXHAUST FAN 'EF-12'. PROVIDE 20A, 120V RELAY WITH 1"C AND 4#12 CU THWN TO EMS PANEL, REFER TO MECHANICAL.
28. PROVIDE WEATHERPROOF MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 115V, 1-PHASE, 0.1HP, KITCHEN EXHAUST FAN 'EF-13'. PROVIDE 20A, 120V RELAY WITH 1"C AND 4#12 CU THWN TO EMS PANEL, REFER TO MECHANICAL.
29. PROVIDE WEATHERPROOF MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 115V, 1-PHASE, 0.1HP, KITCHEN EXHAUST FAN 'EF-14'. PROVIDE 20A, 120V RELAY WITH 1"C AND 4#12 CU THWN TO EMS PANEL, REFER TO MECHANICAL.
30. PROVIDE WEATHER-RESISTANT GFCI RECEPTACLE LOCATED ON ROOF WITH WEATHERPROOF COVER.
31. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 30A FUSES. PROVIDE CONNECTION FOR 208V, 1-PHASE, MOCP 30A TO FREEZER 131. PROVIDE ONE 1"C WITH 6#12 CU THWN TO FREEZER 131 FAN COIL UNIT.
32. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE CONNECTION FOR 208V, SINGLE PHASE, MOCP 15A TO REFIGERATOR 130. PROVIDE ONE 1"C WITH 6#12 CU THWN TO REFIGERATOR 130 FAN COIL UNIT.
33. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 30A FUSES. PROVIDE CONNECTION FOR 208V, SINGLE PHASE, MOCP 30A TO FREEZER 126. PROVIDE ONE 1"C WITH 6#12 CU THWN TO FREEZER 126 FAN COIL UNIT.
34. PROVIDE HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT WITH 15A FUSES. PROVIDE CONNECTION FOR 208V, SINGLE PHASE, MOCP 15A TO REFIGERATOR 127. PROVIDE ONE 1"C WITH 6#12 CU THWN TO REFIGERATOR 127 FAN COIL UNIT.
35. ONE 1"C, 3#8 CU THWN, 1#10 CU GND.
36. PROVIDE 120V CONNECTION TO THERMOLATCH MECHANISM IN AUTOMATIC SMOKE VENT VIA FIRE ALARM CONTROL RELAY AND CONTACTOR. REFER TO DETAIL 3/E710.
37. PROVIDE ONE 3/4"C CONDUIT WITH 2#10 CU THWN AND 1#10 CU GND AND CONNECTION TO THE AUTOMATIC SMOKE VENT MOTOR FROM MANUAL OVERIDE CONTROL PANEL IN ELEVATOR MACHINE ROOM 117A.

GENERAL NOTES

A. CONDUIT AND CONDUCTORS FOR OUTLETS SHALL BE CONCEALED, U.O.N.

B. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

C. ALL 120V 15A AND 20A RECEPTACLES WITHIN KITCHENS, RESTROOMS, INDOOR WET AREA, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOP, AND OUTDOORS SHALL BE GFCI TYPE RECEPTACLES. IN OTHER SPACES, 120V 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

NORTH

POWER PLAN - ROOF

1/8" = 1'-0"

1

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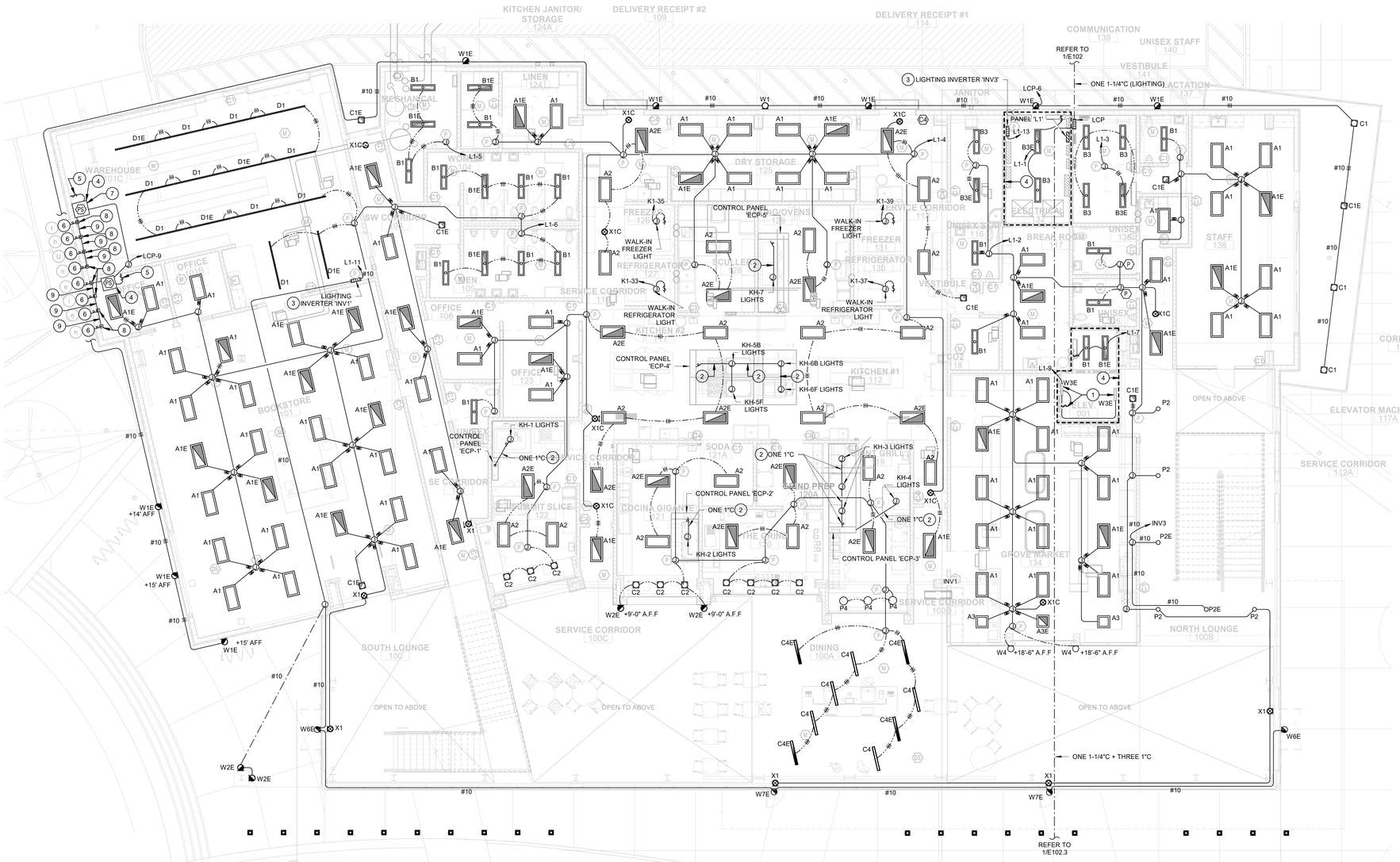
DRAWING TITLE
ELECTRICAL POWER PLAN - ROOF

PROJECT NO.
23-12499

DRAWING
E220

PLOT DATE: 8/13/2026 11:06:41 AM



KEYNOTES

1. PROVIDE ELEVATOR PIT LIGHT AND SWITCH AT 2' ABOVE ELEVATOR PIT FLOOR.
2. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND AND PROVIDE CONNECTION TO FUMEHOOD LIGHTS FROM CONTROL PANEL.
3. PROVIDE IOTA IIS SERIES LIGHTING INVERTER PER EMERGENCY LIGHTING INVERTER SCHEDULE 15/E800. PROVIDE MOUNTING PER DETAIL 14/E602.
4. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
5. PROVIDE SNAP SWITCH DISCONNECT ADJACENT TO PULLCAN.
6. PROVIDE ONE 1/2"C THROUGH WALL FROM ENCLOSURE TO LETTER. ROUTE INTEGRAL CABLE WHIP FROM LETTER TO ENCLOSURE. REFER TO DETAIL 1/A821.
7. PROVIDE 12"x12"x6" ENCLOSURE MOUNTED ABOVE CEILING. PROVIDE 277V:12V, 60VA LED POWER SUPPLY (HANLEY #H60W-SD-12 OR EQUAL) AT ENCLOSURE. CONNECT 24V OUTPUT TO CABLE WHIP FROM LETTER.
8. PROVIDE 6"H x 6"W x 6"D ENCLOSURE MOUNTED ABOVE CEILING BEHIND LETTER. CONNECT CABLE WHIP TO 16/2 CABLE FROM POWER SUPPLY.
9. PROVIDE ONE 3/4"C WITH 2#12 CU THWN AND 1#12 CU GND (12V POWER SUPPLY).

LIGHTING WIRING LEGEND

- ——— LIGHTING BRANCH CIRCUIT IN EMT CONDUIT CONSISTING OF THE FOLLOWING BRANCH CIRCUIT CONDUCTORS:
  1. HOT - 1#12 CU THHN (BROWN, ORANGE OR YELLOW)
  2. NEUTRAL - 1#12 CU THHN (WHITE WITH COLORED STRIPE)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
- ····· CLASS 2 CATEGORY 5E PLENUM RATED CABLE GREEN IN COLOR WITH RJ45 CONNECTORS ON EACH END:
- —·—·— TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. UNSWITCHED HOT - 1#12 CU THHN (ORANGE)
  3. NEUTRAL - 1#12 CU THHN (GREY)
  4. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  5. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)
- —·—·— TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. NEUTRAL - 1#12 CU THHN (GREY)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  4. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)

LIGHTING SYMBOL LEGEND

PRIMARY SIDELIT ZONE:

- (M) NETWORK CEILING MOUNTED OCCUPANCY SENSOR
- (C1) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- (C1) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX WITH STAINLESS STEEL LOCKING COVER PLATE
- (C4) FOUR-SCENE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- (DS) NETWORK DAYLIGHTING SENSOR WITHIN DAYLIT ZONE
- (P) NETWORK DIMMING CONTROL RELAY
- (RP) NETWORK PLUG LOAD CONTROLLER RELAY
- (NG) NETWORK GATEWAY
- (NB) NETWORK BRIDGE
- (AD) NETWORK AUTOMATED DEMAND RESPONSIVE CONTROL INTERFACE
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR AT +48" TO TOP OF OUTLET BOX

GENERAL NOTES

A. CIRCUITS SUPPLYING EMERGENCY LIGHTING FIXTURES SHALL BE SUPPLIED BY A CONTROLLED HOT CONDUCTOR AND A CONSTANT HOT CONDUCTOR OF THE SAME BRANCH CIRCUIT.

B. EXIT SIGNAGE AND WALL MOUNTED EMERGENCY LIGHTING UNITS SHALL BE SUPPLIED BY AN UNSWITCHED HOT CONDUCTOR.

C. REFER TO ARCHITECTURAL SHEETS FOR ELEVATIONS OF WALL MOUNTED LIGHTING FIXTURES.

D. NETWORK DAYLIGHT SENSORS FOR AUTOMATIC DIMMING WITHIN A DAYLIT ZONE SHALL BE CALIBRATED SUCH THAT LIGHTING POWER FOR THE LIGHTING FIXTURES WITHIN THAT DAYLIT ZONE SHALL BE REDUCED BY 65% WHEN DAYLIT ILLUMINANCE IS 150% OF ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER.

E. LIGHTING CONTROLS SHALL BE DEMAND RESPONSIVE AND SHALL AUTOMATICALLY REDUCE BUILDING LIGHTING POWER DEMAND BY 15% IN RESPONSE TO A DEMAND RESPONSE SIGNAL PER 2022 CA ENERGY CODE SECTION 130.1 (e).

F. SEE DETAIL 5/E602 FOR DEMAND RESPONSE NETWORK LIGHTING CONTROLS DIAGRAM.

G. SEE DETAIL 20/E602 FOR nLIGHT ENABLED FIXTURE LIGHTING DIMMING CONTROLS DIAGRAM.

H. SEE DETAIL 25/E602 FOR nLIGHT DIMMER PACK LIGHTING DIMMING CONTROLS DIAGRAM.

LIGHTING POWER PLAN - FIRST FLOOR

1/8" = 1'-0" | 1

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A	260624	DSA BACKCHECK
A	08/14/26	DSA BACKCHECK

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DRAWING TITLE
LIGHTING POWER PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
E300

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PLOT DATE: 8/13/2026 11:06:49 AM

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KEYNOTES

1. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
2. DIMMING CONTROL RELAY TO INVERTER 'INV-1' TO BE PROGRAMMED WITH ASTRONOMICAL TIME SETTINGS FOR EXTERIOR LIGHT FIXTURES W2E, W6E, AND W7E.

LIGHTING WIRING LEGEND

- LIGHTING BRANCH CIRCUIT IN EMT CONDUIT CONSISTING OF THE FOLLOWING BRANCH CIRCUIT CONDUCTORS:
  1. HOT - 1#12 CU THHN (BROWN, ORANGE OR YELLOW)
  2. NEUTRAL - 1#12 CU THHN (WHITE WITH COLORED STRIPE)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
- CLASS 2 CATEGORY 5E PLENUM RATED CABLE GREEN IN COLOR WITH RJ45 CONNECTORS ON EACH END:
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. UNSWITCHED HOT - 1#12 CU THHN (ORANGE)
  3. NEUTRAL - 1#12 CU THHN (GREY)
  4. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  5. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. NEUTRAL - 1#12 CU THHN (GREY)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  4. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)

LIGHTING SYMBOL LEGEND

PRIMARY SIDELIT ZONE:

- (M) NETWORK CEILING MOUNTED OCCUPANCY SENSOR
- (C1) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- (C1) L SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX WITH STAINLESS STEEL LOCKING COVER PLATE
- (C4) FOUR-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT + 48" TO TOP OF OUTLET BOX
- (DS) NETWORK DAYLIGHTING SENSOR WITHIN DAYLIT ZONE
- (P) NETWORK DIMMING CONTROL RELAY
- (RP) NETWORK PLUG LOAD CONTROLLER RELAY
- (AG) NETWORK GATEWAY
- (AB) NETWORK BRIDGE
- (AD) NETWORK AUTOMATED DEMAND RESPONSIVE CONTROL INTERFACE
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR AT +48" TO TOP OF OUTLET BOX

GENERAL NOTES

A. CIRCUITS SUPPLYING EMERGENCY LIGHTING FIXTURES SHALL BE SUPPLIED BY A CONTROLLED HOT CONDUCTOR AND A CONSTANT HOT CONDUCTOR OF THE SAME BRANCH CIRCUIT.

B. EXIT SIGNAGE AND WALL MOUNTED EMERGENCY LIGHTING UNITS SHALL BE SUPPLIED BY AN UNSWITCHED HOT CONDUCTOR.

C. REFER TO ARCHITECTURAL SHEETS FOR ELEVATIONS OF WALL MOUNTED LIGHTING FIXTURES.

D. NETWORK DAYLIGHT SENSORS FOR AUTOMATIC DIMMING WITHIN A DAYLIT ZONE SHALL BE CALIBRATED SUCH THAT LIGHTING POWER FOR THE LIGHTING FIXTURES WITHIN THAT DAYLIT ZONE SHALL BE REDUCED BY 65% WHEN DAYLIT ILLUMINANCE IS 150% OF ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER.

E. LIGHTING CONTROLS SHALL BE DEMAND RESPONSIVE AND SHALL AUTOMATICALLY REDUCE BUILDING LIGHTING POWER DEMAND BY 15% IN RESPONSE TO A DEMAND RESPONSE SIGNAL PER 2022 CA ENERGY CODE SECTION 130.1 (e).

NORTH

LIGHTING CONTROL PLAN - FIRST FLOOR

1/8" = 1'-0" | 1

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DRAWING TITLE
LIGHTING CONTROL PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
E301

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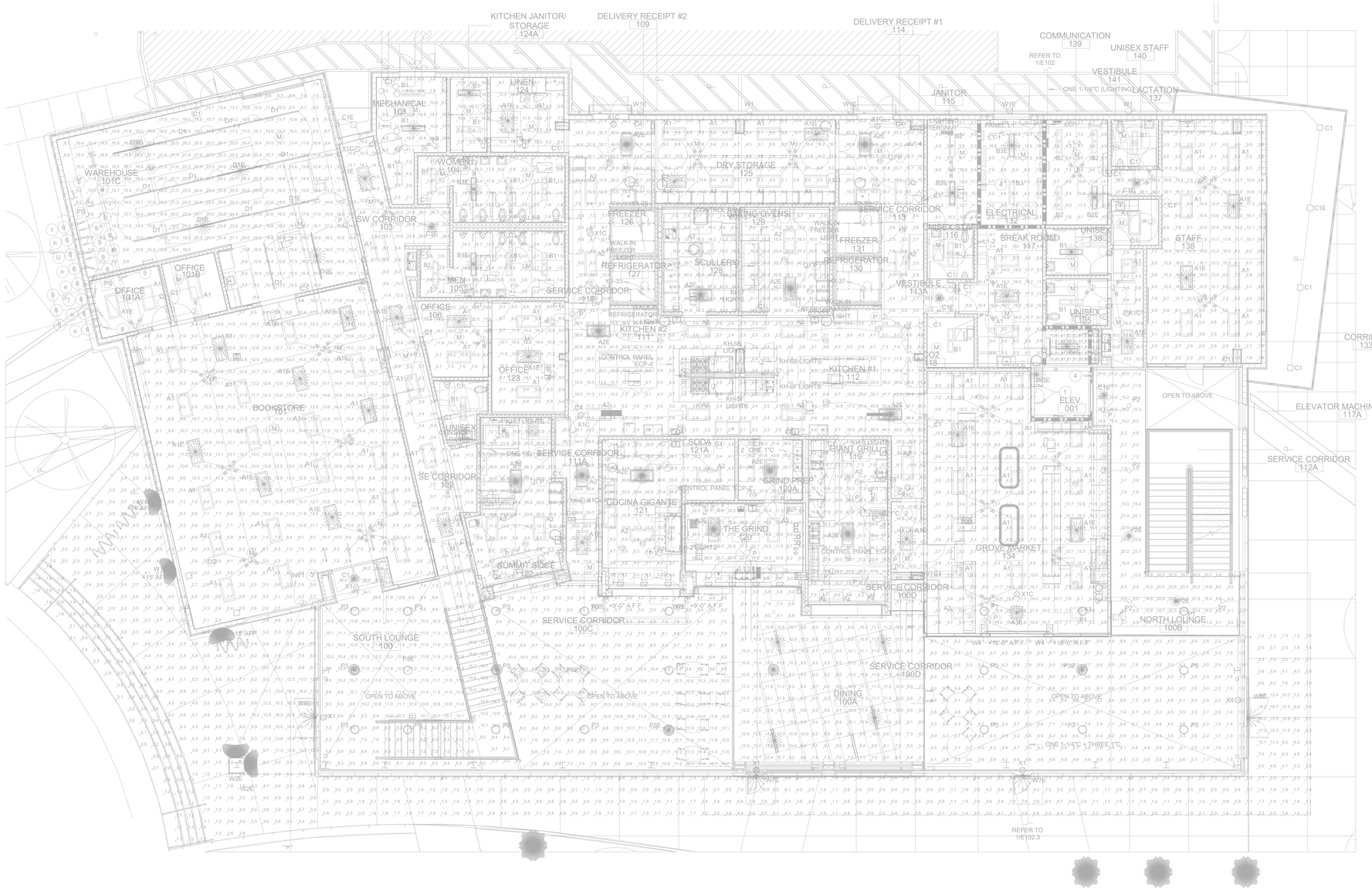

PHOTOMETRICS LEGEND

LOCATION	AVERAGE (fc)
100 SOUTH LOUNGE	10.2
100A DINING	9.8
100B NORTH LOUNGE	5.4
100C SERVICE CORRIDOR	18.9
100D SERVICE CORRIDOR	12.7
101 BOOKSTORE	9.7
101C WAREHOUSE	16.2
102 SE COORIDOR	11.4
103 SW CORRIDOR	11.4
104 WOMEN RESTROOM	6.9
105 MENS RESTROOM	6.9
106 OFFICE	14.3
108 MECHANICAL	9.3
109 DELIVERY RECEIPT 2	27.8
110 SEVICE CORRIDOR	15.5
111 KITCHEN 2	13.9
111A SERVICE CORRIDOR	13.9
112 KITCHEN 1	13.9
112A SERVICE CORRIDOR	12.1
113 SERVICE CORRIDOR	12.6
114 DELIVERY RECEIPT 1	27.8
115 JANITOR	8.7
117 BREAK ROOM	9.8
117A ELEVATOR MACHINE ROOM	11.0
119 GIANT GRILL	19.4
120 THE GRIND	23.1
120A GRIND PREP	38.5
121 COCINA GIGANTE	18.1
122 SUMMIT SLICE	17.0
123 OFFICE	11.0
124 LINEN	11.8
124A KITCHEN JANITOR	12.8
125 DRY STORAGE	8.7
128 SCULLERY	27.9
129 BACKING OVENS	18.8
132 ELECTRICAL	7.8
133 CORRIDOR	10.6
134 GROVE MARKET	7.3
138 STAFF	9.9
139 COMMUNICATIONS	7.2
141 VESTIBULE	10.9
EXTERIOR DOOR NORTH	3.1
EXTERIOR DOOR SOUTH	5.9
EXTERIOR EAST	3.1
EXTERIOR WEST	3.1

LIGHTING PHOTOMETRICS - FIRST FLOOR

N.T.S. | 1

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LIGHTING PHOTOMETRICS - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
E302

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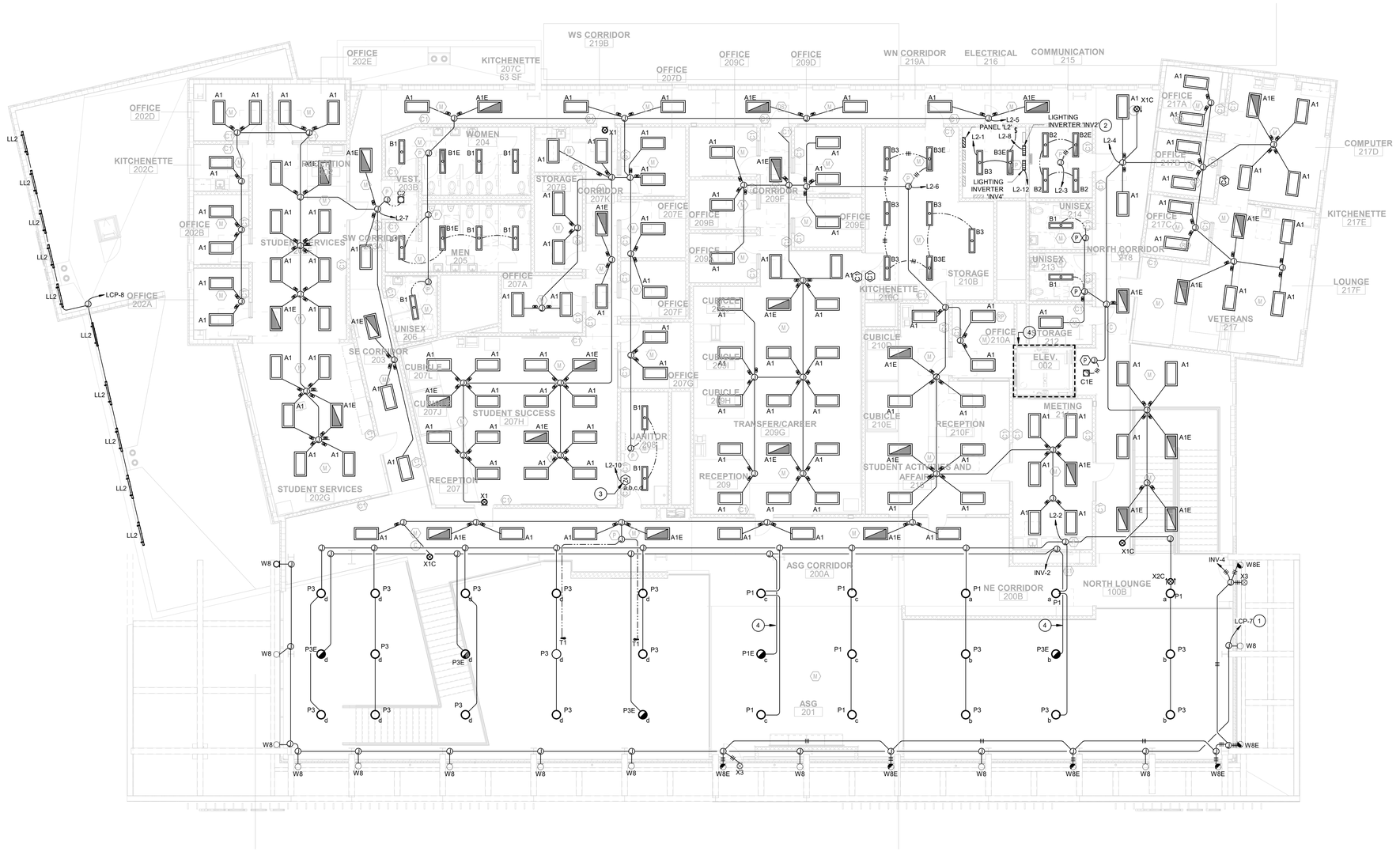

KEYNOTES

1. ROUTE LIGHTING BRANCH CIRCUIT THROUGH LIGHTING CONTROL PANEL 'LCP'.
2. PROVIDE IOTA IIS SERIES LIGHTING INVERTER PER EMERGENCY LIGHTING INVERTER SCHEDULE 15/E800. PROVIDE MOUNTING PER DETAIL 14/E602.
3. PROVIDE POWER CONNECTION TO NLIGHT AIR LIGHTING CONTROL STATION FOR TYPE P1, P1E, P3 AND P3 LIGHT FIXTURES. (MODEL NLIGHT MODEL RPODL-4S-DX-MVOLT-WH)
4. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS

LIGHTING WIRING LEGEND

- LIGHTING BRANCH CIRCUIT IN EMT CONDUIT CONSISTING OF THE FOLLOWING BRANCH CIRCUIT CONDUCTORS:
  1. HOT - 1#12 CU THHN (BROWN, ORANGE OR YELLOW)
  2. NEUTRAL - 1#12 CU THHN (WHITE WITH COLORED STRIPE)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
- CLASS 2 CATEGORY 5E PLENUM RATED CABLE GREEN IN COLOR WITH RJ45 CONNECTORS ON EACH END:
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. UNSWITCHED HOT - 1#12 CU THHN (ORANGE)
  3. NEUTRAL - 1#12 CU THHN (GREY)
  4. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  5. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. NEUTRAL - 1#12 CU THHN (GREY)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  4. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)

LIGHTING SYMBOL LEGEND

PRIMARY SIDELIT ZONE:

- (M) NETWORK CEILING MOUNTED OCCUPANCY SENSOR
- (C1) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- (C1L) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX WITH STAINLESS STEEL LOCKING COVER PLATE
- (C4) FOUR-SCENE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- (DS) NETWORK DAYLIGHTING SENSOR WITHIN DAYLIT ZONE
- (P) NETWORK DIMMING CONTROL RELAY
- (RP) NETWORK PLUG LOAD CONTROLLER RELAY
- (NG) NETWORK GATEWAY
- (NB) NETWORK BRIDGE
- (AD) NETWORK AUTOMATED DEMAND RESPONSIVE CONTROL INTERFACE
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR AT +48" TO TOP OF OUTLET BOX
- (Z4) FOUR-ZONE NLIGHT AIR NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX WITH STAINLESS STEEL LOCKING COVER PLATE. NLIGHT MODEL RPODL-2S-DX-MVOLT-WH

GENERAL NOTES

A. CIRCUITS SUPPLYING EMERGENCY LIGHTING FIXTURES SHALL BE SUPPLIED BY A CONTROLLED HOT CONDUCTOR AND A CONSTANT HOT CONDUCTOR OF THE SAME BRANCH CIRCUIT.

B. EXIT SIGNAGE AND WALL MOUNTED EMERGENCY LIGHTING UNITS SHALL BE SUPPLIED BY AN UNSWITCHED HOT CONDUCTOR.

C. REFER TO ARCHITECTURAL SHEETS FOR ELEVATIONS OF WALL MOUNTED LIGHTING FIXTURES.

D. NETWORK DAYLIGHT SENSORS FOR AUTOMATIC DIMMING WITHIN A DAYLIT ZONE SHALL BE CALIBRATED SUCH THAT LIGHTING POWER FOR THE LIGHTING FIXTURES WITHIN THAT DAYLIT ZONE SHALL BE REDUCED BY 65% WHEN DAYLIT ILLUMINANCE IS 150% OF ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER.

E. LIGHTING CONTROLS SHALL BE DEMAND RESPONSIVE AND SHALL AUTOMATICALLY REDUCE BUILDING LIGHTING POWER DEMAND BY 15% IN RESPONSE TO A DEMAND RESPONSE SIGNAL PER 2022 CA ENERGY CODE SECTION 130.1 (e).

F. SEE DETAIL 5/E602 FOR DEMAND RESPONSE NETWORK LIGHTING CONTROLS DIAGRAM.

G. SEE DETAIL 20/E602 FOR nLIGHT ENABLED FIXTURE LIGHTING DIMMING CONTROLS DIAGRAM.

H. SEE DETAIL 25/E602 FOR nLIGHT DIMMER PACK LIGHTING DIMMING CONTROLS DIAGRAM.

NORTH

1/8" = 1'-0" | 1

LIGHTING POWER PLAN - SECOND FLOOR

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
LIGHTING POWER PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
E310

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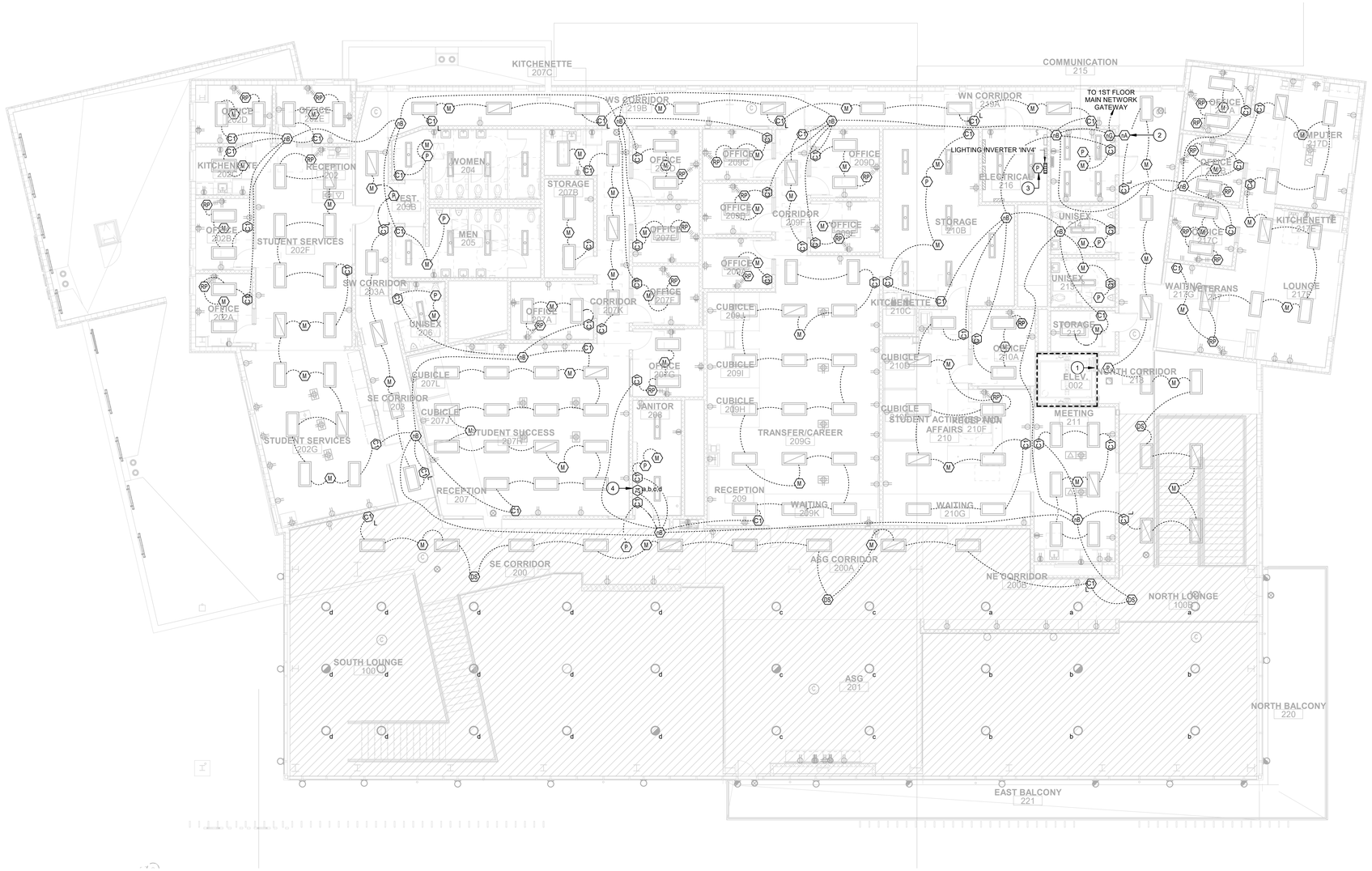

KEYNOTES

1. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
2. PROVIDE ONE NECYD EX150 EXTENDER MODULE AND NECYD NLTAIR G2 ANTENNA PER DETAIL 28/E602.
3. DIMMING CONTROL RELAY TO INVERTER 'INV-4' TO BE PROGRAMMED WITH ASTRONOMICAL TIME SETTINGS FOR EXTERIOR LIGHT FIXTURES WBE.
4. NLIGHT AIR LIGHTING CONTROL STATION FOR TYPE P1, P1E, P3 AND P3 LIGHT FIXTURES. (MODEL NLIGHT MODEL RPODL-4S-DX-MVOLT-WH)

LIGHTING WIRING LEGEND

- LIGHTING BRANCH CIRCUIT IN EMT CONDUIT CONSISTING OF THE FOLLOWING BRANCH CIRCUIT CONDUCTORS:
  1. HOT - 1#12 CU THHN (BROWN, ORANGE OR YELLOW)
  2. NEUTRAL - 1#12 CU THHN (WHITE WITH COLORED STRIPE)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
- CLASS 2 CATEGORY 5E PLENUM RATED CABLE GREEN IN COLOR WITH RJ45 CONNECTORS ON EACH END:
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. UNSWITCHED HOT - 1#12 CU THHN (ORANGE)
  3. NEUTRAL - 1#12 CU THHN (GREY)
  4. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  5. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
  1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
  2. NEUTRAL - 1#12 CU THHN (GREY)
  3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
  4. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)

LIGHTING SYMBOL LEGEND

PRIMARY SIDELIT ZONE:

- (M) NETWORK CEILING MOUNTED OCCUPANCY SENSOR
- (C1) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- (C1L) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX WITH STAINLESS STEEL LOCKING COVER PLATE
- (C4) FOUR-SCENE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- (DS) NETWORK DAYLIGHTING SENSOR WITHIN DAYLIT ZONE
- (P) NETWORK DIMMING CONTROL RELAY
- (RP) NETWORK PLUG LOAD CONTROLLER RELAY
- (G) NETWORK GATEWAY
- (B) NETWORK BRIDGE
- (A) NETWORK nLIGHT AIR WIRELESS ADAPTER
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR AT +48" TO TOP OF OUTLET BOX
- (Z4) FOUR-ZONE NLIGHT AIR NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX WITH STAINLESS STEEL. NLIGHT MODEL RPODL-SS-DX-MVOLT-WH

GENERAL NOTES

A. CIRCUITS SUPPLYING EMERGENCY LIGHTING FIXTURES SHALL BE SUPPLIED BY A CONTROLLED HOT CONDUCTOR AND A CONSTANT HOT CONDUCTOR OF THE SAME BRANCH CIRCUIT.

B. EXIT SIGNAGE AND WALL MOUNTED EMERGENCY LIGHTING UNITS SHALL BE SUPPLIED BY AN UNSWITCHED HOT CONDUCTOR.

C. REFER TO ARCHITECTURAL SHEETS FOR ELEVATIONS OF WALL MOUNTED LIGHTING FIXTURES.

D. NETWORK DAYLIGHT SENSORS FOR AUTOMATIC DIMMING WITHIN A DAYLIT ZONE SHALL BE CALIBRATED SUCH THAT LIGHTING POWER FOR THE LIGHTING FIXTURES WITHIN THAT DAYLIT ZONE SHALL BE REDUCED BY 65% WHEN DAYLIT ILLUMINANCE IS 150% OF ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER.

E. LIGHTING CONTROLS SHALL BE DEMAND RESPONSIVE AND SHALL AUTOMATICALLY REDUCE BUILDING LIGHTING POWER DEMAND BY 15% IN RESPONSE TO A DEMAND RESPONSE SIGNAL PER 2016 CA ENERGY CODE SECTION 130.1 (e).

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COLLEGE OF THE SEQUOIAS
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DRAWING TITLE
LIGHTING CONTROL PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
E311

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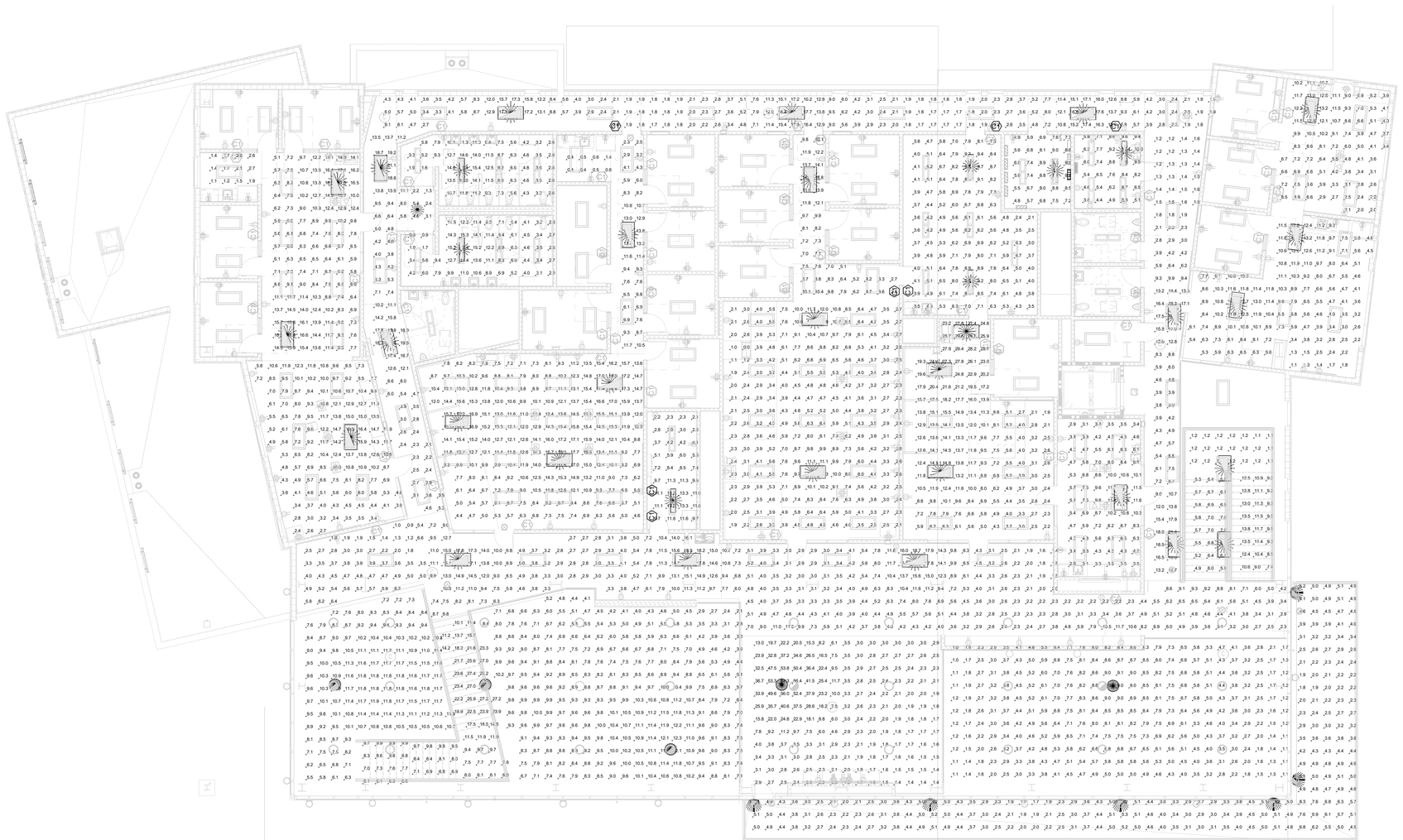

PHOTOMETRICS LEGEND

LOCATION	AVERAGE...
200F STUDENT SERVICE	10.1
201 ASG	9.7
201 CORRIDOR	7.2
202C KITCHENNETTE	1.8
202G STUDENT SERVICES	8.4
203 CORRIDOR	8.3
204 WOMENS RESTROOM	7.9
205 MENS RESTROOM	7.5
207C KITCHENETTE	14.0
207H STUDENT SUCCESS	11.4
207K CORRIDOR	10.4
208 JANITOR	7.6
209F HALLWAY	8.7
209G TRANSFER/CAREER	5.0
210 STUDENT AFFAIRS	11.5
210B STORAGE & 210C KITCHENNETTE	6.0
211 MEETING	6.4
215 ELECTRICAL ROOM	7.7
216 COMMUNICATION	7.1
217D COMPUTER	6.8
217F LOUNGE	7.5
217 VETERANS	7.5
219 CORRIDOR	6.3
200 CORRIDOR	6.2
BALCONY	3.8
NORTH STAIRS	7.4
SOUTH STAIRS	8.3

NORTH

LIGHTING PHOTOMETRICS - SECOND FLOOR | N.T.S. | 1

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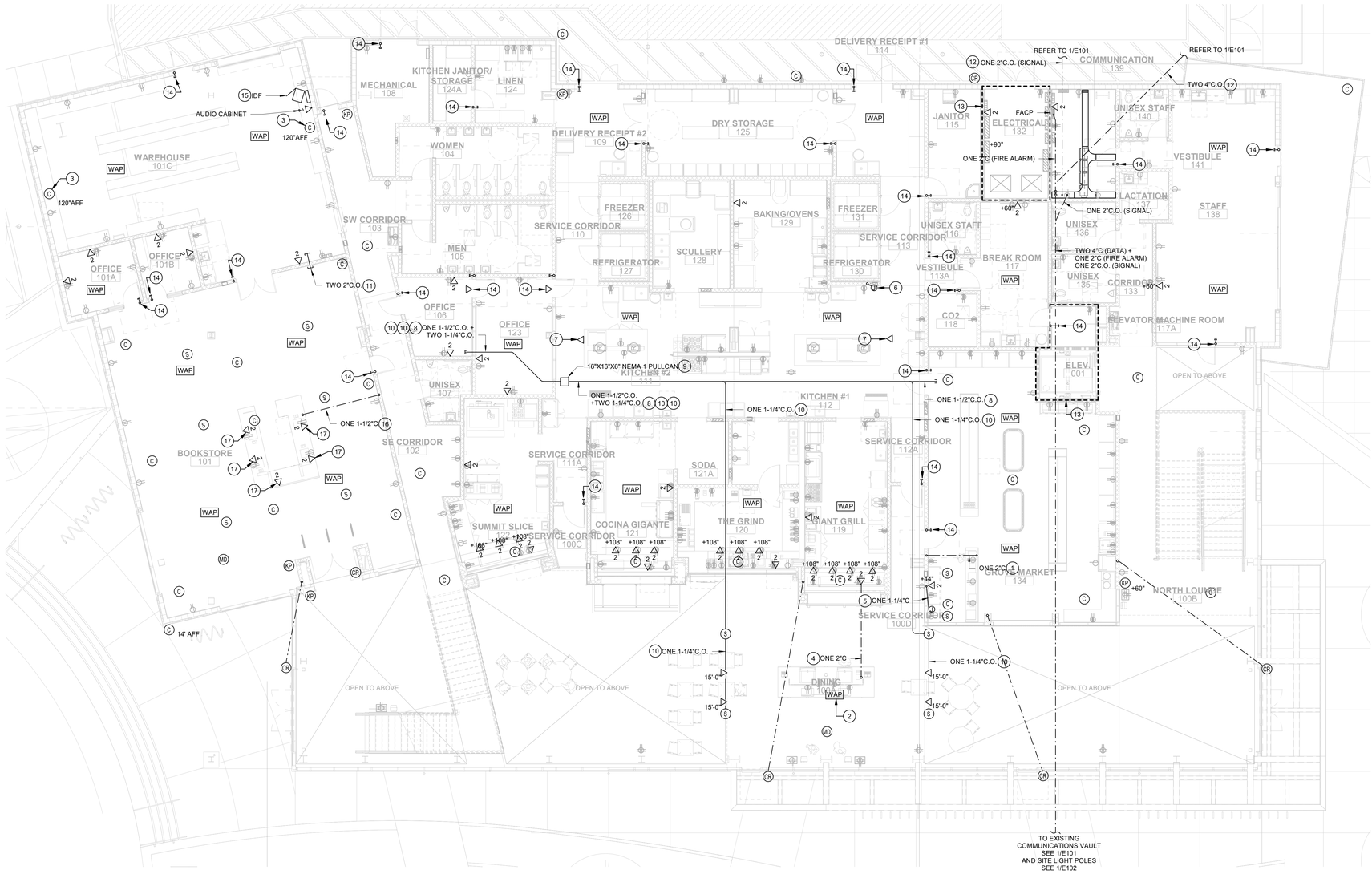
DRAWING TITLE
LIGHTING PHOTOMETRICS PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
E312



NORTH

SIGNAL PLAN - FIRST FLOOR 1/8" = 1'-0" 1

KEYNOTES

1. PROVIDE ONE 2"C.O. PATHWAY STUBBED FROM CEILING AND STUBBED INTO CHECKOUT COUTER CASEWORK FOR CONNECTION OF DATA CABLES TO EACH POINT OF SALE EQUIPMENT.
2. PROVIDE CONNECTION TO WIRELESS ACCESS POINT INSIDE CABINET.
3. PROVIDE 4S BOX FOR WALL MOUNTED CAMERA AT +120"AFF.
4. PROVIDE CONNECTION TO DATA DEVICES IN COUNTERTOP VIA COUNTERTOP FURNITURE PATHWAYS.
5. PROVIDE ONE 1-1/4"C.O. STUBBED FROM CABINET TO CEILING TO FACILTATE CONDUIT PATHWAYS FOR FOR AUDIO DEVICES.
6. PROVIDE JUNCTION BOX AT +48" AFF WITH 2"C.O. STUBBED ABOVE CEILING TO FACILITATE PATHWAY CONNECTION TO CEILING MOUNTED MONITORS.
7. PROVIDE DATA OUTLET FOR MONITOR. LOCATE RECEPTACLE ABOVE CLOUD WITHIN 18" OF MONITOR MOUNT.
8. PROVIDE ONE 1-1/2"C.O. FROM GARDEN GROVE MARKET (RM 134) TO OFFICE (RM 106) ABOVE CEILING TO FACILITATE CONDUIT PATHWAY FOR SECURITY CAMERA DEVICES.
9. PROVIDE 16"X16"X6" NEMA 1 PULLCAN ABOVE CEILING TO FACILITATE PATHWAY FOR AUDIO AND SECURITY DEVICES TO OFFICE (RM106).
10. PROVIDE ONE 1-1/4"C.O. FROM OFFICE (RM 106) TO MEZZANINE TO FACILITATE CONDUIT PATHWAY FOR AUDIO DEVICES ON MEZZANINE.
11. PROVIDE TWO 2"C.O. FROM WAREHOUSE (RM 101C) TO ACCESSIBLE CEILING IN BOOKSTORE (RM 101) TO FACILITATE CONDUIT PATHWAY OF SECURITY DEVICES AND AUDIO DEVICES TO AUDIO CABINET IN WAREHOUSE.
12. CONDUIT INSTALLATION DEPTH FROM TOP OF CONDUIT SHALL BE 5'-0" MINIMUM BELOW FINISHED FLOOR.
13. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
14. PROVIDE ONE 1/2"C FROM CEILING TO DOOR HEADER AT HINGE SIDE OF DOOR PER DETAIL 30/E603.
15. PROVIDE IDF CABINET AND WALL MOUNT AT +80" AFF MINIMUM.
16. PROVIDE ONE 1-1/2"C WITH TEN TYPE 'D' CABLES TO FOR DATA DEVICES IN COUNTERTOP.
17. PROVIDE CONNECTFOR DATA DEVICES IN COUNTERTOP VIA COUNTERTOP FURNITURE PATHWAYS.

TELECOMMUNICATION PATHWAY NOTES

A. CONDUIT AND CABLES FOR TELECOMMUNICATION OUTLETS SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILINGS.

B. TELECOMMUNICATION OUTLET BOXES SHALL BE 5" SQUARE BY 2-7/8" DEEP WITH A SINGLE-GANG BOX EXTENSION THAT IS MOUNTED FLUSH WITH THE FINISHED WALL.

C. PROVIDE ONE 1"C STUBBED FROM EACH TELECOMMUNICATION OUTLET BOX INTO THE ACCESSIBLE ATTIC SPACE TO FACILITATE TELECOMMUNICATION CABLE INSTALLATION.

D. PROVIDE THREADED SET SCREW CONNECTORS WITH POLYPROPYLENE BUSHINGS AT EACH END OF CONDUIT SYSTEMS USED FOR TELECOMMUNICATION CABLE INSTALLATION. BUSHINGS SHALL BE INSTALLED AND INSPECTED PRIOR TO CABLE INSTALLATION.

E. CABLE TRAYS SHALL COMPLY WITH NEMA VE 1 STANDARDS AND SHALL BE INSTALLED IN ACCORDANCE WITH NEMA VE 2 INSTALLATION GUIDELINES.

F. THROUGH WALL CONDUIT SLEEVES FOR LOW VOLTAGE CABLING SHALL BE CONCEALED ABOVE CEILINGS.

G. PROVIDE FIRE STOPPING AT RATED WALL PENETRATIONS PER DRAWING E601 DETAILS 25, 28, AND 30.

H. REFER TO DRAWINGS E420 FOR ADDITIONAL TELECOMMUNICATION EQUIPMENT AND PATHWAYS IN COMMUNICATIONS ROOM.

TELECOMMUNICATION CABLING NOTES

A. EACH TELECOMMUNICATION CABLE SHALL BE HOMERUN FROM THE TELECOMMUNICATION OUTLET TO A PATCH PANEL LOCATED IN THE TELECOMMUNICATION ROOM.

B. TELECOMMUNICATION CABLES SHALL BE NEATLY BUNDLED WITH VELCRO STRAPS AT 36"O.C.

C. TELECOMMUNICATION CABLES SHALL BE INDEPENDENTLY SUPPORTED FROM J-HOOKS WITHIN THE ACCESSIBLE ATTIC SPACE WHERE THEY ARE NOT WITHIN CONDUIT OR SUPPORTED ON CABLE TRAY.

D. TELECOMMUNICATION CABLES SHALL BE TERMINATED WITH MODULAR JACKS ON PATCH PANELS IN THE TELECOMMUNICATION ENCLOSURE AND ON MODULAR JACKS AT THE TELECOMMUNICATION OUTLETS.

E. TELECOMMUNICATION CABLE SERVING WIRELESS ACCESS POINTS SHALL BE TERMINATED WITH PLUG TYPE CONNECTORS AT THE LOCATION OF THE WIRELESS ACCESS POINT.

SECURITY AND ACCESS ROUGH-IN NOTES

A. SECURITY AND ACCESS SYSTEM ROUGH-IN REQUIREMENTS:

a. AT DOOR CONTACT LOCATIONS - DRILL 1/2" HOLE IN STRIKE SIDE OF DOOR FRAME AND THROUGH HEADER, INSTALL A PULL WIRE BETWEEN OPENING IN DOOR FRAME AND ACCESSIBLE ATTIC.

b. AT MOTION DETECTOR LOCATIONS - INSTALL A SINGLE-GANG OUTLET BOX WITH A SINGLE-GANG TRIM-RING IN WALL AT 84" A.F.F., INSTALL ONE 1/2"C INTO ACCESSIBLE ATTIC SPACE, INSTALL A PULL WIRE BETWEEN OUTLET BOX AND ACCESSIBLE ATTIC.

c. AT KEYPAD LOCATIONS - INSTALL A SINGLE-GANG OUTLET BOX WITH A SINGLE-GANG TRIM-RING IN WALL AT 48" A.F.F. TO TOP OF BOX, INSTALL ONE 3/4"C INTO ACCESSIBLE ATTIC SPACE, INSTALL A PULL WIRE BETWEEN OUTLET BOX AND ACCESSIBLE ATTIC.

d. AT CARD READER LOCATIONS - INSTALL A SINGLE-GANG OUTLET BOX WITH A SINGLE-GANG TRIM-RING IN WALL AT 48" A.F.F. TO TOP OF BOX, INSTALL ONE 3/4"C INTO ACCESSIBLE ATTIC SPACE, INSTALL A PULL WIRE BETWEEN OUTLET BOX AND ACCESSIBLE ATTIC.

e. SECURITY LOCATIONS
- INTERIOR WALLS: PROVIDE 4S BOX FLUSH IN WALL AT +8' AFG OR AS OTHERWIASED NOTED. PROVIDE ONE 1"C TO ACCESSIBLE ATTIC SPACE.
- EXTERIOR WALLS: PROVIDE WEATHERPROOF 4S BOX FLUSH IN WALL AT +8' AFG OR AS OTHERWIASED NOTED. PROVIDE ONE 1"C TO ACCESSIBLE ATTIC SPACE.
- NOTE: CAMERA ROUGH-IN LOCATIONS SHALL BE COORDINATED SUCH THAT THE FIELD OF VIEW FOR THE CAMERA IS FREE FROM OBSTRUCTIONS.

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DRAWING TITLE
SIGNAL PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
E400

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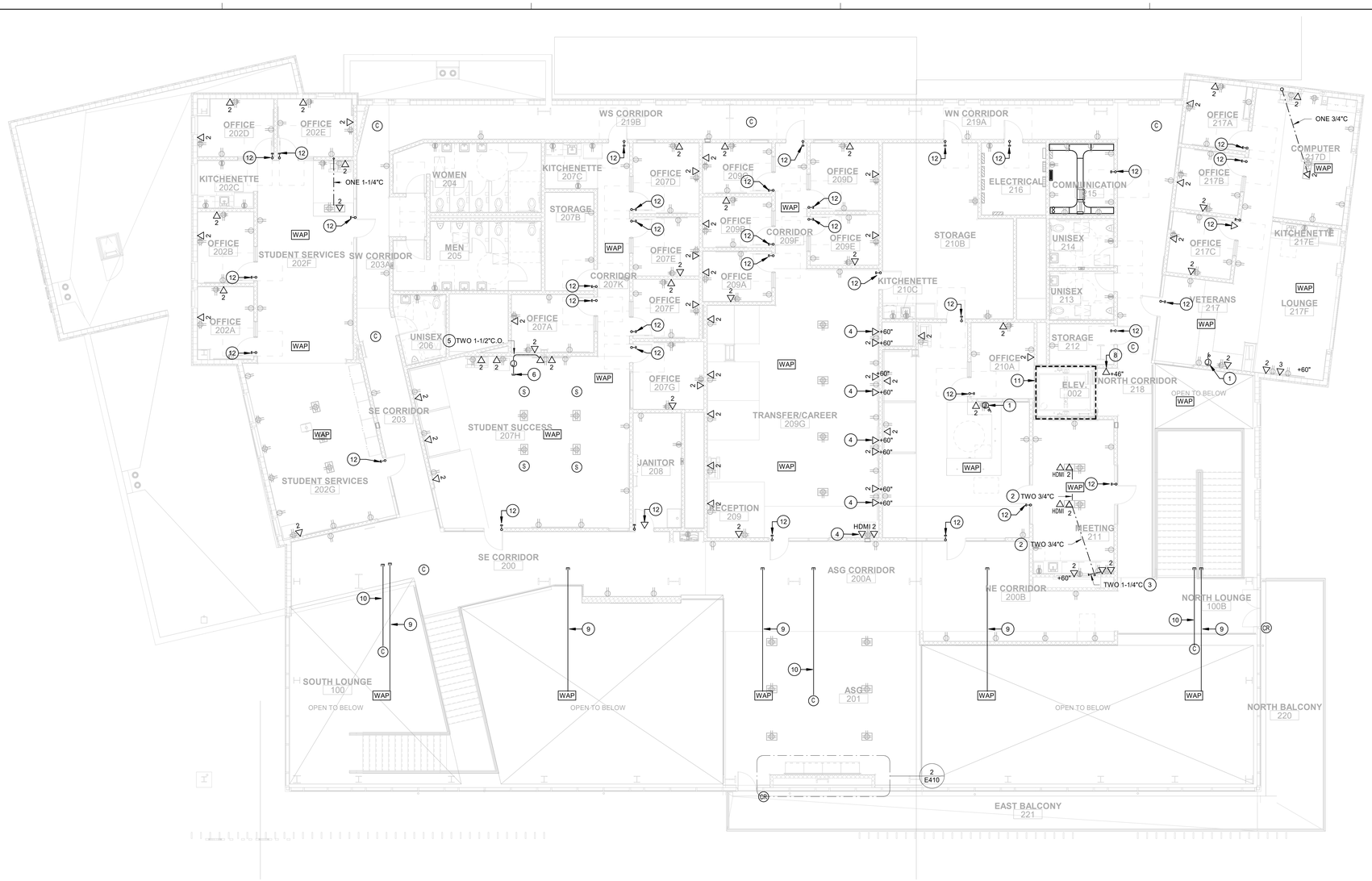
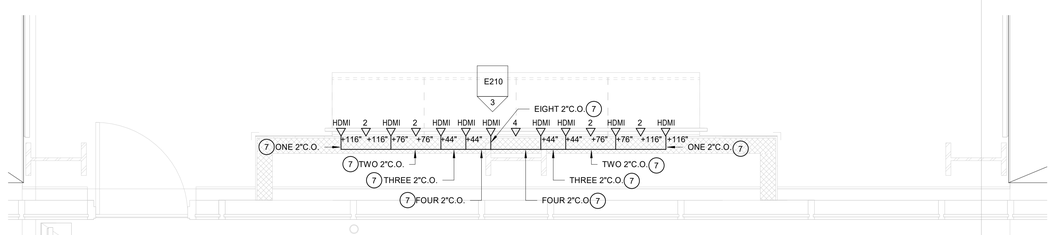


SIGNAL PLAN - SECOND FLOOR — 1/8" = 1'-0" — 1



SIGNAL PLAN - SECOND FLOOR — 1/2" = 1'-0" — 2

KEYNOTES

1. PROVIDE FOUR DATA CONNECTIONS FOR DATA DEVICES IN COUNTERTOP VIA COUNTERTOP FURNITURE PATHWAYS.
2. PROVIDE TWO 3/4"C FROM EQUIPMENT CABINET RACK INSIDE CABINET TO FLOOR BOXES.
3. PROVIDE TWO 1-1/4"C FROM EQUIPMENT CABINET RACK INSIDE CABINET TO AUDIO/VISUAL EQUIPMENT UNDER TV AND HDMI FOR MONITOR.
4. PROVIDE ONE 2"C.O. CONDUIT STUB FROM DATA OUTLET BOX TO CEILING TO FACILITATE PATHWAY TO SMART CART.
5. PROVIDE TWO 1-1/2"C.O. FROM SMART CART TO DATA OUTLET BOX BEHIND MONITOR AND AUDIO/VISUAL EQUIPMENT UNDER MONITOR.
6. PROVIDE ONE 1-1/2"C.O. STUB TO ATTIC SPACE TO FACILITATE PATHWAY FOR CEILING MOUNTED SPEAKERS.
7. PROVIDE ONE 2"C.O. FROM MEDIA EQUIPMENT IN CABINET TO EACH HDMI DATA OUTLET BEHIND EACH MONITOR AND FOUR ABOVE THE CABINET (TOTAL EIGHT 2"C.O.). REFER TO 3/E210.
8. PROVIDE TWO-WAY COMMUNICATIONS SYSTEM AT ELEVATOR LANDING PER CBC 1009.8. COMMUNICATIONS SYSTEM SHALL PROVIDE TWO-WAY COMMUNICATION TO THE ELEVATOR COMMUNICATION SUPERVISING STATION AND SHALL HAVE AUDIBLE AND VISIBLE SIGNALS. PROVIDE SIGNAGE INDICATING THE DIRECTIONS FOR USE ADJACENT TO THE TWO-WAY COMMUNICATIONS SYSTEM IN ACCORDANCE WITH CBC 11B-703.5. SYSTEM SHALL BE COMPATIBLE WITH THE TK ELEVATOR EMERGENCY COMMUNICATION SYSTEM. PROVIDE CABLING TO ELEVATOR COMMUNICATIONS ENCLOSURE IN THE ELEVATOR EQUIPMENT ROOM AS REQUIRED BY MANUFACTURER.
9. PROVIDE ONE 1"C TO ACCESSIBLE CEILING SPACE TO FACILITATE CONNECTION TO WIRELESS ACCESS POINT 'WAP.'
10. PROVIDE ONE 1"C.O. TO ACCESSIBLE CEILING SPACE TO FACILITATE CONDUIT ROUGH-IN FOR CAMERA.
11. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
12. PROVIDE ONE 1/2"C FROM CEILING TO DOOR HEADER AT HINGE SIDE OF DOOR PER DETAIL 30/E603.

TELECOMMUNICATION PATHWAY NOTES

A. CONDUIT AND CABLES FOR TELECOMMUNICATION OUTLETS SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILINGS.

B. TELECOMMUNICATION OUTLET BOXES SHALL BE 5" SQUARE BY 2-7/8" DEEP WITH A SINGLE-GANG BOX EXTENSION THAT IS MOUNTED FLUSH WITH THE FINISHED WALL.

C. PROVIDE ONE 1"C STUBBED FROM EACH TELECOMMUNICATION OUTLET BOX INTO THE ACCESSIBLE ATTIC SPACE TO FACILITATE TELECOMMUNICATION CABLE INSTALLATION.

D. PROVIDE THREADED SET SCREW CONNECTORS WITH POLYPROPYLENE BUSHINGS AT EACH END OF CONDUIT SYSTEMS USED FOR TELECOMMUNICATION CABLE INSTALLATION. BUSHINGS SHALL BE INSTALLED AND INSPECTED PRIOR TO CABLE INSTALLATION.

E. CABLE TRAYS SHALL COMPLY WITH NEMA VE 1 STANDARDS AND SHALL BE INSTALLED IN ACCORDANCE WITH NEMA VE 2 INSTALLATION GUIDELINES.

F. THROUGH WALL CONDUIT SLEEVES FOR LOW VOLTAGE CABLING SHALL BE CONCEALED ABOVE CEILINGS.

G. PROVIDE FIRE STOPPING AT RATED WALL PENETRATIONS PER DRAWING E601 DETAILS 25, 28, AND 30.

H. REFER TO DRAWINGS E420 FOR ADDITIONAL TELECOMMUNICATION EQUIPMENT AND PATHWAYS IN COMMUNICATIONS ROOM.

TELECOMMUNICATION CABLING NOTES

A. EACH TELECOMMUNICATION CABLE SHALL BE HOMERUN FROM THE TELECOMMUNICATION OUTLET TO A PATCH PANEL LOCATED IN THE TELECOMMUNICATION ROOM.

B. TELECOMMUNICATION CABLES SHALL BE NEATLY BUNDLED WITH VELCRO STRAPS AT 36"O.C.

C. TELECOMMUNICATION CABLES SHALL BE INDEPENDENTLY SUPPORTED FROM J-HOOKS WITHIN THE ACCESSIBLE ATTIC SPACE WHERE THEY ARE NOT WITHIN CONDUIT OR SUPPORTED ON CABLE TRAY.

D. TELECOMMUNICATION CABLES SHALL BE TERMINATED WITH MODULAR JACKS ON PATCH PANELS IN THE TELECOMMUNICATION ENCLOSURE AND ON MODULAR JACKS AT THE TELECOMMUNICATION OUTLETS.

E. TELECOMMUNICATION CABLE SERVING WIRELESS ACCESS POINTS SHALL BE TERMINATED WITH PLUG TYPE CONNECTORS AT THE LOCATION OF THE WIRELESS ACCESS POINT.

SECURITY AND ACCESS ROUGH-IN NOTES

A. SECURITY AND ACCESS SYSTEM ROUGH-IN REQUIREMENTS:

a. AT DOOR CONTACT LOCATIONS - DRILL 1/2" HOLE IN STRIKE SIDE OF DOOR FRAME AND THROUGH HEADER, INSTALL A PULL WIRE BETWEEN OPENING IN DOOR FRAME AND ACCESSIBLE ATTIC.

b. AT MOTION DETECTOR LOCATIONS - INSTALL A SINGLE-GANG OUTLET BOX WITH A SINGLE-GANG TRIM-RING IN WALL AT 84" A.F.F., INSTALL ONE 1/2"C INTO ACCESSIBLE ATTIC SPACE, INSTALL A PULL WIRE BETWEEN OUTLET BOX AND ACCESSIBLE ATTIC.

c. AT KEYPAD LOCATIONS - INSTALL A SINGLE-GANG OUTLET BOX WITH A SINGLE-GANG TRIM-RING IN WALL AT 48" A.F.F. TO TOP OF BOX. INSTALL ONE 3/4"C INTO ACCESSIBLE ATTIC SPACE, INSTALL A PULL WIRE BETWEEN OUTLET BOX AND ACCESSIBLE ATTIC.

d. AT CARD READER LOCATIONS - INSTALL A SINGLE-GANG OUTLET BOX WITH A SINGLE-GANG TRIM-RING IN WALL AT 48" A.F.F. TO TOP OF BOX. INSTALL ONE 3/4"C INTO ACCESSIBLE ATTIC SPACE, INSTALL A PULL WIRE BETWEEN OUTLET BOX AND ACCESSIBLE ATTIC.

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STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SIGNAL PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
E410

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PLOT DATE: 8/13/2026 11:07:19 AM

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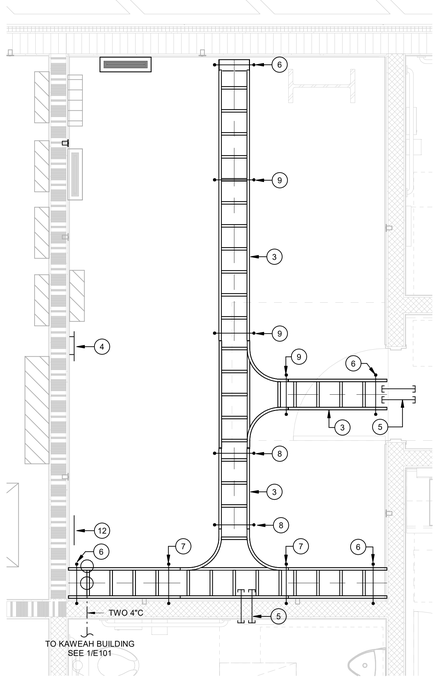
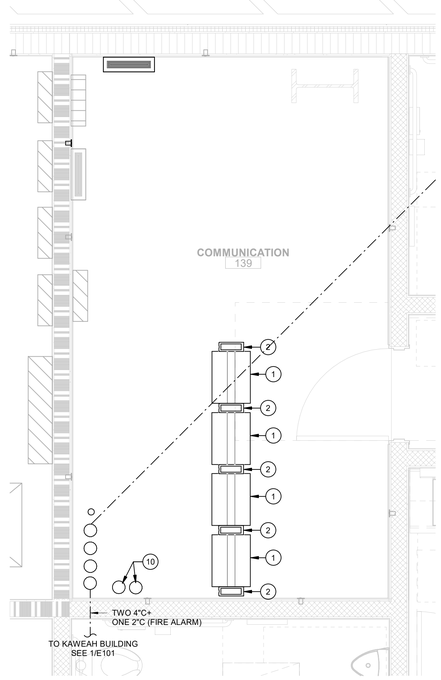


NORTH

ENLARGED SIGNAL PLAN - COMMUNICATIONS ROOM 139- CABLE TRAY 1/2" = 1'-0" 2

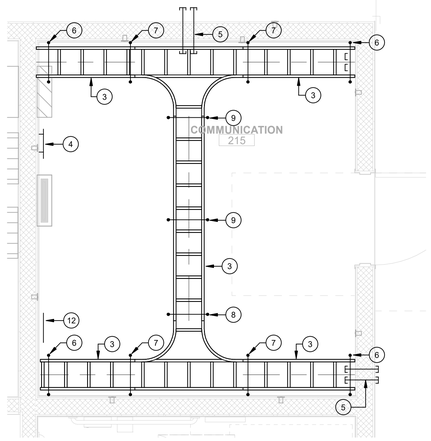


NORTH

ENLARGED SIGNAL PLAN - COMMUNICATIONS ROOM 139 - 2-POST RACKS 1/2" = 1'-0" 1

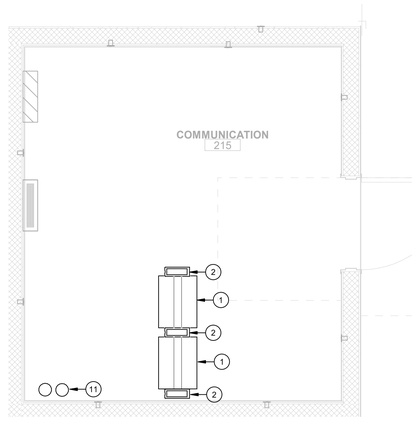
KEYNOTES

1. PROVIDE AND INSTALL 7'-6" TALL, 19" EIA STANDARD TWO-POST RACKS, BLACK IN COLOR: CHATSWORTH PRODUCTS, INC., MODEL 46353-705. REFER TO DETAIL 1/E603.
2. PROVIDE AND INSTALL 6" CHATSWORTH #40098-703 VERTICAL MOUNT CABLE MANAGEMENT 48 RU (ONE ON EACH SIDE AND BETWEEN EACH TWO-POST RACK).
3. PROVIDE STRAIGHT SECTION OF 12" WIDE LADDER TYPE CABLE RUNWAY MOUNTED AT 8'-0" A.F.F.
4. PROVIDE TELECOMUNICATION MAIN GROUNDING BUS (TMGB) AND GROUNDING AND BONDING FOR TELECOMMUNICATION RACKS AND PATHWAYS. PROVIDE #3/0 BARE COPPER BONDING JUMPER BETWEEN TMGB AND SWITCHBOARD 'DPH' GROUND BUS AND BETWEEN TMGB AND TGB LOCATED IN SECOND FLOOR DATA ROOM ABOVE.
5. PROVIDE TWO 4"C EMT SLEEVES WITH POLYETHYLENE BUSHINGS THROUGH WALL, AT 10'-2" A.F.F. TO BOTTOM OF SLEEVE, INTO SPACE ABOVE CEILING IN ADJACENT ROOM.
6. PROVIDE END MOUNTING BRACKET CABLE RUNWAY SUPPORT, TYPICAL AT EACH END. REFER TO DETAIL 9/E603.
7. PROVIDE SIDE MOUNTING BRACKET CABLE RUNWAY SUPPORT, TYPICAL AT EACH END. REFER TO DETAIL 9/E603.
8. PROVIDE RACK MOUNTING BRACKET CABLE RUNWAY SUPPORT, REFER TO DETAIL 9/E603.
9. PROVIDE TRAPEZE STYLE CABLE RUNWAY SUPPORT WITH LONGITUDINAL/TRANSVERSE BRACING, REFER TO DETAIL 10/E603 AND/OR DETAIL 13/E603.
10. PROVIDE TWO 4"C UP THROUGH CEILING AND SECOND FLOOR DECK TO SECOND FLOOR TO COMMUNICATIONS ROOM 215 ABOVE.
11. PROVIDE TWO 4"C UP THROUGH CEILING AND SECOND FLOOR DECK TO FIRST FLOOR TO COMMUNICATIONS ROOM 139 BELOW.
12. PROVIDE FIBER OPTIC CABLE SERVICE LOOP SECURED WITH STORAGE RING.



NORTH

ENLARGED SIGNAL PLAN - COMMUNICATIONS ROOM 215 - CABLE TRAY 1/2" = 1'-0" 3



NORTH

ENLARGED SIGNAL PLAN - COMMUNICATIONS ROOM 215 - 2-POST RACKS 1/2" = 1'-0" 4

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A	08/14/26	DSA BACKCHECK

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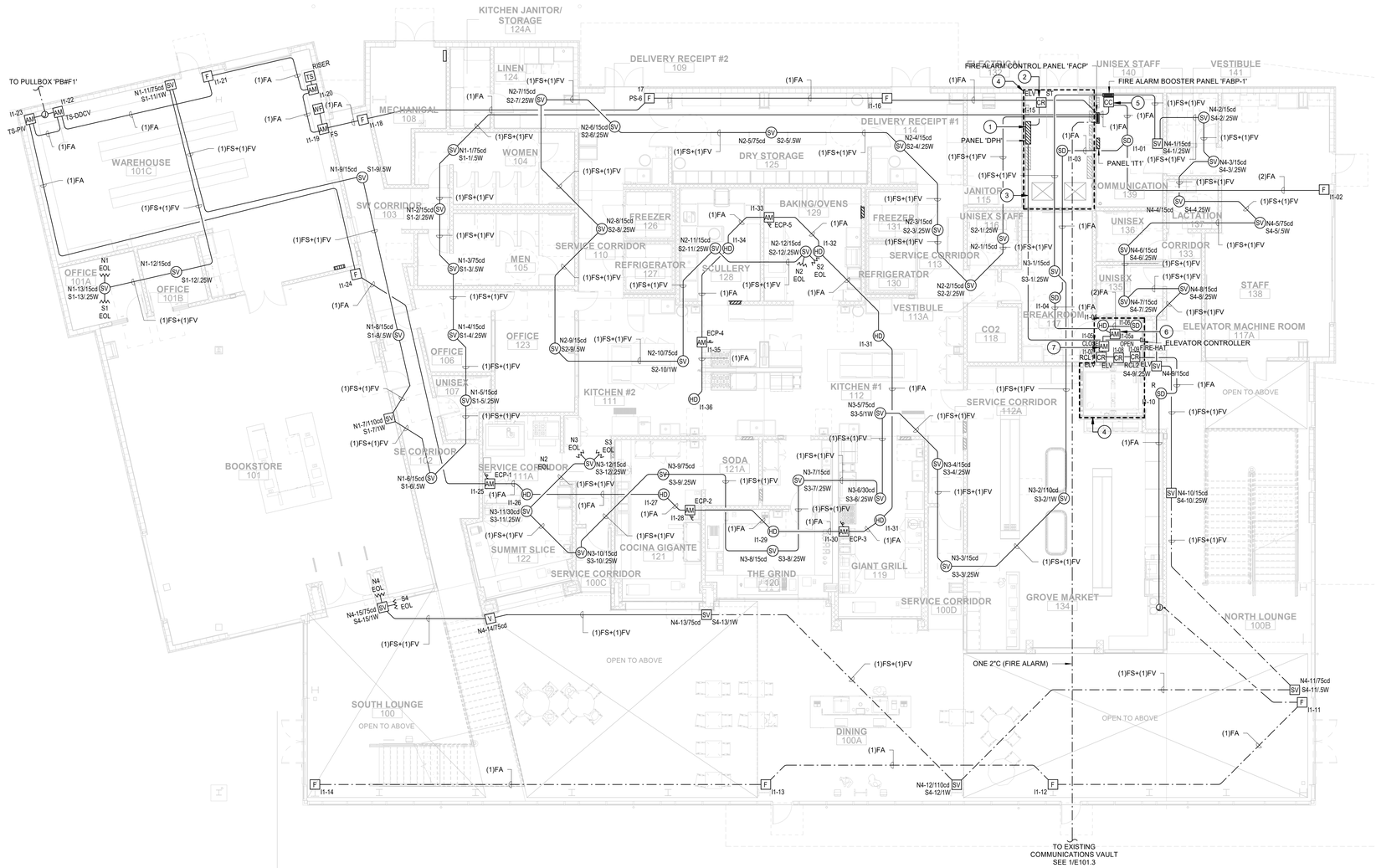
STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SIGNAL PLAN - ENLARGED COMMUNICATIONS ROOMS

PROJECT NO.
23-12499

DRAWING
E420

PLOT DATE: 8/13/2026 11:07:24 AM



KEYNOTES

1. PROVIDE CONNECTIONS TO ELEVATOR SHUN-TRIP AND AUXILIARY CONTACT ACCESSORIES AT CIRCUIT BREAKER DPH-7.
2. PROVIDE ONE 3/4"C WITH 2#12 CU AND 1#12 CUGND. PROVIDE CONNECTION FROM ELEVATOR FIRE ALARM CONTROL RELAY TO SHUNT-TRIP ACESSORY OF CIRCUIT BREAKER DPH-7.
3. PROVIDE 3/4"C WITH 2#16 CU THWN. PROVVIDE CONNECTIN FROM AUXILLIARY CONTACTS FROM SHUNT-TRIP CIRCUIT BREAKER DPH-7 TO ELEVATOR MACHINE ROOM CONTROLLER.
4. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
5. INTEGRAL ADDRESSIBLE CONTROL RELAY IN FIRE ALARM BOOSTER PANEL 'FABP-1'.
6. PROVIDE ADDRESSIBLE SUPERVISED MONITORING MODULE FOR MONITORING OF MANUAL OVERRIDE CONTROL PANEL FOR THE "OPEN" POSITION.
7. PROVIDE ADDRESSIBLE SUPERVISED MONITORING MODULE FOR MONITORING OF MANUAL OVERRIDE CONTROL PANEL FOR THE "CLOSED" POSITION.

FIRE ALARM SYSTEM INSTALLATION NOTES

A. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL PULL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY, AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.

B. ALL DRAWINGS ARE DIAGRAMMATIC ONLY, AND SHALL NOT BE USED IN DETERMINING ACTUAL CONDUIT ROUTING. THE CONTRACTOR SHALL VERIFY ALL CONDUIT ROUTING CONDITIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.

C. ALL FIRE ALARM DATA, COMMUNICATIONS AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS WITH OUTER COVERING COLORS PER THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS. ALL SMOKE DAMPER AND REMOTE TROUBLE INDICATOR CIRCUITS SHALL BE YELLOW. ALL CIRCUITS SHALL BE INDIVIDUALLY LABELED, BOTH AT THE DEVICE END AND AT THE SIGNAL TERMINAL CABINET AND/OR FIRE ALARM MASTER PANEL TERMINATION POINT.

D. ALL FIRE ALARM CIRCUITS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS. 'T' TAPPING IS ALLOWED ONLY IN INITIATION LOOPS CONNECTING ADDRESSABLE DEVICES AND ONLY UNDER THESE CONDITIONS. UNDER NO CIRCUMSTANCES SHALL 'T' TAPPING BE PERMITTED BETWEEN CONVENTIONAL DEVICES.

E. SMOKE DETECTORS SHALL BE INSTALLED AWAY FROM AIR SUPPLY GRILLES AT A MINIMUM DISTANCE OF 3' PER NFPA 72 29.8.3.4 OR GREATER AS RECOMMENDED BY THE MANUFACTURER.

F. CONTRACTOR SHALL SYNCHRONIZE TWO OR MORE STROBES IN ONE ROOM AND TWO OR MORE SPEAKERS WITHIN HEARING OF EACH OTHER.

G. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2022 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE 2022 CALIFORNIA FIRE CODE (CFC) § 105.7 & § 907, AND CALIFORNIA BUILDING CODE (CBC) 907.

H. PROVIDE FIRE STOPPING AT RATED WALL PENTRATIONS PER DRAWING E601 DETAILS 28 AND 30.

NORTH

FIRE ALARM PLAN - FIRST FLOOR

1/8" = 1'-0"

1

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STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
FIRE ALARM PLAN - FIRST FLOOR

PROJECT NO.
23-12499

DRAWING
E500

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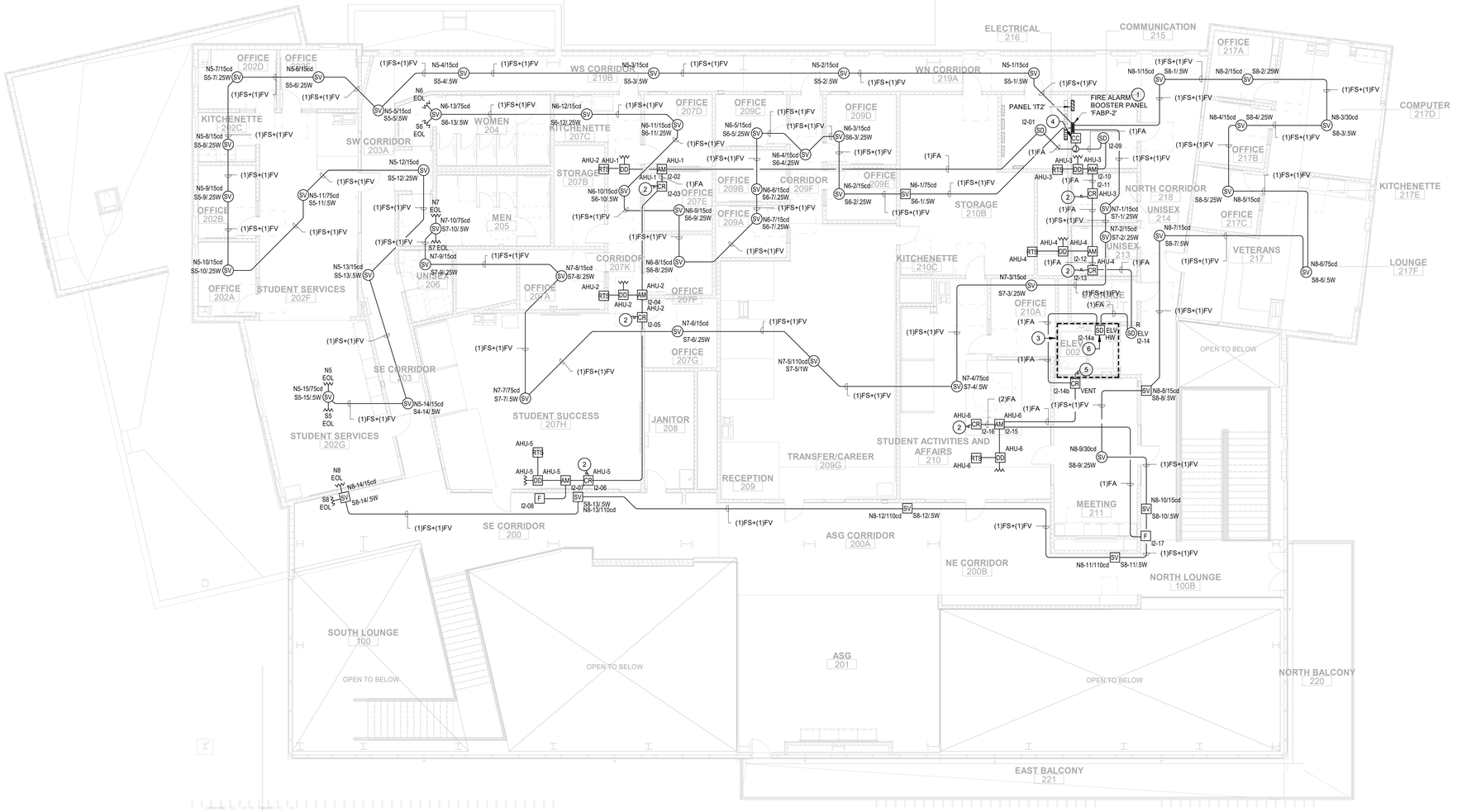

KEYNOTES

1. PROVIDE FIRE ALARM BOOSTER PANEL 'FABP-2' AND MOUNT TO WALL AT +72"AFF MAXIMUM TO TOP OF PANEL.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE WIRING AND PROGRAMMING FOR AIR HANDLING UNIT SHUT OFF THROUGH FIRE ALARM CONTROL RELAY PER DETAIL 5/E710.
3. RATED WALL ASSEMBLY, TYPICAL. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY RATINGS AND PROVIDE FIRE STOPPING FOR PENETRATIONS PER FIRE STOPPING DETAILS.
4. INTEGRAL ADDRESSIBLE CONTROL RELAY IN FIRE ALARM BOOSTER PANEL 'FABP-2'.
5. PROVIDE WIRING AND PROGRAMMING FOR OPENING OF AUTOMATIC SMOKE VENT VIA THERMOLATCH MECHANISM ON ROOF THROUGH FIRE ALARM CONTROL RELAY PER DETAIL 3/E710.
6. PROVIDE FIRE ALARM SMOKE DETECTOR IN ELEVATOR HOISTWAY. MOUNT FIRE ALARM SMOKE DETECTOR ON ACCESS HATCH PER ARCHITURAL DETAIL 21/A853.

FIRE ALARM SYSTEM INSTALLATION NOTES

A. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL PULL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY, AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.

B. ALL DRAWINGS ARE DIAGRAMMATIC ONLY, AND SHALL NOT BE USED IN DETERMINING ACTUAL CONDUIT ROUTING. THE CONTRACTOR SHALL VERIFY ALL CONDUIT ROUTING CONDITIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.

C. ALL FIRE ALARM DATA, COMMUNICATIONS AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS WITH OUTER COVERING COLORS PER THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS. ALL SMOKE DAMPER AND REMOTE TROUBLE INDICATOR CIRCUITS SHALL BE YELLOW. ALL CIRCUITS SHALL BE INDIVIDUALLY LABELED, BOTH AT THE DEVICE END AND AT THE SIGNAL TERMINAL CABINET AND/OR FIRE ALARM MASTER PANEL TERMINATION POINT.

D. ALL FIRE ALARM CIRCUITS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS. "T" TAPPING IS ALLOWED ONLY IN INITIATION LOOPS CONNECTING ADDRESSABLE DEVICES AND ONLY UNDER THESE CONDITIONS. UNDER NO CIRCUMSTANCES SHALL "T" TAPPING BE PERMITTED BETWEEN CONVENTIONAL DEVICES.

E. SMOKE DETECTORS SHALL BE INSTALLED AWAY FROM AIR SUPPLY GRILLES AT A MINIMUM DISTANCE OF 3' PER NFPA 72 29.8.3.4 OR GREATER AS RECOMMENDED BY THE MANUFACTURER.

F. CONTRACTOR SHALL SYNCHRONIZE TWO OR MORE STROBES IN ONE ROOM AND TWO OR MORE SPEAKERS WITHIN HEARING OF EACH OTHER.

G. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2022 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE 2022 CALIFORNIA FIRE CODE (CFC) § 105.7 & § 907, AND CALIFORNIA BUILDING CODE (CBC) 907.

H. PROVIDE FIRE STOPPING AT RATED WALL PENTRATIONS PER DRAWING E601 DETAILS 28 AND 30.

NORTH

FIRE ALARM PLAN - SECOND FLOOR

1/8" = 1'-0"

1

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DRAWING TITLE
FIRE ALARM PLAN - SECOND FLOOR

PROJECT NO.
23-12499

DRAWING
E510

PLOT DATE: 8/13/2026 11:07:34 AM

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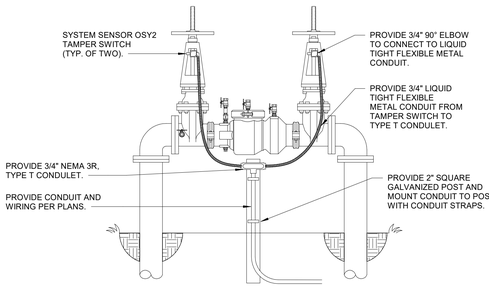
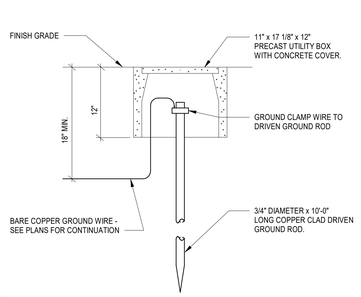


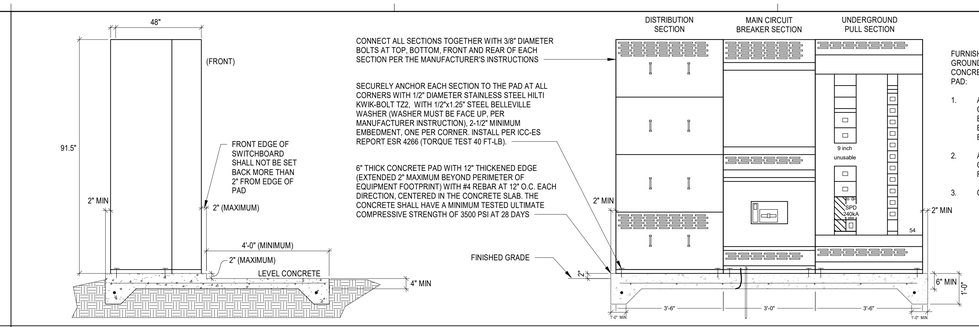
TAMPER SWITCHES AT DDCV

N.T.S. | 21



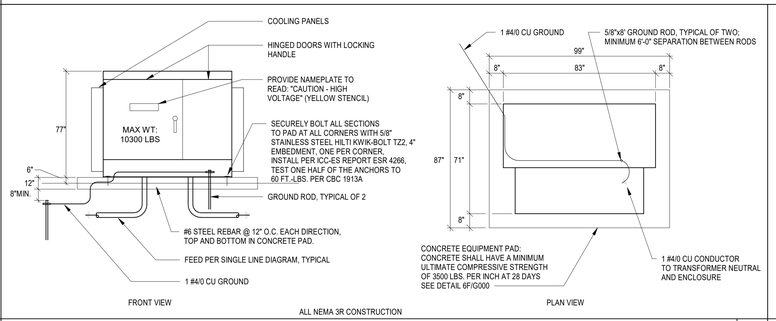
GROUND WELL

N.T.S. | 16



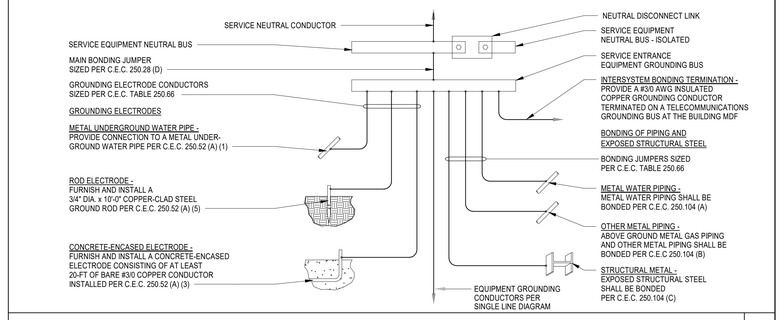
MAIN SWITCHBOARD 'MSB' ELEVATION

N.T.S. | 1



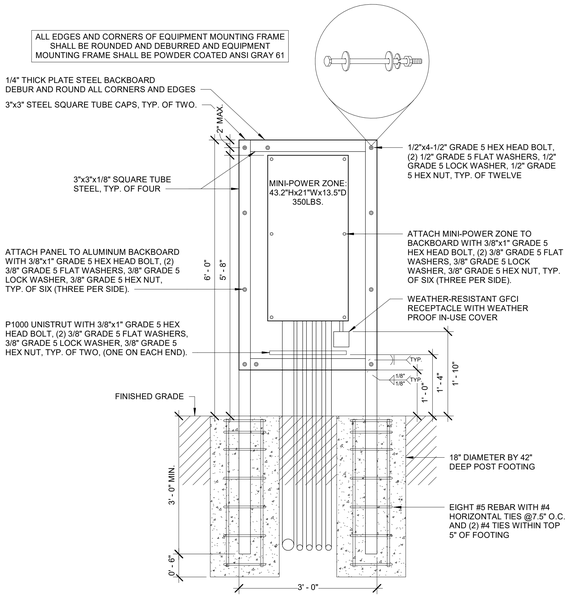
PAD MOUNTED TRANSFORMER - MEDIUM VOLTAGE 'TMV1'

N.T.S. | 7



GROUNDING ELECTRODE SYSTEM AT MAIN SWITCHBOARD 'MSB'

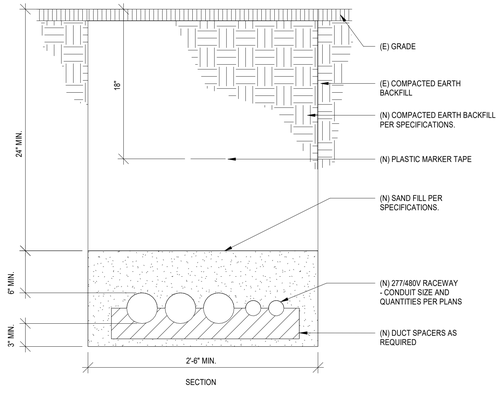
1" = 1'-0" | 3



MINI POWER ZONE 'MPZ' MOUNTING

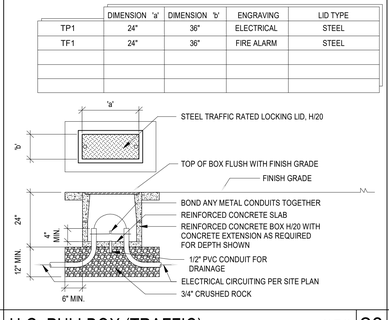
N.T.S. | 25

NOTE:
CLEARANCES, SEPARATIONS, AND TRENCHING
REQUIREMENTS PER SPECIFICATIONS.



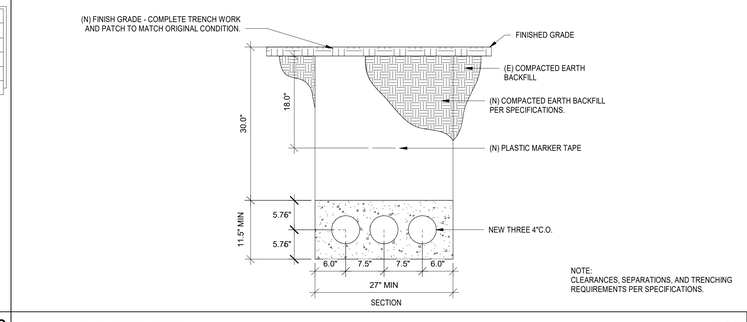
TYPICAL TRENCH SECTION

N.T.S. | 6



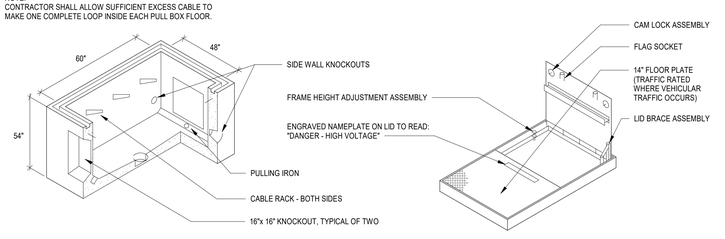
U.G. PULLBOX (TRAFFIC)

N.T.S. | 20



MEDIUM VOLTAGE DUCT BANK

N.T.S. | 10

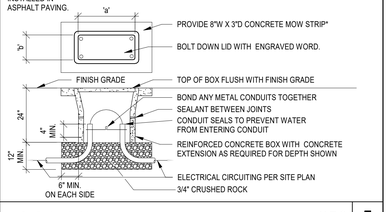


UNDERGROUND PULLBOX - MEDIUM VOLTAGE

N.T.S. | 4

*NOTE:
WHERE PULLBOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. CONCRETE MOW STRIP IS NOT REQUIRED ON PULLBOXES INSTALLED IN ASPHALT PAVING.

	DIMENSION 'a'	DIMENSION 'b'	ENGRAVING	LID TYPE
P1	10"	17"	ELECTRICAL	CONCRETE
P2	24"	36"	ELECTRICAL	CONCRETE
S1	10"	17"	COMMUNICATIONS	CONCRETE
S2	30"	48"	COMMUNICATIONS	CONCRETE
L1	10"	17"	LIGHTING	CONCRETE



U.G. PULLBOX

N.T.S. | 5

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
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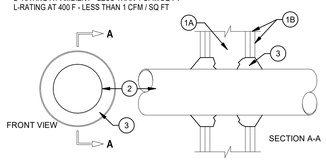
DRAWING TITLE
ELECTRICAL DETAILS - SITE

PROJECT NO.
23-12499

DRAWING
E600

\\tetr-file1\Users\gene.vea_TETR\Documents\12499-E-COS Student Union_gene.vea.rvt
M:\ 40" 1/2"
PLOT DATE: 8/13/2026 11:07:39 AM

UL SYSTEM NO. W-L-1001
JUNE 15, 2005
F-RATINGS - 1, 2, 3, AND 4 HR (SEE ITEMS 2 AND 3)
T-RATING - 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)
L- RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT
L-RATING AT 400 F - LESS THAN 1 CFM / SQ FT



1. WALL ASSEMBLY - THE 1, 2, 3, OR 4 HR FIRE-RATED GYP. WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS & IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL & PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY & SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   - A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16" OC. WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24" OC.
   - B. WALLBOARD, GYPSUM* - NOM 1/2 OR 5/8 IN. THK. 4 FT WIDE WITH SQUARES OR TAPERED EDGES. THE GYP. WALLBOARD TYPE, THICKNESS, NO. OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY MAX. DIAM OF OPENING IS 26 IN.
2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO MAX. 2 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   - A. STEEL PIPE - NOM. 24 IN. DIAM. (OR SMALLER) SCH. 10 (OR HEAVIER) STEEL PIPE.
   - B. IRON PIPE - NOM. 24 IN. DIAM. (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM. 12 IN. DIAM. (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
   - C. CONDUIT - NOM. 6 IN. DIAM. (OR SMALLER) STEEL CONDUIT OR NOM. 4 IN. DIAM. (OR SMALLER) STEEL EMT.
   - D. COPPER TUBING - NOM. 6 IN. DIAM. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   - E. COPPER PIPE - NOM. 6 IN. DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   - F. THROUGH-PENETRATING PRODUCT* - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
     - F.1. NOM. 2 IN. DIAM. (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC.
     - F.2. NOM. 1 IN. DIAM. (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. TITEFLEX CORP. A BUNDY CO.
     - F.3. NOM. 1 IN. DIAM. (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG. INC.
3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN. 5/8, 1-1/4, 1-7/8, AND 2-1/2 IN THICKNESS OF CAULK FOR 1, 2, 3, AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITH ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. DIAM. BEAD OF CAULK APPLIED TO GYP. BOARD/ PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRE STOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

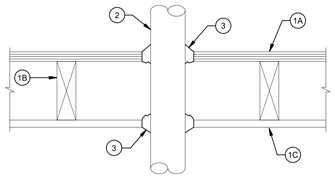
MAXIMUM PIPE OR CONDUIT DIAM IN.	F RATING HR	T RATING HR
1	1 OR 2	0+, 1, OR 2
1	3 OR 4	3 OR 4
4	1 OR 2	0
6	3 OR 4	0
12	1 OR 2	0

+WHEN COPPER PIPING IS USED, T RATING IS 0 HR.
3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.

*BEARING THE UL CLASSIFICATION MARKING

METALLIC CONDUIT PENETRATION
THROUGH 1,2,3, & 4-HR RATED WALLS N.T.S. 28

UL SYSTEM NO. F-C-1002
SEPTEMBER 03, 2004
(FORMALLY SYSTEM NO. 169)
F-RATINGS - 1 AND 2 HR (SEE ITEM 1)
T-RATING - 1 HR



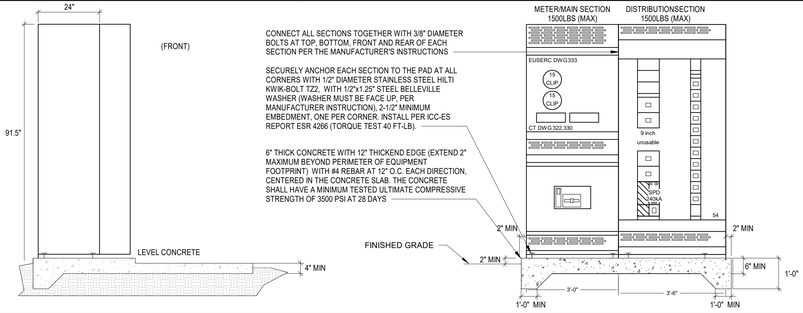
1. FLOOR-CEILING ASSEMBLY - THE 1 OR 2 HR FIRE-RATED WOOD JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS & IN THE MANNER SPECIFIED IN THE UL FIRE RESISTANCE DIRECTORY. THE 1 HR FIRE RATED ASSEMBLY SHALL BE CONSTRUCTED AS SPECIFIED IN DESIGN NO. L505, L511, OR L536. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE FLOOR-CEILING ASSEMBLY. THE GENERAL CONSTRUCTION DETAILS OF THE FLOOR-CEILING ASSEMBLY ARE SUMMARIZED BELOW:
   - A. FLOORING SYSTEM - LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OF LUMBER, PLYWOOD, OR FLOOR TOPPING MIXTURE* AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAXIUM DIAM. OF OPENING IS 1 IN. LARGER THAN OUTSIDE DIAM. OF PENETRANT.
   - B. WOOD JOISTS - NOM 2 x 10 IN. LUMBER JOISTS SPACED 16 IN. O.C. WITH NOM 1 X 3 IN. LUMBER BRIDGING AND WITH ENDS FIRESTOPPED.
   - C. FURRING CHANNELS (NOT SHOWN) - RESILIENT GALVANIZED STEEL FURRING CHANNELS INSTALLED PERPENDICULAR TO WOOD JOISTS BETWEEN FIRST AND SECOND LAYERS OF WALLBOARD (ITEM 1D) IN 2 HR. FIRE RATED ASSEMBLY. FURRING CHANNELS SPACED MAXIMUM 24 IN. O.C.
   - D. GYPSUM BOARD* - NOM 4 FT. WIDE x 5/8 IN. THICK AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. FIRST LAYER OF WALLBOARD NAILED TO WOOD JOISTS. SECOND LAYER OF WALLBOARD (2 HR. FIRE RATED ASSEMBLY ONLY) SCREW-ATTACHED TO FURRING CHANNELS. MAXIMUM DIAM. OF OPENING IS 1 IN. LARGER THAN OUTSIDE DIAM. OF PENETRANT.

1.1 CHASE WALL (OPTIONAL, NOT SHOWN) - THE THROUGH PENETRANTS (ITEM NO. 2) MAY BE ROUTED THROUGH A FIRE-RATED SINGLE, DOUBLE, OR STAGGERED WOOD STUD/GYPSUM WALLBOARD CHASE WALL HAVING A FIRE RATING CONSISTANT WITH THAT OF THE FLOOR-CEILING ASSEMBLY. THE CHASE WALL SHALL SHALL BE CONSTRUCTED OF THE MATERIALS & IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITIONS DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   - A. STUDS - NOM 2 X 6 IN. OR DOUBLE NOM 2 X 4 IN. LUMBER STUDS.
   - B. SOLE PLATE - NOM 2 X 6 IN. OR PARALLEL 2 X 4 IN. LUMBER PLATES, TIGHTLY BUTTED.
   - C. TOP PLATE - THE DOUBLE TOP PLATE SHALL CONSIST OF TWO NOM 2 X 6 IN. OR TWO SETS OF PARALLEL 2 X 4 IN. LUMBER PLATES, TIGHTLY BUTTED. MAXIMUM DIAM. OF OPENING IS 5 IN.
   - D. GYPSUM BOARD* THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS SHALL BE SPECIFIED IN INDIVIDUAL WALL AND PARTITION DESIGN.
2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO MAX. 1 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPE, CONDUIT OR TUBING MAY BE USED:
   - A. STEEL PIPE - NOM 10 IN. DIAM. (OR SMALLER) SCH. 40 (OR HEAVIER) STEEL PIPE.
   - B. IRON PIPE - NOM 10 IN. DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   - C. CONDUIT - NOM 6 IN. DIAM. (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
   - D. COPPER TUBING - NOM 4 IN. DIAM. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   - E. COPPER PIPE - NOM 4 IN. DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN. 3/4 IN. THICKNESS OF FILL MATERIAL, APPLIED WITH ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR SOLE PLATE. MINIMUM 5/8 IN. OR 1-1/4 IN. THICKNESS OF FILL MATERIAL, FOR 1 AND 2 HR. RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTTOM SURFACE OF CEILING OR TOP PLATE. IN ADDITION MINIMUM 1/4 IN. CROWN OF FILL MATERIAL APPLIED TO PERIMETER OF PENETRANT AT ITS EGRESS FROM THE TOP SURFACE OF FLOORING AND UNDERSIDE OF CEILING OR FROM TOP OF SOLE PLATE AND UNDERSIDE OF TOP PLATE.

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.

*BEARING THE UL CLASSIFICATION MARKING

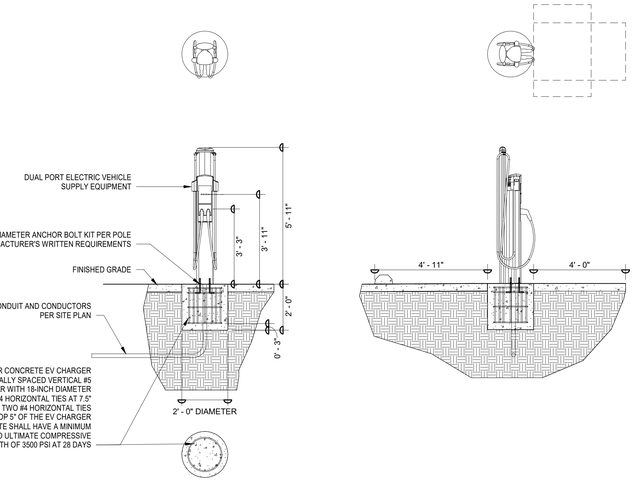
METALLIC CONDUIT PENETRATION
THROUGH 1-HR RATED FLOOR/CEILING N.T.S. 23



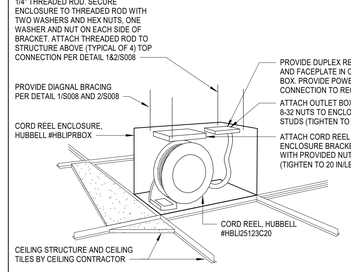
SWITCHBOARD 'EV' ELEVATION N.T.S. 6

FURNISH AND INSTALL ALL OF THE FOLLOWING GROUNDING ELECTRODES WITHIN THE CONCRETE PAD AT SWITCHBOARD 'DPH':

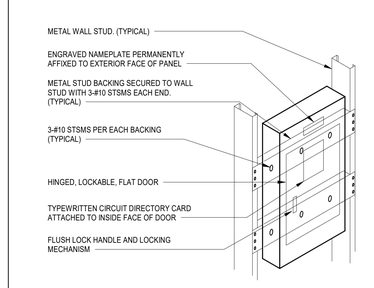
1. A CONCRETE-ENCASED ELECTRODE CONSISTING OF AT LEAST 20-FT OF BARE # 3/0 COPPER CONDUCTOR AND BONDED TO THE SERVICE ENTRANCE EQUIPMENT GROUNDING BUS.
2. A 3/4"-DIAMETER x 10-FT LENGTH, COPPER-CLAD STEEL GROUNDING ROD.
3. CONNECTION TO U.G. METAL WATER PIPE



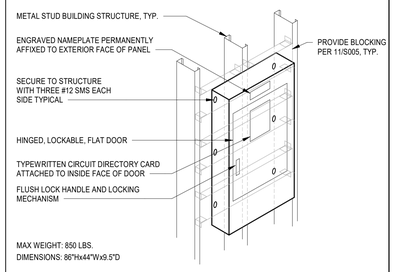
ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) MOUNTING - ACCESSIBLE PARKING N.T.S. 13



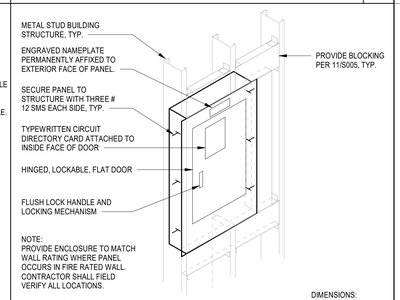
CORD REEL N.T.S. 7



SURFACE PANEL MOUNTING N.T.S. 8

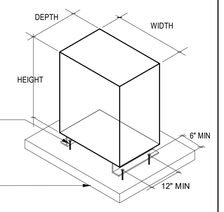


SURFACE MOUNTED PANEL N.T.S. 1

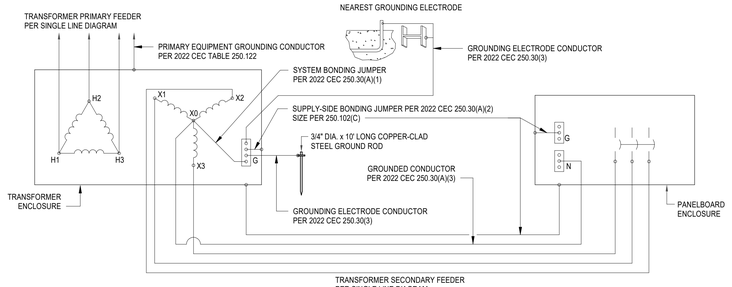


RECESSED MOUNTED PANEL N.T.S. 2

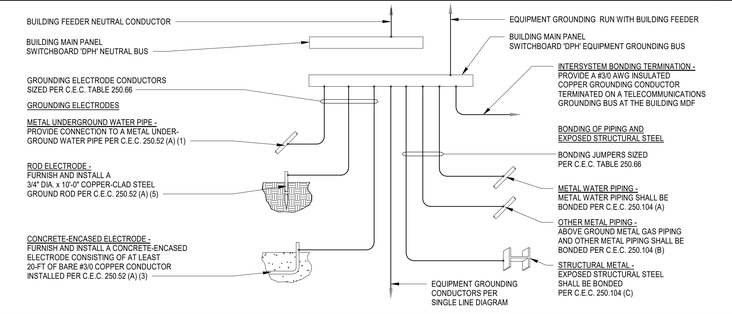
NOTE: REFER TO TRANSFORMER SCHEDULE ON DETAIL 3/E800 FOR WEIGHTS AND DIMENSIONS OF EACH TRANSFORMER



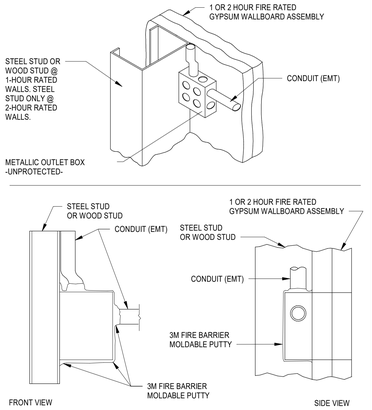
TRANSFORMER MOUNTING N.T.S. 3



TRANSFORMER GROUNDING & SUPPLY-SIDE BONDING JUMPER N.T.S. 4



REMOTE BUILDING GROUNDING ELECTRODE SYSTEM N.T.S. 5



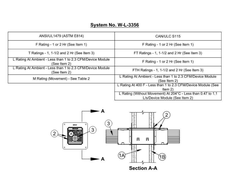
SYSTEM DETAILS

1. DRAWING NO.: 5300-IXG85.01. UL TEST REPORT NO. R9700.89NK19575
2. SYSTEM JUSTIFICATION: UL TEST REPORT R9700, 89NK19575 (11/9/89) AND R9700, 91NK21798 (10/10/91). TESTS CONDUCTED IN ACCORDANCE WITH THE STANDARD, FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS, ANSI/ UL 263 (ASTM E 119, NFPA 251).
3. ASSEMBLY: 1 OR 2 HR. FIRE RATED GYPSUM WALLBOARD/ STUD WALL. WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS - 1 HR. RATING OR STEEL CHANNEL STUDS - 2 HR. RATING.
4. RATINGS: 1 HR. OR 2 HR.
5. ITEM TO BE PROTECTED: METALLIC OUTLET BOX - UP TO 45. NOTE: THIS APPLICATION IS INTENDED TO PREVENT FLAME THROUGH AND SMOKE PROPAGATION BY SEALING "KNOCK-OUTS" AND OPENINGS IN THE BOX ASSEMBLY. IT ALSO INHIBITS HEAT TRANSFER TO THE NON-FIRESIDE SURFACE OF THE WALL.

APPLICATION DETAILS

1. APPLY A LAYER OF 3M FIRE BARRIER MOLDABLE PUTTY PAD TO THE METALLIC OUTLET BOX, COVERING ALL EXPOSED SURFACES. NOMINAL PUTTY THICKNESS IS 1/8 IN. (MPP1 = 4" X 8" X 1/8", MPP - AS = 6" X 7" X 1/8")
2. PRESS THE PUTTY INTO THE INTERFACE PERIMETER OF THE OUTLET BOX AND THE STUD AND ALSO THE INTERFACE OF THE OUTLET BOX AND THE GYPSUM WALL-BOARD.
3. SEAL ANY "KNOCK-OUT" HOLE CONTAINING WIRE OR CONDUIT WITH A GENEROUS

MEMBRANE SEAL FOR METALLIC
J-BOXES IN 1-HR RATED WALLS N.T.S. 30



1. **Wall Assembly** - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U305, V305, U405, V405 or W465 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
   A. **Studs** - Steel studs shall consist of either single or double row, formed steel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC.
   B. **Wallboard, Gypsum*** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Opening in wall to be 6 in. (152 mm) diam or max 4 ft in. (1219 mm) by 9.5ft in. (127 mm).
   The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.
2. **Through Penetrant** - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between the firestop device and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of the wall assembly. Firestop device shall be supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of bolt screws provided with device. Firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall. The "L" Rating of the firestop system is dependent on the annular space (distance between device module to blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated in Table 1 below:

Table 1

Device	Cable Type	L Rating (CFM)	
		Ambient	400°F
0%		Less Than 1 (0.47)	Less Than 1 (0.47)
1-25%	4/4-40	1.9 (0.71)	1.9 (0.71)
26-50%	4/4-40	2.3 (1.1)	2.3 (1.1)
51-75%	4/4-40	2.3 (1.1)	2.3 (1.1)
76-100%	4/4-40	2.3 (1.1)	2.3 (1.1)

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 4H-I Fire Rated Pathway

2A. **Firestop Device* - Extension Module** - (Optional, Not Shown) - Module attached to ends of firestop device (Item 2) to extend the length of the device. Extension module to be constructed of 0.016 in. (0.4 mm) thick galv steel, 1.5 in. (38 mm) deep by 102 mm) long galv steel tube with an interwoven metal lug. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module secured in place with 1/4-20 steel bolt screws provided with device. Firestop device and extension module to be installed with ends projecting an equal distance beyond each surface of the wall and secured to each device or extension module by means of steel set screws provided with plates. Firestop device and extension module to be installed with ends projecting an equal distance beyond each surface of the wall assembly.
SPECIFIED TECHNOLOGIES INC - EZ PATH Series 4H Extension
The M Rating for this firestop system is dependent on the variables as noted in Table 2 below:

Table 2

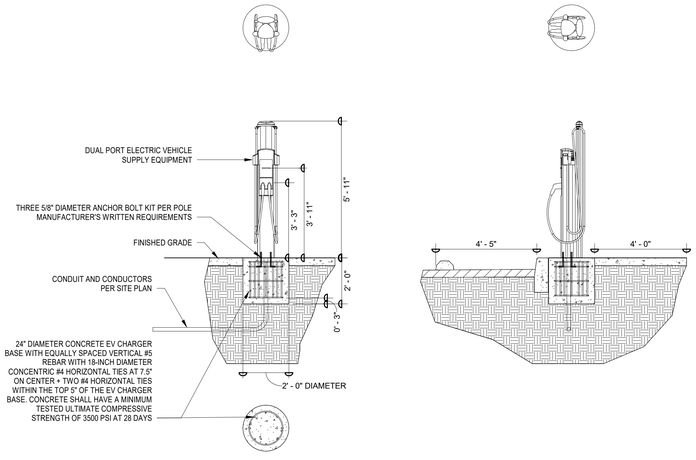
Movement Direction	Device Orientation	Device Size	Movement
1	Horizontal (Floor)	4 by 4 (102 by 102 mm)	100%
2	Horizontal (Floor) with Max 1 in. (25 mm) Annular Space	4 by 4 (102 by 102 mm)	50%

** Percentage movement based on the minimum distance between penetrant OD and device ID.

3. **Cables** - Max 4/4-40 AWG copper conductor cables with PVC or XLPE jacket and insulation. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
   A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation
   C. Max 1/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
   D. Max 3/C No. 20 AWG metal clad or armored cable with steel or aluminum jacket.
   E. Max 4/C No. 12 AWG copper conductor TECK cable with PVC jacket.
   F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum-rated jacketing and insulation.
   G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
   H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
   I. Max RG6/U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum-rated jacketing and insulation.
   The F and FH Ratings are 1 and 2 Hr for 1 and 2 Hr rated assemblies respectively. When the L rating at ambient, the F, FT and FTH Ratings are 1 and 1-1/2 Hr for 1 and 2 Hr rated assemblies respectively. When device is empty, the T, FT and FTH Ratings are 1 and 2 Hr for 1 and 2 Hr rated assemblies respectively.
   When the L rating at 400°F, the F, FT and FTH Ratings are 1 and 1-1/2 Hr for 1 and 2 Hr rated assemblies respectively.
   Flooring Per UL Listing Requirements

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada)**

METALLIC SLEEVE PENETRATION
THROUGH, 1,2,3 & 4-HR RATED WALLS N.T.S. 25



ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) MOUNTING - DUAL PORT N.T.S. 15

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL DETAILS - BUILDING

PROJECT NO.
23-12499

DRAWING
E601

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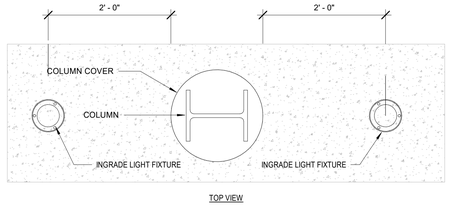
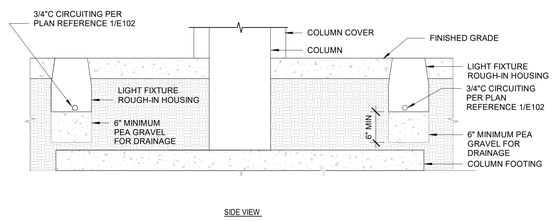
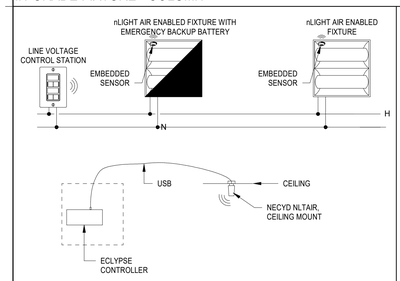


TOP VIEW



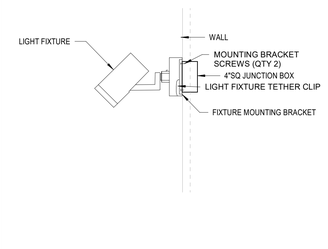
SIDE VIEW

IN-GRADE FIXTURE - COLUMN N.T.S. 22

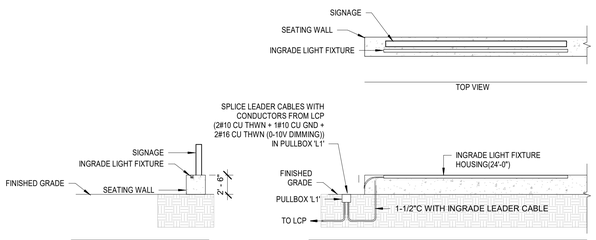


NOTE: MOUNT ANTENNA WITHIN 12 FT. OF ECLYPSE CONTROLLER

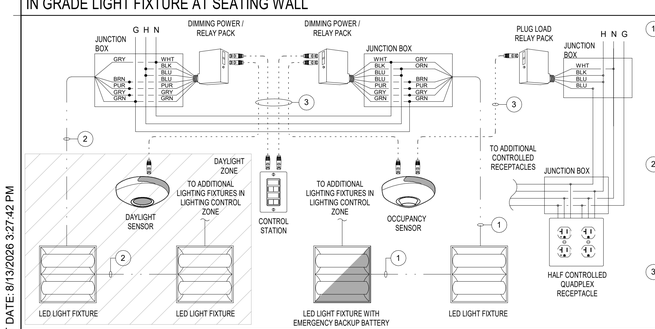
LIGHTING CONTROLS - nLIGHT AIR 1" = 1'-0" 28



WALL MOUNTED LIGHT FIXTURE TYPE T1 N.T.S. 23

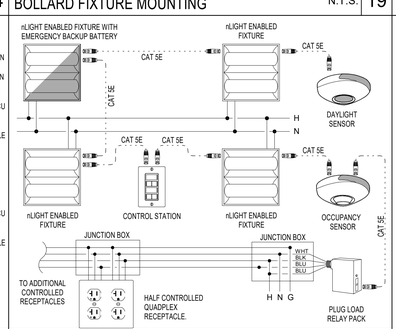


IN GRADE LIGHT FIXTURE AT SEATING WALL N.T.S. 24

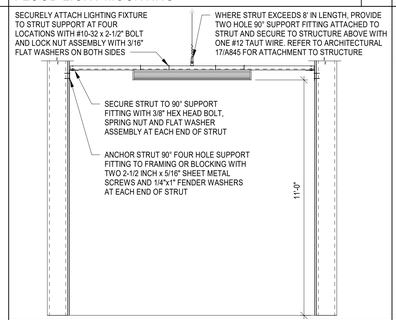


1. TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
   1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
   2. UNSWITCHED HOT - 1#12 CU THHN (ORANGE)
   3. NEUTRAL - 1#12 CU THHN (GREY)
   4. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
   5. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE AND GRAY)
2. TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
   1. CONTROLLED HOT(BROWN)
   2. NEUTRAL - 1#12 CU THHN (GREY)
   3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
   4. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE AND GRAY)
3. CATEGORY 5E CABLE (GREEN).

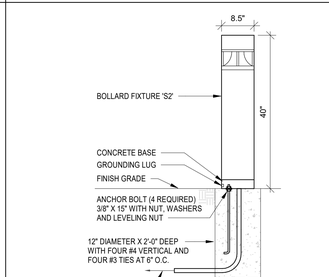
LIGHTING CONTROLS - 0-10V DIMMING3 N.T.S. 25



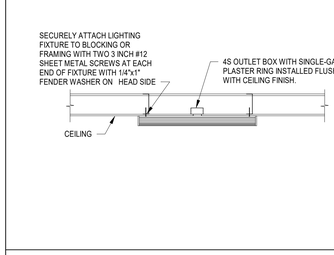
LIGHTING CONTROLS - nLIGHT ENABLED3 N.T.S. 20



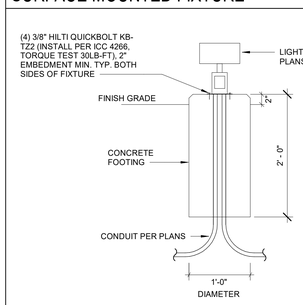
STRUT MOUNTED FIXTURE N.T.S. 18



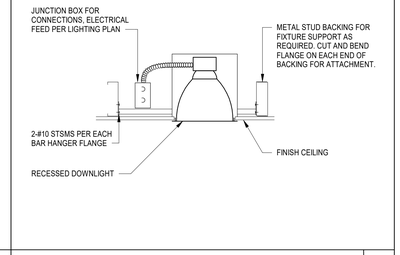
BOLLARD FIXTURE MOUNTING N.T.S. 19



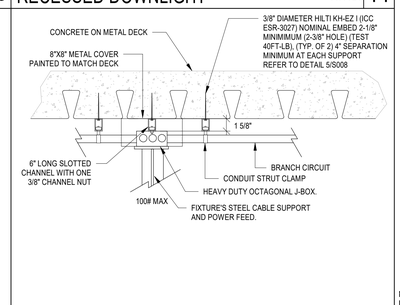
SURFACE MOUNTED FIXTURE N.T.S. 16



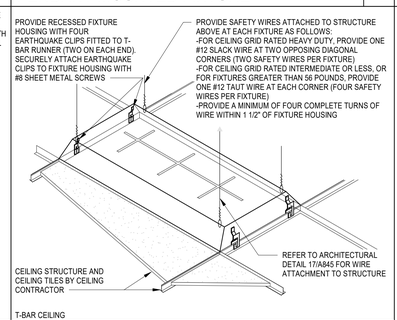
FLOOD LIGHT MOUNTING N.T.S. 17



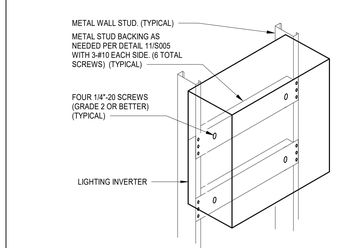
RECESSED DOWNLIGHT N.T.S. 11



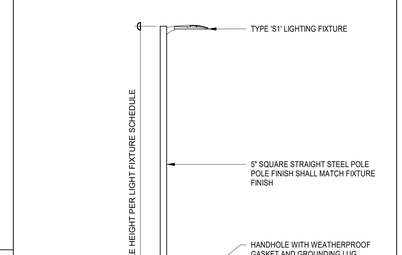
PENDANT MOUNTED FIXTURE N.T.S. 12



RECESSED FIXTURE MOUNTING N.T.S. 13

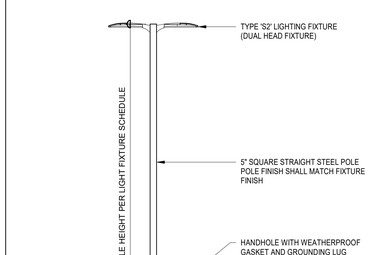


SURFACE PANEL MOUNTING N.T.S. 14



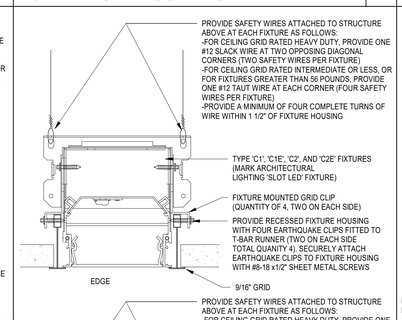
NOTE: SITE POLE LIGHT FIXTURES ARE LESS THAN 35 FEET. PER DSA IR A-22: NOT PART OF DSA APPROVAL

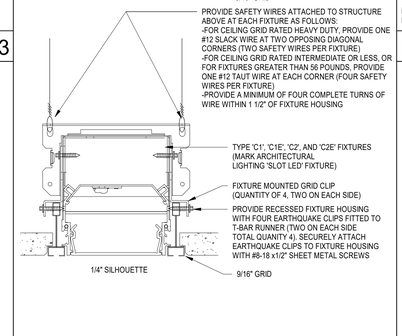
POLE FIXTURE MOUNTING N.T.S. 6



NOTE: SITE POLE LIGHT FIXTURES ARE LESS THAN 35 FEET. PER DSA IR A-22: NOT PART OF DSA APPROVAL

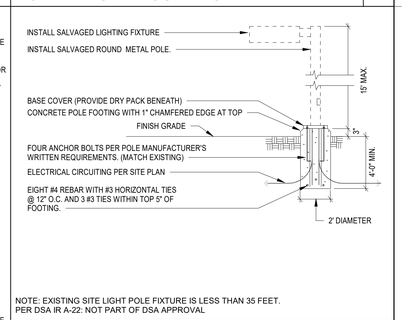
POLE FIXTURE MOUNTING N.T.S. 2





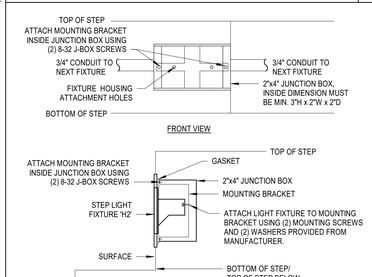
NOTE:
FIXTURE HOUSING MUST BE INSTALLED PRIOR TO CEILING BEING CLOSED. DESIGNED FOR 9/16" GRID.

RECESSED LINEAR FIXTURE - TYPE C3 & C3E N.T.S. 9

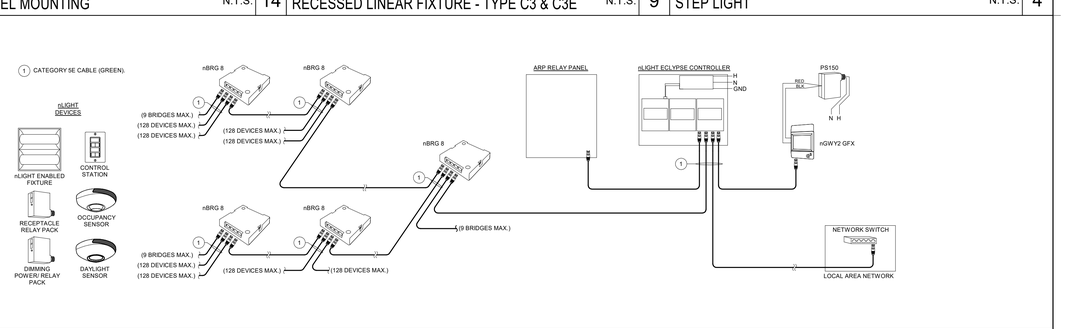


NOTE: EXISTING SITE LIGHT POLE FIXTURE IS LESS THAN 35 FEET. PER DSA IR A-22: NOT PART OF DSA APPROVAL

EXISTING POLE FIXTURE MOUNTING N.T.S. 3



STEP LIGHT N.T.S. 4



LIGHTING CONTROLS AUTOMATIC DEMAND RESPONSE N.T.S. 5

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL DETAILS - LIGHTING

PROJECT NO.
23-12499

DRAWING
E602

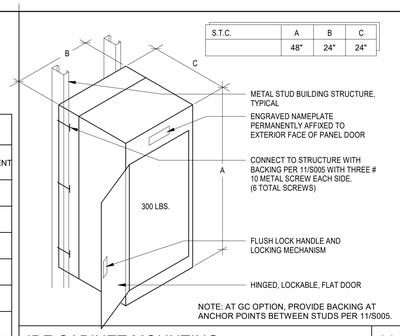
PLOT DATE: 8/13/2026 3:27:42 PM

\\tet-file1\Users\gene.vea_TETER\Documents\12499-E-COS Student Union_gene.vea.rvt

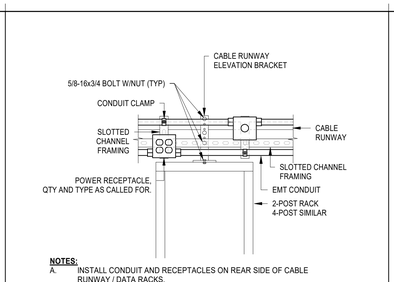
FIRE ALARM SYSTEM OPERATIONAL MATRIX

DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SMOKE DAMPER, OR ACTIVATE SMOKE VENT RELEASE	SHUTDOWN HVAC EQUIPMENT	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION	ASSOCIATED ELEVATOR RECALL	ASSOCIATED ELEVATOR FIRE-HAT	ASSOCIATED ELEVATOR SHUNT-TRIP	SPRINKLER BELL	ACTIVATE TO OPEN AUTOMATIC SMOKE VENT (THEMOLATCH)
FIRE ALARM PANEL SYSTEM TROUBLE				X	X					
MANUAL PULL STATION	X			X	X					
SMOKE DETECTOR	X	X		X	X					
HEAT DETECTOR	X			X	X					
DUCT SMOKE DETECTOR	X	X	X	X	X					
WATER FLOW SWITCH	X			X	X				X	
VALVE TAMPER SWITCH				SUPERVISORY	SUPERVISORY					
POST INDICATOR VALVE				SUPERVISORY	SUPERVISORY					
SMOKE DETECTOR IN ASSOICATED ELEVATOR LOBBIES						X				
SMOKE DETECTOR IN ASSOCIATED ELEVATOR MACHINE ROOM							X			
HEAT DETECTOR IN ASSOCIATED ELEVATOR MACHINE ROOM								X		
SMOKE DETECTOR IN ELEVATOR HOISTWAY				X	X	X	X			X

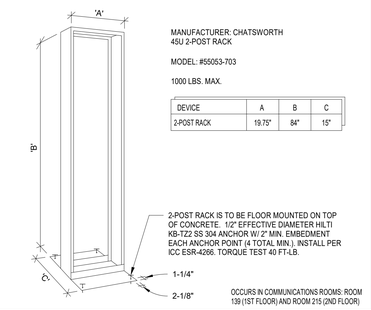
FIRE ALARM OPERATIONAL MATRIX N.T.S. 17



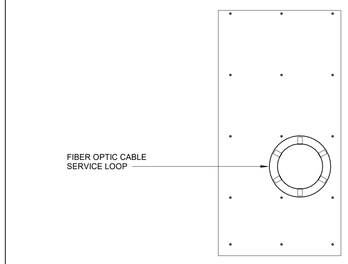
IDF CABINET MOUNTING N.T.S. 11



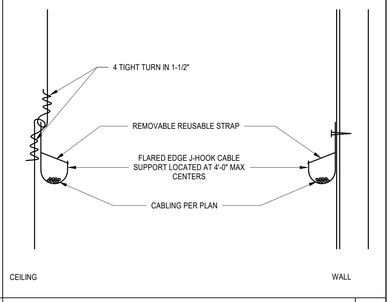
RECEPTACLE AT CABLE RUNWAY N.T.S. 6



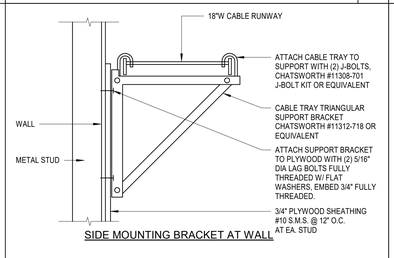
FLOOR MOUNTED 2-POST RACK N.T.S. 1



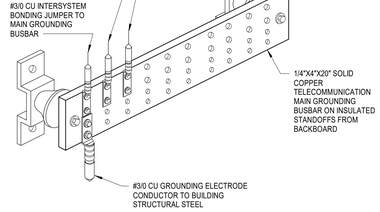
FIBER CABLE SERVICE LOOP N.T.S. 7



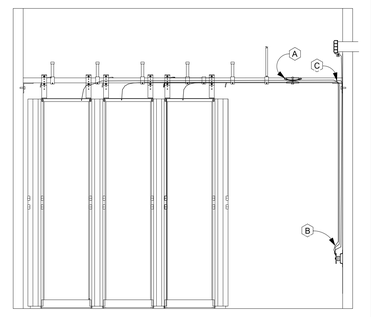
J-HOOK MOUNTING N.T.S. 2



CABLE RUNWAY MOUNTING N.T.S. 9



TELECOMM GROUNDING BUS N.T.S. 3



NOTES:

A. PROVIDE CABLE RUNWAY GROUND STRAP KIT FOR EACH JUNCTION OF CABLE RUNWAY.

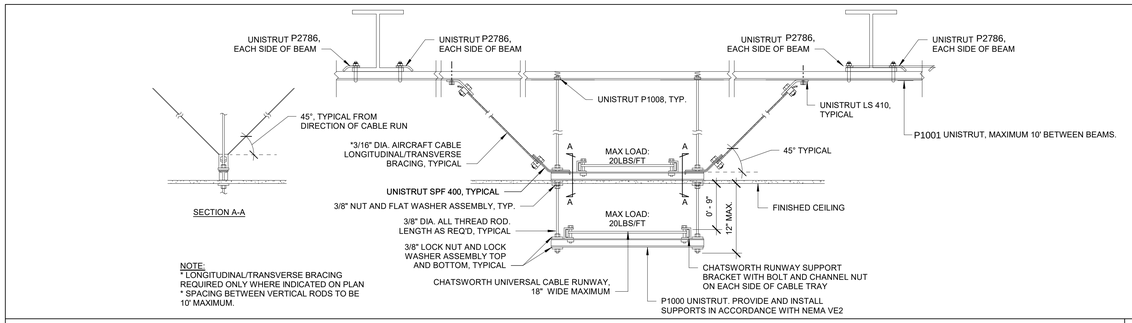
B. GROUNDING/BONDING WITHIN THE SERVER ROOM SHALL BE ACCOMPLISHED BY ONE OF THE TWO OPTIONS BELOW:
   1) PROVIDE INDIVIDUAL HOME RUNS OF A MINIMUM OF #6 AWG GREEN INSULATED STRANDED COPPER BONDING JUMPER FROM ALL REQUIRED METALLIC OBJECTS WITHIN TR BACK TO THE TMGB. PROVIDE A CONTINUOUS LOOP AROUND THE ROOM WITH A MINIMUM OF #4 AWG GREEN INSULATED STRANDED COPPER BONDING CONDUCTOR, THEN BOND THE END OF EACH OF THE CONDUCTOR TO THE TMGB. PROVIDE IRREVERSIBLE COMPRESSION CONNECTORS TO CONNECT #6 AWG BONDING JUMPERS TO THE #4 AWG MAIN BONDING CONDUCTOR LOOPED AROUND THE TR.
   2)

C. PROVIDE IRREVERSIBLE COMPRESSION TYPE CONNECTOR/TAP TO BOND GROUNDING JUMPER TO BONDING CONDUCTOR. USE PAINT PIERCING WASHERS TO CONNECT TWO HOLE LUG OF BONDING JUMPER TO CABLE RUNWAY. (TYP)

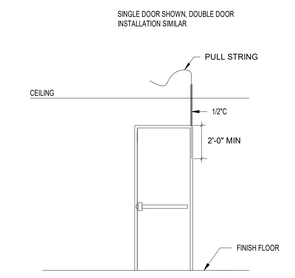
D. BOND CONDUCTOR TO CABLE RUNWAY ON BOTH SIDES OF AN INTERSECTION.

F. PROVIDE BONDING JUMPERS. MINIMUM SIZE: #6 AWG (TYP)

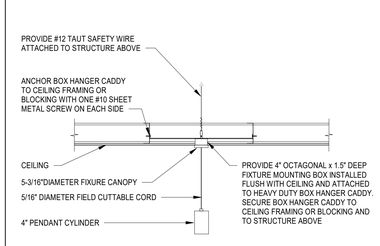
TR GROUNDING N.T.S. 5



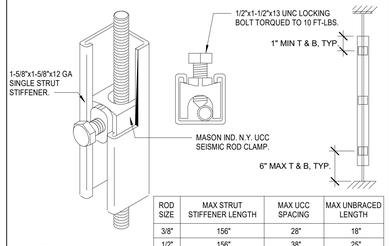
CABLE TRAY SUPPORT - ROOM 215 N.T.S. 13



SECURITY DEVICE ROUGH-IN - SINGLE N.T.S. 30

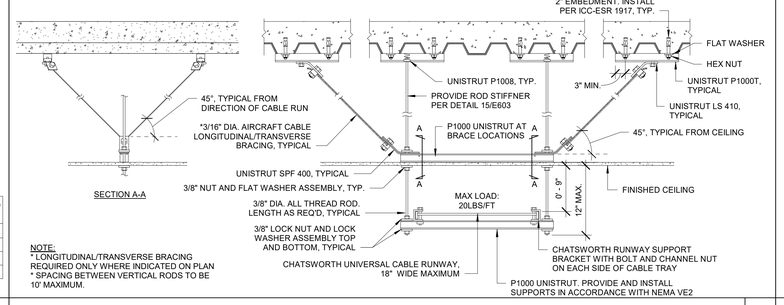


PENDANT FIXTURE P1, P1E, P3, P3E N.T.S. 25



ROD SIZE	MAX STRUT STIFFENER LENGTH	MAX UCC SPACING	MAX UNBRACED LENGTH
3/8"	156"	28"	18"
1/2"	156"	38"	25"
5/8"	156"	48"	31"
3/4"	156"	57"	37"

ROD STIFFNER N.T.S. 15



CABLE TRAY SUPPORT - ROOM 139 N.T.S. 10

PLOT DATE: 8/13/2026 11:07:44 AM

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A	08/14/26	DSA BACKCHECK
A	260624	DSA BACKCHECK

04/24/26

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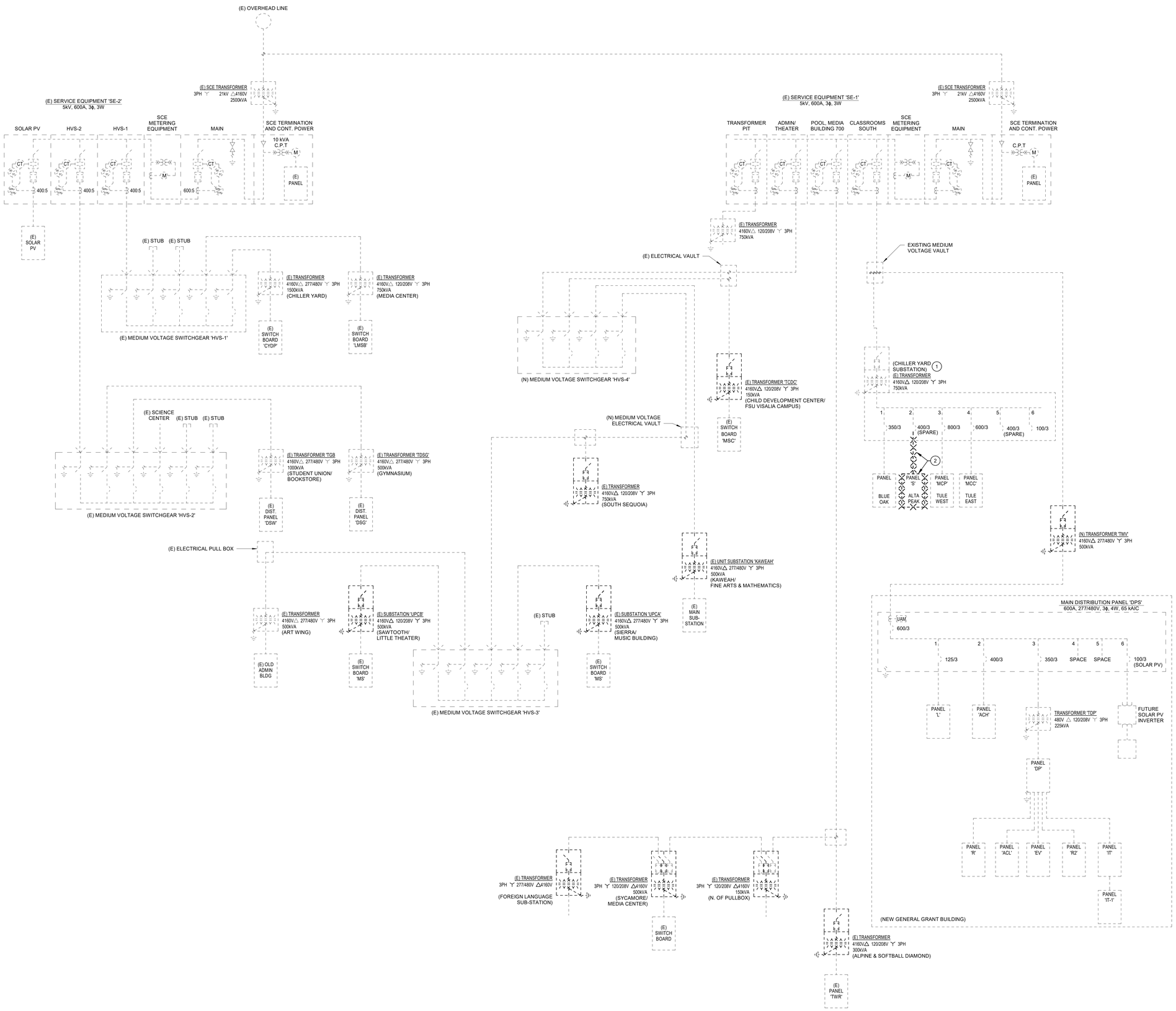
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL DETAILS - SIGNAL

PROJECT NO.
23-12499

DRAWING
E603



KEYNOTES

1. EXISTING 750kVA CHILLER YARD UNIT SUB-STATION SHALL REMAIN.
2. PRESERVE EXISTING PANEL 'S' AT ALTA PEAK BUILDING, TO ALLOW FOR NEW BUILDING FOUNDATION TO BE INSTALLED. REMOVE FEEDER TO PANEL 'S' AFTER NEW STUDENT UNION BUILDING HAS BEEN CONSTRUCTED AND ALTA PEAK BUILDING IS READY FOR DEMOLITION.

GENERAL NOTES

A. CIRCUIT BREAKERS SUPPLYING CLASS 1 TRANSFORMERS SHALL BE LOCKABLE IN THE OFF POSITION.

B. CIRCUIT BREAKERS THAT ARE 1200A OR LARGER SHALL HAVE AN ARC ENERGY REDUCTION FEATURE TO REDUCE CLEARING TIME. THE ARC ENERGY REDUCTION FEATURE SHALL BE AN ENERGY-REDUCING MAINTENANCE SWITCH WITH A LOCAL STATUS INDICATOR. WHEN THE SWITCH IS TURNED ON IT SHALL REDUCE THE CLEARING TIME AND SETS THE INSTANTANEOUS PICKUP CLEARING TIME TO BE 2 TIMES FASTER THAN THE NORMAL INSTANTANEOUS PICKUP SENSOR AMPERAGE.

C. ARC-FLASH HAZARD WARNING LABELS SHALL BE PROVIDED AT ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS AND PANELBOARDS IN ACCORDANCE WITH CEC 110.16.

D. CIRCUIT IDENTIFICATION - A TYPEWRITTEN CIRCUIT DIRECTORY SHALL BE PROVIDED AT EACH PANELBOARD AND SWITCHBOARD IN ACCORDANCE WITH CEC ARTICLE 408.4(A). THE CONTRACTOR SHALL DEVELOP AND PREPARE THE CIRCUIT IDENTIFICATION DESCRIPTION BASED ON THE AS-BUILT CONDITION.

E. SOURCE OF SUPPLY IDENTIFICATION - ALL SWITCHBOARDS, PANELBOARDS AND TRANSFORMERS SHALL HAVE A TYPEWRITTEN LABEL APPLIED INDICATING THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES PER CEC ARTICLE 408.4(B).

SINGLE LINE DIAGRAM - SELECTIVE DEMOLITION

N.T.S. | 1

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A	08/14/26	DSA BACKCHECK

04/24/26

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SINGLE LINE DIAGRAM - SELECTIVE DEMOLITION

PROJECT NO.
23-12499

DRAWING
E700

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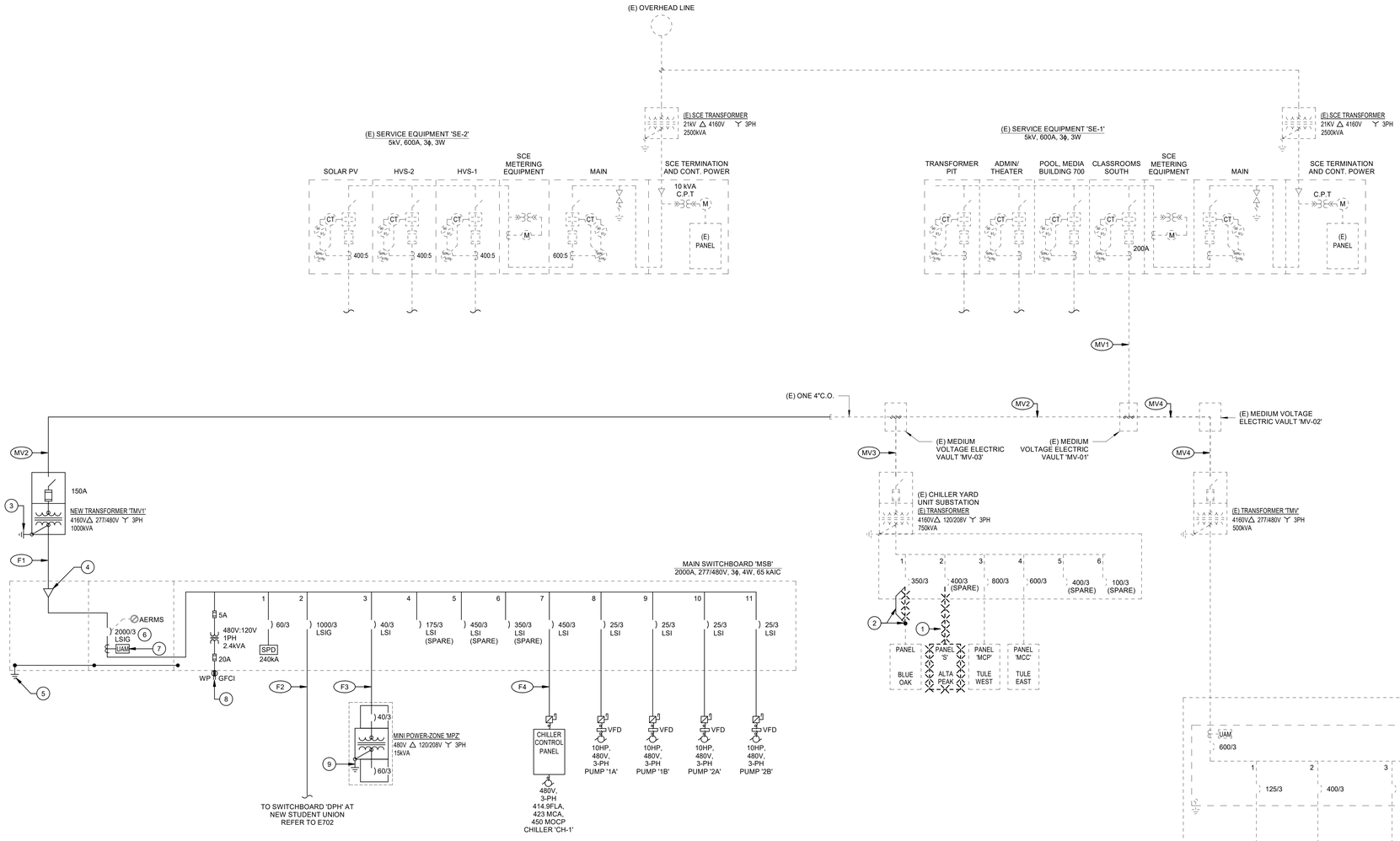
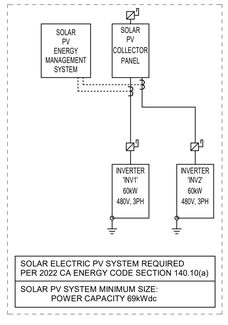


FEEDER SCHEDULE						
FEEDER	ORIGIN	DESTINATION	CONDUIT	CONDUCTORS	CALCULATED VOLTAGE DROP	REMARKS
MV1	(E) SERVICE EQUIPMENT 'SE-1'	NEW HIGH VOLTAGE VAULT	ONE 4"C CONCRETE ENCASED	3#2/0 CU MV-105 5KV 133% SHIELDED EPR WITH 1#4 CU GND	< 0.10%	EXISTING MEDIUM VOLTAGE FEEDER
MV2	NEW MEDIUM VOLTAGE VAULT	NEW TRANSFORMER 'TMV1'	ONE 4"C CONCRETE ENCASED	3#2/0 CU MV-105 5KV 133% SHIELDED EPR WITH 1#4 CU GND	< 0.10%	MEDIUM VOLTAGE FEEDER
MV3	NEW MEDIUM VOLTAGE VAULT	(E) CHILLER YARD UNIT SUBSTATION	ONE 4"C CONCRETE ENCASED	3#2/0 CU MV-105 5KV 133% SHIELDED EPR WITH 1#4 CU GND	< 0.10%	EXISTING MEDIUM VOLTAGE FEEDER
MV4	NEW MEDIUM VOLTAGE VAULT	(E) TRANSFORMER 'TMV'	ONE 4"C CONCRETE ENCASED	3#2/0 CU MV-105 5KV 133% SHIELDED EPR WITH 1#4 CU GND	< 0.10%	EXISTING MEDIUM VOLTAGE FEEDER
F1	NEW TRANSFORMER 'TMV1'	MAIN SWITCHBOARD 'MSB'	SIX 3"C	3#400kCMIL CU THWN + 1#400kCMIL CU GROUNDED NEUTRAL SERVICE FEEDER, IN EACH CONDUIT	0.30%	GROUNDED NEUTRAL SERVICE FEEDER - SIX SETS PARALLEL
F2	MAIN SWITCHBOARD 'MSB'	SWITCHBOARD 'DPH'	THREE 4"C	4#400 KCMIL CU THWN, 1#3/0 CU GND, IN EACH CONDUIT	0.62%	FEEDER - THREE SETS PARALLEL
F3	MAIN SWITCHBOARD 'MSB'	MINI POWER-ZONE 'MPZ'	ONE 1-1/4"C	3#8 CU THWN, 1#8 CU GND	<0.10%	FEEDER
F4	MAIN SWITCHBOARD 'MSB'	CHILLER 'CH-1'	TWO 3"C	4#4/0 CU THWN, 1#2 CU GND, IN EACH CONDUIT	1.48%	FEEDER - TWO SETS PARALLEL

PROVIDE SOLAR PV UNDER PARKING LOT
SOLAR PV PROJECT:



KEYNOTES

1. AFTER NEW STUDENT UNION BUILDING HAS BEEN CONSTRUCTED, REMOVE FEEDER TO PANEL 'S' WHEN ALTA PEAK BUILDING IS READY FOR DEMOLITION.
2. RE-ROUTE FEEDER SUPPLYING BLUE OAK PANEL TO ALLOW FOR CONSTRUCTION OF NEW STUDENT UNION BUILDING FOUNDATION. PROVIDE ONE 4"C WITH 4#750KCMIL CU THWN, 1#1/0 CU GND AND INTERCEPT EXISTING UNDERGROUND FEEDER SUPPLYING BLUE OAK BUILDING PANEL AND SPLICE CONDUCTORS WITH ILSCO WATERTIGHT UNDERGROUND SPLICE IN A NEW UNDERGROUND PULL BOX.
3. PROVIDE MEDIUM VOLTAGE TRANSFORMER, TRANSFORMER PAD, AND GROUNDING PER DETAIL 7/E600.
4. PROVIDE LANDING LUGS MATCHING INCOMING FEEDER.
5. SYSTEM GROUND PER DETAIL 3/E600.
6. GROUND FAULT PROTECTION FEATURE OF MAIN CIRCUIT BREAKER SHALL BE TESTED BY AN INDEPENDENT TESTING AGENCY IN ACCORDANCE WITH NETA SPECIFICATIONS AND A REPORT SHALL BE SUBMITTED TO THE ENGINEER.
7. 2022 CA ENERGY CODE COMPLIANT USER-ACCESSIBLE METER WITH THE FOLLOWING FEATURES:
   1. INSTANTANEOUS kW DEMAND
   2. HISTORIC PEAK DEMAND
   3. RESETTABLE kWh
   4. kWh PER RATE PERIOD
8. 120V, 20A, WEATHER-RESISTANT NEMA 5-20R DUPLEX GFCI RECEPTACLE FLUSH MOUNTED IN DEADFRONT BEHIND NEMA 3R DOOR.
9. MINI POWER-ZONE TRANSFORMER GROUNDING PER DETAIL 25/E600.
10. 15kV CLASS, 200A, 4-WAY SUBMERSIBLE FULLY SHIELDED AND INSULATED LOAD BREAK JUNCTION AND CONNECTOR ASSEMBLY.

GENERAL NOTES

A. CIRCUIT BREAKERS SUPPLYING CLASS 1 TRANSFORMERS SHALL BE LOCKABLE IN THE OFF POSITION.

B. CIRCUIT BREAKERS THAT ARE 1200A OR LARGER SHALL HAVE AN ARC ENERGY REDUCTION FEATURE TO REDUCE CLEARING TIME. THE ARC ENERGY REDUCTION FEATURE SHALL BE AN ENERGY-REDUCING MAINTENANCE SWITCH WITH A LOCAL STATUS INDICATOR. WHEN THE SWITCH IS TURNED ON IT SHALL REDUCE THE CLEARING TIME AND SETS THE INSTANTANEOUS PICKUP CLEARING TIME TO BE 2 TIMES FASTER THAN THE NORMAL INSTANTANEOUS PICKUP SENSOR AMPERAGE.

C. ARC-FLASH HAZARD WARNING LABELS SHALL BE PROVIDED AT ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS AND PANELBOARDS IN ACCORDANCE WITH CEC 110.16.

D. CIRCUIT IDENTIFICATION - A TYPEWRITTEN CIRCUIT DIRECTORY SHALL BE PROVIDED AT EACH PANELBOARD AND SWITCHBOARD IN ACCORDANCE WITH CEC ARTICLE 408.4(A). THE CONTRACTOR SHALL DEVELOP AND PREPARE THE CIRCUIT IDENTIFICATION DESCRIPTION BASED ON THE AS-BUILT CONDITION.

E. SOURCE OF SUPPLY IDENTIFICATION - ALL SWITCHBOARDS, PANELBOARDS AND TRANSFORMERS SHALL HAVE A TYPEWRITTEN LABEL APPLIED INDICATING THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES PER CEC ARTICLE 408.4(B).

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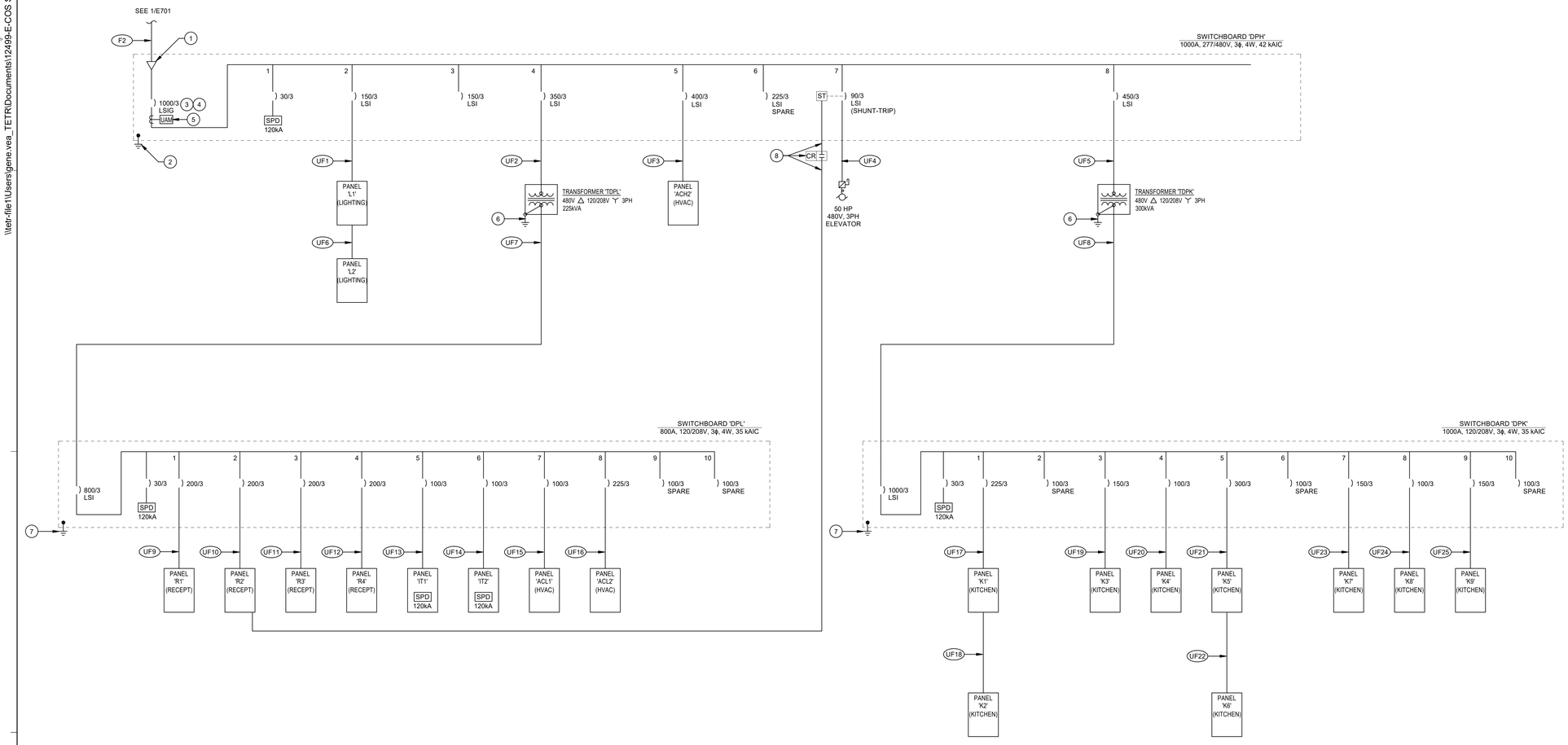
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SINGLE LINE DIAGRAM - SITE

PROJECT NO.
23-12499

DRAWING
E701



KEYNOTES

1. PROVIDE LANDING LUGS MATCHING INCOMING FEEDER.
2. REMOTE BUILDING GROUNDING ELECTRODE SYSTEM PER DETAIL 5/E601.
3. GROUND FAULT PROTECTION FEATURE OF MAIN CIRCUIT BREAKER SHALL BE TESTED BY AN INDEPENDENT TESTING AGENCY IN ACCORDANCE WITH NETA SPECIFICATIONS AND A REPORT SHALL BE SUBMITTED TO THE ENGINEER.
4. SELECTIVELY COORDINATE 'DPH' MAIN CIRCUIT BREAKER TRIP SETTINGS WITH 'MSB' MAIN CIRCUIT BREAKER TRIP SETTINGS AND WITH 20A, 1-POLE LIGHTING CIRCUIT BREAKERS.
5. 2022 CA ENERGY CODE COMPLIANT USER-ACCESSIBLE METER WITH THE FOLLOWING FEATURES:
   1. INSTANTANEOUS kW DEMAND
   2. HISTORIC PEAK DEMAND
   3. RESETTABLE kWh
   4. kWh PER RATE PERIOD
6. TRANSFORMER GROUND PER DETAIL 4/E601.
7. PANEL GROUND PER DETAIL 4/E601.
8. PROVIDE CONNECTION TO ELEVATOR SHUNT-TRIP CIRCUIT BREAKER COIL THROUGH FIRE ALARM CONTROL RELAY.

FEEDER SCHEDULE

FEEDER	ORIGIN	DESTINATION	CONDUIT	CONDUCTORS	CALCULATED VOLTAGE DROP	REMARKS
UF1	SWITCHBOARD 'DPH'	PANEL 'L1'	ONE 2"C	4#1/0 CU THWN, 1#6 CU GND	< 0.10%	FEEDER
UF2	SWITCHBOARD 'DPH'	TRANSFORMER 'TDPL'	ONE 3-1/2"C	3#500 KCMIL CU THWN, 1#2 CU GND	< 0.10%	FEEDER
UF3	SWITCHBOARD 'DPH'	PANEL 'ACH2'	TWO 2"C	4#3/0 KCMIL CU THWN, 1#2 CU GND, IN EACH CONDUIT	0.12%	FEEDER - TWO SETS PARALLEL
UF4	SWITCHBOARD 'DPH'	ELEVATOR	ONE 2"C	4#2 CU THWN, 1#6 CU GND	0.33%	FEEDER
UF5	SWITCHBOARD 'DPH'	TRANSFORMER 'TDPK'	TWO 2-1/2"C	3#4/0 KCMIL CU THWN, 1#2 CU GND, IN EACH CONDUIT	< 0.10%	FEEDER - TWO SETS PARALLEL
UF6	PANEL 'L1'	PANEL 'L2'	ONE 2"C	4#2 CU THWN, 1#6 CU GND	< 0.10%	FEEDER
UF7	TRANSFORMER 'TDPL'	PANEL 'DPL'	THREE 3"C	4#300 KCMIL CU THWN, 1#3/0 CU GND (SSBJ) IN EACH CONDUIT	0.17%	FEEDER - THREE SETS PARALLEL WITH SUPPLY-SIDE BONDING JUMPER
UF8	TRANSFORMER 'TDPK'	PANEL 'DPK'	THREE 4"C	4#400 KCMIL CU THWN, 1#3/0 CU GND (SSBJ) IN EACH CONDUIT	0.18%	FEEDER - THREE SETS PARALLEL WITH SUPPLY-SIDE BONDING JUMPER
UF9	SWITCHBOARD 'DPL'	PANEL 'R1'	ONE 2"C	4#3/0 CU THWN, 1#6 CU GND	< 0.10%	FEEDER
UF10	SWITCHBOARD 'DPL'	PANEL 'R2'	ONE 2"C	4#3/0 CU THWN, 1#6 CU GND	< 0.10%	FEEDER
UF11	SWITCHBOARD 'DPL'	PANEL 'R3'	ONE 2"C	4#3/0 CU THWN, 1#6 CU GND	0.38%	FEEDER
UF12	SWITCHBOARD 'DPL'	PANEL 'R4'	ONE 2"C	4#3/0 CU THWN, 1#6 CU GND	0.38%	FEEDER
UF13	SWITCHBOARD 'DPL'	PANEL 'IT1'	ONE 2"C	4#2 CU THWN, 1#6 CU GND	< 0.10%	FEEDER
UF14	SWITCHBOARD 'DPL'	PANEL 'IT2'	ONE 2"C	4#2 CU THWN, 1#6 CU GND	< 0.10%	FEEDER
UF15	SWITCHBOARD 'DPL'	PANEL 'ACL1'	ONE 2"C	4#2 CU THWN, 1#6 CU GND	< 0.10%	FEEDER
UF16	SWITCHBOARD 'DPL'	PANEL 'ACL2'	ONE 2-1/2"C	4#4/0 CU THWN, 1#6 CU GND	0.39%	FEEDER

FEEDER SCHEDULE

FEEDER	ORIGIN	DESTINATION	CONDUIT	CONDUCTORS	CALCULATED VOLTAGE DROP	REMARKS
UF17	SWITCHBOARD 'DPK'	PANEL 'K1'	ONE 2-1/2"C	4#4/0 CU THWN, 1#4 CU GND	0.69%	FEEDER
UF18	PANEL 'K1'	PANEL 'K2'	ONE 2-1/2"C	4#4/0 CU THWN, 1#4 CU GND	< 0.10%	FEEDER
UF19	SWITCHBOARD 'DPK'	PANEL 'K3'	ONE 2"C	4#1/0 CU THWN, 1#6 CU GND	0.76%	FEEDER
UF20	SWITCHBOARD 'DPK'	PANEL 'K4'	ONE 2"C	4#2 CU THWN, 1#6 CU GND	0.75%	FEEDER
UF21	SWITCHBOARD 'DPK'	PANEL 'K5'	ONE 3"C	4#350 KCMIL CU THWN, 1#4 CU GND	1.50%	FEEDER
UF22	PANEL 'K5'	PANEL 'K6'	ONE 3"C	4#350 KCMIL CU THWN, 1#4 CU GND	< 0.10%	FEEDER
UF23	SWITCHBOARD 'DPK'	PANEL 'K7'	ONE 2"C	4#1/0 CU THWN, 1#4 CU GND	0.70%	FEEDER
UF24	SWITCHBOARD 'DPK'	PANEL 'K8'	ONE 2"C	4#2 CU THWN, 1#6 CU GND	0.33%	FEEDER
UF25	SWITCHBOARD 'DPK'	PANEL 'K9'	ONE 2"C	4#1/0 CU THWN, 1#6 CU GND	0.87%	FEEDER
F2	MAIN SWITCHBOARD 'MSB'	SWITCHBOARD 'DPH'	THREE 4"C	4#400 KCMIL CU THWN, 1#3/0 CU GND, IN EACH CONDUIT	0.62%	FEEDER - THREE SETS PARALLEL

GENERAL NOTES

A. CIRCUIT BREAKERS SUPPLYING CLASS 1 TRANSFORMERS SHALL BE LOCKABLE IN THE OFF POSITION.

B. CIRCUIT BREAKERS THAT ARE 1200A OR LARGER SHALL HAVE AN ARC ENERGY REDUCTION FEATURE TO REDUCE CLEARING TIME. THE ARC ENERGY REDUCTION FEATURE SHALL BE AN ENERGY-REDUCING MAINTENANCE SWITCH WITH A LOCAL STATUS INDICATOR. WHEN THE SWITCH IS TURNED ON IT SHALL REDUCE THE CLEARING TIME AND SETS THE INSTANTANEOUS PICKUP CLEARING TIME TO BE 2 TIMES FASTER THAN THE NORMAL INSTANTANEOUS PICKUP SENSOR AMPERAGE.

C. ARC-FLASH HAZARD WARNING LABELS SHALL BE PROVIDED AT ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS AND PANELBOARDS IN ACCORDANCE WITH CEC 110.16.

D. CIRCUIT IDENTIFICATION - A TYPEWRITTEN CIRCUIT DIRECTORY SHALL BE PROVIDED AT EACH PANELBOARD AND SWITCHBOARD IN ACCORDANCE WITH CEC ARTICLE 408.4(A). THE CONTRACTOR SHALL DEVELOP AND PREPARE THE CIRCUIT IDENTIFICATION DESCRIPTION BASED ON THE AS-BUILT CONDITION.

E. SOURCE OF SUPPLY IDENTIFICATION - ALL SWITCHBOARDS, PANELBOARDS AND TRANSFORMERS SHALL HAVE A TYPEWRITTEN LABEL APPLIED INDICATING THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES PER CEC ARTICLE 408.4(B).

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COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SINGLE LINE DIAGRAM - STUDENT UNION BUILDING

PROJECT NO.
23-12499

DRAWING
E702

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EDUCATION SUPPORT SERVICES

STUDENT UNION

STUDENT UNION SECOND FLOOR

(N) IDF

24 STRAND SINGLE MODE FIBER

EDUCATION SUPPORT SERVICES

(E) IDF

STUDENT UNION FIRST FLOOR

(N) IDF

24 STRAND SINGLE MODE FIBER

BOOKSTORE 1ST FLOOR

(N) IDF

72 STRAND SINGLE MODE FIBER

SIGNAL RISER DIAGRAM

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SIGNAL RISER DIAGRAM

PROJECT NO.
23-12499

DRAWING
E703

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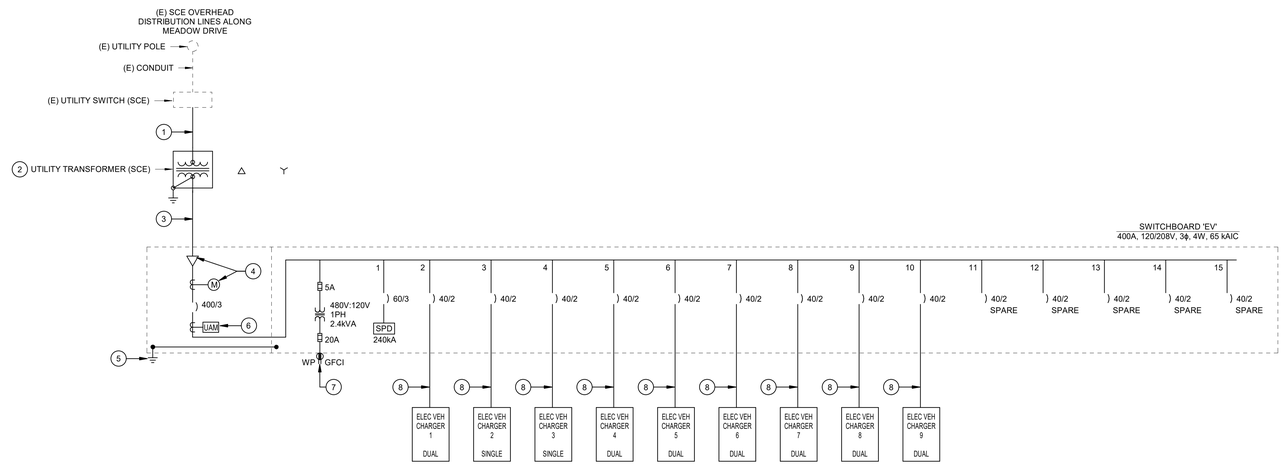

SINGLE LINE DIAGRAM - EV CHARGING | N.T.S. | 1

KEYNOTES

1. ONE 5"C (SCE PRIMARY), FURNISH AND INSTALL PER SCE REQUIREMENTS.
2. SCE TRANSFORMER. FURNISH AND INSTALL TRANSFORMER PAD, GROUNDING AND TRAFFIC BARRIERS PER SCE REQUIREMENTS.
3. ONE 4"C (SCE SECONDARY), FURNISH AND INSTALL PER SCEREQUIREMENTS.
4. LANDING LUGS AND METERING FACILITIES PER SCE COMPANY REQUIREMENTS.
5. SYSTEM GROUND PER DETAIL 6/E600.
6. 2022 CA ENERGY CODE COMPLIANT USER-ACCESSIBLE METER WITH THE FOLLOWING FEATURES:
   1. INSTANTANEOUS kW DEMAND
   2. HISTORIC PEAK DEMAND
   3. RESETTABLE kWh
   4. kWh PER RATE PERIOD
7. 120V, 20A WEATHER RESISTANT NEMA 5-20R DUPLEX GFCI RECEPTACLE FLUSH MOUNTED IN DEADFRONT BEHING NEMA 3R DOOR.
8. ONE 1-1/4"C WITH 2#8 CU THWN AND 1#10 CU GND.

PANEL: EV

NEW I-LINE DISTRIBUTION SWITCHBOARD

BUS: 400 AMP BUS
VOLTAGE: 120/208V, 3 PH, 4 W
NEUTRAL: 100% RATED NEUTRAL

MAIN: 400A CB
TRIP: ELECTRONIC LSI
A.I.C.: 65 kAIC

LOCATION: PARKING LOT
MOUNTING: PAD MOUNT PER...
ENCLOSURE: NEMA 3R

CIRCUIT		...		SERVES		VOLT-AMPERES		
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C
1	1	40	2	ELECTRICAL VEHICLE CHARGER 1 (DUAL EV CHARGER)	3840	3840		
					3840		3840	
2	2	40	2	ELECTRICAL VEHICLE CHARGER 2 (SINGLE EV CHARGER)	3840			3840
					3840	3840		
3	3	40	2	ELECTRICAL VEHICLE CHARGER 3 (SINGLE EV CHARGER)	3840		3840	
					3840			3840
4	4	40	2	ELECTRICAL VEHICLE CHARGER 4 (DUAL EV CHARGER)	3840	3840		
					3840		3840	
5	5	40	2	ELECTRICAL VEHICLE CHARGER 5 (DUAL EV CHARGER)	3840			3840
					3840	3840		
6	6	40	2	ELECTRICAL VEHICLE CHARGER 6 (DUAL EV CHARGER)	3840		3840	
					3840			3840
7	7	40	2	ELECTRICAL VEHICLE CHARGER 7 (DUAL EV CHARGER)	3840	3840		
					3840		3840	
8	8	40	2	ELECTRICAL VEHICLE CHARGER 8 (DUAL EV CHARGER)	3840			3840
					3840	3840		
9	9	40	2	ELECTRICAL VEHICLE CHARGER 9 (DUAL EV CHARGER)	3840		3840	
					3840			3840
10	10	40	2	SPARE	0	0		
					0		0	
11	11	40	2	SPARE	0			0
					0	0		
12	12	40	2	SPARE	0		0	
					0			0
13	13	40	2	SPARE	0	0		
					0		0	
14	14	40	2	SPARE	0			0
					0	0		
15	15	40	2	SPARE	0		0	
					0			0
				TOTAL CONNECTED LOAD (VA) :		23040	23040	23040
				25% LCL/LML (VA) :		0	0	0
				TOTAL CALCULATED LOAD (VA) :		23040	23040	23040
				TOTAL CALCULATED LOAD (AMPS) :		192.0	192.0	192.0

PANEL SCHEDULE - SWITCHBOARD EV | N.T.S. | 2

GENERAL NOTES

A. ARC-FLASH HAZARD WARNING LABELS SHALL BE PROVIDED AT ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS AND PANELBOARDS IN ACCORDANCE WITH CEC 110.16.

B. CIRCUIT IDENTIFICATION - A TYPEWRITTEN CIRCUIT DIRECTORY SHALL BE PROVIDED AT EACH PANELBOARD AND SWITCHBOARD IN ACCORDANCE WITH CEC ARTICLE 408.4(A). THE CONTRACTOR SHALL DEVELOP AND PREPARE THE CIRCUIT IDENTIFICATION DESCRIPTION BASED ON THE AS-BUILT CONDITION.

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
SINGLE LINE DIAGRAM - ELECTRIC VEHICLE

PROJECT NO.
23-12499

DRAWING
E704

PLOT DATE: 8/13/2026 11:07:52 AM

FIRE ALARM SYSTEM DESCRIPTION

THE FIRE ALARM SYSTEM DESCRIBED BY THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS IS A MANUAL AND AUTOMATIC SYSTEM. THIS SYSTEM UTILIZES SMOKE DETECTORS ON CEILINGS AND IN THE ROOMS HOUSING THE FIRE ALARM SYSTEM EQUIPMENT WITH FIRE SPRINKLERS THROUGHOUT THE BUILDING. FIRE SPRINKLERS SHALL BE INSTALLED IN ATTICS IN LIEU OF HEAT DETECTORS. THE SYSTEM IS ADDRESSABLE AND IS WIRED CLASS 'B' WITHIN THE BUILDINGS AND CLASS 'B' BETWEEN BUILDINGS.

FIRE ALARM APPROVAL

THE FIRE ALARM SYSTEM DESIGN IS A "COMPLETE PLAN SUBMITTAL" PER DSA FIRE ALARM SUBMITTAL GUIDELINES. THE CONTRACTOR SHALL INSTALL THE SYSTEM AS SHOWN AND AS HEREIN SPECIFIED. IF ANY SUBSTITUTION OF FIRE ALARM EQUIPMENT IS TO BE REQUESTED, SUCH REQUEST SHALL BE MADE A MINIMUM OF TWO WEEKS PRIOR TO PROJECT BID DATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE SUBSTITUTION PER THE DSA GUIDELINES AND SHALL PAY ALL ADDITIONAL COSTS REQUIRED TO ACCOMMODATE REVIEW OF THE SUBSTITUTED FIRE ALARM SYSTEM BY DSA, WHETHER OR NOT SUCH APPROVAL IS GIVEN. THE CONTRACTOR'S SUBMITTAL SHALL INCLUDE MANUFACTURER'S CATALOG CUT SHEETS AND CSFM LISTING SHEETS FOR THE INDIVIDUAL COMPONENTS COMPRISING THE SUBSTITUTED FIRE ALARM SYSTEM, BATTERY LOAD CALCULATIONS AND VOLTAGE DROP CALCULATIONS FOR EACH SIGNALING CIRCUIT.

APPLICABLE CODES AND STANDARDS

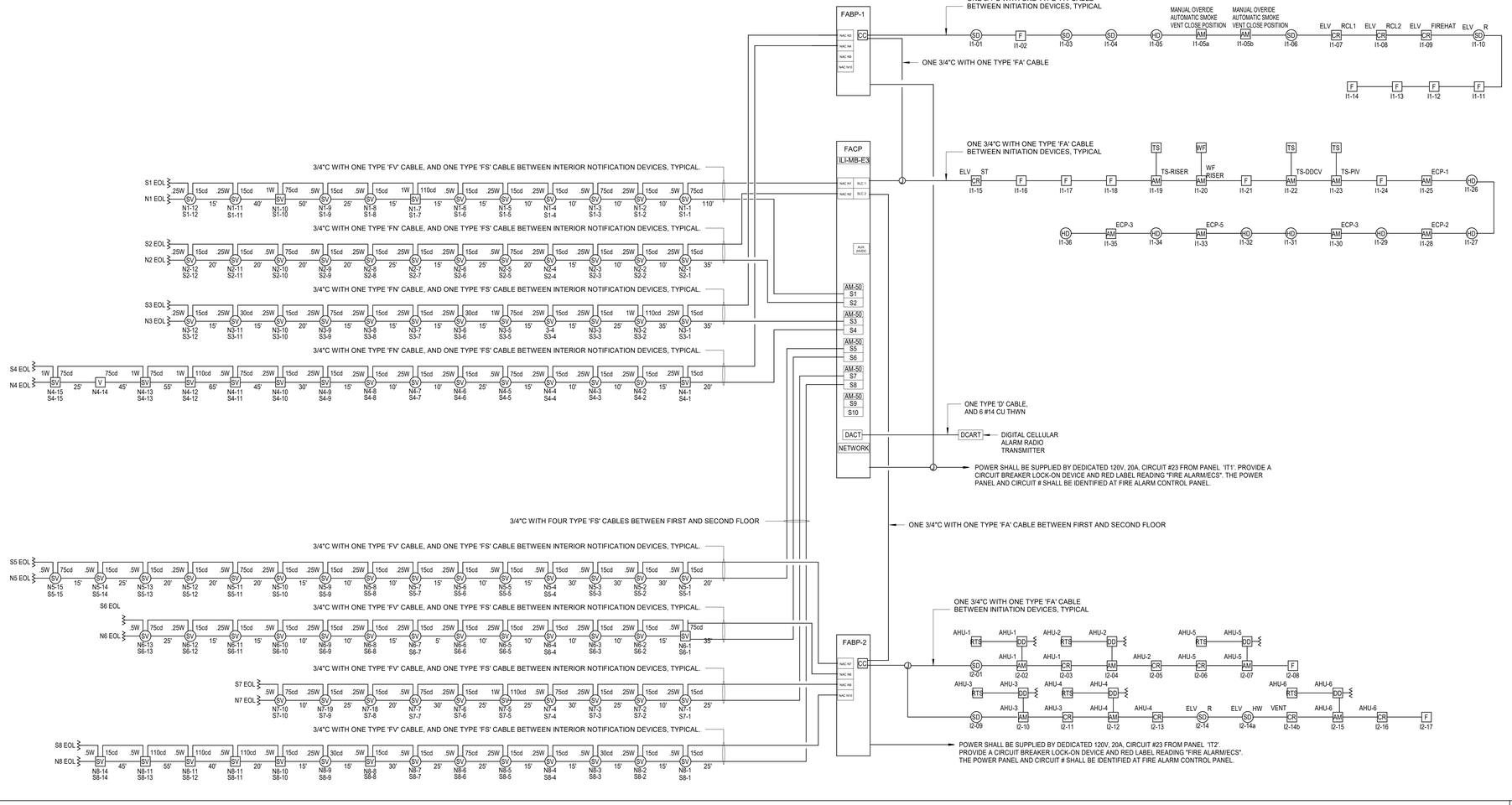
2022 CA BUILDING CODE - CCR, TITLE 24, PART 2, VOLUMES 1 & 2
(2021 IBC AND CALIFORNIA AMENDMENTS)
2022 CA ELECTRICAL CODE - CCR, TITLE 24, PART 3
(2020 NEC AND CALIFORNIA AMENDMENTS)
2022 CA MECHANICAL CODE - CCR, TITLE 24, PART 4
(2021 UMC AND CALIFORNIA AMENDMENTS)
2022 CA PLUMBING CODE - CCR, TITLE 24, PART 5
(2021 UPC AND CALIFORNIA AMENDMENTS)
2022 CA FIRE CODE - CCR, TITLE 24, PART 9
(2021 IFC AND CALIFORNIA AMENDMENTS)
2022 CA REFERENCE STANDARDS CODE - CCR, TITLE 24, PART 12
2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS AND 2022 CALIFORNIA AMENDMENTS
2022 NFPA 72, NATIONAL FIRE ALARM CODE, AND 2022 CALIFORNIA AMENDMENTS
PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS - CCR, TITLE 19
DSA GUIDELINES FOR FIRE AND LIFE SAFETY SYSTEMS, DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES.

FIRE ALARM GENERAL NOTES

1. UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATERTIGHT FITTINGS. (CEC 110.11 AND CEC 300.6)
2. OUTLETS ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SPACING OF TWO FEET.
3. FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE AS FOLLOWS:
   a. PULL STATION - OPERABLE PART OF A MANUALLY ACTUATED ALARM INITIATING DEVICE SHALL BE NOT LESS THAN 42" FROM FINISHED FLOOR, AND TOP OF BOX SHALL NOT BE MORE THAN 48" FROM FINISHED FLOOR. (CBC 11B 308.1.1, NFPA 72 17.14.5)
   b. INTERIOR AUDIBLE NOTIFICATION APPLIANCE - AT LEAST 90" TO THE TOP OF DEVICE ABOVE FINISHED FLOOR AND NOT LESS THAN 6" BELOW FINISHED CEILING. (NFPA 72 18.4.8.1)
   c. WALL-MOUNTED STROBE OR SPEAKER/STROBE - AT LEAST 80" TO BOTTOM OF LENS AND NOT GREATER THAN 96" TO TOP OF LENS ABOVE FINISHED FLOOR. (NFPA 72 18.5.5.1)
4. AUDIBLE SIGNAL DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF AT LEAST 15 dBA ABOVE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 dBA AT TEN FEET, OR MORE THAN 110 dBA IN TOTAL. (NFPA 72 18.4.3.1, 18.4.1.2 AND CFC 907.5.2.1.2)
5. AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS. (CFC 907.5.2.1.1)
6. AUDIBLE DEVICES SHALL SOUND THE CA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE. PROVIDE AT LEAST ONE EXTERIOR AUDIBLE DEVICE ON BUILDING FOR E OCCUPANCIES. (CFC 907.5.2.1.3)
7. EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SHALL COMPLY WITH CBC 907.2.3 AND NFPA 72 24.4.2
8. VISUAL DEVICES SHALL NOT EXCEED TWO FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN ONE FLASH EVERY SECOND. (NFPA 72 18.5.3.1)
9. AUTOMATIC SMOKE DETECTION SHALL BE PROVIDED AT THE LOCATION OF EACH FIRE ALARM CONTROL UNIT, NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER AND SUPERVISING STATION TRANSMITTING EQUIPMENT TO PROVIDE NOTIFICATION OF FIRE AT THAT LOCATION. (NFPA 72 10.4.4)
10. BRANCH CIRCUITS PROTECTING FIRE ALARM EQUIPMENT SHALL BE LABELED PER NFPA 72 10.6.5.2.2 AND SHALL INCLUDE A LISTED CIRCUIT BREAKER LOCKING DEVICE PER NFPA 72 10.6.5.4
11. COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING ALL DEVICES AND APPLIANCES. PROVIDE A COPY OF THE COMPLETED RECORD OF COMPLETION TO THE OWNER (SCHOOL DISTRICT), ARCHITECT, LOCAL FIRE AUTHORITY, AND DSA VIA THE PROJECT INSPECTOR. TESTING OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY AND THE DSA INSPECTOR OF RECORD (IOR). FINAL TEST SHALL INCLUDE READ OUT VERIFICATION FORM FROM CENTER STATION.
12. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CFC 907.8.5, NFPA 72 14.4.1.1, NFPA 72 14.5)
13. MICROPHONE ACCESSIBILILTY SHALL COMPLY WITH CBC 11B-305B AND 11-308

FIRE ALARM CODES AND NOTES N.T.S. 8

FIRE ALARM RISER DIAGRAM



N.T.S. 1

FIRE ALARM MONITORING NOTE

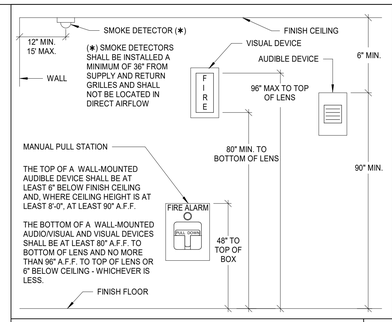
AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

FIRE ALARM MONITORING N.T.S. 9

FIRE ALARM SYSTEM EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL 'FACP': GAMEWELL-FCI E3 SERIES W/ AUTOMATIC CHARGING SYSTEM C.S.F.M. #7165-1703:0125
M	PAGING MICROPHONE IN REMOTE ENCLOSURE: GAMEWELL-FCI #INCC-MIC C.S.F.M. #7165-1703:0125
DCRAT	DIGITAL CELLULAR RADIO ALARM TRANSMISSION DEVICE TELLULAR CORP #TG 7FE C.S.F.M. #7300-1402:0503
FABP	FIRE ALARM BOOSTER PANEL 'FABP': HONEYWELL #HPF2458 W/ AUTOMATIC CHARGING SYSTEM C.S.F.M. #7315-1637:0102
F	ADRESSABLE DOUBLE ACTION MANUAL PULL STATION (ON WALL): GAMEWELL-FCI #MS-7AF C.S.F.M. #7150-1703:0119
SD	ADDRESSABLE SMOKE DETECTOR AND BASE (ON CEILING): GAMEWELL-FCI #ASD-PL2F / B501 C.S.F.M. #7272-1703:0121/7300-1653:0109
HD	ADDRESSABLE HEAT DETECTOR AND BASE (ON CEILING): GAMEWELL-FCI #ATD-L2F / B501 C.S.F.M. #7270-1703:0115/7300-1653:0109
DD	CONVENTIONAL DUCT SMOKE DETECTOR: SYSTEM SENSOR #D4120 C.S.F.M. #3242-1653:0207
AM	ADDRESSABLE SUPERVISED INPUT MODULE: GAMEWELL-FCI #AMM-4F C.S.F.M. #7300-1703:0102
CR	CONTROL RELAY MODULE: GAMEWELL-FCI #AOM-2RF C.S.F.M. #7300-1703:0102
V XX	STROBE ANNUNCIATOR - WALL MOUNTED (XX REPRESENTS CANDELA): - SYSTEM SENSOR #SRL C.S.F.M. #7125-1653:0504
SV XX	SPEAKER/STROBE ANNUNCIATOR - WALL MOUNTED (XX REPRESENTS CANDELA) - SYSTEM SENSOR #SPSRL C.S.F.M. #7320-1653:0505
SV XX	SPEAKER/STROBE ANNUNCIATOR - CEILING MOUNTED (XX REPRESENTS CANDELA) - SYSTEM SENSOR #SPSCRL C.S.F.M. #7320-1653:0505
S WP	VOICE EVACUATION SYSTEM SPEAKER, OUTDOOR SYSTEM SENSOR #SPRK-R C.S.F.M. #7320-1653:0201
SM	SYNCHRONIZATION MODULE SYSTEM SENSOR #MDL3R C.S.F.M. # 7300-1653:0202
TS	TAMPER SWITCH AT PIV, FIRE SPRINKLER RISER, OR DOUBLE DETECTOR CHECK VALVE. SPECIFIED UNDER FIRE PROTECTION DRAWINGS.
FS	FLOW SWITCH AT FIRE SPRINKLER RISER. SPECIFIED UNDER FIRE PROTECTION DRAWINGS.
CC	SUPERVISED CONTROL MODULE: GAMEWELL-FCI #AOM-2SF C.S.F.M. #7300-1703:0102

FIRE ALARM LEGEND N.T.S. 7



FIRE ALARM DEVICE ELEVATIONS N.T.S. 4

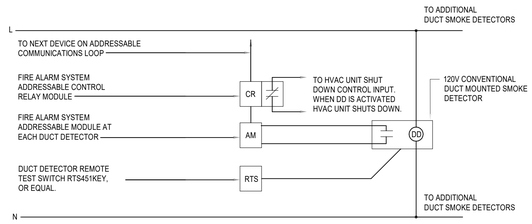
FIRE ALARM CABLE SCHEDULE

CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
'FNET'	4-STRAND MULTI-MODE FIBER OPTIC CABLE (62.5/125um)	CORNING INFINICOR 300 OR EQUIVALENT	BLACK	FIRE ALARM	SITE OPTICAL FIBER FIRE ALARM NETWORK
'FA'	1 PR, #16 AWG SOLID UNSHIELDED FPL	WEST PENN #D990	RED	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE - INTERIOR
'FAS'	1 PR, #16 AWG STRANDED UNSHIELDED AQUASEAL FPL	WEST PENN #AQC225	BLACK	FIRE ALARM	SITE ADDRESSABLE SLC LOOP CABLE - EXTERIOR/OUTDOOR
'FS'	1 PR, #14 AWG SOLID SHIELDED, FPLP	WEST PENN #60992B	RED	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT - INTERIOR
'FSS'	1 PR, #14 AWG SOLID SHIELDED, FPL	WEST PENN #AQC295	BLACK	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT - EXTERIOR/OUTDOOR
'FV'	1 PR, #12 SOLID UNSHIELDED FPLP	WEST PENN #60995B	RED	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANCE CIRCUIT - INTERIOR
'FVS'	1 PR, #12 STRANDED UNSHIELDED FPL	WEST PENN #AQ227	BLACK	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANCE CIRCUIT - EXTERIOR/OUTDOOR

FIRE ALARM CABLE SCHEDULE N.T.S. 2

HVAC UNIT SHUTDOWN CONTROL

1. FIRE ALARM CONTROL PANEL SHALL BE PROGRAMMED SUCH THAT ACTIVATION OF 120V CONVENTIONAL DUCT SMOKE DETECTOR WILL CAUSE THE HVAC UNIT TO SHUT DOWN.
2. IF UNIT'S DUCT SYSTEM HAS FIRE/SMOKE DAMPERS, THEN FIRE ALARM CONTROL PANEL SHALL ALSO BE PROGRAMMED SUCH THAT ACTIVATION OF SMOKE DETECTORS ASSOCIATED WITH UNIT'S DUCT SYSTEM FIRE/SMOKE DAMPERS WILL CAUSE THE HVAC UNIT TO SHUT DOWN.



HVAC UNIT SHUTDOWN CONTROL N.T.S. 5

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
FIRE ALARM RISER DIAGRAM, LEGEND, SCHEDULES, & NOTES

PROJECT NO.
23-12499

DRAWING
E710

PLOT DATE: 8/13/2026 11:08:00 AM

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dB LINE LOSS CALCULATION

SPEAKER VOLTAGE = 24

SPEAKERS	DEVICE POWER (WATTS)	SIGNAL CKT S1 QTY.	S1 WATTS	SIGNAL CKT S2 QTY.	S2 WATTS	SPEAKER QTY TOTAL.	MIN. AMPLIFIER SIZE (WATTS)
SPEAKER - 1/4 WATT TAP	0.25	5	1.25	9	2.25	14	
SPEAKER - 1/2 WATT TAP	0.5	5	2.5	2	1	7	
SPEAKER - 1 WATT TAP	1	2	2	1	1	3	**12**
SPEAKER - 2 WATT TAP	2	0	0	0	0	0	
TOTAL POWER ON CKT (P) WATTS			5.75		4.25		
LOAD RESISTANCE (LR) OHMS			101		136		
TOTAL WIRE LENGTH (D) FT			365		235		
WIRE SIZE			14 AWG		14 AWG		
TOTAL WIRE RESISTANCE (WR) OHMS			2.3798		1.5322		
POWER LOSS (PL) dB			**-0.11**		**-0.05**		

FORMULAS

WIRE RESISTANCE (R) (OHMS/KFt)*		
18 AWG	=	8.08
16 AWG	=	5.08
14 AWG	=	3.26
12 AWG	=	2.05

*VALUES PER NFPA 70

TOTAL WIRE RESISTANCE (WR) = (R / 1000) * D

LOAD RESISTANCE (LR) = (SPEAKER VOLTAGE)^2 / P

POWER LINE LOSS (PL) = 10 * LOG (1- (WR / (WR+LR)))

dB LINE LOSS CALCULATION

SPEAKER VOLTAGE = 24

SPEAKERS	DEVICE POWER (WATTS)	SIGNAL CKT S3 QTY.	S3 WATTS	SIGNAL CKT S4 QTY.	S4 WATTS	SPEAKER QTY TOTAL.	MIN. AMPLIFIER SIZE (WATTS)
SPEAKER - 1/4 WATT TAP	0.25	9	2.25	9	2.25	18	
SPEAKER - 1/2 WATT TAP	0.5	0	0	2	1	2	
SPEAKER - 1 WATT TAP	1	2	2	3	3	5	**12.6**
SPEAKER - 2 WATT TAP	2	0	0	0	0	0	
TOTAL POWER ON CKT (P) WATTS			4.25		6.25		
LOAD RESISTANCE (LR) OHMS			136		93		
TOTAL WIRE LENGTH (D) FT			225		395		
WIRE SIZE			14 AWG		14 AWG		
TOTAL WIRE RESISTANCE (WR) OHMS			1.467		2.5754		
POWER LOSS (PL) dB			**-0.05**		**-0.12**		

FORMULAS

WIRE RESISTANCE (R) (OHMS/KFt)*		
18 AWG	=	8.08
16 AWG	=	5.08
14 AWG	=	3.26
12 AWG	=	2.05

*VALUES PER NFPA 70

TOTAL WIRE RESISTANCE (WR) = (R / 1000) * D

LOAD RESISTANCE (LR) = (SPEAKER VOLTAGE)^2 / P

POWER LINE LOSS (PL) = 10 * LOG (1- (WR / (WR+LR)))

NAC 'N1' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
8	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.3280
2	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.2220
1	SPSRL-110	Speaker Strobe Wall, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.1480	0.1480
1	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.1110
1	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0500	0.0500
		TOTAL CURRENT ADDED TO CIRCUIT		0.859

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **355**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **1.009**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **23 VDC**

PERCENT VOLTAGE DROP (%) = **4.2 %**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

NAC 'N2' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
10	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.4100
2	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.2220
1	MDL3R	Sync Module, two circuit Class B, 24 VDC		0.0000
		TOTAL CURRENT ADDED TO CIRCUIT		0.632

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **235**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **0.491**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **23.5 VDC**

PERCENT VOLTAGE DROP (%) = **2.05 %**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

NAC 'N3' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
7	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.2870
2	SPSCRL-30	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 30 cd, 25/70 Vrms, red	0.0630	0.1260
2	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.2220
1	SPSCRL-115	#N/A	#N/A	#N/A
1	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0500	0.0500
		TOTAL CURRENT ADDED TO CIRCUIT		#N/A

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **235**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **#N/A**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **#N/A**

PERCENT VOLTAGE DROP (%) = **#N/A**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

NAC 'N4' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
6	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.2460
3	SPSRL-15	Speaker Strobe Wall, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0430	0.1290
1	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.1110
3	SPSRL-75	Speaker Strobe wall, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1070	0.3210
1	SRL-75	Strobe Wall, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1070	0.1070
1	SPSRL-110	Speaker Strobe Wall, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.1480	0.1480
1	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0500	0.0500
		TOTAL CURRENT ADDED TO CIRCUIT		1.112

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **395**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **1.453**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **22.5 VDC**

PERCENT VOLTAGE DROP (%) = **6.05 %**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

FIRE ALARM CONTROL PANEL 'FACP' BATTERY CALCULATIONS

QTY.	DEVICE	DESCRIPTION	STANDBY CURRENT	ALARM CURRENT/ DEVICE	ALARM CURRENT
1	ILI-MB-E3	Intel. Loop Interface, Main Board (ILI-MB-E3)	0.0810	0.1500	0.1500
1	LCD-E3	LCD Display & Switch Control (LCD-E3)	0.0240	0.0280	0.0280
1	DACT-E3	Digital Communicator (DACT-E3)	0.0180	0.0180	0.0180
1	ASM-16	Auxiliary Switch Sub-Assembly (ASM-16)	0.0110	0.0110	0.0110
1	NGA	Network LCD Annunicator (NGA)	0.2000	0.2000	0.2000
1	INCC-MIC	Paging Microphone Module	0.0000	0.0000	0.0000
5	AM-50	Amplifier, 50Watt, 25/70 Vrms	0.4300	2.2060	11.0300
1	INI-VGC	Voice Gateway Module	0.1500	0.1500	0.1500
1	INI-VGX	Transponder Voice Gateway	0.1500	0.1500	0.1500
1	TG 7FE	Digital Cellular Alarm Radio Trnsmission Device	0.0180	0.1100	0.1100
2	SPSRL-110	Speaker Strobe Wall, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.0000	0.1480	0.2960
18	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0000	0.0410	0.7380
4	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.0000	0.1110	0.4440
12	MS-AF7	Addressable Double Action Pull Station	0.0036	0.0100	0.1200
9	SD	Gamewell-FCI #ASD-PL2F Analog Addressable Smoke Sensor (Ceiling)	0.0027	0.0065	0.0585
8	HD	Gamewell-FCI #ATD-L2F Addressable Thermal Sensor (Ceiling)	0.0024	0.0065	0.0520
17	AM	Gamewell-FCI #AMM-4F Addressable Monitor Module	0.0064	0.0050	0.0850
11	CR	Gamewell-FCI #AOM-2SF Addressable Control Module	0.0041	0.0065	0.0715
2	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0200	0.0500	0.1000
		VOICE EVACUATION SYSTEM SPEAKERS	SPEAKER WATTAGE		
61	SP-1/4W	Voice Evacuation Speakers (1W) Gamewell - FCI E60	0.2500		0.6354
34	SP-1/2W	Voice Evacuation Speakers (8W) Outdoor Gamewell - FCI ET1010	0.5000		0.7083
9	SP-1W	Voice Evacuation Speakers (1W) Gamewell - FCI E60	1.0000		0.3750
0	SP-2W	Voice Evacuation Speakers (8W) Outdoor Gamewell - FCI ET1010	2.0000		0.0000
		TOTALS	1.1232	3.9655	15.5308

TOTAL ALARM AMP-HOURS (15 MIN.) =	0.25	HR	x	15.531	A	=	3.8827	A-H
TOTAL STANDBY AMP-HOURS (24 HRS) =	24	HR	x	1.123	A	=	26.9568	A-H
TOTAL REQUIRED AMP-HOURS =						=	**30.8395**	**A-H**
TOTAL DESIGN AMP-HOURS WITH 25% SAFETY FACTOR =						=	**38.5494**	**A-H**
BATTERY CAPACITY REQUIREMENTS						=	**48.000**	**A-H**

TOTAL SPEAKER WATTAGE - AMP #1	=	**12.00 W**
REQUIRED AMPLIFIER WATTAGE (+25% INSERTION LOSS FACTOR)	=	**15.00 W**
SPECIFIED AMPLIFIER WATTAGE	=	**50.00 W**
TOTAL SPEAKER WATTAGE - AMP #2	=	**12.60 W**
REQUIRED AMPLIFIER WATTAGE (+25% INSERTION LOSS FACTOR)	=	**15.75 W**
SPECIFIED AMPLIFIER WATTAGE	=	**50.00 W**
TOTAL SPEAKER WATTAGE - AMP #3	=	**12.00 W**
REQUIRED AMPLIFIER WATTAGE (+25% INSERTION LOSS FACTOR)	=	**15.00 W**
SPECIFIED AMPLIFIER WATTAGE	=	**50.00 W**
TOTAL SPEAKER WATTAGE - AMP #4	=	**12.00 W**
REQUIRED AMPLIFIER WATTAGE (+25% INSERTION LOSS FACTOR)	=	**15.00 W**
SPECIFIED AMPLIFIER WATTAGE	=	**50.00 W**

FIRE ALARM BOOSTER PANEL 'FABP-1 BATTERY CALCULATIONS

QTY.	DEVICE	DESCRIPTION	STANDBY CURRENT	ALARM CURRENT/ DEVICE	ALARM CURRENT
1	HPF	Gamewell-FCI #HPF2456 Power Expander	0.0020	0.0020	0.0020
3	SPSRL-15	Speaker Strobe Wall, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0000	0.0430	0.1290
3	SPSRL-75	Speaker Strobe wall, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.0000	0.1070	0.3210
1	SPSRL-110	Speaker Strobe Wall, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.0000	0.1480	0.1480
13	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0000	0.0410	0.5330
2	SPSCRL-30	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 30 cd, 25/70 Vrms, red	0.0000	0.0630	0.1260
3	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.0000	0.1110	0.3330
1	SPSCRL-110	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.0000	0.1580	0.1580
1	SRL-75	Strobe Wall, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.0000	0.1070	0.1070
2	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0200	0.0500	0.1000
		TOTALS	0.0220	0.8300	1.9570

TOTAL ALARM AMP-HOURS (15 MIN.) =	0.25	HR	x	1.957	A	=	0.4893	A-H
TOTAL STANDBY AMP-HOURS (24 HRS) =	24	HR	x	0.022	A	=	0.5280	A-H
TOTAL REQUIRED AMP-HOURS =						=	**1.0173**	**A-H**
TOTAL DESIGN AMP-HOURS WITH 25% SAFETY FACTOR =						=	**1.2716**	**A-H**
BATTERY CAPACITY REQUIREMENTS							**7.000**	**A-H**

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

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STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
FIRE ALARM SYSTEM BATTERY, VOLTAGE DROP, AND dB LOSS CALCULATIONS

PROJECT NO.
23-12499

DRAWING
E711

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NAC 'N5' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
13	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.5330
2	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.2220
1	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0500	0.0500
		TOTAL CURRENT ADDED TO CIRCUIT		0.805

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **285**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **0.759**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **23.2 VDC**

PERCENT VOLTAGE DROP (%) = **3.16 %**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

NAC 'N6' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
11	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.4510
1	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.1110
1	SPSRL-75	Speaker Strobe wall, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1070	0.1070
1	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0500	0.0500
		TOTAL CURRENT ADDED TO CIRCUIT		0.719

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **185**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **0.440**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **23.6 VDC**

PERCENT VOLTAGE DROP (%) = **1.83 %**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

NAC 'N7' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
6	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.2460
0	SPSRL-15	Speaker Strobe Wall, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0430	0.0000
3	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.3330
1	SPSCRL-115	#N/A	#N/A	#N/A
1	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0500	0.0500
		TOTAL CURRENT ADDED TO CIRCUIT		#N/A

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **225**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **#N/A**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **#N/A**

PERCENT VOLTAGE DROP (%) = **#N/A**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

NAC 'N8' VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCRIPTION	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
5	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0410	0.2050
3	SPSRL-15	Speaker Strobe Wall, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0430	0.1290
2	SPSCRL-30	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 30 cd, 25/70 Vrms, red	0.0630	0.1260
1	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.1110	0.1110
3	SPSRL-110	Speaker Strobe Wall, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.1480	0.4440
1	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0500	0.0500
		TOTAL CURRENT ADDED TO CIRCUIT		1.065

LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) = **355**
ACTUAL SIZE OF WIRE INSTALLED = **12** AWG **6530** CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) = **1.251**

CIRCUIT VOLTAGE CALCULATED AT
LAST DEVICE (IN VDC) = **22.7 VDC**

PERCENT VOLTAGE DROP (%) = **5.21 %**

VOLTAGE DROP FORMULA:
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT
WIRE SIZE IN C.M.
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).

FIRE ALARM BOOSTER PANEL 'FABP-2' BATTERY CALCULATIONS

QTY.	DEVICE	DESCRIPTION	STANDBY CURRENT	ALARM CURRENT/ DEVICE	ALARM CURRENT
1	HPF	Gamewell-FCI #HPF2456 Power Expander	0.0020	0.0020	0.0020
3	SPSRL-15	Speaker Strobe Wall, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0000	0.0430	0.1290
1	SPSRL-75	Speaker Strobe wall, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.0000	0.1070	0.1070
1	SPSRL-110	Speaker Strobe Wall, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.0000	0.1480	0.1480
35	SPSCRL-15	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 15 cd, 25/70 Vrms, red	0.0000	0.0410	1.4350
2	SPSCRL-30	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 30 cd, 25/70 Vrms, red	0.0000	0.0630	0.1260
7	SPSCRL-75	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 75 cd, 25/70 Vrms, red	0.0000	0.1110	0.7770
3	SPSCRL-110	Speaker Strobe Ceiling, 24 VDC, Multi-Candela, 110 cd, 25/70 Vrms, red	0.0000	0.1580	0.4740
4	MDL3R	Sync Module, two circuit Class B, 24 VDC	0.0400	0.0500	0.2000
		TOTALS	0.0420	0.7230	3.3980

TOTAL ALARM AMP-HOURS (15 MIN.) = 0.25 HR x 3.398 A = 0.8495 A-H
TOTAL STANDBY AMP-HOURS (24 HRS) = 24 HR x 0.042 A = 1.0080 A-H
TOTAL REQUIRED AMP-HOURS = = **1.8575 A-H**
TOTAL DESIGN AMP-HOURS WITH 25% SAFETY FACTOR = = **2.3219 A-H**
BATTERY CAPACITY REQUIREMENTS **7.000 A-H**

dB LINE LOSS CALCULATION

SPEAKER VOLTAGE = 24

SPEAKERS	DEVICE POWER (WATTS)	SIGNAL CKT S5 QTY.	SIGNAL CKT S5 WATTS	SIGNAL CKT S6 QTY.	SIGNAL CKT S6 WATTS	SPEAKER QTY TOTAL	MIN. AMPLIFIER SIZE (WATTS)
SPEAKER - 1/4 WATT TAP	0.25	6	1.5	10	2.5	16	
SPEAKER - 1/2 WATT TAP	0.5	9	4.5	3	1.5	12	
SPEAKER - 1 WATT TAP	1	0	0	0	0	0	**12**
SPEAKER - 2 WATT TAP	2	0	0	0	0	0	
TOTAL POWER ON CKT (P) WATTS		6		4			
LOAD RESISTANCE (LR) OHMS		96		144			
TOTAL WIRE LENGTH (D) FT		300		200			
WIRE SIZE		14 AWG		14 AWG			
TOTAL WIRE RESISTANCE (WR) OHMS		1.956		1.304			
POWER LOSS (PL) dB		**-0.09**		**-0.04**			

FORMULAS

WIRE RESISTANCE (R) (OHMS/Kft)*		
18 AWG	=	8.08
16 AWG	=	5.08
14 AWG	=	3.26
12 AWG	=	2.05

*VALUES PER NFPA 70

TOTAL WIRE RESISTANCE (WR) = (R / 1000) * D
LOAD RESISTANCE (LR) = (SPEAKER VOLTAGE)^2 / P
POWER LINE LOSS (PL) = 10 * LOG (1- (WR / (WR+LR)))

dB LINE LOSS CALCULATION

SPEAKER VOLTAGE = 24

SPEAKERS	DEVICE POWER (WATTS)	SIGNAL CKT S7 QTY.	SIGNAL CKT S7 WATTS	SIGNAL CKT S8 QTY.	SIGNAL CKT S8 WATTS	SPEAKER QTY TOTAL	MIN. AMPLIFIER SIZE (WATTS)
SPEAKER - 1/4 WATT TAP	0.25	6	1.5	4	1	10	
SPEAKER - 1/2 WATT TAP	0.5	3	1.5	10	5	13	
SPEAKER - 1 WATT TAP	1	1	1	0	0	1	**12**
SPEAKER - 2 WATT TAP	2	0	0	0	0	0	
TOTAL POWER ON CKT (P) WATTS		4		6			
LOAD RESISTANCE (LR) OHMS		144		96			
TOTAL WIRE LENGTH (D) FT		225		370			
WIRE SIZE		14 AWG		14 AWG			
TOTAL WIRE RESISTANCE (WR) OHMS		1.467		2.4124			
POWER LOSS (PL) dB		**-0.05**		**-0.11**			

FORMULAS

WIRE RESISTANCE (R) (OHMS/Kft)*		
18 AWG	=	8.08
16 AWG	=	5.08
14 AWG	=	3.26
12 AWG	=	2.05

*VALUES PER NFPA 70

TOTAL WIRE RESISTANCE (WR) = (R / 1000) * D
LOAD RESISTANCE (LR) = (SPEAKER VOLTAGE)^2 / P
POWER LINE LOSS (PL) = 10 * LOG (1- (WR / (WR+LR)))

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COLLEGE OF THE SEQUOIAS
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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
FIRE ALARM SYSTEM BATTERY, VOLTAGE DROP, AND dB LOSS CALCULATIONS

PROJECT NO.
23-12499

DRAWING
E712

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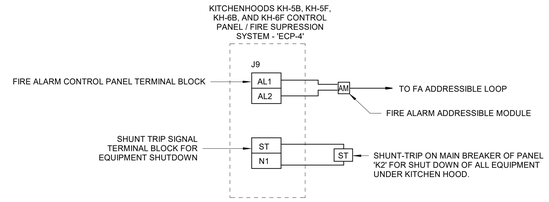
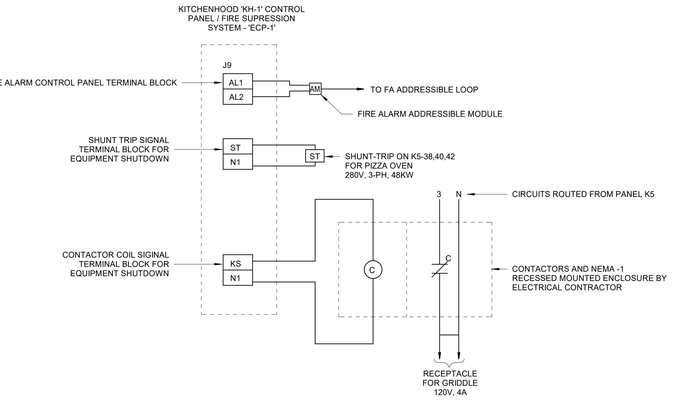


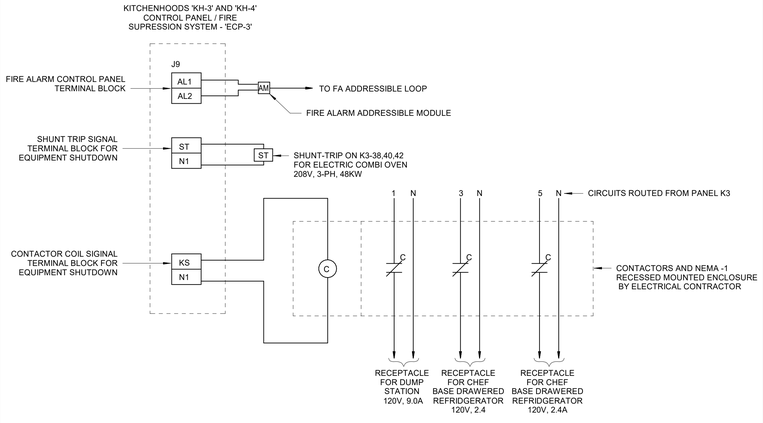
EMERGENCY SHUT-DOWN OF UNDER-KITCHEN HOOD 'KH-5B', 'KH-5F', 'KH-6B', & 'KH-6F' ELECT. APPLIANCES N.T.S. 4



EMERGENCY SHUT-DOWN OF UNDER-KITCHEN HOOD 'KH-1' ELECTRICAL APPLIANCES N.T.S. 1

EMERGENCY SHUT-DOWN OF UNDER-KITCHEN HOOD 'KH-7' ELECTRICAL APPLIANCES N.T.S. 5

EMERGENCY SHUT-DOWN OF UNDER-KITCHEN HOOD 'KH-2' ELECTRICAL APPLIANCES N.T.S. 2



EMERGENCY SHUT-DOWN OF UNDER-KITCHEN HOOD 'KH-3' AND 'KH-4' ELECTRICAL APPLIANCES N.T.S. 3

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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ELECTRICAL DETAILS - CONTACTOR DIAGRAMS

PROJECT NO.
23-12499

DRAWING
E720

PLOT DATE: 8/13/2026 11:08:08 AM

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CODES, RULES & REGULATIONS

ALL WORK SHOWN HEREIN SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA BUILDING CODE, TITLES 8 AND 19 THROUGH 24, SERVING UTILITY RULES AND ALL OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE CODES, RULES AND REGULATIONS. WHERE WORK OF A GREATER DEGREE IS INDICATED IN THESE PLANS OR SPECIFICATIONS, THAT REQUIREMENT SHALL GOVERN SUCH WORK.

C.E.C. TITLE 24 COMPLIANCE

THE LIGHTING AND LIGHTING CONTROL SYSTEMS DESIGN DEPICTED HEREIN IS IN COMPLIANCE WITH REQUIREMENTS OF THE CURRENT CALIFORNIA ENERGY COMMISSION EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS.

GENERAL NOTES (TYPICAL)

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED ELECTRICAL EQUIPMENT.
2. REFER TO THE MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT.
3. VERIFY THE EXACT LOCATION OF ALL FLOOR BOXES AND ASSOCIATED TRENCH, BACKFILL AND SAWCUTTING REQUIREMENTS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ROUGH -IN WORK FOR THIS EQUIPMENT.
4. COORDINATE ELECTRICAL PANEL AND TERMINAL CABINET LOCATIONS AND ROUTING OF UNDERGROUND CONDUITS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT.
5. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES WHOSE WORK WILL IMPACT PLACEMENT OR CONNECTION OF ELECTRICALLY POWERED EQUIPMENT REGARDLESS OF RESPONSIBILITY FOR SUPPLYING EQUIPMENT.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH SPECIFIC NOTES AND DETAILS.

GENERAL NOTES N.T.S. 28

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	FIXTURE VOLTAGE	FIXTURE WATTAGE	MOUNTING	DRIVER & COLOR TEMP	DESCRIPTION	MANUFACTURER	CATALOG #
A1	277 V	31	RECESSED PER 13/E602	LED - 4000K	2X4 RECESSED LIGHT FIXTURE - NLIGHT ENABLED	LITHONIA	2BLT4-30L-ADSM-MVOLT-EZ1-LP840-N80
A1E	277 V	31	RECESSED PER 13/E602	LED - 4000K	2X4 RECESSED LIGHT FIXTURE NLIGHT ENABLED WITH INTEGRAL EMERGENCY BACKUP	LITHONIA	2BLT4-40L-ADSM-MVOLT-EZ1-LP840-N80-E10WLCP
A2	277 V	64	RECESSED PER 13/E602	LED - 4000K	2X4 RECESSED LIGHT FIXTURE - NSF RATED	LC DOANE	RXC-24-2W90-40-80-W-S-W-VAR-DM-122-NS
A2E	277 V	64	RECESSED PER 13/E602	LED - 4000K	2X4 RECESSED LIGHT FIXTURE WITH INTEGRAL EMERGENCY BACKUP - NSF RATED	LC DOANE	RXC-24-2W90-40-80-W-S-W-VAR-DM-122-NS-EM
A3	277 V	27	RECESSED PER 13/E602	LED - 4000K	2X2 RECESSED LIGHT FIXTURE	LITHONIA	2BLT2-33L-ADSM-MVOLT-EZ1-LP840
A3E	277 V	27	RECESSED PER 13/E602	LED - 4000K	2X2 RECESSED LIGHT FIXTURE WITH INTEGRAL EMERGENCY BATTERY BACKUP	LITHONIA	2BLT2-33L-ADSM-MVOLT-EZ1-LP840-E10WLSP
B1	277 V	27	SURFACE MOUNT PER 19/E602	LED - 4000K	1X4 SURFACE MOUNT LIGHT FIXTURE	LITHONIA	STL4-30L-EZ1-LP840
B1E	277 V	27	SURFACE MOUNT PER 19/E602	LED - 4000K	1X4 SURFACE MOUNT LIGHT FIXTURE WITH INTEGRAL EMERGENCY BACKUP	LITHONIA	STL4-30L-EZ1-LP840-E10WLCP
B2	277 V	27	STRUT MOUNT 18/E602	LED - 4000K	1X4 STRUT MOUNT LIGHT FIXTURE NLIGHT ENABLED	LITHONIA	STL4-30L-EZ1-LP840-N80
B2E	277 V	27	STRUT MOUNT 18/E602	LED - 4000K	1X4 STRUT MOUNT LIGHT FIXTURE NLIGHT ENABLED WITH INTEGRAL EMERGENCY BACKUP	LITHONIA	STL4-30L-EZ1-LP840-N80-E10WLCP
B3	277 V	27	STRUT MOUNT 18/E602	LED - 4000K	1X4 STRUT MOUNT LIGHT FIXTURE	LITHONIA	STL4-30L-EZ1-LP840
B3E	277 V	27	STRUT MOUNT 18/E602	LED - 4000K	1X4 STRUT MOUNT LIGHT FIXTURE WITH INTEGRAL EMERGENCY BACKUP	LITHONIA	STL4-30L-EZ1-LP840-E10WLCP
C1	277 V	38	RECESSED PER 11/E602	LED - 4000K	6" RECESSED CAN LIGHT - WET LOCATION RATED	LITHONIA	LDN6-30LM-40K-L06-AR-LSS-MVOLT-D10
C1E	277 V	38	RECESSED PER 11/E602	LED - 4000K	6" RECESSED CAN LIGHT - WET LOCATION RATED	LITHONIA	LDN6-30LM-40K-L06-AR-LSS-MVOLT-D10
C2	277 V	26	RECESSED PER 11/E602	LED - 4000K	4" ROUND DOWNLIGHT	LITHONIA	LDN4-10LM/40/L04-AR-LSS-MVOLT-EZ1
C4	277 V	32	RECESSED PER 9/E602	LED - 4000K (0-10VDC DIMMING)	4' RECESSED LINEAR (T-GRID)	MARK	SL4L-LOP-4FT-FLP-TG-80CRI-40K-800LMF-MIN10-277-NLIGHT
C4E	277 V	32	RECESSED PER 9/E602	LED - 4000K (0-10VDC DIMMING)	4' RECESSED LINEAR W/ INTEGRAL EMERGENCY BATTERY PACK (T-GRID)	MARK	SL4L-LOP-4FT-FLP-TG-80CRI-40K-800LMF-MIN10-277-E10WLCP-NLIGHT
D1	277 V	48	SURFACE PER 16/E602	LED -4000K	8' LED STRIP LIGHT	LITHONIA	ZL1N-L96-6000LM-MVOLT-40K-80CR
D1E	277 V	48	SURFACE PER 16/E602	LED -4000K	8' LED STRIP LIGHT	LITHONIA	ZL1N-L96-6000LM-MVOLT-40K-80CRI-E15WLCP
H1	277 V	5	RECESSED PER 4/E602	LED - 4000K	STEP LIGHT 6"	HYDRELL	HSL13-6"-LED-4000K-MVOLT-L-****
LL1	277 V	21	MOUNT PER 17/E602	LED -4000K	FLOOD LIGHT WITH TOP MOUNTED UBV VISOR WITH VANDAL GUARD	LITHONIA	DSXF1 LED-P1-4000K-WFL-MVOLT-THK-DBLXD - UBV VISOR-VG
LL2	277 V	21	WALL MOUNT PER PLAN	LED - 4000K	BUILDING FACADE LIGHT	HYDREL	4750L-4FT-500LMF-40K-MVOLT-MFL-KM-EA18-H/SR-CSL10-ZT-BL
P1	277 V	58	PENDANT PER 25/E603	LED - 4000K	PENDANT LIGHT FIXTURE 24" ROUND WITH 18" STEM - NLIGHT AIR	LUMINIS	PR2282-L1L65-40K-277-NLTAIR2-CF22-STM-STC-18IN-FS-BC22-WG22-*-RP
P1E	277 V	58	PENDANT PER 25/E603	LED - 4000K	PENDANT LIGHT FIXTURE 24" ROUND - NLIGHT AIR EMERGENCY	LUMINIS	PR2282-L1L65-40K-277-NLTAIR2EM-CF22-STM-STC-36IN-FS-BC22-WG22-*-RP
P2	277 V	35	PENDANT PER 12/E602	LED - 4000K	6" LED PENDANT CAN LIGHT WITH 3' STEM	LITHONIA	LDN6CYL-40K/30/L06AR-LSS-MVOLT-GZ10-PM-DBL
P2E	277 V	35	PENDANT PER 12/E602	LED - 4000K	6" LED PENDANT CAN LIGHT WITH 3' STEM	LITHONIA	LDN6CYL-40K/30/L06AR-LSS-MVOLT-GZ10-PM-DBL
P3	277 V	79	PENDANT PER 25/E603	LED - 4000K	PENDANT LIGHT FIXTURE 24" ROUND WITH 18" STEM - NLIGHT AIR	LUMINIS	PR2282-L1L85-40K-277-NLTAIR2-CF22-STM-STC-18IN-FS-BC22-WG22-*-RP
P3E	277 V	79	PENDANT PER 25/E603	LED - 4000K	PENDANT LIGHT FIXTURE 24" ROUND WITH 18" STEM WITH NLIGHT AIR EMERGENCY	LUMINIS	PR2282-L1L85-40K-277-NLTAIR2EM-CF22-STM-STC-18IN-FS-BC22-WG22-*-RP
P4	277 V	30	PENDANT PER 12/E602	LED - 4000K	PENDANT LIGHT FIXTURE WITH 18" STEM	ANP LIGHTING	BEL08-AM30W-D-40K-SRTCC-3ST18- *FINISH BRASS (RAL 0807050)
S1	277 V	68	POLE PER 6/E602	LED - 4000K	SINGLE HEAD POLE MOUNTED SITE LIGHT NLIGHT AIR ENABLED + 15' x 5" ROUND STRAIGHT STEEL POLE WITH EXTRA HANDHOLE	LITHONIA	DSX1 LED-P2-40K-80CRI-AFR-MVOLT-RPA-NLTAIR2 PIRHN-HS-EGSR-DDBXD
S2A	277 V	136	POLE PER 6/E602	LED - 4000K	DUAL FIXTURE HEAD (90 DEGREE) MOUNTED 15' SITE LIGHT POLE	LITHONIA	DSX1 LED-P2-40K-80CRI-T3M-MVOLT-SPA-*
S2B	277 V	136	POLE PER 2/E602	LED - 4000K	DUAL FIXTURE HEAD (90 DEGREE) MOUNTED 20' SITE LIGHT POLE	LITHONIA	DSX1 LED-P2-40K-80CRI-T3M-MVOLT-RPA-NLTAIR2 PIRHN-*
S2C	277 V	136	POLE PER 6/E602	LED - 4000K	DUAL FIXTURE HEAD (180 DEGREE) MOUNTED 15' SITE LIGHT POLE	LITHONIA	DSX1 LED-P2-40K-80CRI-T3M-MVOLT-RPA-NLTAIR2 PIRHN-*
S2D	277 V	136	POLE PER 2/E602	LED - 4000K	DUAL FIXTURE HEAD (180 DEGREE) MOUNTED 20' SITE LIGHT POLE	LITHONIA	DSX1 LED-P2-40K-80CRI-T3M-MVOLT-RPA-NLTAIR2 PIRHN-*
S2F	277 V	136	POLE PER 2/E602	LED - 4000K	DUAL FIXTURE HEAD (180 DEGREE) MOUNTED 25' SITE LIGHT POLE	LITHONIA	DSX1 LED-P2-40K-80CRI-T3M-MVOLT-RPA-NLTAIR2 PIRHN-*
S5	277 V	39	BOLLARD PER 19/E602	LED - 4000K	SITE BOLLARD	LITHONIA	DSXB LED-16C-530-40K-SYM-MVOLT-* VERIFY FINISH WITH ARCHITECT
T1	277 V	37	WALL PER 23/E602	LED - 4000K	TRAC-LITE DIRECT CANOPY MOUNT	JUNO	R612L-CPY-40K-80CRI-MVOLT-SP-BL
U1	277 V	12	INGRADE PER 22/E602	LED - 4000K	6" LED IN-GRADE FIXTURE (COLUMN)	HYDREL	IGF6-SS-LED-P1-80CRI-40K-MVOLT-7DEG-5T-FLCSR-34S-ISS-ZT-BL
U2	277 V	51	INGRADE PER DETAIL 24/E602	LED - 4000K (0-10VDC DIMMING)	RECESSED 4' LINEAR INGRADE LIGHT FIXTURE WITH 32IN JUMPER AND ANTI-VANDAL TORX HEAD AND SUCTION CUP TOOL FOR FIXTURE REMOVAL	TARGETTI	JE-R-41-WW-48-40-L-LV-HE41LEAD-25-1US2751-1E3182-1E0388
U3	277 V	12	INGRADE PER 22/E602	LED - 4000K	6" LED IN-GRADE FIXTURE	HYDREL	IGF6-SS-LED-P1-80CRI-40K-MVOLT-30DEG-0T-FLCSR-34S-IHL-ZT-BL
W1	277 V	19	WALL MOUNT PER PLAN	LED - 4000K	SYRIOS SQUARE WALL MOUNTED LIGHT FIXTURE	LUMINIS	SQP600-L1L25-L03-40K-MVOLT-ESL-SWK-MST
W1E	277 V	26	WALL MOUNT PER PLAN	LED - 4000K	SYRIOS SQUARE WALL MOUNTED LIGHT FIXTURE WITH REMOTE EMERGENCY BATTERY BACKUP	LUMINIS	SQP600-L1L25-L03-40K-MVOLT-ESL-SWK-REM7-MST
W2E	277 V	31	WALL MOUNT PER PLAN	LED - 4000K	SYRIOS SQUARE WALL MOUNTED UPDOWN LIGHT FIXTURE AT 15'	LUMINIS	SQ602-L2L15-VWD-40K-MVOLT-SWK-LSL-AR180-MST
W3E	277 V	18	WALL PER PLAN	LED - 4000K	2' WALL MOUNTED LIGHT FIXTURE	LITHONIA	DMW2-L24-3000LM-PCL-WD-MVOLT-GZ10-40K-80CRI-E10WCP
W4	277 V	12	WALL PER PLAN	LED -4000K	BELL LIGHTING FIXTURE WITH ARM MOUNT	ANP LIGHTING	MC18-AM20W-RTCW-E3-100GLCL-CUSTOM
W6E	277 V	35	WALL MOUNT PER PLAN	LED - 4000K	MULLION MOUNT LED - 48"	LUMINAIRE LED	BLD-48IN-NODIM-35W-40K-MVOLT-SIL
W7E	277 V	20	WALL MOUNT PER PLAN	LED -4000K	MULLION MOUNT LED - 24"	LUMINAIRE LED	BLD-24IN-NODIM-20W-40K-MVOLT-SIL
W8	277 V	30	WALL PER PLAN	LED - 4000K	WALLPACK	PATHFINDER	52527
W8E	277 V	30	WALL PER PLAN	LED - 4000K	WALLPACK	PATHFINDER	52527
X1	277 V	1	UNIVERSAL	LED	EXIT SIGN - WALL MOUNTED	LITHONIA	LE-S-1-G-ELN-SD
X1C	277 V	1	UNIVERSAL	LED	EXIT SIGN - CEILING MOUNTED	LITHONIA	LE-S-2-G-ELN-SD
X2C	277 V	1	UNIVERSAL	LED	DUAL FACE EXIT SIGN - CEILING MOUNTED	LITHONIA	LE-S-2-G-ELN-SD
X3	277 V	1	UNIVERSAL	LED	EXIT SIGN - RATED FOR WET LOCATION	HALOPHANE	DLTLX-S-W-1-G-120/277-ELN--UM-4X

LIGHTING FIXTURE SCHEDULE N.T.S. 12

TELECOMMUNICATION CABLE SCHEDULE

CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
'D'	4 UTP #23 AWG CATEGORY 6 CMP PLENUM RATED	BERK-TEK LANMARK-1000	BLUE	DATA	HORIZONTAL DATA CABLE - INTERIOR
'D10'	4 UTP #23 AWG CATEGORY 6A CMP PLENUM RATED	BERK-TEK LANMARK-10G2	ORANGE	DATA (WAP)	HORIZONTAL DATA WAP CABLE - INTERIOR
'DX'	4 UTP #24 AWG CATEGORY 6 FILLED OUTDOOR	COMMSCOPE MEDIA 6 #6NF4+	BLACK	DATA	HORIZONTAL DATA CABLE - OUTDOOR
'FO'	72-STRAND SINGLE-MODE FIBER OPTIC CABLE	CORNING ALTOS LOOSE TUBE OS2 072EU4-T4101D20	BLACK	DATA	SITE OPTICAL FIBER DATA NETWORK

CABLE SCHEDULE N.T.S. 14

EMERGENCY LIGHTING INVERTER SCHEDULE

DESIGNATION	MANUFACTURER	MODEL NUMBER	OUTPUT POWER (W)	INPUT VOLTAGE	OUTPUT VOLTAGE	WEIGHT (lbs.)	DIMENSIONS	BATTERY TYPE	NOTES
'INV1'	IOTA	IIS375	375	277	277	114	23"W x 17.8"H x 8.2"D	VALVE REGULATED LEAD ACID	1,2
'INV2'	IOTA	IIS550	550	277	277	232	23"W x 17.8"H x 8.2"D	VALVE REGULATED LEAD ACID	1,2
'INV3'	IOTA	IIS250	250	277	277	65.5	19.15"W x 11.6"H x 7.64"D	VALVE REGULATED LEAD ACID	1,2
'INV4'	IOTA	IIS250	250	277	277	65.5	19.15"W x 11.6"H x 7.64"D	VALVE REGULATED LEAD ACID	1,2

NOTES:
1. EMERGENCY LIGHTING INVERTER SHALL BE UL 924 LISTED AND CALIFORNIAL TITLE 20 COMPLIANT.
2. INVERTER MOUNTING PER DETAIL 14/E602.

EMERGENCY LIGHTING INVERTER SCHEDULE N.T.S. 15

ELECTRICAL SYMBOL LEGEND

DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED
NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
E.P.	DENOTES EXPLOSION PROOF CONSTRUCTION	$_a	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N. — LOWER CASE SUBSCRIPT INDICATES CONTROLLED SWITCHLEG OF CIRCUIT
D.T.	DENOTES DUST TIGHT CONSTRUCTION	$_2	TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
O.C.	DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE	$_3	THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
R.T.	DENOTES RAIN TIGHT CONSTRUCTION	$_4	FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
U.G.	DENOTES UNDERGROUND INSTALLATION	$_M	HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
V.P.	DENOTES VAPOR TIGHT CONSTRUCTION	$_P	SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX U.O.N.
W.P.	DENOTES WEATHERPROOF CONSTRUCTION	$_T	DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX U.O.N.
W.T.	DENOTES WATER TIGHT CONSTRUCTION	$_A	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
A.F.F.	DENOTES ABOVE FINISHED FLOOR	$_K	KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
A.F.G.	DENOTES ABOVE FINISHED GRADE	$_CS	SYSTEM CONTROL SWITCH PER PLANS, @ 48" TO TOP OF BOX U.O.N.
F.B.O.	DENOTES FURNISHED BY OTHERS	$	WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX, U.O.N.
U.O.N.	DENOTES UNLESS OTHERWISE NOTED	M	OCCUPANCY SENSOR - CEILING MOUNTED
(E)	DENOTES EXISTING TO REMAIN, NO WORK U.O.N.	M_W	OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX, U.O.N.
(N)	DENOTES NEW	P	LIGHTING CONTROL SYSTEM DIMMING/POWER PACK MOUNTED IN ATTIC
1	ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET	RP	LIGHTING CONTROL SYSTEM PLUG LOAD RELAY PACK MOUNTED IN ATTIC
A-3	CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4"C. MINIMUM, U.O.N.	C1	LIGHTING CONTROL SYSTEM 3-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N.
1	CIRCUIT FEEDER: DENOTES FEEDER 'F1' PER SYSTEM FEEDER SCHEDULE	C4	LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N.
	CONDUIT IN ATTIC/WALL: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N.	C1L	LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER @ +48" TO TOP OF BOX, U.O.N.
- - -	CONDUIT IN FLOOR/U.G.: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N.	OS	LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED
- - -	DENOTES EXISTING CONDUIT RUN TO REMAIN	NB	LIGHTING CONTROL SYSTEM NETWORK BRIDGE
	CONDUIT RUN - STUBBED, CAPPED AND LABELED.	NG	LIGHTING CONTROL SYSTEM NETWORK GATEWAY
	CONDUIT RUN: DENOTES 3/4"C - 3-#12 AWG CU THWN + 1-#12 CU GND, U.O.N.	AD	LIGHTING CONTROL SYSTEM AUTOMATED DEMAND RESPONSE MODULE
	CONDUIT RUN: DENOTES 3/4"C - 4-#12 AWG CU THWN + 1-#12 CU GND, U.O.N.	TC	LIGHTING CONTROL SYSTEM TIME CLOCK
	CONDUIT RUN: DENOTES 3/4"C - 5-#12 AWG CU THWN + 1-#12 CU GND, U.O.N.	PC	PHOTOCELL CONTROL MOUNTED ON ROOF
	CONDUIT RUN: DENOTES 1"C - 6-#12 AWG CU THWN + 1-#12 CU GND, U.O.N.		
	SEPARATE POWER AND DATA FLOOR BOXES (2)	T	LOW VOLTAGE CONTROL TRANSFORMER
	FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. (2)		
	TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N.		ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL (4)
	TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N.		ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL
	TAMPER-RESISTANT DUPLEX GFI RECEPTACLE IN WALL @ 18", U.O.N.		TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL (5)
WP	TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. (OCC. SENSOR OR WALL SWITCH CONTROLLED)		TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL
WP	TAMPER-RESISTANT WEATHER RESISTANT (W/R) DUPLEX GFCI RECEPTACLE W/ W.P. COVER @+18", U.O.N.		CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
	TAMPER-RESISTANT DUPLEX ISOLATED GROUND RECEPTACLE IN WALL @ +18", U.O.N. (7)		CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
	TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18", U.O.N.		LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
	SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U.O.N.		LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
	DUPLEX RECEPTACLE FLUSH IN CEILING		FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
	TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. ONE UNSWITCHED RECEPTACLE AND ONE SWITCHED (OCC. SENSOR CONTROLLED) RECEPTACLE		FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL
	JUNCTION BOX		
	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	S	EXTERIOR SPEAKER, ELEVATION AS NOTED
	NON-FUSIBLE DISCONNECT SWITCH	S	SPEAKER IN CEILING, U.O.N.
	FUSIBLE DISCONNECT SWITCH	S	SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N.
	FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER		WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N.
	ELECTRIC MOTOR	S	SPEAKER ON WALL @ 12" BELOW CEILING, U.O.N.
	EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR		
	RELAY	MD	INTRUSION ALARM SYSTEM MOTION DETECTOR (3)
	SURFACE MOUNTED RACEWAY, MOUNT @ +18" A.F.F. U.O.N.	DC	INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT (3)
	RECESSED LED LIGHTING FIXTURE	WC	INTRUSION ALARM SYSTEM MAGNETIC WINDOW CONTACT (3)
	RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	GB	INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR (3)
	SURFACE MOUNTED LED LIGHTING FIXTURE	KP	INTRUSION ALARM SYSTEM KEYPAD (3)
	SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	CR	INTRUSION ALARM SYSTEM CARD READER (3)
	SURFACE MOUNTED LED STRIP LIGHT	FR	INTRUSION ALARM SYSTEM FOB READER (3)
	SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY BACKUP	C	SECURITY CAMERA ROUGH-IN LOCATION PER PLAN (3)
	POST TOP MOUNTED LIGHTING FIXTURE		
	WALL MOUNTED LIGHTING FIXTURE	SD	FIRE ALARM SMOKE DETECTOR ON CEILING, U.O.N.
	WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	SM	FIRE ALARM SYNC MODULE
	CEILING MOUNTED LIGHTING FIXTURE	HD	FIRE ALARM HEAT DETECTOR ON CEILING, U.O.N.
	CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	DD	FIRE ALARM DUCT DETECTOR IN HVAC DUCT
	RECESSED LIGHTING FIXTURE	WF	FIRE ALARM WATERFLOW DETECTION SWITCH
	RECESSED FIXTURE WITH EMERGENCY BATTERY BACKUP	WT	FIRE ALARM ADDRESSABLE WATERFLOW / TAMPER SWITCH MODULE
	SURFACE MOUNTED ROUND LIGHTING FIXTURE	TS	FIRE ALARM TAMPER SWITCH
	SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	CC	FIRE ALARM ADDRESSABLE INPUT/OUTPUT MODULE
	ILLUMINATED EXIT SIGN MOUNTED ON CEILING	CR	FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE
	ILLUMINATED EXIT SIGN MOUNTED ON WALL	DR	FIRE ALARM DOOR RELEASE
	LOW LEVEL PHOTOLUMINESCENT EXIT SIGN MOUNTED ON WALL	AM	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
	POLE MOUNTED EXTERIOR LIGHTING FIXTURE	F	FIRE ALARM MANUAL PULL STATION @ +48" TO TOP OF BOX, U.O.N.
2/2	COMBINATION VOICE AND DATA OUTLET IN WALL WITH TWO 'D' CABLES TO IDF + TWO 'T' CABLES TO TELEPHONE BACKBOARD (1) (6)	V	FIRE ALARM VISUAL ALARM UNIT @ +80" MINIMUM, U.O.N.
X	DATA OUTLET IN WALL @ +18" U.O.N. WITH 'D' CABLES TO IDF OR MDF (SUBSCRIPT INDICATES

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PANEL: MSB

NEW MAIN SWITCHBOARD
QED2 STYLE

BUS: 2000 AMP BUS
VOLTAGE: 277/480V, 3 PH, 4 W
NEUTRAL: 100% RATED NEUTRAL

MAIN: 2000A CB GFP
TRIP: ELECTRONIC LSIG
A.I.C.: 65 kAIC

LOCATION: ELECTRICAL YARD
MOUNTING: PAD PER DETAIL 1/E600
ENCLOSURE: NEMA 3R

CIRCUIT		BREAKER			VOLT-AMPERES			
CKT NO.	PNL SPACE	AMP	POLE	SERVES	LOAD	A	B	C
1	1	60	3	SURGE PROTECTIVE DEVICE (SPD) 240kA	0	0		
					0		0	
					0			0
2	2	1000	3	SWITCHBOARD 'DPH' (NEW STUDENT UNION)	210330	210330		
					214142		214142	
					216907			216907
3	3	40	3	MINIPOWER ZONE 'MPZ'	1180	1180		
					1180		1180	
					1180			1180
4	4	175	3	SPARE	0	0		
					0		0	
					0			0
5	5	450	3	SPARE	0	0		
					0		0	
					0			0
6	6	350	3	SPARE	0	0		
					0		0	
					0			0
7	7	450	3	CHILLER 'CH-1'	117171	117171		
					117171		117171	
					117171			117171
8	8	25	3	PUMP '1A'	3047	3047		
					3047		3047	
					3047			3047
9	9	25	3	PUMP '1B'	3047	3047		
					3047		3047	
					3047			3047
10	10	15	3	PUMP '2A'	837	837		
					837		837	
					837			837
11	11	15	3	PUMP '2B'	837	837		
					837		837	
					837			837
				TOTAL CONNECTED LOAD (VA) :		336449	340261	343026
				25% LCL/LML (VA) :		2393	2393	2393
				TOTAL CALCULATED LOAD (VA) :		338842	342654	345419
				TOTAL CALCULATED LOAD (AMPS) :		1223.3	1237.0	1247.0

PANEL: DPH

NEW I-LINE DISTRIBUTION SWITCHBOARD

BUS: 1000 AMP BUS
VOLTAGE: 277/480V, 3 PH, 4 W
NEUTRAL: 100% RATED NEUTRAL

MAIN: 1000A CB...
TRIP: ELECTRONIC LSIG
A.I.C.: 65 kAIC

LOCATION: ELECTRICAL ROOM 132
MOUNTING: PAD PER DETAIL 1/E601
ENCLOSURE: NEMA 1 (I-LINE 44"W x 9.5"D)

CIRCUIT		BREAKER			VOLT-AMPERES			
CKT NO.	PNL SPACE	AMP	POLE	SERVES	LOAD	A	B	C
1	1	30	3	SURGE PROTECTIVE DEVICE (SPD) 120kA	0	0		
					0		0	
					0			0
2	2	150	3	PANEL 'L1'	6588	6588		
					6193		6193	
					9053			9053
3	3	150	3	SPARE	0	0		
					0		0	
					0			0
4	4	350	3	TRANSFORMER 'TDPL' (TO PANEL 'DPL')	49605	49605		
					52887		52887	
					55610			55610
5	5	600	3	PANEL 'ACH2'	54520	54520		
					54520		54520	
					54520			54520
6	6	225	3	SPARE	0	0		
					0		0	
					0			0
7	7	90	3	ELEVATOR (WITH SHUNT-TRIP)	18005	18005		
					18005		18005	
					18005			18005
8	8	450	3	TRANSFORMER 'TDPK' (TO PANEL 'DPK')	81612	81612		
					82537		82537	
					79719			79719
				TOTAL CONNECTED LOAD (VA) :		210329	214142	216907
				25% LCL/LML (VA) :		0	0	0
				TOTAL CALCULATED LOAD (VA) :		210330	214142	216907
				TOTAL CALCULATED LOAD (AMPS) :		759.3	773.1	783.1

PANEL: L1

NEW LIGHTING PANELBOARD

150 AMP BUS
277/480V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 150A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: ELECTRICAL ROOM 132
MOUNTING: SURFACE PER DETAIL 8/E601
ENCLOSURE: NEMA 1

CIRCUIT		BREAKER			VOLT-AM...						BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE	SERVES	LOAD	A	B	C	LOAD	SERVES	AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	LIGHTING - ELECTRICAL ROOM 132	54	1394			1340	LTG-RM 115-118,135-138,140,141	20	1	2	2
3	3	20	1	LIGHTING - COMM ROOM 139	108		2864		2756	LTG - RM 110-115,119-125,128,129	20	1	4	4
5	5	20	1	LIGHTING - MECH ROOM	81			2015	1934	LIGHTING - ROOM 100-105	20	1	6	6
7	7	20	1	LIGHTING - ELEV MACH RM 117A	27	27			0	SPARE	20	1	10	10
9	9	20	1	LIGHTING - ELEVATOR PIT	18		18		0	SPARE	20	1	10	10
11	11	20	1	LIGHTING INVERTER 'INV1'	260			260	0	SPARE	20	1	12	12
13	13	20	1	LIGHTING INVERTER 'INV3'	70	70			0	SPARE	20	1	14	14
15	15	20	1	SPARE	0		0		0	SPARE	20	1	16	16
17	17	20	1	SPARE	0			0	0	SPARE	20	1	18	18
19	19	20	1	SPARE	0	0			0	SPARE	20	1	20	20
21	21	20	1	SPARE	0		0		0	SPARE	20	1	22	22
23	23	20	1	SPARE	0			0	0	SPARE	20	1	24	24
25	25	20	1	SPARE	0	0			0	SPARE	20	1	26	26
27	27	20	1	SPARE	0		120		120	LTG - EXT BLD SIGN	20	1	28	28
29	29	20	1	SPARE	0			1564	1564	LIGHTING - SITE POLES	20	1	30	30
31	31	20	1	SPARE	0	468			468	LTG - EXT BOLLARD, SIGN, INGRADE	20	1	32	32
33	33	20	1	SPARE	0		588		588	LTG - EXT FRONT CAN, BALC, W...	20	1	34	34
35	35	20	1	SPARE	0			422	422	LIGHTING - EXTERIOR BLD FACADE	20	1	36	36
37	37	20	1	SPARE	0	4156			4156				38	38
39	39	20	1	SPARE	0		1705		1705	PANEL 'L2'	100	3	40	40
41	41	20	1	SPARE	0			3726	3726				42	42
				TOTAL CONNECTED LOAD (VA) :		6115	5295	7987						
				25% LCL/LML (VA) :		472	898	1065						
				TOTAL CALCULATED LOAD (VA) :		6588	6193	9053	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		23.8	22.4	32.7	21833 VA					

PANEL: L2

NEW LIGHTING PANELBOARD

100 AMP BUS
277/480V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 100A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: ELECTRICAL ROOM 216
MOUNTING: SURFACE PER DETAIL 8/E601
ENCLOSURE: NEMA 1

CIRCUIT		BREAKER			VOLT-AM...						BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE	SERVES	LOAD	A	B	C	LOAD	SERVES	AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	LIGHTING - ELECTRIC ROOM 216	54	2109			2055	LTG - DINING, ASG201 COR 200A&B	20	1	2	2
3	3	20	1	LIGHTING - COMM. ROOM 215	108		964		856	LTG-RM 212-214, 217-217F,COR 218	20	1	4	4
5	5	20	1	LIGHTING - RM 204-208, COR...	1427			2837	1410	LIGHTING - RM 209-211	20	1	6	6
7	7	20	1	LIGHTING - RM 202, COR 203	862	1216			354	LIGHTING INVERTER 'INV2'	20	1	8	8
9	9	20	1	SPARE	0		500		500	NLIGHT AIR SWITCH	20	1	10	10
11	11	20	1	SPARE	0			180	180	LIGHTING INVERTER 'INV4'	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPARE	20	1	14	14
15	15	20	1	SPARE	0		0		0	SPARE	20	1	16	16
17	17	20	1	SPARE	0			0	0	SPARE	20	1	18	18
19	19	20	1	SPARE	0	0			0	SPARE	20	1	20	20
21	21	20	1	SPARE	0		0		0	SPARE	20	1	22	22
23	23	20	1	SPARE	0			0	0	SPARE	20	1	24	24
				TOTAL CONNECTED LOAD (VA) :		3325	1464	3017						
				25% LCL/LML (VA) :		831	241	709						
				TOTAL CALCULATED LOAD (VA) :		4156	1705	3726	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		15.0	6.2	13.5	9588 VA					

PANEL: ACH2

NEW PANELBOARD

400 AMP BUS
277/480V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 400A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: ELECTRICAL ROOM 216
MOUNTING: SURFACE MOUNT PER DETAIL 8/E601
ENCLOSURE: NEMA 1

CIRCUIT		BREAKER			VOLT-AMPERES						BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE	SERVES	LOAD	A	B	C	LOAD	SERVES	AMP	POLE	PNL SPACE	CKT NO.
1	1				13856	13856			0				2	2
3	3	60	3	AIR HANDLER UNIT 'AH-1'	13856		13856		0	SPARE	30	3	4	4
5	5				13856			13856	0				6	6
7	7				17728	17728			0				8	8
9	9	90	3	AIR HANDLER UNIT 'AH-2'	17728		17728		0	SPARE	60	3	10	10
11	11				17728			17728	0				12	12
13	13				4377	4377			0	SPARE	20	1	14	14
15	15	25	3	AIR HANDLER UNIT 'AH-3'	4377		4377		0	SPARE	20	1	16	16
17	17				4377			4377	0	SPARE	20	1	18	18
19	19				6149	6149			0	SPARE	20	1	20	20
21	21	35	3	AIR HANDLER UNIT 'AH-4'	6149		6149		0	SPARE	20	1	22	22
23	23				6149			6149	0	SPARE	20	1	24	24
25	25				3989	3989			0	SPARE	20	1	26	26
27	27	30	3	AIR HANDLER UNIT 'AH-5'	3989		3989		0	SPARE	20	1	28	28
29	29				3989			3989	0	SPARE	20	1	30	30
31	31				3989	3989			0	SPARE	20	1	32	32
33	33	30	3	AIR HANDLER UNIT 'AH-6'	3989		3989		0	SPARE	20	1	34	34
35	35				3989			3989	0	SPARE	20	1	36	36
37	37	20	1	SPARE	0	0			0	SPARE	20	1	38	38
39	39	20	1	SPARE	0		0		0	SPARE	20	1	40	40
41	41	20	1	SPARE	0			0	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		50088	50088	50088						
				25% LCL/LML (VA) :		4432	4432	4432						
				TOTAL CALCULATED LOAD (VA) :		54520	54520	54520	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		196.8	196.8	196.8	163560 VA					

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
PANEL SCHEDULES

PROJECT NO.
23-12499

DRAWING
E801

PLOT DATE: 8/13/2026 11:08:15 AM

\\tet-file1\Users\gene.vea_TETER\Documents\12499-E-COS Student Union_gene.vea.rvt
18" 18" 18"

PANEL: DPL

NEW I-LINE DISTRIBUTION SWITCHBOARD

BUS: 800 AMP BUS
VOLTAGE: 120/208V, 3 PH, 4 W
NEUTRAL: 100% RATED NEUTRAL

MAIN: 800A CB
TRIP: ELECTRONIC LSI
A.I.C.: 35 kAIC

LOCATION: ELECTRICAL ROOM 132
MOUNTING: SURFACE MOUNT PER DETAIL 1/E601
ENCLOSURE: NEMA 1 (I-LINE 44"W x 9.5"D)

CIRCUIT		...		SERVES	VOLT-AMPERES			
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C
1	1	200	3	PANEL 'R1'	6309	6309		
					5877		5877	
					5601			5601
2	2	200	3	PANEL 'R2'	1843	1843		
					5259		5259	
					5049			5049
3	3	200	3	PANEL 'R3'	6163	6163		
					7343		7343	
					7767			7767
4	4	200	3	PANEL 'R4'	4213	4213		
					5843		5843	
					7643			7643
5	5	100	3	PANEL 'IT1'	3240	3240		
					2640		2640	
					2820			2820
6	6	100	3	PANEL 'IT2'	3240	3240		
					2640		2640	
					2820			2820
7	7	100	3	PANEL 'ACL1'	8830	8830		
					8831		8831	
					7271			7271
8	8	225	3	PANEL 'ACL2'	15767	15767		
					14455		14455	
					16640			16640
9	9		3	SPARE	0	0		
					0		0	
					0			0
10	10		3	SPARE	0	0		
					0		0	
					0			0
				TOTAL CONNECTED LOAD (VA) :		49605	52887	55610
				25% LCL/LML (VA) :		0	0	0
				TOTAL CALCULATED LOAD (VA) :		49605	52887	55610
				TOTAL CALCULATED LOAD (AMPS) :		413.4	440.7	463.4

PANEL: IT2

NEW RECEPTACLE PANELBOARD

100 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 100A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 10000 A

LOCATION: COMMUNICATION ROOM 215
MOUNTING: SURFACE PER DETAIL 8/E601
ENCLOSURE: NEMA 1

CIRCUIT		BREAKER		SERVES	VOLT-AM...					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	RECEPTACLES - IT ROOM N. WALL	360	1440			1080	IT RACK #1	20	1	2	2
3	3	20	1	RECEPTACLES - IT ROOM E. WALL	360		1440		1080	IT RACK #2	20	1	4	4
5	5	20	1	RECEPTACLES - IT ROOM S. WALL	360			1440	1080	IT RACK #3	20	1	6	6
7	7	20	1	RECEPTACLES - IT ROOM W. WALL	180	1260			1080	IT RACK #4	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPACE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPACE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPACE	20	1	14	14
15	15	20	1	SECURITY ALARM PANEL	600		600		0	SPACE	20	1	16	16
17	17	20	1	ACCESS CONTROL SYSTEM	600			780	180	RECEPT. - GFCI WITH 25' OF PANEL	20	1	18	18
19	19	20	1	DVR CABINET	540	540			0				20	20
21	21	20	1	BUILDING MANAGEMENT SYSTEM	600		600		0	SURGE PROTECTIVE DEVICE (SPD) 120kA	30	3	22	22
(1) 23	23	20	1	FIRE ALARM PANEL	600			600	0				24	24
				TOTAL CONNECTED LOAD (VA) :		3240	2640	2820						
				DEMAND FACTOR FOR RECEPTACLES > 10kVA:		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		3240	2640	2820	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		27.0	22.0	23.5	8700 VA					

PANEL: ACL1

NEW HVAC PANELBOARD

100 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 100A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: ELECTRICAL ROOM 130
MOUNTING: SURFACE MOUNT PER DETAIL 8/E601
ENCLOSURE: NEMA 1

CIRCUIT		BREAKER		SERVES	VOLT-AM...					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	FLY FAN 'FF-1'	1560	2060			500	VAV BOXES ' VAV 1-1' TO VAV '1-8'	20	1	2	2
3	3	20	1	FLY FAN 'FF-2'	1560		2060		500	VAV BOXES 'VAV 1-9' TO 'VAV 1-16'	20	1	4	4
5	5	15	1	SPARE	0			500	500	VAV BOXES 'VAV 2-1' TO 'VAV 2-9'	20	1	6	6
7	7	15	1	SPARE	0	1429			1429				8	8
9	9	15	1	SPARE	0		1429		1429	KITCHEN HOOD 'KEF-1' (VIA CONTROL PANEL ECP-1)	20	3	10	10
11	11	15	1	SPARE	0			1429	1429				12	12
13	13	15	1	SPARE	0	1429			1429				14	14
15	15	20	1	SPARE	0		1429		1429	KITCHEN HOOD 'KEF-3' (VIA CONTROL PANEL ECP-3)	20	3	16	16
17	17	20	1	SPARE	0			1429	1429				18	18
19	19	20	1	SPARE	0	2342			2342				20	20
21	21	20	1	SPARE	0		2342		2342	KITCHEN HOOD 'KEF-5' (VIA CONTROL PANEL ECP-4)	30	3	22	22
23	23	20	1	SPARE	0			2342	2342				24	24
25	25	20	1	SPARE	0	985			985				26	26
27	27	20	1	SPARE	0		985		985	KITCHEN HOOD 'KEF-6' (VIA CONTROL PANEL ECP-4)	15	3	28	28
29	29	20	1	SPARE	0			985	985				30	30
31	31	20	1	SPARE	0	0			0	SPARE	20	1	32	32
33	33	20	1	SPARE	0		0		0	SPARE	20	1	34	34
35	35	20	1	SPARE	0			0	0	SPARE	20	1	36	36
37	37	20	1	SPARE	0	0			0	SPARE	20	1	38	38
39	39	20	1	SPARE	0		0		0	SPARE	20	1	40	40
41	41	20	1	SPARE	0			0	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		8245	8245	6685						
				25% LCL/LML (VA) :		585	586	586						
				TOTAL CALCULATED LOAD (VA) :		8830	8831	7271	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		73.6	73.6	60.6	24931 VA					

PANEL: IT1

NEW RECEPTACLE PANELBOARD

100 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 100A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 10000 A

LOCATION: COMMUNICATION ROOM 139
MOUNTING: SURFACE PER DETAIL 8/E601
ENCLOSURE: NEMA 1

CIRCUIT		BREAKER		SERVES	VOLT-AM...					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	RECEPTACLES - IT ROOM N. WALL	180	1260			1080	IT RACK #1	20	1	2	2
3	3	20	1	RECEPTACLES - IT ROOM E. WALL	360		1440		1080	IT RACK #2	20	1	4	4
5	5	20	1	RECEPTACLES - IT ROOM S. WALL	360			1440	1080	IT RACK #3	20	1	6	6
7	7	20	1	RECEPTACLES - IT ROOM W. WALL	360	1440			1080	IT RACK #4	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPACE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPACE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPACE	20	1	14	14
15	15	20	1	SECURITY ALARM PANEL	600		600		0	SPACE	20	1	16	16
17	17	20	1	ACCESS CONTROL SYSTEM	600			780	180	RECEPT. - GFCI WITH 25' OF PANEL	20	1	18	18
19	19	20	1	DVR CABINET	540	540			0				20	20
21	21	20	1	BUILDING MANAGEMENT SYSTEM	600		600		0	SURGE PROTECTIVE DEVICE (SPD) 120kA	30	3	22	22
(2) 23	23	20	1	FIRE ALARM PANELS	600			600	0				24	24
				TOTAL CONNECTED LOAD (VA) :		3240	2640	2820						
				DEMAND FACTOR FOR RECEPTACLES > 10kVA:		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		3240	2640	2820	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		27.0	22.0	23.5	8700 VA					

PANEL: ACL2

NEW HVAC PANELBOARD

225 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 225A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: ELECTRICAL ROOM 216
MOUNTING: SURFACE MOUNT PER DETAIL 8/E601
ENCLOSURE: NEMA 1

CIRCUIT		BREAKER		SERVES	VOLT-AM...					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	25	2	OUTDOOR UNIT 'ODU-1'	1976	2870			894	KITCHEN HOOD 'KEF-2'	15	2	2	2
3	3				1976		2870		894				4	4
5	5	25	2	OUTDOOR UNIT 'ODU-2'	1976			2870	894	KITCHEN HOOD 'KEF-4'	15	2	6	6
7	7				1976	2870			894				8	8
9	9	25	2	OUTDOOR UNIT 'ODU-3'	1144		2038		894	KITCHEN HOOD 'KEF-7'	15	2	10	10
11	11				1144			2038	894				12	12
13	13	25	2	OUTDOOR UNIT 'ODU-4'	1144	1560			416	KITCHEN HOOD 'KEF-8'	15	2	14	14
15	15				1144		1560		416				16	16
17	17	25	2	OUTDOOR UNIT 'ODU-5'	1976			2240	264	EXHAUST FAN 'KEF-9	15	1	18	18
19	19				1976	3152			1176	EXHAUST FAN 'EF-10'	20	1	20	20
21	21	25	2	OUTDOOR UNIT 'ODU-6'	1976		2672		696	EXHAUST FAN 'EF-11'	15	1	22	22
23	23				1976			2672	696	EXHAUST FAN 'EF-12'	15	1	24	24
25	25	25	2	OUTDOOR UNIT 'ODU-7'	1144	1408			264	EXHAUST FAN 'EF-13'	15	1	26	26
27	27				1144		1408		264	EXHAUST FAN 'EF-14'	15	1	28	28
29	29	20	1	VAV BOXES 'VAV 3-1' TO 'VAV 3-8'	500			2331	1831	FREEZER 131	30	2	30	30
31	31	20	1	VAVS 'VAV 4-1 TO 4-6',&' VAV 4-12'	500	2331			1831				32	32
33	33	20	1	VAV BOXES 'VAV 4-7' TO 'VAV 4-11'	500		2331		1831	FREEZER 126	30	2	34	34
35	35	15	2	REFRIGERATOR 130	1082			2913	1831				36	36
37	37				1082	1082			0	SPARE	20	1	38	38
39	39	15	2	REFRIGERATOR 127	1082		1082		0	SPARE	20	1	40	40
41	41				1082			1082	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		15273	13961	16146						
				25% LCL/LML (VA) :		494	494	494						
				TOTAL CALCULATED LOAD (VA) :		15767	14455	16640	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		131.4	120.5	138.7	46862 VA					

KEYNOTES

(1) FIRE ALARM PANEL BY DEDICATED 120V, 20A, CIRCUIT #23 FROM PANEL 'IT1' WITH A CIRCUIT BREAKER LOCK-ON DEVICE AND RED LABEL READING "FIRE ALARM/ECS".

(2) FIRE ALARM PANEL BY DEDICATED 120V, 20A, CIRCUIT #23 FROM PANEL 'IT2' WITH A CIRCUIT BREAKER LOCK-ON DEVICE AND RED LABEL READING "FIRE ALARM/ECS".

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PANEL SCHEDULES

PROJECT NO.
23-12499

DRAWING
E802

PLOT DATE: 8/13/2026 11:08:18 AM

PANEL: R1

200 AMP BUS | MAIN: 200A CB | LOCATION: ELECTRICAL ROOM 132
NEW RECEPTACLE | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: SURFACE PER DETAIL 8/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AM... LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPTACLES - BOOKSTORE 101	720	1220			500	EMS PANEL	20	1	2	2
3	3	20	1	RECEPTACLES - BOOKSTORE 101	1080		1344		264	CIRCULATING PUMP	20	1	4	4
5	5	20	1	RECEPTACLES - OFFICE 101A	1080			2880	1800	WATER HEATER	20	1	6	6
7	7	20	1	RECEPTACLES - OFFICE 101B	1260	1524			264	CIRCULATING PUMP	20	1	8	8
9	9	20	1	RECEPTACLES - WAREHOUSE 101C	360		2160		1800	WATER HEATER	20	1	10	10
11	11	20	1	RECEPTACLES - WAREHOUSE 101C	900			1440	540	RECEPTACLES - CORR. 103, MISC.	20	1	12	12
13	13	20	1	RECEPTACLES - WAREHOUSE 101C	900	1260			360	RECETPACLES - RM 108, 124A	20	1	14	14
15	15	20	1	FIRE ALARM SPRINKLER BELL	500		860		360	FLOORBOX - KDS RM 100	20	1	16	16
17	17	20	1	RECEPTACLES - OFFICE 106	1080			1800	720	RECPTS - BOOKSTORE COUNTER TOP	20	1	18	18
19	19	20	1	RECEPTACLES - OFFICE 123	1260	2260			1000	RECEPTACLES - MICROWAVE	20	1	20	20
21	21	20	1	RECEPT - REFRIDGE RM 101C	1500		2500		1000	RECEPTACLES - MICROWAVE	20	1	22	22
23	23	20	1	RECEPT - RM 101C	180			360	180	RECEPTACLES - SODA MACHINES	20	1	24	24
25	25	20	1	RECEPT - DRINK FOUNTAIN RM 103	180	360			180	RECEPTACLES - SODA MACHINES	20	1	26	26
27	27	20	1	ELECTRIFIED DOOR - SOUTH	648		1368		720	FLOORBOX - KDS RM 100A	20	1	28	28
29	29	20	1	GATE MOTOR WAREHOUSE	1176			1716	540	DINING ROOM POWER PEDESTALS	20	1	30	30
31	31	20	1	ELECTRIFIED DOOR - NORTH	1200	2280			1080	RECEPTACLES - MONITORS RM100A	20	1	32	32
33	33	20	1	BOOKSTORE SEC GATE CONTROLLER	240		240		0	SPARE	20	1	34	34
35	35	20	1	SPARE	0			0	0	SPARE	20	1	36	36
37	37	20	1	SPARE	0	0			0	SPARE	20	1	38	38
39	39	20	1	SPARE	0		0		0	SPARE	20	1	40	40
41	41	20	1	SPARE	0			0	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		8904	8472	8196						
				DEMAND FACTOR FOR RECEPTACLES > 10kVA:		-2595	-2595	-2595						
				TOTAL CALCULATED LOAD (VA) :		6309	5877	5601	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		52.6	49.0	46.7	17786 VA					

PANEL: R2

200 AMP BUS | MAIN: 200A CB | LOCATION: ELECTRICAL ROOM 132
NEW RECEPTACLE | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: SURFACE PER DETAIL 8/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMP... LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPTACLE - ELECTRIC ROOM	100	280			180	RECEPTACLE	20	1	2	2
3	3	20	1	RECEPTACLE - FIRE ALARM PANEL	500		680		180	RECEPTACLE	20	1	4	4
5	5	20	1	RECEPT - REFRIGERATOR - RM 138	550			730	180	RECEPTACLE - OUTDOOR	20	1	6	6
7	7	20	1	RECEPTACLE - COUNTER TOP RM138	180	360			180	RECPEPT -DRINK FOUNT RM 133	20	1	8	8
9	9	20	1	RECEPTACLE - COUNTER TOP RM138	180		540		360	RECEPTACLE - RM...	20	1	10	10
11	11	20	1	RECEPTS - RM 133,135-137,140,141	1080			1440	360	FLOORBOX - KDS RM 100B	20	1	12	12
13	13	20	1	RECEPT - MINI REF RM 137	900	1080			180	RECEPTACLE - ELEV MACH RM 117A	20	1	14	14
15	15	20	1	RECEPT - MONITOR RM 138	180		680		500	ELEVATOR CONTROL PANEL	20	1	16	16
17	17	20	1	RECEPTACLES - RM 138	540			550	10	ELEVATOR SHUNT TRIP	15	1	18	18
19	19	20	1	RECEPTACLES - MONITOR RM117	180	360			180	RECEPTACLE - RM...	20	1	20	20
21	21	20	1	RECEPTACLES - RM116,117,118	900		3396		2496	RECEPTACLE - DRYER	30	2	22	22
23	23	20	1	RECEPT - REFRIDGE RM 117	550			3046	2496				24	24
25	25	20	1	RECEPT - COUNTER TOP RM 117	180	480			300	ELEVATOR CAR-LIGHT	20	1	26	26
27	27	20	1	RECEPTACLE - ATM	500		680		180	RECEPTACLE - ELEVATOR PIT	20	1	28	28
29	29	20	1	SPARE	0			500	500	AUTOSMOKE VENT CONTROL PANEL	20	1	30	30
31	31	20	1	SPARE	0	0			0	SPARE	20	1	32	32
33	33	20	1	SPARE	0		0		0	SPARE	20	1	34	34
35	35	20	1	SPARE	0			0	0	SPARE	20	1	36	36
37	37	20	1	SPARE	0	0			0	SPARE	20	1	38	38
39	39	20	1	SPARE	0		0		0	SPARE	20	1	40	40
41	41	20	1	SPARE	0			0	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		2560	5976	6266						
				DEMAND FACTOR FOR RECEPTACLES > 10kVA:		-800	-800	-800						
				TOTAL CALCULATED LOAD (VA) :		1760	5176	5466	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		14.7	43.1	45.5	12401 VA					

PANEL: R3

200 AMP BUS | MAIN: 200A CB | LOCATION: ELECTRICAL ROOM 216
NEW RECEPTACLE | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: SURFACE PER DETAIL 8/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AM... LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPTACLES - OFFICE 209C	1260	1810			550	RECEPT - REFRIGERATOR RM 207C	20	1	2	2
3	3	20	1	RECEPTACLES - OFFICE 209B	1080		1620		540	RECEPTACLES - RM 207C, 207B	20	1	4	4
5	5	20	1	RECEPTACLES - OFFICE 209A	1080			2160	1080	RECEPT-RM203A,204,206,219B	20	1	6	6
7	7	20	1	RECEPTACLES - CORRIDOR 200	360	1620			1260	RECEPTACLES - OFFICE 207A	20	1	8	8
9	9	20	1	RECEPTACLES - CORRIDOR 200	180		360		180	RECEPT-MONITOR	20	1	10	10
11	11	20	1	DRINKING FOUNTAIN SE CORR. 200	370			1090	720	RECEPTACLES - STUDENT SUCC. 207H	20	1	12	12
13	13	20	1	RECEPTACLES - OFFICE 207D	1260	1980			720	RECEPT - FLOOR BOXES RM 207H	20	1	14	14
15	15	20	1	RECEPTACLES - OFFICE 207E	1260		1980		720	RECEPT - FLOOR BOXES RM 207H	20	1	16	16
17	17	20	1	RECEPTACLES - OFFICE 207F	1080			2160	1080	RECEPTACLES - OFFICE 202D	20	1	18	18
19	19	20	1	RECEPTACLES - OFFICE 207G	1080	2160			1080	RECEPTACLES - OFFICE 202E	20	1	20	20
21	21	20	1	RECEPTACLES - JANITOR 208	360		540		180	PRINTER - OFFICE 202F	20	1	22	22
23	23	15	1	CIRCULATION PUMP	264			814	550	REFRIGERATOR - KITCHENETTE 202C	20	1	24	24
25	25	20	1	SPARE	0	360			360	RECEPTACLES - OFFICE 202C	20	1	26	26
27	27	20	1	RECEPTACLES - STUDENT SERV. 202G	720		1800		1080	RECEPTACLES - OFFICE 202B	20	1	28	28
29	29	20	1	PROJECTOR & SCREEN RM 202G	360			1440	1080	RECEPTACLES - STUDENT SERV 202F	20	1	30	30
31	31	20	1	RECEPT - FLOOR BOXES RM 202G	1080	1440			360	RECEPT - FLOOR BOXES RM 202F	20	1	32	32
33	33	20	1	RECEPTACLES - STUDENT SERV. 202G	1260		4260		3000	WATER HEATER 'WH-2'	40	2	34	34
35	35	20	1	RECEPTACLES - SMART CART RM...	360			3360	3000				36	36
37	37	20	1	RECEPTACLE - PRINTER RM 207H	550	550			0	SPARE	20	1	38	38
39	39	20	1	RECEPACLES - RM 207H	540		540		0	SPARE	20	1	40	40
41	41	20	1	DUCT SMOKE DETECTORS	500			500	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		9920	11100	11524						
				DEMAND FACTOR FOR RECEPTACLES > 10kVA:		-3757	-3757	-3757						
				TOTAL CALCULATED LOAD (VA) :		6163	7343	7767	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		51.4	61.2	64.7	21272 VA					

PANEL: R4

200 AMP BUS | MAIN: 200A CB | LOCATION: ELECTRIC ROOM 216
NEW RECEPTACLE | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: SURFACE MOUNT PER 8/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMP... LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPTACLES - OFFICE 217A	1080	1800			720	RECEPTACLES - STORAGE 210B	20	1	2	2
3	3	20	1	RECEPTACLES - OFFICE 217B	1260		1440		180	RECEPT - COUNTER TOP RM 210C	20	1	4	4
5	5	20	1	RECEPTACLES - OFFICE 217C	1080			1630	550	REFRIGERATOR - KITCHENETTE 210C	20	1	6	6
7	7	20	1	RECEPT - PRINTER COMP217D	180	900			720	RECEPTACLES - OFFICE 210A	20	1	8	8
9	9	20	1	RECEPTACLES - COMPUTER 217D	900		1800		900	RECEPTACLES - STUDENT ACT. 210	20	1	10	10
11	11	20	1	RECEPT - FLOOR BOX RM 217D	360			720	360	EQUIPMENT - STUDENT ACT. 210	20	1	12	12
13	13	20	1	RECEPTACLE - COUNTERTOP	180	360			180	PRINTER - STUDENT ACT. 210	20	1	14	14
15	15	20	1	REFRIGERATOR - LOUNGE 217F	550		1090		540	RECEPTACLES - STUDENT ACT. 210	20	1	16	16
17	17	20	1	RECEPTACLES - VETERANS 217	720			1620	900	RECEPTACLES - NE CORRIDOR 200B	20	1	18	18
19	19	20	1	RECEPTS - MONITOR RM 217F	180	360			180	RECEPT - MONITOR ASG201 WALL	20	1	20	20
21	21	20	1	SPARE	0		1080		1080	RECEPT - FLOOR BOXES RM201	20	1	22	22
23	23	20	1	RECEPTACLES - MEETING 211	900			2160	1260	RECEPTACLES - OFFICE 209D	20	1	24	24
25	25	20	1	RECEPT - FLOOR BOXES MEETING 211	720	1800			1080	RECEPTACLES - OFFICE 209E	20	1	26	26
27	27	20	1	RECEPTS - MONITOR MEETING...	180		900		720	RECEPT - FLOOR BOXES T/C 209G	20	1	28	28
29	29	20	1	RECEPT - EQUIPMENT RACK RM 211	360			1080	720	RECEPT - FLOOR BOXES T/C 209G	20	1	30	30
31	31	20	1	RECEPTS - RM 212,213,214,219A	1080	540			180	RECEPT - MONITORS T/C 209G	20	1	32	32
33	33	20	1	RECEPT - MONITOR ASG201 WALL	180		360		180	RECEPT - MONITORS T/C 209G	20	1	34	34
35	35	20	1	RECEPT - FLOOR BOXES RM201	1080			1620	540	RECEP. - TRANS./CAREER 209G	20	1	36	36
37	37	20	1	RECEPTACLES - VETERANS 217	540	720			180	RECEPTACLE - ELECT ROOM 216	20	1	38	38
39	39	20	1	RECEPT - PRINTER RM209	180		900		720	RECEP. - TRANS./CAREER 209G	20	1	40	40
41	41	20	1	RECEPTACLES - RECEPTION 209	540			1440	900	RECEPTACLES - ROOFTOP	20	1	42	42
43	43	20	1	RECEPTACLE - SMART CART RM 209	360	540			180	RECEPT - MONITOR ASG201 WALL	20	1	44	44
45	45	20	1	RECEPTS-MEDIA EQ IN CAB ASG201	360		1080		720	RECEPTS - ASG 20 WALL ABOVE CAB	20	1	46	46
47	47	20	1	RECEPT - MONITOR ASG201 WALL	180			210	30	AUTOSMOKE VENT THERMOLATCH	20	1	48	48
49	49	20	1	SPARE	0	0			0	SPARE	20	1	50	50
51	51	20	1	SPARE	0		0		0	SPARE	20	1	52	52
53	53	20	1	SPARE	0			0	0	SPARE	20	1	54	54
				TOTAL CONNECTED LOAD (VA) :		7020	8650	10480						
				DEMAND FACTOR FOR RECEPTACLES > 10kVA:		-2812	-2812	-2812						
				TOTAL CALCULATED LOAD (VA) :		4208	5838	7668	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		35.1	48.7	63.9	17715 VA					

KEYNOTES

1. PROVIDE A DEDICATED CIRCUIT BREAKER WITH LOCKING DEVICE ON EACH CIRCUIT BREAKER SUPPLYING FIRE ALARM SYSTEM EQUIPMENT AND PROVIDE A RED LABEL THAT READS: "FIRE ALARM/ECS" ADJACENT THE CIRCUIT BREAKER.

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

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STUDENT UNION
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915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PANEL SCHEDULES

PROJECT NO.
23-12499

DRAWING
E803

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PANEL: DPK

NEW I-LINE DISTRIBUTION SWITCHBOARD

BUS: 1000 AMP BUS
VOLTAGE: 120/208V, 3 PH, 4 W
NEUTRAL: 100% RATED NEUTRAL

MAIN: 1000A CB
TRIP: ELECTRONIC LSI
A.I.C.: 35 kAIC

LOCATION: ELECTRICAL ROOM 132
MOUNTING: SURFACE MOUNTED PER 1/E601
ENCLOSURE: NEMA 1 (I-LINE 44"W x 9.5"D)

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C
					19782	19782		
1	1	225	3	PANEL 'K1'	19330		19330	
					16049			16049
2	2	100	3	SPARE	0	0		
					0		0	
					0			0
					11091	11091		
3	3	150	3	PANEL 'K3'	10619		10619	
					10684			10684
4	4	100	3	PANEL 'K4'	2724	2724		
					3011		3011	
					5350			5350
					25531	25531		
5	5	300	3	PANEL 'K5'	28659		28659	
					28333			28333
6	6	100	3	SPARE	0	0		
					0		0	
					0			0
					8922	8922		
7	7	150	3	PANEL 'K7'	8742		8742	
					8742			8742
					4827	4827		
8	8	100	3	PANEL 'K8'	3283		3283	
					1538			1538
					8735	8735		
9	9	150	3	PANEL 'K9'	8893		8893	
					9023			9023
					0	0		
10	10		3	SPARE	0		0	
					0			0
				TOTAL CONNECTED LOAD (VA) :	81612	82537	79719	
				25% LCL/LML (VA) :	0	0	0	
				TOTAL CALCULATED LOAD (VA) :	81612	82537	79719	
				TOTAL CALCULATED LOAD (AMPS) :	680.1	687.8	664.3	

PANEL: K1

NEW PANELBOARD

225 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 225A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: SEVICE CORRIDOR...
MOUNTING: RECESSED PER DETAIL 2/E601
ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPT - REFRIGERATOR 1	756	1026			270	RECEPT - FLAVOR DISPENSER	20	1	2	2
3	3	20	1	RECEPT - REFRIGERATOR 2	756		1176		420	RECEPT - ICE BEVERAGE DISPPENSER	20	1	4	4
5	5	20	1	RECEPT - REFRIGERATOR 3	756			1296	540	RECEPTACLES - NORTH WALL	20	1	6	6
7	7	20	1	RECEPT - REFRIGERATOR 4	756	3074			2318				8	8
9	9	20	1	RECEPT - REFRIGERATOR 5	756		3074		2318	COFFEE BREWER	30	3	10	10
11	11	20	1	RECEPT - REFRIGERATOR 6	756			3074	2318				12	12
13	13	20	1	RECEPT - REFRIGERATOR 7	756	1656			900	RECEPTACLES - SOUTH WALL	20	1	14	14
15	15	20	1	RECEPT - REFRIGERATOR 8	756		1176		420	RECEPT - REGISTER	20	1	16	16
17	17	20	1	RECEPTACLE - WEST WALL	180			430	250	FREEZER 131 CONTROL PANEL	20	1	18	18
19	19	20	1	RECEPT - DISPLAY CASE	1440	1690			250	REFRIGERATOR 130 CONTROL PNL	20	1	20	20
21	21	20	1	RECEPT - DISPLAY CASE	1440		1620		180	RECEPTACLE - MONITOR RM 112	20	1	22	22
23	23	20	1	SPARE	0			180	180	RECEPTACLE -CORD REEL	20	1	24	24
25	25	30	2	RECEPT - ISLAND REFRIGERATOR 1	1092	1272			180	RECEPTACLE -CORD REEL	20	1	26	26
27	27				1092		1092		0	SPARE	20	1	28	28
29	29	30	2	RECEPT - ISLAND REFRIGERATOR 2	1092			1092	0	SPARE	20	1	30	30
31	31				1092	1092			0	SPARE	20	1	32	32
33	33	20	1	HEAT TRACE	500		500		0	SPARE	20	1	34	34
35	35	20	1	SPARE	0			0	0	SPARE	20	1	36	36
37	37	20	1		12477	12477			0	SPARE	20	1	38	38
39	39	20	1	FEED THROUGH LUGS TO PANEL 'K2'	13197		13197		0	SPARE	20	1	40	40
41	41	20	1		12482			12482	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		22287	21835	18554						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		-2505	-2505	-2505						
				TOTAL CALCULATED LOAD (VA) :		19782	19330	16049	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		164.9	161.1	133.7	55161 VA					

PANEL: K3

NEW PANELBOARD

150 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 150A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: GIANT GRILL RM 119
MOUNTING: RECESSED PER 2/E601
ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPT - DUMP STATION	1080	1260			180	RECEPTACLE	20	1	2	2
3	3	20	1	RECEPT - CHEF BASE REFRIDGE	276		1926		1650	TORTILLA PRESS	30	2	4	4
5	5	20	1	RECEPT - CHEF BASE REFRIDGE	276			1926	1650				6	6
7	7	20	2	RECEPT - HOT FOOD TABLE	1125	1746			621	RECEPT - FREEZER	20	1	8	8
9	9				1125		1470		345	RECEPT - UNDERCOUNTER REFRIDGE	20	1	10	10
11	11	20	1	RECEPT - SANDWHICH/SALAD UNIT	864			864	0	SPARE	20	1	12	12
13	13	20	1	RECEPT - MONITORS	180	1752			1572	RECEPT - FOOD WARMER	20	1	14	14
15	15	20	1	RECEPT - MONITORS	180		720		540	RECEPT - REGISTER	20	1	16	16
17	17	15	1	ROLLUP GATE MOTOR	540			1560	1020	RECEPT - HEATED WARMER	20	1	18	18
19	19	20	1	KH-3&KH-4 - CONTROL PNL 'ECP-3'	0	0			0	SPARE	20	1	20	20
21	21	20	1	SPARE	0		0		0	SPARE	20	1	22	22
23	23	20	1	SPARE	0			0	0	SPARE	20	1	24	24
25	25	20	1	SPARE	0	0			0	SPARE	20	1	26	26
27	27	20	1	SPARE	0		0		0	SPARE	20	1	28	28
29	29	20	1	SPARE	0			0	0	SPARE	20	1	30	30
31	31	20	1	SPARE	0	0			0	SPARE	20	1	32	32
33	33	20	1	SPARE	0		170		170	ELECTRIC COMBI OVEN VENT	20	1	34	34
35	35	20	1	SPARE	0			0	0	SHUNT-TRIP			36	36
37	37	20	1	SPARE	0	6333			6333				38	38
39	39	20	1	SPARE	0		6333		6333	ELECTRIC COMBI OVEN	70	3	40	40
41	41	20	1	SPARE	0			6334	6334				42	42
				TOTAL CONNECTED LOAD (VA) :		11091	10619	10684						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		11091	10619	10684	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		92.4	88.5	89.0	32394 VA					

PANEL: K2

NEW PANELBOARD

225 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 225A CB ST
TRIP: SHUNT-TRIP
A.I.C.: 22000 A

LOCATION: SERVICE CORRIDOR 120A
MOUNTING: RECESSED PER DETAIL 2/E601
ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPT - 36" CHEF BASE	288	576			288	RECEPT - 36" CHEF BASE	20	1	2	2
3	3	20	1	RECEPT - 48" CHEF BASE	648		1296		648	RECEPT - 48" CHEF BASE	20	1	4	4
5	5	20	1	RECEPT - FRY DUMP	480			580	100	RECEPT - 60" WORKTOP REF	15	1	6	6
7	7	15	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPARE	20	1	14	14
15	15	20	1	SPARE	0		0		0	SPARE	20	1	16	16
17	17	20	1	SPARE	0			0	0	SPARE	20	1	18	18
19	19	20	1	SPARE	0	12333			12333				20	20
21	21	20	1	SPARE	0		12333		12333	FUTURE TILT SKILLET	150	3	22	22
23	23	20	1	SPARE	0			12334	12334				24	24
				TOTAL CONNECTED LOAD (VA) :		12909	13629	12914						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		-432	-432	-432						
				TOTAL CALCULATED LOAD (VA) :		12477	13197	12482	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		104.0	110.0	104.0	38156 VA					

PANEL: K4

NEW PANELBOARD

100 AMP BUS
120/208V, 3 PH, 4 W
100% RATED NEUTRAL

MAIN: 100A CB
TRIP: THERMAL-MAGNETIC
A.I.C.: 22000 A

LOCATION: RM 121A
MOUNTING: RECESSED PER DETAIL 2/E601
ENCLOSURE: NEMA 1 W/ AUX CONTACTOR ENC

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPT - REACH-IN FREEZER	426	1426			1000	RECEPT - MONITORS	20	1	2	2
3	3	20	1	RECEPT - REACH-IN REFRIGERATOR	621		1161		540	ROLLUP GATE MOTOR	15	1	4	4
5	5	30	2	RECEPT - TORTILLA PRESS	1650			2838	1188	RECEPT - CHEF BASE REF	20	1	6	6
7	7				1650	1770			120	RECEPT - GAS GRIDDLE	20	1	8	8
9	9	30	2	RECEPT -HOT WELL UNIT	2000		2228		228	RECEPT - REFRIGERATED COLD WELL	20	1	10	10
11	11				2000			3400	1400	KH-2 CONTROL PANEL 'ECP-2'	20	1	12	12
13	13	20	1	RECEPT - REFRIGERATED COLD WELL	456	456			0	SPARE	20	1	14	14
15	15	20	1	RECEPT - HEATED SHELF WARMER	1050		1050		0	SPARE	20	1	16	16
17	17	20	1	RECEPT - REGISTER & KDS TS	540			540	0	SPARE	20	1	18	18
19	19	20	1	KH-2 CONTROL PANEL 'ECP-2'	500	500			0	SPARE	20	1	20	20
21	21	20	1	SPARE	0		0		0	SPARE	20	1	22	22
23	23	20	1	SPARE	0			0	0	SPARE	20	1	24	24
				TOTAL CONNECTED LOAD (VA) :		4152	4439	6778						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		-1428	-1428	-1428						
				TOTAL CALCULATED LOAD (VA) :		2724	3011	5350	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		22.7	25.1	44.6	11085 VA					

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MARK	DATE	DESCRIPTION
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04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PANEL SCHEDULES

PROJECT NO.
23-12499

DRAWING
E804

PLOT DATE: 8/13/2026 11:08:27 AM

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PANEL: K5

400 AMP BUS | MAIN: 300A CB | LOCATION: SERVICE CORRIDOR 108A
NEW | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: RECESSED PER DETAIL 2/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPT - 44" REFRIGERATOR	648	828			180	RECEPT - MONITORS	20	1	2	2
3	3	20	1	RECEPT - GRIDDLE	480		1020		540	ROLLUP GATE MOTOR	15	1	4	4
5	5	20	1	RECEPT - VENDING MACHINE	144			1194	1050	RECEPT - HEATED WARMER SHELF	20	1	6	6
7	7	20	1	RECEPT - VENDING MACHINE	960	1500			540	RECEPT - REGISTER	20	1	8	8
9	9	20	1	RECEPT - VENDING MACHINE	1224		1524		300	KH-1 CONTROL PANEL 'ECP-1'	20	1	10	10
11	11	20	1	RECEPT - PIZZA PREP TABLE	864			1044	180	RECEPTACLE - MONTOR RM111	20	1	12	12
13	13	20	1	RECEPT - SANDWICH/SALAD UNIT	864	1044			180	RECEPTACLE - CORD REEL	20	1	14	14
15	15	20	1	RECEPT - DOUBLE STACK TOASTER	1750		1930		180	RECEPTACLE - CORD REEL	20	1	16	16
17	17	20	1	RECEPT - DOUBLE STACK TOASTER	1750			1750	0	SPARE	20	1	18	18
19	19	20	1	RECEPT - 60" UC REFRIGERATOR	480	480			0	SPARE	20	1	20	20
21	21	20	1	RECEPTACLES	360		360		0	SPARE	20	1	22	22
23	23	20	1	RECEPT - SERVICE CORRIDOR	360			360	0	SHUNT TRIP			24	24
25	25				7102	23102			16000		175	3	26	26
27	27	400A		FEED THROUGH LUGS TO PANEL 'K6'	9248		25248		16000	PIZZA OVEN			28	28
29	29				9408			25408	16000				30	30
				TOTAL CONNECTED LOAD (VA) :		26954	30082	29756						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		-1423	-1423	-1423						
				TOTAL CALCULATED LOAD (VA) :		25531	28659	28333	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		212.8	238.8	236.1	82523 VA					

PANEL: K7

150 AMP BUS | MAIN: 150A CB | LOCATION: SCULLERY 128
NEW | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: RECESSED PER DETAIL 2/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1				6304	8742			2438				2	2
3	3	70	3	HIGH TEMP DISHWASHER	6304		8742		2438	GARBAGE DISPOSAL	20	3	4	4
5	5				6304			8742	2438				6	6
7	7	20	1	SPARE	0	180			180	RECEPTACLE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPARE	20	1	14	14
15	15	20	1	SPARE	0		0		0	SPARE	20	1	16	16
17	17	20	1	SPARE	0			0	0	SPARE	20	1	18	18
19	19	20	1	SPARE	0	0			0	SPARE	20	1	20	20
21	21	20	1	SPARE	0		0		0	SPARE	20	1	22	22
23	23	20	1	SPARE	0			0	0	SPARE	20	1	24	24
				TOTAL CONNECTED LOAD (VA) :		8922	8742	8742						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		8922	8742	8742	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		74.4	72.9	72.9	26406 VA					

PANEL: K9

150 AMP BUS | MAIN: 150A CB | LOCATION: RM 120
NEW | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: RECESSED PER DETAIL 2/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	RECEPT - REFRIGERATOR	648	1648			1000	RECEPT - MONITORS	20	1	2	2
3	3	20	1	RECEPT - FREEZER	444		984		540	ROLLUP GATE MOTOR	15	1	4	4
5	5	20	1	RECEPT - SINGLE ZONE COOLER	384			924	540	RECEPT - REGISTER & KDS TS	20	1	6	6
7	7	20	1	RECEPT - DUAL TAP NITRO	360	588			228	RECEPT - DROP-IN REFRIGERATOR	20	1	8	8
9	9	20	1	RECEPT - BLENDER	1800		3000		1200	RECEPT - COFFEE BREWER	20	2	10	10
11	11	20	1	RECEPT - BLENDER	1800			3000	1200				12	12
13	13	20	1	RECEPT - BLENDER	1800	3000			1200	RECEPT - COFFEE BREWER	20	2	14	14
15	15	30	2	RECEPT - FRIIA WATER DELIVERY SYS	1400		2600		1200				16	16
17	17				1400			2700	1300	RECEPT - COFFEE GRINDER	20	1	18	18
19	19	20	1	RECEPT - WTR DELIV CHILLER/CARB	180	0			1300	RECEPT - COFFEE GRINDER	20	1	20	20
21	21	20	1	RECEPT - UNDER CNTR REF	240		1990		1750	RECEPT - COFFEE BREWER	30	2	22	22
23	23	50	2	RECEPT - EXPRESSO MACHINE	3200			4950	1750				24	24
25	25				3200	3430			230	RECEPT - UNDERCOUNTER REF	20	1	26	26
27	27	20	1	TRAP PRIMER	250		250		0	SPARE	20	1	28	28
29	29	20	1	CLOCK	500			500	0	SPARE	20	1	30	30
31	31	20	1	SPARE	0	3120			3120	RECEPT - COUNTER TOP OVEN	30	2	32	32
33	33	20	1	SPARE	0		3120		3120				34	34
35	35	20	1	SPARE	0			0	0	SPARE	20	1	36	36
37	37	20	1	SPARE	0	0			0	SPARE	20	1	38	38
39	39	20	1	SPARE	0		0		0	SPARE	20	1	40	40
41	41	20	1	SPARE	0			0	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		11786	11944	12074						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		-3051	-3051	-3051						
				TOTAL CALCULATED LOAD (VA) :		8735	8893	9023	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		72.8	74.1	75.2	26651 VA					

PANEL: K6

400 AMP BUS | MAIN: MLO | LOCATION: SERVICE CORRIDOR 108A
NEW | 120/208V, 3 PH, 4 W | MOUNTING: RECESSED PER DETAIL 2/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1	20	1	SPARE	0	0			0	SPARE	20	1	2	2
3	3	20	1	SPARE	0		0		0	SPARE	20	1	4	4
5	5	20	1	SPARE	0			0	0	SPARE	20	1	6	6
7	7	20	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	REFRIGERATOR 127 CONTROL PANEL	250			250	0	SPARE	20	1	12	12
13	13	20	1	FREEZER 126 CONTROL PANEL	250	250			0	SPARE	20	1	14	14
15	15	30	2	RECEPT - ICE MACHINE	2220		2940		720	RECEPTACLES	20	1	16	16
17	17				2220			3408	1188	RECEPT - STACKABLE WASHER	15	1	18	18
19	19	20	1	RECEP - ICE MACHINE	1548	2736			1188	RECEPT - STACKABLE WASHER	15	1	20	20
21	21	20	1	RECEPT - 72" UC REFRIGERATOR	480		2980		2500	RECEPT - STACKABLE DRYER	30	2	22	22
23	23	20	1	RECEPT - 72" UC REFRIGERATOR	480			2980	2500				24	24
25	25	20	1	RECEPT - BLAST CHILLER	1920	4420			2500	RECEPT - STACKABLE DRYER	30	2	26	26
27	27	20	1	RECEPT - INSECT TRAP 109	180		2680		2500				28	28
29	29	20	1	RECEPTACLES - RM 109,114, 124,125	1080			2232	1152	RECEPT - 54" FREEZER	20	1	30	30
31	31	20	1	RECEPT - INSECT TRAP 114	180	828			648	RECEPT - 54" REFRIGERATOR	20	1	32	32
33	33	30	2	RECEPT - ICE MACHINE	2220		2580		360	RECEPTACLES	20	1	34	34
35	35				2220			2470	250	TRAP PRIMER 'TP-3'	20	1	36	36
37	37	20	1	KH-5B,-5F,-6B,-6F CTRL PNL ECP-4	300	800			500	HEAT TRACE	20	1	38	38
39	39	20	1	SPARE	0		0		0	SPARE	20	1	40	40
41	41	20	1	SPARE	0			0	0	SPARE	20	1	42	42
				TOTAL CONNECTED LOAD (VA) :		9034	11180	11340						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		-1932	-1932	-1932						
				TOTAL CALCULATED LOAD (VA) :		7102	9248	9408	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		59.2	77.1	78.4	25758 VA					

PANEL: K8

100 AMP BUS | MAIN: 100A CB | LOCATION: BAKING/OVENS 129
NEW | 120/208V, 3 PH, 4 W | TRIP: THERMAL-MAGNETIC | MOUNTING: RECESSED PER DETAIL 2/E601
PANELBOARD | 100% RATED NEUTRAL | A.I.C.: 22000 A | ENCLOSURE: NEMA 1

CIRCUIT CKT NO.	CIRCUIT PNL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT PNL SPACE	CIRCUIT CKT NO.
1	1				2117	3965			1848	DOUBLE DCKER OVEN	20	1	2	2
3	3	40	3	FREE STANDING MIXER	2117		3965		1848	DOUBLE DCKER OVEN	20	1	4	4
5	5				2116			3216	1100	COMBI OVEN	15	2	6	6
7	7	20	1	RECEPT - PROOFER	1440	2540			1100				8	8
9	9	20	1	RECEPT - BREAD SLICER	696		996		300	KH-7' CONTROL PANEL ECP-5	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPARE	20	1	8	14
15	15	20	1	SPARE	0		0		0	SPARE	20	1	10	16
17	17	20	1	SPARE	0			0	0	SPARE	20	1	18	18
19	19	20	1	SPARE	0	0			0	SPARE	20	1	20	20
21	21	20	1	SPARE	0		0		0	SPARE	20	1	22	22
23	23	20	1	SPARE	0			0	0	SPARE	20	1	24	24
				TOTAL CONNECTED LOAD (VA) :		6505	4961	3216						
				DEMAND FACTOR FOR KITCHEN EQUIPMENT:		-1678	-1678	-1678						
				TOTAL CALCULATED LOAD (VA) :		4827	3283	1538	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		40.2	27.4	12.8	9648 VA					

PLOT DATE: 8/13/2026 11:08:31 AM

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ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PANEL SCHEDULES

PROJECT NO.
23-12499

DRAWING
E805

(N) MINIPOWER ZONE MPZ

MINI POWER ZONE
WITH INTEGRAL 15 KVA
480:120/208V, 3PH, 4W TRANSFORMER

LOCATION: ELECTRICAL YARD
MOUNTING: POST AND STRUT PER 25/E601
ENCLOSURE: NEMA 3R

PRIMARY MAIN: 40A
PRIMARY MAIN A.I.C.: 35000A
SECONDARY MAIN: 60A
SECONDARY MAIN A.I.C.: 10000A

BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C
			1825	1825		
40	2	PRIMARY MAIN CIRCUIT BREAKER	1425		1425	
			4			0
MINI-LOAD CENTER TOTALS		TOTAL CONNECTED LOAD (VA) :		1825	1425	0
		25% LCL/LML (VA) :		0	0	0
		TOTAL CALCULATED LOAD (VA) :		1825	1425	0
		TOTAL CALCULATED LOAD (AMPS) :		6.6	5.1	0.0

15 KVA, 3-PHASE 480V:120/208V INTEGRAL TRANSFORMER

120/240V, 1PH, 3W SECTION

CIRCUIT NO.	CIRCUIT PANEL SPACE	BREAKER AMP	BREAKER POLE	SERVES	VOLT-AMPERES LOAD	A	B	C	LOAD	SERVES	BREAKER AMP	BREAKER POLE	CIRCUIT NO.	CIRCUIT PANEL SPACE
1	1	20	1	EMS PANEL	500	500			0	SPARE	20	1	2	2
3	3	20	1	RECEPTACLE	180		180		0	SPARE	20	1	4	4
5	5	20	1	IRRIGATION CONTROLLER	500			500	0	SPARE	20	1	6	6
7	7	20	1	MOTORIZED GATE	1200	1200			0	SPARE	20	1	8	8
9	9	20	1	MOTORIZED GATE	1200		1200		0	SPARE	20	1	10	10
11	11			SPARE	0			0	0	SPARE	20	1	12	12
120/240V, 1PH, 3W SECTION TOTALS				TOTAL CONNECTED LOAD (VA) :		1700	1380	500						
				25% LCL/LML (VA) :		125	45	0						
				TOTAL CALCULATED LOAD (VA) :		1825	1425	500						
				TOTAL CALC LOAD (AMPS) :		15.2	11.9	4.2						

LIGHTING CONTROL PANEL

nLIGHT RELAY PANEL MODEL: ARP INTENC16 NLT 16FCR MVOLT 1V8 HLK SM
120/277V WITH EIGHT 30AMP RELAYS AND
CA TITLE 24 COMPLIANT ASTRONOMIC TIME CLOCK

LOCATION: COMMUNICATIONS ROOM
MOUNTING: SURFACE 8/E600
ENCLOSURE: NEMA 1

LOW VOLTAGE INPUT		HIGH VOLTAGE OUTPUT				
CONTROL SCHEME	DEVICE ADDRESS	DEVICE	PANEL	CIRCUIT	WATTAGE	DESCRIPTION
ATC*	nRP 1 Relay 1	Relay 1	L1	30	816	SITE LIGHTING - POLE 'a'
ATC*	nRP 2 Relay 2	Relay 2	L1	30	748	SITE LIGHTING - POLE 'b'
ATC*	nRP 3 Relay 3	Relay 3	L1	32	156	SITE BOLLARDS - LIGHT FIXTURE 'S5'
ATC*	nRP 4 Relay 4	Relay 4	L1	32	92	SITE INGRADE - LIGHT FIXTURE 'U1'
ATC*	nRP 5 Relay 5	Relay 5	L1	32	147	SIGN LIGHTING (FINS) 'L1'
ATC*	nRP 6 Relay 6	Relay 6	L1	36	422	BUILDING FAÇADE LIGHT FIXTURES W1 AND W1E
ATC*	nRP 7 Relay 7	Relay 7	L1	34	390	BALCONY AND FRONT ENTRANCE (2ND FLOOR) 'W8'
ATC*	nRP 8 Relay 8	Relay 8	L1	34	198	BUILDING FAÇADE 2ND FLOOR - LIGHT FIXTURE 'LL2'
ATC*	nRP 9 Relay 9	Relay 9	L1	28	120	EXTERIOR "the Union" SIGNAGE
ATC*	nRP 10 Relay 10	Relay 10	L1	32	306	SEAT WALL SIGNAGE LIGHT FIXTURE 'U2'
ATC*	nRP 11 Relay 11	Relay 11				SPARE
ATC*	nRP 12 Relay 12	Relay 12				SPARE
ATC*	nRP 13 Relay 13	Relay 13				SPARE
ATC*	nRP 14 Relay 14	Relay 14				SPARE
ATC*	nRP 15 Relay 15	Relay 15				SPARE
ATC*	nRP 16 Relay 16	Relay 16				SPARE
	nRP Main (Sensor)	*SPACE*				

NOTES:
* Astronomic Time Clock (ATC) through SensorView software.

Teter, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of professional service, is not to be used in whole or in part, for any other project without prior written authorization.

MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
PANEL SCHEDULES

PROJECT NO.
23-12499

DRAWING
E806

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PLOT DATE: 8/13/2026 11:08:33 AM

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: COS STUDENT UNION	**Report Page:** (Page 1 of 10)
Project Address: 915 S MOONEY BLVD_	**Date Prepared:** 4/20/2026

A. GENERAL INFORMATION

01	Project Location (city)	VISALIA	04	Total Conditioned Floor Area (ft²)	34,421
02	Climate Zone	13	05	Total Unconditioned Floor Area (ft²)	360
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	2

● Grocery ● High-Rise Residential ● Office ● Retail ● Support Areas ● Warehouse ● All Other Occupancies

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	34421	Area Category Method	360
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	34421		360	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 2 of 10)
	Date Prepared: 4/20/2026

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05		06	07	08		09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)			Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned		22,188	0		=	22,188	≥ 16,836	0	= 16836		COMPLIES
Unconditioned		144	0		=	144	≥ 135	0	= 135		COMPLIES
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Generated Date/Time: Documentation Software: EnergyPro
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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 3 of 10)
	Date Prepared: 4/20/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01 Name or Item Tag	02 Complete Luminaire Description	03 Modular (Track) Fixture	04 Small Aperture & Color Change[1]	05 Watts per luminaire[2]	06 How is Wattage determined	07 Total Number of Luminaires	08 Excluded per 140.6(a)3 / 170.2(e)2C	09 Design Watts	10 Field Inspector Pass	10 Field Inspector Fail
A1	D1	No	NA	48	Mfr. Spec	4	No	192	☐	☐
A1	A1	No	NA	38	Mfr. Spec	214	No	8,132	☐	☐
A2	A2	No	NA	64	Mfr. Spec	51	No	3,264	☐	☐
A3	A3	No	NA	27	Mfr. Spec	3	No	81	☐	☐
B1	B1	No	NA	27	Mfr. Spec	30	No	810	☐	☐
B2	B2	No	NA	27	Mfr. Spec	17	No	459	☐	☐
B3	B3	No	NA	27	Mfr. Spec	2	No	54	☐	☐
C1	C1	No	NA	38	Mfr. Spec	3	No	114	☐	☐
C2	C2	No	NA	26	Mfr. Spec	11	No	286	☐	☐
C4	C4	No	NA	32	Mfr. Spec	9	No	288	☐	☐
D1	D1	No	NA	48	Mfr. Spec	12	No	576	☐	☐
P1	P1	No	NA	58	Mfr. Spec	12	No	696	☐	☐
P2	P2	No	NA	35	Mfr. Spec	6	No	210	☐	☐
P3	P3	No	NA	74	Mfr. Spec	21	No	1,554	☐	☐
P4	P4	No	NA	40	Mfr. Spec	3	No	120	☐	☐
						Total Designed Watts: CONDITIONED SPACES		16,836		

Designed Wattage: Unconditioned Spaces

01 Name or Item Tag	02 Complete Luminaire Description	03 Modular (Track) Fixture	04 Small Aperture & Color Change[1]	05 Watts per luminaire[2]	06 How is Wattage determined	07 Total Number of Luminaires	08 Excluded per 140.6(a)3 / 170.2(e)2C	09 Design Watts	10 Field Inspector Pass	10 Field Inspector Fail

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-4886-0426-1449 Report Generated: 2026-04-20 17:21:13

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 4 of 10)
	Date Prepared: 4/20/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

B1	B1	No	NA	27	Mfr. Spec	3	No	81	☐	☐
B3	B3	No	NA	27	Mfr. Spec	2	No	54	☐	☐
					Total Designed Watts: UNCONDITIONED SPACES			135		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03 Field Inspector Pass	03 Field Inspector Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C		
Required >= 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12 Field Inspector Pass	12 Field Inspector Fail
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A		
Whole Building	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	☐	☐

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 5 of 10)
	Date Prepared: 4/20/2026

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

	13
	Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01 Area Description	02 Complete Building or Area Category Primary Function Area	03 Allowed Density (W/ft²)	04 Area (ft²)	05 Allowed Wattage (Watts)	06 Additional Allowance / Adjustment Area Category	06 Additional Allowance / Adjustment PAF
VAV 1-1	Commercial Industrial Warehouse	0.4	1,412	564.8	No	No
VAV 1-2	Office (<=250 square feet)	0.65	235	152.8	No	No
VAV 1-3	Retail Merchandise Sales	0.95	2,190	2,080.5	No	No
VAV 1-4	Main Entry Lobby	0.7	997	697.9	No	No
VAV 1-5	Kitchen/ Food Preparation	0.95	335.5	318.7	No	No
VAV 1-6	Office (<=250 square feet)	0.65	406	263.9	No	No
VAV 1-7	Restroom	0.65	1,291	839.2	No	No
VAV 1-8	Commercial Industrial Warehouse	0.4	282	112.8	No	No
VAV 1-9	Commercial Industrial Storage Shipping	0.6	374	224.4	No	No
VAV 1-10	Commercial Industrial Warehouse	0.4	507	202.8	No	No
VAV 1-11	Kitchen/ Food Preparation	0.95	224.2	213	No	No
VAV 1-12	Kitchen/ Food Preparation	0.95	215	204.2	No	No
VAV 1-13	Kitchen/ Food Preparation	0.95	603.5	573.3	No	No
VAV 1-14	Kitchen/ Food Preparation	0.95	427.5	406.1	No	No
VAV 1-15	Kitchen/ Food Preparation	0.95	413	392.3	No	No
VAV 1-16	Kitchen/ Food Preparation	0.95	635.5	603.7	No	No

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 6 of 10)
	Date Prepared: 4/20/2026

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

VAV 2-1	Kitchen/ Food Preparation	0.95	336.9	320.1	No	No
VAV 2-2	All Other Space Types	0.45	2,242	1,008.9	No	No
VAV 2-3	All Other Space Types	0.45	1,408	633.6	No	No
VAV 2-4	Grocery Sales	1	1,308	1,308	No	No
VAV 2-5	Main Entry Lobby	0.7	987.2	691.1	No	No
VAV 2-6	Lounge	0.55	940	517	No	No
VAV 2-7	All Other Space Types	0.4	389	155.6	No	No
VAV 2-8	Lounge	0.55	290	159.5	No	No
VAV 2-9	Commercial Industrial Storage Shipping	0.6	742	445.2	No	No
VAV 3-1	Office (<=250 square feet)	0.65	281	182.6	No	No
VAV 3-2	Office (>250 square feet)	0.6	621	372.6	No	No
VAV 3-3	Office (<=250 square feet)	0.65	260	169	No	No
VAV 3-4	Office (>250 square feet)	0.6	552	331.2	No	No
VAV 3-5	Corridor	0.4	1,108	443.2	No	No
VAV 3-6	Corridor	0.4	800	320	No	No
VAV 3-7	Copy Room	0.7	1,372	960.4	No	No
VAV 3-8	Office (<=250 square feet)	0.65	624	405.6	No	No
VAV 4-1	Office (>250 square feet)	0.6	1,306	783.6	No	No
VAV 4-2	Office (<=250 square feet)	0.65	544	353.6	No	No
VAV 4-3	Office (>250 square feet)	0.6	747	448.2	No	No
VAV 4-4	Office (<=250 square feet)	0.65	145	94.2	No	No
VAV 4-5	Commercial Industrial Warehouse	0.4	529	211.6	No	No
VAV 4-6	Convention, Conference, Multipurpose and Meeting Center	0.75	365	273.8	No	No
VAV 4-7	Corridor	0.4	838	335.2	No	No
VAV 4-8	Office (>250 square feet)	0.6	614	368.4	No	No
VAV 4-9	Copy Room	0.7	393	275.1	No	No
VAV 4-10	Office (<=250 square feet)	0.65	229	148.8	No	No

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 7 of 10)
	Date Prepared: 4/20/2026

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

VAV 4-11	Office (<=250 square feet)	0.65	127	82.6	No	No
VAV 4-12	Main Entry Lobby	0.7	2,836	1,985.2	No	No
VAV 1-14 (MUA)	Kitchen/ Food Preparation	0.95	31.5	29.9	No	No
VAV 2-1 (MUA)	Kitchen/ Food Preparation	0.95	82.1	78	No	No
VAV 1-13 (MUA)	Kitchen/ Food Preparation	0.95	85.5	81.2	No	No
VAV 1-16 (MUA)	Kitchen/ Food Preparation	0.95	49.5	47	No	No
VAV 1-12 (MUA)	Kitchen/ Food Preparation	0.95	60	57	No	No
VAV 1-11 (MUA)	Kitchen/ Food Preparation	0.95	15.8	15	No	No
ELECT/MECH ROOM	Electrical Mechancial Telephone Room	0.4	209	83.6	No	No
ELECT/MECH ROOM	Electrical Mechancial Telephone Room	0.4	209	83.6	No	No
ELECTRICAL	Electrical Mechancial Telephone Room	0.4	135	54	No	No
ELECT/MECH ROOM	Electrical Mechancial Telephone Room	0.4	61	24.4	No	No
		TOTALS:	34,420.7	22,188	See Tables J, or P for detail	

Unconditioned Spaces

01 Area Description	02 Complete Building or Area Category Primary Function Area	03 Allowed Density (W/ft²)	04 Area (ft²)	05 Allowed Wattage (Watts)	06 Additional Allowance / Adjustment Area Category	06 Additional Allowance / Adjustment PAF
UNCONDITIONED	Electrical Mechancial Telephone Room	0.4	225	90	No	No
UNCONDITIONED	Electrical Mechancial Telephone Room	0.4	135	54	No	No
		TOTALS:	360	144	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

Generated Date/Time: Documentation Software: EnergyPro
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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 8 of 10)
	Date Prepared: 4/20/2026

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-4886-0426-1449 Report Generated: 2026-04-20 17:21:13

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: COS STUDENT UNION	**Report Page:** (Page 9 of 10)
	Date Prepared: 4/20/2026

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Whole Building;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-4886-0426-1449 Report Generated: 2026-04-20 17:21:13

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
ARCHITECTS ENGINEERS CONSULTANTS
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD, VISALIA CA. 93277

DRAWING TITLE
ENERGY COMPLIANCE DOCUMENTS

PROJECT NO.
23-12499

DRAWING
E900

PLOT DATE: 8/13/2026 11:08:36 AM

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name:	COS STUDENT UNION	Report Page: (Page 10 of 10)
Project Address:	915 S MOONEY BLVD.,	Date Prepared: 4/20/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Company: Teter Architects & Engineers	Signature Date: 2026-04-20
Address: 7535 N PALM AVE STE 201	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: BRYAN GLASS	Responsible Designer Signature:
Company: TETER	Date Signed: 2026-04-20
Address: 7535 N PALM AVE STE 201	License: E17773
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	COS STUDENT UNION	Report Page: (Page 1 of 9)
Project Address:	915 S MOONEY BLVD.,	Date Prepared: 4/20/2026

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	VISALIA	04 Total Illuminated Hardscape Area (ft²)	138260
02	Climate Zone	13		
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐ LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐ LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project			

● Grocery ● ● Office ● Retail ● Support Areas ● Warehouse ● All Other Occupancies

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	COS STUDENT UNION	Report Page: (Page 2 of 9)
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C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv											Compliance Results		
01		02		03		04		05		06	07	08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	= **Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
3,325	+	---	+	---	+	---	+	---	OR	---	= 3,325	≥	3,249	COMPLIES
Shielding Compliance (See Table G for Details)														COMPLIES
Controls Compliance (See Table H for Details)														COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	COS STUDENT UNION	Report Page: (Page 3 of 9)
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F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires [2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)[4]	Field Inspector	
										Pass	Fail
C1	C1	☐ Linear	38	Mfr. Spec	5	New	☐	190	NA: < 6200 lumens	☐	☐
LL1	LL1	☐ Linear	21	Mfr. Spec	7	New	☐	147	NA: < 6200 lumens	☐	☐
LL2	LL2	☐ Linear	21	Mfr. Spec	10	New	☐	210	NA: < 6200 lumens	☐	☐
S1	S1	☐ Linear	68	Mfr. Spec	1	New	☐	68	Provided	☐	☐
S2A	S2A	☐ Linear	136	Mfr. Spec	2	New	☐	272	Provided	☐	☐
S2B	S2B	☐ Linear	136	Mfr. Spec	3	New	☐	408	Provided	☐	☐
S2C	S2F	☐ Linear	136	Mfr. Spec	3	New	☐	408	Provided	☐	☐
S2D	S2D	☐ Linear	136	Mfr. Spec	1	New	☐	136	Provided	☐	☐
S2F	S2F	☐ Linear	136	Mfr. Spec	2	New	☐	272	Provided	☐	☐
S5	S5	☐ Linear	39	Mfr. Spec	4	New	☐	156	NA: < 6200 lumens	☐	☐
U1	U1	☐ Linear	23	Mfr. Spec	4	New	☐	92	NA: < 6200 lumens	☐	☐
W1	W1	☐ Linear	26	Mfr. Spec	8	New	☐	208	NA: < 6200 lumens	☐	☐

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
W2	W2	☐ Linear	31	Mfr. Spec	2	New	☐	62	NA: < 6200 lumens	☐	☐
W6	W6	☐ Linear	35	Mfr. Spec	2	New	☐	70	NA: < 6200 lumens	☐	☐
W7	W7	☐ Linear	20	Mfr. Spec	2	New	☐	40	NA: < 6200 lumens	☐	☐
W8	W8	☐ Linear	30	Mfr. Spec	17	New	☐	510	NA: < 6200 lumens	☐	☐
							Total Design Watts:	3249			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	COS STUDENT UNION	Report Page: (Page 5 of 9)
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G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating[2]			Uplight Rating[2]			Glare Rating (Lumens)[2]			Field Inspector	
		Mounting Height[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail
S2C	S2F	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G3	☐	☐
S2D	S2D	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G3	☐	☐
S2B	S2B	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G3	☐	☐
S2F	S2F	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G3	☐	☐
S2A	S2A	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G3	☐	☐
S1	S1	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐

[1] *FOOTNOTES: Mounting Height is labeled MH in this table.*
[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)*
[3] *BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	COS STUDENT UNION	Report Page: (Page 6 of 9)
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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Pedestrian Hardscape	Astronomical Timer	Provided	Provided	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	COS STUDENT UNION	Report Page: (Page 7 of 9)
		Date Prepared: 4/20/2026

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 170.2-R for Multifamily & Multifamily Mixed-Use

02	03	04	05
Area Description	Area Wattage Allowance (AWA)		
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)
[1]FOOTNOTES: Number of entrances to parking areas, trail heads, fee payment kiosks, outhouses and toilet facilities on site where lighting is within project scope.	**Initial Wattage Allowance for Entire Site (Watts):**		
	Instances of Initial Wattage Allowance (LZ 0 only)[1]		
	Total General Hardscape Allowance (Watts):		

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	COS STUDENT UNION	Report Page: (Page 8 of 9)
		Date Prepared: 4/20/2026

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Pedestrian Hardscape;

Teter, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of professional service, is not to be used in whole or in part, for any other project without prior written authorization.

MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENERGY COMPLIANCE DOCUMENTS

PROJECT NO.
23-12499

DRAWING
E901

PLOT DATE: 8/13/2026 11:08:39 AM
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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 9 of 9)**
Project Address: 915 S MOONEY BLVD.,	**Date Prepared:**	4/20/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: BRYAN GLASS	Documentation Author Signature:
Company: Teter Architects & Engineers	Signature Date: 2026-04-20
Address: 7535 N PALM AVE STE 201	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: BRYAN GLASS	Responsible Designer Signature:
Company: TETER	Date Signed: 2026-04-20
Address: 7535 N PALM AVE STE 201	License: E17773
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 1 of 7)**
Project Address: 915 S MOONEY BLVD.,	**Date Prepared:**	7/17/2025

This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hote//motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4Bvii

A. GENERAL INFORMATION

01	Project Location (city)	VISALIA	02	Climate Zone	13
			03	Occupancy Types Within Project:	All Other OccupanciesGroceryMulti-family/ MF Mixed-use >=4 storiesOfficeRetailSupport AreasWarehouse

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01 Electrical Service Designation/ Description	02 Scope of Work[1]	03 Rating[2] (kVA)	04 Utility Provided Metering System Exception to 130.5(a)/ 160.6(a)[3]	05 System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	06 Demand Response Controls	07 Provides power to dwelling units/common living areas only in multifamily occupancy
SWITCHBOARD MSB	New electrical service equipment and meter	1005	☒	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/ 160.3, 130.1/ 160.5, and 130.3/ 160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1] *FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.*
[2] *If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.*
[3] *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.*

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	7/17/2025

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05	06
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	**Compliance Results**
Yes	AND	Yes	AND	Yes	AND	Yes		COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	7/17/2025

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/ 160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01 Load Type per Table 130.5-B[1]	02 Minimum Required Separation of Load per Table 130.5-B	03 Compliance Method[2]	04 Location of Requirements in Construction Documents	05 Field Inspector Pass	05 Field Inspector Fail
SWITCHBOARD MSB					
Lighting including exit, egress and exterior	All lighting disaggregated by floor, type or area	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	E702	☐	☐
HVAC systems and components	All HVAC in aggregate and each HVAC load rated at least 50 kVA	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	E701, E702	☐	☐
Plug Loads and appliances less than 25kVA	All plug loads separated by floor, type or area Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	E702	☐	☐
Elevators, escalators, moving walkways	All loads in aggregate	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	E702	☐	☐

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	7/17/2025

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/ 160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01 Load Type per Table 130.5-B[1]	02 Minimum Required Separation of Load per Table 130.5-B	03 Compliance Method[2]	04 Location of Requirements in Construction Documents	05 Field Inspector Pass	05 Field Inspector Fail
Renewable power sources (net or total)	Each group	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	E701	☐	☐

** NOTES: If "Other** is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

[1] *FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.*
[2] *Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.*
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.
Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Pii// 180.2(b)4Bviic.

01 Electrical Service Designation/Description	02 Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				03 Location of Voltage Drop Calculations[1]	04 Sheet Number for Voltage Drop Calculations in Construction Documents	05 Field Inspector Pass	05 Field Inspector Fail
SWITCHBOARD MSB	☐	Voltage drop less than 5%	☒	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	E701, E702	☐	☐

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	7/17/2025

H. VOLTAGE DROP

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

SWITCHBOARD MSB	Exception

[1] *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".*

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(d)/ 160.6(d).. Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01 Room name or Description	02 Location/ Type of Controlled Receptacles[1]	03 Shut-Off Controls	04 Demand Responsive Controls	05 Permanent Durable Marking Will be Used	06 Location of Requirements in Construction Documents	07 Field Inspector Pass	07 Field Inspector Fail
OFFICES	Within 6ft of uncontrolled receptacle	Auto Time-Switch with applicable overrides	Included w capabilities per 110.12(e)	☒		☐	☐

** NOTES: If "Other*" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.*

[1] *FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are excepted from the requirements. .*

J. ELECTRIC READY BUILDINGS

This table includes electrical system requirements that must be met when using gas or propane heating, cooking or clothes drying in multifamily occupancies to demonstrate compliance with 160.9.

01	Systems serving multifamily occupancy that use gas or propane include:	☐	Furnaces serving individual dwelling units	☐	Cooktops serving individual dwelling units	☐	Clothes dryers serving individual dwelling units	☐	Clothes dryers in common areas	☒	None of these

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	7/17/2025

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 7 of 7)**
Project Address: 915 S MOONEY BLVD.,	**Date Prepared:**	7/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: BRYAN GLASS Teter Architects & Engineers	Documentation Author Signature:
Company: Teter Architects & Engineers	Signature Date: 2026-04-20
Address: 7535 N PALM AVE STE 201	CEA/ HERS Certification Identification (if applicable): 45D3-E54B-7F91-2C98-D6AB-CBA0-0AEE-883B-FC4A-3D90-D8EB-0C15-086E-E5F5-4DCC-5DA0
City/State/Zip: FRESNO CA 93711	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: BRYAN GLASS	Responsible Designer Signature:
Company: TETER	Date Signed: 2026-04-20
Address: 7535 N PALM AVE STE 201	License: E17773
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name: COS STUDENT UNION	**Report Page:**	**(Page 1 of 4)**
Project Address:	**Date Prepared:**	7/18/2025

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft^2 of roof area. Alterations, or additions of less than 2,000 ft^2 of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

A. GENERAL INFORMATION

01	Project Location (city)	VISALIA	04	Building Occupancies	All Other OccupanciesGroceryOfficeRetailSupport AreasWarehouse
02	Climate Zone	13	05	Construction Type	New construction
03	Conditioned Floor Area (ft^2)	34491	06	Number of Stories	Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)

	01	
☐	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)	The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g and h) as documented in Table J.
☐	Exception to PV and Battery: Not enough Solar Access Roof Area	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.
☐	Exception to PV and Battery: Required PV < 4kW	The required PV system size is less than 4 kW dc as documented in Table J..
☐	Exception to PV and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.
☐	Exception to PV and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.
☐	Exception to PV and Battery: Multi-tenant without VNEM or Community Solar	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.
☒	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.	

Teter, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of professional service, is not to be used in whole or in part, for any other project without prior written authorization.

MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
ENERGY COMPLIANCE DOCUMENTS

PROJECT NO.
23-12499

DRAWING
E903

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PLOT DATE: 8/13/2026 11:08:42 AM

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamilly and hotel/ motel occupancies only)
01
☐ The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04		05		06		07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	COMPLIES
(See Table F)				(See Tables G or J)				(See Table H)				(See Table I)		
	<=		OR		<=		OR		<=		OR			
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).														
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.														COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

A. GENERAL INFORMATION

01	Project Location (city)	VISALIA	
02	Climate Zone	13	
03	Occupancy Types within Project	☐	Healthcare Facility
		☐	Multifamily/ MF Mixed-use >= 4 stories (includes dormitory, senior living)

B. PROJECT SCOPE

This table includes illuminated signs that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.8/ 170.2(e) or 141.0(b)2M/ 180.2(b)4Bvi for alterations. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to 140.8/ 170.2(e) and do not need to complete this compliance document.

01	02	03	04	05
Name or Item Tag	Complete Sign Description	Sign Status[1]	Sign Type	Compliance Method[2]
THE UNION	COURT EXTERIOR SIGN	New	Outdoor	Max Allowed Lighting Power
THE UNION	BUILDING EXTERIOR SIGN LIGHT	New	Outdoor	Max Allowed Lighting Power
THE UNION	BUILDING EXTERIOR NORTH EAST SIGN	New	Outdoor	Max Allowed Lighting Power
THE UNION	BUILDING EXTERIOR SOUTH EAST SIGN	New	Outdoor	Max Allowed Lighting Power

[1]*FOOTNOTE: Sign alterations that increase the connected lighting load, replace and rewire more that 50% of the ballasts, or relocate the sign to a different location must comply with 140.8/ 170.2(e). See 141.0(b)2M/ 180.2(b)4Bvi for more details.*
[2]*The ENERGY VERIFIED Label compliance method is only applicable if the sign has a permanent, factory-installed, ENERGY VERIFIED label certified by UL or comparable, confirming the sign complies with 140.8/ 170.2(e). Note that using an ENERGY VERIFIED label is an optional compliance path, not a mandatory requirement. See the tooltips for this table for more details.*

F. MAXIMUM ALLOWED LIGHTING POWER AND CONTROLS

01	02	03	04	05	06	07	08			09	
							Mandatory Controls			Field Inspector	
Name or Item Tag	Complete Sign Description	Illumination Method	Sign Area (ft²)	Allowed Density (W/ft²)	Allowance (Watts)	Design Watts	Shut-Off	Dimming	Demand Response[1]	Pass	Fail
THE UNION	BUILDING EXTERIOR NORTH EAST SIGN	Externally	80	2.3	184	84	Automatic Time Switch + Photocontrol (outdoor)	NA: Illuminated <1 hour during day		☐	☐
		10	11		12	13		14			
		Luminaire Name or Item Tag	Complete Luminaire Description		Watts per luminaire	How is Wattage determined		Total Number of Luminaires			
		LL1	FLOOD LIGHT WITH TOP MOUNTED UBV VISOR		21	Mfr. Spec		4			
01	02	03	04	05	06	07	08			09	
							Mandatory Controls			Field Inspector	
Name or Item Tag	Complete Sign Description	Illumination Method	Sign Area (ft²)	Allowed Density (W/ft²)	Allowance (Watts)	Design Watts	Shut-Off	Dimming	Demand Response[1]	Pass	Fail
THE UNION	BUILDING EXTERIOR SOUTH EAST SIGN	Externally	80	2.3	184	63	Automatic Time Switch + Photocontrol (outdoor)	NA: Illuminated <1 hour during day		☐	☐
		10	11		12	13		14			
		Luminaire Name or Item Tag	Complete Luminaire Description		Watts per luminaire	How is Wattage determined		Total Number of Luminaires			
		LL1	FLOOD LIGHT WITH TOP MOUNTED UBV VISOR		21	Mfr. Spec		3			

F. ALLOCATED SOLAR ZONE

This section does not apply to this project.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This section does not apply to this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included Table E. Additional Remarks and ExceptionalConditionMessageCCSABE += UserChangedSelectionInCI. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables B through H. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03		04	OR	05	OR	06	07
Name or Item Tag (See Table B)	Complete Sign Description (See Table B)	Total Allowed (Watts) (See Table F)	≥	Total Designed (Watts) (See Table F)		Compliant Light Sources (See Table G)		ENERGY VERIFIED Label (See Table H)	**Compliance Results**
THE UNION	COURT EXTERIOR SIGN	460	≥	306	**OR**		**OR**		COMPLIES
								Controls Compliance (See Table F/G/H for Details)	COMPLIES
THE UNION	BUILDING EXTERIOR SIGN LIGHT	360	≥	120	**OR**		**OR**		COMPLIES
								Controls Compliance (See Table F/G/H for Details)	COMPLIES
THE UNION	BUILDING EXTERIOR NORTH EAST SIGN	184	≥	84	**OR**		**OR**		COMPLIES
								Controls Compliance (See Table F/G/H for Details)	COMPLIES
THE UNION	BUILDING EXTERIOR SOUTH EAST SIGN	184	≥	63	**OR**		**OR**		COMPLIES
								Controls Compliance (See Table F/G/H for Details)	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. MAXIMUM ALLOWED LIGHTING POWER AND CONTROLS

** NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Sign within tunnel illuminated day and night; EXCEPTION to 130.3(a)2A.*

[1] *FOOTNOTE: Demand response controls are only required for an Electronic Message Center having a new connected lighting power load greater than 15 kW per 110.12(d)*

G. LIGHT SOURCES AND CONTROLS

This section does not apply to this project.

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTS-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: BRYAN GLASS	Documentation Author Signature:
Company: Teter Architects & Engineers	Signature Date: 2026-04-20
Address: 7535 N PALM AVE STE 201	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: FRESNO CA 93711	Phone: FRESNO CA 93711

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: BRYAN GLASS	Responsible Designer Signature:
Company: TETER	Date Signed: 2025-07-18
Address: 7535 N PALM AVE STE 201	License: FRESNO CA 93711
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

F. MAXIMUM ALLOWED LIGHTING POWER AND CONTROLS

This table includes illuminated signs using the Maximum Allowed Lighting Power compliance method per 140.8(a) /170.2(e) as indicated on Table B of this compliance document. It also demonstrates compliance with mandatory controls requirements from 130.3 /160.5(d) by indicating control types for each sign.

01	02	03	04	05	06	07	08			09	
							Mandatory Controls			Field Inspector	
Name or Item Tag	Complete Sign Description	Illumination Method	Sign Area (ft²)	Allowed Density (W/ft²)	Allowance (Watts)	Design Watts	Shut-Off	Dimming	Demand Response[1]	Pass	Fail
THE UNION	COURT EXTERIOR SIGN	Externally	200	2.3	460	306	Astronomical Time Switch (outdoor)	NA: Illuminated <1 hour during day		☐	☐
		10	11		12	13		14			
		Luminaire Name or Item Tag	Complete Luminaire Description		Watts per luminaire	How is Wattage determined		Total Number of Luminaires			
		U2	RECESSED 4' LINEAR INGRADE LIGHT FIXTURE		51	Mfr. Spec		6			
01	02	03	04	05	06	07	08			09	
							Mandatory Controls			Field Inspector	
Name or Item Tag	Complete Sign Description	Illumination Method	Sign Area (ft²)	Allowed Density (W/ft²)	Allowance (Watts)	Design Watts	Shut-Off	Dimming	Demand Response[1]	Pass	Fail
THE UNION	BUILDING EXTERIOR SIGN LIGHT	Internally	30	12	360	120	Astronomical Time Switch (outdoor)	NA: Illuminated <1 hour during day		☐	☐

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Gene Vea	Documentation Author Signature:
Company: TETER INC	Signature Date: 2026-04-20
Address: 7535 N PALM AVE STE 201	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: FRESNO CA 93711	Phone:

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Responsible Designer Name: BRYAN GLASS	Responsible Designer Signature:
Company: TETER INC	Date Signed: 2026-04-20
Address: 7535 N PALM AVE STE 201	License: E17773
City/State/Zip: FRESNO CA 93711	Phone: 559-437-0887

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MARK	DATE	DESCRIPTION
A	08/14/26	DSA BACKCHECK

04/24/26

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA. 93277

DRAWING TITLE
ENERGY COMPLIANCE DOCUMENTS

PROJECT NO.
23-12499

DRAWING
E904

PLOT DATE: 8/13/2026 11:08:50 AM

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FIRE PROTECTION SHEET INDEX

SHEET NUMBER	SHEET NAME
FP000.0	GENERAL INFORMATION
FP100.0	SITE PLAN
FP101.0	SEISMIC CALCULATIONS
FP210.0	FIRST FLOOR PIPING PLAN
FP220.0	SECOND FLOOR PIPING PLAN
FP300.0	ELEVATIONS
FP400.0	SECTIONS
FP611.0	FIRST FLOOR REFLECTED CEILING PLAN
FP621.0	SECOND FLOOR REFLECTED CEILING PLAN
FP800.0	DETAILS

SPRINKLER SCHEDULE

Sprinkler Symbol	Count	Manufacturer	Model	Orifice Size	K-Factor	Temperature Rating	Orientation
■◦	2	Viking	VK176	0"	5.6	155 °F	DRY PENDENT
◁◦	4	Viking	VK178	0"	5.6	175 °F	DRY SIDEWALL
○	82	VIKING CORP	VK300	1/2"	5.6	200 °F	UPRIGHT
◁	58	VIKING CORP	VK481	1/2"	5.6	205 °F	CONCEALED SIDEWALL
●	311	VIKING CORP	VK4621	1/2"	5.6	155 °F	CONCEALED PENDENT

PIPING SYSTEM SCHEDULE

PRODUCT	MANUFACTURER	SCHEDULE	MATERIAL TYPE
MAINS	WHEATLAND OR EQUAL	SCH 10	STEEL
BRANCHLINES > 1"	WHEATLAND OR EQUAL	SCH 10	STEEL
BRANCHLINES 1" & LESS	WHEATLAND OR EQUAL	SCH 40	STEEL
GROOVED FITTINGS	VICTAULIC OR EQUAL	175 PSI	DUCTILE IRON
THREADED FITTINGS	ANVIL OR EQUAL	175 PSI	DUCTILE IRON

FIRE PROTECTION ABBREVIATIONS

A.D.	ACCESS DOOR
A.F.F.	ABOVE FINISHED FLOOR
ALP.	ALARM PANEL
A.P.	ACCESS PANEL
B.F.F.	BELOW FINISHED FLOOR
B.F.P.	BACKFLOW PREVENTOR
C.P.	CONTROL PANEL
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
ELEV	ELEVATION
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FHC	FIRE HOSE VALVE CONNECTION (2-1/2")
FHV	FIRE HOSE VALVE
FLR	FLOOR
FS	FLOW SWITCH NORMALLY CLOSED N.C.
N.I.C	NOT TO SCALE
N.T.S.	NOT IN CONTRACT
OS&Y	OUTSIDE STEM AND YOKE GATE VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
TS	TAMPER SWITCH
TYP.	TYPICAL THROUGHOUT
PIV	POST INDICATOR VALVE

HYDRAULIC CALCULATION CRITERIA

1. ALL SPRINKLER SYSTEMS THROUGHOUT THE BUILDING SHALL BE HYDRAULICALLY CALCULATED BASED ON COORDINATED SHOP DRAWINGS.

2. SPRINKLER SYSTEM LAYOUT AND CALCULATIONS SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, NFPA 13, OWNER'S INSURANCE COMPANY REQUIREMENTS AND GOOD ENGINEERING PRACTICE.

3. OCCUPANCY CLASSIFICATION:
   A. LIGHT HAZARD OCCUPANCY: CLASSROOMS, CORRIDORS, COMMON AREAS.
   B. ORDINARY HAZARD GROUP-1 OCCUPANCY: STORAGE, MECHANICAL, ELECTRICAL ROOMS, COMMERCIAL KITCHENS
   C. ORDINARY HAZARD GROUP-2 OCCUPANCY: LABS, VOCATIONAL SHOPS.
   D. EXTRA HAZARD GROUP-2 AUTOMOTIVE TECHNOLOGY LAB, FUEL STORAGE, CHEMICAL STORAGE, INDUSTRIAL MAINTENANCE LAB

4. SPRINKLERS PROTECTING LIGHT HAZARD OCCUPANCY SHALL PROVIDE A MINIMUM DENSITY DISCHARGE OF .10 GPM/SQ.FT. OVER MOST HYDRAULICALLY REMOTE 1,500 SQ.FT., MAXIMUM COVERAGE PER SPRINKLER HEAD- 225 SQ.FT.

5. SPRINKLERS PROTECTING ORDINARY HAZARD GROUP-1 OCCUPANCY SHALL PROVIDE A MINIMUM DENSITY DISCHARGE OF .15 GPM/SQ.FT. OVER MOST HYDRAULICALLY REMOTE 1,500 SQ.FT., MAXIMUM COVERAGE PER SPRINKLER HEAD- 130 SQ.FT.

6. SPRINKLERS PROTECTING ORDINARY HAZARD GROUP-2 OCCUPANCY SHALL PROVIDE A MINIMUM DENSITY DISCHARGE OF .20 GPM/SQ.FT. OVER MOST HYDRAULICALLY REMOTE 1,500 SQ.FT., MAXIMUM COVERAGE PER SPRINKLER HEAD- 130 SQ.FT.

7. SPRINKLERS PROTECTING EXTRA HAZARD GROUP-2 OCCUPANCY SHALL PROVIDE A MINIMUM DENSITY DISCHARGE OF .40 GPM/SQ.FT. OVER MOST HYDRAULICALLY REMOTE 2,500 SQ.FT., MAXIMUM COVERAGE PER SPRINKLER HEAD- 100 SQ.FT.

8. MINIMUM PRESSURE AT ANY SPRINKLER HEAD SHALL BE AS REQUIRED BY HYDRAULIC CALCULATIONS BUT IN NO CASE LESS THEN 7-PSI.

EDUCATIONAL OCCUPANCY DESIGN CRITERIA

- LIGHT HAZARD OCCUPANCY (CLASSROOMS, OFFICES, *AUDITORIUMS, COMMON CORRIDORS, LIBRARY READING AREAS WITHOUT HIGH STACKS)- DENSITY .10 GPM PER SQUARE FOOT OVER THE MOST HYDRAULICALLY REMOTE 1500 SQUARE FEET MAXIMUM COVERAGE PER SPRINKLER HEAD 225 SQUARE FEET.
- ORDINARY HAZARD GP-1 OCCUPANCY (KITCHENS, MULTI-PURPOSE ROOMS, LARGE STORAGE AREAS, STAGES [AS DEFINED IN 2022 CBC 410.3])- DENSITY .15 GPM PER SQUARE FOOT OVER THE MOST HYDRAULICALLY REMOTE 1500 SQUARE FEET MAXIMUM COVERAGE PER SPRINKLER HEAD 130 SQUARE FEET.
- ORDINARY HAZARD GP-2 OCCUPANCY (SCIENCE LABS, VOCATIONAL SHOPS, STAGES 1,000SQFT IN AREA OR >50'-0 IN HEIGHT, LIBRARY READING AREAS WITH HIGH STACKS)- DENSITY .20 GPM PER SQUARE FOOT OVER THE MOST HYDRAULICALLY REMOTE 1500 SQUARE FEET MAXIMUM COVERAGE PER SPRINKLER HEAD 130 SQUARE FEET.
- NFPA 13, A.5.1, A.5.3.1, A.5.3.2 *IF ALSO FUNCTIONS AS MULTI-PURPOSE ROOM, USE ORDINARY HAZARD GROUP 1
- MINIMUM PRESSURE AT SPRINKLER HEAD 7 PSI.
- DISCHARGE FROM EACH SPRINKLER HEAD SHALL NOT BE LESS THAN THAT REQUIRED IN NFPA 13 2022 EDITION.

GENERAL NOTES

1. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS FOR THE CONTRACTOR TO FURNISH AND INSTALL A COMPLETE NEW WET FIRE SPRINKLER PROTECTION SYSTEM FOR THE BUILDING IN FULL COMPLIANCE WITH THE STATE OF CALIFORNIA AND BUILDING CODES INCLUDING: VALVES, RISERS, AND ALARMS AS REQUIRED. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL INSTALLATION ASPECT OF THE FIRE PROTECTION SYSTEM IN ACCORDANCE WITH APPLICABLE CODES.

2. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION INCLUDING BUT NOT LIMITED TO, STATE BUILDING AND FIRE CODES AND ALL APPENDICES, THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD NO. 13, 14 & 20 AS ADOPTED BY THE STATE OF CALIFORNIA, AND THE OWNER'S INSURANCE UNDERWRITERS.

3. IF THERE ARE ANY QUESTIONS CONCERNING WHAT THE INSURANCE UNDERWRITER WILL REQUIRE IN ORDER TO APPROVE THE COMPLETED INSTALLATION (PIPING SIZING, LOCATION OF RISERS, TEST STATIONS, HYDRANTS, ALARMS, ETC.) THE BIDDER SHALL CONSULT WITH THE INSURANCE UNDERWRITER BEFORE SUBMITTING HIS BID. FAILURE TO CONSULT WITH THE INSURANCE UNDERWRITER DOES NOT RELIEVE THIS CONTRACTOR FROM HIS RESPONSIBILITY BY THE COMPLETION OF ANY AND ALL WORK REQUIRED WITH NO EXTRA CHARGES TO THE OWNER.

4. FURNISH ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND SUPERVISION REQUIRED FOR THE INSTALLATION OF COMPLETE SYSTEMS AND ALL NECESSARY PIPING, SPRINKLER HEADS, TEST CONNECTIONS, VALVES, DRAINS AND SPRINKLER ALARMS, FLOW SWITCHES, HORNS OR GONGS, DETECTOR CHECK VALVES, SIAMESE FIRE DEPARTMENT CONNECTIONS, PRESSURE GAUGES, AND OTHER REQUIRED COMPONENTS.

5. ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. CONTRACTOR SHALL PROVIDE PROOF OF COMPLIANCE WITH THIS REQUIREMENT UPON REQUEST.

6. ALL SPRINKLER PIPING SHALL BE CONCEALED IN ALL FINISHED AREAS, AVOIDING INTERFERENCE WITH LIGHTS, DUCTS, PIPES, ETC. BALANCE MAY BE RUN EXPOSED. ANY CONFLICTS DURING INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.

7. SPRINKLER HEADS SHALL NOT INTERFERE WITH LIGHTING FIXTURES, SPEAKERS, AIR CONDITIONING DIFFUSERS AND GRILLES, ETC. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PRIOR TO SUBMITTING SHOP DRAWING.

8. EXACT LOCATION OF SPRINKLER HEADS AND PIPING SHALL BE COORDINATED WITH OTHER TRADES AND THE ARCHITECT'S REFLECTED CEILING PLAN BEFORE INSTALLATION.

9. CUTTING AND NOTCHING OF JOISTS IS NOT ACCEPTABLE AND WILL NOT BE PERMITTED. ANY DAMAGE CAUSED TO THE BUILDING STRUCTURE DURING INSTALLATION SHALL BE REPAIRED AT THIS CONTRACTORS EXPENSE.

10. ALL ELECTRICAL REQUIREMENTS FOR FIRE PROTECTION AND SPRINKLER SYSTEM ARE TO BE INCLUDED AS PART OF THIS CONTRACTOR'S RESPONSIBILITY. THIS CONTRACTOR SHALL SUB-CONTRACT FOR ALL WIRING AND RELATED COMPONENT REQUIREMENTS WITH SEPARATE ELECTRICAL CONTRACTOR. ALARM WIRING REQUIREMENTS FOR THE FIRE PROTECTION AND ALARM SYSTEM ARE TO BE INCLUDED IN THIS WORK.

11. WHEN COMPLETED, THE ENTIRE SPRINKLER SYSTEM SHALL BE TESTED IN ACCORDANCE WITH CHAPTER 25 OF NFPA 13 AND AS REQUIRED BY THE RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION. ALL SYSTEMS MUST BE FREE OF LEAKS AND ANY OTHER DEFECTS.

12. ALL EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR AFTER ACCEPTANCE BY THE OWNER AND ARCHITECT, AGAINST DEFECTIVE MATERIALS AND LABOR AND IMPROPER DESIGN.

13. CONTRACTOR SHALL MAKE AN ALLOWANCE FOR A MINIMUM OF 5% ADDITIONAL SPRINKLER HEADS TO BE INSTALLED AS TO PROVIDE ADEQUATE COVERAGE DUE TO ANY OBSTRUCTIONS, DUCTWORK, PIPING, ETC. INSTALLED DURING CONSTRUCTION WHICH MAY ALTER THE ORIGINAL SPRINKLER DESIGN.

14. FURNISH SPRINKLER CABINETS OF FINISHED STEEL AND HINGED COVER SIMILAR TO POTTER-ROEMER FIG. 6162 WITH SPACE FOR A MINIMUM OF 6 SPARE SPRINKLER HEADS PLUS SPRINKLER WRENCH FOR EACH TYPE, SUITABLE FOR WALL MOUNTING. FURNISH SIX (6) EXTRA SPRINKLER HEADS, WITH A MINIMUM OF (2) OF EACH TYPE. THIS SHALL ALSO INCLUDE ESCUTCHEONS.

15. INSTALL SPRINKLER PIPING TO PROVIDE FOR SYSTEM DRAINAGE IN ACCORDANCE WITH NFPA 13.

16. INSTALL SPRINKLER PIPING ACCORDING TO NFPA 13 VIBRATION ISOLATION AND SEISMIC RESTRAINTS.

17. CONTRACTOR TO PAY FOR AND SUPPLY ALL DUMPSTERS FOR DEBRIS REMOVAL, COORDINATE AND OBTAIN APPROVAL FOR DUMPSTER LOCATIONS ON SITE AND DEBRIS REMOVAL ROUTES WITH THE CONSTRUCTION MANAGER.

18. INSTALL NON-COMBUSTIBLE HOODS OR SHIELDS ABOVE IMPORTANT ELECTRICAL EQUIPMENT FOR PROTECTION FROM SPRINKLER DISCHARGE PER NFPA 13, 8.14.10.2.

19. WHERE WORK BETWEEN THESE DRAWINGS AND ARCHITECTURAL PLANS ARE IN CONFLICT, ADVISE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION OF SPRINKLER WORK.

20. ALL SPRINKLER DRAINS SHALL RUN TO SAFE LOCATIONS TO PREVENT OVERFLOW OF DRAINS.

21. PORTABLE FIRE EXTINGUISHERS, IF REQUIRED (OF REQUIRED CLASS AND CAPACITY) ARE NOT PART OF THIS CONTRACT.

22. ALL PIPING SYSTEMS SHOWN ON THESE DRAWINGS ARE DIAGRAMMATIC AND EVERY ATTEMPT HAS BEEN MADE TO INDICATE OFFSETS AND PIPING ARRANGEMENTS TO SUIT ACTUAL INSTALLATION REQUIREMENTS. HOWEVER, SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE G.C. AND ALL OTHER TRADES WHEN LAYING OUT HIS WORK TO ENSURE CONFLICT AVOIDANCE.

23. AS THE ACTUAL LIFE SPAN OF THE SPRINKLER SYSTEM IS DEPENDENT ON MANY VARIABLES, INCLUDING BUT NOT LIMITED TO WATER QUALITY AND ATMOSPHERIC CONDITIONS, THE ENGINEER ASSUMES NO LIABILITY OR RESPONSIBILITY OF THE LIFE SPAN OF THE SPRINKLER SYSTEM DUE TO MICRO-BIOLOGICALLY INFLUENCED CORROSION (MIC). THE SPRINKLER CONTRACTOR AND/OR THE GENERAL CONTRACTOR SHALL HAVE THE SPRINKLER SYSTEM TESTED AND TREATED (IF NECESSARY) FOR PROTECTION AGAINST MICRO-BIOLOGICALLY INFLUENCED CORROSION (MIC).

24. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL DRAWINGS, SPECIFICATIONS, CALCULATIONS, ETC. HAVE BEEN APPROVED BY DSA.

25. FUME HOOD DUCTS SHALL BE PROTECTED BY PENDENT SPRINKLERS IN ACCORDANCE WITH CFC 2022 903.2.11.4 AND CMC 2022 506.8. SPRINKLERS SHALL BE INSTALLED AT EACH CHANGE IN DIRECTION AND AT THE TOP OF THE VERTICAL DUCT.

26. THE INSTALLATING CONTRACT SHALL SUBMIT THEIR OWN SHOP DRAWINGS, CALCULATIONS, AND TECHINCAL SUBMITALS FOR REVIEW PRIOR TO INSTALLATION.

27. IN AREAS WITH MECHANICAL PLATFORMS AND/OR CLOUD CEILINGS, THE OVERHEAD IS PROTECTED BY UPRIGHTS WHILE DROPPING DOWN WITH PENDENTS TO PROTECT BELOW THE PLATFORM/CLOUD.

28. ALL PENDENT SPRINKLERS ARE CONNECTED UTILIZING VICTAULIC VICFLEX 31" FLEX HOSES. AB1 BRACKETS SHALL BE USED TO MOUNT IN ACT CEILINGS AND AB5 BRACKETS USED ON ANY FRAMED CEILINGS.

29. ALL UNDERGROUND PIPING SHALL BE C900 OR EQUIVALENT.

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MARK	DATE	DESCRIPTION
C	8-14-2026	DSA BACKCHECK

TETER, LLP
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
GENERAL INFORMATION

PROJECT NO.
23-12499

DRAWING
FP000.0

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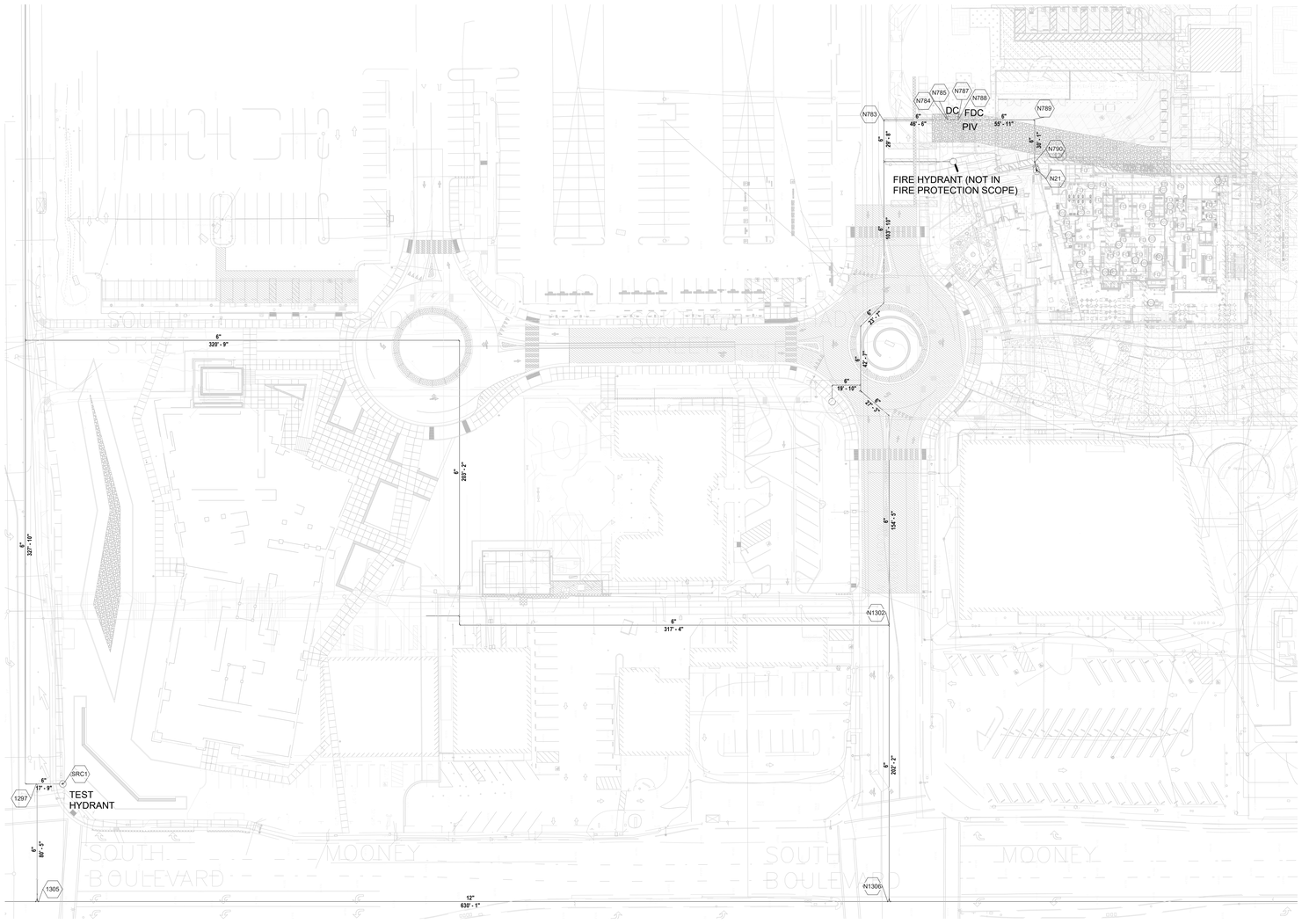


1 FIRE PROTECTION - SITE PLAN
1" = 40'-0"

California Water Service Company
Fire Flow Test

10/13/2025

Test Date: 10/13/2025 Time: 6:45
District: VISALIA Zone: Plat: 31-32
Address: S Mooney BLVD
Cross Street: W Tulare AVE
Requested By: Jon Coulter
Conducted By: Gilbert
Purpose Of Test: Determine Available Flow
Witnessed By: Calwater: Rene
Others:

Outlet No.	Outlet Size	PITOT	Observed	Static Pressure	Residual Pressure	Flow Observed	Flow Avail. @20
Location 1 Hydrant No.:Vis-168			Address: 2015 W Tulare Ave.				
1	2.50	14	628	77	67	2802	7173
2	4.50	16	2175				
3							
4							
Location 2 Hydrant No.:-			Address:				
1							
2							
3							
4							
Location 3 Hydrant No.-			Address:				
1							
2							
3							
4							
			Total Flow Observed Available @20:			2802	7173

Remarks:

Static/Residual Location: Vis-298 W Tulare Ave. and S Mooney Blvd.

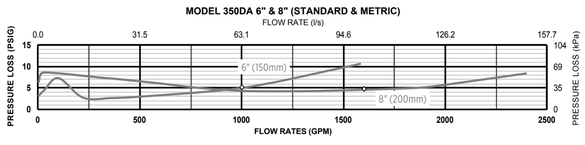
Note:
Regardless of the results of this test, California Water Service Company assumes no liability beyond that stated in the following excerpt from the P.U.C. Tariff Schedule: "The utility (California Water Service Company) will supply only such water at such pressure as may be available from time to time as a result of its normal operation of the system."

SITE PLAN NOTES

1. FIRE PROTECTION SERVICE AND ALL ITS APPURTENANCES ARE SHOWN FOR HYDRAULIC CALCULATION PURPOSES ONLY.
2. LOCATION OF LINES AND EQUIPMENT ARE FOR REFERENCE ONLY HOWEVER THE FIRE SERVICE LINE SHALL BE A MINIMUM OF 6" DIAMETER.
3. SITE CIVIL PLANS SHALL BE CONSULTED FOR ALL UNDERGROUND WORK. UNDERGROUND IS NOT IN THE FIRE PROTECTION SCOPE. FP SCOPE BEGINS 1-0" AFF IN THE RISER ROOM.
4. ANY DISCREPANCY BETWEEN THIS SITE PLAN AND THOSE OF THE SITE CIVIL DESIGN SHALL DEFER TO THE SITE CIVIL PLAN IN ALL INSTANCES.
5. DISTANCES SHOWN REFLECT CUT LENGTH DISTANCES AND ACCOUNT FOR FITTING TAKEOUTS. ACTUAL LENGTHS FROM POINT TO POINT SHOULD BE TAKEN FROM CIVIL PLANS.

WATERFLOW TEST INFORMATION	
STATIC	77psi
RESIDUAL	67psi
FLOW	628gpm

SERIES 350DA LOSS CURVE



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MARK	DATE	DESCRIPTION
C	8-14-2026	DSA BACKCHECK

TETER, LLP
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

STUDENT UNION BUILDING
COLLEGE OF THE SEQUOIAS
VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
SITE PLAN

PROJECT NO.
23-12499

DRAWING
FP100.0

Seismic Brace Report

Project Name Student Union
Date 07/18/2025
Address 915 S Mooney Blvd.
Visalia, CA 93277

APPROVAL STAMP
☐ Approved
☐ Approved as Noted
☐ Not Approved
Remarks:

Standard NFPA 13-2022

BRACE SUMMARY

Brace Name	Drawing Reference	Seismic Design Load	Structure	Brace Description	Fastener	Attachments
6-LT-1	Piping Plans	578 lbf.	Horizontal Beam Flange	Lateral Orientation 45° - 90° 1 1/4 NPS Sch 40		AF778 AF700 - 1/2" AF730 - 6 NPS
6-LG-1	Piping Plans	373 lbf.	Horizontal Beam Flange	Longitudinal Orientation 45° - 90° 1 1/4 NPS Sch 40		AF778 AF700 - 1/2" AF730 - 6 NPS
6-LT-2	Piping Plans	426 lbf.	Horizontal Beam Flange	Lateral Orientation 45° - 90° 1 1/4 NPS Sch 40		AF778 AF700 - 1/2" AF730 - 6 NPS
3-LT-1	Piping Plans	343 lbf.	Horizontal Beam Flange	Lateral Orientation 45° - 90° 1 1/4 NPS Sch 40		AF778 AF700 - 1/2" AF730 - 3 NPS
3-LG-1	Piping Plans	257 lbf.	Horizontal Beam Flange	Longitudinal Orientation 45° - 90° 1 1/4 NPS Sch 40		AF778 AF700 - 1/2" AF730 - 3 NPS

NOTE: Per NFPA 13-2022, all load capacities listed for fasteners installed in cracked concrete have been reduced based on the prying factors listed for ASC's swivel attachments. Prying factors for NFPA fastener orientations "A" through "I" may be found in ASC's individual product submittal at asc-es.com

NFPA 13-2016 Product loads incorporate a minimum safety factor of 1.5. NFPA 13-2019 FM Product loads have been reduced to include a safety factor of 2.2 unless noted in the applicable product submittal.

The products specified within this report are limited to the capability of the sway brace assembly alone to resist the calculated seismic force resulting from user input . Point loads applied to structural elements as a result of seismic forces are not evaluated by the software. The seismic load rating of the fastener attached to a structural element is determined by one of the following: NFPA 13, UL listing, FM Global approval, or other empirical testing. The review of the of the structural element(s) as a whole and/or the entire structure and its ability to resist the seismic load(s) is beyond the scope of these seismic calculations.

ASC MAKES NO WARRANTIES , EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE, WITH RESPECT TO THE SOFTWARE OR THE SEISMIC CALCULATIONS, AND ASC SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

6-LT-1 - SEISMIC BRACE CALCULATIONS

Seismic Project Sway Brace
Standard NFPA 13-2022
Brace Type Lateral
Brace Name 6-LT-1
Drawing Reference Piping Plans
Approval Agency UL Listed

STRUCTURE INFORMATION

Structure	I-Beam/Joist
Substrate	Horizontal Beam Flange
Thickness	0.19 in.-0.75 in.
Load Orientation	Perpendicular to Beam

BRACE INFORMATION

Brace Member	1 1/4 NPS Sch 40
Brace Length Max	13 ft 6 in
Brace Angle	45° - 90°
Least Radius of Gyration	0.540 in.
l/r Ratio Max	300
Max Horizontal Load	788 lbf.

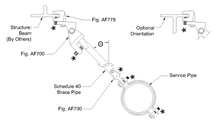
FASTENER INFORMATION

Fastener Name	N/A

SEISMIC BRACE ATTACHMENTS

	Model	Size	Adj. Load
Structural Att.	AF778	N/A	1,131 lbf.
Swivel Att.	AF700	1/2"	1,333 lbf.
Pipe Att.	AF730	6 NPS	1,333 lbf.

See Appendix A for alternate seismic brace attachments.
All seismic brace attachments manufactured by ASC Engineered Solutions.



** - denotes hardware shown with the bolt head or nut broken off, as per the product installation instructions*
Net Vertical Reaction Forces do not need to be addressed per NFPA 13-2022.

SPRINKLER SYSTEM LOAD CALCULATION ($F_{PW} = C_p * W_p$)
C_p = 0.351

Qty	Line	Description	Pipe Size/Type	Length	Weight/ft	Weight/Line	Total Weight
1	Main	Braced Pipe	6 NPS Steel Sch 10	20.00 ft.	23.03 lb/ft.	460.60 lb.	460.60 lb.
2	Branch 1	Segment A	2 NPS Steel Sch 10	95.00 ft.	4.22 lb/ft.	400.90 lb.	801.80 lb.
1	Branch 2	Segment A	2 NPS Steel Sch 10	40.00 ft.	4.22 lb/ft.	168.80 lb.	168.80 lb.

Weakest Main Size	Spacing	Max Fpw
6 NPS Steel Sch 10	20 ft.	4,039 lbf.

Total System Weight	1,431.20 lb.
System Design Weight (W_p)	1,646.00 lb.
Horizontal Seismic Load (Fpw)	578 lbf.

6-LG-1 - SEISMIC BRACE CALCULATIONS

Seismic Project Sway Brace
Standard NFPA 13-2022
Brace Type Longitudinal
Brace Name 6-LG-1
Drawing Reference Piping Plans
Approval Agency UL Listed

STRUCTURE INFORMATION

Structure	I-Beam/Joist
Substrate	Horizontal Beam Flange
Thickness	0.19 in.-0.75 in.
Load Orientation	Parallel to Beam

BRACE INFORMATION

Brace Member	1 1/4 NPS Sch 40
Brace Length Max	9 ft 0 in
Brace Angle	45° - 90°
Least Radius of Gyration	0.540 in.
l/r Ratio Max	200
Max Horizontal Load	1,774 lbf.

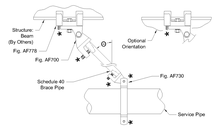
FASTENER INFORMATION

Fastener Name	N/A

SEISMIC BRACE ATTACHMENTS

	Model	Size	Adj. Load
Structural Att.	AF778	N/A	1,131 lbf.
Swivel Att.	AF700	1/2"	1,333 lbf.
Pipe Att.	AF730	6 NPS	1,333 lbf.

See Appendix A for alternate seismic brace attachments.
All seismic brace attachments manufactured by ASC Engineered Solutions.



** - denotes hardware shown with the bolt head or nut broken off, as per the product installation instructions*
Net Vertical Reaction Forces do not need to be addressed per NFPA 13-2022.

SPRINKLER SYSTEM LOAD CALCULATION ($F_{PW} = C_p * W_p$)
C_p = 0.351

Qty	Line	Description	Pipe Size/Type	Length	Weight/ft	Weight/Line	Total Weight
1	Main	Braced Pipe	6 NPS Steel Sch 10	40.00 ft.	23.03 lb/ft.	921.20 lb.	921.20 lb.

Total System Weight	921.20 lb.
System Design Weight (W_p)	1,060.00 lb.
Horizontal Seismic Load (Fpw)	373 lbf.

6-LT-2 - SEISMIC BRACE CALCULATIONS

Seismic Project Sway Brace
Standard NFPA 13-2022
Brace Type Lateral
Brace Name 6-LT-2
Drawing Reference Piping Plans
Approval Agency UL Listed

STRUCTURE INFORMATION

Structure	I-Beam/Joist
Substrate	Horizontal Beam Flange
Thickness	0.19 in.-0.75 in.
Load Orientation	Perpendicular to Beam

BRACE INFORMATION

Brace Member	1 1/4 NPS Sch 40
Brace Length Max	13 ft 6 in
Brace Angle	45° - 90°
Least Radius of Gyration	0.540 in.
l/r Ratio Max	300
Max Horizontal Load	788 lbf.

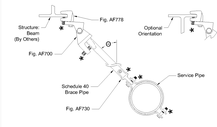
FASTENER INFORMATION

Fastener Name	N/A

SEISMIC BRACE ATTACHMENTS

	Model	Size	Adj. Load
Structural Att.	AF778	N/A	1,131 lbf.
Swivel Att.	AF700	1/2"	1,333 lbf.
Pipe Att.	AF730	6 NPS	1,333 lbf.

See Appendix A for alternate seismic brace attachments.
All seismic brace attachments manufactured by ASC Engineered Solutions.



** - denotes hardware shown with the bolt head or nut broken off, as per the product installation instructions*
Net Vertical Reaction Forces do not need to be addressed per NFPA 13-2022.

SPRINKLER SYSTEM LOAD CALCULATION ($F_{PW} = C_p * W_p$)
C_p = 0.351

Qty	Line	Description	Pipe Size/Type	Length	Weight/ft	Weight/Line	Total Weight
1	Main	Braced Pipe	6 NPS Steel Sch 10	40.00 ft.	23.03 lb/ft.	921.20 lb.	921.20 lb.
4	Branch 1	Segment A	1 NPS Steel Sch 40	10.00 ft.	2.05 lb/ft.	20.50 lb.	82.00 lb.
5	Branch 2	Segment A	1 NPS Steel Sch 40	5.00 ft.	2.05 lb/ft.	10.25 lb.	51.25 lb.

Weakest Main Size	Spacing	Max Fpw
6 NPS Steel Sch 10	40 ft.	1,900 lbf.

Total System Weight	1,054.45 lb.
System Design Weight (W_p)	1,213.00 lb.
Horizontal Seismic Load (Fpw)	426 lbf.

3-LT-1 - SEISMIC BRACE CALCULATIONS

Seismic Project Sway Brace
Standard NFPA 13-2022
Brace Type Lateral
Brace Name 3-LT-1
Drawing Reference Piping Plans
Approval Agency UL Listed

STRUCTURE INFORMATION

Structure	I-Beam/Joist
Substrate	Horizontal Beam Flange
Thickness	0.19 in.-0.75 in.
Load Orientation	Perpendicular to Beam

BRACE INFORMATION

Brace Member	1 1/4 NPS Sch 40
Brace Length Max	13 ft 6 in
Brace Angle	45° - 90°
Least Radius of Gyration	0.540 in.
l/r Ratio Max	300
Max Horizontal Load	788 lbf.

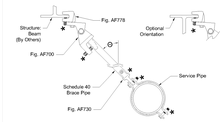
FASTENER INFORMATION

Fastener Name	N/A

SEISMIC BRACE ATTACHMENTS

	Model	Size	Adj. Load
Structural Att.	AF778	N/A	1,131 lbf.
Swivel Att.	AF700	1/2"	1,333 lbf.
Pipe Att.	AF730	3 NPS	770 lbf.

See Appendix A for alternate seismic brace attachments.
All seismic brace attachments manufactured by ASC Engineered Solutions.



** - denotes hardware shown with the bolt head or nut broken off, as per the product installation instructions*
Net Vertical Reaction Forces do not need to be addressed per NFPA 13-2022.

SPRINKLER SYSTEM LOAD CALCULATION ($F_{PW} = C_p * W_p$)
C_p = 0.351

Qty	Line	Description	Pipe Size/Type	Length	Weight/ft	Weight/Line	Total Weight
1	Main	Braced Pipe	3 NPS Steel Sch 10	35.00 ft.	7.94 lb/ft.	277.90 lb.	277.90 lb.
3	Branch 1	Segment A	2 NPS Steel Sch 10	45.00 ft.	4.22 lb/ft.	189.90 lb.	569.70 lb.

Weakest Main Size	Spacing	Max Fpw
3 NPS Steel Sch 10	35 ft.	543 lbf.

Total System Weight	847.60 lb.
System Design Weight (W_p)	975.00 lb.
Horizontal Seismic Load (Fpw)	343 lbf.

3-LG-1 - SEISMIC BRACE CALCULATIONS

Seismic Project Sway Brace
Standard NFPA 13-2022
Brace Type Longitudinal
Brace Name 3-LG-1
Drawing Reference Piping Plans
Approval Agency UL Listed

STRUCTURE INFORMATION

Structure	I-Beam/Joist
Substrate	Horizontal Beam Flange
Thickness	0.19 in.-0.75 in.
Load Orientation	Parallel to Beam

BRACE INFORMATION

Brace Member	1 1/4 NPS Sch 40
Brace Length Max	9 ft 0 in
Brace Angle	45° - 90°
Least Radius of Gyration	0.540 in.
l/r Ratio Max	200
Max Horizontal Load	1,774 lbf.

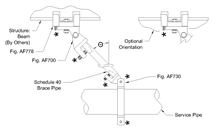
FASTENER INFORMATION

Fastener Name	N/A

SEISMIC BRACE ATTACHMENTS

	Model	Size	Adj. Load
Structural Att.	AF778	N/A	1,131 lbf.
Swivel Att.	AF700	1/2"	1,333 lbf.
Pipe Att.	AF730	3 NPS	770 lbf.

See Appendix A for alternate seismic brace attachments.
All seismic brace attachments manufactured by ASC Engineered Solutions.



** - denotes hardware shown with the bolt head or nut broken off, as per the product installation instructions*
Net Vertical Reaction Forces do not need to be addressed per NFPA 13-2022.

SPRINKLER SYSTEM LOAD CALCULATION ($F_{PW} = C_p * W_p$)
C_p = 0.351

Qty	Line	Description	Pipe Size/Type	Length	Weight/ft	Weight/Line	Total Weight
1	Main	Braced Pipe	3 NPS Steel Sch 10	80.00 ft.	7.94 lb/ft.	635.20 lb.	635.20 lb.

Total System Weight	635.20 lb.
System Design Weight (W_p)	731.00 lb.
Horizontal Seismic Load (Fpw)	257 lbf.

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915 S MOONEY BLVD. - VISALIA CA 93277

DRAWING TITLE
SEISMIC CALCULATIONS

PROJECT NO.
23-12499

DRAWING
FP101.0

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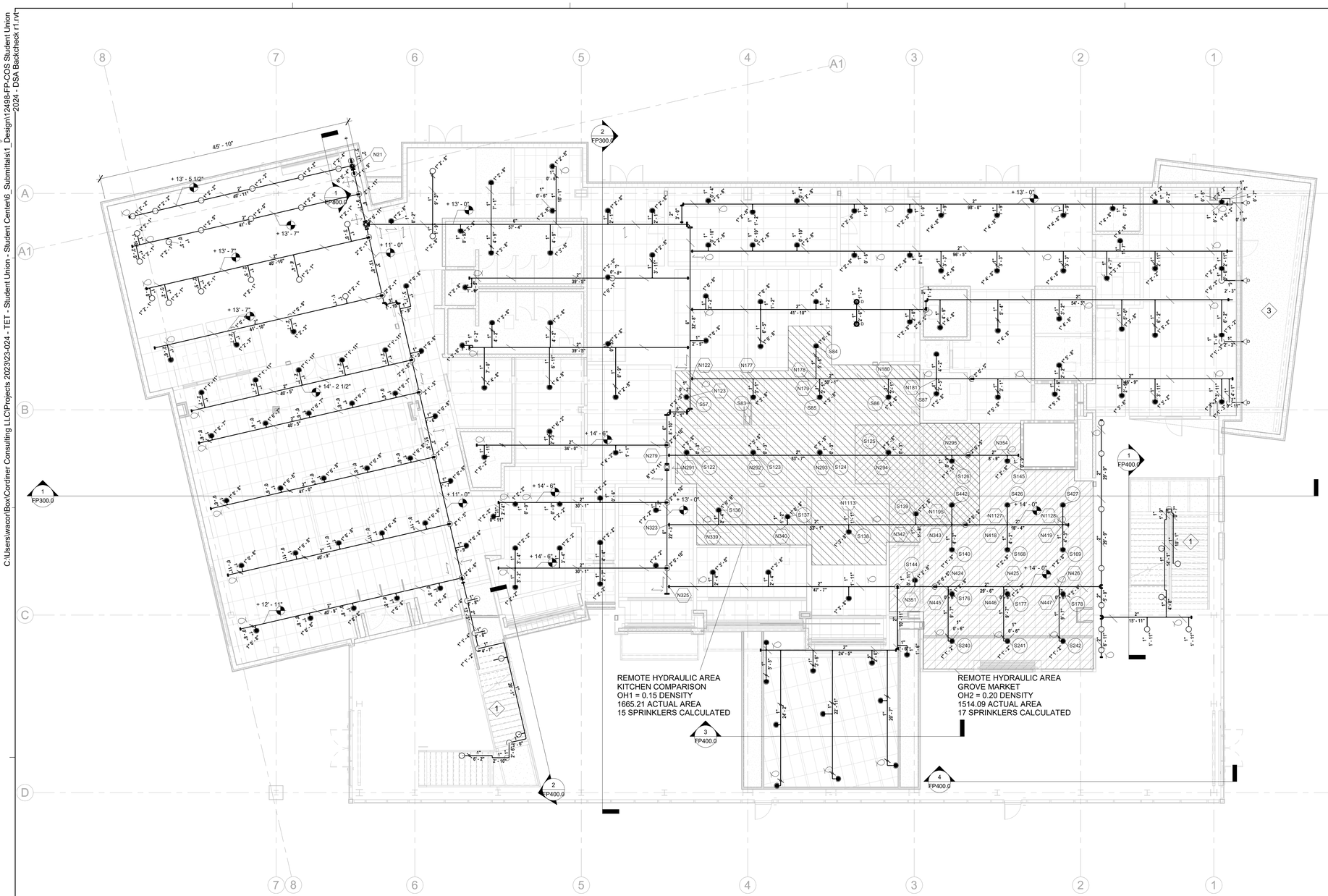

1 1ST FLOOR PIPING LAYOUT
1/8" = 1'-0"

0' 4' 8' 16'

SYMBOLS LEGEND

- PIPE DIAMETER, CUT LENGTH, AND SECTION LENGTHS
- PIPE DIAMETER AND CUT LENGTH
- PIPE HANGER
- PIPE CHANGE IN ELEVATION
- LATERAL SWAY BRACE
- LONGITUDINAL SWAY BRACE
- 4-WAY SWAY BRACE
- FLEX DROP
- HYDRAULIC NODE
- ALARM BELL
- PAV — POTTER AIR VENT
- OH1 — ORDINARY HAZARD GROUP 1
- OH2 — ORDINARY HAZARD GROUP 2

KEYNOTES

1. EXPOSED PIPING AND FITTINGS BELOW STAIRS BE STAINLESS STEEL. ALL PIPING NOT EXPOSED SHALL BE BLACK STEEL IN ACCORDANCE WITH THE GENERAL INFORMATION SHEET MATERIALS TABLE.
   PIPING UNDER STAIRS SHALL BE SLOPED TO RUN BELOW STAIR TREADS AND BELOW STAIR CEILING FINISH. ALL EXPOSED PIPING AND FITTINGS SHALL BE STAINLESS STEEL AND SHALL BE INSTALLED AS TIGHT AS POSSIBLE TO THE STAIR STRINGER EDGE FURTHEST FROM A MAIN ENTRY DOOR.
2. CONCEALED HORIZONTAL SIDEWALLS TO PROTECT WITHIN BEAM POCKETS. CONCEALED PENDENTS TO PROTECT BELOW FINISHED SOFFIT. LINES RUN BETWEEN BEAMS AND EXPOSED SHALL BE INSTALLED AS TIGHT TO THE DECK AS POSSIBLE. ALL EXPOSED PIPING AND FITTINGS TO BE PAINTED TO MATCH THE CEILING FINISH. SPRINKLERS IN THIS AREA ONLY SHALL BE CHROME FINISHED. COVERPLATES ON THE SIDEWALL AND PENDENT SPRINKLERS SHALL BE FACTORY FINISHED TO COLOR MATCH THE CEILING FINISH AND PIPING. UNDER NO CIRCUMSTANCES SHALL COVERPLATES AND/OR SPRINKLERS BE PAINTED.
3. EXTERIOR OVERHANG WITH OCCUPANCY ABOVE SHALL BE PROTECTED UTILIZING DRY BARREL SIDEWALL SPRINKLERS. ALL OTHER EXTERIOR PROJECTIONS HAVE BEEN OMITTED IN ACCORDANCE WITH NFPA 13'S ALLOWANCE FOR OMISSION IN AREAS WITH NON-COMBUSTIBLE FINISHES.

DESIGNERS NOTES

1. REFER TO A211 FOR WALL FIRE RATINGS
2. EXPOSED SPRINKLERS AT STAIRS AND UNDER STEEL GRATING SHALL BE CHROME FINISHED TO MATCH THE STAINLESS STEEL PIPING.
3. ALL ACT CEILING CONCEALED SPRNIKLERS SHALL BE INSTALLED CENTERED IN TILES.
4. SPRINKELRS HAVE BEEN OMITTED FROM EXTERIOR PROJECTIONS IN SOME AREAS IN ACCORDANCE WITH NFPA 13 9.2.3.2
5. ALL CONCEALED SPACES HAVE BEEN OMITTED FROM PROTECTION IN ACCORDANCE WITH NFPA 13 9.2.1.1 AS THESE AREAS ARE OF NON-COMBUSTIBLE CONSTRUCTION AND ARE NON-OCCUPIABLE.

SPRINKLER SCHEDULE 1ST FLOOR

Sprinkler Symbol	Count	Manufacturer	Model	Orifice Size	K-Factor	Temperature Rating	Orientation
■ ◦	2	Viking	VK176	0"	5.6	155 °F	DRY PENDENT
◁ ◦	4	Viking	VK178	0"	5.6	175 °F	DRY SIDEWALL
○	39	VIKING CORP	VK300	1/2"	5.6	200 °F	UPRIGHT
●	138	VIKING CORP	VK4621	1/2"	5.6	155 °F	CONCEALED PENDENT

Viking Hydraulic Information	
Remote area name	Kitchen Comparison Calculation
Occupancy classification	ORDINARY HAZARD GROUP I
Density	0.15 gpm/ft²
Area of application	1665.21 ft²
Coverage per sprinkler	111.01 ft²
No. of sprinklers calculated	39
Hose streams	250 gpm
Fixed flows	0 gpm
Sprinkler Demand	284.01 gpm
System Demand	284.01 gpm @ 23.19 psi
Total water required (including hose streams)	534.01 gpm @ 23.19 psi
Safety Margin	51.50 psi (68.9%)
Safety Margin w/ hose streams	46.4 psi (66.7%)

Viking Hydraulic Information	
Remote area name	Grove Market
Occupancy classification	ORDINARY HAZARD GROUP II
Density	0.2 gpm/ft²
Area of application	1514 ft²
Coverage per sprinkler	97.35 ft²
No. of sprinklers calculated	39
Hose streams	250 gpm
Fixed flows	0 gpm
Sprinkler Demand	366.9 gpm
System Demand	366.9 gpm @ 37.95 psi
Total water required (including hose...	616.9 gpm @ 37.95 psi
Safety Margin	35.35 psi (48.2%)
Safety Margin w/ hose streams	29.37 psi (43.6%)

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VISALIA CAMPUS
915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
FIRST FLOOR PIPING PLAN

PROJECT NO.
23-12499

DRAWING
FP210.0

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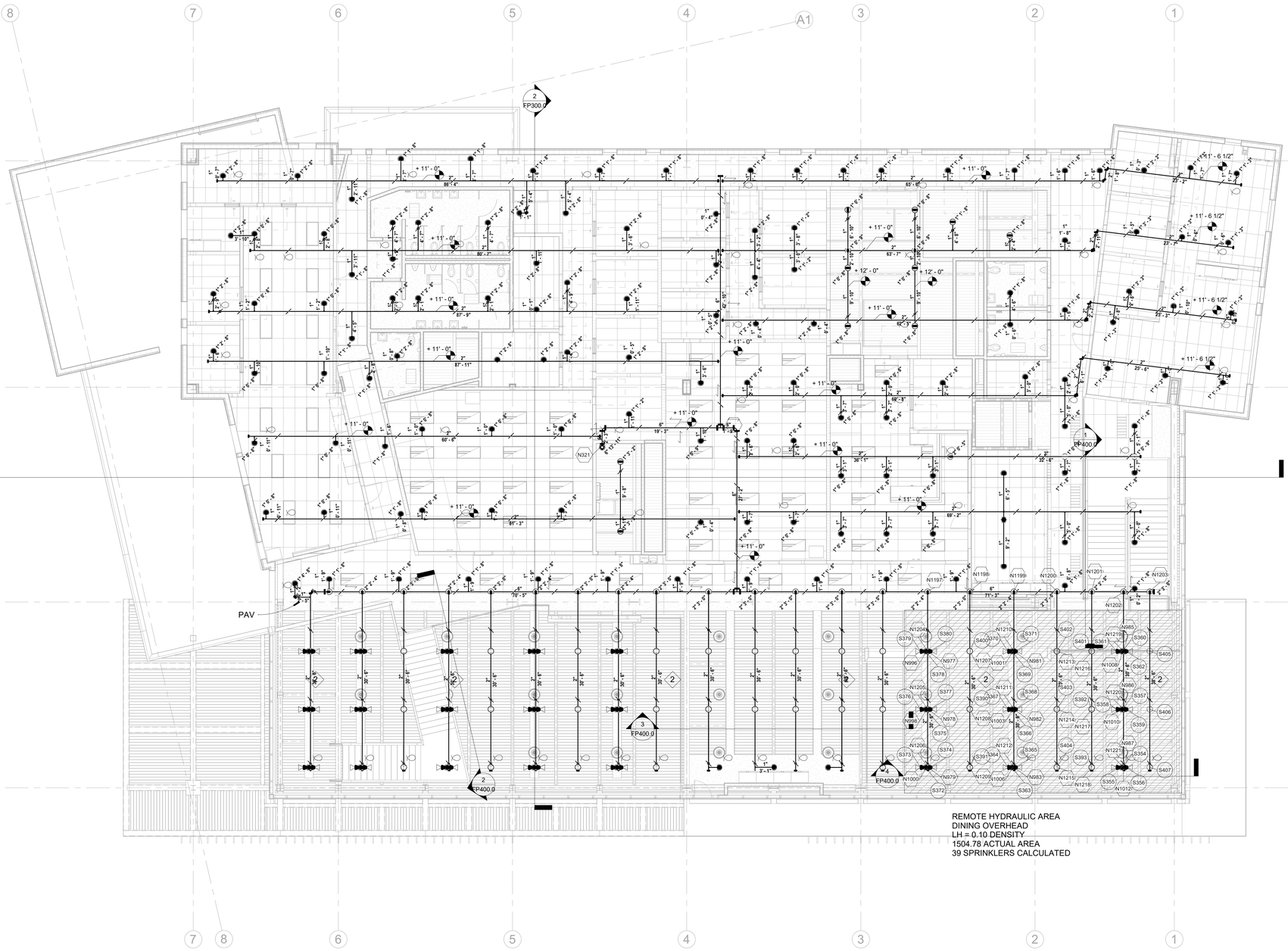

1 2ND FLOOR PIPING LAYOUT
1/8" = 1'-0"

0' 4' 8' 16'

SYMBOLS LEGEND

6" 21-0 6'-0"/2-0	PIPE DIAMETER, CUT LENGTH, AND SECTION LENGTHS
2" 21'-0	PIPE DIAMETER AND CUT LENGTH
	PIPE HANGER
	PIPE CHANGE IN ELEVATION
	LATERAL SWAY BRACE
	LONGITUDINAL SWAY BRACE
	4-WAY SWAY BRACE
	FLEX DROP
H	HYDRAULIC NODE
	ALARM BELL
PAV	POTTER AIR VENT
OH1	ORDINARY HAZARD GROUP 1
OH2	ORDINARY HAZARD GROUP 2

KEYNOTES

1. EXPOSED PIPING AND FITTINGS BELOW STAIRS BE STAINLESS STEEL. ALL PIPING NOT EXPOSED SHALL BE BLACK STEEL IN ACCORDANCE WITH THE GENERAL INFORMATION SHEET MATERIALS TABLE.
PIPING UNDER STAIRS SHALL BE SLOPED TO RUN BELOW STAIR TREADS AND BELOW STAIR CEILING FINISH. ALL EXPOSED PIPING AND FITTINGS SHALL BE STAINLESS STEEL AND SHALL BE INSTALLED AS TIGHT AS POSSIBLE TO THE STAIR STRINGER EDGE FURTHEST FROM A MAIN ENTRY DOOR.
2. CONCEALED HORIZONTAL SIDEWALLS TO PROTECT WITHIN BEAM POCKETS. CONCEALED PENDENTS TO PROTECT BELOW FINISHED SOFFIT. LINES RUN BETWEEN BEAMS AND EXPOSED SHALL BE INSTALLED AS TIGHT TO THE DECK AS POSSIBLE. ALL EXPOSED PIPING AND FITTINGS TO BE PAINTED TO MATCH THE CEILING FINISH. SPRINKLERS IN THIS AREA ONLY SHALL BE CHROME FINISHED. COVERPLATES ON THE SIDEWALL AND PENDENT SPRINKLERS SHALL BE FACTORY FINISHED TO COLOR MATCH THE CEILING FINISH AND PIPING. UNDER NO CIRCUMSTANCES SHALL COVERPLATES AND/OR SPRINKLERS BE PAINTED.
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DESIGNERS NOTES

1. REFER TO A211 FOR WALL FIRE RATINGS
2. EXPOSED SPRINKLERS AT STAIRS AND UNDER STEEL GRATING SHALL BE CHROME FINISHED TO MATCH THE STAINLESS STEEL PIPING.
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5. ALL CONCEALED SPACES HAVE BEEN OMITTED FROM PROTECTION IN ACCORDANCE WITH NFPA 13 9.2.1.1 AS THESE AREAS ARE OF NON-COMBUSTIBLE CONSTRUCTION AND ARE NON-OCCUPIABLE.

SPRINKLER SCHEDULE 2ND FLOOR

Sprinkler Symbol	Count	Manufacturer	Model	Orifice Size	K-Factor	Temperature Rating	Orientation
○	45	VIKING CORP	VK300	1/2"	5.6	200 °F	UPRIGHT
◁	48	VIKING CORP	VK481	1/2"	5.6	205 °F	CONCEALED SIDEWALL
●	156	VIKING CORP	VK4621	1/2"	5.6	155 °F	CONCEALED PENDENT

Viking Hydraulic Information	
Remote area name	Dining Overhead
Occupancy classification	LIGHT HAZARD
Density	0.1 gpm/ft²
Area of application	1504.78 ft²
Coverage per sprinkler	89.06 ft²
No. of sprinklers calculated	39
Hose streams	100 gpm
Fixed flows	0 gpm
Sprinkler Demand	639.28 gpm
System Demand	639.28 gpm @ 47.55 psi
Total water required (including hose...	739.28 gpm @ 47.55 psi
Safety Margin	19.11 psi (28.7%)
Safety Margin w/ hose streams	15.92 psi (25.1%)

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915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
SECOND FLOOR PIPING PLAN

PROJECT NO.
23-12499

DRAWING
FP220.0

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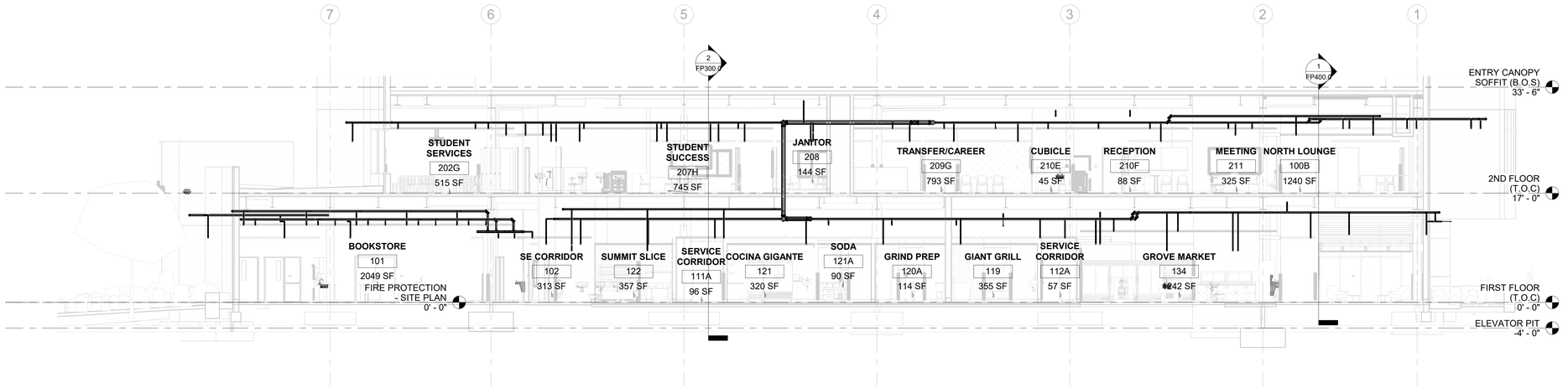
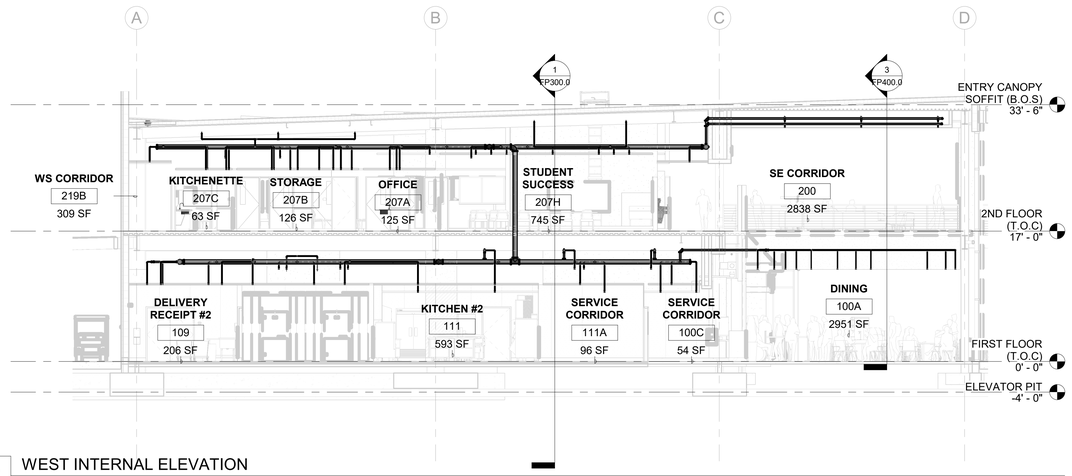


1 SOUTH INTERNAL ELEVATION
1/8" = 1'-0"



2 WEST INTERNAL ELEVATION
1/8" = 1'-0"

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DRAWING TITLE
ELEVATIONS

PROJECT NO.
23-12499

DRAWING
FP300.0

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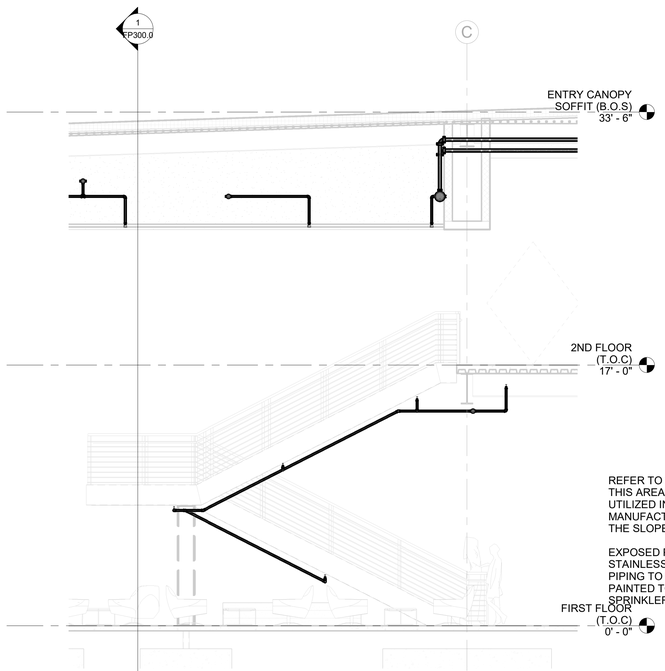
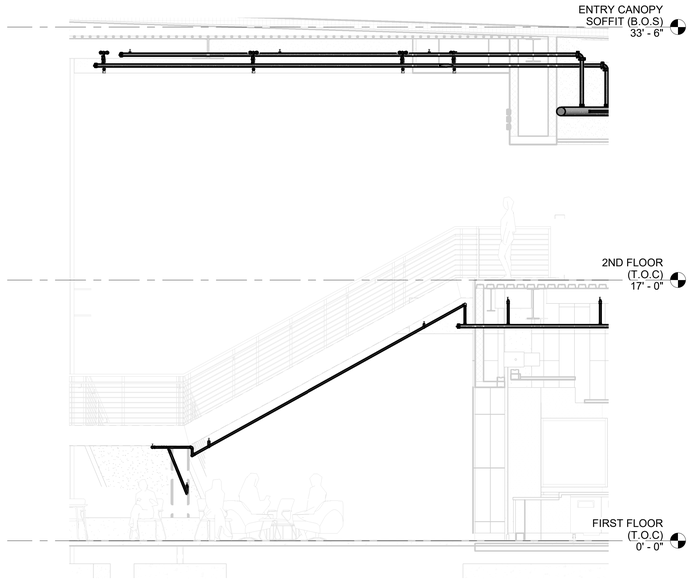


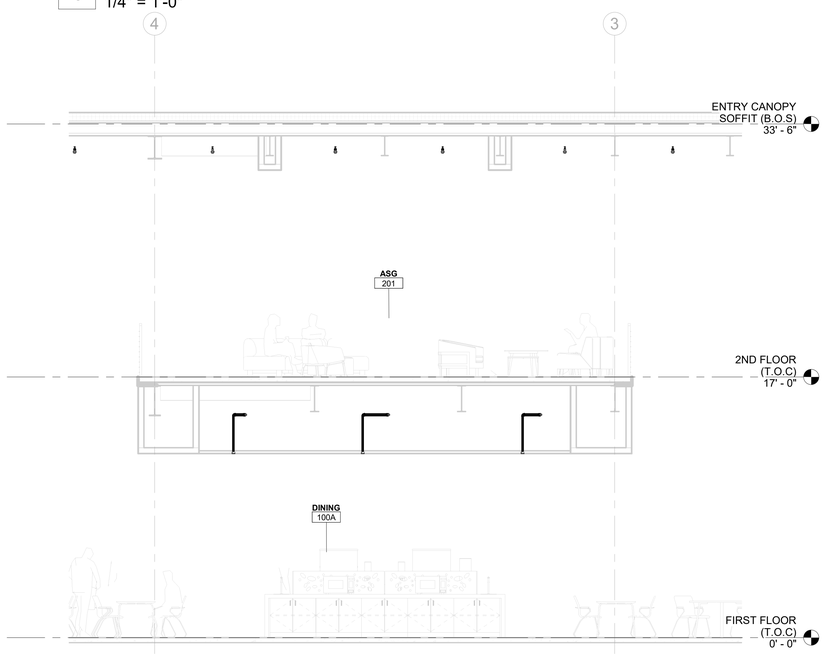
REFER TO SAMMY XP35 DETAIL FOR HANGERS IN THIS AREA. ENSURE THE SWIVEL ANCHORS ARE UTILIZED IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS TO PERMIT THE SLOPED PIPE INSTALLATION.

EXPOSED PIPING BELOW STAIRS TO BE STAINLESS STEEL. OVERHEAD CEILING LEVEL PIPING TO REMAIN BLACK STEEL AND BE PAINTED TO MATCH OVERHEAD CEILING COLOR. SPRINKLERS SHALL NOT BE PAINTED.

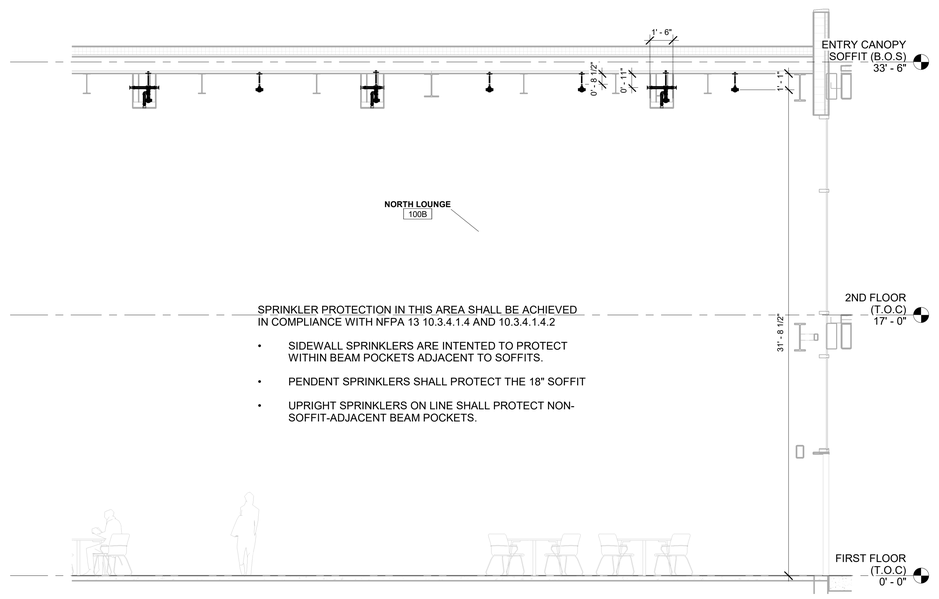
1 NORTH LOUNGE STAIR SECTION
1/4" = 1'-0"



2 SOUTH LOUNGE STAIR SECTION
1/4" = 1'-0"



3 DINING OVERHANG SECTION
1/4" = 1'-0"



4 DINING OVERHEAD SPRINKLER LAYOUT SECTION
1/4" = 1'-0"

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DRAWING TITLE
SECTIONS

PROJECT NO.
23-12499

DRAWING
FP400.0

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SYMBOLS LEGEND

- PIPE DIAMETER, CUT LENGTH, AND SECTION LENGTHS
- PIPE DIAMETER AND CUT LENGTH
- PIPE HANGER
- PIPE CHANGE IN ELEVATION
- LATERAL SWAY BRACE
- LONGITUDINAL SWAY BRACE
- 4-WAY SWAY BRACE
- FLEX DROP
- HYDRAULIC NODE
- ALARM BELL
- PAV — POTTER AIR VENT
- OH1 — ORDINARY HAZARD GROUP 1
- OH2 — ORDINARY HAZARD GROUP 2

DESIGNERS NOTES

- ALL AREAS TO BE ASSUMED LIGHT HAZARD UNLESS NOTED OTHERWISE.

1 1ST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

SPRINKLER SCHEDULE 1ST FLOOR

Sprinkler Symbol	Count	Manufacturer	Model	Orifice Size	K-Factor	Temperature Rating	Orientation
■◦	2	Viking	VK176	0"	5.6	155 °F	DRY PENDENT
◁◦	4	Viking	VK178	0"	5.6	175 °F	DRY SIDEWALL
○	39	VIKING CORP	VK300	1/2"	5.6	200 °F	UPRIGHT
●	138	VIKING CORP	VK4621	1/2"	5.6	155 °F	CONCEALED PENDENT

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915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
FIRST FLOOR REFLECTED CEILING PLAN

PROJECT NO.
23-12499

DRAWING
FP611.0

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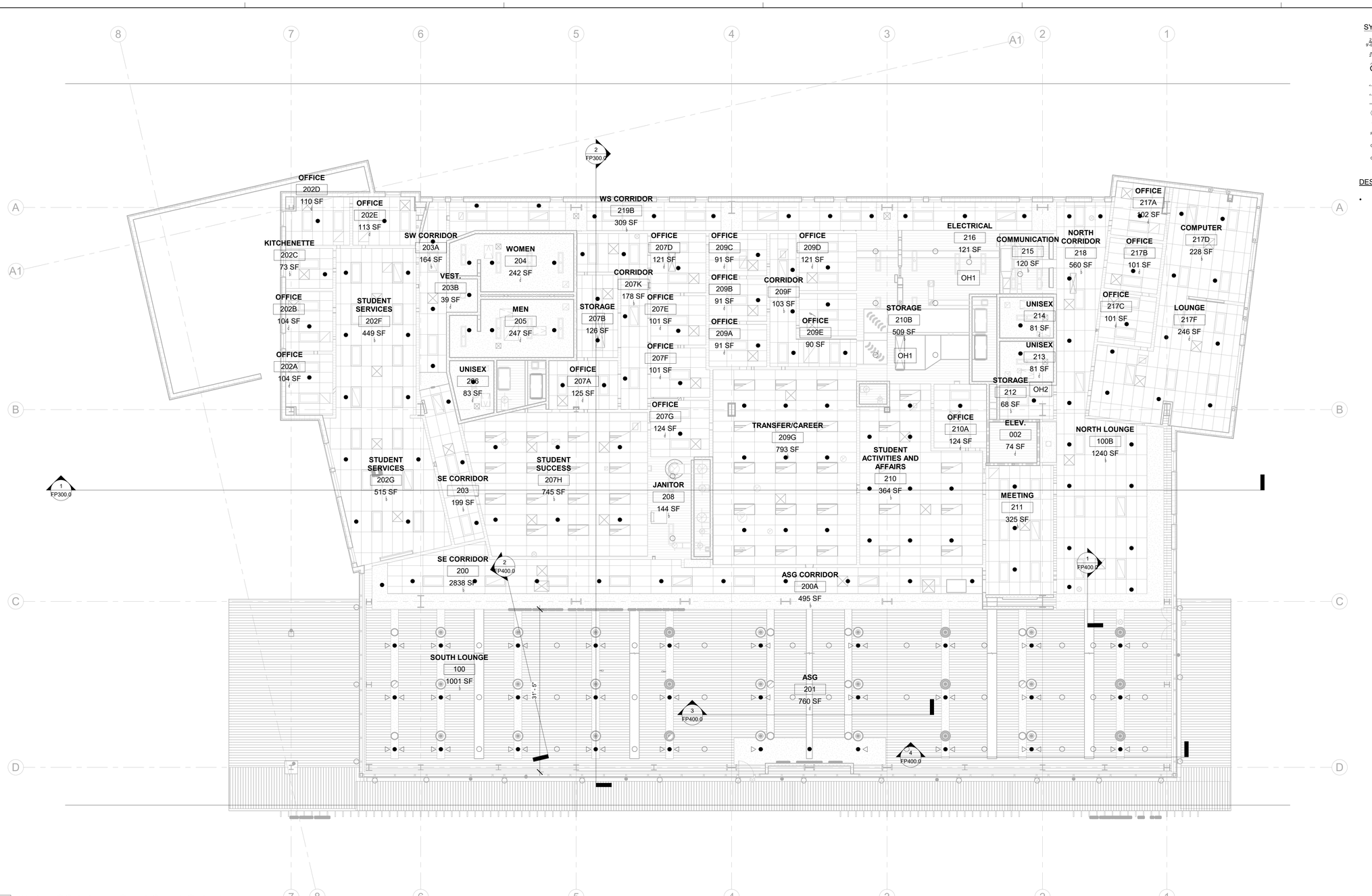

SYMBOLS LEGEND

4" 21'-0 9'-0"-7'-0	PIPE DIAMETER, CUT LENGTH, AND SECTION LENGTHS
4" 21'-0	PIPE DIAMETER AND CUT LENGTH
	PIPE HANGER
	PIPE CHANGE IN ELEVATION
	LATERAL SWAY BRACE
	LONGITUDINAL SWAY BRACE
	4-WAY SWAY BRACE
	FLEX DROP
D	HYDRAULIC NODE
	ALARM BELL
PAV	POTTER AIR VENT
OH1	ORDINARY HAZARD GROUP 1
OH2	ORDINARY HAZARD GROUP 2

DESIGNERS NOTES

- ALL AREAS TO BE ASSUMED LIGHT HAZARD UNLESS NOTED OTHERWISE.

1 2ND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

SPRINKLER SCHEDULE 2ND FLOOR

Sprinkler Symbol	Count	Manufacturer	Model	Orifice Size	K-Factor	Temperature Rating	Orientation
○	41	VIKING CORP	VK300	1/2"	5.6	200 °F	UPRIGHT
◁	58	VIKING CORP	VK481	1/2"	5.6	205 °F	CONCEALED SIDEWALL
●	160	VIKING CORP	VK4621	1/2"	5.6	155 °F	CONCEALED PENDENT

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915 S MOONEY BLVD., VISALIA CA 93277

DRAWING TITLE
SECOND FLOOR REFLECTED CEILING PLAN

PROJECT NO.
23-12499

DRAWING
FP621.0

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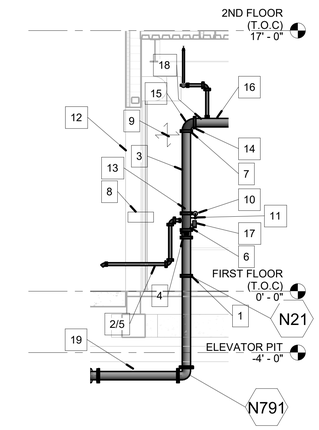


1 RISER SECTION WEST VIEW

1/4" = 1'-0"

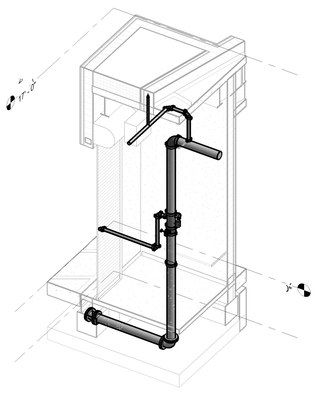
1. POINT OF CONNECTION 1'-0 AFF - 6" FLEXIBLE COUPLING
2. 2" MAIN DRAIN PIPING - THREADED BLACK STEEL SCHEDULE 40
3. 6" RISER PIPING - GROOVED BLACK STEEL SCHEDULE 10
4. SUPERVISED CONTROL VALVE - GROOVED
5. 2" TEST AND DRAIN
6. VIKING COMMERCIAL RISER ASSEMBLY
7. 6" GROOVED FLEXIBLE COUPLING
8. SPARE SPRINKLER BOX - MOUNTED ON EXTERIOR WALL OF EACH RISER ROOM - SHALL CONTAIN (6) SPARE SPRINKLERS (3) OF EACH TYPE AND COMPATIBLE WRENCHES FOR BUILDINGS D & E - (12) SPARE SPRINKLERS (3) OF EACH TYPE AND COMPATIBLE WRENCHES FOR BUILDING F.
9. 4-WAY SWAY BRACE - ATTACHED TO WALL STRUCTURE - REFER TO 4-WAY SWAY BRACE DETAIL
10. 0-300 PSI GAUGE - 1/4" NPS
11. 1/4" NPS GAUGE ISOLATION VALVE
12. 24V ELECTRIC WATERFLOW BELL TO BE INSTALLED ON EXTR IOR WALL
13. HYDRAULIC PLACARD AND GENERAL INFORMATION SIGN PER NFPA 13 29.4 & 29.6
14. 6" GROOVED RIGID COUPLING
15. 6" GROOVED 90° ELBOW
16. 6" CROSS MAIN TO SYSTEM
17. 6" VANE TYPE WATERFLOW SWITCH
18. HANGER WITHING 24" OF RISER
19. REFER TO DETAIL 6/FP800.0

4 SYSTEM RISER KEY NOTES

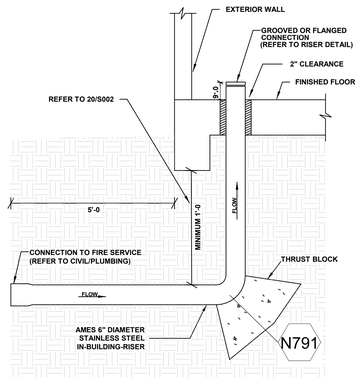
N.T.S.

- **WET SYSTEM RISERS SHALL BE A 6" VIKING COMMERCIAL RISER CONTROL ASSEMBLY WITH SUPERVISED CONTROL VALVE.**
- **FDC IS A REMOTE FREE STANDING FDC. REFER TO CIVIL PLANS FOR INSTALLATION LOCATION.**
- **SUPERVISED CONTROL VALVES AND VANE STYLE WATERFLOW SWITCH SHALL ALL BE SUPERVISED BY THE BASE BUILDING FIRE ALARM SYSTEM**
- **A 24V ALARM BELL SHALL BE INSTALLED ON THE EXTERIOR WALL OF THE RISER LOCATION**
- **SYSTEM INSPECTOR'S TEST AND DRAIN IS ATTACHED TO THE RISER AND SHALL BE PIPED TO THE EXTERIOR OF THE BUILDING VIA A 2" MAIN DRAIN. THIS SHALL TERMINATE OVER A SPLASH BLOCK WITH A 1/2" OUTLET COMPLETED WITH A 1/2" SMOOTH OUTLET (BROKEN SPRINKLER).**

5 RISER NOTES

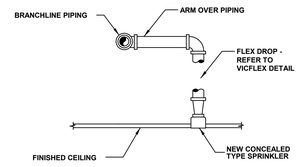


2 RISER ROOM ISOMETRIC



6 AMES STAINLESS STEEL IN-BUILDING RISER

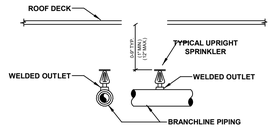
N.T.S



ALL PENDENT AND CONCEALED PENDENTS ON PROJECT SHALL BE INSTALLED USING 31" VIC FLEX FLEXIBLE SPRINKLER DROPS.

TYPICAL PENDANT SPRINKLER HEAD INSTALLATION DETAIL

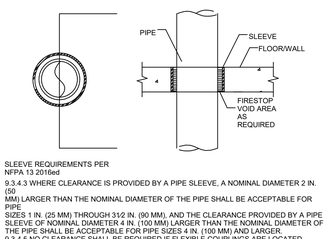
N.T.S.



NOTE:
NFPA 13 2016 EDITION 8.6.4.2
8.6.4.2.1 UNLESS THE REQUIREMENTS OF 8.6.4.2.2 OR 8.6.4.2.3 ARE MET, DEFLECTORS OF SPRINKLERS SHALL BE ALIGNED PARALLEL TO CEILINGS, ROOFS, HIPS, OR THE INCLINE OF STAIRS.
8.6.4.2.2 WHERE SPRINKLERS ARE INSTALLED IN THE PEAK BELOW ASLOPED CEILING OR ROOF SURFACE, THE SPRINKLER SHALL BE INSTALLEDWITH THE DEFLECTOR HORIZONTAL.
8.6.4.2.3 ROOFS HAVING A PITCH NOT EXCEEDING 2 IN 12(16.7 PERCENT) ARE CONSIDERED HORIZONTAL IN THE APPLICATION OF 8.6.4.2, AND SPRINKLERS SHALL BE PERMITTED TO BE INSTALLED WITHDEFLECTORS HORIZONTAL.

UPRIGHT SPRINKLER ON BRANCHLINE DETAIL

N.T.S.



SLEEVE REQUIREMENTS PER
NFPA 13 2016ed

9.3.4.3 WHERE CLEARANCE IS PROVIDED BY A PIPE SLEEVE, A NOMINAL DIAMETER 2 IN. (50
MM) LARGER THAN THE NOMINAL DIAMETER OF THE PIPE SHALL BE ACCEPTABLE FOR PIPE
SIZES 1 IN. (25 MM) THROUGH 3½ IN. (90 MM), AND THE CLEARANCE PROVIDED BY A PIPE SLEEVE OF NOMINAL DIAMETER 4 IN. (100 MM) LARGER THAN THE NOMINAL DIAMETER OF THE PIPE SHALL BE ACCEPTABLE FOR PIPE SIZES 4 IN. (100 MM) AND LARGER.
9.3.4.5 NO CLEARANCE SHALL BE REQUIRED IF FLEXIBLE COUPLINGS ARE LOCATED WITHIN
1 FT (300 MM) OF EACH SIDE OF A WALL OR IF THE REQUIREMENTS OF 9.3.2.3.1(2) ARE MET.

TYPICAL SLEEVE PENETRATION INSTALLATION DETAIL AND REQUIREMENTS

N.T.S.

6" LATERAL BRACES (LEVEL 1)
- **MAX SPACING 20'-0**
- **MAX BRACE LENGTH 13'-6**
- **ANGLE MINIMUM 45 MAXIMUM 90 DEREES**

6" LATERAL BRACES (LEVEL 2)
- **MAX SPACING 40'-0**
- **MAX BRACE LENGTH 13'-6**
- **ANGLE MINIMUM 45 MAXIMUM 90 DEREES**

6" LONGITUDINAL BRACES
- **MAX SPACING 40'-0**
- **MAX BRACE LENGTH 9'-0**
- **ANGLE MINIMUM 45 MAXIMUM 90 DEGREES**

3" LATERAL BRACES
- **MAX SPACING 35'-0**
- **MAX BRACE LENGTH 13'-6**
- **ANGLE MINIMUM 45 MAXIMUM 90 DEGREES**

3" LONGITUDINAL BRACES
- **MAX SPACING 80'-0**
- **MAX BRACE LENGTH 9'-0**
- **ANGLE MINIMUM 45 MAXIMUM 90 DEGREES**

***REFER TO SEISMIC BRACE REPORT FOR ADDITIONAL INFORMATION**

SWAY BRACE SPACING INFORMATION

N.T.S.

Install a ball valve in line with the PAV to assist in servicing the strainer without disabling the sprinkler system.

1. Read and understand the instructions provided before you proceed with installation. The PAV shall be installed in accordance with local ordinances and the applicable NFPA13 standard.

2. The Engineer of Record should select the Model PAV, Potter Air Vent installation location. Usually at a point in the system that will vent the most air. Refer to piping plans for location.

3. The location of the PAV must not interfere with the spray pattern of any sprinkler head. The connection point must be off the top of the pipe. (See Fig. 1)

4. The piping must be level or pitch back toward the fire sprinkler system piping and arranged in such a manner that water will not become trapped. The outlet of the PAV contains a 1/2" male NPT threaded connection allowing the device to be piped to a drain or other suitable location if there are concerns about inadvertent water discharge.

5. Immediately after installation and filling of the fire sprinkler system, the PAV should be inspected for leaks and proper operation. The unit should be inspected periodically. Thereafter the manufacturer recommends quarterly or more frequently.

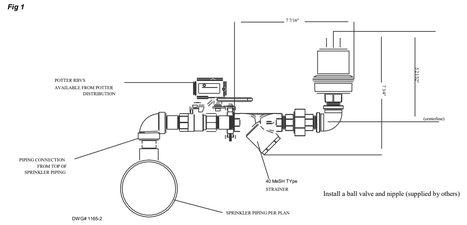
6. Inspection should include removal and cleaning of the strainer screen. Remove the screen and flush with clean water. Use a wire brush if necessary to remove any particles trapped in the screen.

PAV and Shutoff Valve Replacement

The vent used in the PAV is not field replaceable. If the vent should fail, the entire unit must be replaced.

PAV Outline Drawing

Fig 1

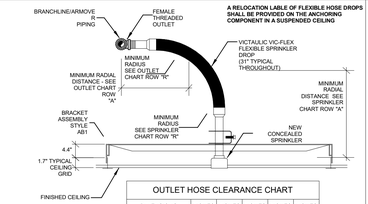


AIR VENT DETAIL

N.T.S.

Potter Electric Signal Company, LLC • St. Louis, MO • Phone: 800-325-3936 • www.pottersignal.com

5401165 - REV E • 2/19



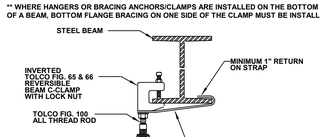
OUTLET HOSE CLEARANCE CHART							
DIMENSIONS		INCHES	INCHES	INCHES	INCHES	INCHES	INCHES
R	MINIMUM BEND RADIUS	3	4	5	6	7	
A	MINIMUM	9.4	10.4	11.4	12.4	13.4	

SPRINKLER HOSE CLEARANCE CHART							
DIMENSIONS		INCHES	INCHES	INCHES	INCHES	INCHES	INCHES
R	MINIMUM BEND RADIUS	2	3	4	5	6	7
A	MINIMUM	10.1	11.1	12.1	13.1	14.1	15.1

ALL PENDENT AND CONCEALED PENDENTS ON PROJECT SHALL BE INSTALLED USING 31" VIC FLEX FLEXIBLE SPRINKLER DROPS.
MAX BENDS - 3
EQUIVALENT LENGTH = 52'-0

VIC-FLEX FLEX HEAD DETAIL

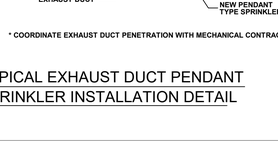
N.T.S.



NOTE:
NFPA 13 2016 EDITION 8.6.4.2
8.6.4.2.1 UNLESS THE REQUIREMENTS OF 8.6.4.2.2 OR 8.6.4.2.3 ARE MET, DEFLECTORS OF SPRINKLERS SHALL BE ALIGNED PARALLEL TO CEILINGS, ROOFS, HIPS, OR THE INCLINE OF STAIRS.
8.6.4.2.2 WHERE SPRINKLERS ARE INSTALLED IN THE PEAK BELOW ASLOPED CEILING OR ROOF SURFACE, THE SPRINKLER SHALL BE INSTALLEDWITH THE DEFLECTOR HORIZONTAL.
8.6.4.2.3 ROOFS HAVING A PITCH NOT EXCEEDING 2 IN 12(16.7 PERCENT) ARE CONSIDERED HORIZONTAL IN THE APPLICATION OF 8.6.4.2, AND SPRINKLERS SHALL BE PERMITTED TO BE INSTALLED WITHDEFLECTORS HORIZONTAL.

TYPICAL UPRIGHT SPRINKLER INSTALLATION DETAIL

N.T.S.



AFCON FIG 700 / 778 ATTACHMENT TO STEEL BEAM FLANGE

N.T.S.

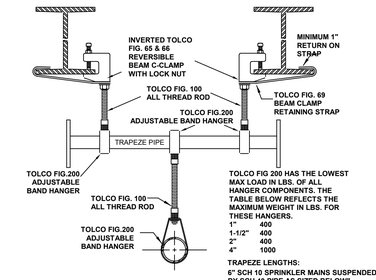
TOLCO FIG 200 HAS THE LOWEST MAX LOAD IN LBS. OF ALL HANGER COMPONENTS. THE TABLE BELOW REFLECTS THE MAXIMUM WEIGHT IN LBS. FOR THESE HANGERS.

1"	400
1-1/2"	400
2"	400
4"	1000

REVERSIBLE BEAM C-CLAMP WITH RETAINING STRAP (BEAM)

N.T.S.

SYMBOL ON PLANS
4" PIPE AND SMALLER ONLY



TOLCO FIG 200 HAS THE LOWEST MAX LOAD IN LBS. OF ALL HANGER COMPONENTS. THE TABLE BELOW REFLECTS THE MAXIMUM WEIGHT IN LBS. FOR THESE HANGERS.

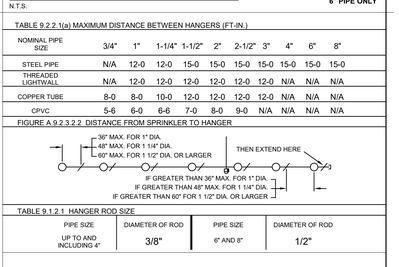
1"	400
1-1/2"	400
2"	400
4"	1000

TRAPEZE LENGTHS:
6" SCH 10 SPRINKLER MAINS SUSPENDED BY SCH 40 PIPE AS SIZED BELOW"
- **2" UP TO 4'-6 SPAN**
- **2-1/2" UP TO 8'-6 SPAN**
- **3" UP TO 14'-0 SPAN**

REVERSIBLE BEAM C-CLAMP WITH PIPE TRAPEZE HANGER

N.T.S.

SYMBOL ON PLANS
6" PIPE ONLY



NOTE: DETAIL SHOWN IS FOR 1" ARM OVERS ONLY.
FOR ALL OTHER PIPE SIZES SEE DETAIL BELOW

****MAXIMUM SUSPENDED LOAD BASED ON STRUCTURAL REQUIREMENTS IS 30LBS.****

SYMBOL ON PLANS

SAMMY X-PRESS XP35 - 1-1/2" AND GREATER

N.T.S.

TABLE 9.2.2.1(a) MAXIMUM DISTANCE BETWEEN HANGERS (FT-IN.)

NOMINAL PIPE SIZE	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
STEEL PIPE	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A
COPPER TUBE	8-0	8-0	10-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	N/A	N/A	N/A	N/A

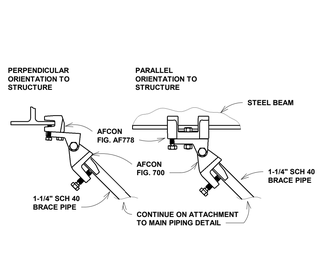
FIGURE A.9.2.3.2.2 DISTANCE FROM SPRINKLER TO HANGER

TABLE 9.1.2.1 HANGER ROD SIZE

PIPE SIZE	DIAMETER OF ROD	PIPE SIZE	DIAMETER OF ROD
UP TO AND INCLUDING 4"	3/8"	6" AND 8"	1/2"

NFPA HANGER SPACING TABLE

N.T.S.

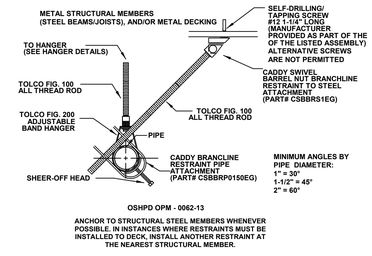


*** NOTE***
4-WAY BRACES TO BE INSTALLED ON HORIZONTAL MAINS WITHIN 24" OF ANY VERTICAL BEING BRACED. ATTACH TO OVERHEAD BEAMS IN THE SAME MANNER AS LONGITUDINAL AND LATERAL SWAY BRACE DETAILS.

AFCON FIG 700 / 775
4-WAY SWAY BRACE ATTACHMENT

N.T.S.

SYMBOL ON PLANS



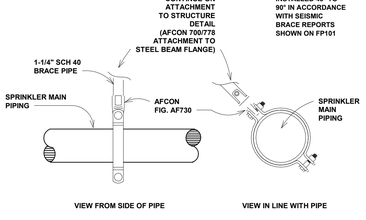
OSHPD OPM - 0062-13

ANCHOR TO STRUCTURAL STEEL MEMBERS WHENEVER POSSIBLE. IN INSTANCES WHERE RESTRAINTS MUST BE INSTALLED TO DECK, INSTALL ANOTHER RESTRAINT AT THE NEAREST STRUCTURAL MEMBER.

CADDY BRANCHLINE RESTRAINT SYSTEM DETAIL

N.T.S.

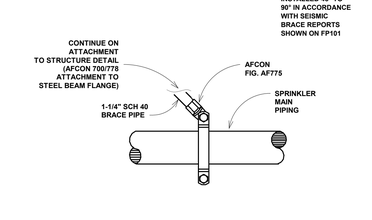
SYMBOL ON PLANS
BRANCHLINES ONLY



LATERAL SWAY BRACE ATTACHMENT

N.T.S.

SYMBOL ON PLANS



LONGITUDINAL SWAY BRACE ATTACHMENT

N.T.S.

SYMBOL ON PLANS

PLOT DATE: 8/14/2026 6:09:13 PM

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MARK	DATE	DESCRIPTION
C	8-14-2026	DSA BACKCHECK

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DRAWING TITLE
DETAILS

PROJECT NO.
23-12499

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