THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

CHAFFEY COLLEGE | CHINO CAMPUS

CHINO INSTRUCTIONAL BUILDING

5897 COLLEGE PARK AVE.
CHINO, CA 91710

VOLUME 1 OF 2

8/5/2021 9:08:00 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

PROJECT TEAM

OWNER
CHAFFEY COLLEGE
5885 HAVEN AVE., RANCHO CUCAMONGA, CA 91737
909.652.6000

CIVIL
PSOMAS
555 S. FLOWER ST. STE. 4300, LOS ANGELES, CA 90071
213.223.1400

LANDSCAPE
EPT DESIGN
844 E. GREEN ST. STE 201, PASADENA, CA 91101
626.795.2008

STRUCTURAL
SAIFUL/BOUQUET
115 N. LAKE AVE. 6TH FLR., PASADENA, CA 91101
3626.304.2616

MECHANICAL
INTEGRAL GROUP
15760 VENTURA BLVD. STE. 1902, ENCINO, CA 91436
323.825.9955

PLUMBING
INTEGRAL GROUP
15760 VENTURA BLVD. STE. 1902, ENCINO, CA 91436
323.825.9955

ELECTRICAL
INTEGRAL GROUP
15760 VENTURA BLVD. STE. 1902, ENCINO, CA 91436
323.825.9955

FIRE ALARM
INTEGRAL GROUP
15760 VENTURA BLVD. STE. 1902, ENCINO, CA 91436
323.825.9955

AV/IT
WAVEGUIDE, LLC
6060 CENTER DR. STE. 870, LOS ANGELES, CA 90045
310.213.0112

FIRE PROTECTION
PACIFIC FIRE ENGINEERING
4214 FLOYD ST., CORONA, CA 92883
951.427.3781

FACILITY:
CHINO CAMPUS | CHAFFEY COLLEGE
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
COVER SHEET - VOLUME 1

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

G0.10

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY

GENERAL NOTES

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.
2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.
4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
6. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
9. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
11. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.
12. CONTRACTOR SHALL EXCERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
13. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD).
14. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
15. ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATION (CCR)
16. THE LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO INSTALLATION OF CONDUIT, MANHOLES, PULLBOXES, ETC WHICH ARE TO BE PART OF THIS WORK, ALTHOUGH OCCURING OUTSIDE OF SHOWN LIMIT OF WORK LINES.
17. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL 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 DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
18. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.
19. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. INSPECTOR TO BE CLASS 1.
20. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. THE REPORTS SHALL BE SUBMITTED TO ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, OWNER, INSPECTOR OR RECORD, AND THE DSA FIELD ENGINEER. THE REPORTS OF ANY FAILURES OF TESTS AND INSPECTIONS ARE TO BE SUBMITTED TO DSA DISTRICT STRUCTURAL ENGINEER.
21. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
22. SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33.
23. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR., A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
24. CONTRACTOR IS TO REVIEW AND COMPLY WITH ALL REQUIREMENTS AND MITIGATION MEASURES SET FORTH IN BOTH THE ENVIRONMENTAL IMPACT REPORT (ADDENDUM TO THE ENVIRONMENTAL IMPACT REPORT | SCH NO. 2002071120) INCLUDING ATTACHED BIOLOGICAL RESOURCES TECHNICAL REPORT.
25. NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTORS LIMIT OF WORK AREA.

CODES

PARTIAL LIST OF APPLICABLE CODES

2019	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	
2019	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2019 CALIFORNIA AMENDMENTS)	
2019	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)	
2019	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)	
2019	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)	
2019	CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.	
2019	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)	
2019	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)	
2019	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.	
2019	CALIFORNIA REFERENCED STANDARDS CODE, PART 12,TITLE 24 C.C.R.	
TITLE 19	C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.	
2016	ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS	

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)	2016 ED.
NFPA 14	STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2016 ED.
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 ED.
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2017 ED.
NFPA 20	STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION	2016 ED.
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 ED.
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2016 ED.
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2016 ED.
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 ED.
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2015 ED.
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNAL APPLIANCES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 ED.
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 ED.
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 ED. (R2010)
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRANDSTANDS	2017 ED.

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.
SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS

STATEMENT OF GENERAL CONFORMANCE

(x) THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET
(x) THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS

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 1. (TITLE 24, PART 1, SECTION 4-317 (B))

I CERTIFY THAT:

(X) IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT
(X) HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

SIGNATURE — 12/15/2020 DATE
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

KENNETH SALYER
PRINT NAME

C-19082 — 11-30-21
LICENSE NUMBER — EXPIRATION DATE

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

PROJECT DESCRIPTION

1. CONSTRUCTION OF A NEW TWO-STORY, (7) CLASSROOM BUILDING, WITH AN MPR AND A SUCCESS CENTER ON THE CHINO CAMPUS OF CHAFFEY COLLEGE.
2. CONSTRUCTION OF A NEW CAMPUS MALL BETWEEN THE NEW INSTRUCTIONAL BUILDING AND EXISTING HEALTH SCIENCE BUILDING.

PROJECT DATA

PROJECT ADDRESS:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.,
CHINO, CA 91710

OCCUPANY TYPE:
A-3, B, S-1

CONSTRUCTION TYPE:
II-B

AUTOMATIC SPRINKLERS THROUGHOUT:
YES

NUMBER OF STORIES:
2

SQUARE FOOTAGE:
1ST FLOOR: 22,963 SF
2ND FLOOR: 12,713 SF
TOTAL: 35,676 SF

SEE G1.21 FOR CODE ANALYSIS PLAN

BLDG VITALS & AIA 2030 COMMITMENT REPORTING

OVERVIEW
CONDITIONED AREA (sqft): 32,429 sqft

UNCONDITIONED AREA (sqft): 3,681 sqft

ENERGY
ENERGY MODELING TOOL: IES-VE

DESIGN ENERGY CODE:
CA T24 2019

ENERGY START TARGET FINDER EUI (kBtu/sf/yr):

PROJECT TEAM BASELINE EUI (kBtu/sf/yr):

PROJECT TEAM GOAL EUI (kBtu/sf/yr):
36 kBtu

PROJECT TEAM PREDICTED EUI @ SD (kBtu/sf/yr):
39 kBtu

PROJECT TEAM PREDICTED EUI @ DD (kBtu/sf/yr):
36 kBtu

PROJECT TEAM PREDICTED EUI @ CD (kBtu/sf/yr):

LIGHTING POWER DENSITY (Watts/sf):
0.75

WINDOW TO WALL RATIO:
30.7%

ASHRAE 90.1 APPENDIX G - BASELINE ENERGY MODEL (kBtu/sf/yr):

WATER
REDUCTION IN POTABLE WATER PER LEED 2009 P1:

ATMOSPHERE
CO2 OFFSET:
78%

DEFFERRED APPROVAL ITEMS

1. WINDOW WALL AND STOREFRONT SYSTEMS, INCLUDING BUT NOT LIMITED TO VERTICAL FINS, SHADES, AND SHADOW BOXES
2. ELEVATOR GUIDE RAILS AND SUPPORT BRACKET ANCHORAGE.

FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY DSA. SEE ABOVE LIST OF DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.

SYMBOLS

- **NORTH ARROW** — TICK INDICATES PLAN NORTH; ARROW INDICATES TRUE NORTH
- **ELEVATION CALLOUT** (TYPICAL FOR EXTERIOR AND INTERIOR) — INDICATES A SIMILAR CONDITION; LOCATION ON SHEET; SHEET WHERE ELEVATION IS DRAWN
- **ELEVATION CALLOUT** (TYPICAL FOR EXTERIOR AND INTERIOR) — LOCATION ON SHEET; SHEET WHERE ELEVATION IS DRAWN
- **ELEVATION CALLOUT - ALT.** (TYPICAL FOR EXTERIOR AND INTERIOR) — LOCATION & SHEET WHERE ELEVATION IS DRAWN
- **SECTION CALLOUT** — INDICATES A SIMILAR CONDITION; LOCATION ON SHEET; SHEET WHERE SECTION IS DRAWN
- **DETAIL CALLOUT** — INDICATES A SIMILAR CONDITION; LOCATION ON SHEET; SHEET WHERE SECTION IS DRAWN
- **CONTROL OR DATUM POINT** — NAME OF ELEVATION (IF APPLICABLE); ELEVATION ABOVE FINISHED FLOOR
- **GRID BUBBLE** — EXISTING BUILDING GRID SYMBOL; GRID NUMBER; NEW BUILDING GRID SYMBOL
- **DOOR CALLOUT** — DOOR NUMBER
- **INTERIOR FINISH CALLOUT** — MATERIAL FINISH TYPE (SEE FINISH SCHEDULE)
- **WINDOW CALLOUT** — WINDOW NUMBER (SEE WINDOW SCHEDULE)
- **WALL TYPE CALLOUT** — WALL TYPE MARK - SEE A10.10
- **MATCHLINE REFERENCE** — LOCATION ON SHEET; SHEET WHERE PLAN IS DRAWN
- **KEYNOTE** — KEYNOTE NUMBER (SEE LEGEND ON SHEET)
- **ROOM EXITING INFORMATION** — AREA (SQ FT); OCCUPANT LOAD (AREA DIVIDED BY LOAD FACTOR); OCCUPANT LOAD FACTOR (REFER TO TABLE 1004.1.1); NUMBER OF EXITS REQUIRED (REFER TO TABLE 1015.1)
- **WIC CASEWORK TAG** — MANUFACTURER REFERENCE AND MODEL NUMBER; CABINET DEPTH; CABINET HEIGHT; CABINET WIDTH

NUMBER SYSTEM

DISCIPLINE

G	GENERAL
C	CIVIL
L	LANDSCAPE
A	ARCHITECTURE
I	INTERIORS
Q	EQUIPMENT
S	STRUCTURAL
P	PLUMBING
M	MECHANICAL
E	ELECTRICAL
FA	FIRE ALARM
T	TELECOM
AV	AV EQUIPMENT
K	KITCHEN
FP	FIRE PROTECTION

SHEET TYPE

0	CODE ANALYSIS, NOTES
1	SITE PLAN
2	FLOOR PLAN
3	CEILING PLAN
4	ROOF PLAN
5	EXTERIOR ELEVATIONS
6	SECTIONS
7	ENLARGED PLANS
8	INTERIOR ELEVATIONS
9	SCHEDULES
10	DETAILS

BUILDING LETTER, SEGMENT, (USER DEFINED)

USED ONLY IF REQUIRED. IF NOT, COLUMN IS OMITTED.

DISCIPLINE | SHEET TYPE | SERIES / ORDER | USER DEFINED (IF APPLICABLE)
A A 1 . 1 1 A . A
BUILDING LETTER (IF APPLICABLE) | FLOOR LEVEL OR SEQUENTIAL ORDER | SEGMENT (IF APPLICABLE)

ABBREVIATIONS

(E)	EXISTING
AB	ANCHOR BOLT
AC PAVING	ASPHALTIC CONCRETE PAVING
ACC	ACCESS/ACCESSIBLE
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ARCH	ARCHITECTURAL
ATT	ATTENUATION
AUTO	AUTOMATIC
BD	BOARD
BLCG	BLOCKING
BUR	BUILT UP ROOFING
CABT	CABINET
CF	CUBIC FEET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPRESSION / COMPOSITE
CF	CUBIC FEET
COORD	COORDINATE
CORR	CORRUGATED
CT	CERAMIC TILE
CTSK	COUNTER SKUNK
CW	CURTAINWALL
DEPR	DEPRESSED / DEPRESSION
DF	DRINKING FOUNTAIN
DIM	DIMENSION
DISP	DISPENSER
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
E/W	EACH WAY
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION / ELEVATOR
ENCL	ENCLOSE / ENCLOSURE
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EQ	EQUAL
ESC	ESCUTCHEON
EWC	ELECTRIC WATER COOLER
EXP	EXPOSED
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER W/ CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FSH	FLAT HEAD SCREW
FIN	FINISH
FLR	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPROOFING
FR	FIRE RATED
FRG	FIRE RATED GLASS
FV	FIELD VERIFY
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FS	FINISH SURFACE
FTG	FOOTING
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS TYPE
GLB	GLUE LAMINATED BEAM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTIC
HB	HOSE BIBB
HD	HEAVY DUTY
HDR	HEADER
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HP	HIGH POINT
HSS	HOLLOW STEEL SECTION
ID	INSIDE DIAMTER
INT	INTERIOR
INV	INVERT
LANDS	LANDSCAPE
LAV	LAVATORY
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT WT	LIGHT WEIGHT
LVR	LOUVER
MACH	MACHINE
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
NIC	NOT IN CONTRACT
NR	NON RATED
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O/	OVER
O/A	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDOR INSTALLED
OH	OPPOSITE HAND
OPER	OPERABLE
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN
P/L	PROPERTY LINE
PA	PUBLIC ADDRESS
PAF	POWDER ACTUATED FASTENER
PCC	PAVING PORTLAND CEMENT CONCRETE PAVING
PED	PEDESTRIAN
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PANIC HARDWARE
PIV	POST INDICATOR VALVE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PNL	PANEL
PNT	PAINT / PAINTED
POC	POINT OF CONNECTION
POLY ISO	POLYISOCYANURATE
PREFIN	PREFINISHED
PREP	PREP / PREPARATION
PTC	POST TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER / PAINTED
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION / SYSTEM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RECEPT	ECEPTACLE
REF	REFERENCE
REFL	REFLECT(ED), (IVE)
REFL	REFLECT(ED), (IVE)
REFR	REFRIGERATOR
REINF	REINFORCE/REINFORCED/ REINFORCEMENT
REM	REMOVE
RH	ROUND HEAD
RHS	ROUND HEAD SCREW
RO	ROUGH OPENING
ROW	RIGHT OF WAY
SCH	SCHEDULE (FOR PIPE)
SCHED	SCHEDULE / SCHEDULING
SD	STORM DRAIN / SOAP DISPENSER
SECT	SECTION
SG	SAFETY GLASS
SHT	SHEET
SHTG	SHEATHING
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPOSAL
SOV	SHUT OFF VALVE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STC	SOUND TRAMISSION CLASS
STL	STEEL
STSMS	SELF TAPPING SHEET METAL SCREW
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
TO	TOP OF
TOC	TOP OF CURB / CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TS	TACKABLE SURFACE
U/C	UNDER CABINET (OR COUNTER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VAC	VACUUM
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WGT	WEIGHT
WH	WATER HEATER
WP	WATERPROOFING/WALL PROTECTION
WR	WATER RESISTANT
WRGB	WATER RESISTANT GYPSUM BOARD
WS	WOOD SCREW
WSCT	WAINSCOT
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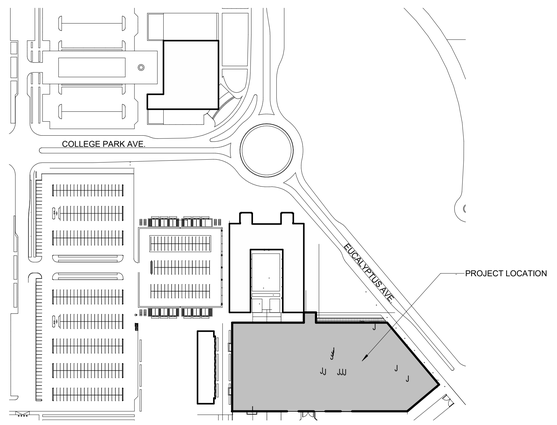
NOTE:
OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.

STATE MAP

VINCINITY MAP

OVERALL SITE PLAN



AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
PROJECT DATA SHEET

DSA APPROVAL

FILE NO.: **36-C1** | A# : **04-119722**
DATE: **08.05.2021** | CLIENT PROJ NO:
SHEET:

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PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL SHEETS. IF NOT, SHEET IS ORIGINAL SIZE

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VOLUME 2 - TOTAL SHEETS 175
PROJECT TOTAL SHEETS 400

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

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SHEET NAME:
SHEET INDEX - VOLUME 1

DSA APPROVAL
FILE NO.: 36-C1 A# : 04-119722
DATE: 08.05.2021 CLIENT PROJ NO:
SHEET:

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8/5/2021 8:08:09 AM

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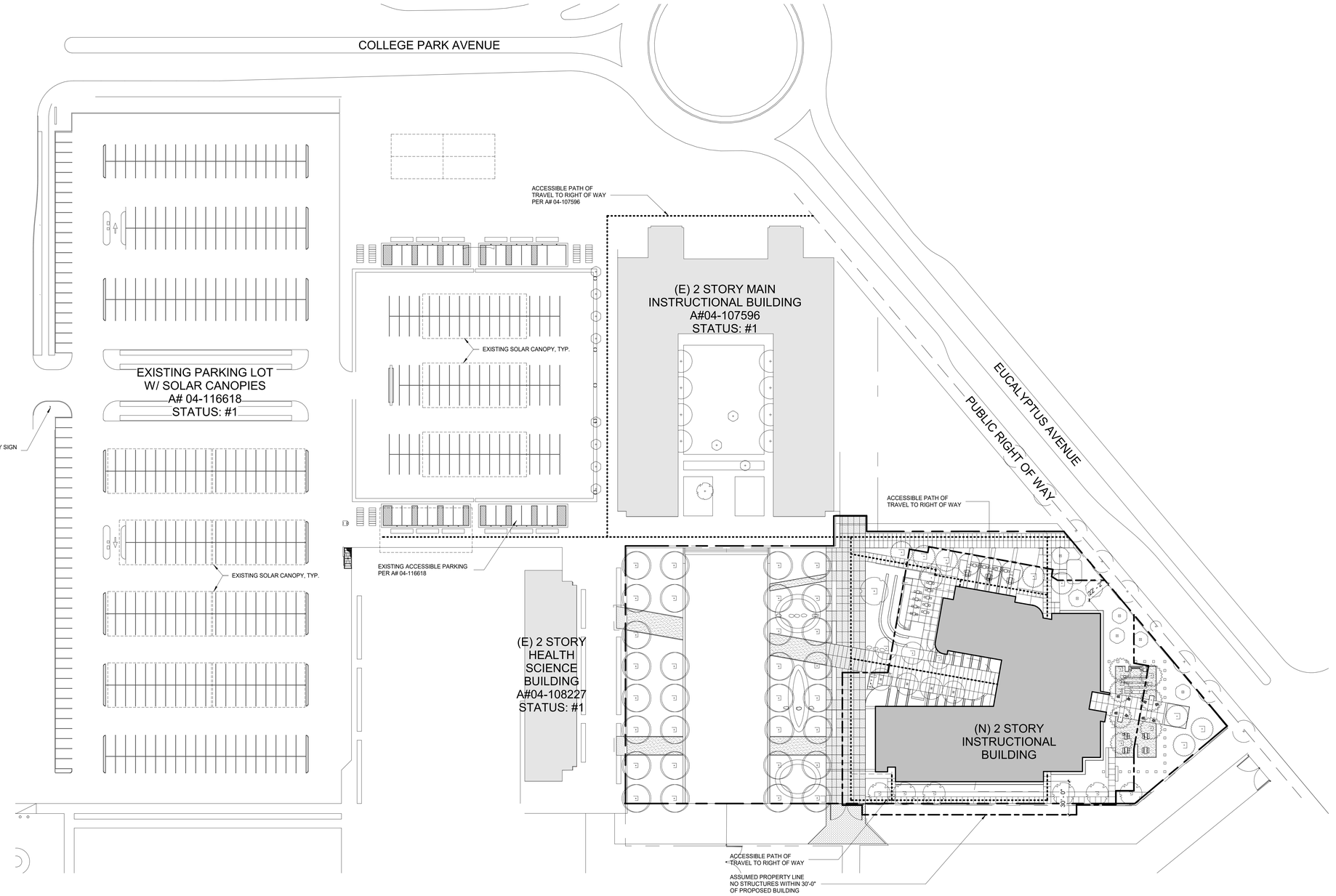
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET IF ORIGINAL SIZE 30"X42"



CODE ANALYSIS SITE PLAN

1" = 40'-0"

8/6/2021 9:08:17 AM

PLEASE RECYCLE

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEET 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 POT WAS EXAMINED AND ANY ELEIMATES COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON COMPLIANT 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 SEPCIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMIATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCITON TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

- APPROXIMATE LIMIT OF WORK. REFER TO ADDITIONAL DRAWINGS FOR WORK WHICH MAY EXTEND BEYOND THIS APPROXIMATE LIMIT OF WORK LINE.
- ASSUMED PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL TO RIGHT OF WAY
- NEW BUILDING
- EXISTING BUILDINGS

PATH OF TRAVEL (P.O.T)
PATH OF TRAVEL AS INDICATED IS A BARRIER-FREE ACCESS AT LEAST 48 INCHES WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2 INCH AT 1:2 MAX SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4 INCH VERTICAL. MAXIMUM CROSS SLOPE IS 2% TYPICAL, AND MAXIMUM SLOPE IN DIRECTION OF TRAVEL IS 3% UNLESS OTHERWISE NOTED. THE ARCHITECT SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.

FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH MAXIMUM CLEAR IN THE DIRECTION OF TRAFFIC FLOW.

PARKING LOT RATIO

EXISTING PARKING SPACE RATIO

TOTAL NON-ACCESSIBLE PARKING SPACES =	468
TOTAL STANDARD ACCESSIBLE PARKING SPACES =	24
TOTAL VAN ACCESSIBLE PARKING SPACES =	2

PARKING SPACE REQUIREMENTS PER CBC 2019 TABLE 11B-208.2

PARKING LOT WITH 401 TO 500 SPACES REQUIRES 9 ACCESSIBLE PARKING SPACES. THIS INCLUDES 1 IN 6 TO BE VAN ACCESSIBLE.

BASED ON 468 SPACES, 9 ACCESSIBLE SPACES ARE REQUIRED, 2 OF WHICH ARE TO BE VAN ACCESSIBLE.

PER CBC 2019 REQUIREMENTS, THE EXISTING NUMBER OF ACCESSIBLE PARKING MEETS CODE.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CODE ANALYSIS SITE PLAN

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

G1.11

OCCUPANCY ANALYSIS - 2ND FLOOR | 13

1/16" = 1'-0"

OCCUPANCY ANALYSIS - 1ST FLOOR | 3

1/16" = 1'-0"

BUILDING REQUIREMENTS

CHAFFEY COLLEGE CHINO INSTRUCTIONAL BUILDING REQUIREMENTS

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (CBC 2019 TABLE 601)	
PRIMARY STRUCTURAL FRAME	0-NR
ALL BEARING WALLS	0-NR
NONBEARING WALLS AND PARTITIONS - INTERIOR	0-NR
FLOOR AND SECONDARY MEMBERS	0-NR
ROOF AND SECONDARY MEMBERS	0-NR
TRAVEL DISTANCE (CBC 2019 TABLE 1017.2)	
"A" OCCUPANCY WITH SPRINKLERS	250'
"B" OCCUPANCY WITH SPRINKLERS	300'
"S-1" OCCUPANCY WITH SPRINKLERS	250'
SHAFT ENCLOSURES (CBC 2019 713.4)	1-HR

INTERIOR WALL AND CEILING FINISH REQUIREMENTS, SPRINKLERED (CBC 2019 TABLE 803.13)

OCCUPANCY	INTERIOR EXIT STAIRWAYS	CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS	ROOMS AND ENCLOSED SPACES
A-3	B	B	C
B	B	C	C
S	C	C	C

DUCTS AND TRANSFER OPENINGS	FIRE BARRIERS (CBC 2019 717.5.2) DUCTS AND AIR TRANSFER OPENINGS OF FIRE BARRIERS SHALL BE PROTECTED WITH LISTED FIRE DAMPERS INSTALLED IN ACCORDANCE WITH THEIR LISTING. HORIZONTAL ASSEMBLIES (CBC 2019 717.6) PENETRATIONS BY DUCTS AND AIR TRANSFER OPENINGS OF A FLOOR, FLOOR/CEILING ASSEMBLY OR THE CEILING MEMBRANE OF A ROOF/CEILING ASSEMBLY SHALL BE PROTECTED BY A SHAFT ENCLOSURE THAT COMPLIES WITH SECTION 713 OR SHALL COMPLY WITH SECTIONS 717.6.1 THROUGH 717.6.3 THROUGH PENETRATION FIRESTOP SYSTEM (CBC 2019 714.4.1.2) THROUGH PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTIVE RATING OF THE WALL PENETRATED.
FLOOR FINISHES (CBC 2019 804.4.1 AND 804.4.2)	CLASS II (SMOKE DENSITY RATING OF LESS THAN 450 PER ASTM E662)
FIRE ALARM AND DETECTION SYSTEM (CBC 2019 907)	AUTOMATIC FIRE ALARM SYSTEM REQUIRED (CBC 2019 907.2.1 AND 907.2.2) SMOKE DETECTORS REQUIRED HEAT DETECTORS REQUIRED IN COMBUSTIBLE SPACES WHERE SPRINKLERS OR SMOKE DETECTORS ARE NOT INSTALLED.
STANDPIPE SYSTEM (CBC 2019 905)	CLASS I REQUIRED (CBC 2019 905.4) REQUIRED IN EVERY REQUIRED INTERIOR EXIT STAIRWAY. HOSE CONNECTIONS AT MAIN FLOOR LANDINGS.
FIRE EXTINGUISHERS (CBC 2019 906)	75' MAX TRAVEL DISTANCE TO EXTINGUISHER IN GROUP A, B, AND S OCCUPANCIES
MINIMUM CORRIDOR WIDTH (CBC 2019 TABLE 1020.2)	44"
ROOF COVERING CLASSIFICATION (CBC 2019 1505.1)	CLASS A
FLOOR LEVEL EXIT SIGNS (CBC 2019 1013.7 EXCEPTION 1)	NOT REQUIRED

PLUMBING FIXTURE OCCUPANCY

CALIFORNIA PLUMBING CODE 2019 TABLE 422.1, TABLE A OCCUPANCY FACTORS			
OCCUPANCY CLASSIFICATION PER CBC CHAPTER 3 AND DSA IR A-26.CC	**OCCUPANT LOAD FACTOR (OLF) PER CPC TABLE 422.1 AND TABLE A**	**BUILDING FLOOR AREA, SF FLOOR 1 + FLOOR 2**	**BUILDING OCCUPANTS FOR PLUMBING FIXTURE REQUIREMENT**
A-3 ASSEMBLY	30	3,834	128
B BUSINESS OFFICE + CLASSROOM	200	12,304	62
S-1 STORAGE	5,000	1020	0

PLUMBING FIXTURE CALCULATION

CALIFORNIA PLUMBING CODE 2019 TABLE 422.1					
	MALE (95)		FEMALE (95)		RATIO
FIXTURE TYPE	**REQUIRED**	**PROVIDED**	**REQUIRED**	**PROVIDED**	
WATER CLOSETS	2	7	4	10	
URINALS	2	3	-	-	
LAVATORIES	2	6	2	7	
BATHTUBS OR SHOWERS	-	-	-	-	
DRINKING FOUNTAINS	2 REQUIRED, 2 PROVIDED (VERIFY)				
OTHER	2 SERVICE SINK OR LAUNDRY TRAY REQUIRED, 2 PROVIDED (VERIFY)				

CBC 2019 NONSEPARATED OCCUPANCY PER CBC 508.3														
BUILDING NAME	**OCCUPANCY CLASSIFICATION PER CBC CHAPTER 3 AND DSA IR A-26.CC**	**OCCUPANT LOAD FACTOR (OLF) PER CBC TABLE 1004.5 AND DSA IR A-26.CC**	**CONSTRUCTION TYPE PER CBC CHAPTER 6 AND TABLE 601**	**ALLOWABLE NUMBER OF STORIES PER CBC TABLE 504.4**	**ACTUAL NUMBER OF STORIES PROPOSED**	**ALLOWABLE BUILDING HEIGHT IN FEET PER CBC TABLE 504.3**	**ACTUAL BUILDING HEIGHT IN FEET PROPOSED**	**ALLOWABLE FLOOR AREA IN SQ. FT. PER CBC TABLE 506.2 (SM)**	**ACTUAL FLOOR AREA IN SQ. FT. PROPOSED**	**REQUIRED SEPARATION OF OCCUPANCIES PER CBC TABLE 508.4**	**FIRE RESISTIVE RATING REQUIREMENTS PER CBC TABLE 601**	**ALLOWABLE OPENINGS PER CBC TABLE 705.8**	**AUTOMATIC FIRE SPRINKLER SYSTEM PER CBC CHAPTER 9**	**ALLOWABLE BUILDING AREA FOR NONSEPARATED OCCUPANCIES PER CBC 508.3 AND 508.4.2**
CHAFFEY COLLEGE	A-3 ASSEMBLY, NO FIXED SEATING	7	IIB	3 (MOST STRINGENT)	2	75 (MOST STRINGENT)	43	28,500 (MOST STRINGENT)	3,834	NONE REQUIRED, CBC 508.3	NONE REQUIRED, CBC 508.3	NO LIMIT	SPRINKLERED	3,834/28,500 = 0.135
CHINO INSTRUCTIONAL BUILDING	A-3 ASSEMBLY, LIBRARY READING ROOM	50	IIB	3	2	75	43	28,500	4,825	NONE REQUIRED, CBC 508.3	NONE REQUIRED, CBC 508.3	NO LIMIT	SPRINKLERED	4,825/28,500 = 0.169
	B BUSINESS OFFICE	150	IIB	4	2	75	43	69,000	2,610	NONE REQUIRED, CBC 508.3	NONE REQUIRED, CBC 508.3	NO LIMIT	SPRINKLERED	2,610/28,500 = 0.092
	B COLLEGE CLASSROOM	20	IIB	4	2	75	43	69,000	9,694+9,875+3,818=23,387	NONE REQUIRED, CBC 508.3	NONE REQUIRED, CBC 508.3	NO LIMIT	SPRINKLERED	23,387/28,500 = 0.821
	S-1 STORAGE	300	IIB	3	2	75	43	70,000	1020	NONE REQUIRED, CBC 508.3	NONE REQUIRED, CBC 508.3	NO LIMIT	SPRINKLERED	3,834/28,500 = 0.036

TOTAL ALLOWABLE FLOOR AREA
FLOOR 1 28,500
FLOOR 2 28,500
TOTAL 57,000 SF

TOTAL PROPOSED FLOOR AREA
TOTAL 35,676 SF

FOR TWO STORIES, 2 > 1.253 FLOOR AREA COMPLIES

CODE ANALYSIS TABLE | NTS

AGENCY APPROVAL:

IDENTIFICATION STAMP
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APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

LEGENDS

- A-3 — ASSEMBLY GROUP A - MULTIPURPOSE WITH NO FIXED SEATING LIBRARY READING ROOM, COMPUTER AREA
- B — BUSINESS GROUP B - CLASSROOM, OFFICE
- S-1 — STORAGE GROUP S - STORAGE
- NON-OCCUPIABLE CLASSIFED SPACES (CIRCULATION, RESTROOMS, MECHNICAL & ELECTRICAL ROOMS)

ROOM OCCUPANCY INFORMATION

ROOM NAME
AREA — AREA(SQ. FT.)
OCC — OCCUPANCY CLASSIFICATION
FACTOR — OCCUPANT LOAD FACTOR
LOAD — OCCUPANT LOAD

BUILDING ELEMENTS

0-NR NON-RATED PARTITION
1 HR FIRE BARRIER/SHAFT WALL

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
FLOOR PLANS - OCCUPANCY ANALYSIS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

G1.21

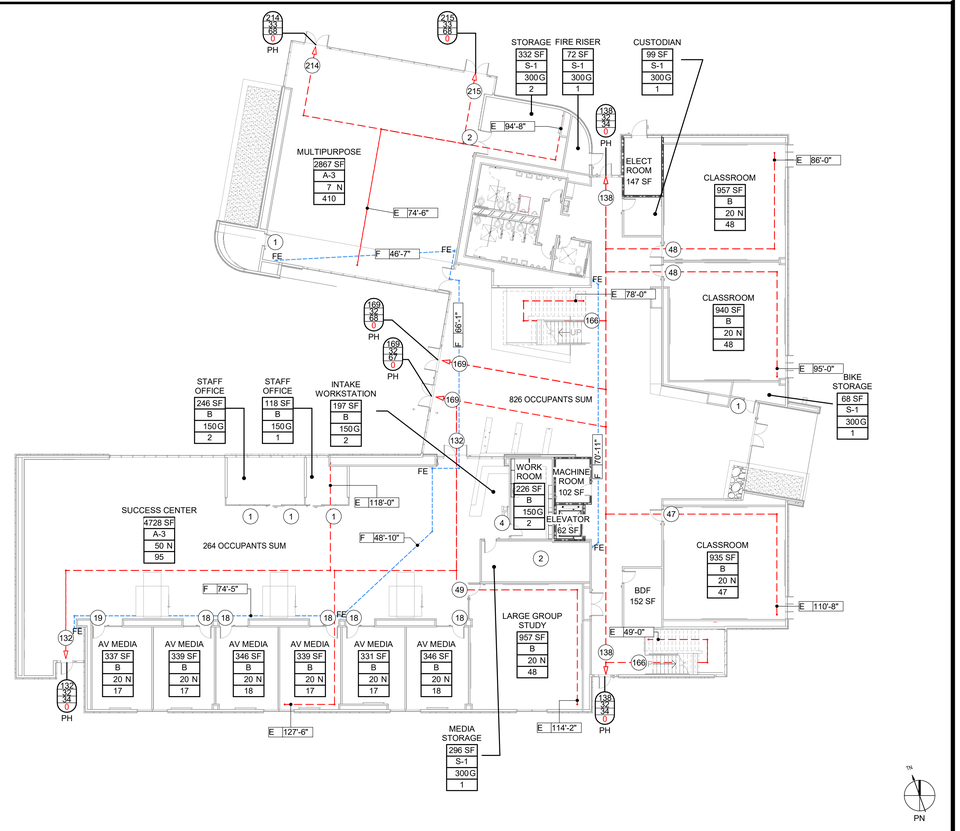
8/5/2021 9:08:36 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)

EXITING ANALYSIS - 2ND FLOOR | 2

1/16" = 1'-0"



EXITING ANALYSIS - 1ST FLOOR | 1

1/16" = 1'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

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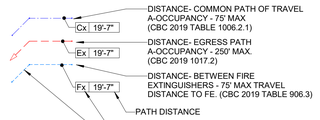
LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

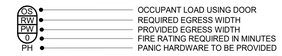
ISSUE

Δ	DESCRIPTION	DATE

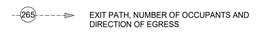
LEGENDS



DOOR EXITING INFORMATION



ROOM EXITING INFORMATION



BUILDING ELEMENTS

NOTES

1. THE TRAVEL DISTANCE FROM ANY REMOTE LOCATION IN A ROOM SHALL NOT EXCEED 2019 CBC TABLE 1017.2 CODE REQUIREMENTS.
2. SEE REFLECT CEILING PLANS FOR LOCATIONS OF EXIT SIGNS

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLANS - EXITING ANALYSIS

DSA APPROVAL

FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

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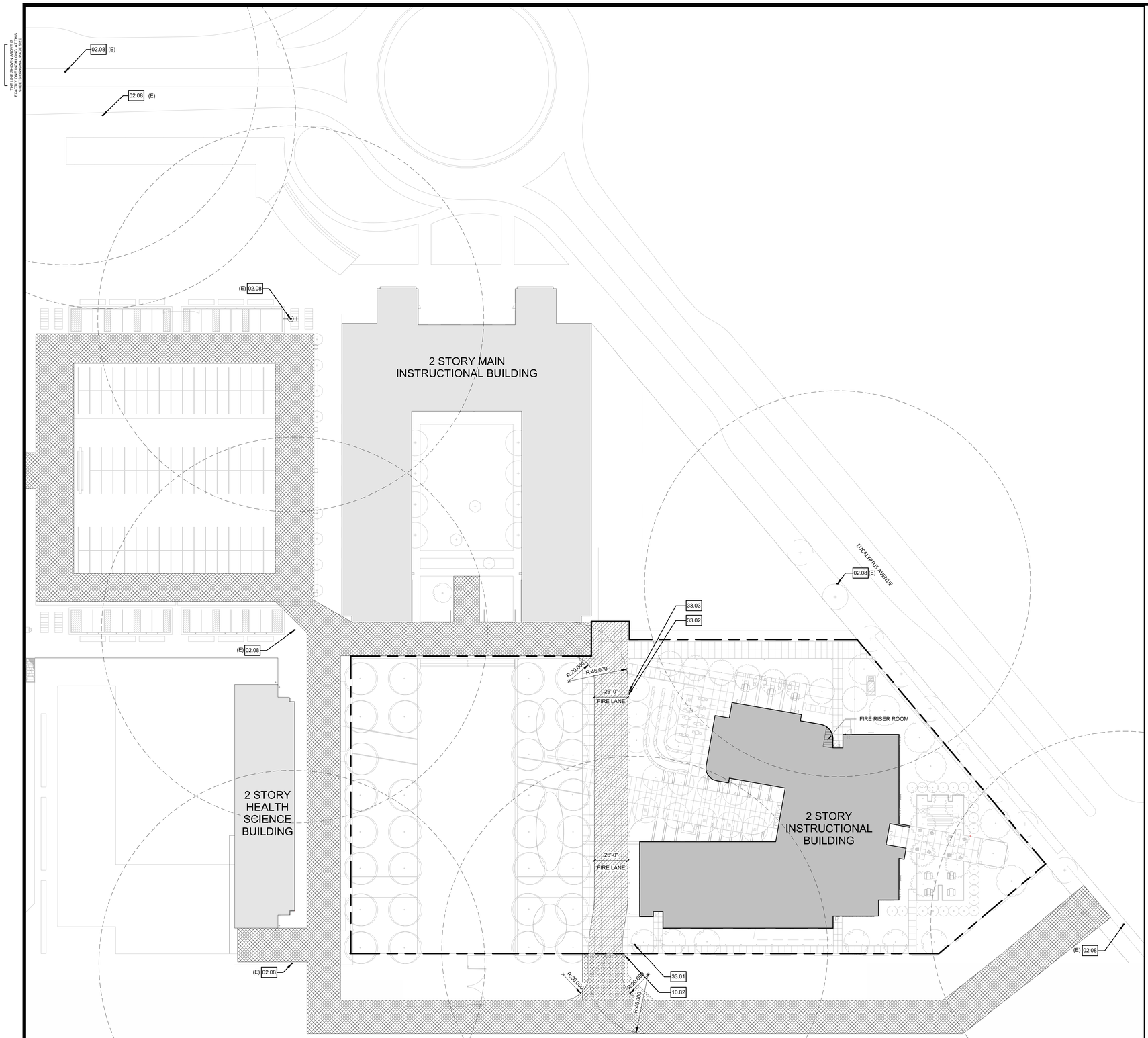
5/5/2021 9:05:54 AM



FIRE ACCESS PLAN 1
1/32" = 1'-0"

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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:	Chaffey Community College District
Project Name/School:	Chaffey College Chino Instructional Building
Project Address:	5897 College Park Avenue, Chino, CA 91710

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: http://egis.fire.ca.gov/FHSZ/	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

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: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

CHINO VALLEY FIRE DISTRICT

ACCEPTED AS SUBMITTED

This stamp does not constitute approval for code requirements other than Fire District regulations and does not relieve the permit holder of the responsibility for compliance with all applicable codes & regulations. It is unlawful to make any changes to this set of plans without written approval from the Fire District.

FINAL ACCEPTANCE IS SUBJECT TO FIELD INSPECTION

Digitally signed by Ryan Dacko
Date: 2020.09.25 13:27:55-07'00'

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.08	(E) FIRE HYDRANT TO REMAIN; PROTECT IN PLACE
10.82	(N) KNOX BOX - REFER TO SPECS
33.01	33 10 00 | FIRE HYDRANT | CIVIL
33.02	33 10 00 | FIRE DEPARTMENT CONNECTION | CIVIL
33.03	33 10 00 | POST INDICATOR VALVE | CIVIL

LEGENDS

- EXISTING BUILDING
- NEW BUILDING
- EXISTING FIRE ACCESS LANE
- NEW FIRE ACCESS LANE - SEE CIVIL AND LANDSCAPE FOR ADDITIONAL INFORMATION
- 150' RADIUS FIRE HYDRANT COVERAGE
- LIMIT OF WORK

NOTES

BUILDING INFORMATION

NEW CONSTRUCTION
BUILDING SQUARE FOOTAGE : 35,676 SF (2 STORIES)
CONSTRUCTION TYPE : II-B
OCCUPANCY = B, A3, S1
FIRE SPRINKLERS = YES

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FIRE ACCESS PLAN

FIRE AUTHORITY APPROVAL

FILE NO.: XX-XX **A# : XX-XXXXX**

DATE: **07.16.2020** CLIENT PROJ NO:

SHEET:

G1.41

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 3" LONG ON ORIGINAL SHEET. IF THIS SHEET IS ORIGINAL SPACE SIZE

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: Chaffey College - Chino Instructional Building	Report Page:	Page 4 of 5
Project Address: 5897 College Park Ave., Chino	Date Prepared:	12/7/2020

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why 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/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
○	◉	NRCI-SPV-01-E - Must be submitted for all newly installed Photovoltaic Systems (PV) being used to comply with §110.10(b)1B for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	☐	☐
○	◉	NRCI-STH-01-E - Must be submitted for all newly installed Solar Water Heating systems being used to comply with §110.10(b)1B for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	☐	☐

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to solar ready requirements.

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: Chaffey College - Chino Instructional Building	Report Page:	Page 5 of 5
Project Address: 5897 College Park Ave., Chino	Date Prepared:	12/7/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Milad Sarkis	Documentation Author Signature:	
Company:	HMC Architects	Signature Date:	12/7/2020
Address:	3546 Concours St	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Ontario, CA 92868	Phone:	909.989.9979

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:	Kenneth Salyer	Responsible Designer Signature:	
Company :	HMC Architects	Date Signed:	12/7/2020
Address:	3546 Concours St.	License:	C-19082
City/State/Zip:	Ontario, CA 91764	Phone:	909.9899979

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: Chaffey College - Chino Instructional Building	Report Page:	Page 1 of 5
Project Address: 5897 College Park Ave., Chino	Date Prepared:	12/7/2020

This document is used to demonstrate compliance with mandatory requirements in §110.10 for newly constructed buildings which are either high-rise 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 for additions to these building types which add more than 2,000 ft² of roof area. Alterations or additions of less than 2,000 ft² of roof area are not required to comply with §110.10.

A. GENERAL INFORMATION

01	Project Location (city)	Chino	04	Building Type	Other nonresidential bldg 3 stories or fewer
02	Climate Zone	10	05	Construction Type	New Construction
03	☐ Roof is designed for vehicle traffic, parking or for heliport				

B. PROJECT SCOPE

Table Instructions: Select the compliance path the project is using to comply per §110.10(b)1B.

My project consists of (check one):

01	
☑ Provide Solar Ready Area no exceptions	The project has allocated a solar zone on the roof plan per requirements in §110.10(b), as documented in Table F.
☐ Exception to Solar Ready Area: Installed Solar Photovoltaic System	The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area, as documented in Table G.
☐ Exception to Solar Ready Area: Installed Solar Water Heating System	The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with §150.1(c)8Biii and Reference Residential Appendix RA4, as documented in Table H.
☐ Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure	The project is a high-rise multifamily occupancy where all thermostats in each dwelling unit comply with §110.12(a) AND at least one additional measure listed in Exception 4 to §110.10(b)1B is installed, as documented in Table I.

C. COMPLIANCE RESULTS

Table Instructions: 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	09
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	
(See Table F)				(See Table G)				(See Table H)				(See Table I)		
3,355.1145	≤	6,553	OR		≤		OR		≤		OR			COMPLIES
Inverter: E3.21A - Metering: E6.02 - Routing:E1.21.				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).										COMPLIES

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: Chaffey College - Chino Instructional Building	Report Page:	Page 2 of 5
Project Address: 5897 College Park Ave., Chino	Date Prepared:	12/7/2020

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ALLOCATED SOLAR ZONE

Table Instructions: Complete this table if the project is designating a solar zone to comply with §110.10(b)1B. For new construction consider total roof area; for additions consider newly added roof area.

Required Minimum Solar Zone

01	02	03	04	05	06			07	08
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft²)	Total New or Added Roof Area Covered with Skylights (ft²)	Minimum Solar Zone Based on Total or Added Roof Area (0.15 x (Roof-Skylt)) (ft²)	Method/Tool(s) Used to Determine Annual Solar Access for Potential Zones[1]	Potential Solar Zone Areas: Roof Areas with ≥ 70% Solar Access: Low-Sloped Area (≤ 2:12 pitch) (ft²)	Steep-Sloped Area (> 2:12 pitch), Oriented 90° - 300° (ft²)	Total Potential Solar Zone Area (ft²)	Minimum Solar Zone Based on Potential Zone (0.5 x (Total Potential Zone)) (ft²)	Required Minimum Solar Zone Area (ft²)
Total New or Added Roof Area	22,367.43	0	3,355.1145						3,355.1145

Designated Solar Zone Subareas

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low ≤ 2:12 pitch) (Steep > 2:12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per §110.10(b)3A	Subarea is Required Distance from Potential Obstructions per §110.10(b)3B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies?

Table Continued

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: Chaffey College - Chino Instructional Building	Report Page:	Page 3 of 5
Project Address: 5897 College Park Ave., Chino	Date Prepared:	12/7/2020

Designated Solar Zone Subareas

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low ≤ 2:12 pitch) (Steep > 2:12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per §110.10(b)3A	Subarea is Required Distance from Potential Obstructions per §110.10(b)3B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies?
	A4.11	Low-Sloped		Yes	Yes	Yes	Yes	160	6,553	COMPLIES
								Total Designated Solar Zone Area (ft²):	**6,553**	

Interconnection Pathways

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).	Inverter: E3.21A - Metering: E6.02 - Routing:E1.21.

[1] *FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per §110.10(b)1B. Solar access is the ratio of solar insolation including shade to the solar insolation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.*

G. PERMANENTLY INSTALLED SOLAR PHOTOVOLTAIC (PV) SYSTEM

This Section Does Not Apply

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEM

This Section Does Not Apply

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE

This Section Does Not Apply

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

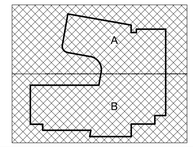
Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

NOTES

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SOLAR READY COMPLIANCE

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

G1.51

9/3/2021 9:09:19 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG WHEN PLOTTED ON 22x34 ORIGINAL MAP SIZE

GENERAL NOTES:

1. NO GRADING SHALL BE STARTED WITHOUT FIRST NOTIFYING THE ENGINEER.
2. ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH COUNTY OF SAN BERNARDINO CODE THAT CONTROLS AND RESTRICTS NOISE FROM THE USE OF CONSTRUCTION AND GRADING EQUIPMENT AFTER BUSINESS HOURS, ON SUNDAYS, AND HOLIDAYS.
3. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY FIELD ENGINEER OR LICENSED SURVEYOR. PRIOR TO GRADING, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.
5. ALL OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES SHALL BE SEALED WITH 8 INCHES OF BRICK AND MORTAR OR 6 INCHES OF CONCRETE, UNLESS OTHERWISE SHOWN.
6. FINAL UTILITY STRUCTURE AND MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO MEET FINAL GRADES.
7. ALL CONTRACTORS PERFOMING WORK ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF 2019 CFC §901.7**, SPECIFICALLY-§901.7.4, CH. 11, CH. 33, AND 2016 NFPA 241 FIRE-PREVENTION PROGRAM THROUGHOUT ALL PHASES OF CONSTRUCTION.
8. CONTRACTOR WILL MAINTAIN AN ALL-WEATHER APPROVED EMERGENCY VEHICLE ACCESS ROADWAY WITH A MINIMUM DIMENSION OF 20' IN WIDTH AND 13'-6" IN VERTICAL CLEARANCE THROUGHOUT CONSTRUCTION PERIOD CONFORMING TO 2019 CFC §503, §3310.1, §3308 & 2016 NFPA 241 AND COORDINATE WITH THE CSFM AND LOCAL AHJ PRIOR TO COMMENCEMENT OF ANY SITE AND ACCESS ALTERATION.

GENERAL UTILITY NOTES:

1. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE.
2. INSTALLATION OF PIPES IN TRENCHES SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 330500 INSTALLATION OF BURIED PIPE.
3. CONTRACTOR SHALL PROTECT IN PLACE OR ADJUST WHERE NECESSARY ALL EXISTING UTILITY LINES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, THAT LAY WITHIN THE LIMITS OF THE NEW CONSTRUCTION, AND ARE NOT SPECIFICALLY MARKED TO BE REMOVED OR ABANDONED.
4. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES THAT ARE IN CONFLICT WITH THE PROJECT, PRIOR TO START OF CONSTRUCTION.

SURVEY CONTROL:

HORIZONTAL CONTROL DATUM: STATE PLANE COORDINATES. CALIFORNIA COORDINATE SYSTEM ZONE 5
BASED ON NAD83(2011) EPOCH 2017.50. POSITIONAL VALUES SHOWN HEREON ARE BASED UPON LOCAL CONTROL POINTS AND DERIVED FROM THE GPS STATIC OBSERVATIONS UTILIZING DATA FROM SOUTHERN CALIFORNIA INTEGRATED
GPS NETWORK (SCIGN) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS).

PSDM	34-05-30.347391 117-48-25.487549	1025.946
NOCO	33-55-10.944997 117-34-10.449730	725.782
CNPP	33-51-27.470163 117-36-32.069260	1098.468
SPMS	33-59-33.548900 117-50-55.549779	794.216

VERTICAL CONTROL DATUM: VERTICAL VALUES SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UTILIZING CITY OF CHINO LISTED BELOW.

BENCHMARK NO: 141/61

2-1/2 BRASS DISC STAMPED "141/61 RESET 6-01" IN THE TOP OF CURB
1' SOUTH OF A CATCH BASIN AT THE NORTHWEST INTERSECTION OF
MAGNOLIA AVENUE AND EDISON AVENUE

ELEVATION = 674.973 FEET (2001 ADJUSTMENT)

BENCHMARK NO: 141/57

2-1/2 BRASS DISK STAMPED "141/57 RESET 6-01" IN THE TOP OF CURB
AT THE NORTHERLY INTERSECTION OF BENSON AVENUE AND EDISON AVENUE

ELEVATION = 669.333 FEET (2001 ADJUSTMENT)

AIR QUALITY NOTES:

1. GROUND WATERING TO CONTROL DUST SHALL BE REQUIRED DURING CONSTRUCTION, PURSUANT TO SCAQMD RULE 403.
2. ALL CLEARING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE DURING PERIODS WHEN WINDS EXCEED 15 MILES PER HOUR, AND WHEN DIRECTED BY THE CLIENT.
3. MATERIALS SUCH AS OIL-BASED ARCHITECTURAL COATINGS, PAINTS AND ASPHALT USED IN CONSTRUCTION SHALL BE CONTROLLED ACCORDING TO SCAQMD REGULATIONS.
4. ALL MATERIALS TAKEN OFF-SITE SHALL BE EITHER SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNTS OF DUST.
5. ON-SITE VEHICLE SPEED SHALL BE POSTED AT 5 MILES PER HOUR.
6. STREETS ADJACENT TO THE SITE SHALL BE SWEPT AS NEEDED, OR AS DETERMINED BY THE CLIENT, TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES.
7. ENGINES MUST BE MAINTAINED IN GOOD CONDITION ACCORDING TO MANUFACTURER'S SPECIFICATIONS. BOTH GRADING AND CONSTRUCTION ACTIVITIES ARE TO BE SCHEDULED TO EVEN OUT EMISSION PEAKS.
8. GRADING OPERATIONS SHALL BE SUSPENDED DURING SECOND STAGE SMOG ALERTS.
9. THE SITE SHALL BE FENCED TO REDUCE WIND-BLOWN DUST. CONSTRUCTION MATERIALS NOT STORED BEHIND THE TEMPORARY FENCES SHALL BE COVERED. ALL STORED SOIL AND SAND SHALL BE COVERED OR TREATED WITH SOIL BINDERS, WHETHER INSIDE OR OUTSIDE THE TEMPORARY WALL. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL DEBRIS SHALL BE CLEANED UP DAILY AND PUT IN A DUMPSTER WHICH SHALL HAVE A LID AND THE LID SHALL BE SECURED AT THE END OF THE DAY.

GEOTECHNICAL NOTES:

SEE GEOTECHNICAL REPORT, PROJECT NO. T2746-99-11 DATED FEBRUARY 14, 2020, PREPARED BY GEOCON INCORPORATED. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT.

RESPONSE TO ENGINEERING GEOLOGY AND SEISMOLOGY REVIEW, GEOTECHNICAL INVESTIGATION REPORT, DATED AUGUST 11, 2020

NOTICE TO CONTRACTORS:

1. THESE PLANS DEPICT THE OWNER'S DESIGN INTENT AND REGULATORY REQUIREMENTS. THE EXISTENCE, LOCATION, AND CHARACTERISTICS OF UTILITIES AND SITE INFORMATION SHOWN ON THESE PLANS, HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA AND NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, SIZES, LOCATIONS AND QUANTITIES OF ALL EXISTING AND PROPOSED WORK, AND TO RESOLVE ALL DISCREPANCIES PRIOR TO THE COMMENCEMENT OF ANY WORK OR THE PURCHASE OF ANY MATERIALS.
2. UNLESS OTHERWISE NOTED, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (GREENBOOK), AND ANY APPLICABLE COUNTY OF LOS ANGELES CODES, STANDARDS, OR DESIGN DETAILS AS WELL AS THE PROJECT SPECIFICATIONS.
3. THE OWNER, THE OWNER'S REPRESENTATIVE, OR THE RESPONSIBLE GOVERNMENTAL AUTHORITY SHALL HAVE THE RIGHT TO REJECT ANY AND ALL WORK THAT DOES NOT MEET THE OWNER'S DESIGN INTENT AS DESCRIBED ON THE PLANS HEREIN OR CALLED FOR IN THE DESIGN SPECIFICATIONS, OR AS REQUIRED BY ANY APPLICABLE GOVERNMENTAL CODES, STANDARDS OR DETAILS. ANY WORK REJECTED, RECOGNIZED AS NOT BEING DONE IN A WORKMANLIKE MANNER OR THAT IS OTHERWISE DEEMED AS UNACCEPTABLE, SHALL BE REMOVED AND REINSTALLED AT THE CONTRACTOR'S SOLE EXPENSE.
4. THE CONTRACTOR IS REQUIRED TO REVIEW THE PLANS, THE SOILS AND/OR GEOLOGIC REPORTS, AND THE SITE PRIOR TO COMMENCING WORK.
5. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL JOIN CONDITIONS FOR GRADING, DRAINAGE AND UNDERGROUND FACILITIES, INCLUDING LOCATION AND ELEVATION OF EXISTING UNDERGROUND FACILITIES AT CROSSINGS WITH PROPOSED UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, PSOMAS, AT (213) 223-1400 AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
6. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
7. FOR TRENCH OR FOOTING EXCAVATIONS DEEPER THAN FIVE FEET, CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE CALIFORNIA CONSTRUCTION AND SAFETY ORDERS. THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND THE CONSTRUCTION SAFETY ACT SHOULD BE MET.
8. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION TO ARRANGE FOR FIELD LOCATION OF UTILITY LINES. CALL 1-800-227-2600 FOR THIS SERVICE. ANY UTILITY NOT SUBSCRIBING TO THIS SERVICE SHALL BE CONTACTED DIRECTLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHETHER ALL UTILITIES HAVE BEEN NOTIFIED.
9. ALL TRAFFIC CONTROL, BARRICADING, AND CONSTRUCTION SIGNING SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICE (M.U.T.C.D.) DETOUR SIGNS SHALL BE POSTED ON WOOD OR METAL POSTS. SIGNS SHALL NOT BE POSTED ON ANY TREE OR TRAFFIC SIGN.
10. NO WATER SHALL BE TAKEN FROM FIRE HYDRANTS WITHOUT APPROVAL FROM THE OWNER.
11. DUST SHALL BE CONTROLLED BY SWEEPING AND WATERING.
12. ALL NON-STORMWATER DISCHARGES FROM THE CONSTRUCTION PHASE ACTIVITIES AT THE PROJECT SITE (I.E., MIXING AND CLEANING OF CONSTRUCTION MATERIALS, CONCRETE AND PLASTER WASHOUT, DISPOSAL OF PAINTS, ADHESIVES, SOLVENTS, AND LANDSCAPE PRODUCTS) SHALL BE PROHIBITED FROM ENTERING THE STORM DRAINAGE SYSTEM (INCLUDING MUNICIPAL STREETS, CATCH BASINS, CURBS, GUTTERS, DITCHES, MAN-MADE CHANNELS, OR UNDERGROUND STORM DRAINS).
13. GROUND WATERING TO CONTROL DUST SHALL BE REQUIRED DURING CONSTRUCTION PURSUANT TO SCAQMD RULE 403.
14. MATERIALS SUCH AS OIL-BASED ARCHITECTURAL COATINGS, PAINTS AND ASPHALT USED IN CONSTRUCTION SHALL BE CONTROLLED ACCORDING TO SCAQMD REGULATIONS.
15. ALL MATERIALS TAKEN OFF-SITE SHALL BE EITHER SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNTS OF DUST.
16. ON-SITE VEHICLE SPEED SHALL BE POSTED AT 15 MILES PER HOUR.
17. STREETS ADJACENT TO THE SITE SHALL BE SWEPT AS NEEDED TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES.
18. ENGINES MUST BE MAINTAINED IN GOOD CONDITION ACCORDING TO MANUFACTURER'S SPECIFICATIONS. BOTH GRADING AND CONSTRUCTION ACTIVITIES ARE TO BE SCHEDULED TO EVEN OUT EMISSION PEAKS.
19. GRADING OPERATIONS SHALL BE SUSPENDED DURING SECOND STAGE SMOG ALERTS.
20. THE SITE SHALL BE FENCED TO REDUCE WIND-BLOWN DUST. CONSTRUCTION MATERIALS NOT STORED BEHIND THE TEMPORARY FENCES SHALL BE COVERED. ALL STORED SOIL AND SAND SHALL BE COVERED OR TREATED WITH SOIL BINDERS, WHETHER INSIDE OR OUTSIDE THE TEMPORARY WALL. ALL DEBRIS SHALL BE CLEANED UP DAILY AND PUT IN A DUMPSTER WHICH SHALL HAVE A LID AND THE LID SHALL BE SECURED AT THE END OF THE DAY.
21. CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT RELATED EROSION CONTROL MEASURES.
22. UTILITY AND EROSION CONTROL WORK MAY BE REQUIRED OUTSIDE THE LIMIT OF WORK LINE AND ARE CONSIDERED PART OF THIS PROJECT.

ABBREVIATIONS:

ASPH	ASPHALT PAVEMENT
BW	BACK OF WALK
ELEV	ELEVATION
CB	CATCH BASIN
CF	CURB FACE
CHW	CHILLED WATER
CLF	CHAIN LINK FENCE
CO	CLEANOUT
COM	COMMUNICATIONS
CONC	CONCRETE PAVEMENT
DG	DECOMPOSED GRANITE
DS	DOWNSPOUT
DW	DOMESTIC WATER
E	ELECTRICAL LINE
EPB	ELECTRICAL PULL BOX
F	FILL
FDC	FIRE DEPARTMENT CONNECTION
F.F.	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
FO	FIBER OPTIC LINE
FS	FINISHED SURFACE
FW	FIRE WATER
G	GAS LINE
GB	GRADE BREAK
GL	GARDEN LIGHT
GW	GREASE WASTE
HORIZ.	HORIZONTAL
HP	HIGH POINT ELEVATION
HW	HOT WATER
ICV	IRRIGATION CONTROL VALVE
INV	INVERT
IRR	IRRIGATION WATER
LP	LOW POINT ELEVATION
N.I.C.	NOT IN CONTRACT
P.A.	PLANTER AREA
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE PIPE
R	RIDGE
R/W	RIGHT OF WAY
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF.	REFERENCE
S	SLOPE
STA	STATION
SD	STORM DRAIN
SDCO	STORM DRAIN CLEANOUT
SMH	SEWER MANHOLE
SPPWC	STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION
SS	SANITARY SEWER
STD.	STANDARD
T	TELEPHONE LINE
TB	TOP OF BERM
TC	TOP OF CURB
TCB	TOP OF CONCRETE BEAM
TG	TOP OF GRATE
TOT.	TOTAL
TW	TOP OF WALL
UHV	ULTRA HIGH VOLTAGE CONDUIT
WV	WATER VALVE
YL	YARD LIGHT

LEGEND:

- CONCRETE PAVING PER DETAIL 1 / SHEET C9.00
- UNIT PAVERS PER LANDSCAPE PLANS, DETAIL 6 / SHEET L1.51
- COMPACTED FIRE ACCESS ROAD PER DETAIL 2 / SHEET C9.00
- PLANTING AREA PER LANDSCAPE PLANS
- HEAVY DUTY CONCRETE PAVING PER DETAIL 2 / SHEET C9.00
- DECOMPOSED GRANITE PER LANDSCAPE PLANS, DETAIL I / SHEET L1.51
- ELECTRICAL PAD PER ELECTRICAL PLANS, SHEET E1.21
- PROJECT LIMIT
- DAYLIGHT LINE
- GB — GB — GB — GRADE BREAK
- FLOW LINE
- TOP/TOE OF SLOPE
- SAWCUT AND JOIN
- 735 — NEW CONTOUR LINE
- 280 — EXISTING CONTOUR LINE
- EXISTING BUILDING FOOTPRINT
- EXISTING STORM DRAIN LINE (≥18")
- SD — EXISTING STORM DRAIN LINE (<18")
- SS — EXISTING SANITARY SEWER LINE
- W — EXISTING WATER LINE
- FW — EXISTING FIRE WATER LINE
- E — EXISTING ELECTRICAL LINE
- G — EXISTING GAS LINE
- FO — EXISTING NETWORK INFRASTRUCTURE
- T — EXISTING TELEPHONE/DATA/COMM LINE
- CHW — EXISTING CHILLED WATER LINE
- IRR — EXISTING IRRIGATION SUPPLY
- RW — EXISTING RECLAIMED WATER
- IWL — EXISTING INDUSTRIAL WAITE
- NEW STORM DRAIN LINE (≥18")
- SD — NEW STORM DRAIN LINE (<18")
- W — NEW WATER LINE
- SS — NEW SANITARY SEWER LINE
- FLOW DIRECTION
- EXISTING CHAIN LINK FENCE
- SURVEY CONTROL POINT
- FD SURVEY MONUMENT AS NOTED
- WM — EXISTING WATER METER
- GV — EXISTING GAS VALVE
- 1370.27 B/F — EXISTING ELEVATION
- FH — EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- FDC — EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING CLEAN OUT
- EXISTING LIGHT POLE AND FIXTURE
- EXISTING SIGN
- EXISTING CATCH BASIN
- D — EXISTING STORM DRAIN MANHOLE
- E — EXISTING ELECTRICAL PULLBOX
- TS — EXISTING TRAFFIC SIGNAL PULLBOX
- EXISTING TRAFFIC SIGNAL
- NEW CATCH BASIN
- D — NEW STORM DRAIN MANHOLE
- S — NEW SANITARY SEWER MANHOLE
- NEW FIRE HYDRANT

OWNER:

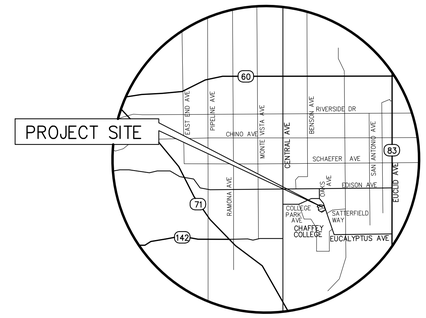
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

CIVIL ENGINEER:

PSOMAS
555 SOUTH FLOWER STREET, SUITE 4300
LOS ANGELES, CA 90071
TEL. (213) 223-1400
ATTN.: Alysen J. Weiland

SHEET INDEX

SHEET NO.	TITLE
C0.00	TITLE SHEET AND GENERAL NOTES
C0.01	EXISTING CONDITIONS PLAN
C1.00	DEMOLITION PLAN
C2.00	HORIZONTAL CONTROL PLAN
C3.00	GRADING PLAN
C4.00	UTILITY PLAN
C5.00	EROSION CONTROL PLAN
C9.00	CIVIL DETAILS
C9.01	CIVIL DETAILS



VICINITY MAP

NOT TO SCALE

Know what's below. Call before you dig.

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

NOTES

PSOMAS
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Los Angeles, CA 90071
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Consultant's Project No. 1HMC019600

REGISTERED PROFESSIONAL ENGINEER ALYSEN J. WEILAND No. C71441 CIVIL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

TITLE SHEET AND GENERAL NOTES

DSA APPROVAL

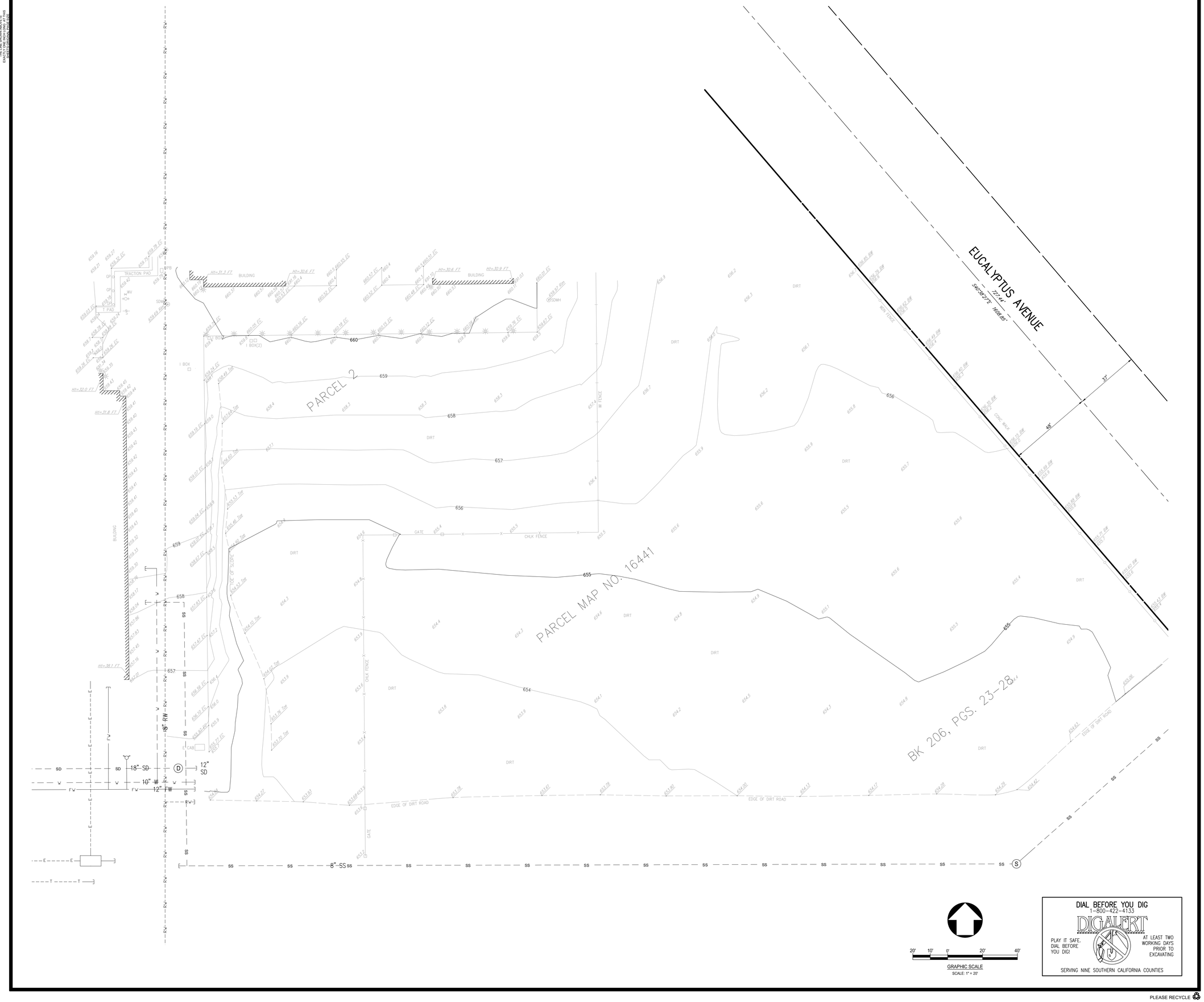
FILE NO.: 36-C1 A# : 04-119722

DATE: 08.05.2021 CLIENT PROJ NO:

SHEET:

C0.00

THE LINE SHOWN ABOVE IS EXACTLY 3 INCHES LONG WHEN PLOTTED AT 100% SCALE ON 24X36 SHEETS



GRAPHIC SCALE
SCALE: 1" = 20'

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KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER
KAREN M. SMITH
No. C71441
CIVIL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXISTING CONDITIONS PLAN

DSA APPROVAL

FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

C0.01

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH WHEN PLOTTED AT FULL SCALE

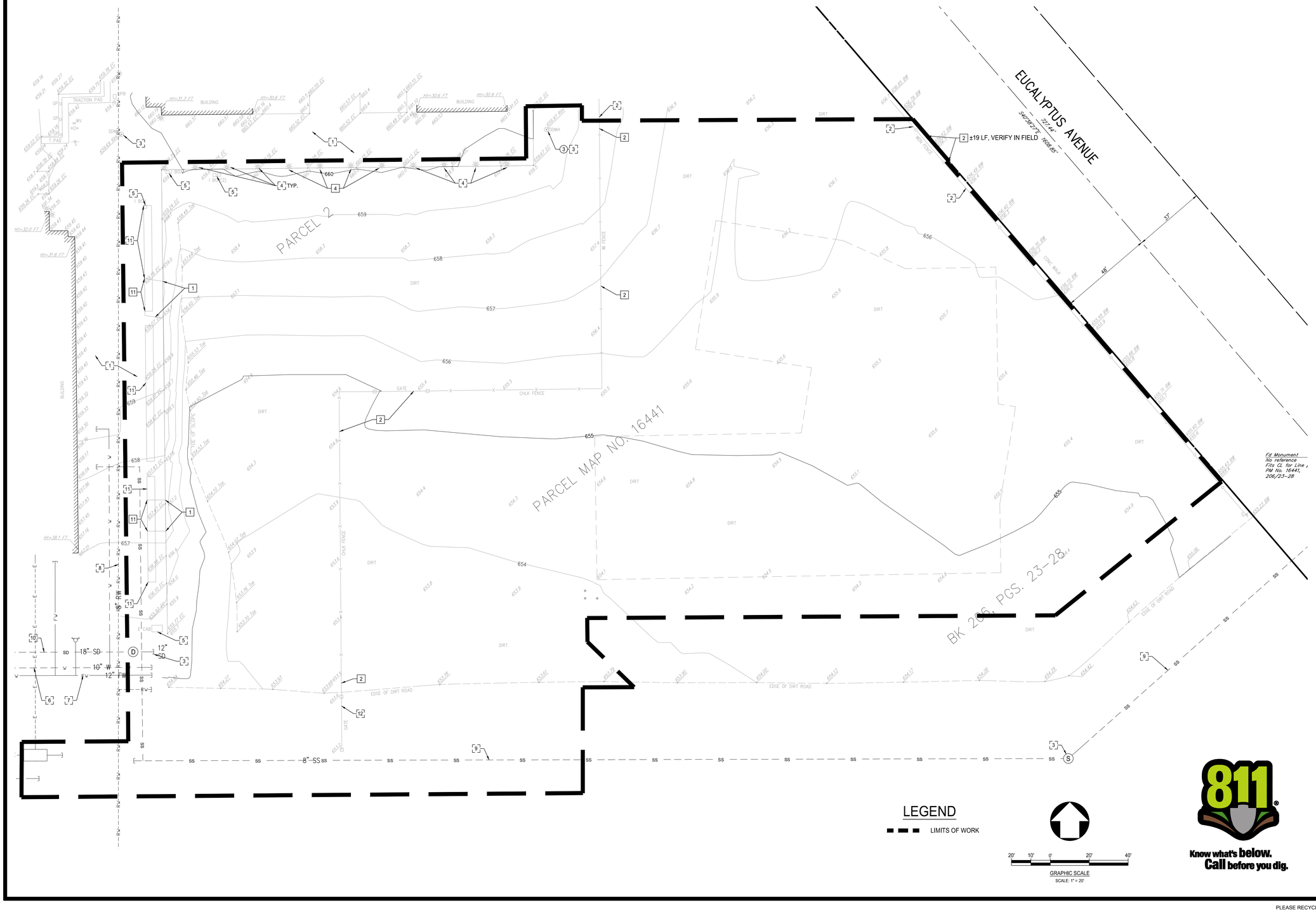
GENERAL NOTES:

1. NO DEMOLITION SHALL BEGIN UNTIL PLANS, INCLUDING THE DEMOLITION WORK, HAVE BEEN APPROVED BY DSA.
2. WITHIN DEMOLITION AREA, REMOVE ALL STRUCTURES, RETAINING WALLS, BASEMENT WALLS, WALL FOOTINGS, FENCING, LIGHTING SYSTEM, STRUCTURAL FOUNDATIONS, PAVED PATHS AND STAIRS, CONCRETE, PAVEMENT, ASPHALT PAVEMENT, CURBS, GUTTERS, GROUND COVER, AND ANY EXISTING IMPROVEMENTS NOT SPECIFICALLY NOTED TO REMAIN. REMOVE ALL MISCELLANEOUS TRASH FROM SITE.
3. UNLESS OTHERWISE NOTED, ALL EXISTING UNDERGROUND CIVIL UTILITIES AND ASSOCIATED STRUCTURES SHALL BE PROTECTED IN PLACE. UTILITY SURFACE FEATURES SHALL BE ADJUSTED TO FINAL GRADE.
4. SHOULD ANY EXISTING UTILITIES NOT SHOWN HEREON BE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO DEMOLITION OR CONSTRUCTION.
5. REFER TO LANDSCAPE PLANS FOR ALL TREE PROTECTION AND REMOVALS.
6. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND TELECOMMUNICATION PLANS FOR DEMOLITION AND PROTECTION OF MECHANICAL, ELECTRICAL, AND TELECOMMUNICATION UTILITIES AND STRUCTURES.
7. ALL EXISTING UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO MATCH NEW GRADE. PROVIDE PEDESTRIAN AND TRAFFIC RATED RIMS,COVERS AND GRATES FOR RELOCATED OR ADJUSTED UTILITY STRUCTURES.
8. FOR UTILITY REMOVAL NEAR PROTECTED TREES COORDINATE WITH CAMPUS ARBORIST.
9. ALL SAW CUTS SHALL MATCH EXISTING SCORE LINE PATTERN

CONSTRUCTION NOTES:

- CONSTRUCT
- EXISTING TO REMAIN -PROTECT IN PLACE
- EXISTING TO REMOVE
- REMOVE & RELOCATE
- ADJUST TO GRADE
- PER SEPARATE CONTRACT

1. CONCRETE WALKWAY
2. FENCE
3. MANHOLE
4. LIGHT
5. UTILITY BOX
6. WATER LINE
7. FIRE WATER LINE
8. RECYCLED WATER LINE
9. SANITARY SEWER LINE
10. STORM DRAIN LINE
11. PLANTER AND IRRIGATION
12. GATE



LEGEND

- LIMITS OF WORK

GRAPHIC SCALE
20' 10' 0' 20' 40'
SCALE: 1" = 20'

Know what's below. Call before you dig.

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AGENCY APPROVAL:

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APP: 04-119722 INC:
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER K.A.W. SMITH No. C71441 CIVIL STATE OF CALIFORNIA

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
DEMOLITION PLAN

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

C1.00

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ANSI B(11"X17") ORIGINAL DRAWINGS. IF IT IS NOT, ADJUST SCALE ACCORDINGLY.

LINE TABLE		
LINE #	LENGTH	BEARING
L2	22.87'	N89°22'31"E
L3	28.15'	N00°40'32"W
L4	12.49'	N89°06'25"E
L5	23.58'	N00°37'29"W
L6	51.32'	N79°33'40"E
L7	51.32'	N79°33'40"E
L8	6.26'	N00°37'29"W
L9	56.90'	N00°37'29"W
L10	51.25'	S81°18'13"E
L11	51.25'	S81°17'46"E
L12	18.67'	N00°37'29"W
L13	64.02'	N00°37'29"W
L14	50.57'	N89°22'31"E
L15	50.57'	N89°22'31"E
L16	16.00'	N00°37'29"W

LINE TABLE		
LINE #	LENGTH	BEARING
L17	59.42'	N00°37'29"W
L18	29.70'	N45°40'28"E
L19	77.52'	N90°00'00"W
L20	29.25'	S45°40'28"E
L21	16.39'	S00°27'43"E
L22	224.12'	S89°22'31"W
L23	41.19'	S00°37'29"E
L24	17.00'	S89°22'31"W
L25	12.00'	S00°37'29"E
L26	3.00'	S89°22'31"W
L27	12.00'	N00°37'29"W
L28	17.00'	S89°22'31"W
L29	32.82'	S00°37'29"E
L30	11.75'	N80°37'29"W
L31	17.67'	S09°22'31"W

LINE TABLE		
LINE #	LENGTH	BEARING
L32	14.87'	S80°37'29"E
L33	31.55'	S00°37'29"E
L34	9.00'	N89°22'31"E
L35	5.00'	N00°37'29"W
L36	3.00'	N89°22'31"E
L37	5.00'	S00°37'29"E
L38	13.00'	N89°22'31"E
L39	5.00'	N00°37'29"W
L40	3.00'	N89°22'31"E
L41	5.00'	S00°37'29"E
L42	9.00'	N89°22'31"E
L43	25.03'	N00°37'29"W
L44	4.50'	S80°37'29"E
L45	7.51'	N80°37'29"W
L46	30.41'	N00°37'29"W

LINE TABLE		
LINE #	LENGTH	BEARING
L47	6.00'	N89°22'31"E
L48	44.13'	N00°37'30"W
L49	50.25'	N89°22'31"E
L50	23.82'	S00°37'29"E
L51	14.36'	N00°37'29"W
L52	132.74'	N89°22'31"E
L53	13.52'	S00°37'29"E
L54	22.31'	N00°37'29"W
L55	20.86'	N89°22'31"E
L56	81.63'	S00°37'29"E
L57	7.55'	S08°41'47"W
L58	11.20'	S80°59'01"E
L59	7.61'	N09°00'59"E
L60	72.91'	N81°18'13"W
L61	9.01'	N80°59'51"W

LINE TABLE		
LINE #	LENGTH	BEARING
L62	63.19'	N81°18'13"W
L63	11.00'	N81°18'13"W
L64	48.10'	N81°18'13"W
L65	80.64'	N00°37'29"W
L66	67.59'	S80°37'29"E
L67	8.02'	S09°22'31"W
L68	31.65'	N80°37'20"W
L69	6.37'	S09°22'23"W
L70	2.73'	S80°55'41"E
L71	5.99'	S80°58'21"E
L72	37.27'	S09°22'30"W
L74	5.39'	S80°37'29"E
L76	12.05'	S80°37'30"E
L77	33.86'	S09°22'30"W
L78	59.52'	N09°22'30"E

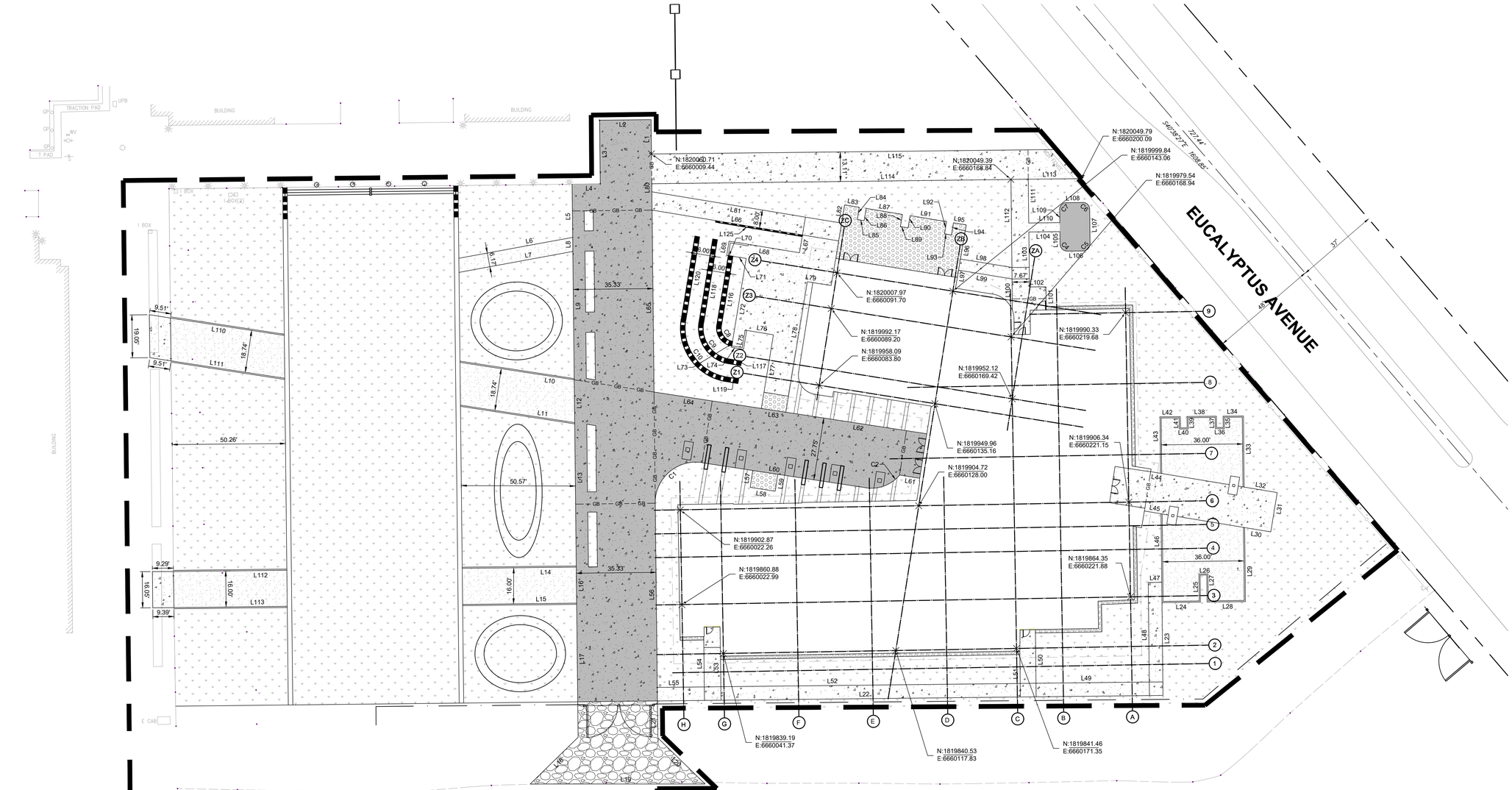
LINE TABLE		
LINE #	LENGTH	BEARING
L79	2.46'	S80°59'01"E
L80	3.57'	S00°37'29"E
L81	85.26'	S80°37'29"E
L82	8.20'	N09°20'17"E
L83	6.58'	S80°37'29"E
L84	5.50'	S09°21'28"W
L85	3.11'	S80°38'30"E
L86	5.50'	N09°21'45"E
L87	16.29'	S80°38'30"E
L88	5.50'	S09°22'05"W
L89	3.46'	S80°38'27"E
L90	5.50'	N09°22'05"E
L91	16.35'	S80°38'17"E
L92	5.51'	S09°22'05"W
L93	3.11'	S80°38'30"E

LINE TABLE		
LINE #	LENGTH	BEARING
L94	5.51'	N09°22'05"E
L95	5.75'	S80°38'23"E
L96	15.33'	S09°37'25"W
L97	3.32'	S09°22'31"W
L98	23.12'	S80°40'43"E
L99	24.04'	N80°40'43"W
L100	13.93'	N00°37'29"W
L101	10.25'	S00°37'29"E
L102	7.32'	N89°42'29"E
L103	24.35'	S00°37'29"E
L104	13.78'	S89°22'31"W
L105	5.55'	N00°37'29"W
L106	7.05'	S89°22'31"W
L107	15.35'	S00°37'29"E
L108	7.30'	N89°22'31"E

LINE TABLE		
LINE #	LENGTH	BEARING
L109	5.82'	N00°37'29"W
L110	51.05'	S81°18'13"E
L110	13.78'	N89°22'31"E
L111	51.01'	S81°18'13"E
L111	19.41'	S00°37'29"E
L112	50.34'	N89°22'31"E
L112	39.00'	N00°37'29"W
L113	50.24'	N89°22'31"E
L113	23.58'	S89°22'31"W
L114	159.27'	S89°19'32"W
L115	179.59'	N89°22'31"E
L116	31.23'	N09°23'21"E
L117	5.34'	S80°37'29"E
L118	37.32'	S09°22'40"W
L119	5.34'	S80°37'29"E

LINE TABLE		
LINE #	LENGTH	BEARING
L120	37.27'	S09°22'42"W
L125	38.92'	N80°37'29"W

CURVE TABLE				
CURVE#	LENGTH (FT.)	RADIUS (FT.)	DELTA	TANGENT (FT.)
C1	31.20	18.00	99°19'20"	21.20
C2	17.29	16.22	61°05'20"	9.57
C8	9.42	6.00	90°00'00"	6.00
C9	21.99	14.00	90°00'00"	14.00
C10	34.56	22.00	90°00'00"	22.00



LEGEND

- CONCRETE PAVING PER DETAIL 1 / SHEET C9.00
- UNIT PAVERS PER LANDSCAPE PLANS, DETAIL 6 / SHEET L1.51
- COMPACTED FIRE ACCESS ROAD PER DETAIL 2 / SHEET C9.00
- PLANTING AREA PER LANDSCAPE PLANS
- DECOMPOSED GRANITE PER LANDSCAPE PLANS, DETAIL I / SHEET L1.51
- LIMITS OF WORK

20' 10' 0' 20' 40'

GRAPHIC SCALE

SCALE: 1" = 20'

Know what's below. Call before you dig.

PLEASE RECYCLE

AGENCY APPROVAL:

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Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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Consultant's Project No. 1HMC019600

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

HORIZONTAL CONTROL PLAN

DSA APPROVAL

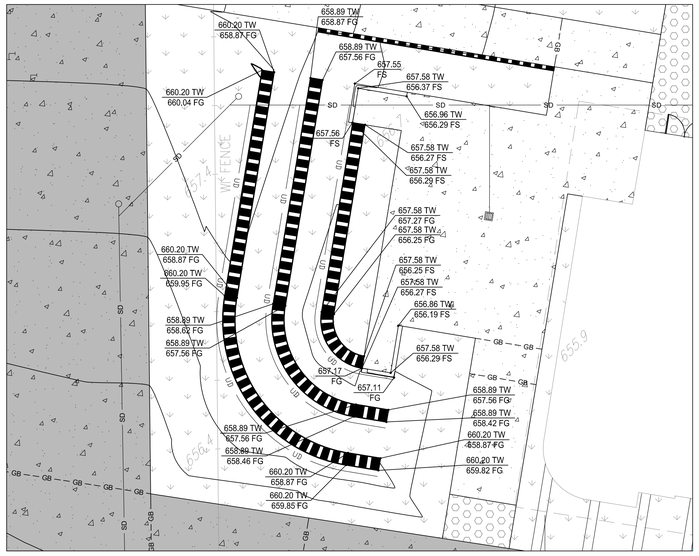
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

C2.00

THE LINE SHOWN ABOVE IS EXACTLY 1 INCH LONG WHEN PLOTTED ON 22"X34" ORIGINAL DRAWING



10' 5' 0' 10' 20'

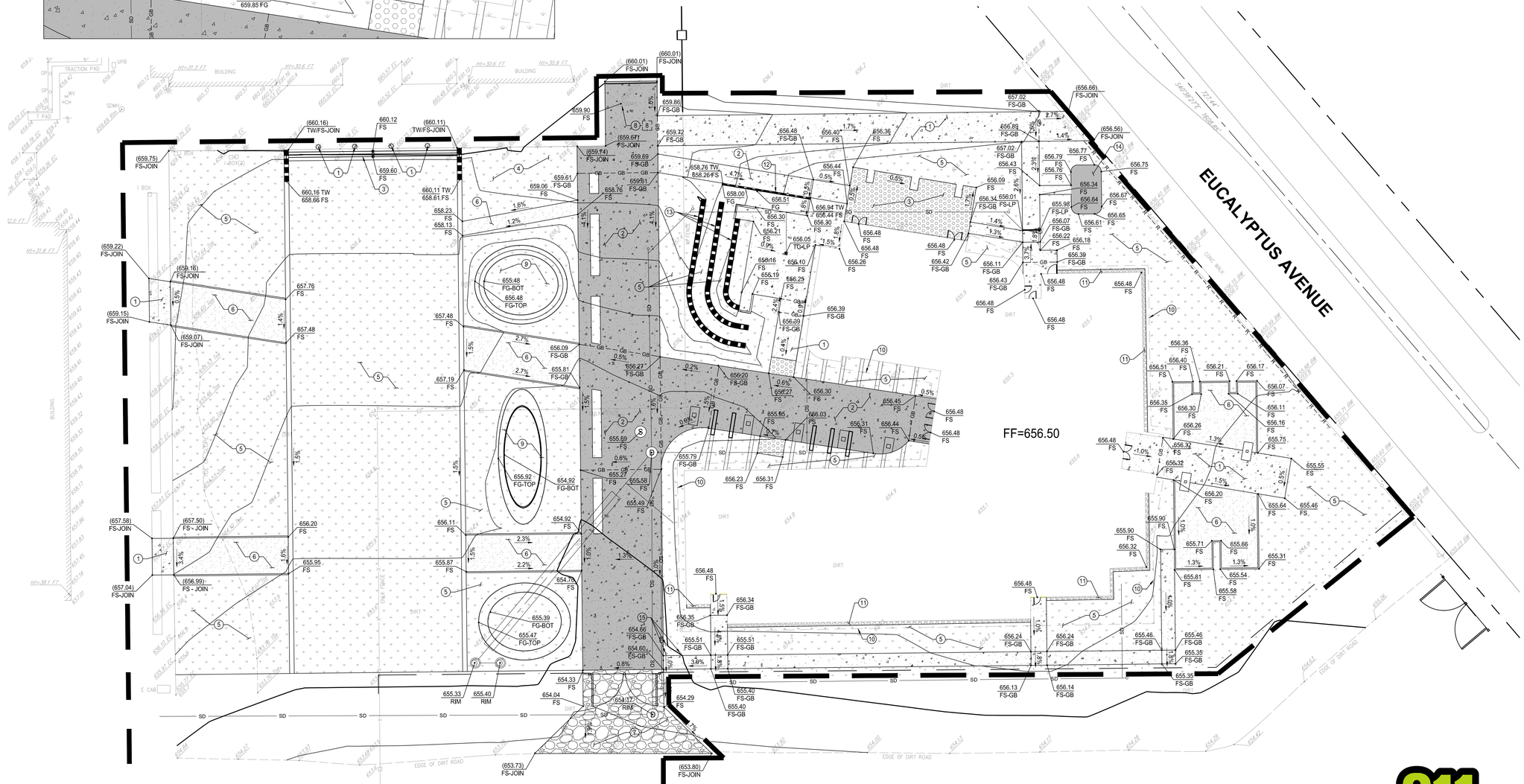
GRAPHIC SCALE

SCALE: 1" = 10'

CONSTRUCTION NOTES:

- CONSTRUCT
- EXISTING TO REMAIN -PROTECT IN PLACE
- EXISTING TO REMOVE
- REMOVE & RELOCATE
- ADJUST TO GRADE
- PER SEPARATE CONTRACT

1. CONCRETE WALKWAY PER DETAIL 1 / SHEET C9.00
2. CONCRETE PAVEMENT PER DETAIL
3. UNIT PAVERS PER LANDSCAPE PLANS, DETAIL G / SHEET L1.51
4. CONCRETE STAIR PER LANDSCAPE PLANS, DETAIL F / SHEET L.51
5. PLANTING AREA PER LANDSCAPE PLANS
6. DECOMPOSED GRANITE PER LANDSCAPE PLANS, DETAIL I / SHEET L1.51
7. FIRE ACCESS, STRUCTURAL SECTION PER DETAIL 2 / SHEET C9.00
8. MANHOLE
9. RAIN GARDEN PER LANDSCAPE PLANS
10. BUILDING OVEREXCAVATION PER GEOTECHNICAL REPORT
11. GRAVEL MAINTENANCE STRIP PER LANDSCAPE PLANS, DETAIL I / SHEET L3.51
12. CONCRETE RETAINING WALL PER LANDSCAPE PLANS, DETAIL P / SHEET L1.52
13. CONCRETE SEAT WALL PER LANDSCAPE PLANS, DETAIL E / SHEET L1.53
14. SUBSTATION CONCRETE PAD PER ELECTRICAL PLANS, DETAIL 4 / SHEET E5.12
15. BOLLARDS PER DETAIL 3 / SHEET C9.01



LEGEND

- CONCRETE PAVING PER DETAIL 1 / SHEET C9.00
- UNIT PAVERS PER LANDSCAPE PLANS, DETAIL 6 / SHEET L1.51
- COMPACTED FIRE ACCESS ROAD PER DETAIL 2 / SHEET C9.00
- PLANTING AREA PER LANDSCAPE PLANS
- HEAVY DUTY CONCRETE PAVING PER DETAIL 2 / SHEET C9.00
- DECOMPOSED GRANITE PER LANDSCAPE PLANS, DETAIL I / SHEET L1.51
- ELECTRICAL PAD PER ELECTRICAL PLANS, SHEET E1.21
- LIMITS OF WORK

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

GRADING PLAN

DSA APPROVAL

FILE NO.: 36-C1 | A#: 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

C3.00

THE LINE BROWN ABOVE IS EXACTLY 1" LONG ON ORIGINAL 30X42 SHEET

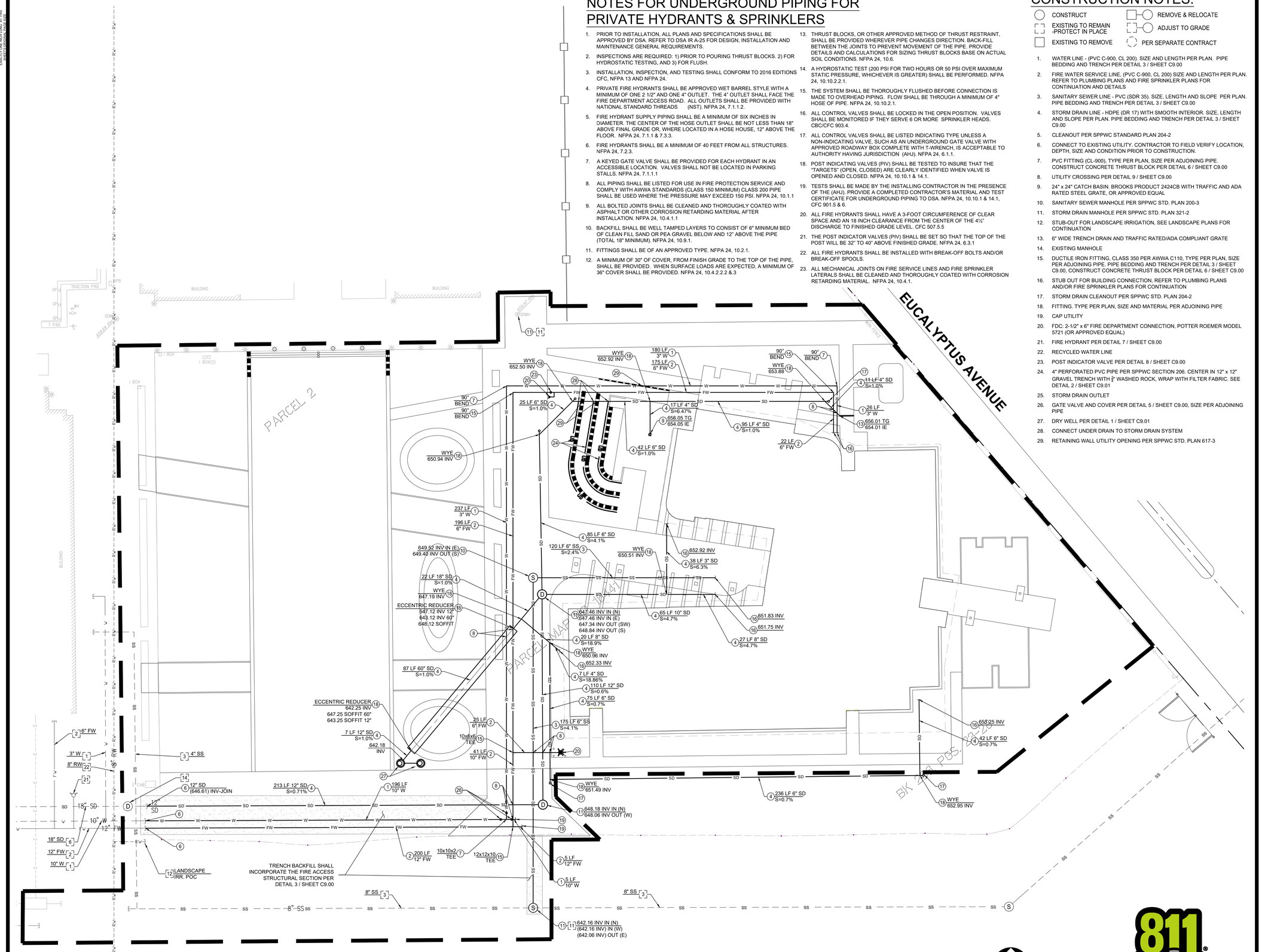
NOTES FOR UNDERGROUND PIPING FOR PRIVATE HYDRANTS & SPRINKLERS

1. PRIOR TO INSTALLATION, ALL PLANS AND SPECIFICATIONS SHALL BE APPROVED BY DSA. REFER TO DSA IR A-25 FOR DESIGN, INSTALLATION AND MAINTENANCE GENERAL REQUIREMENTS.
2. INSPECTIONS ARE REQUIRED: 1) PRIOR TO POURING THRUST BLOCKS. 2) FOR HYDROSTATIC TESTING, AND 3) FOR FLUSH.
3. INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2016 EDITIONS CFC, NFPA 13 AND NFPA 24.
4. PRIVATE FIRE HYDRANTS SHALL BE APPROVED WET BARREL STYLE WITH A MINIMUM OF ONE 2 1/2" AND ONE 4" OUTLET. THE 4" OUTLET SHALL FACE THE FIRE DEPARTMENT ACCESS ROAD. ALL OUTLETS SHALL BE PROVIDED WITH NATIONAL STANDARD THREADS (NST). NFPA 24, 7.1.1.2.
5. FIRE HYDRANT SUPPLY PIPING SHALL BE A MINIMUM OF SIX INCHES IN DIAMETER. THE CENTER OF THE HOSE OUTLET SHALL BE NOT LESS THAN 18" ABOVE FINAL GRADE OR, WHERE LOCATED IN A HOSE HOUSE, 12" ABOVE THE FLOOR. NFPA 24, 7.1.1 & 7.3.3.
6. FIRE HYDRANTS SHALL BE A MINIMUM OF 40 FEET FROM ALL STRUCTURES. NFPA 24, 7.2.3.
7. A KEYED GATE VALVE SHALL BE PROVIDED FOR EACH HYDRANT IN AN ACCESSIBLE LOCATION. VALVES SHALL NOT BE LOCATED IN PARKING STALLS. NFPA 24, 7.1.1.1
8. ALL PIPING SHALL BE LISTED FOR USE IN FIRE PROTECTION SERVICE AND COMPLY WITH AWWA STANDARDS (CLASS 150 MINIMUM) CLASS 200 PIPE SHALL BE USED WHERE THE PRESSURE MAY EXCEED 150 PSI. NFPA 24, 10.1.1
9. ALL BOLTED JOINTS SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION RETARDING MATERIAL AFTER INSTALLATION. NFPA 24, 10.4.1.1
10. BACKFILL SHALL BE WELL TAMPED LAYERS TO CONSIST OF 6" MINIMUM BED OF CLEAN FILL SAND OR PEA GRAVEL BELOW AND 12" ABOVE THE PIPE (TOTAL 18" MINIMUM). NFPA 24, 10.9.1.
11. FITTINGS SHALL BE OF AN APPROVED TYPE. NFPA 24, 10.2.1.
12. A MINIMUM OF 30" OF COVER, FROM FINISH GRADE TO THE TOP OF THE PIPE, SHALL BE PROVIDED. WHEN SURFACE LOADS ARE EXPECTED, A MINIMUM OF 36" COVER SHALL BE PROVIDED. NFPA 24, 10.4.2.2.2 & 3
13. THRUST BLOCKS, OR OTHER APPROVED METHOD OF THRUST RESTRAINT, SHALL BE PROVIDED WHEREVER PIPE CHANGES DIRECTION. BACK-FILL BETWEEN THE JOINTS TO PREVENT MOVEMENT OF THE PIPE. PROVIDE DETAILS AND CALCULATIONS FOR SIZING THRUST BLOCKS BASE ON ACTUAL SOIL CONDITIONS. NFPA 24, 10.6.
14. A HYDROSTATIC TEST (200 PSI FOR TWO HOURS OR 50 PSI OVER MAXIMUM STATIC PRESSURE, WHICHEVER IS GREATER) SHALL BE PERFORMED. NFPA 24, 10.10.2.2.1.
15. THE SYSTEM SHALL BE THOROUGHLY FLUSHED BEFORE CONNECTION IS MADE TO OVERHEAD PIPING. FLOW SHALL BE THROUGH A MINIMUM OF 4" HOSE OF PIPE. NFPA 24, 10.10.2.1.
16. ALL CONTROL VALVES SHALL BE LOCKED IN THE OPEN POSITION. VALVES SHALL BE MONITORED IF THEY SERVE 6 OR MORE SPRINKLER HEADS. CBC/CFC 903.4.
17. ALL CONTROL VALVES SHALL BE LISTED INDICATING TYPE UNLESS A NON-INDICATING VALVE, SUCH AS AN UNDERGROUND GATE VALVE WITH APPROVED ROADWAY BOX COMPLETE WITH T-WRENCH, IS ACCEPTABLE TO AUTHORITY HAVING JURISDICTION (AHJ). NFPA 24, 6.1.1.
18. POST INDICATING VALVES (PIV) SHALL BE TESTED TO INSURE THAT THE "TARGETS" (OPEN, CLOSED) ARE CLEARLY IDENTIFIED WHEN VALVE IS OPENED AND CLOSED. NFPA 24, 10.10.1 & 14.1.
19. TESTS SHALL BE MADE BY THE INSTALLING CONTRACTOR IN THE PRESENCE OF THE (AHJ). PROVIDE A COMPLETED CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING TO DSA. NFPA 24, 10.10.1 & 14.1, CFC 901.5 & 6.
20. ALL FIRE HYDRANTS SHALL HAVE A 3-FOOT CIRCUMFERENCE OF CLEAR SPACE AND AN 18 INCH CLEARANCE FROM THE CENTER OF THE 4½" DISCHARGE TO FINISHED GRADE LEVEL. CFC 507.5.5
21. THE POST INDICATOR VALVES (PIV) SHALL BE SET SO THAT THE TOP OF THE POST WILL BE 32" TO 40" ABOVE FINISHED GRADE. NFPA 24, 6.3.1
22. ALL FIRE HYDRANTS SHALL BE INSTALLED WITH BREAK-OFF BOLTS AND/OR BREAK-OFF SPOOLS.
23. ALL MECHANICAL JOINTS ON FIRE SERVICE LINES AND FIRE SPRINKLER LATERALS SHALL BE CLEANED AND THOROUGHLY COATED WITH CORROSION RETARDING MATERIAL. NFPA 24, 10.4.1.

CONSTRUCTION NOTES:

- CONSTRUCT
- EXISTING TO REMAIN -PROTECT IN PLACE
- EXISTING TO REMOVE
- REMOVE & RELOCATE
- ADJUST TO GRADE
- PER SEPARATE CONTRACT

1. WATER LINE - (PVC C-900, CL 200). SIZE AND LENGTH PER PLAN. PIPE BEDDING AND TRENCH PER DETAIL 3 / SHEET C9.00
2. FIRE WATER SERVICE LINE, (PVC C-900, CL 200) SIZE AND LENGTH PER PLAN. REFER TO PLUMBING PLANS AND FIRE SPRINKLER PLANS FOR CONTINUATION AND DETAILS
3. SANITARY SEWER LINE - PVC (SDR 35). SIZE, LENGTH AND SLOPE PER PLAN. PIPE BEDDING AND TRENCH PER DETAIL 3 / SHEET C9.00
4. STORM DRAIN LINE - HDPE (DR 17) WITH SMOOTH INTERIOR. SIZE, LENGTH AND SLOPE PER PLAN. PIPE BEDDING AND TRENCH PER DETAIL 3 / SHEET C9.00
5. CLEANOUT PER SPPWC STANDARD PLAN 204-2
6. CONNECT TO EXISTING UTILITY. CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH, SIZE AND CONDITION PRIOR TO CONSTRUCTION.
7. PVC FITTING (CL-900), TYPE PER PLAN, SIZE PER ADJOINING PIPE. CONSTRUCT CONCRETE THRUST BLOCK PER DETAIL 6 / SHEET C9.00
8. UTILITY CROSSING PER DETAIL 9 / SHEET C9.00
9. 24" x 24" CATCH BASIN. BROOKS PRODUCT 2424CB WITH TRAFFIC AND ADA RATED STEEL GRATE, OR APPROVED EQUAL
10. SANITARY SEWER MANHOLE PER SPPWC STD. PLAN 200-3
11. STORM DRAIN MANHOLE PER SPPWC STD. PLAN 321-2
12. STUB-OUT FOR LANDSCAPE IRRIGATION, SEE LANDSCAPE PLANS FOR CONTINUATION
13. 6" WIDE TRENCH DRAIN AND TRAFFIC RATED/ADA COMPLIANT GRATE
14. EXISTING MANHOLE
15. DUCTILE IRON FITTING, CLASS 350 PER AWWA C110, TYPE PER PLAN, SIZE PER ADJOINING PIPE. PIPE BEDDING AND TRENCH PER DETAIL 3 / SHEET C9.00, CONSTRUCT CONCRETE THRUST BLOCK PER DETAIL 6 / SHEET C9.00
16. STUB OUT FOR BUILDING CONNECTION, REFER TO PLUMBING PLANS AND/OR FIRE SPRINKLER PLANS FOR CONTINUATION
17. STORM DRAIN CLEANOUT PER SPPWC STD. PLAN 204-2
18. FITTING. TYPE PER PLAN, SIZE AND MATERIAL PER ADJOINING PIPE
19. CAP UTILITY
20. FDC: 2-1/2" x 6" FIRE DEPARTMENT CONNECTION, POTTER ROEMER MODEL 5721 (OR APPROVED EQUAL)
21. FIRE HYDRANT PER DETAIL 7 / SHEET C9.00
22. RECYCLED WATER LINE
23. POST INDICATOR VALVE PER DETAIL 8 / SHEET C9.00
24. 4" PERFORATED PVC PIPE PER SPPWC SECTION 206. CENTER IN 12" x 12" GRAVEL TRENCH WITH ¾" WASHED ROCK, WRAP WITH FILTER FABRIC. SEE DETAIL 2 / SHEET C9.01
25. STORM DRAIN OUTLET
26. GATE VALVE AND COVER PER DETAIL 5 / SHEET C9.00, SIZE PER ADJOINING PIPE
27. DRY WELL PER DETAIL 1 / SHEET C9.01
28. CONNECT UNDER DRAIN TO STORM DRAIN SYSTEM
29. RETAINING WALL UTILITY OPENING PER SPPWC STD. PLAN 617-3



20' 10' 0' 20' 40'

GRAPHIC SCALE

SCALE: 1" = 20'

Know what's below. Call before you dig.

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

NOTES

P S O M A S
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
Tel. (213) 223-1400 Fax (213) 223-1444
Consultant's Project No. 1HMC019600

REGISTERED PROFESSIONAL ENGINEER R. E. W. RAWLINGS No. C71441 CIVIL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

UTILITY PLAN

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

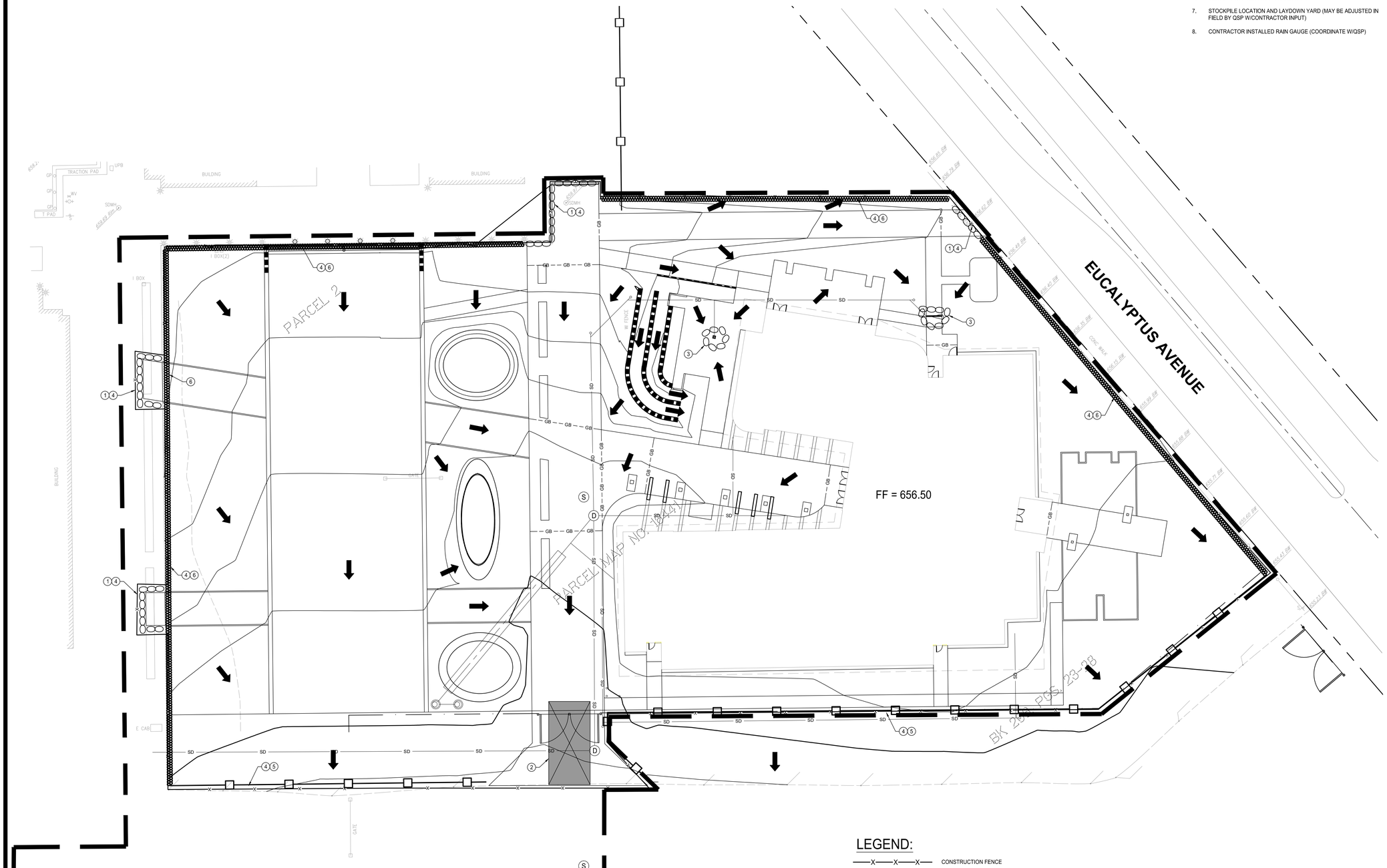
C4.00

THE LINE BROKEN ABOVE IS EXACTLY 1" LONG WHEN PLOTTED ON 22"X34" SHEET (ORIGINAL SIZE)

CONSTRUCTION NOTES:

- CONSTRUCT
- EXISTING TO REMAIN -PROTECT IN PLACE
- EXISTING TO REMOVE
- REMOVE & RELOCATE
- ADJUST TO GRADE
- BY OTHERS

1. INSTALL GRAVEL BAG BERM PER CASQA SE-6
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CASQA TC-1
3. INSTALL STORM DRAIN INLET PROTECTION PER CASQA SE-10
4. INSTALL CHAIN LINK CONSTRUCTION FENCE WITH SCRIM
5. INSTALL SILT FENCE PER CASQA SE-5
6. INSTALL FIBER ROLLS PER CASQA SE-6
7. STOCKPILE LOCATION AND LAYDOWN YARD (MAY BE ADJUSTED IN FIELD BY QSP W/CONTRACTOR INPUT)
8. CONTRACTOR INSTALLED RAIN GAUGE (COORDINATE W/QSP)



LEGEND:

- CONSTRUCTION FENCE
- SILT FENCE
- FIBER ROLLS
- GRAVEL BAG BERM
- INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- FLOW DIRECTION

GRAPHIC SCALE
20' 10' 0' 20' 40'
SCALE: 1" = 20'

Know what's below. Call before you dig.

PLEASE RECYCLE

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ISSUE

Δ	DESCRIPTION	DATE

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REGISTERED PROFESSIONAL ENGINEER No. C71441 CIVIL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

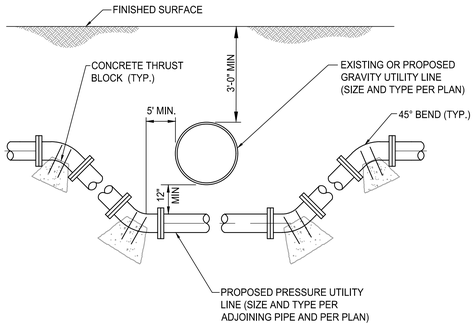
EROSION CONTROL PLAN

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

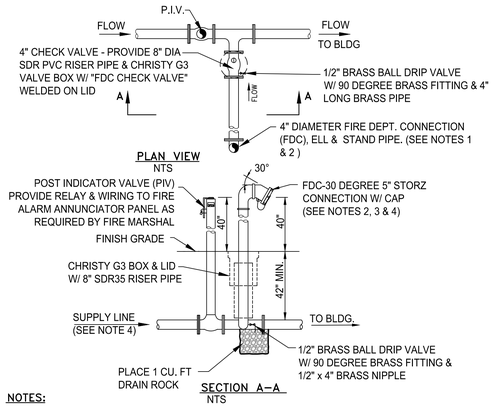
SHEET:

C5.00



9 UTILITY CROSSING DETAIL

C9.00 | REF. C4.00 SCALE: N.T.S.

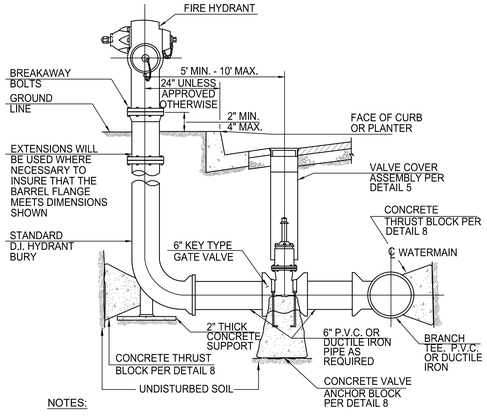


NOTES:

1. FIRE MARSHAL SHALL SPECIFY LOCATION OF FIRE DEPARTMENT CONNECTION (FDC). CLEARANCE AROUND FDC SHALL BE 3 FEET RIGHT, LEFT, REAR, AND 20 FEET IN FRONT.
2. A METAL SIGN WITH RAISED LETTERS AT LEAST 1 INCH IN SIZE SHALL BE MOUNTED ON ALL FIRE DEPARTMENT CONNECTIONS SERVICING AUTO SPRINKLERS, STANDPIPES OR FIRE PUMPS. SUCH SIGNS SHALL READ "AUTO SPRINKLER", "STANDPIPE", OR "TEST CONNECTION" AS APPLICABLE. WHERE THE FDC DOES NOT SERVE THE ENTIRE BUILDING A SIGN SHALL BE PROVIDED INDICATING THE PORTIONS OF THE BUILDING TO BE SERVED.
3. FIRE PROTECTION FACILITIES ARE OWNED AND MAINTAINED BY THE CUSTOMER.
4. ASSEMBLIES AND PIPING ON FIRE LINES SHALL BE FM/UL AND CONFORM TO THE APPLICABLE NFPA. THRUST BLOCKING AND/OR MECHANICAL RESTRAINTS SHALL BE PROVIDED AS NECESSARY.

8 FIRE DEPARTMENT DEPARTMENT PIV DETAIL

C9.00 | REF. C4.00 SCALE: N.T.S.

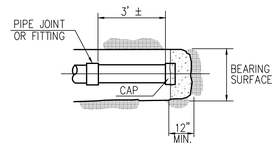


NOTES:

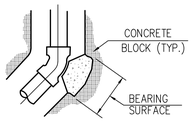
1. BARRICADES, FENCES, WALLS, LANDSCAPING, ETC. SHALL NOT BE INSTALLED OR PLANTED WITHIN 3 FEET OF A HYDRANT.
2. HYDRANT SHALL BE PAINTED WITH ONE COAT OF RED LEAD PAINT AND TWO FINISHING COATS OF PAINT OF THE COLOR AND TYPE SELECTED BY THE COLLEGE REPRESENTATIVE.
3. HYDRANT BURY, VALVE AND TEE SHALL HAVE EITHER RING-TITE JOINTS OR MECHANICAL JOINTS COMPATIBLE WITH PIPE MATERIAL USED.
4. HYDRANTS SHALL HAVE 6 HOLE FLANGE AND A 1-1/8" OPERATING NUT.
5. ALL PIPE AND FITTINGS FOR HYDRANT INSTALLATION SHALL CONFORM TO THE RATED WORKING PRESSURE OF SITE WATER PIPING.
6. HYDRANT SHALL MEET COUNTY OF LA FIRE DEPARTMENT REQUIREMENTS.
7. ALL DUCTILE IRON SHALL BE POLYETHYLENE ENCASED PER AWWA C105-10.

7 FIRE HYDRANT DETAIL

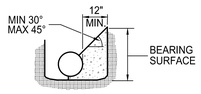
C9.00 | REF. C4.00 SCALE: N.T.S.



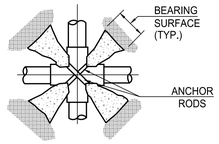
CAPPED END



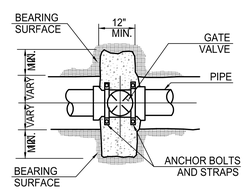
HORIZONTAL BEND



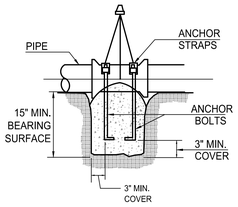
TYPICAL SECTION OF THRUST BLOCK



CROSS

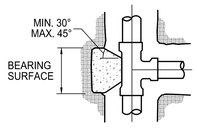


PLAN



ELEVATION

VALVE ANCHORS



TEE

THRUST BLOCK BEARING AREAS - S.F.

MAIN SIZE	TEE *	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	2	2	1	1	1
6"	1	2	3	4	3
8"	1	2	4	8	5
12"	3	5	9	16	12

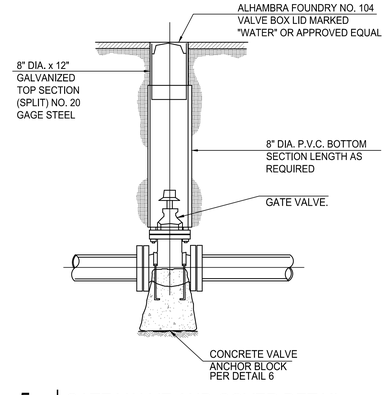
* INCLUDES TEES, PLUGS, CAPS, HYDRANTS & VALVES.

GENERAL NOTES:

1. ALL THRUST/ANCHOR BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.
2. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2000 P.S.I. AT 28 DAYS.
3. ALL ANCHOR RODS AND ANCHOR BOLTS SHALL BE MINIMUM 1/2" DIA. & ANCHOR STRAPS SHALL BE 1/2" X 2" BAR.
4. THRUST BLOCK DESIGN IS BASED ON A WATER PRESSURE OF 200 P.S.I., AND A MAXIMUM ALLOWABLE SOIL BEARING VALUE OF 1500 P.S.F.
5. THE RATIO OF WIDTH TO HEIGHT OF THRUST BLOCKS SHALL NOT EXCEED 1.5 TO 1.
6. ANCHOR BLOCKS FOR VERTICAL BENDS SHALL BE CONSTRUCTED PER SPECIAL DETAIL.

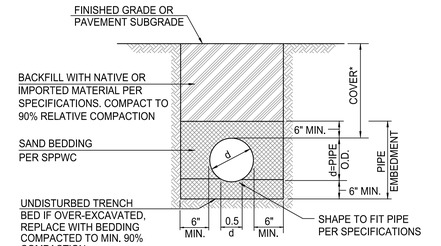
6 THRUST AND ANCHOR BLOCK DETAILS

C9.00 | REF. C4.00 SCALE: N.T.S.



5 GATE VALVE AND COVER DETAIL

C5.00 | REF. C4.00 SCALE: N.T.S.

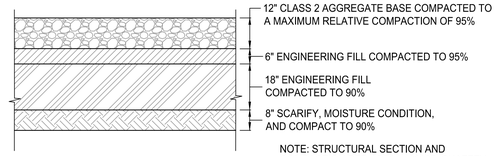


PIPE: SEE PLAN

* FOR WATER PIPES, COVER SHALL BE 36" MIN.
* FOR STORM DRAIN AND SANITARY SEWER PIPES, SEE PLAN.
* TRENCH DESIGN IS TO COMPLY WITH THE GEOTECHNICAL INVESTIGATION REPORT, PROJECT NO. T2746-99-11 BY GEOCON WEST INC. DATED 2/14/2020

4 PIPE BEDDING AND TRENCH DETAIL

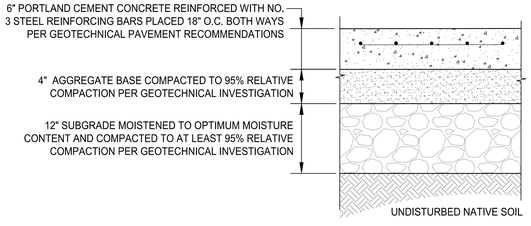
C9.00 | REF. C4.00 SCALE: N.T.S.



NOTE: STRUCTURAL SECTION AND COMPACTION PER APP04-108227, CHAFFEY COMMUNITY CENTER & HEALTH SCIENCES BUILDING CONSTRUCTION DOCUMENTS, DATED AUGUST 9, 2009.

3 FIRE ACCESS ROAD SECTION

C9.00 | REF. C2.00, C3.00 SCALE: N.T.S.

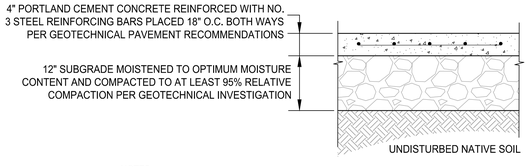


NOTES:

1. REFER TO GEOTECHNICAL INVESTIGATION REPORT, PROJECT NO. T2746-99-11 BY GEOCON WEST INC. DATED 2/14/2020 FOR DETAILED DESIGN RECOMMENDATIONS.
2. OVER-EXCAVATION PER GEOTECHNICAL INVESTIGATION REPORT.
3. SEE LANDSCAPE CONSTRUCTION PLANS FOR CONCRETE TYPES AND JOINT LOCATIONS.

2 HEAVY DUTY CONCRETE PAVEMENT

C9.00 | REF. C2.00, C3.00 SCALE: N.T.S.



NOTES:

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2. OVER-EXCAVATION PER GEOTECHNICAL INVESTIGATION REPORT.
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1 CONCRETE PAVEMENT

C9.00 | REF. C2.00, C3.00 SCALE: N.T.S.

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

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PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
Tel. (213) 223-1400 Fax (213) 223-1444
Consultant's Project No. 1HMC019600

REGISTERED PROFESSIONAL ENGINEER KEVIN H. No. C71441 CIVIL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CIVIL DETAILS

DSA APPROVAL

FILE NO.: 36-C1 A# : 04-119722

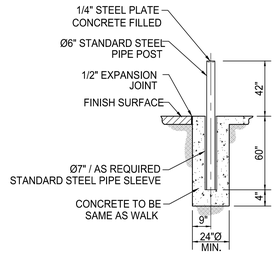
DATE: 08.05.2021 CLIENT PROJ NO:

SHEET:

C9.00

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG WHEN PRINTED ON ORIGINAL SHEET SIZE

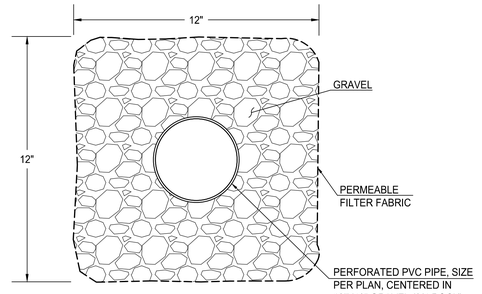


NOTES:

1. PIPE SHALL CONFORM TO ASTM A 53, TYPE E, GRADE B, BLACK, SCHEDULE 40, PLAIN END.
2. APPLY A MINIMUM OF TWO COATS EACH OF REX OXIDE PRIMER AND CHROME YELLOW ENAMEL PAINT (FEDERAL SPEC. TT-C595, COLOR NO. 13538).
3. ALL METAL TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
4. CONCRETE SHALL BE CLASS 500-C-3000 IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" LATEST EDITION, SUBSECTION 201-1.1.2.
5. 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 PSI MINIMUM.

3 FIXED STEEL BOLLARD

C9.01 | REF. C3.00 | SCALE: N.T.S.



2 UNDER DRAIN DETAIL

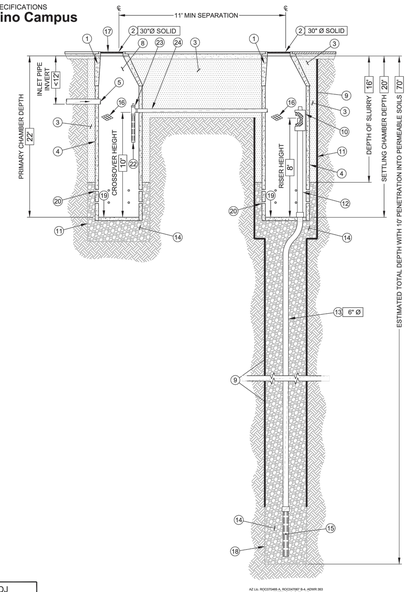
C9.01 | REF. C4.00 | SCALE: N.T.S.

The MaxWell® Plus

DRAINAGE SYSTEM DETAILS AND SPECIFICATIONS

Chaffey College Chino Campus

Chino, CA



ITEM NUMBERS

1. **MANHOLE CONE** - MODIFIED FLAT BOTTOM.
2. **BOLTED RING & GRATE/COVER** - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON WITH WORDING **"STORM WATER ONLY"** IN RAISED LETTERS. **BOLTED IN 2 LOCATIONS** AND SECURED TO CONE WITH MORTAR. RIM ELEVATION ±0.02' OF PLANS.
3. **STABILIZED BACKFILL** - TWO-SACK SLURRY MIX.
4. **PRE-CAST LINER** - 4000 PSI CONCRETE 48" ID. X 54" OD. **CENTER IN HOLE** AND ALIGN SECTIONS **TO MAXIMIZE BEARING SURFACE.**
5. **INLET PIPE** (NOT BY TORRENT). SEE CIVIL UTILITY PLAN.
6. NOT USED.
7. NOT USED.
8. **FREEBOARD DEPTH VARIES** WITH INLET PIPE ELEVATION. INCREASE PRIMARY AND SECONDARY CHAMBER DEPTHS AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE RISER PIPE.
9. **NON-WOVEN GEOTEXTILE SLEEVE** - MIRAFI 140 NL, MIN. 6 FT Ø. HELD APPROX. 10 FEET OFF THE BOTTOM OF EXCAVATION.
10. **PUREFLO® DEBRIS SHIELD** - ROLLED 18 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL 0.265" MAX. SWG FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. **FUSION BONDED EPOXY COATED.**
11. **MIN. 4' Ø DRILLED SHAFT.**
12. **RISER PIPE** - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
13. **DRAINAGE PIPE** - ADS HIGHWAY GRADE OR SCH. 40 PVC WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS. DIAMETER AS NOTED.
14. **ROCK** - WASHED, SIZED BETWEEN 3/8" AND 1-1/2".
15. **FLOFAST® DRAINAGE SCREEN** - SCH. 40 PVC Ø 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. OVERALL LENGTH VARIES, UP TO 720' WITH TRI-E COUPLER.
16. **ABSORBENT** - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY. TYPICAL, 2 PER CHAMBER.
17. **FABRIC SEAL** - U.V. RESISTANT GEOTEXTILE - **TO BE REMOVED BY CUSTOMER** AT PROJECT COMPLETION. GRATED ONLY.
18. **MIN. 4' Ø DRILLED SHAFT.**
19. **BASE SEAL** - CONCRETE SLURRY.
20. **6 PERFORATIONS MINIMUM PER FOOT, 2 ROWS MINIMUM.**
21. NOT USED.
22. **INTAKE SCREEN** - 4" Ø SCH. 40 PVC 0.120" MODIFIED SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/ FT. 48" OVERALL LENGTH WITH TRI-CENO CAP.
23. **VENTED ANTI-SIPHON INTAKE WITH FLOW REGULATOR.**
24. **CONNECTOR PIPE** - 4" Ø SCH. 40 PVC.

DETAIL: PL-4-SS-CA	REVISED BY: BDJ
DRAWN ON: 05-23-19	REVISED DATE: 06-09-21

SCALE: N.T.S

Manufactured and Installed by

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1 DRY WELL DETAIL

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AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

NOTES

P S O M A S

555 South Flower Street, Suite 4300
Los Angeles, CA 90071
Tel. (213) 223-1400 Fax (213) 223-1444

Consultant's Project No. 1HMC019600

REGISTERED PROFESSIONAL ENGINEER K.E.W. SMITH No. C71441 CIVIL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CIVIL DETAILS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

C9.01

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH (25.4 MM) WHEN PRINTED ON 24" X 36"

(E) 2 STORY MAIN INSTRUCTIONAL BUILDING

MATCH LINE

PROPERTY LINE

EUCALYPTUS AVE

LIMIT OF WORK

(E) 2 STORY MAIN HEALTH SCIENCE BUILDING

LIMIT OF WORK

L1.01
L2.01
L3.01

PA

L1.01
L2.01
L3.01

(N) 2 STORY INSTRUCTIONAL BUILDING

LIMIT OF WORK

0 5 10 20 40 Feet

Scale: 1" = 20'

Sheet Index

NO.	SHEET TITLE
L0.00	Overall Site Plan
L1.00	Master Construction Schedule and Notes
L1.01	Construction Plan Enlargement
L1.02	Construction Plan Enlargement
L1.51	Construction Details
L1.52	Construction Details
L1.53	Construction Details
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L3.00	Planting Schedule & Notes
L3.01	Planting Plan
L3.02	Planting Plan
L3.51	Planting Details

OVERALL SITE PLAN

PLEASE RECYCLE

2/13/2020 3:47:43 PM

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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

OVERALL SITE PLAN

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

L0.00

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH (25.4 MM) LONG AT FULL SCALE ON ORIGINAL SHEET

CONSTRUCTION NOTES

1. REFERENCES OF THE A.S.T.M.S. AND THE CALIFORNIA BUILDING CODE SHALL BE TO THE LATEST EDITIONS AS ADOPTED BY LOCAL JURISDICTION.
2. REFER TO CITY AND COUNTY STANDARDS FOR STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATION GRADES, EXISTING STRUCTURES, SPECIFICATIONS AND FIELD CONDITIONS AT THE SITE BEFORE COMMENCING WORK. WHERE CONFLICTS OCCUR, NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE FOR CLARIFICATION. FAILURE TO PROVIDE SUCH NOTIFICATION MAY MAKE CONTRACTOR LIABLE FOR COSTS INCURRED TO RECTIFY THE DISCREPANCY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH GENERAL CONTRACTOR AND DRAWINGS FOR VERIFYING LOCATIONS OF UNDERGROUND UTILITIES, PIPES, AND RELATED STRUCTURES. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COSTS INCURRED DUE TO DAMAGE OF SAID UTILITIES IF PROPER VERIFICATION WAS NOT PERFORMED.
5. AREAS WITHIN SCOPE OF WORK SHALL BE TREATED WITH CONTACT HERBICIDE TEN (10) DAYS PRIOR TO START OF WORK. VERIFY WITH LANDSCAPE ARCHITECT.
6. AREAS TO BE GRADED OR PAVED SHALL BE GRUBBED AND STRIPPED OF ALL VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIAL. ALL LOOSE SOIL DISTURBED BY REMOVAL OF TREES, EXISTING FILL AND LOOSE OR DISTURBED TOPSOIL SHALL BE REMOVED.
7. PLANS ARE FOR THE PURPOSE OF HORIZONTAL CONTROL (STAKING) OF CONSTRUCTION FEATURES NOT LOCATED BY THE PROJECT CIVIL ENGINEER OR ARCHITECTURAL DRAWINGS AND FOR CONSTRUCTION REFERENCE OF SITE CONSTRUCTION FEATURES DETAILED HEREIN.
8. ALL DIMENSIONS ARE STAKED PERPENDICULAR OR PARALLEL, UNLESS OTHERWISE INDICATED.
9. CONTRACTOR SHALL ENSURE THAT FINE GRADES HAVE BEEN SET CORRECTLY PRIOR TO INSTALLING WALKS, FOOTINGS, WALLS, AND OTHER STRUCTURES.
10. CONTRACTOR SHALL ENSURE THAT DRAINLINES, ELECTRICAL CONDUITS, SLEEVES, ETC., ARE IN PLACE PRIOR TO INSTALLATION OF PAVING AND WALLS
11. ENSURE THAT CURVED EDGES HAVE SMOOTH AND CONTINUOUS CURVES.
12. CONTRACTOR SHALL SUBMIT A CONCRETE FLATWORK JOINTING PLAN SHOWING ISOLATION AND CONTRACTION JOINTS BASED ON DESIGN PER PLAN - FOR LANDSCAPE ARCHITECT APPROVAL.
13. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT FOR HARDSCAPE FORM REVIEW, APPROVAL BEFORE POURING CONCRETE.
14. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALING OF DRAWINGS.
15. TYPICAL DETAILS SHALL APPLY IN GENERAL CONSTRUCTION WHERE NO DETAILS ARE GIVEN. THE CONSTRUCTION SHALL BE AS FOR SIMILAR WORK. OMISSIONS, AND/OR FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK SO INVOLVED.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REFER TO PLANTING PLANS TO DETERMINE LOCATION OF SPECIMEN TREES AND TO ROUTE UNDERGROUND STRUCTURES AROUND THESE LOCATIONS
17. IMPORT SOIL SHALL BE APPROVED ON SITE BY OWNER'S REPRESENTATIVE. REFER TO SPECIFICATIONS FOR SOIL REQUIREMENTS. SOIL SHALL BE FREE FROM ROCK, DEBRIS, NUT GRASS, BERMUDA GRASS OR OTHER DELETERIOUS MATERIAL.
18. CONCRETE SHALL BE TRANSIT MIXED FROM A LICENSED BATCHING PLANT, WHICH SHALL BE 2500 P.S.I. AT 28 DAYS. ALL EXPOSED FINISHED CONCRETE SHALL HAVE A COLOR ADDITIVE. COLOR AND STRENGTH TO BE SELECTED BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL SUBMIT A 5'X5' SAMPLE OF FINISHED CONCRETE TO LANDSCAPE ARCHITECT FOR APPROVAL.
19. REINFORCING STEEL: A.S.T.M. A-615, GRADE 40 FOR ALL REINFORCING. MINIMUM CLEARANCE FOR BARS SHALL BE 3" AT BOTTOM OF FOOTING AND 1 1/2" AT BOTTOM OF SLABS ON GRADE.
20. SLEEVES: CONCRETE CONTRACTOR SHALL PROVIDE PVC UNDER PAVING. THE LOCATIONS SHALL BE COORDINATED WITH THE ELECTRIC CONTRACTOR AND IRRIGATION CONTRACTOR.
21. MORTAR SHALL BE 1: 3 1/2 : 1/4 TO 1/2 PARTS BY VOLUME OF PORTLAND CEMENT, TO MORTAR SAND, TO LIME PUTTY. USE NO FIRE CLAY, ADD 1 PINT ADMIXTURE PER SACK OF CEMENT TO INHIBIT EFFLORESCENCE.
22. USE AT LEAST A 1-SACK MIXER. MEASURE PARTS BY VOLUME FOR UNIFORMITY.
    A. FOR MORTAR, LOAD MORTAR SAND, PORTLAND CEMENT, ADMIXTURE, AND WATER INTO MIXER IN THAT ORDER, AND MIX FOR 3 MINUTES THEN ADD LIME PUTTY AND MIX ADDITIONAL 10 MINUTES.
    B. FOR GROUT, LOAD PEA GRAVEL, IF USED, SAND, PORTLAND CEMENT, ADMIXTURE, AND WATER INTO THE MIXER FOR 3 MINUTES. USE ENOUGH WATER TO FORM A POURING CONSISTENCY AND COLOR PER PLANS.
    C. DO NOT USE ANY MORTAR OR GROUT AFTER MORE THAN 1 1/2 HOURS OF ITS INITIAL MIXING, EXCEPT MORTAR MAY BE RE-TEMPERED.
23. EXCESS SOIL SHALL BE REMOVED FROM SITE.
24. REPLACE OR REPAIR EXISTING MATERIAL THAT ARE DAMAGED BY CONTRACTOR DURING CONSTRUCTION OPERATIONS.
25. REFER TO MASTER CONSTRUCTION LEGEND FOR ADDITIONAL INFORMATION.

DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR COMPLETE REMOVAL FROM SITE ALL MATERIAL UNLESS SPECIFIED ON THE CONSTRUCTION DOCUMENTS TO REMAIN, TO BE STORED ON SITE OR TURNED OVER TO CAMPUS. SUCH MATERIALS INCLUDE BUT ARE NOT LIMITED TO; CONCRETE CURBS, ASPHALT CONCRETE, CONCRETE PAVING, CATCH BASINS, TREES AND SHRUBS, IRRIGATION VALVES, PIPING AND WIRING, CLEARING AND GRUBBING OF PLANT MATERIAL, POSTS, FIXTURES, FURNISHINGS, ANY FOUNDATIONS, AND OTHER MISCELLANEOUS OBJECTS NOT PERTINENT TO THE FINAL DESIGN. CONTRACTOR SHALL CLEAR SITE OF ANY REMAINING DEBRIS NOT IN STORAGE PRIOR TO BEGINNING NEW CONSTRUCTION. ALL DEBRIS SHALL BE LEGALLY DISPOSED IN ACCORDANCE WITH THE SPECIFICATIONS AND ACCEPTED STANDARD PRACTICES.
2. CONTRACTOR TO PROCURE CITY, COUNTY, AND STATE PERMITS AND LICENSES, INCLUDING MUNICIPAL BUSINESS LICENSE, AND PAY ALL CHARGES AND FEES FOR THE SAME WITHOUT COST TO THE CAMPUS IF REQUIRED.
3. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING AND LOCATING EXISTING UTILITIES PRIOR TO ANY DEMOLITION AND IS RESPONSIBLE FOR DAMAGE TO UTILITIES. NOTIFY USA ALERT @ 800-422-4133 (72) HOURS PRIOR TO START OF WORK.
4. CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION, MATERIALS AND PLANT MATERIAL TO REMAIN DURING DEMOLITION AND IS RESPONSIBLE FOR REPLACEMENT OR REPAIR OF ANY DAMAGED MATERIAL NOT SPECIFIED FOR REMOVAL.
5. CONTRACTOR SHALL REPORT ANY POTENTIAL PROBLEMS OR DISCREPANCIES TO THE CAMPUS AND LANDSCAPE ARCHITECT PRIOR TO COMMENCING ANY DEMOLITION WORK. DO NOT WILLFULLY PROCEED WITH WORK AS SHOWN WHEN IT IS OBVIOUS THAT CONDITIONS AND/OR OBJECTS EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
6. CONTRACTOR SHALL SECURE THE CONSTRUCTION SITE FOR THE ENTIRE LENGTH OF THE CONSTRUCTION PERIOD, INCLUDING THE MAINTENANCE PERIOD, WITH A 6' HIGH TEMPORARY CHAIN LINK FENCE. LOCATION OF FENCE AND GATES SHALL BE AS SHOWN BY THE LIMIT-OF-WORK LINE ON PLAN.
7. CONTRACTOR IS RESPONSIBLE FOR ALL EROSION CONTROL ON THE CONSTRUCTION SITE, DURING CONSTRUCTION AND THROUGH THE MAINTENANCE PERIODS.
8. REMOVE OR DISPOSE OF CRUSHED ROCK, ASPHALT, CONCRETE, CURBS, GUTTER, AND DEBRIS ON GROUND SURFACE PER PLAN.
9. BREAK UP AND REMOVE EXISTING CONCRETE TO INDICATED LIMITS. CUT NEAT AND EVEN LINES WITH A CONCRETE CUTTING SAW. MINIMUM DEPTH OF CUT SHALL BE 1-1/2 INCHES, UNLESS OTHERWISE REQUIRED. REMOVE CONCRETE BROKEN BEYOND THE INDICATED LIMITS TO THE NEAREST JOINT OR SCORE LINE AND REPLACE WITH NEW CONCRETE TO MATCH EXISTING. REMOVED CONCRETE SHALL BE STOCKPILED IN SPECIFIED LOCATION SPECIFIED BY THE DRAWINGS FOR LATER USE AS BROKEN CONCRETE PAVING.
10. ALL MATERIALS SPECIFIED TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF-SITE PER LOCAL CODES AND REGULATIONS.
11. CONTROL DUST AND NOISE DURING DEMOLITION OPERATIONS, PER LOCAL CODES. EXCESSIVE BLOWING DUST AND DEBRIS WILL NOT BE PERMITTED AT ANY TIME.
12. CONDUCT DEMOLITION WORK IN ACCORDANCE WITH APPLICABLE SAFETY REQUIREMENTS OF THE CALIFORNIA ADMINISTRATIVE CODE, TITLE 19, THE LATEST CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY, STATE OF CALIFORNIA, THE ASSOCIATED GENERAL CONTRACTORS' MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION, LATEST EDITION, AND THE APPLICABLE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION.

TREE PROTECTION NOTES

1. TRIMMING AND PRUNING SHALL BE PERFORMED ONLY UNDER THE SUPERVISION OF THE OWNER OR ARBORIST OF RECORD.
2. CHAIN LINK FENCING, FIVE (5) FEET IN HEIGHT, WILL BE SECURED TO TWO-INCH DIAMETER GALVANIZED IRON POSTS SPACED NO MORE THAN TEN FEET APART AS DELINEATED ON THE TREE PROTECTION PLAN. A TWO (2) FOOT WIDE ACCESS GATE IS PERMITTED. INSTALLATION OF PROTECTION FENCING IS THE RESPONSIBILITY OF THE CONTRACTOR. PARKING OR STORING OF VEHICLES, TRAILERS, EQUIPMENT, MACHINERY OR CONSTRUCTION MATERIALS WILL NOT BE PERMITTED WITHIN AREAS DELINEATED BY PROTECTIVE FENCES, NOR WILL DUMPING OF OILS OR CHEMICALS.
3. FENCES ARE CRITICAL TO (1) PREVENT DIRECT CONTACT AND DAMAGE TO THE CANOPY, BRANCHES, AND TRUNK, (2) PRESERVE ROOTS AND SOIL IN AN INTACT AND NON-COMPACTED STATE, AND (3) IDENTIFY THE TREE PROTECTION ZONE. THE TREE PROTECTION FENCE SHALL BE CONTINUOUSLY MAINTAINED AND REPAIRED AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD AND REMAIN IN PLACE UNTIL FINAL LANDSCAPE WORK COMMENCES.
4. DURING THE COURSE OF CONSTRUCTION, RELOCATION OF THE FENCE MAY BE REQUIRED TO ACCOMMODATE CONSTRUCTION. THE CONTRACTOR MAY DO SO WITH THE APPROVAL OF THE OWNER OR ARBORIST OF RECORD AT NO ADDITIONAL EXPENSE.
5. DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING TREES FROM INJURY. THE ROOTS, TRUNKS, AND FOLIAGE OF ALL EXISTING TREES SHALL BE PROTECTED. THE CONTRACTOR SHALL KEEP THE SITE AREA AROUND ALL EXISTING TREES FREE FROM DEBRIS AT ALL TIMES.
6. TREES SUBJECT TO THE PROVISIONS OF THESE REQUIREMENTS THAT HAVE BEEN INJURED FOR ANY REASON SHALL BE REPAIRED IMMEDIATELY BY THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE. REPAIR SHALL INCLUDE REMOVAL OF ROUGH BARK EDGES AND SEVERELY INJURED BRANCHES AS DIRECTED BY THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE.
    A. APPROVAL BY THE OWNER FOR WORK WITHIN THE FENCED AREA SHALL NOT RELEASE THE CONTRACTOR FROM ANY REQUIREMENT TO PROTECT EXISTING TREES TO BE PRESERVED.
    B. DURING THE COURSE OF CONSTRUCTION WITHIN THE FENCED AREA, NO ROOTS LARGER THAN TWO (2) INCHES IN DIAMETER SHALL BE CUT WITHOUT PRIOR APPROVAL FROM THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE.
7. DURING CONSTRUCTION, THE EXISTING DRAINAGE PATTERNS SHALL NOT BE ALTERED WITHIN THE AREA OF THE DRIPLINE
8. THE FOLLOWING IS NOT PERMITTED WITHIN THE DRIPLINE OF ANY EXISTING TREE TO BE PRESERVED:
    A. STORAGE OR PARKING OF AUTOMOBILES OR OTHER VEHICLES.
    B. STOCKPILING OF BUILDING MATERIALS OR REFUSE OF EXCAVATED MATERIALS.
    C. SKINNING OR BRUISING OF BARK.
    D. USE OF TREES AS SUPPORT POSTS, POWER POLES, OR SIGNPOSTS; ANCHORAGE FOR ROPES, GUY WIRES, POWER LINES, OR OTHER SIMILAR FUNCTIONS.
    E. DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS. SUCH MATERIAL INCLUDES BUT IS NOT LIMITED TO PAINT, PETROLEUM PRODUCTS, CONTAMINATED WATER, OR OTHER DELETERIOUS MATERIALS.
    F. CUTTING OF TREE ROOTS BY UTILITY TRENCHING, FOUNDATION DIGGING, PLACEMENT OF CURBS AND TRENCHES, AND OTHER MISCELLANEOUS EXCAVATION WITHOUT PRIOR APPROVAL OF THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE.
    G. DAMAGE TO TRUNK, LIMBS, OR FOLIAGE CAUSED BY MANEUVERING VEHICLES.
    H. COMPACTION OF THE ROOT ZONE UNDER THE DRIPLINE BY THE MOVEMENT OF TRUCKS OR GRADING MACHINES; STORAGE OF EQUIPMENT, GRAVEL, EARTH FILL, OR CONSTRUCTION SUPPLIES, ETC.
    I. EXCESSIVE WATER OR HEAT FROM EQUIPMENT, UTILITY LINE CONSTRUCTION, OR BURNING OF TRASH UNDER OR NEAR SHRUBS OR TREES.
    J. DAMAGE TO ROOT SYSTEM FROM FLOODING, EROSION, AND EXCESSIVE WETTING AND DRYING RESULTING FROM DEWATERING AND OTHER OPERATIONS.
9. EXCAVATION AROUND TREES:
    A. EXCAVATION WITHIN DRIPLINES SHALL BE DONE ONLY WHERE ABSOLUTELY NECESSARY.
    B. WHEN TRENCHING FOR UTILITIES IS REQUIRED WITHIN DRIPLINES, TUNNELING UNDER AND AROUND ROOTS OR BRIDGING OVER THEM IS PREFERRED OVER ROOT SEVERANCE. MAIN BUTTRESS, OR SUPPORTIVE ROOTS, SHALL NOT BE CUT. SMALLER ROOTS THAT INTERFERE WITH INSTALLATION OF NEW WORK MAY BE CUT WITH PRIOR APPROVAL OF THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE.
    C. WHERE EXCAVATION FOR NEW CONSTRUCTION IS REQUIRED WITHIN DRIPLINES OF TREES, HAND EXCAVATION SHALL BE EMPLOYED TO MINIMIZE DAMAGE TO ROOT SYSTEMS. IF LARGE, MAIN LATERAL ROOTS ARE ENCOUNTERED, THEY SHALL BE EXPOSED BEYOND THE EXCAVATION LIMITS AS REQUIRED TO BEND AND RELOCATE THEM WITHOUT BREAKING. ANY ROOTS 2-INCHES OR LARGER WHICH MIGHT BE SEVERED WILL BE CLEANLY CUT BEHIND TORN ENDS TO ENHANCE THE EFFICIENT NATURAL "COMPARTMENTALIZATION" OF THE DAMAGE BY THE ROOTS. THERE IS NO NEED TO APPLY ANY TYPE OF "PRUNING SEAL" COMPOUND WHEN ROOTS ARE CLEANLY CUT, SINCE THE ROOT WILL FORM ITS OWN INTERNAL BARRIERS TO DECAY.
    D. EXPOSED ROOTS SHALL NOT BE ALLOWED TO DRY OUT BEFORE PERMANENT BACKFILL IS PLACED. TEMPORARY EARTH COVER SHALL BE PROVIDED, OR ROOTS SHALL BE PACKED WITH WET PEAT MOSS OR FOUR LAYERS OF WET, UNTREATED BURLAP, AND TEMPORARILY SUPPORTED AND PROTECTED FROM DAMAGE UNTIL PERMANENTLY COVERED WITH BACKFILL. THE COVER OVER THE ROOTS SHALL BE WETTED TO THE POINT OF RUNOFF DAILY.
10. TRIMMING OF TREES (WHEN INDICATED AS WORK INCLUDED IN CONTRACT, OR WHEN PRUNING IS REQUIRED AS AN APPROVAL HAS BEEN GRANTED BY THE OWNER TO ACCOMMODATE CONSTRUCTION):
    A. BRANCHES SHALL BE THINNED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE STANDARD PRACTICES FOR PRUNING (ANSI A300).
    B. THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE SHALL BE ENGAGED TO OVERSEE REMOVAL OF BRANCHES FROM TREES AND LARGE SHRUBS WHICH ARE TO REMAIN.
    C. IN THE CASE OF ROOT CUTS, APPLY WET BURLAP OR OTHER PROTECTION TO PREVENT DRYING OUT, AND MAINTAIN IN A MOIST CONDITION UNTIL PERMANENT BACKFILL IS IN PLACE.
11. SOIL COMPACTION MITIGATION:
    A. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING ANY ROOT BUFFER MATERIAL SUCH AS MULCH, GRAVEL, OR PLYWOOD. THE CONTRACTOR IS RESPONSIBLE FOR ITS MAINTENANCE TO ASSURE EFFECTIVENESS AGAINST SOIL COMPACTION.

12 REPAIR COMPENSATION:
    A. DAMAGE TO EXISTING CROWNS OR ROOTS OVER TWO (2) INCHES IN DIAMETER SHALL BE IMMEDIATELY REPORTED TO THE OWNER. IN WRITING, AND REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE BY THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE.
    B. THE ARBORIST OF RECORD OR AUTHORIZED REPRESENTATIVE SHALL DIRECT THE REPAIR OF TREES DAMAGED BY CONSTRUCTION OPERATIONS. REPAIRS SHALL BE MADE PROMPTLY AFTER DAMAGE OCCURS TO PREVENT PROGRESSIVE DETERIORATION OF DAMAGED TREES.
    C. ANY TREE TO REMAIN WHICH IS DAMAGED OR DESTROYED OWING TO THE CONTRACTOR'S FAILURE TO PROVIDE ADEQUATE PROTECTION SHALL BE COMPENSATED FOR IN ACCORDANCE WITH THE GUIDELINES SET FORTH IN THE GUIDE FOR PLANT APPRAISAL, 9TH EDITION, USING THE TRUNK FORMULA METHOD.
        1. FOR TREES AND SHRUBS WITH DIAMETERS UP TO AND INCLUDING 6 INCHES, COMPENSATION SHALL BE THE ACTUAL COST OF REPLACEMENT WITH ITEM SIMILAR IN SPECIES, SIZE, AND SHAPE, INCLUDING, BUT NOT LIMITED TO:
            A. ACTUAL COST OF REPLACEMENT TREE.
            B. TRANSPORTATION OR DELIVER OF BOXED TREE TO SITE.
            C. PLANTING AND STAKING (OR GUYING).
            D. ESTABLISHMENT PERIOD MAINTENANCE FOR AT LEAST 90 DAYS, INCLUDING WATERING, PRUNING, PEST CONTROL, OR OTHER CARE TO BRING REPLACEMENT TO THE SAME GENERAL CONDITION OF THE ORIGINAL TREE.
    D. DAMAGED TREE LIMBS OR TREES WHICH HAVE DIED AS A RESULT OF INJURY DURING CONSTRUCTION SHALL REMAIN OR BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE OWNER OR ARBORIST OF RECORD.

MASTER CONSTRUCTION LEGEND

ITEM	DESCRIPTION	MANUFACTURER	MATERIAL/MODEL	COLOR	FINISH	NOTES	DETAIL
PAVING LEGEND							
P-1	CONCRETE PAVING (PEDESTRIAN)	-	P.I.P. CONCRETE	NATURAL GREY	TOP CAST #5	PROVIDE 5'X5' SAMPLE	DETAIL A SHEET L1.51
P-2	CONCRETE PAVING (VEHICULAR)	-	P.I.P. CONCRETE	NATURAL GREY	TOP CAST #5	SEE CIVIL FOR SUB-BASE	DETAIL E SHEET L1.51
P-3	CONCRETE BAND AT QUAD EDGE	-	P.I.P. CONCRETE	NATURAL GREY	TOP CAST #5	-	DETAIL J SHEET L1.51
P-4	CONCRETE SAWCUT JOINT	-	-	-	-	-	DETAIL D SHEET L1.51
P-5	CONCRETE MOW CURB	-	P.I.P. CONCRETE	NATURAL GREY	TOP CAST #5	-	DETAIL H SHEET L1.51
P-6	UNIT PAVERS	BELGARD 844.495.8210	MODULINE PAVER- 3x12" (60MM)	LINEN (LIGHTER GREY)	GROUND FACE	IN STOCK - RUNNING BOND PATTERN	DETAIL G SHEET L1.51
P-7	UNIT PAVERS	BELGARD 844.495.8210	MODULINE PAVER- 3x12" (60MM)	FOUNDRY (DARKER GREY)	GROUND FACE	IN STOCK - RUNNING BOND PATTERN	DETAIL G SHEET L1.51
P-8	DECOMPOSED GRANITE (STABILIZED)	SOUTHWEST BOULDER AND STONE - 714.882.1010	STABILIZED DECOMPOSED GRANITE	CALIFORNIA GOLD	-	DG AROUND TREES TO BE UNSTABILIZED WITHIN 24" OF TRUNK	DETAIL I SHEET L1.51
P-9	CONCRETE STAIRS - QUAD	-	P.I.P. CONCRETE	NATURAL GREY	TOP CAST #5	-	DETAIL F SHEET L1.51
P-10	SLOPED CONCRETE WALKWAY	-	P.I.P. CONCRETE	NATURAL GREY	TOP CAST #5	-	DETAIL A SHEET L1.51
P-11	JOINT AT NEW AND EXISTING CONCRETE	-	-	-	-	-	DETAIL N SHEET L1.51
WALLS AND FENCE LEGEND							
W-1	SEAT WALL AT QUAD STEPS	-	P.I.P. CONCRETE	NATURAL GREY	SMOOTH TROWEL FINISH WITH ACID ETCH	MAKE SINGLE 12X12 CUBE MOCKUP FOR APPROVAL OF BENCH/WALL FINISH. STRIP FORMS AND FINISH, NO SACKING ACCEPTED.	DETAIL P SHEET L1.51
W-2	RETAINING WALL AT WHEELCHAIR SPACE AT AMPHITHEATER	-	P.I.P. CONCRETE	NATURAL GREY	SMOOTH TROWEL FINISH WITH ACID ETCH	WITH SKATE DETERRENT: HEMI GRINDERMINDER	DETAILS F/L1.52 & G/L1.53
W-3	CHAINLINK FENCE	-	9 GAUGE, 2" OPENING	-	GALVANIZED	-	DETAIL L SHEET L1.52
W-4	CHAINLINK GATE FOR EMERGENCY ACCESS	-	9 GAUGE, 2" OPENING	-	GALVANIZED	-	DETAIL D SHEET L1.52
W-5	RETAINING WALL AT SLOPED WALK	-	P.I.P. CONCRETE	NATURAL GREY	SMOOTH TROWEL FINISH WITH ACID ETCH	MAKE SINGLE 12X12 CUBE MOCKUP FOR APPROVAL OF BENCH/WALL FINISH. STRIP FORMS AND FINISH, NO SACKING ACCEPTED.	DETAIL P SHEET L1.52
SITE AMENITIES LEGEND							
SA-1	CONCRETE BENCHES - ENTRY COURTYARD	-	P.I.P. CONCRETE	NATURAL GREY	SMOOTH TROWEL FINISH WITH ACID ETCH	WITH SKATE DETERRENT: HEMI GRINDERMINDER	DETAILS E & L SHEET L1.53
SA-2	CONCRETE BENCHES - AMPHITHEATER	-	P.I.P. CONCRETE	NATURAL GREY	SMOOTH TROWEL FINISH WITH ACID ETCH	MAKE SINGLE 12X12 CUBE MOCKUP FOR APPROVAL OF BENCH/WALL FINISH. STRIP FORMS AND FINISH, NO SACKING ACCEPTED.	DETAIL G SHEET L1.52
SA-3	CASUAL CHAIR	MMCITE 267-300-6995	LIMPIDO LLP235	TBD	-	TO BE BOLTED PER MANUF. RECOMMENDATIONS. CONTRACTOR TO SUBMIT SHOP DRAWING	-
SA-4	CHALKBOARD AT OUTDOOR CLASSROOM	PLATINUM VISUAL SYSTEMS ELISIA GUIDO: 951.817.2222	4'X8' WRITANIUM CHALKBOARD	BLACK	-	DROP-IN-TRAY SYSTEM, ALUMIN. FRAME CORE MTRL TO BE CEMENTITIOUS NOT PARTICLE BOARD	DETAIL O SHEET L1.52
SA-5	PRECAST TABLE AND BENCHES	QCP 866-703-3434	GROOVE - Q-GROOVE-72T	NATURAL	TBD	-	DETAIL A & D SHEET L1.54
SA-6	PRECAST TABLE AND CHAIRS	QCP 866-703-3434	BOX - Q-BOX-32T	NATURAL	TBD	-	DETAIL B & E SHEET L1.54
SA-7	NOT USED	-	-	-	-	-	-
SA-8	TREE GRATE	URBAN ACCESSORIES, DISTRIB. BY SPRUCE & GANDER 760-690-4083	CASCADE 4X8 GREY IRON (STANDARD)		RAW (STANDARD)	FRAME ON 3 SIDES ABUTTING CONCRETE, NO FRAME ON SIDE ABUTTING PA. CENTER OPENING TO BE CUT TO 20" WIDTH PRIOR TO INSTALLATION.	DETAIL H SHEET L1.53
SA-9	HANDRAIL	-	STAINLESS STEEL	-	-	-	DETAIL P SHEET L1.51
SA-10	NOT USED	-	-	-	-	-	-
SA-11	SLOPED TURF	-	-	-	-	-	-
SA-12	BIKE RACK	FORMS AND SURFACES 800-451-0410	OLYMPIA	ALUMINUM TEXTURE	-	INSTALL PER MANUFACTURER'S SPECIFICATIONS	DETAIL B SHEET L1.53
SA-13	BENCH (NO BACK)	MMCITE 267-300-6995	LIMPIDO LLP226	TBD	-	TO BE BOLTED PER MANUF. RECOMMENDATIONS. CONTRACTOR TO SUBMIT SHOP DRAWING	DETAIL C SHEET L1.54
SA-14	BENCH (WITH BACK)	MMCITE 267-300-6995	LIMPIDO LLP256	TBD	-	TO BE BOLTED PER MANUF. RECOMMENDATIONS. CONTRACTOR TO SUBMIT SHOP DRAWING	DETAIL F SHEET L1.54
SA-15	WHEELCHAIR SPACE AND ACCESSIBLE SURFACE AT OUTDOOR TABLE	QCP 866-703-3434	GROOVE - Q-GROOVE-72T BOX - Q-BOX-32T	NATURAL	TBD	TO BE BOLTED PER MANUF. RECOMMENDATIONS. CONTRACTOR TO SUBMIT SHOP DRAWING	DETAILS D & E, SHEET L1.54
SA-16	WHEELCHAIR SPACE AND COMPANION SEATING	-	-	TBD	-	-	DETAIL M SHEET L1.51

REFERENCE LEGEND

1	EXISTING FENCE, PROTECT IN PLACE
2	EXISTING DOUBLE SWING FIRE ACCESS GATE, PROTECT IN PLACE
3	EXISTING FIRE LANE, PROTECT IN PLACE
4	EXISTING PROMENADE/FIRE LANE, PROTECT IN PLACE
5	EXISTING PLANTING AREA, PROTECT IN PLACE
6	PARKING LOT, PROTECT IN PLACE
7	EXISTING CONCRETE PATH
8	EXISTING SIDEWALK, PROTECT IN PLACE
9	EXISTING TREE, PROTECT IN PLACE
10	BUILDING OVERHANG
11	RAISED PLANTER - SEE A10.14 & A10.17
12	CONCRETE PAD FOR TRANSFORMER - SEE S8.60
13	RAIN GARDENS PER CIVIL
14	GRAVEL BANDS - SEE PLANTING SHEETS
15	GRAVEL MAINTENANCE STRIP - SEE PLANTING SHEETS
16	GRAVEL FOR INTERIOR PLANTERS - SEE PLANTING LEGEND AND ARCHITECTURE DETAILS
17	STEEL HEADER - SEE PLANTING SHEETS
18	BOULDERS - SEE PLANTING SHEETS FOR COLOR, QTY, SIZE
19	GRAVEL FIRE LANE EXTENSION - PER CIVIL
20	EMERGENCY BLUEPHONE
21	SITE LIGHTING FIXTURE - SEE E0.03 & E1.22
22	GRAVEL MULCH - SEE PLANTING LEGEND

ABBREVIATION AND SYMBOL LEGEND

CL	CENTER LINE
PA	PLANTING AREA
TYP.	TYPICAL
F.O.B.	FACE OF BUILDING
—●—	STEP

MASTER CONSTRUCTION SCHEDULE AND NOTES

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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
MASTER CONSTRUCTION SCHEDULE AND NOTES

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
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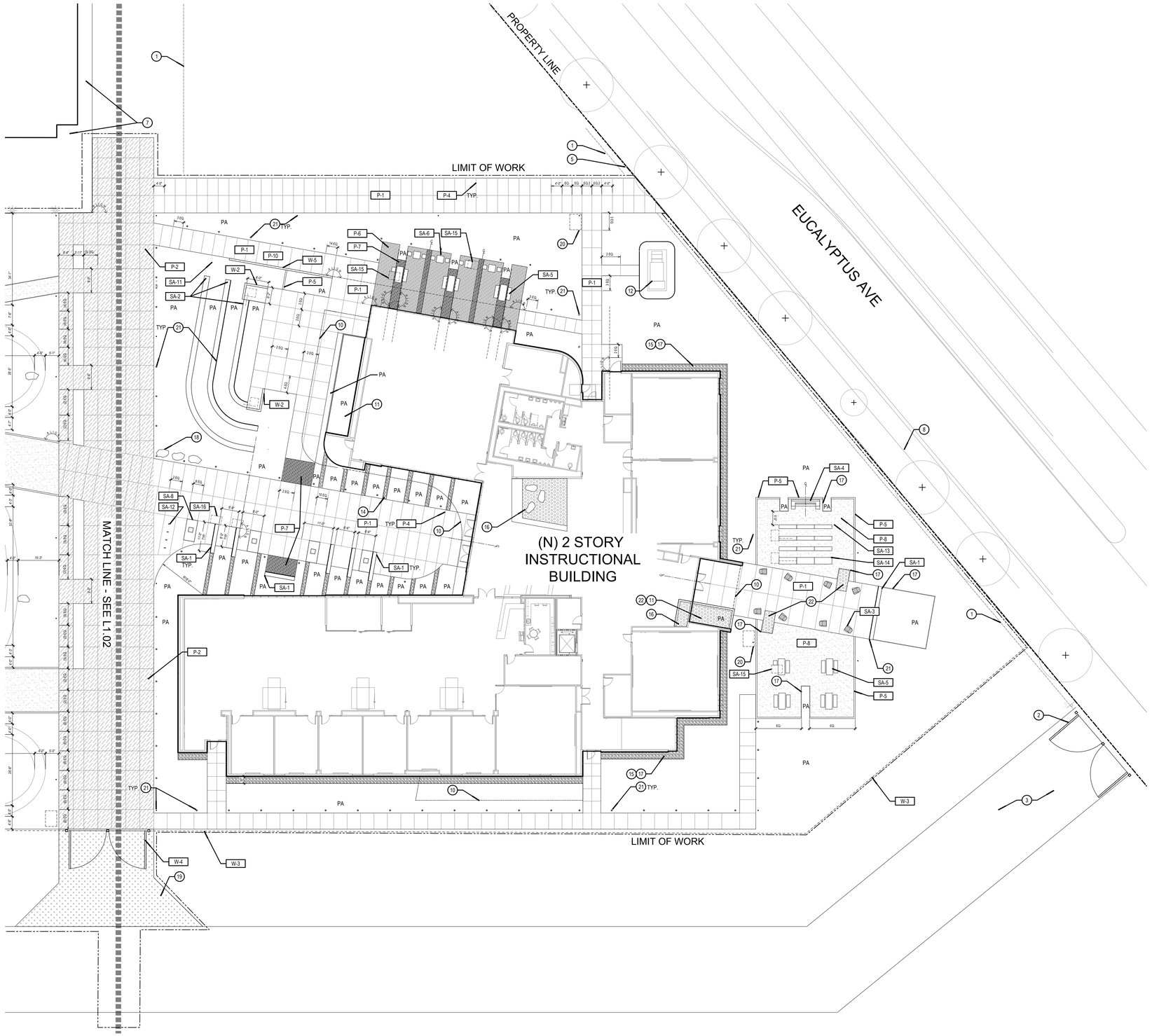
L1.00



PAVING LEGEND

FOR MATERIALS, COLORS, FINISHES AND MODELS, SEE MASTER CONSTRUCTION LEGEND, SHEET L1.00

ITEM	DESCRIPTION	DETAIL
P-1	CONCRETE PAVING (PEDESTRIAN)	DETAIL A SHEET L1.51
P-2	CONCRETE PAVING (VEHICULAR)	DETAIL E SHEET L1.51
P-3	CONCRETE BAND AT QUAD EDGE	DETAIL J SHEET L1.51
P-4	CONCRETE SAWCUT JOINT	DETAIL D SHEET L1.51
P-5	CONCRETE MOW CURB	DETAIL H SHEET L1.51
P-6	UNIT PAVERS	DETAIL G SHEET L1.51
P-7	UNIT PAVERS	DETAIL G SHEET L1.51
P-8	DECOMPOSED GRANITE (STABILIZED)	DETAIL I SHEET L1.51
P-9	CONCRETE STAIRS - QUAD	DETAIL F SHEET L1.51
P-10	SLOPED CONCRETE WALKWAY	DETAIL A SHEET L1.51
P-11	JOINT AT NEW & EXISTING CONCRETE	DETAIL N SHEET L1.51

WALL & FENCE LEGEND

W-1	SEAT WALL AT QUAD STEPS	DETAIL P SHEET L1.51
W-2	RETAINING WALL AT WHEELCHAIR SPACE AT AMPHITHEATER	DETAILS F/L1.52 & G/L1.53
W-3	CHAINLINK FENCE	DETAIL L SHEET L1.52
W-4	CHAINLINK GATE FOR EMERGENCY ACCESS	DETAIL D SHEET L1.52
W-5	RETAINING WALL AT SLOPED WALK	DETAIL P SHEET L1.52

SITE AMENITIES LEGEND

SA-1	CONCRETE BENCHES - ENTRY COURTYARD	DETAILS E & G SHEET L1.53
SA-2	CONCRETE BENCHES - AMPHITHEATER	DETAIL G SHEET L1.52
SA-3	CASUAL CHAIR	-
SA-4	CHALKBOARD AT OUTDOOR CLASSROOM	DETAIL O SHEET L1.52
SA-5	PRECAST TABLE AND BENCHES	DETAIL A & D SHEET L1.54
SA-6	PRECAST TABLE AND CHAIRS	DETAIL B & E SHEET L1.54
SA-7	NOT USED	-
SA-8	TREE GRATE	DETAIL H SHEET L1.53
SA-9	HANDRAIL	DETAIL P SHEET L1.51
SA-10	NOT USED	-
SA-11	SLOPED TURF	-
SA-12	BIKE RACK	DETAIL B SHEET L1.53
SA-13	BENCH (NO BACK)	DETAIL C SHEET L1.54
SA-14	BENCH (WITH BACK)	DETAIL F SHEET L1.54
SA-15	WHEELCHAIR SPACE ACCESSIBLE SURFACE AT OUTDOOR TABLE	DETAILS D & E, SHEET L1.54
SA-16	WHEELCHAIR SPACE AND COMPANION SEATING	DETAIL M SHEET L1.51

REFERENCE LEGEND

1	EXISTING FENCE, PROTECT IN PLACE
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22	GRAVEL MULCH - SEE PLANTING LEGEND

ABBREVIATION AND SYMBOL LEGEND

CL	CENTER LINE
PA	PLANTING AREA
TYP.	TYPICAL
F.O.B.	FACE OF BUILDING
—●—	STEP

REFER TO SHEET L1.00 FOR MASTER CONSTRUCTION SCHEDULES AND NOTES

0 4 8 16 32 Feet

Scale: 1/16" = 1'-0"

CONSTRUCTION PLAN ENLARGEMENT

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LICENSED ARCHITECT
KENNETH SALTER JR
NO. C-19082
REN. 11-30-21
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ISSUE

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KEYNOTES

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
CONSTRUCTION PLAN ENLARGEMENT

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

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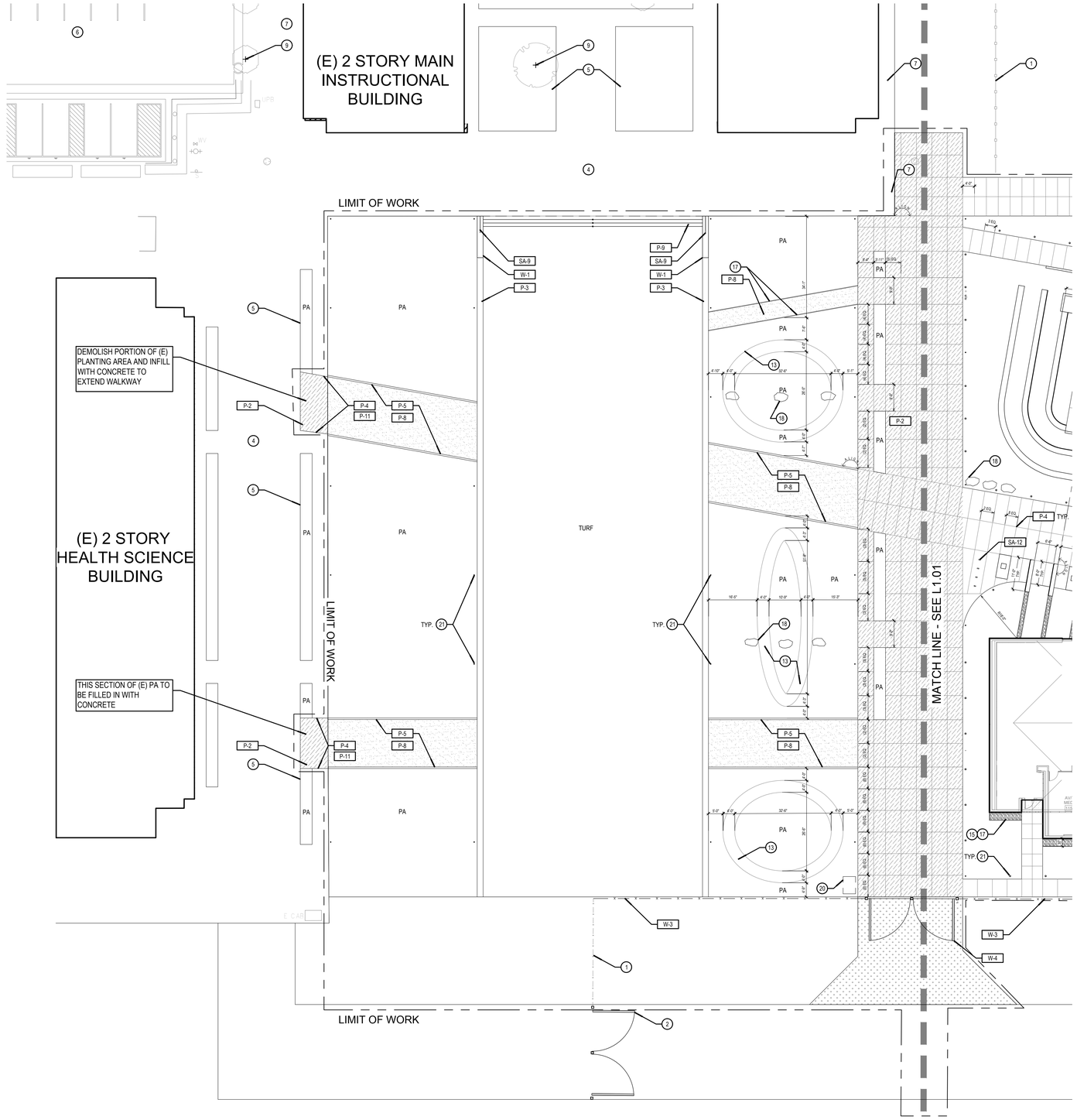

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WALL & FENCE LEGEND		
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W-3	CHAINLINK FENCE	DETAIL L SHEET L1.52
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W-5	RETAINING WALL AT SLOPED WALK	DETAIL P SHEET L1.52

SITE AMENITIES LEGEND		
SA-1	CONCRETE BENCHES - ENTRY COURTYARD	DETAILS E & G SHEET L1.53
SA-2	CONCRETE BENCHES - AMPHITHEATER	DETAIL G SHEET L1.52
SA-3	CASUAL CHAIR	-
SA-4	CHALKBOARD AT OUTDOOR CLASSROOM	DETAIL O SHEET L1.52
SA-5	PRECAST TABLE AND BENCHES	DETAIL A & D SHEET L1.54
SA-6	PRECAST TABLE AND CHAIRS	DETAIL B & E SHEET L1.54
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SA-10	NOT USED	-
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SA-13	BENCH (NO BACK)	DETAIL C SHEET L1.54
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SA-16	WHEELCHAIR SPACE AND COMPANION SEATING	DETAIL M SHEET L1.51

REFERENCE LEGEND	
1	EXISTING FENCE, PROTECT IN PLACE
2	EXISTING DOUBLE SWING FIRE ACCESS GATE, PROTECT IN PLACE
3	EXISTING FIRE LANE, PROTECT IN PLACE
4	EXISTING PROMENADE/FIRE LANE, PROTECT IN PLACE
5	EXISTING PLANTING AREA, PROTECT IN PLACE
6	PARKING LOT, PROTECT IN PLACE
7	EXISTING CONCRETE PATH
8	EXISTING SIDEWALK, PROTECT IN PLACE
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12	CONCRETE PAD FOR TRANSFORMER - SEE S8.60
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14	GRAVEL BANDS - SEE PLANTING SHEETS
15	GRAVEL MAINTENANCE STRIP - SEE PLANTING SHEETS
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ABBREVIATION AND SYMBOL LEGEND	
CL	CENTER LINE
PA	PLANTING AREA
TYP.	TYPICAL
F.O.B.	FACE OF BUILDING
	STEP

REFER TO SHEET L1.00 FOR MASTER CONSTRUCTION SCHEDULES AND NOTES

0 4 8 16 32 Feet
Scale: 1/16" = 1'-0"

CONSTRUCTION PLAN ENLARGEMENT

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH (ONE .X") IF THIS PRINT IS PROPERLY SCALED

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DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

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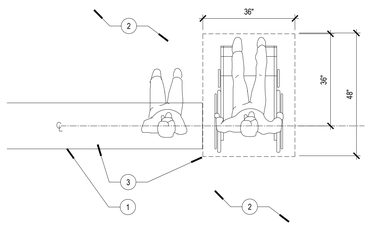
1. CONCRETE BENCH PER DETAIL E/L1.53
2. ADJACENT CONCRETE PAVING PER PLAN
3. WHEELCHAIR SPACE AND COMPANION SEAT PER ADA. SHOULDER ALIGNMENT

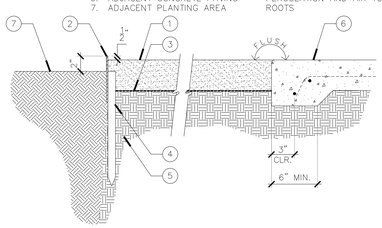


M Wheelchair Space and Companion Seating

Scale: 1/2" = 1'-0"

1. 3" THICK LAYER OF STABILIZED DECOMPOSED GRANITE PAVING, INSTALL IN LIFTS
2. LANDSCAPE EDGING PER PLAN
3. MIRAFI FILTER FABRIC
4. 1/8" DEEP ALUMINUM STAKES ON XLR ADAPTOR 3' O.C. MINIMUM
5. COMPACTED SUBGRADE PER GEOTECHINCAL REPORT
6. ADJACENT CONCRETE PAVING
7. ADJACENT PLANTING AREA

NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR ADDITIONAL INFORMATION.
B. DECOMPOSED GRANITE PAVING AROUND TREES SHOULD BE UNSTABILIZED WITHIN 24" OF THE TREE TRUNK TO ALLOW WATER PERCOLATION AND AIR TO ROOTS

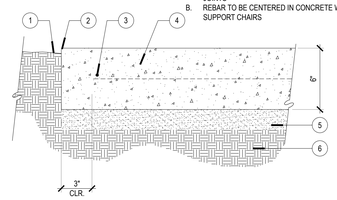


I Decomposed Granite

Scale: 1-1/2"=1'-0"

1. FINISH GRADE: -½" BELOW F.S. FOR LANDSCAPE AREAS
2. ¾" RADIUS AT EDGE OF PAVING.
3. REBAR SIZE AND SPACING PER CIVIL DRAWINGS. SEE DETAIL 2/C9.00
4. CONCRETE PAVING - SEE CONSTRUCTION LEGEND FOR COLOR AND FINISH
5. SUBBASE PER CIVIL DRAWINGS AND GEOTECHNICAL REPORT
6. SUBGRADE COMPACTED PER CIVIL DRAWINGS AND GEOTECHNICAL REPORT

NOTES:
A. SEE CONSTRUCTION PLAN FOR LOCATION OF JOINTS
B. REBAR TO BE CENTERED IN CONCRETE WITH SUPPORT CHAIRS

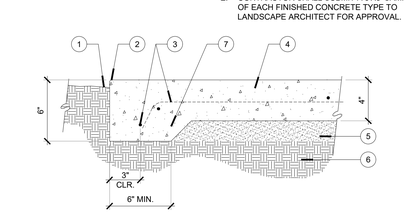


E Concrete Paving - Vehicular

Scale: 2"=1'-0"

1. FINISH GRADE: -½" BELOW F.S. FOR PLANTING AREAS
2. ¾" RADIUS
3. REBAR SIZE AND SPACING PER GEOTECHNICAL REPORT RECOMMENDATIONS FOR PAVEMENT
4. CONCRETE PAVING. SEE CONSTRUCTION LEGEND FOR COLOR AND FINISH
5. SUBBASE PER GEOTECHNICAL REPORT
6. SUBGRADE COMPACTED PER GEOTECHNICAL REPORT
7. THICKENED EDGE

NOTES:
A. SEE CONSTRUCTION PLAN FOR SCORE JOINT LOCATIONS
B. CONTRACTOR TO PROVIDE SHOP DRAWING DETAILING CONSTRUCTION JOINT LAYOUT PLAN TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO POURING CONCRETE HARDSCAPE.
C. INSTALL EXPANSION JOINTS BETWEEN NEW CONCRETE PAVING AND VERTICAL SURFACES, INCLUDING CONCRETE SEATWALLS, BUILDINGS, ETC. SEE DETAIL C, THIS SHEET.
D. REBAR TO BE CENTERED IN CONCRETE WITH SUPPORT CHAIRS
E. CONTRACTOR SHALL SUBMIT A 5'X5' SAMPLE OF EACH FINISHED CONCRETE TYPE TO LANDSCAPE ARCHITECT FOR APPROVAL.

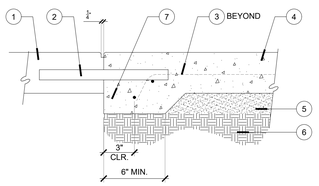


A Concrete Paving - Pedestrian

Scale: 2"=1'-0"

1. EXISTING CONCRETE
2. DRILL INTO EXISTING SLAB TO EMBED 18" DOWEL (9" EMBED) @ 12" O.C.
3. REBAR SIZE AND SPACING PER GEOTECHNICAL REPORT RECOMMENDATIONS FOR PAVEMENT
4. VEHICULAR CONCRETE PAVING, SEE DETAIL 2/C9.00. SEE CONSTRUCTION LEGEND FOR COLOR AND FINISH
5. SUBBASE PER GEOTECHNICAL REPORT
6. SUBGRADE COMPACTED PER GEOTECHNICAL REPORT
7. THICKENED EDGE

NOTES:
A. SEE CONSTRUCTION PLAN FOR CONSTRUCTION AND SCORE JOINT LOCATIONS
B. CONTRACTOR TO PROVIDE SHOP DRAWING DETAILING CONSTRUCTION JOINT AND SCORE JOINT LAYOUT PLAN TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO POURING CONCRETE HARDSCAPE. SEE DETAILS B AND C, THIS SHEET.
C. INSTALL EXPANSION JOINTS BETWEEN NEW CONCRETE PAVING AND VERTICAL SURFACES, INCLUDING CONCRETE SEATWALLS, BUILDINGS, ETC. SEE DETAIL D, THIS SHEET.
D. REBAR TO BE CENTERED IN CONCRETE WITH SUPPORT CHAIRS

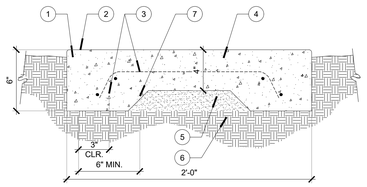


N Construction Joint at Existing Concrete

Scale: 2"=1'-0"

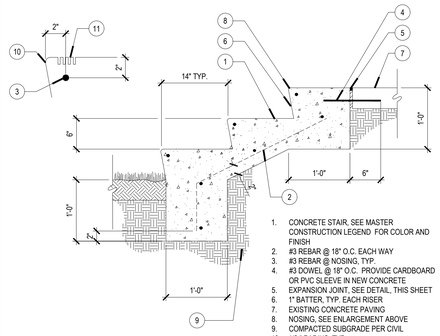
1. FINISH GRADE: -½" BELOW F.S. FOR PLANTING AREAS
2. ⅜" RADIUS
3. REBAR SIZE AND SPACING PER CIVIL
4. CONCRETE PAVING. SEE CONSTRUCTION LEGEND FOR COLOR AND FINISH
5. SUBBASE PER GEOTECHNICAL REPORT
6. SUBGRADE COMPACTED PER GEOTECHNICAL REPORT
7. THICKENED EDGE

NOTES:
A. SEE CONSTRUCTION PLAN FOR SCORE JOINT LOCATIONS
B. CONTRACTOR TO PROVIDE SHOP DRAWING DETAILING CONSTRUCTION JOINT LAYOUT PLAN TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO POURING CONCRETE HARDSCAPE.
C. INSTALL EXPANSION JOINTS BETWEEN NEW CONCRETE PAVING AND VERTICAL SURFACES, INCLUDING CONCRETE SEATWALLS, BUILDINGS, ETC. SEE DETAIL C, THIS SHEET.
D. REBAR TO BE CENTERED IN CONCRETE WITH SUPPORT CHAIRS
E. CONTRACTOR SHALL SUBMIT A 5'X5' SAMPLE OF EACH FINISHED CONCRETE TYPE TO LANDSCAPE ARCHITECT FOR APPROVAL.



J Concrete Band @ Quad Edge

Scale: 2"=1'-0"



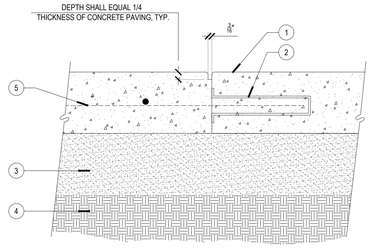
1. CONCRETE STAIR. SEE MASTER CONSTRUCTION LEGEND FOR COLOR AND FINISH
2. #3 REBAR @ 18" O.C. EACH WAY
3. #3 REBAR @ NOSING, TYP.
4. #3 DOWEL @ 18" O.C. PROVIDE CARDBOARD OR PVC SLEEVE IN NEW CONCRETE
5. EXPANSION JOINT. SEE DETAIL, THIS SHEET
6. 1" BATTER, TYP. EACH RISER
7. EXISTING CONCRETE PAVING
8. NOSING, SEE ENLARGEMENT ABOVE
9. COMPACTED SUBGRADE PER CIVIL
10. 1/2 " RADIUS, TYP.
11. FOUR 1/8" WIDE x 1/4" DEEP SCORE LINES, APPLY CONTRASTING COLOR ON ALL STEPS AND UPPER APPROACH

NOTES:
A. INSTALL HANDRAILS PER PLAN. SEE DETAIL P THIS SHEET.

F Concrete Stairs - Quad

Scale: 1"=1'-0"

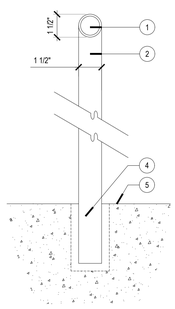
1. CONCRETE PAVING, PER PLAN
2. SPEED DOWELS, 18" LONG (9" EMBED) @ 12" O.C.
3. SUBBASE PER GEOTECHNICAL REPORT
4. SUBGRADE COMPACTED PER GEOTECHNICAL REPORT
5. REBAR SIZE AND SPACING PER CIVIL



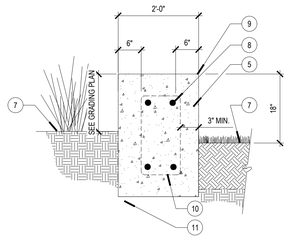
B Construction Joint

Scale: 3"=1'-0"

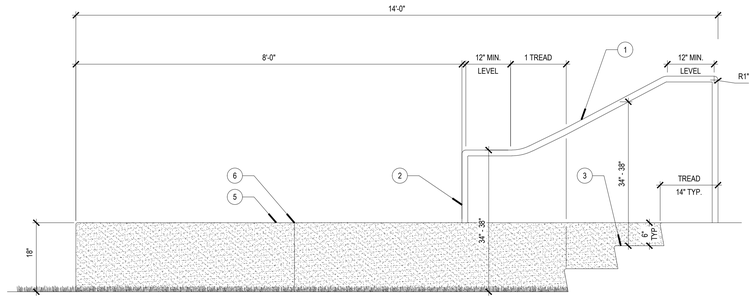
1. 1-1/2" DIAMETER TUBULAR STEEL HANDRAIL.
2. 1-1/2" DIAMETER TUBULAR STEEL POSTS, GRIND SMOOTH AT RAIL.
3. STAIRS PER PLAN AND PER DETAIL F, THIS SHEET
4. CORE DRILL 4" DIAMETER HOLE (IN EXISTING CONCRETE AT NORTH AND IN SEAT WALL AT SOUTH) AND SET HANDRAIL POST WITH POR-ROK
5. POURED IN PLACE CONCRETE SEAT WALL. COLOR & FINISH PER MASTER CONSTRUCTION LEGEND. PITCH TOP TO DRAIN.
6. EXPANSION JOINT, ±5' O.C., TYPICAL. SPREAD EQUALLY ACROSS LENGTH OF WALL.
7. ADJACENT PLANTING AREA PER PLAN
8. NO. 4 REBAR, CONTINUOUS
9. 1/2" RADIUS, TYPICAL
10. NO. 4 REBAR AT 12" O.C. WITH ALTERNATE BENDS IN FOOTING
11. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT



Section through handrail and post
NTS



Section through seat wall

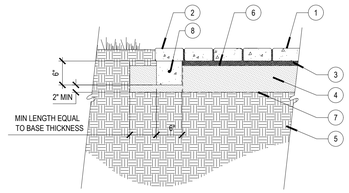


P Seat Wall and Handrail at Quad Steps

Scale: 3/4" = 1'-0"

1. CONCRETE PAVERS, 60MM MINIMUM THICKNESS
2. CAST IN PLACE CONCRETE CURB WITH POLYMER OR MORTAR ADHERED PAVER ON TOP. PROVIDE MIN 1" OVERHANG ON EACH SIDE
3. 1" BEDDING LAYER, CONFORMS TO ASTM C33 WITH <1% PASSING 0.080 MM
4. MINIMUM 4" AGGREGATE BASE LAYERED AND COMPACTED PER GEOTECHNICAL REPORT
5. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
6. GEOTEXTILE. 12" WIDE AT ALL PERIMETERS, TURN UP AGAINST CURB
7. OPTIONAL GEOTEXTILE SEPARATION FABRIC ON ENTIRE BOTTOM OF AGGREGATE BASE (EXTENDS BEYOND CURB)
8. #4 REBAR, CENTERED IN CURB

NOTES:
A. CONTRACTOR SHALL INSTALL PAVERS PER MANUFACTURE'S SPECIFICATIONS.

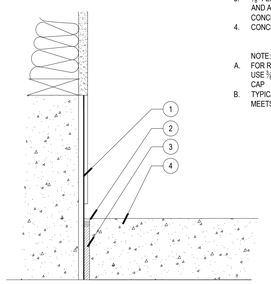


G Unit Pavers

Scale: 1" = 1'-0"

1. ADJACENT BUILDING, STEPS OR WALL
2. ½" TOOLED RADIUS - TYP.
3. ¾" FELT EXPANSION JOINT WITH JOINT CAP AND APPROVED MASTIC SEALANT TO MATCH CONCRETE COLOR TYP.
4. CONCRETE PAVING PER PLAN

NOTE:
A. FOR RADIUS OR IRREGULAR JOINT LAYOUT - USE ¾" THICK FOAM JOINT WITH TEAR AWAY CAP
B. TYPICAL DETAIL WHERE CONCRETE PAVING MEETS VERTICAL SURFACES

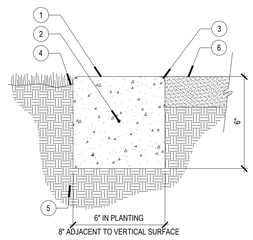


C Vertical Expansion Joint

Scale: 3"=1'-0"

1. CONCRETE MOWCURB, SEE CONSTRUCTION LEGEND FOR COLOR AND FINISH
2. REBAR PER CIVIL
3. ¾" RADIUS, TYP.
4. FINISH GRADE: -½" BELOW F.S. FOR TURF AREAS -1½" BELOW F.S. FOR SHRUB AREAS
5. COMPACTED SUBGRADE PER CIVIL
6. DECOMPOSED GRANITE, PER MASTER CONSTRUCTION LEGEND

NOTES:
A. PROVIDE A 1" DEEP SCORE JOINT AT 10' O.C. AND AT ALL CHANGES IN DIRECTION.
B. REBAR TO BE CENTERED IN CONCRETE WITH MIN. 18" TIED END OVERLAPS.



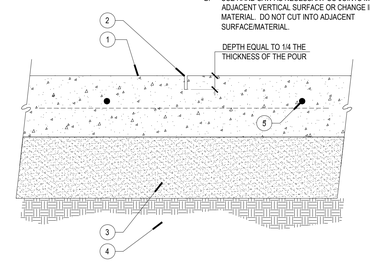
H Concrete Mowcurb

Scale: 3"=1'-0"

1. CONCRETE PAVING PER PLAN
2. ¾" SAWCUT JOINT
3. SUBBASE PER GEOTECHNICAL REPORT
4. SUBGRADE COMPACTED PER GEOTECHNICAL REPORT
5. REBAR SIZING AND SPACING PER CIVIL DRAWINGS

NOTES:
A. SEE CONSTRUCTION PLAN FOR LOCATION OF SAWCUT JOINTS.
B. USE HAND SAW AS NECESSARY SO JOINTS MEET ADJACENT VERTICAL SURFACE OR CHANGE IN MATERIAL. DO NOT CUT INTO ADJACENT SURFACE/MATERIAL.

DEPTH EQUAL TO 1/4 THE THICKNESS OF THE POUR



D Sawcut Joint

Scale: 3" = 1'-0"

AGENCY APPROVAL:

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APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CONSTRUCTION DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

L1.51

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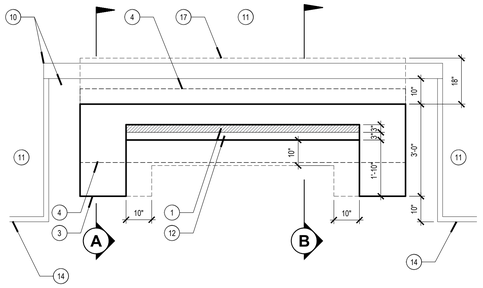
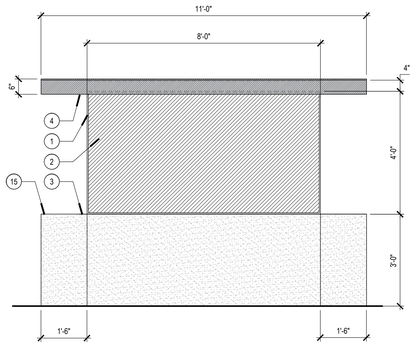


Plan



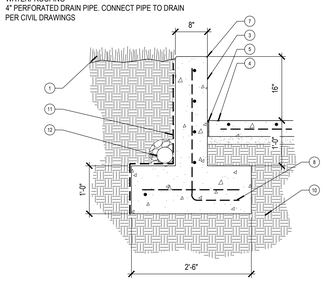
Elevation

1. 3" x ½" THICK STAINLESS STEEL CHALKBOARD FRAME
2. 4' X 8' WRITANIUM MAGNETIC CHALKBOARD ADHERED TO CONCRETE SURFACE AS RECOMMENDED BY MANUFACTURER FOR PROJECT CONDITIONS - PORCELAIN ENAMEL FINISH FUSED TO 28 GAUGE STAINLESS STEEL SHEET, CEMENT CORE, ALUMINUM BACKING
3. POURED IN PLACE CONCRETE WALL WITH SMOOTH FINISH
4. ½" THICK STAINLESS STEEL RAIN GUARD, SLOPED TO BACK TO DRAIN
5. #5 REBAR @ 12" O.C., VERTICAL
6. #5 REBAR @ 12" O.C., HORIZONTAL
7. (5) #4 MIN REBAR TOP AND BOTTOM, EVENLY DISTRIBUTED ALONG FOOTING
8. #6 REBAR @ 12" O.C., VERTICAL
9. #6 REBAR @ 12" O.C., HORIZONTAL
10. ADJACENT PAVING PER PLAN
11. PLANTING AREA PER PLAN
12. CONCRETE LEDGE
13. BOLT L-BRACKET WITH ¾" DIA. KWIK BOLT TZ (OR EQUAL) ANCHORS @ 16" O.C., EMBED 5-1/2" MIN., THEN WELD WEATHERGUARD TOP TO L-BRACKET
14. STEEL HEADER PER PLAN
15. ½" RADIUS AT ALL CORNERS, TYPICAL
16. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
17. FOOTING
18. #5 REBAR @ 12" O.C. TOP & BOTTOM
19. #5 REBAR HORIZONTAL @ 12" E.F.
20. (6) #4 MIN REBAR TOP AND BOTTOM - INCLUDING CONTINUOUS REBAR FROM BEYOND
21. (2) #5 FOOTING REINFORCEMENT, TOP AND BOTTOM

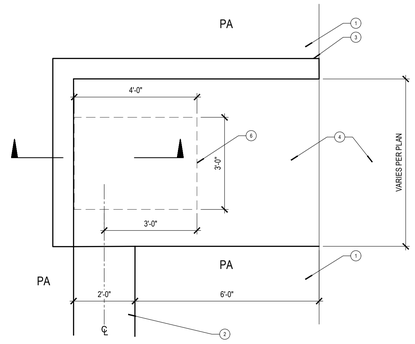
NOTES:
A. TOPS OF WALLS AND LEDGE TO SLOPE TO DRAIN.
B. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
C. CONTRACTOR TO INSTALL CHALKBOARD PER THE DIMENSIONS INDICATED IN THE DETAIL. ALTHOUGH MANUFACTURER PROVIDES COMPLETE CHALKBOARD SYSTEMS, CONTRACTOR WILL ONLY NEED TO PURCHASE CHALKBOARD SURFACE. INSTALL CHALKBOARD SURFACE PER MANUFACTURER SPECIFICATIONS.
D. CONCRETE TO BE 3000 PSI MINIMUM.
E. SEE MASTER CONSTRUCTION LEGEND FOR MORE INFORMATION.
F. REFER TO DSA BACK CHECK STRUCTURAL CALCULATIONS

1. TURF PER PLANTING PLAN
2. CAST IN PLACE CONCRETE AMPHITHEATER SEAT WALL, SEE DETAIL G THIS SHEET
3. CAST IN PLACE CONCRETE RETAINING WALL
4. PAVING PER PLAN
5. VERTICAL EXPANSION JOINT SEE DETAIL C, SHEET L1.51
6. WHEELCHAIR SPACE WITH SHOULDER ALIGNMENT TO COMPANION SEATING
7. 1/2" RADIUS AT ALL CORNERS, TYP.
8. #4 REBAR AT 12" O.C.E.W.
9. CONCRETE BENCHES, SEE DETAIL G, THIS SHEET
10. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
11. WATERPROOFING
12. 4" PERFORATED DRAIN PIPE. CONNECT PIPE TO DRAIN PER CIVIL DRAWINGS

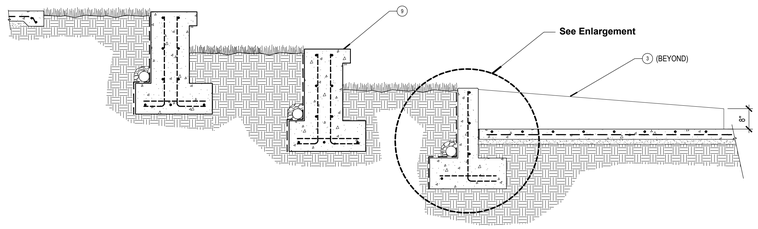
NOTES
A. SEE MASTER CONSTRUCTION LEGEND FOR COLORS AND FINISHES
B. SEE GRADING PLAN FOR GRADES AND TOP OF WALLS
C. SKATE DETERRENTS TO BE INSTALLED, SEE DETAIL G, SHEET L1.53



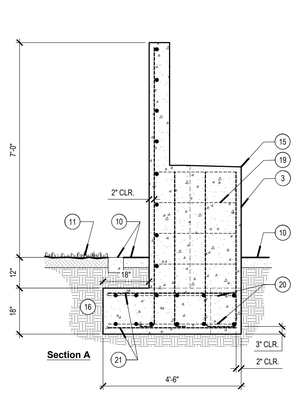
Enlargement View - Section Only
Scale: 3/4" = 1'-0"



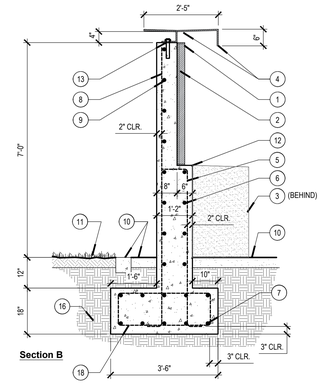
Plan View
Scale: 1/2" = 1'-0"



F **Retaining Wall at Wheelchair Space at Amphitheater**
Scale: 1/2" = 1'-0"

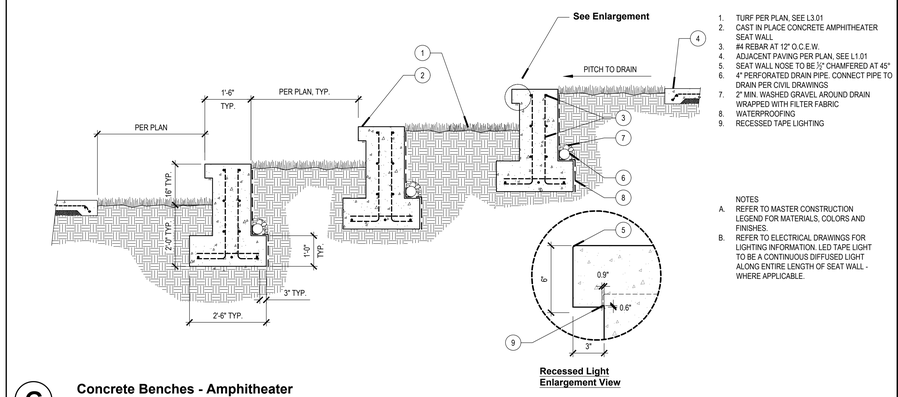


Section A



Section B

O **Chalkboard Wall**
Scale: 1/2" = 1'-0"

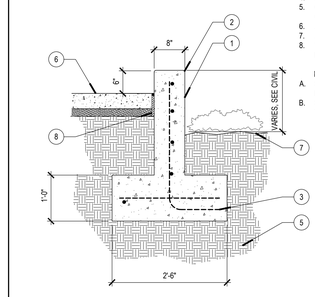


Recessed Light Enlargement View

G **Concrete Benches - Amphitheater**
Scale: 1/2"=1'-0"

1. TURF PER PLAN, SEE L3.01
2. CAST IN PLACE CONCRETE AMPHITHEATER SEAT WALL
3. #4 REBAR AT 12" O.C.E.W.
4. ADJACENT PAVING PER PLAN, SEE L1.01
5. SEAT WALL NOSE TO BE ½" CHAMFERED AT 45°
6. 4" PERFORATED DRAIN PIPE. CONNECT PIPE TO DRAIN PER CIVIL DRAWINGS
7. 2" MIN. WASHED GRAVEL AROUND DRAIN WRAPPED WITH FILTER FABRIC
8. WATERPROOFING
9. RECESSED TAPE LIGHTING

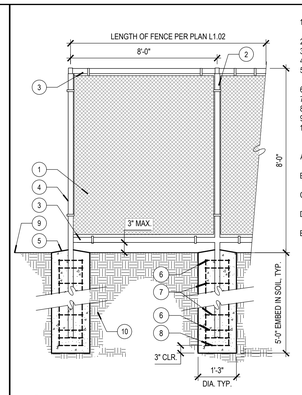
NOTES
A. REFER TO MASTER CONSTRUCTION LEGEND FOR MATERIALS, COLORS AND FINISHES.
B. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING INFORMATION. LED TAPE LIGHT TO BE A CONTINUOUS DIFFUSED LIGHT ALONG ENTIRE LENGTH OF SEAT WALL - WHERE APPLICABLE.



P **Retaining Wall at Sloped Walk**
Scale: 3/4"=1'-0"

1. POURED IN PLACE CONCRETE WALL
2. ½" RADIUS ALL CORNERS, TYP.
3. #4 REBAR AT 12" O.C.E.W.
4. NOT USED
5. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
6. ADJACENT PAVING PER PLAN
7. ADJACENT PLANTING AREA PER PLAN
8. VERTICAL EXPANSION JOINT, SEE DETAIL C/L1.51

NOTES:
A. SEE MASTER CONSTRUCTION LEGEND FOR COLOR AND FINISH
B. SEE GRADING PLAN FOR GRADES AND TOP OF WALLS



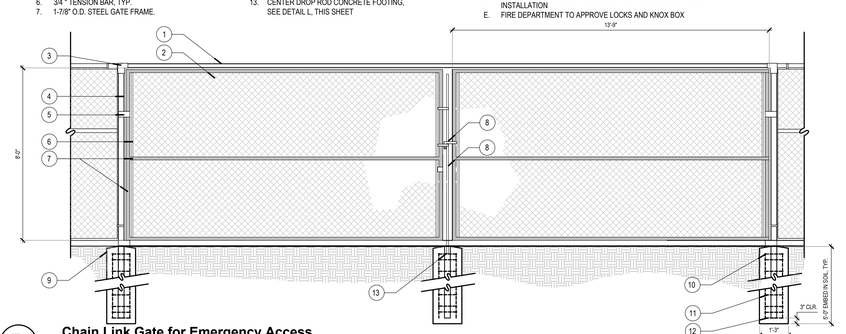
1. CHAINLINK FABRIC, KNUCKLE SELVAGE TOP, SIDES, & BOTTOM
2. 2-7/8" LINE POST
3. 1-5/8" TOP & BOTTOM RAIL
4. 4" O.D. END POST
5. CONCRETE FOOTING (FORM WITH SONOTUBE)
6. (2) #3 TIE, 3" O.C.
7. (7) #3 TIE, 6" O.C.
8. (6) #6 REBAR
9. FINISHED GRADE
10. SUB GRADE PER GEOTECH REPORT

NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR ADDITIONAL INFORMATION
B. POST DIAMETER ARE STANDARD NOMINAL PIPE SIZE
C. REFER CONSTRUCTION PLANS FOR FENCE LENGTHS
D. VERIFY FENCE LAYOUT W/ LANDSCAPE ARCH. IN FIELD PRIOR TO INSTALLATION
E. STRUCTURAL DETAILING SHOWN HERE PROVIDED BY STRUCTURAL

L **Chain Link Fencing**
Scale: 1/2"=1'-0"

1. 1-7/8" O.D. STEEL TOP, MID, AND BOTTOM RAILS.
2. CHAINLINK FABRIC, KNUCKLE SELVAGE ALL SIDES.
3. CLAMP, TYP., OF TWO (2).
4. PEDESTRIAN GATE POST, 2-7/8 " O.D. STEEL POST.
5. BUTT HINGE W/180 DEGREE SWING, TYP.
6. 3/4 " TENSION BAR, TYP.
7. 1-7/8" O.D. STEEL GATE FRAME.
8. CENTER DROP ROD ASSEMBLY
9. CONCRETE POST FOOTINGS, SEE DETAIL L, THIS SHEET
10. (2) #3 TIE, 3" O.C.
11. (7) #3 TIE, 6" O.C.
12. (6) #6 REBAR
13. CENTER DROP ROD CONCRETE FOOTING, SEE DETAIL L, THIS SHEET

NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR ADDITIONAL INFORMATION
B. POST DIAMETER ARE STANDARD NOMINAL PIPE SIZE
C. REFER CONSTRUCTION PLANS FOR FENCE LENGTHS
D. VERIFY FENCE LAYOUT W/ LANDSCAPE ARCH. IN FIELD PRIOR TO INSTALLATION
E. FIRE DEPARTMENT TO APPROVE LOCKS AND KNOX BOX



D **Chain Link Gate for Emergency Access**
Scale: 3/8"=1'-0"

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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CONSTRUCTION DETAILS

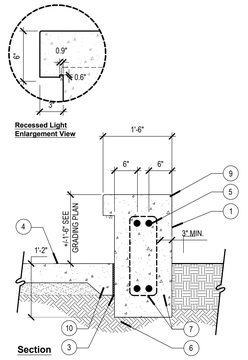
DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

L1.52



1. POURED-IN-PLACE CONCRETE WALL. COLOR & FINISH PER MASTER CONSTRUCTION LEGEND. PITCH TOP TO DRAIN.
2. EXPANSION JOINT, ±5' O.C. TYPICAL. SPREAD EQUALLY ACROSS LENGTH OF WALL.
3. VERTICAL EXPANSION JOINT. SEE DETAIL C/L1.51
4. ADJACENT PAVING PER PLAN
5. 2 NO.4 REBAR TOP AND BOTTOM HORIZONTAL, CONTINUOUS
6. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
7. NO. 4 REBAR VERTICAL @ 12" O.C. WITH ALTERNATE BENDS IN FOOTING
8. FINISH SURFACE PER PLAN
9. 1/2" RADIUS, TYP.
10. THICKENED EDGE AT SEATWALL

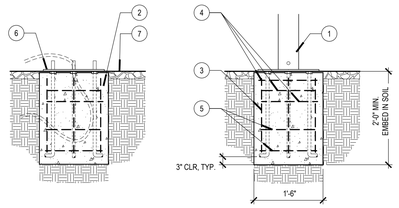
NOTES:
A. CONTRACTOR TO PROVIDE FULL-SCALE MOCKUP
B. SKATE DETERRENTS TO BE INSTALLED, SEE DETAIL G, THIS SHEET

E Concrete Benches - Entry Courtyard

Scale: 3/4"=1'-0"

1. LIGHT POLE PER ELECTRICAL PLAN
2. CONCRETE FOOTING
3. (6) #6 LONGITUDINAL ENFORCEMENT
4. #3 TIES @ 2" O.C.
5. #3 TIES @ 6" O.C.
6. LIGHT POLE BASE PLATE, SEAL WITH SILICONE PER MANUFACTURER'S RECOMMENDATION.
7. ADJACENT PLANTING AREA WITH MULCH LAYER

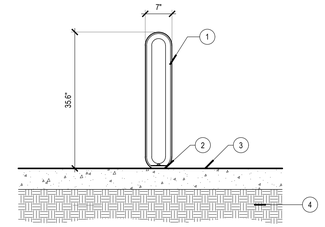
NOTES:
A. CONTRACTOR SHALL REFER TO STRUCTURAL ENGINEER'S PLANS FOR FOOTING DESIGN, STEEL REINFORCEMENT AND LIGHT POLE CONNECTIONS.
B. CONTRACTOR SHALL REFER TO ELECTRICAL ENGINEER'S PLANS FOR LIGHT POLE SPECIFICATIONS AND FOOTING CONNECTIONS.



F Light Pole Base

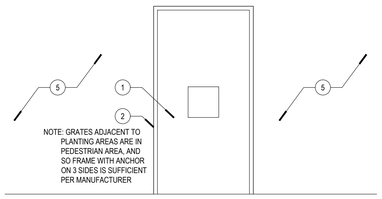
Scale: NTS

1. BICYCLE RACK - SEE MASTER CONSTRUCTION LEGEND FOR MORE INFORMATION.
2. SURFACE MOUNTED PER MANUFACTURER'S SPECIFICATIONS.
3. PAVING PER PLAN.
4. SUBGRADE COMPACTED PER GEOTECH REPORT.



B Bike Rack Mounting

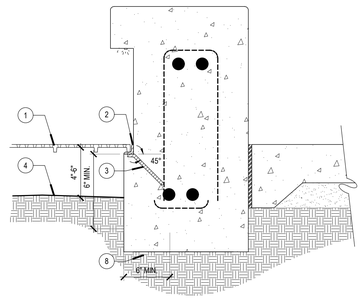
Scale: 3/4"=1'-0"

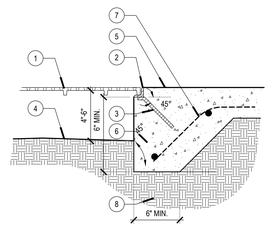


Plan of grate adjacent to PA
NTS

1. METAL TREE GRATE
2. ANGLE STOCK PERIMETER FRAME SIZED TO COORDINATE WITH GRATE THICKNESS, INSTALL PER MANUFACTURERS INSTRUCTIONS.
3. TYP. #3 REBAR EMBEDMENT ANCHOR 6" TYP. OVERALL LENGTH. INSTALL PER MANUFACTURER'S INSTRUCTIONS
4. FINISH GRADE AT TREE WELL
5. ADJACENT PAVING PER PLAN
6. THICKENED CONCRETE EDGE
7. REBAR AND SIZING PER CIVIL
8. COMPACTED SUBGRADE PER GEOTECH REPORT
9. CONCRETE BENCH, SEE E/L1.53

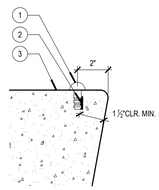
NOTES:
A. TREE GRATE MODEL AND FINISH PER MASTER CONSTRUCTION LEGEND.
B.





H Tree Grate

Scale: 1 1/2" = 1'-0"



1. HEMI GRINDERMINDER, INSTALL PER MANUFACTURER'S INSTRUCTIONS
2. PLACE SHIM LOCK ON SIDE
3. CONCRETE WALL OR BENCH PER PLAN

PROCEDURE:
A. DRILLING FREE-HAND, DRILL A ½" DIAMETER HOLE INTO CONCRETE WALL OR BENCH APPROXIMATELY 1 ½" DEEP. NOTE: THE CONCRETE DRILL SHOULD CREATE A HOLE THAT IS SLIGHTLY OVER ½"DIAMETER. THIS WILL ALLOW ROOM FOR THE LOCKING SHIM AND EPOXY
B. DRILL HOLE APPROXIMATELY 1-1/2" DEEP. THE ENTIRE STEM OF THE GRINDERMINDER SHOULD BE INSERTED SO THAT THE FLAT BOTTOM OF THE HEMISPHERE GRINDERMINDER IS FLUSH WITH THE SURFACE, SLIGHTLY SET IN FROM THE EDGE OF THE SEAT WALL
C. CLEAR ALL DEBRIS FROM THE DRILLED HOLE
D. PLACE ONE PIECE OF SHIM STOCK IN THE DRILLED HOLE ON THE SIDE OF THE HOLE
E. FILL THE HOLE APPROXIMATELY ONE-THIRD FULL WITH EPOXY
F. INSERT THE GRINDERMINDER INTO THE HOLE AND DRIVE IT INTO THE HOLE USING A RUBBER MALLET
G. CAREFULLY WIPE ANY EXCESS EPOXY FROM THE STONE AND GRINDERMINDER IMMEDIATELY
H. REPEAT THIS PROCESS FOR EACH GRINDERMINDER TO BE INSTALLED. GRINDERMINDERS SHOULD BE INSTALLED AT ROUGHLY 36" INTERVALS, BE SURE NOT TO INSTALL GRINDERMINDERS DIRECTLY INTO A MORTAR JOINT, AS THEY WILL BE MUCH EASIER FOR A VANDAL TO REMOVE.

L Hemisphere (Hemi) GrinderMinder Skate Deterrent

SA-1
W-2

Scale: 3" = 1'-0"

2/13/2023, 3:47:43 PM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

EPTDESIGN
844 EAST GREEN STREET, SUITE 201
PASADENA, CA 91101
626.795.2008
EPTDESIGN.COM

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CONSTRUCTION DETAILS

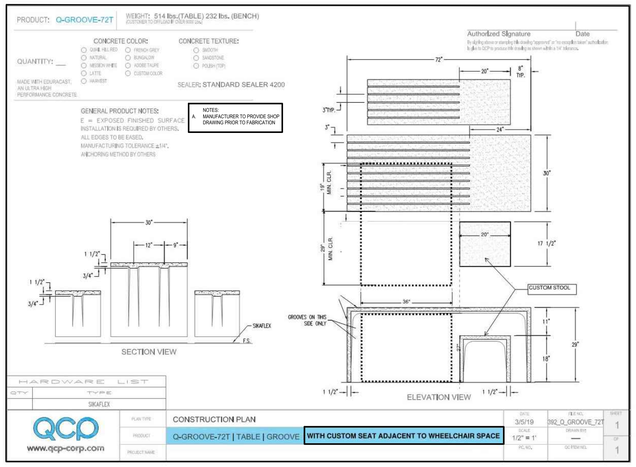
DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

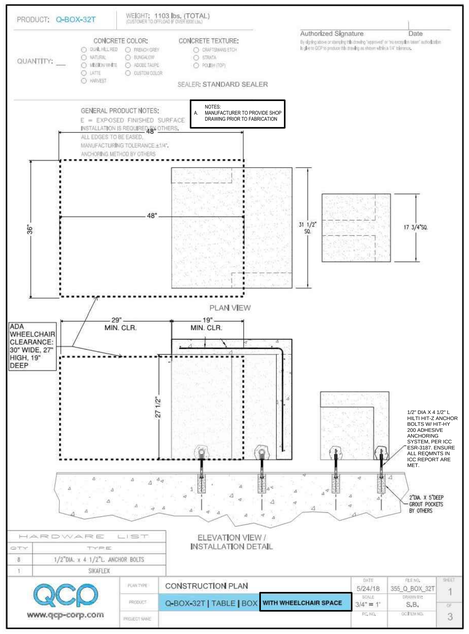
SHEET:

L1.53



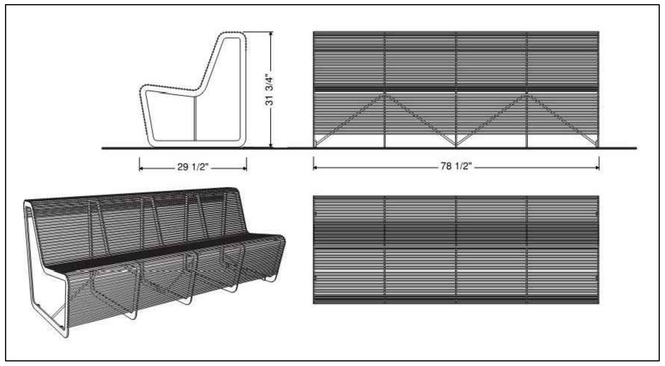
D Accessible Surface at Outdoor Table

Scale: 1/2" = 1'-0"



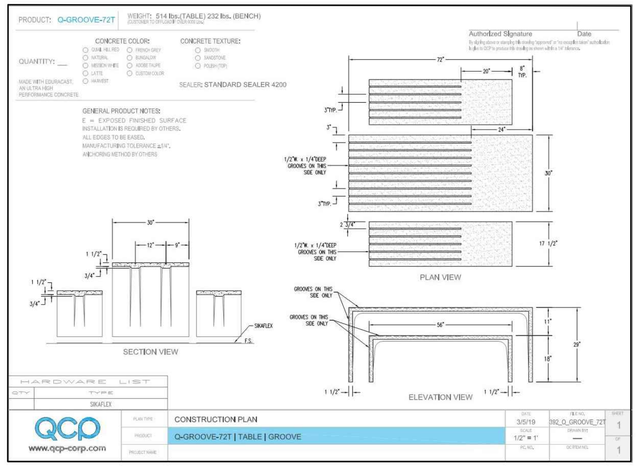
E Accessible Surface at Outdoor Table

Scale: 3/4" = 1'-0"



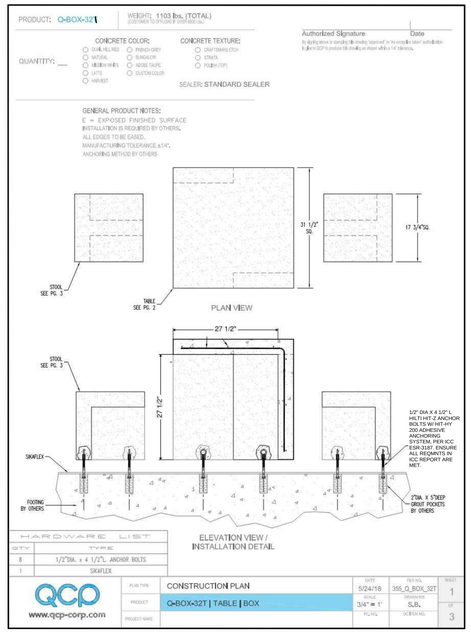
F Bench (With Back)

NTS



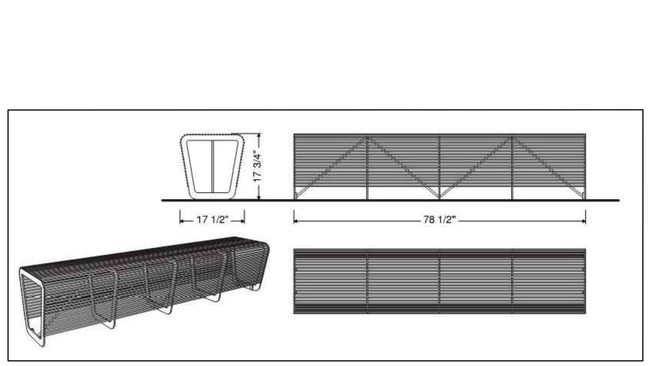
A Precast Table and Benches

Scale: 1/2" = 1'-0"



B Precast Table and Chairs

Scale: 3/4" = 1'-0"



C Bench (No Back)

NTS

AGENCY APPROVAL:

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FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

L1.54

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS ORIGINAL DRAWING SIZE

WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ETo) 54.6 Project ETAF Project ETAF 0.45

Hydro-zone #	Planting Descriptions[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (sq. ft.)	Landscape Percentage	ETAF x Area	Estimated Total Water Use (ETWU)[d]
	Regular Landscape Areas								
						-	0%	-	-
						-	0%	-	-
						-	0%	-	-
						-	0%	-	-
						-	0%	-	-
					Subtotals	-	0%	-	-
	Special Landscape Areas								
1	Recycled water				1	58,285	100%	58,285.00	1,973,063.82
					1		0%	-	-
					1		0%	-	-
					1			-	-
					1			-	-
				Subtotals		58,285	100%	58,285.00	1,973,063.82
				Total Landscape Area		**58,285**	**100%**	**ETWU Total**	1,973,063.82
								ETWU (in acre-feet)	6.06
								Maximum Allowed Water Allowance (MAWA)[e]	1,973,063.82
								MAWA (in acre-feet)	6.055102475

[a] *Hydrozone/Planting Description*
E.g.
1) Front Lawn
2) Low water use plantings
3) Medium water use planting

[b] *Irrigation Method*
Overhead spray or drip

[c] *Irrigation Efficiency*
.75 for spray head
.81 for drip & Bubbler

[d] *ETWU (Annual Gallons Required) =* ETo x 0.62 x ETAF x Area
where 0.62 is conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

[e] *MAWA (Annual Gallons Allowed) = (ETo) (0.62)((ETAF x LA) + ((1-ETAF) x SLA))*
where 0.62 is conversion factor that converts acre-inches per acre per year to gallon per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is 0.55 for residential areas and 0.45 for non-residential areas

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	-
Total Area	0
Average ETAF	**0**

All Landscape Areas

Total ETAF x Area	58,285.00
Total Area	58,285
Sitewide ETAF	**1.00**

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential area.

NOTE: ALL LANDSCAPE IS DESIGNATED "SPECIAL LANDSCAPE AREA" BECAUSE ALL AREAS TO BE IRRIGATED WITH RECYCLED WATER.

GENERAL IRRIGATION NOTES

1. The irrigation contractor shall be responsible for familiarizing themselves with all differences in grade, location of seatwalls, location of retaining walls, etc. The contractor shall be responsible for coordinating all irrigation work with the general contractor, electrical contractor, and all other subcontractors for the location and the installation of irrigation related sleeves through walls, structures, under roadways, paving, etc.
2. The irrigation design presented in these documents is intended to be diagrammatic. All irrigation equipment, piping and valve locations, etc. shown within paved areas are for design clarification and shall only be installed in planting areas. Irrigation contractor shall install all remote control valves, quick couplers, and gate valves, in shrub planting areas or as approved by owner's representative & the landscape irrigation designer. Avoid any conflicts between the sprinkler system, planting and architectural features.
3. The irrigation system design is based upon the minimum operating pressure and the maximum flow demand shown on the irrigation drawings at each point of connection. The irrigation contractor shall verify water pressure prior to construction. Any difference between the water pressure indicated on the drawings and the actual pressure reading at the irrigation point of connection shall be immediately reported in writing to the owner's authorized representative. If the pressure differences are not immediately reported prior to beginning construction, the irrigation contractor shall assume full responsibility for all revisions to the irrigation system deemed necessary by the owner's representative and all costs associated with those revisions.
4. When it is apparent to the landscape contractor in the field that obstructions, grade differences, or differences in the calculated area dimensions exist that may have not been considered in the design of the system, the irrigation contractor shall not willfully install the irrigation system as indicated on the construction drawings. The owner's authorized representative shall be notified in writing of any such obstructions or differences prior to beginning any irrigation installation. If notification is not received prior to beginning installation, the irrigation contractor shall assume full responsibility for all revisions to the irrigation system as deemed necessary by owner's representative and all costs associated with those revisions.
5. The irrigation contractor shall be responsible for installing all control wire sleeving of sufficient size, under all paved areas in addition to the control wire sleeving shown on the drawings.
6. All piping and equipment shall be installed per the irrigation details. Teflon tape or Teflon pipe dope shall be applied to all male PVC pipe threads on all irrigation valve assemblies.
7. All pop-up style irrigation heads located in in shrub or groundcover areas shall be installed so the top of the irrigation head is 1" above finish grade.
8. All pop-up style irrigation heads to be located in turf areas shall initially be installed so the top of the irrigation heads are flush with the adjacent sidewalk or curb. Within 10 days of being notified by the owner's representative, the irrigation contractor shall be responsible for adjusting all turf irrigation heads so the top of the irrigation head is 1/2" above finish grade.
9. The irrigation contractor shall be responsible for flushing and adjusting all irrigation heads for optimum performance and to prevent over spray onto areas not intended for irrigation. This shall include selecting the proper the arc pattern, adjusting the spray radius of the irrigation head with PRS screens and/or also throttling the flow control at each valve to obtain the optimum operating pressure for each system.
10. The irrigation contractor shall be responsible for adjusting the pressure regulator on each electric control valve so the irrigation head farthest and highest in elevation from its associated control valve functions within the operating pressure shown on the irrigation legend (not to exceed 5 PSI above the indicated operating pressure).
11. When installing Rain Bird 1800 series nozzles that require arc patterns other than the standard arc patterns (e.g., 360°, 180°, and 90°), the contractor shall use the appropriate fixed arc pattern (e.g. 120°, 240°, 270°). The contractor shall use Rain Bird variable arc nozzles (VAN) when installing irrigation heads using Rain Bird 1800 series nozzles only when required pattern is not one of the fixed arc patterns. Select the radius of VAN nozzles to match site conditions. For example: use 8-VAN when an 8 foot radius is required or a 12-VAN where a 12 foot radius is required.
12. The irrigation contractor shall be responsible for making field adjustments to the irrigation system by installing a quarter circle or half circle sprinkler head on each side of any vertical element (props, street lights, trees, etc.) which prevents proper coverage by interfering with the spray pattern of the irrigation head. All adjustments shall be made at no additional costs to the owner.
13. Drainage of irrigation water through spray head will not be allowed. Rain Bird SAM feature shall be used to prevent spray head drainage. During construction, the contractor shall change spray bodies from Rain Bird 1800-PRS to 1800-SAM-PRS for spray heads showing signs of draining after the irrigation system has operated from an ON to OFF position. Installation of Rain Bird SAM feature shall be included in the Bid Price of the irrigation system.
14. The irrigation contractor shall be responsible for making the final connection between the power source and the automatic controller. 120 volt electrical power source shall be provided by others at the automatic controller location.
15. Adhesives, sealants and caulks shall meet local or regional air pollution control or south coast AQMD rule 1168 VOC and statewide VOC standards.
16. Contractor shall verify exterior mounted rain sensor location and provide wiring between rain sensor and controller.
17. Heat stamp all boxes with clock number, and valve number, typical.
    Ball Valves "SV/##"
    Quick Couplers "QC##"
    Mastr Valves "MV/##"
    Isolation Valves "IV/##"
18. Lightly stamp concrete with butt end of 1" PVC pipe wherever a sleeve is installed under the concrete (both sides), typical.
19. Specify a tag with a valve number on all valves installed underground.
20. Add Ball Valves in front of cylinoid valves for ease of replacements in the future, typ.

OBSERVATION SCHEDULING

The landscape contractor shall schedule an irrigation site observation by the irrigation designer, and/or the owner's representative, which shall not occur without at least 48 hours prior notification. The following items shall be reviewed:

1. Pre-job/kick-off meeting with contractor, general contractor, and irrigation designer.
2. Mainline, backflow preventer, master valves, flow sensors, booster pump installation and operation, installation review prior to backfilling trenches, irrigation mainline pressure test, etc.
3. Finalizing the location for the controller assemblies - landscape contractor shall coordinate with the irrigation designer to verify connection of flow sensors and associated equipment to each controller assembly and for certification/warranty of equipment.
4. Irrigation coverage test - a dynamic pressure test shall be performed by the landscape contractor and shall be observed by the owner (or the owner's representative) and the irrigation designer for each valve during the irrigation coverage test.

IRRIGATION CONSTRUCTION NOTES

1 POC NOTE

The landscape contractor shall purchase and install one 2" reclaimed water meter located per the civil engineer's sewer & water plan and as shown on the irrigation plan. Verify that the static pressure is 120 PSI prior to construction. Contractor shall furnish and install mainline to the flanged gate valves, backflow preventer, quick couplers, master valve, and flow sensor per the irrigation legend and details. (Refer to the irrigation plans for sizing). Refer to irrigation legend and irrigation construction notes for model numbers. Install the flow sensor per the manufacturer's recommendations and details. Contractor shall furnish all materials and labor to execute and install the irrigation system per the irrigation plans.

Install the gate valves, backflow preventer, master valves, flow sensors, and quick couplers within the shrub planting areas only.

The flow sensor wire shall be manufactured by "Rain Master", model #EV-CAB-SEN. No field splices allowed between flow sensor and controller. All flow sensor wires shall be installed within a gray 1-1/2" DIA., SCH. 40 PVC conduit. Each conduit shall have a separate flow sensor cable installed within it based on the corresponding controller assembly. Imperial Technical Services shall make the final connections from the flow sensor to the controller assemblies.

Mainline shown in hardscape areas is diagrammatic. Mainlines are intended to be installed within the shrub areas only. Any mainline, lateral, or control wires that run under hardscape areas shall be installed in SCH. 40 PVC sleeves which shall be sized a minimum of twice the diameter of the actual pipe diameter. Refer to irrigation details for installation and depths of sleeving.

CONTROLLER INFORMATION

2 CONTROLLER NOTE

MANUFACTURER: RainBird
TYPE: Modular Controller
ASSEMBLED BY: RainBird

CONTROLLER IDENTIFICATION	CONTROLLER PART NUMBER
A	ESP-LXME-FS-MP

INTERNET REQUIRED: YES, WIFI CONNECTION
FLOW SENSOR CABLE: YES
Install flow sensor cable in a 1 1/2" U.L. PVC SCH. 40 gray conduit.

The 120 volt power supply connection to the irrigation controller assembly shall be the responsibility of the irrigation contractor. Refer to electrical plans for additional information. Final location of the irrigation controller assembly shall be approved by the owner's authorized representative prior to installation. All sprinkler heads shall be field adjusted to prevent over spray onto the irrigation controller assembly enclosure.

The system is designed for the operation of one valve at a time per controller. The system has been designed for one valve opening and one valve closing.

The controller shall be located as shown on the drawings or as directed by the owner's authorized representative.

Contractor to determine best way to provide internet connectivity for controller in prioritized order per site conditions. Ethernet cable, WIFI, cellular. Components in controller to provide internet connectivity will vary.

PRESSURE CALCULATIONS FOR DOMESTIC IRRIGATION

Project Name and/or Tract#:	1
Date and Source of Information:	12/08/20
Name of Contact Person and Phone Number:	
P.O.C. Water Meter #	1
Water Meter Size and Type:	2" Reclaimed Water Meter
Hydraulic Grade Level:	FT
Water Meter Elevation:	655 FT
Highest Head Elevation on the System:	660 FT
Basis for Calculations:	Highest GPM Demand

Remote Control Valve#: A5

Size of Remote Control Valve: 1.5"
Demand at Remote Control Valve: 34 GPM

QUANTITY	SIZE	DESCRIPTION	FLOW (GPM)	LOSS (PSI)
1	2"	Water Meter	34	0
1	2"	Backflow RP	34	10
		Pressure Regulator		
2	2"	Gate Valve(s)	34	0
		Gate Valve(s)		
1	2"	Master Valve	34	0
1	2"	Flow Sensor	34	0
99 LF	2"	Mainline	34	1
-	-	Mainline	-	-
		Mainline		
		Mainline		
1	2"	Remote Control Valve	34	3
		Lateral Line Losses(10%)		2
		Other Losses (10%)		2
1	2"	Elevation Loss or Gain GAIN		1
		Total		19

PRESSURE (PSI)

Pressure Required to Operate Irrigation Head	50
Sub-Total Pressure Required for Irrigation System	69
Total Pressure Required for Irrigation System (Sub-Total Pressure + 25%)	86.25
Static Pressure Available	120
Residual Pressure (Subtract Total Pressure from Static Pressure)	33.75

IRRIGATION LEGEND

SYMBOL (F H Q A)	RAD	MANF.	MODEL NO. WITH NOZZLE SIZE & TYPE
○ ○	8-14'	RainBird	R-VAN 14 adjustable on RD-06-S-P45-NP
●	-	RainBird	RWS-B-C-1402 (.50 GPM) w/ RWS-GRATE-P
○	-	RainBird	1402 on RD04-S-P30-NP w/ PA-80
■	-	RainBird	1401 on RD04-S-P30-NP w/ PA-80
◓	-	RainBird	5-CST-B on RD06-S-P30-NP w/ PA-80
(2)	39'	RainBird	5006-+-SAM-R-NP-SS with 3.0 nozzle
(2)	39'	RainBird	5006-+-SAM-R-NP-SS with 3.0 nozzle
(2)	39'	RainBird	5006-+-SAM-R-NP-SS with 3.0 nozzle
		RainBird	Irrigation Dripline (Shrub) - XFS-P-06-18
		RainBird	Irrigation Dripline (Turf) - XFS-P-06-12
▶▮		Netafim	TLSOV - Manual Flush Valve
⌇		RainBird	Drip Connector
⬣		RainBird	OPERIND
RW	-		2" Reclaimed Water Meter Per Civil
▩		RainBird	IMB-S3 - Basket Strainer
◥		RainBird	100-ASVF - 1" Backflow Preventer
▶◀		Nibco	T-111 Gate Valve
MV		RainBird	300BPE Normally Closed- 3" Master Valve
FS		RainBird	FS-200-P Flow Sensor
◐		RainBird	33-DNP - 3/4" Quick Coupler Valve
◔		RainBird	EFB-CP-PRS-D - Remote Control Valve
●		RainBird	XCZ-PRB-100-COM - up to 25 GPM XCZ-PRB-150-COM - up to 35 GPM
A		RainBird	ESP-LXME-FS-MP - Controller
			Existing Reclaimed Water Mainline
			Reclaimed Water Mainline
			Lateral Line
			PVC Sleeves

DESCRIPTION	PSI	FLOW RATE IN GPM F	H	Q	A (ø/#)	DETAIL
Pop-Up Turf Rotary Nozzle	40	-	.42	.23	-	J/L2.51
Bubbler in Sleeve with Purple Grate Cap	30	.50	-	-	-	K/L2.51
Flood Bubbler on 4" pop-up Spray Head	30	.50	-	-	-	J/L2.51
Flood Bubbler on 4" pop-up Spray Head	30	.25	-	-	-	J/L2.51
Stream Bubbler on 6" pop-up Spray Head	30	.38	-	-	-	J/L2.51
6" Pop-Up Rotor w/ Stainless Steel Riser	50	5.8				J/L2.51
6" Pop-Up Rotor w/ Stainless Steel Riser	50	-	2.8	-	-	J/L2.51
6" Pop-Up Rotor w/ Stainless Steel Riser	50	-	-	1.2	-	J/L2.51
Space lateral rows at 18". Dripper spacing at 18". Install 3" min - 6" max below grade per specifications. Application rate: 0.43 in/hr. Time to apply 1/4": 36 minutes.	30	0.6 GPH Flow Rate				M,N/L2.51
Space lateral rows at 12". Dripper spacing at 12". Install on top of soil per manufacturer's specifications. Application rate: 0.64 in/hr. Time to apply 1/4": 24 minutes.	30	0.6 GPH Flow Rate				M,N/L2.51
Install per manufacturers specifications.						L/L2.51
						-
Install per manufacturers specifications.						-
See the civil engineers plans for additional information						B/L2.52
For reclaimed water service - size per plan. Install in purple Carson Valve Box						-
Verify location in field prior to installation. Install within Strong Box SBBC-45SS Stainless Steel Enclosure per detail.						A/L2.52
For mainline sizes 3" and larger, use Nibco F-619-SON, epoxy coated. Assemble with stainless steel hardware. Install in a 10" round valve box.						I/L2.51
Master Valve to be installed in rectangle valve box adjacent to flow sensor.						A/L2.51
Size per plan. Install per detail. See irrigation construction notes for additional information and model numbers.						B/L2.51
Quick coupler valve with purple locking rubber cover. Install in purple round Carson Valve Box per detail.						H/L2.51
Remote control valve, angle flow pattern, purple colored flow control handle, size per plan. Install in purple rectangle Carson Valve Box.						F/L2.51
Remote control valve kit with pressure regulating basket filter. Install in purple rectangle Carson Valve Box per detail.						G/L2.51
Irrigation controller assembly with flow sensing and ET capability located per irrigation plans. See irrigation construction notes for more information.						D/L2.51
Protect in place.						-
Irrigation Mainline - Use purple pipe for all irrigation piping. PVC SCH. 40 IPS for mainline sizes 1" to 2" PVC Class 315 IPS for mainline sizes 2" and greater. Sleeve mainline per notes and details.						C.E/L2.51
Lateral Pipe - Use purple pipe for all irrigation piping. Minimum pipe size shall be 3/4" - size laterals per plan. PVC SCH. 40 IPS for sizes 3/4" to 2 1/2" PVC Class 315 IPS for sizes 3" and larger						C.E/L2.51
PVC SCH. 40 IPS purple pipe - sleeves shall be installed for any mainline, lateral, or wires crossing under hardscape per irrigation construction notes. Size to be two times the pipe diameter or wire bundle.						E/L2.51

IRRIGATION VALVE CALLOUT:

Station No.
GPM
X-X
Plant Type
Valve Size

LATERAL LINE SIZING CHART

3/4"	
1"	
1 1/4"	
1 1/2"	
2"	
2 1/2"	
3"	

NOTE: THE LATERAL SIZE BETWEEN TWO IDENTICAL TICK MARKS SHALL BE SIZED THE SAME. MINIMUM PIPE SIZE IS 3/4"

PLANT MATERIAL ABBREVIATIONS:

Plant Type:
TF Turf
SB Shrub / Ground Cover
TR Trees
PT Pots

Hydrozone:
H High
M Medium
L Low

DOMESTIC WATER POINT OF CONNECTION EQUIPMENT SIZES:

P.O.C. #

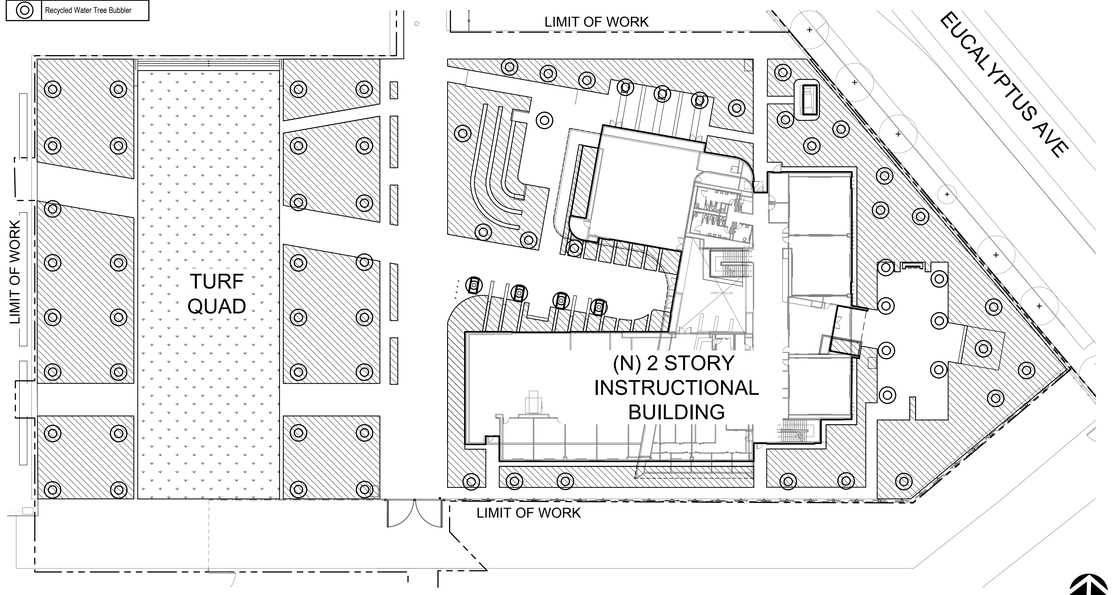
WM	BF	MV	FS
XX	XX	XX	XX

CONTROLLER X
DOMESTIC WATER METER LOCATION SEE IRRIGATION CONSTRUCTION NOTE # 1 ON SHEET L2.XX

POC = WATER METER
WM = WATER METER
BF = BACK FLOW
MV = MASTER VALVE
FS = FLOW SENSOR

HYDROZONE LEGEND

	Recycled Water Drip Irrigation
~ ~	Recycled Water Spray Irrigation
◎	Recycled Water Tree Bubbler



A Hydrozone Plan
Scale: 1/32" = 1'-0"

AGENCY APPROVAL:

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Chaffey College

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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CONSULTANT

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FACILITY:
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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
IRRIGATION SCHEDULE, NOTES & HYDROZONE PLAN

DSA APPROVAL

FILE NO.: 36-C1 A# : 04-119722
DATE: 08.05.2021 CLIENT PROJ NO:
SHEET:

L2.00

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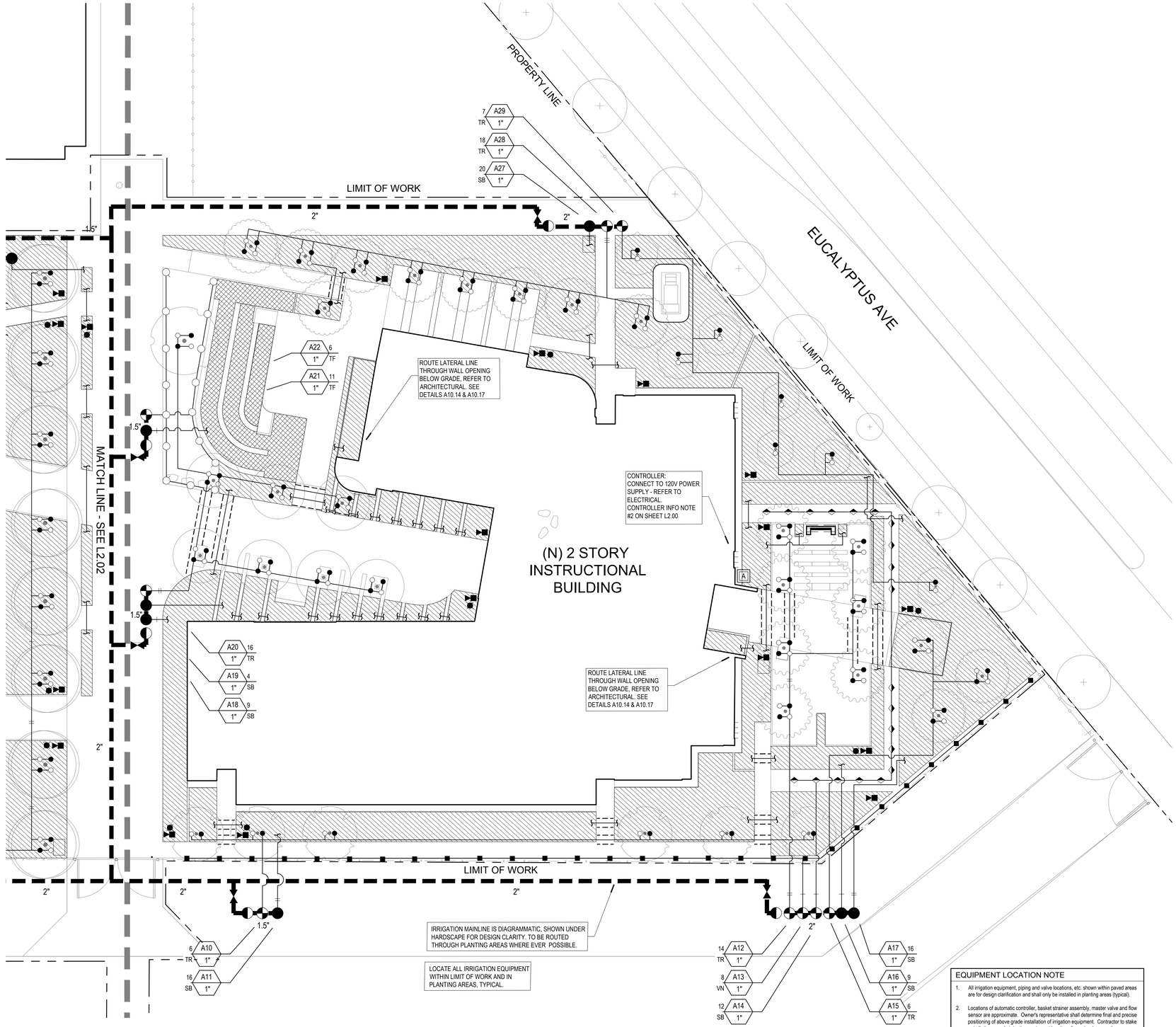
HYDROZONE PLAN & IRRIGATION SCHEDULE

PLEASE RECYCLE



IRRIGATION LEGEND

SYMBOL (F H Q A)	RAD.	MANF.	MODEL NO. WITH NOZZLE SIZE & TYPE
○ ○	8-14'	RainBird	R-VAN 14 adjustable on RD-06-S-P45-NP
●	-	RainBird	RWS-B-C-1402 (.50 GPM) w/ RWS-GRATE-P
○	-	RainBird	1402 on RD04-S-P30-NP w/ PA-80
■	-	RainBird	1401 on RD04-S-P30-NP w/ PA-80
◆	-	RainBird	5-CST-B on RD06-S-P30-NP w/ PA-80
2	39'	RainBird	5006-+-SAM-R-NP-SS with 3.0 nozzle
2	39'	RainBird	5006-+-SAM-R-NP-SS with 3.0 nozzle
2	39'	RainBird	5006-+-SAM-R-NP-SS with 3.0 nozzle
		RainBird	Irrigation Dripline (Shrub) - XFS-P-06-18
		RainBird	Irrigation Dripline (Turf) - XFS-P-06-12
▶◀		Netafim	TLSOV - Manual Flush Valve
		RainBird	Drip Connector
		RainBird	OPERIND
RW		-	2" Reclaimed Water Meter Per Civil
		RainBird	IMB-S3 - Basket Strainer
		RainBird	100-ASVF - 1" Backflow Preventer
		Nibco	T-111 Gate Valve
MV		RainBird	300BPE Normally Closed- 3" Master Valve
FS		RainBird	FS-200-P Flow Sensor
		RainBird	33-DNP - 3/4" Quick Coupler Valve
		RainBird	EFB-CP-PRS-D - Remote Control Valve
●		RainBird	XCZ-PRB-100-COM - up to 25 GPM XCZ-PRB-150-COM - up to 35 GPM
A		RainBird	ESP-LXME-FS-MP - Controller
			Existing Reclaimed Water Mainline
			Reclaimed Water Mainline
			Lateral Line
			PVC Sleeves

IRRIGATION VALVE CALLOUT:

Station No.
GPM
Plant Type
Valve Size

LATERAL LINE SIZING CHART

3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"

NOTE: THE LATERAL SIZE BETWEEN TWO IDENTICAL TICK MARKS SHALL BE SIZED THE SAME. MINIMUM PIPE SIZE IS 3/4".

CONTROL WIRE CONDUIT SIZING CHART

SLEEVE SIZE	2" MIN.	2-1/2"	3"	4"
WIRES IN SLEEVE	0-16	17-24	25-40	41-48

IRRIGATION SLEEVE SIZING CHART

PIPE SIZE	3/4"	1"	1-1/4	1-1/2"	2"	2-1/2"	3"
SLEEVE SIZE	3"	3"	3"	4"	4"	4"	6"

IRRIGATION SLEEVE AND CONDUIT NOTES

1. Sleeves are required for all irrigation pipe and control wire conduit under paving (typical). Refer to Irrigation Sleeve Sizes and Control Wire Conduit Charts for appropriate sleeve and conduit sizing.
2. For drawing clarity, not all irrigation sleeves are sized but shall be installed and included. Also, for drawing clarity, not all conduits and irrigation sleeves are shown. Contractor is responsible for installation for sleeves and conduits of appropriate size under all paved areas as well as all sleeve pipes and conduits that are shown on the drawings.
3. The irrigation contractor shall be responsible for familiarizing themselves with all differences in grade, location of seatwalls, location of retaining walls, etc. The contractor shall be responsible for coordinating all irrigation work with the general contractor, electrical contractor, and all other subcontractors for the location and the installation of irrigation related sleeves through walls, structures, under roadways, paving, etc.

DRAWING NOTE

The irrigation design presented in these documents is intended to be diagrammatic. All irrigation equipment, piping and valve locations, etc. shown within paved areas are for design clarification and shall only be installed in planting areas. Irrigation Contractor shall install all remote control valves, quick couplers, and gate valves, in shrub planting areas or as approved by owner's representative & the landscape irrigation designer. Avoid any conflicts between the sprinkler system, planting and architectural features.

EQUIPMENT LOCATION NOTE

1. All irrigation equipment, piping and valve locations, etc. shown within paved areas are for design clarification and shall only be installed in planting areas (typical).
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REFER TO SHEET L2.00 FOR IRRIGATION SCHEDULES AND NOTES

0 4 8 16 32 Feet
Scale: 1/16" = 1'-0"

IRRIGATION PLAN

AGENCY APPROVAL:

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CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
IRRIGATION PLAN

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

L2.01

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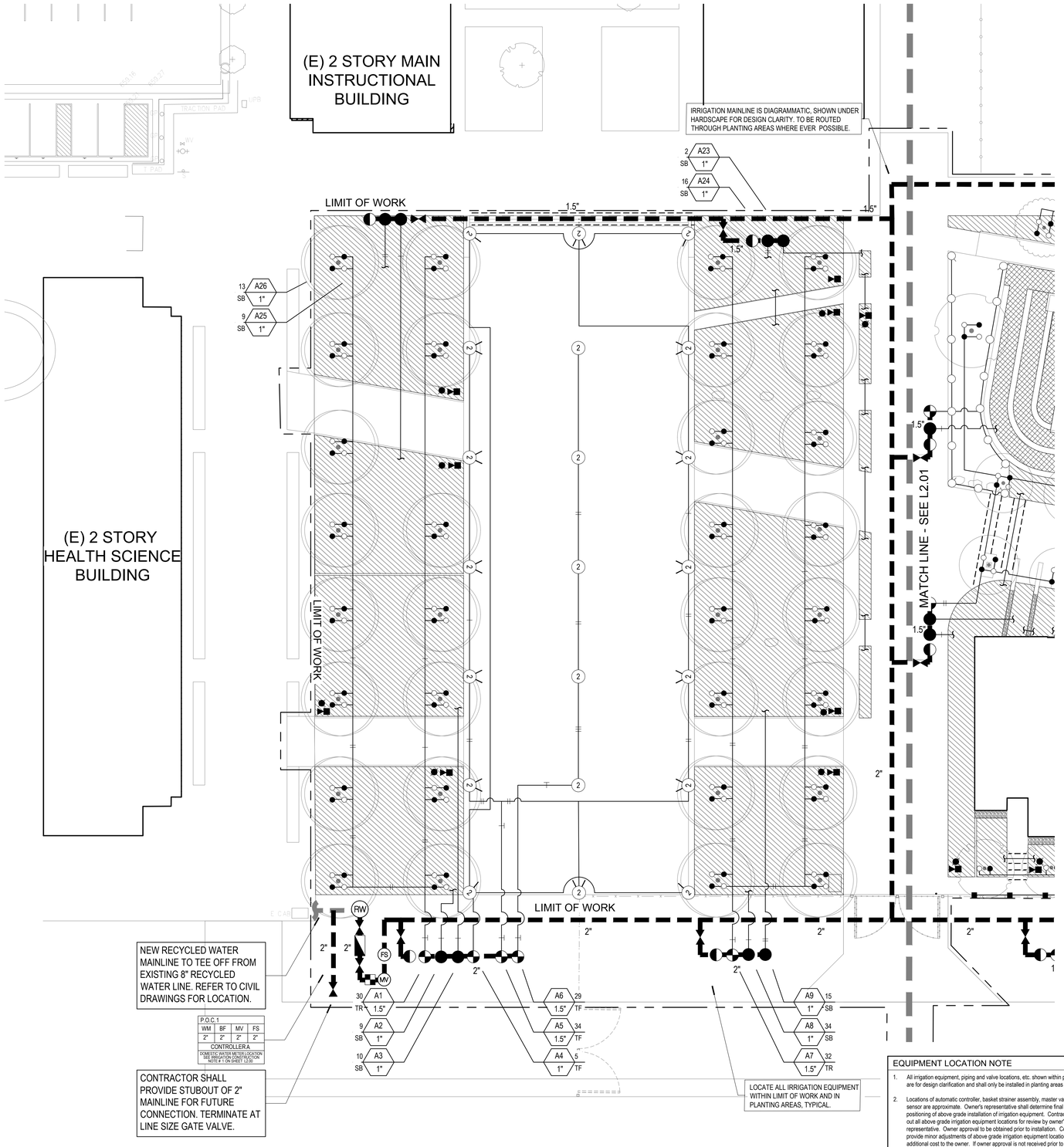

IRRIGATION LEGEND

SYMBOL (F H Q A)	RAD.	MANF.	MODEL NO. WITH NOZZLE SIZE & TYPE
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■	-	RainBird	1401 on RD04-S-P30-NP w/ PA-80
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		Netafim	TLSOV - Manual Flush Valve
		RainBird	Drip Connector
		RainBird	OPERIND
RW		-	2" Reclaimed Water Meter Per Civil
		RainBird	IMB-S3 - Basket Strainer
		RainBird	100-ASVF - 1" Backflow Preventer
		Nibco	T-111 Gate Valve
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A		RainBird	ESP-LXME-FS-MP - Controller
			Existing Reclaimed Water Mainline
			Reclaimed Water Mainline
			Lateral Line
			PVC Sleeves

IRRIGATION VALVE CALLOUT:

X-X Station No. / GPM
X Plant Type
X Valve Size

LATERAL LINE SIZING CHART

3/4"	
1"	
1 1/4"	
1 1/2"	
2"	
2 1/2"	
3"	

NOTE: THE LATERAL SIZE BETWEEN TWO IDENTICAL TICK MARKS SHALL BE SIZED THE SAME. MINIMUM PIPE SIZE IS 3/4".

CONTROL WIRE CONDUIT SIZING CHART

SLEEVE SIZE	2" MIN.	2-1/2"	3"	4"
WIRES IN SLEEVE	0-16	17-24	25-40	41-48

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SLEEVE SIZE	3"	3"	3"	4"	4"	4"	6"

IRRIGATION SLEEVE AND CONDUIT NOTES

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EQUIPMENT LOCATION NOTE

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REFER TO SHEET L2.00 FOR IRRIGATION SCHEDULES AND NOTES

0 4 8 16 32 Feet
Scale: 1/16" = 1'-0"

IRRIGATION PLAN

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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KEYNOTES

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FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

IRRIGATION PLAN

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

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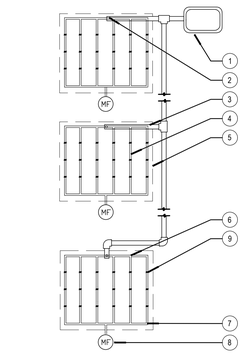
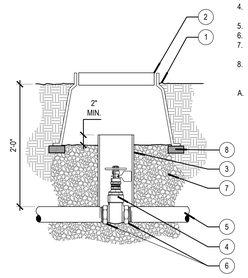


1. REMOTE CONTROL VALVE WITH DISC FILTER AND PRESSURE REGULATING VALVE
2. DRIP TUBING START CONNECTION MALE ADAPTER
3. PVC OR POLY SUPPLY HEADER
4. DRIP TUBING. SEE LEGEND FOR EMITTER AND LATERAL LINE SPACING
5. ISLAND PERIMETER
6. DRIP TUBING TEE
7. DRIP TUBING ELL
8. MANUAL FLUSH VALVE PLUMBED TO DRIP TUBING
9. DRIPLINE STAPLES @ 10' O.C.

M **Dripline Island Layout**
Scale: NTS

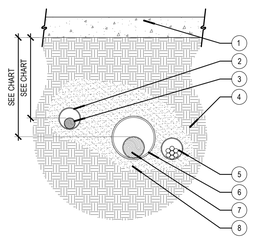


1. FINISH GRADE
   - 1/2" FROM TOP OF BOX LID IN TURF
   - 1 1/2" FROM TOP OF BOX LID IN SHRUB/GC
2. ROUND, PLASTIC VALVE BOX WITH LOCKING COVER SHALL BE BRANDED "GV" - REFER TO IRRIGATION LEGEND
3. 6" Ø PVC PIPE EXTENSION - LENGTH AS REQUIRED
4. GATE VALVE - REFER TO IRRIGATION LEGEND FOR SPECS.
5. PVC MAINLINE - REFER TO IRRIGATION LEGEND
6. PVC MALE ADAPTER - TWO (2) REQUIRED
7. PEA GRAVEL - TWO (2) CUBIC FEET AT BASE OF VALVE
8. BRICK (1 OF 4)

NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE

I **Gate Valve**
Scale: 1"=1'-0"

LINE TYPE	LOCATION	DEPTH
PRESSURIZED MAINLINE	IN LANDSCAPE	24"
	UNDER VEH. PAVING	36"
LATERAL LINES	IN LANDSCAPE	18"
	UNDER VEH. PAVING	30"

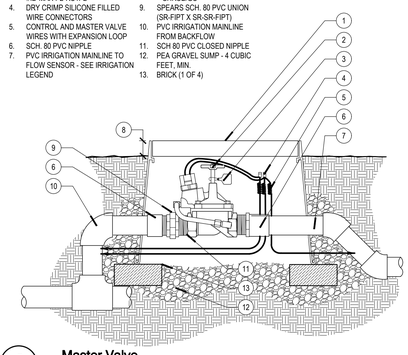


1. VEHICULAR or PEDESTRIAN PAVING - REFER TO CONSTRUCTION LAYOUT PLANS FOR SPECIFIC CONDITION
2. LATERAL LINE SLEEVING SHALL BE SCH. 40 PVC - SLEEVE DIA. SHALL BE 2 x LATERAL DIA.
3. LATERAL LINE - REFER TO SPECIFICATIONS
4. BACKFILL - 90% RELATIVE COMPACTION, MINIMUM - REFER TO GEOTECHNICAL REPORT
5. CONTROL WIRE BUNDLE SLEEVING SHALL BE SCH. 40 PVC PIPE
6. MAINLINE SLEEVING SHALL BE SCH. 40 PVC PIPE - SLEEVE DIA. SHALL BE 2 x MAINLINE DIA.
7. MAINLINE - REFER TO SPECIFICATIONS
8. SAND BACKFILL - 6" BASE & 6" OF COVER, MIN.

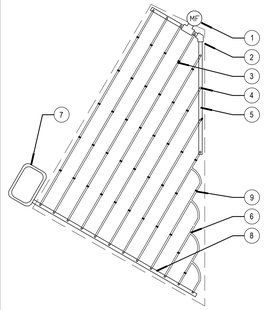
NOTES:
A. ALL IRRIGATION WIRES, LATERALS AND MAINLINE UNDER HARDSCAPE SHALL BE PLACED IN SLEEVES
B. IRRIGATION CONTRACTOR SHALL COORDINATE ALL SLEEVING LOCATIONS & SIZES WITH HARDSCAPE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION
C. ALL SLEEVES SHALL EXTEND A MINIMUM OF 12" BEYOND THE EDGE OF THE HARDSCAPE SURFACE

E **Irrigation Sleeving**
Scale: 1"=1'-0"

1. PLASTIC VALVE BOX
2. MASTER VALVE PER LEGEND
3. CHRISTY'S TAG #ID-MAX-P2-RC1P2
4. DRY CRIMP SILICONE FILLED WIRE CONNECTORS
5. CONTROL AND MASTER VALVE WIRES WITH EXPANSION LOOP
6. SCH. 80 PVC NIPPLE
7. PVC IRRIGATION MAINLINE TO FLOW SENSOR - SEE IRRIGATION LEGEND
8. FINISH GRADE
   - ¾" BELOW BOX LID IN TURF
   - 1" BELOW BOX LID IN SHRUB/GC
9. SPEARS SCH. 80 PVC UNION (SR-FIPT X SR-SR-FIPT)
10. PVC IRRIGATION MAINLINE FROM BACKFLOW
11. SCH 80 PVC CLOSED NIPPLE
12. PEA GRAVEL SUMP - 4 CUBIC FEET, MIN.
13. BRICK (1 OF 4)

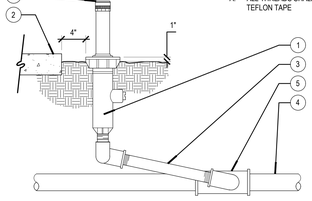


A **Master Valve**
Scale: 3"=1'-0"



1. MANUAL FLUSH VALVE PLUMBED TO PVC OR POLY
2. AREA PERIMETER
3. DRIP TUBING. SEE LEGEND FOR EMITTER AND LATERAL LINE SPACING
4. DRIP TUBING START CONNECTION MALE ADAPTER
5. PVC OR POLY EXHAUST HEADER
6. DRIP TUBING TEE
7. REMOTE CONTROL VALVE WITH DISC FILTER AND PRESSURE REGULATING VALVE
8. PVC OR POLY SUPPLY HEADER
9. DRIPLINE STAPLES @ 10' O.C.

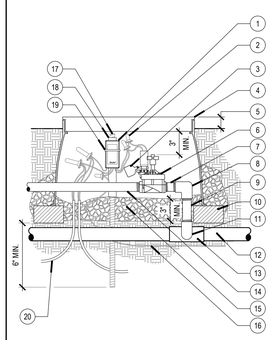
N **Dripline Layout - Irregular Areas**
Scale: NTS



1. RAINBIRD SPRAY BODY
2. PAVING EDGE, HEADER OR WALL
3. RAIN BIRD SA-SERIES SWING JOINT 12" MIN. FOR 6" POPUPS
4. PVC LATERAL LINE
5. PVC ELBOW or TEE
6. BUBBLER OR SPRAY HEAD PER PLAN

NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE

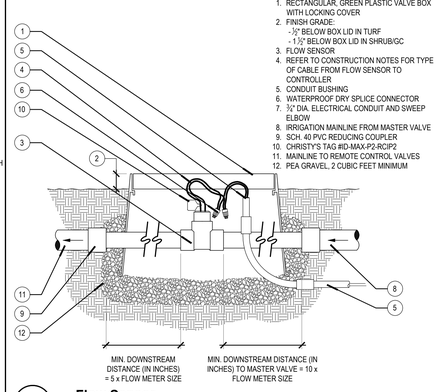
J **Popup Stream Bubbler/Spray**
Scale: 1 1/2"=1'-0"



1. DECODER PER IRRIGATION LEGEND
2. WATER PROOF CONNECTOR - REFER TO IRRIGATION SPECIFICATIONS
3. WATER & VALVE ID TAG
4. GREEN PLASTIC, RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, LID SHALL BE HEAT BRANDED WITH LETTERS "RCV" AND STATION NUMBER - REFER TO IRRIGATION SPECIFICATIONS
5. FINISH GRADE:
   - 1 1/2" FROM TOP OF BOX LID IN SHRUB/GC
6. REMOTE CONTROL VALVE - REFER TO IRRIGATION LEGEND
7. SCH. 80 PVC NIPPLE
8. SCH. 80 PVC ELL
9. SCH. 80 PVC NIPPLE - PIPE DIAMETER SHALL EQUAL LATERAL PIPE LEAVING VALVE (LENGTH AS REQUIRED)
10. SUPPORT - COMMON RED BRICK (1 OF 4)
11. SCH. 80 PVC NIPPLE (2" LENGTH, HIDDEN) AND SCH. 80 PVC ELL
12. PVC MAINLINE PIPE
13. SCH. 40 PVC TEE OR ELL
14. SCH. 80 PVC TOE NIPPLE, LENGTH AS REQUIRED - LINE SIZE SHALL BE PER VALVE SIZE
15. (3) CUBIC FEET, MIN. OF 3/4" MINUS, WASHED GRAVEL
16. TO EARTH GROUND
17. REBAR STAKE
18. 1" PVC PIPE
19. ELECTRICAL CABLE TIE
20. JACKETED ID WIRE PATH

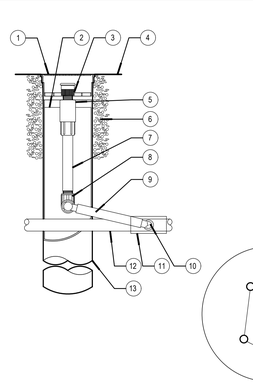
NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. VALVE BOX SHALL BE PLACED 12" MINIMUM FROM ADJACENT HARDSCAPE

F **Remote Control Valve - Mainline Sizes 3" And Smaller**
Scale: 1 1/2"-1'-0"



1. RECTANGULAR, GREEN PLASTIC VALVE BOX WITH LOCKING COVER
2. FINISH GRADE:
   - ½" BELOW BOX LID IN TURF
   - 1½" BELOW BOX LID IN SHRUB/GC
3. FLOW SENSOR
4. REFER TO CONSTRUCTION NOTES FOR TYPE OF CABLE FROM FLOW SENSOR TO CONTROLLER
5. CONDUIT BUSHING
6. WATERPROOF DRY SPLICE CONNECTOR
7. ¾" DIA. ELECTRICAL CONDUIT AND SWEEP ELBOW
8. IRRIGATION MAINLINE FROM MASTER VALVE
9. SCH. 40 PVC REDUCING COUPLER
10. CHRISTY'S TAG #ID-MAX-P2-RCIP2
11. MAINLINE TO REMOTE CONTROL VALVES
12. PEA GRAVEL, 2 CUBIC FEET MINIMUM

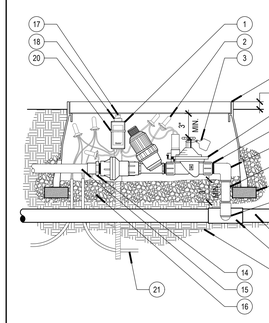
B **Flow Sensor**
Scale: 3"=1'-0"



1. 4-INCH GRATE
2. ROOT WATERING SYSTEM: RAIN BIRD RWS-BCG (INCLUDES BUBBLER, CHECK VALVE AND GRATE)
3. BUBBLER
4. FINISH GRADE
5. CHECK VALVE
6. OPTIONAL PEA GRAVEL FOR SANDY SOILS
7. 1/2-INCH PVC SCH 80 NIPPLE
8. 1/2-INCH 90-DEGREE ELBOW
9. SWING PIPE, 12-INCH SWING ASSEMBLY
10. 1/2-INCH MALE NPT INLET
11. PVC SCH 40 TEE OR EL
12. LATERAL PIPE
13. 4-INCH BASKET WEAVE CANISTER

NOTE:
1. EQ. SPACE TYP. BETWEEN TRUNK AND CANOPY EDGE

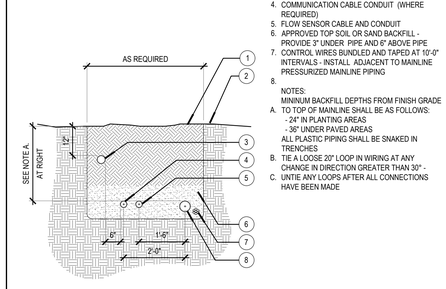
K **Root Watering System**
NTS



1. DECODER PER IRRIGATION LEGEND
2. WATER PROOF CONNECTOR
3. ID TAG
4. RECTANGULAR, PLASTIC VALVE BOX WITH LOCKING COVER - LID SHALL BE HEAT BRANDED WITH LETTERS "RCV" & STATION NUMBER FINISH GRADE:
5. - ½" FROM TOP OF BOX LID IN TURF
   - 1 ½" FROM TOP OF BOX LID IN SHRUB/GC
6. REMOTE CONTROL VALVE WITH FILTER AND PR - REFER TO IRRIGATION LEGEND
7. SCH. 80 PVC NIPPLE (CLOSE)
8. SCH. 40 PVC ELL
9. SCH. 80 PVC NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. SCH. 80 PVC NIPPLE (2" LENGTH, HIDDEN) AND SCH. 40 PVC ELL
12. PVC MAINLINE PIPE
13. SCH. 40 PVC TEE OR ELL
14. SCH. 40 PVC MALE ADAPTER
15. PVC LATERAL PIPE
16. (3) CUBIC FEET, MIN. OF ¾" MINUS, WASHED GRAVEL
17. REBAR STAKE
18. 1" SCH. 40 PIPE
19. TO EARTH GROUND
20. ELECTRICAL CABLE TIE
21. JACKETED ID WIRE PATH

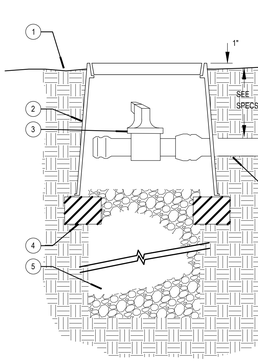
A. NOTE:
   ALL THREADS SHALL BE WRAPPED
B. WITH TEFLON TAPE
   VALVE BOX SHALL BE PLACED 12" MINIMUM FROM ADJACENT HARDSCAPE

G **Drip Remote Control Valve Box**
Scale: 1 1/2"-1'-0"



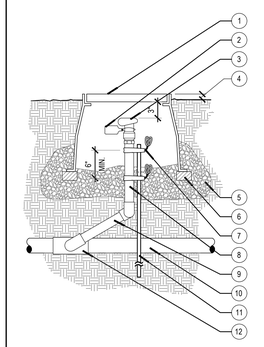
1. REFER TO IRRIGATION SPECS FOR BACKFILL AND COMPACTION REQUIREMENTS
2. FINISH GRADE
3. NON-PRESSURIZED LATERAL LINE PIPING
4. COMMUNICATION CABLE CONDUIT (WHERE REQUIRED)
5. FLOW SENSOR CABLE AND CONDUIT
6. APPROVED TOP SOIL OR SAND BACKFILL - PROVIDE 2" UNDER PIPE AND 6" ABOVE PIPE
7. CONTROL WIRES BUNDLED AND TAPED AT 10'-0" INTERVALS - INSTALL ADJACENT TO MAINLINE PRESSURIZED MAINLINE PIPING
8. NOTES:
   MINIMUM BACKFILL DEPTHS FROM FINISH GRADE
A. TO TOP OF MAINLINE SHALL BE AS FOLLOWS:
   - 24" IN PLANTING AREAS
   - 36" UNDER PAVED AREAS
   ALL PLASTIC PIPING SHALL BE SNAKED IN TRENCHES
B. TIE A LOOSE 20" LOOP IN WIRING AT ANY CHANGE IN DIRECTION GREATER THAN 30° -
C. UNTIE ANY LOOPS AFTER ALL CONNECTIONS HAVE BEEN MADE

C **Trenching Detail**
Scale: 1/2"=1'-0"



1. FINISH GRADE
2. VALVE BOX, SEE SPECS.
3. LINE FLUSHING VALVE TLSOV BY NETAFIM
4. BRICK SUPPORTS (3)
5. ¾" GRAVEL SUMP (1 CUBIC FT.)
6. 17mm PVC LATERAL (OR EXHAUST HEADER)

L **Manual Line Flushing Valve - Plumbed to PVC**
Scale: NTS



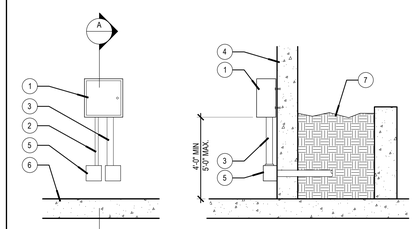
1. 10" ROUND VALVE BOX WITH BOLT DOWN COVER, HEAT BRANDED "QCV"
2. WATER ID TAG
3. QUICK COUPLER VALVE - REFER TO IRRIGATION LEGEND
4. FINISH GRADE:
   - 1/2" BELOW BOX LID IN TURF AREAS
   - 1 1/2" BELOW BOX LID IN SHRUB/GC AREAS
5. ONE (1) CU. FT. (MIN.) OF 3/4" CRUSHED ROCK AT BASE OF VALVE BOX
6. SUPPORT - COMMON RED BRICK
7. V.I.T. STAINLESS STEEL TIES - TYPICAL
8. SCH. 80 PVC NIPPLE - LENGTH AS REQUIRED
9. 1" DIA. SCH. 80 PVC SWING JOINT - PREASSEMBLED BY SPEARS
10. PVC MAINLINE
11. 1/2" DIA. x 24" LENGTH GALVANIZED PIPE STAKE
12. SCH. 80 PVC TEE FITTING

NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. 12" MIN. CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE QUICK COUPLER VALVE BOX AND ANY ADJACENT HARDSCAPE - WHERE OCCURS
C. ADD BALL VALVES ON PRIMARY SIDE. TYP. ALL QUICK COUPLERS

H **Quick Coupler Valve**
Scale: 3/4"=1'-0"

1. IRRIGATION CONTROLLER, PER PLAN. MOUNT TO WALL PER MANUF. SPECS.
2. SCH 80 PVC CONDUIT, SIZE AS REQ., TO 120V POWER SUPPLY.
3. SCH 80 PVC CONDUIT, SIZE AS REQ., FOR IRRIGATION CONTROL WIRES AND MASTER VALVE/FLOW SENSOR WIRES. PROVIDE PVC SWEEP ELL BELOW GRADE.
4. FACE OF WALL ON INSIDE OF GARAGE
5. JUNCTION BOX
6. FINISH SURFACE
7. PLANTER ON OUTSIDE

NOTES:
A. INSTALL ALL WIRING PER LOCAL CODE.
B. ALL CONDUIT ABOVE GRADE TO BE SCH 80 PVC OR RIGID GALV. STEEL.



Elevation View — Section A

D **Wall Mounted Controller**
NTS

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APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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ONTARIO, CA 91764
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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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FACILITY:

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5897 COLLEGE PARK AVE.
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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

IRRIGATION DETAILS

DSA APPROVAL

FILE NO.: 36-C1 — A# : 04-119722

DATE: 08.05.2021 — CLIENT PROJ NO:

SHEET:

L2.51

2/13/2020 3:47:43 PM

PLEASE RECYCLE

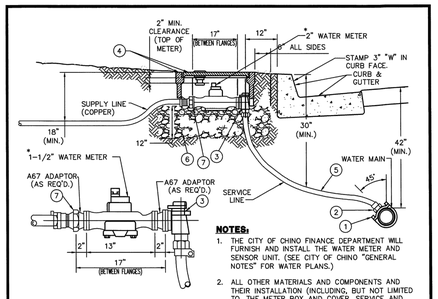
C

LETTERS: 3/4" HIGHWAY FONT & 3/4" ARIAL ITALIC FONT AS SHOWN.

APPROVED	CITY ENGINEER	DATE	CITY OF CHINO PUBLIC WORKS DEPARTMENT
		4/20/16	

DATE	REVISION	BY	STANDARD DRAWING	No.
			RECYCLED WATER SIGN	485 A

B



NOTES:

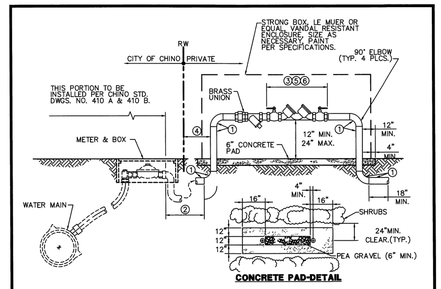
1. THE CITY OF CHINO FINANCE DEPARTMENT WILL FURNISH AND INSTALL THE WATER METER AND SENSOR UNIT. (SEE CITY OF CHINO "GENERAL NOTES" FOR WATER PLANS.)
2. ALL OTHER MATERIALS AND COMPONENTS AND THEIR INSTALLATION (INCLUDING, BUT NOT LIMITED TO, THE METER BOX AND COVER, SERVICE AND SUPPLY LINES, VALVES ADAPTORS, COUPLINGS AND FITTINGS) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELEOPER.
3. WATER METER SHALL BE CENTERED IN THE METER BOX

ITEM	DESCRIPTION	FORD	JONES	MUELLER	REMARKS
1	SERVICE SADDLE	202B	J-979	H16100	ALL SADDLES W/IP THD.
2	CORP. STOP, 2"	FB 1700	J-1935	B-25028	KEY UP OR ON SIDE
3	ANGLE METER STOP, 2"	FV43-777W	J-1975 W	B-24276	W/ELONGATED HOLE FOR 1-1/2"
4	METER BOX & COVER (AS SPECIFIED BY THE CITY ENGINEER)	– –	– –	– –	ARMOR CAST: A6001534X12 (BOX) A6001643-H9 OR (COVER) A6001643-H7
5	2" COPPER TUBE, TYPE K OR 2" CTS POLYETHELENE TUBE	– –	– –	– –	FULL LENGTH FULL LENGTH
6	1/2" CMB	–	–	–	12" BASE ALL AROUND
7	2" BRONZE METER FLANGE	7F	–	–	

APPROVED	CITY ENGINEER	DATE	CITY OF CHINO PUBLIC WORKS DEPARTMENT
		3/7/13	

DATE	REVISION	BY	STANDARD DRAWING	No.
			STANDARD WATER SERVICE 1 1/2" OR 2" METER	410 A

A



CONCRETE PAD-DETAIL

NOTES:

1. ALL PIPE AND FITTINGS SHALL BE COPPER, TYPE K, OR APPROVED EQUAL.
2. NO CONNECTION SHALL BE MADE BETWEEN THE METER AND THE BACKFLOW ASSEMBLY, UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.
3. BACKFLOW ASSEMBLY SHALL BE APPROVED BY THE U.S.C. FOUNDATION FOR CROSS CONNECTION CONTROL.
4. BACKFLOW ASSEMBLY SHALL BE INSTALLED AS CLOSE TO THE PROPERTY LINE AS POSSIBLE. OTHER LOCATIONS SHALL BE APPROVED BY THE CITY ENGINEER.
5. BACKFLOW ASSEMBLY SHALL BE INSTALLED HORIZONTAL AND LEVEL UNLESS AN ALTERNATIVE ORIENTATION IS APPROVED BY U.S.C. FOUNDATION FOR CROSS CONNECTION CONTROL.
6. BACKFLOW ASSEMBLY MAY BE LOCATED WITHIN LANDSCAPE AREAS, OR SCREENED FROM PUBLIC VIEW. LOCATION SHALL BE APPROVED BY THE CITY ENGINEER.
7. BACKFLOW PREVENTION ASSEMBLIES INSTALLED ON A RECYCLED WATER SYSTEM SHALL BE LABELED/MARKED/PAINTED PURPLE (PANTONE #512 OR APPROVED EQUAL).

APPROVED	CITY ENGINEER	DATE	CITY OF CHINO PUBLIC WORKS DEPARTMENT
		3/7/13	

DATE	REVISION	BY	STANDARD DRAWING	No.
			BACKFLOW PREVENTION ASSEMBLY DOUBLE CHECK DEVICE 2" AND SMALLER	470

NOTES:

1. SIGN MATERIAL: .063" THICK ALUMINUM (6063T-4).
2. SIGN FACE: WHITE REFLECTIVE SHEETING, 3M DIAMOND GRADE OR APPROVED EQUAL, (PER CALIFORNIA D.O.T. MAT'LS SPECIFICATIONS). WITH ANTI-GRAFFITI COATING.

   COLORS:
   - WHITE WILL BE USED FOR LETTERING AND THE PICTOGRAM BACKGROUND.
   - PURPLE (EQUAL TO SPL 71 PERMANENT VIOLET 498) WILL BE USED FOR THE GENERAL BACKGROUND
   - BLACK WILL BE USED FOR THE PICTOGRAM OUTLINE.
   - RED WILL BE USED FOR THE "PROHIBIT" SYMBOL.
3. SIGN POST INSTALLATION SHALL BE APPROVED BY THE WATER QUALITY TECHNICIAN.
4. LOCATION OF SIGNS SHALL BE APPROVED BY THE CITY ENGINEER.

APPROVED	CITY ENGINEER	DATE	CITY OF CHINO PUBLIC WORKS DEPARTMENT
		4/20/16	

DATE	REVISION	BY	STANDARD DRAWING	No.
			RECYCLED WATER SIGN	485 B

NOTES:

1. CORP. STOP SHALL BE INSTALLED WITH THE KEY TO THE SIDE ONLY.
2. THE SERVICE SADDLE SHALL BE I.P. THREAD AND INSTALLED ON ALL P.V.C., CAST OR DUCTILE IRON MAINS.
3. TAPS SHALL BE MADE NOT LESS THAN 24" FROM ANY OTHER TAP, COUPLING OR JOINT.
4. ALL FITTINGS SHALL BE COMPRESSION TYPE WITH SET SCREWS. NO FLARED FITTINGS WILL BE PERMITTED.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL THE METER BOX AND SERVICE CONNECTION TO BOTH SIDES OF THE METER. THE CONTRACTOR SHALL FURTHER INSTALL TRACING WIRE TO EVERY WATER SERVICE. THE CITY OF CHINO WILL FURNISH AND INSTALL THE METER AND SENSOR UNIT ONLY.
6. BOTH SERVICE AND CONSUMER LINES SHALL BE INSTALLED PRIOR TO SIDEWALK CONSTRUCTION.
7. SERVICE LINES SHALL NOT PASS BENEATH DRIVE APPROACHES.
8. WATER METERS SHALL BE LOCATED A MINIMUM OF 5' FROM THE PROPERTY LINE AND SHALL BE SET 9" BEHIND THE CURB, OR, WHERE THE SIDEWALK IS ADJACENT TO THE CURB, 9" BEHIND THE SIDEWALK.
9. A MINIMUM 1' PERIMETER AROUND THE THREE REMAINING SIDES SHALL BE KEPT CLEAR OF PAVING, PLANTER WALLS OR OTHER CONSTRUCTION.
10. NO DIRECT TAPS SHALL BE MADE TO MAINS.
11. SERVICE SADDLES SHALL BE BRONZE OR BRASS; FORD 202B FOR A.C. PIPE OR FORD S90 FOR P.V.C. IN HIGH CORROSIVE AREAS USE FORD FC202.
12. A 3" "W" SHALL BE STAMPED IN THE CURB FACE AT SERVICE LOCATIONS.
13. THE SERVICE LINE SHALL BE 2" TYPE K COPPER TUBING OR 2" CTS POLYETHYLENE TUBE. THE MINIMUM BEND RADIUS SHALL BE 12" OR GREATER.
14. STRICT ADHERENCE TO PROVISIONS FOR TESTING AND DISINFECTING WATER LINES SHALL BE FOLLOWED.
15. WHERE BRAND NAMES ARE CALLED OUT, EQUALS MAY BE USED WHEN APPROVED IN WRITING PRIOR TO CONSTRUCTION.
16. ALL ANGLE METER VALVES WITHIN A DEVELOPMENT (TRACT OR PHASE OF A TRACT) MUST BE ADJUSTED TO FINAL GRADE AND LOCATION (RELATIVE TO THE TOP OF THE ADJACENT CURB) WITHIN SEVEN CALENDAR DAYS OF THE INSTALLATION OF THE CURB.
17. ALL COMPONENTS AND MATERIALS SPECIFIED ON THIS STANDARD SHALL BE USED ON BOTH 1-1/2" AND 2" METER INSTALLATIONS.
18. MULTIPLE CONNECTIONS LESS THAN 18" APART SHALL BE STAGGERED.

APPROVED	CITY ENGINEER	DATE	CITY OF CHINO PUBLIC WORKS DEPARTMENT
		3/7/13	

DATE	REVISION	BY	STANDARD DRAWING	No.
			STANDARD WATER SERVICE 1 1/2" OR 2" METER (NOTES)	410 B

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

IRRIGATION DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

L2.52

PLANTING NOTES

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK. COSTS INCURRED DUE TO DAMAGE OF UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR IF VERIFICATION WAS NOT PERFORMED.
2. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH PLANTING OPERATIONS WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN PROCESS. BRING SUCH CONDITIONS IMMEDIATELY TO ATTENTION TO OWNER FOR RESOLUTION. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR COSTS INCURRED AND REQUIRED MODIFICATIONS DUE TO LACK OF PROVIDING SUCH NOTIFICATION.
3. CONTRACTOR SHALL APPLY A CONTACT HERBICIDE WHERE WEEDS ARE PRESENT PER MANUFACTURERS SPECIFICATIONS A MINIMUM OF TEN (10) DAYS PRIOR TO COMMENCEMENT OF ANY PLANTING OR IRRIGATION WORK. WEEDS SHALL BE ALLOWED TO COMPLETELY DIE BACK, INCLUDING THE ROOTS BEFORE PROCEEDING WITH WORK. REMOVE WEEDS AND GRASSES AND PROPERLY DISPOSE OF WASTE.
4. CONTRACTOR SHALL ARRANGE FOR SOILS TESTS PER MWELO REQUIREMENT. SEE SOILS MANAGEMENT REPORT NOTE BELOW. ASSUME (1) TEST SITE PER 5,000 S.F. OF LANDSCAPE AREA FOR BIDING PURPOSES. LANDSCAPE ARCHITECT SHALL SELECT LOCATION OF TEST SITES
5. SOILS REPORT SHALL BE SUBMITTED TO LANDSCAPE ARCHITECT FOR REVIEW.
6. BID PURPOSES ONLY ASSUME THE FOLLOWING SOIL PREPARATION AND BACKFILL:
   INCORPORATE THE FOLLOWING MATERIALS INTO ALL LAWN AND PLANTER AREAS PER 1,000 S.F. - MECHANICALLY ROTOTILL MATERIALS INTO AREA AT A DEPTH OF 6". HAND TILLING IS NOT ACCEPTABLE. WATER THOROUGHLY AFTER ROTOTILLING IS COMPLETE.

   3 C.Y. NITROLIZED WOOD SHAVINGS
   15 LB. COMMERCIAL FERTILIZER 15-15-15
   50 LB. AGRICULTURE GYPSUM
   10 LBS. IRON SULFATE

   BACKFILL MIX FOR ALL TREES AND SHRUBS:

   2 PARTS NATIVE ON-SITE SOIL
   1 PART NITROLIZED WOOD SHAVINGS
   1.5 LB./C.Y. COMMERCIAL FERTILIZER 15-15-15
   5 LB. /C.Y. AGRICULTURAL GYPSUM
   1 LB./C.Y. IRON SULFATE
   PLANTING TABLETS AT RATES PER MANUF. SPEC.

   ACTUAL SOILS AMENDMENTS AND BACKFILL SHALL COMPLY WITH THE SOILS MANAGEMENT REPORT.
7. SWEEP DOWN ALL WALKS AFTER AMENDMENTS AND BACKFILL PRIOR TO WATERING TO PREVENT STAINING OF PAVING.
8. ALL CLEARANCE DATA PER LOCAL JURISDICTION'S TREE PLANTING STANDARDS AND GUIDELINES.
9. INSTALL 'DEEP ROOT' (OR APPROVED EQUAL) TREE ROOT BARRIERS ON ALL TREES WITHIN 20'-0" OF SIDEWALKS OR HARD SURFACES. CHECK MANUFACTURERS CALCULATOR CHART FOR NUMBER OF PANELS FOR EACH SIZE TREE. AVAILABLE FROM: DEEP ROOT PARTNERS, LP, 345 LORTON AVENUE, SUITE 305 BURLINGAME, CA, 94010 (800)LV-ROOTS, (415) 344-1464.
10. PROVIDE PHOTOGRAPHS OF PLANT MATERIAL FOR LANDSCAPE ARCHITECT FOR INITIAL APPROVAL.
11. NO SUBSTITUTIONS FOR PLANT MATERIAL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT. DELIVERY SLIPS FOR PLANT MATERIAL SHALL BE SUBMITTED TO LANDSCAPE ARCHITECT FOR REVIEW.
12. LANDSCAPE ARCHITECT SHALL HAVE THE OPPORTUNITY TO INSPECT AND APPROVE ALL SPECIMEN AND BOX MATERIALS AT JOB SITE PRIOR TO PLANTING. ALL UNACCEPTABLE MATERIAL SHALL BE REMOVED FROM JOB SITE AND REPLACED WITH ACCEPTABLE MATERIAL AT CONTRACTOR'S EXPENSE.
13. PLANTS SHALL NOT BE PLACED WITHIN TWELVE (12) INCHES OF SPRINKLER HEADS.
14. LANDSCAPE ARCHITECT SHALL APPROVE FINAL PLACEMENT OF TREES AND SHRUBS PRIOR TO PLANTING. PERFORM THE FOLLOWING PROCEDURES BEFORE PLANTING PIT EXCAVATION:

    A. SHRUBS - PLACE ACTUAL PLANT CONTAINERS ON SITE IN PRELIMINARY LOCATIONS.
    B. TREES - FIELD MARK LOCATIONS WITH WOOD STAKES BEFORE DIGGING HOLES.CONTRACTOR SHALL
    C. GIVE AT LEAST THREE (3) BUSINESS DAYS NOTICE FOR PLANT LAYOUT APPROVAL.
15. PLANTING OF GROUNDCOVER SHALL BE CONTINUOUS UNDER ALL SHRUBS IN ALL PLANTER AREAS THROUGHOUT THE SITE UNLESS OTHERWISE INDICATED.
16. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THEFT OR DAMAGE TO PLANT MATERIAL ONCE PLANT MATERIAL IS DELIVERED TO THE JOB SITE.
17. A REPRESENTATIVE OF THE BOTANICAL NAME TAGS, FURNISHED BY THE NURSERY STOCK SUPPLIER, SHALL REMAIN ATTACHED TO THE PLANTS UNTIL FINAL INSPECTION.
18. PROVIDE SAMPLES OF DECOMPOSED GRANITE, GRAVEL, PEBBLE, OR ROCK INSTALLED PER DETAILS FOR APPROVAL BY LANDSCAPE ARCHITECT.
19. AFTER PLANTING IS COMPLETE BUT PRIOR TO INSTALLING MULCH, APPLY GRANULAR PRE-EMERGENT AT MANUFACTURER SUGGESTED RATE, RONSTAR OR SNAPSHOT OR EQUAL.
20. IN ALL SHRUB AND GROUNDCOVER AREAS APPLY 3" MIN. LAYER OF FOREST FLOOR BARK MULCH AGUINAGA GREEN, INC. OR EQUAL. CONTRACTOR SHALL SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL. DO NOT INSTALL MULCH IN AREAS OF GROUNDCOVERS THAT ARE LESS THAN 3" TALL AT MATURITY.
21. ALL AREAS SHALL BE GRADED TO SLOPE TO CATCH BASINS OR FLOW LINES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. SOIL SHALL BE 1 1/2" BELOW ADJACENT HEADERS AND PAVING IN GROUNDCOVER AREAS AND 1/2" IN TURF, AND AREAS OF GROUNDCOVERS THAT ARE LESS THAN 3" TALL AT MATURITY.
22. INSTALL JUTE NETTING ON SLOPES OF 2:1 OR STEEPER, UNLESS OTHERWISE INDICATED.
23. UPON COMPLETION OF ALL PLANTING OPERATIONS, THE PORTION OF THE PROJECT USED FOR THE APPARATUS OF THIS WORK SHALL BE CLEANED OF ALL DEBRIS, SUPERFLUOUS MATERIAL AND EQUIPMENT. ALL SUCH MATERIALS AND EQUIPMENT SHALL BE ENTIRELY REMOVED FROM THE PROJECT SITE. PAVING SHALL BE WASHED CLEAN AT THE COMPLETION OF WORK.
24. UPON COMPLETION OF PLANTING, THE CONTRACTOR SHALL ARRANGE FOR A SUBSTANTIAL COMPLETION INSPECTION BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL CORRECT ANY DISCREPANCIES FOUND PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF THE PROJECT.
25. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL PROVIDE DOCUMENTATION VERIFYING IMPLEMENTATION OF RECOMMENDATIONS FROM SOILS MANAGEMENT REPORT.
26. GUARANTEE: ALL PLANT MATERIAL SHALL BE GUARANTEED FOR REPLACEMENT AFTER FINAL INSPECTION AS FOLLOWS:
    5 GAL. AND SMALLER-90 DAYS
    15 GAL. AND LARGER-ONE YEAR
27. MAINTENANCE PERIOD: CONTRACTOR SHALL MAINTAIN GUARANTEED PLANTS FOR 90 DAYS FROM SUBSTANTIAL COMPLETION AS DEEMED BY THE LANDSCAPE ARCHITECT.
28. REPLACE OR REPAIR EXISTING MATERIALS THAT ARE DAMAGED BY CONTRACTOR DURING PLANTING OPERATIONS.
29. UPON FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER SIGNED ORIGINALS OF ALL MATERIALS AND LABOR RELEASES.
30. PLANT QUANTITIES IN LEGEND ARE FOR REFERENCE ONLY, CONTRACTOR TO PROVIDE AND INSTALL ALL PLANT MATERIAL SHOWN ON PLANS.

SOIL MANAGEMENT REPORT NOTES

1. AFTER MASS GRADING IS COMPLETE, CONTRACTOR SHALL SUBMIT SOIL SAMPLES TO A CERTIFIED LABORATORY FOR ANALYSIS AND RECOMMENDATIONS.
2. SOIL ANALYSIS SHALL INCLUDE:
   A. SOIL TEXTURE
   B. INDICATE INFILTRATION RATE
   C. INDICATE pH
   D. TOTAL SOLUBLE SALTS
   E. SODIUM
   F. PERCENT ORGANIC MATTER
   G. RECOMMENDATIONS
3. SUBMIT ANALYSIS REPORT TO LANDSCAPE ARCHITECT FOR REVIEW OF PLANTING AND IRRIGATION PLANS.
4. CONTRACTOR SHALL PROVIDE DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATION TO THE PROJECT APPLICANT TO SUBMIT TO THE LOCAL AGENCY AS PART OF THE CERTIFICATE OF COMPLETION.

PLANTING LEGEND: Trees

SYMBOL	NAME	SIZE	QTY	WATER REQ.	DETAIL
	AESCULUS CALIFORNICA CALIFORNIA BUCKEYE	24" BOX	4	LOW	C / L3.51
	BRACHYCHITON POPULNEUS KURRAJONG	48" BOX	7	LOW	C / L3.51
	JUGLANS CALIFORNICA VAR . CALIFORNICA/ SOUTHERN CALIFORNIA BLACK WALNUT	24" BOX	3	LOW	C / L3.51
	LAGERSTROEMIA 'NATCHEZ' NATCHEZ CRAPE MYRTLE	36" BOX	6	MOD	C / L3.51
	MELALEUCA QUINQUENERVIA CAJEPUT TREE	48" BOX	7	MOD	C / L3.51
	PODOCARPUS GRACILIOR FERN PINE	24" BOX	21	MOD	C / L3.51
	QUERCUS AGRIFOLIA COAST LIVE OAK	48" BOX 60" BOX	11 1	LOW	C / L3.51
	QUERCUS LOBATA VALLEY OAK	48" BOX	31	MOD	C / L3.51
	TIPUANA TIPU TIPU TREE	60" BOX	1	MOD	C / L3.51

PLANTING LEGEND: Shrubs & Vine

SYMBOL	NAME	SIZE	QTY	WATER REQ.	DETAIL
	ASPARGUS DENSIFLORUS 'MYERS' ASPARAGUS FERN	5 GAL @ 3' O.C.	195	MOD	A / L3.51
	BACCHARIS PILULARIS 'PIGEON POINT' PIGEON POINT COYOTE BRUSH	1 GAL @ 4' O.C.	467	LOW	A / L3.51
	CHONDROPETALUM TECTORUM SMALL CAPE RUSH	1 GAL @ 4' O.C.	68	MOD	A / L3.51
	DASYLIRION LONGISSIMUM MEXICAN GRASS TREE	15 GAL @ 5' O.C.	7	LOW	A / L3.51
	DENDROMECON HARFORDII ISLAND BUSH POPPY	15 GAL PER PLAN	7	LOW	A / L3.51
	DISTICTIS BUCCINATORIA RED TRUMPET VINE	5 GAL @ 12' O.C.	29	MOD	A / L3.51
	ECHIUM CANDICANS PRIDE OF MADEIRA	1 GAL @ 4' O.C.	54	LOW	A / L3.51
	ENCELIA FARINOSA BRITTLE BUSH	1 GAL @ 30" O.C.	23	VERY LOW	A / L3.51
	ERIOGONUM CINEREUM ASHY LEAF BUCKWHEAT	5 GAL @ 30" O.C.	49	LOW	A / L3.51
	ERIOGONUM FASCICULATUM CALIFORNIA BUCKWHEAT	1 GAL @ 3' O.C.	387	LOW	A / L3.51
	ERIOGONUM GIGANTEUM SAINT CHATHERINE'S LACE	5 GAL @ 48" O.C.	33	LOW	A / L3.51
	GALVEZIA SPECIOSA 'BOCAROSA' BOCAROSA ISLAND SNAPDRAGON	1 GAL @ 3' O.C.	147	LOW	A / L3.51
	LOBELIA LAXIFLORA MEXICAN LOBELIA	1 GAL @ 4' O.C.	72	LOW	A / L3.51
	LOMANDRA LONGIFOLIA BREEZE BREEZE MAT RUSH	1 GAL @ 36" O.C.	62	MOD	A / L3.51
	LOMANDRA LONGIFOLIA NYALLA NYALLA MAT RUSH	1 GAL @ 36" O.C.	53	MOD	A / L3.51
	LOMANDRA LIME TUFF LIME TUFF MAT RUSH	1 GAL @ 30" O.C.	45	MOD	A / L3.51
	RHAMNUS C. 'MOUND SAN BRUNO' MOUND SAN BRUNO COFFEEBERRY	5 GAL @ 36" O.C.	74	LOW	A / L3.51
	ROMNEYA COULTERI CALIFORNIA TREE POPPY	1 GAL @ 4' O.C.	23	VERY LOW	A / L3.51
	SALVIA 'BEE'S BLISS' BEE'S BLISS SAGE	1 GAL @ 4' O.C.	161	LOW	A / L3.51
	SALVIA 'MRS. BEARD' MRS. BEARD CREEPING SAGE	1 GAL @ 4' O.C.	131	LOW	A / L3.51
	SALVIA APIANA WHITE SAGE	1 GAL @ 36" O.C.	36	LOW	A / L3.51
	SALVIA MEXICANA 'LIMELIGHT' LIMELIGHT MEXICAN SAGE	5 GAL @ 36" O.C.	51	LOW	A / L3.51
	SALVIA MELLIFERA 'CALAMITY JANE' CALAMITY JANE BLACK SAGE	5 GAL @ 48" O.C.	77	LOW	A / L3.51
	SENNA ARTEMISIOIDES FEATHERY CASSIA	5 GAL @ 48" O.C.	27	LOW	A / L3.51

PLANTING LEGEND: Turf and Groundcover

SYMBOL	NAME	SIZE	QTY	WATER REQ.	DETAIL
	BULLSEYE BERMUDA GRASS	SOD	19,283 s.f.	HIGH	-
	ACHILLEA MILLEFOLIUM YARROW	1 GAL @ 24" O.C.	1,117 s.f.	LOW	D/ L3.51
	CAREX DIVULSA EUROPEAN GREY SEDGE	1 GAL @ 18" O.C.	4,414 s.f.	LOW	D/ L3.51
	CAREX PRAEGRACILIS CALIFORNIA FIELD SEDGE	1 GAL @ 18" O.C.	263 s.f.	LOW	D/ L3.51
	DIANELLA BLUTOPIA BLUTOPIA FLAX LILY	1 GAL @ 18" O.C.	298 s.f.	MOD	D/ L3.51
	JUNCUS PATENS CALIFORNIA GREY RUSH	1 GAL @ 2' O.C.	780 s.f.	LOW	D/ L3.51
	JUNCUS PATENS 'ELK BLUE' ELK BLUE CALIFORNIA GREY RUSH	1 GAL @ 2' O.C.	896 s.f.	LOW	D/ L3.51

PLANTING LEGEND: Gravel

SYMBOL	NAME	SIZE	NOTES	DETAIL
	CRUSHED GRAVEL, BLUESTONE	¾"	ANGULAR, NOT ROUNDED	G, H / L3.51
	CRUSHED GRAVEL, PEWTER GRAY	¾"	ANGULAR, NOT ROUNDED	G, H, I / L3.51
	BLASTED GRANITE BOULDERS TOTAL QTY: 12. SW BOULDER & STONE	3 @ 3' LONG; 3 @ 4' LONG; 3 @ 5' LONG		-

PLANTING SCHEDULE AND NOTES

PLEASE RECYCLE

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AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

EPTDESIGN
844 EAST GREEN STREET, SUITE 201
PASADENA, CA 91101
626.795.2008
EPTDESIGN.COM

FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

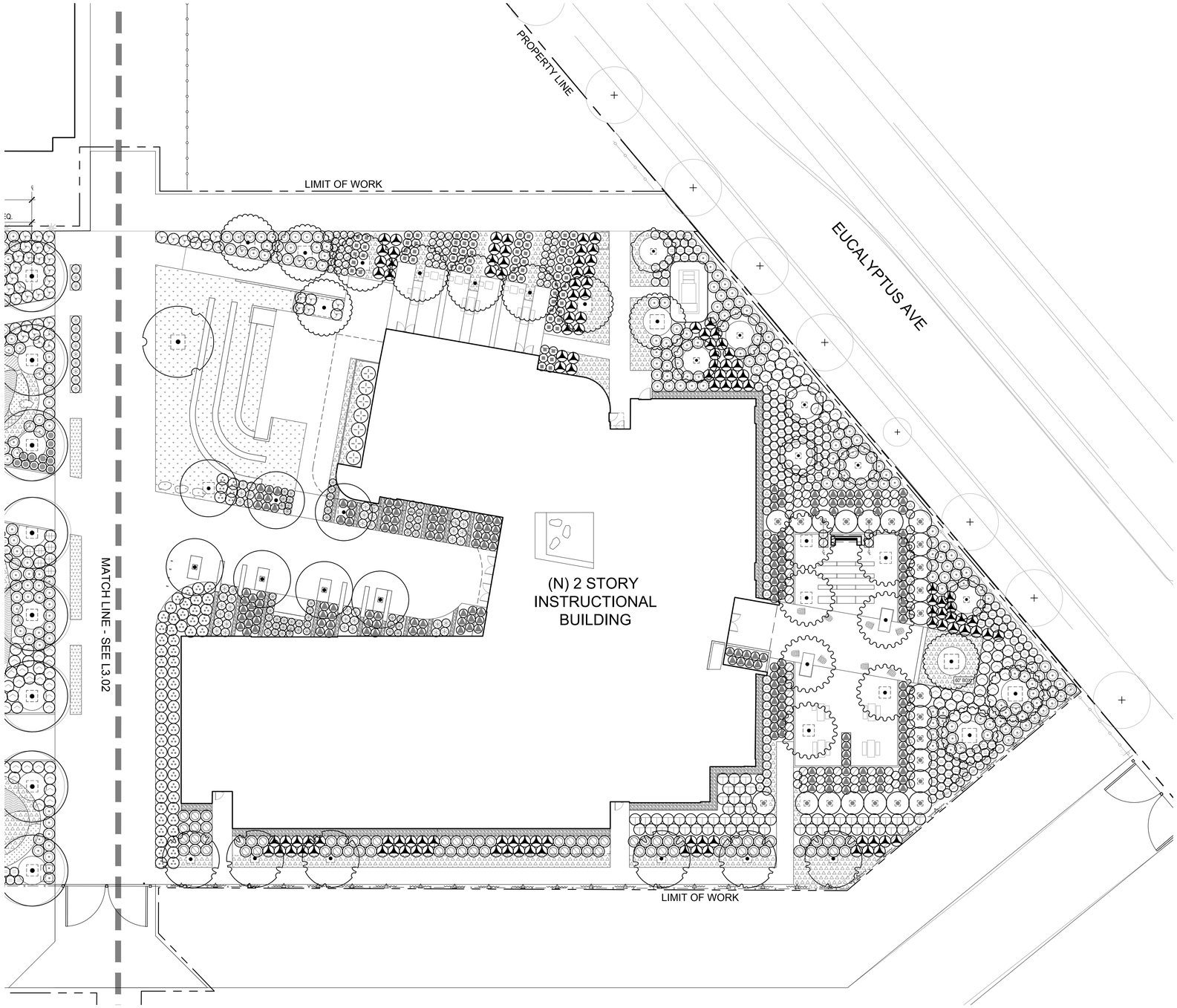
SHEET NAME:
PLANTING SCHEDULE AND NOTES

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

L3.00



PLANTING LEGEND: Trees

SYMBOL	NAME	SIZE	QTY	WATER REQ.	DETAIL
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	BRACHYCHITON POPULNEUS KURRAJONG	48" BOX	7	LOW	C / L3.51
	JUGLANS CALIFORNICA VAR . CALIFORNICA/ SOUTHERN CALIFORNIA BLACK WALNUT	24" BOX	3	LOW	C / L3.51
	LAGERSTROEMIA 'NATCHEZ' NATCHEZ CRAPE MYRTLE	36" BOX	6	MOD	C / L3.51
	MELALEUCA QUINQUENERVIA CAJEPUT TREE	48" BOX	7	MOD	C / L3.51
	PODOCARPUS GRACILIOR FERN PINE	24" BOX	21	MOD	C / L3.51
	QUERCUS AGRIFOLIA COAST LIVE OAK	48" BOX	11	LOW	C / L3.51
		60" BOX	1		
	QUERCUS LOBATA VALLEY OAK	48" BOX	31	MOD	C / L3.51
	TIPUANA TIPU TIPU TREE	60" BOX	1	MOD	C / L3.51

PLANTING LEGEND: Shrubs & Vine

SYMBOL	NAME	SIZE	QTY	WATER REQ.	DETAIL
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	CHONDROPETALUM TECTORUM SMALL CAPE RUSH	1 GAL @ 4' O.C.	68	MOD	A / L3.51
	DASYLIRION LONGISSIMUM MEXICAN GRASS TREE	15 GAL @ 5' O.C.	7	LOW	A / L3.51
	DENDROMECON HARFORDII ISLAND BUSH POPPY	15 GAL PER PLAN	7	LOW	A / L3.51
	DISTICTIS BUCCINATORIA RED TRUMPET VINE	5 GAL @ 12' O.C.	29	MOD	A / L3.51
	ECHIUM CANDICANS PRIDE OF MADEIRA	1 GAL @ 4' O.C.	54	LOW	A / L3.51
	ENCELIA FARINOSA BRITTLE BUSH	1 GAL @ 30" O.C.	23	VERY LOW	A / L3.51
	ERIOGONUM CINEREUM ASHY LEAF BUCKWHEAT	5 GAL @ 30" O.C.	49	LOW	A / L3.51
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	LOMANDRA LIME TUFF LIME TUFF MAT RUSH	1 GAL @ 30" O.C.	45	MOD	A / L3.51
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	SALVIA APIANA WHITE SAGE	1 GAL @ 36" O.C.	36	LOW	A / L3.51
	SALVIA MEXICANA 'LIMELIGHT' LIMELIGHT MEXICAN SAGE	5 GAL @ 36" O.C.	51	LOW	A / L3.51
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PLANTING LEGEND: Turf and Groundcover

SYMBOL	NAME	SIZE	QTY	WATER REQ.	DETAIL
	BULLSEYE BERMUDA GRASS	SOD	19,283 s.f.	HIGH	-
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PLANTING LEGEND: Gravel

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	CRUSHED GRAVEL, BLUESTONE	¾"	ANGULAR, NOT ROUNDED	G, H / L3.51
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	BLASTED GRANITE BOULDERS TOTAL QTY: 12. SW BOULDER & STONE	3 @ 3' LONG; 3 @ 4' LONG; 3 @ 5' LONG		-

REFER TO SHEET L3.00 FOR PLANTING SCHEDULES AND NOTES

0 4 8 16 32 Feet
Scale: 1/16" = 1'-0"

PLANTING PLAN

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

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5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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CONSULTANT

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PASADENA, CA 91101
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FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

PLANTING PLAN

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

L3.01

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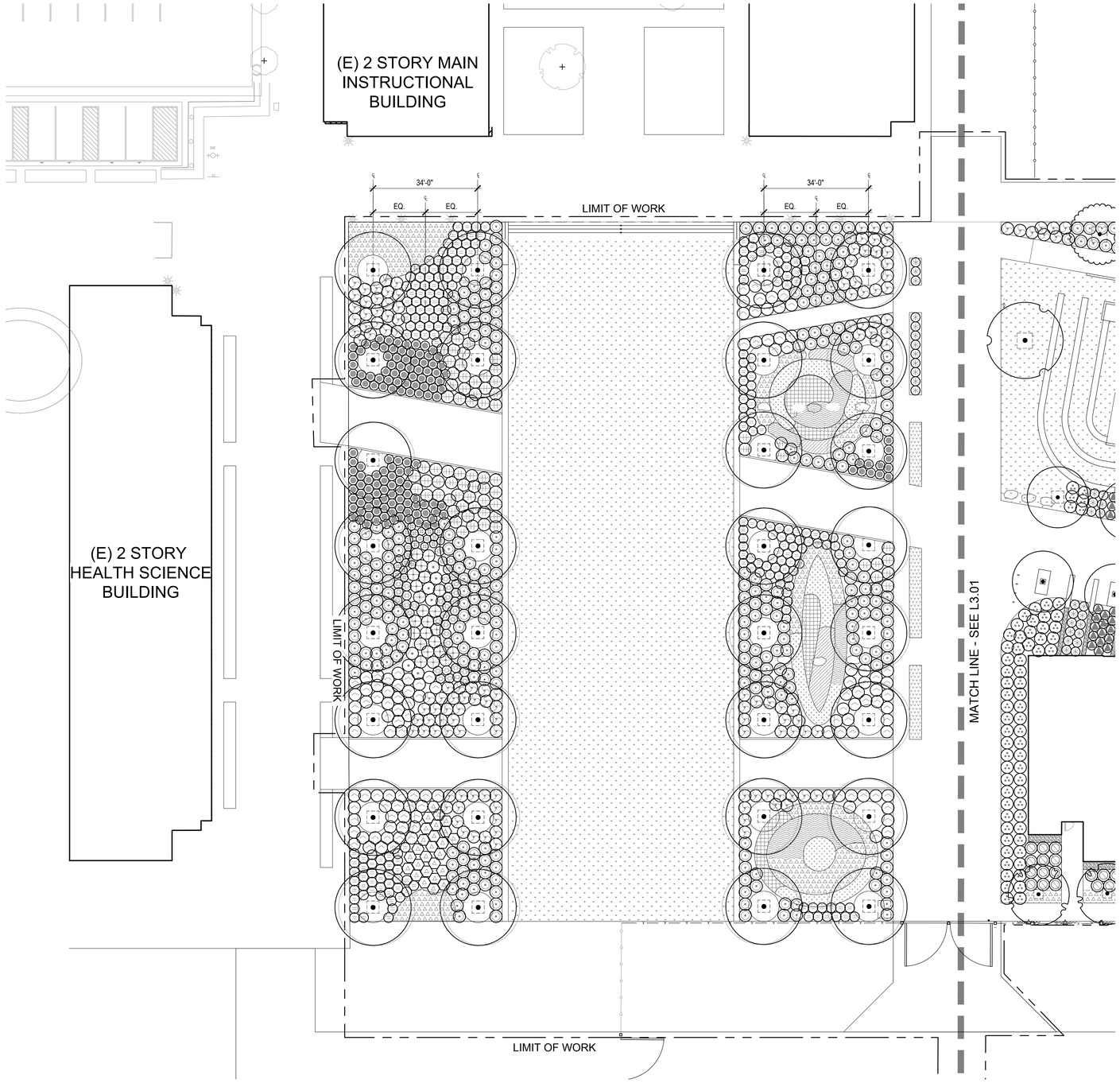

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PLANTING PLAN

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PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

EPTDESIGN
844 EAST GREEN STREET, SUITE 201
PASADENA, CA 91101
626.795.2008
EPTDESIGN.COM

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

PLANTING PLAN

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

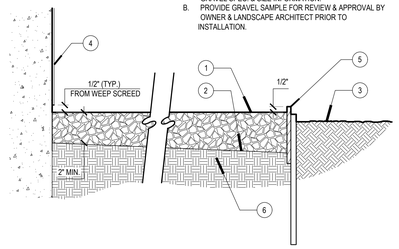
DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

L3.02

1. GRAVEL PAVING PER PLAN.
2. SURFACE OF COMPACTED SUB-GRADE SHALL SLOPE AWAY FROM BUILDING, SEE C3.00 GRADING PLAN
3. FINISH GRADE PER PLAN: -½" @ TURF AREAS. -1 ½" @ SHRUB AREAS.
4. ADJACENT FACE OF BUILDING
5. STEEL LANDSCAPE EDGING PER PLAN
6. SUB-GRADE PER GEOTECHNICAL REPORT

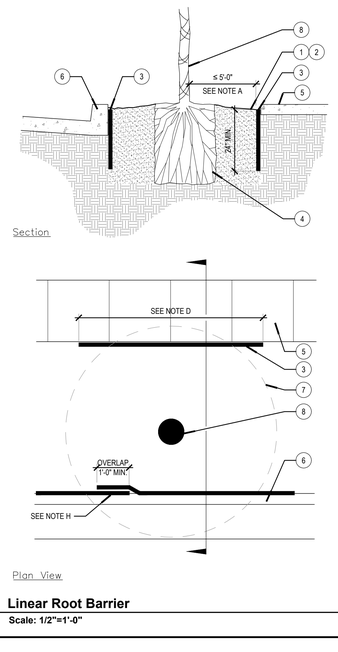
NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR GRAVEL SPEC. & SIZE INFORMATION.
B. PROVIDE GRAVEL SAMPLE FOR REVIEW & APPROVAL BY OWNER & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



I Gravel Maintenance Strip
Scale: 1 1/2"-1'-0"

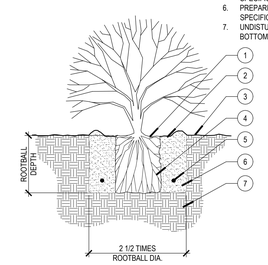
1. FINISH GRADE PER GRADING PLAN. INSTALL TREE HEIGHT ACCORDINGLY. ACCOUNT FOR SOIL TOPPING.
2. SOIL TOPPING PER PLANTING PLAN.
3. 24" MIN. HIGH ROOT CONTROL BARRIER PER PLANTING NOTES. UNLESS SPECIFIED OTHERWISE. TOP OF BARRIER SHALL ½" BELOW FINISH GRADE AND SHALL NOT BE VISIBLE.
4. TREE ROOTBALL
5. ADJACENT HARDSCAPE
6. CONCRETE CURB AND GUTTER WHERE APPLICABLE
7. MATURE DRIP LINE OF TREE AS SHOWN PER PLAN.
8. TREE TRUNK

NOTES:
A. USE ROOT BARRIERS EVERYWHERE FACE OF TREE TRUNKS ARE PLANTED WITHIN 20'-0" OF ANY STRUCTURE, CONCRETE FLATWORK, CURB AND GUTTER, UTILITIES, ETC.
B. POSITION ROOT BARRIER AS CLOSE TO CURB/PAVING AS POSSIBLE. DO NOT WRAP TREE ROOT BALL - ROOT BARRIER RIBS SHALL BE FACING TOWARDS THE TREE
D. LENGTH OF ROOT BARRIER SHALL BE EQUAL TO THE MATURE DRIPLINE OF THE PARTICULAR TREE TO BE PLANTED AS DEFINED BY PLANTING PLAN SYMBOL SIZE, NOT BY THE INSTALLED SIZE.
E. APPLY MASTIC SEALER TO JOINT BETWEEN CONCRETE SURFACE AND ROOT BARRIER FOR ADDED ROOT PROTECTION AND TO AVOID SOIL AND DEBRIS FROM BEING TRAPPED BETWEEN BARRIER AND CONCRETE.
F. ROOT BARRIER TO BE CONTINUOUS WHERE MULTIPLE TREES ARE ALIGNED AND MEET CRITERIA OF NOTE A.
G. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
H. WHERE A ROLLED BARRIER IS APPROVED, CONTRACTOR MUST EXTEND THE BARRIER TO FLATTEN AND UNCOIL PRIOR TO INSTALLATION. CONTRACTOR MUST OVERLAP ROOT BARRIERS BY 1" MINIMUM WHERE CONTINUOUS AND NOT INTERLOCKING.



F Linear Root Barrier
Scale: 1/2"=1'-0"

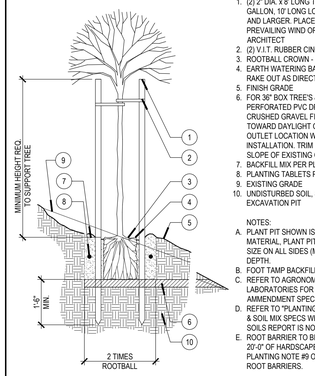
1. CROWN OF SHRUB TO BE PLANTED 1" ABOVE FINISH GRADE
2. EARTH WATERING BASIN, NO LARGER THAN ROOTBALL. RAKE OUT AS DIRECTED.
3. FINISH GRADE
4. ROOTBALL
5. FERTILIZER TABLETS, REFER TO SPECIFICATIONS
6. PREPARED BACKFILL MIX PER SPECIFICATIONS
7. UNDISTURBED SOIL. SCARIFY SIDES AND BOTTOM OF PIT



A Shrub planting
Scale: NTS

1. (2) 2" DIA. x 8' LONG TREATED LODGEPOLE STAKES FOR 5 GALLON, 10' LONG LODGEPOLE STAKES FOR 15 GALLON AND LARGER. PLACE STAKES AT RIGHT ANGLE TO PREVAILING WIND OR AS DIRECTED BY LANDSCAPE ARCHITECT
2. (2) V.I.T. RUBBER CINCH TIES, SIZE PER BOX SIZE
3. ROOTBALL CROWN - SET @ 2" ABOVE FINISH GRADE
4. EARTH WATERING BASIN, (NO LARGER THAN ROOTBALL) - RAKE OUT AS DIRECTED
5. FINISH GRADE
6. FOR 36" BOX TREE'S & LARGER, INSTALL 2" DIA. PERFORATED PVC DRAIN PIPE (SCH. 40) WRAPPED W/ CRUSHED GRAVEL FILTER SOCK @ BOTTOM OF PIT. SLOPE TOWARD DAYLIGHT OF NEAREST SLOPE AREA & CONFIRM OUTLET LOCATION W/ LANDSCAPE ARCH. PRIOR TO INSTALLATION. TRIM EXPOSED END OF PIPE TO MATCH SLOPE OF EXISTING GRADE.
7. BACKFILL MIX PER PLANTING SPECIFICATIONS
8. PLANTING TABLETS PER PLANTING SPECIFICATIONS
9. EXISTING GRADE
10. UNDISTURBED SOIL, SCARIFY SIDES & BOTTOM OF TREE EXCAVATION PIT

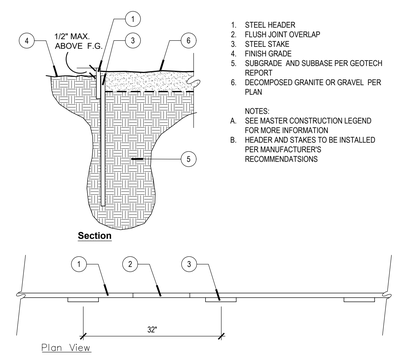
NOTES:
A. PLANT PIT SHOWN IS FOR 15 GALLON SIZE - FOR LARGER MATERIAL, PLANT PIT SHALL BE 18" LARGER THAN BOX SIZE ON ALL SIDES (MINIMUM) AND NO DEEPER THAN BOX DEPTH.
B. FOOT TAMP BACKFILL LIGHTLY IN 6"-10" LIFTS
C. REFER TO AGRONOMIC SOILS REPORT FROM WALLACE LABORATORIES FOR SITE SPECIFIC BACKFILL MIX & SOIL AMMENDMENT SPECS.
D. REFER TO "PLANTING NOTES" ON L3.00 FOR ALL PLANTING & SOIL MIX SPECS WHERE A SITE-SPECIFIC AGRONOMIC SOILS REPORT IS NOT PROVIDED.
E. ROOT BARRIER TO BE INSTALLED FOR ALL TREES WITHIN 20'-0" OF HARDSCAPE. SEE DETAIL F, THIS SHEET, AND PLANTING NOTE #9 ON L3.00 FOR MORE INFORMATION ON ROOT BARRIERS.



B Slope Tree Planting and Staking with Drainage
Scale: 1/2"=1'-0"

1. STEEL HEADER
2. FLUSH JOINT OVERLAP
3. STEEL STAKE
4. FINISH GRADE
5. SUBGRADE AND SUBBASE PER GEOTECH REPORT
6. DECOMPOSED GRANITE OR GRAVEL PER PLAN

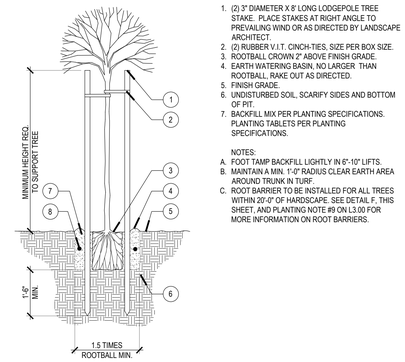
NOTES:
A. SEE MASTER CONSTRUCTION LEGEND FOR MORE INFORMATION
B. HEADER AND STAKES TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATSIONS



G Steel Header
Scale: 1 1/2"-1'-0"

1. (2) 3" DIAMETER X 8' LONG LODGEPOLE TREE STAKE. PLACE STAKES AT RIGHT ANGLE TO PREVAILING WIND OR AS DIRECTED BY LANDSCAPE ARCHITECT.
2. (2) RUBBER V.I.T. CINCH-TIES, SIZE PER BOX SIZE.
3. ROOTBALL CROWN 2" ABOVE FINISH GRADE.
4. EARTH WATERING BASIN, NO LARGER THAN ROOTBALL. RAKE OUT AS DIRECTED.
5. FINISH GRADE.
6. UNDISTURBED SOIL, SCARIFY SIDES AND BOTTOM OF PIT.
7. BACKFILL MIX PER PLANTING SPECIFICATIONS. PLANTING TABLETS PER PLANTING SPECIFICATIONS.

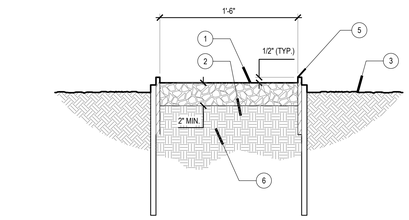
NOTES:
A. FOOT TAMP BACKFILL LIGHTLY IN 6"-10" LIFTS.
B. MAINTAIN A MIN. 1'-0" RADIUS CLEAR EARTH AREA AROUND TRUNK IN TURF.
C. ROOT BARRIER TO BE INSTALLED FOR ALL TREES WITHIN 20'-0" OF HARDSCAPE. SEE DETAIL F, THIS SHEET, AND PLANTING NOTE #9 ON L3.00 FOR MORE INFORMATION ON ROOT BARRIERS.



C Tree Planting and Staking
Scale: 1/2"=1'-0"

1. GRAVEL PAVING PER PLAN
2. SURFACE OF SUBGRADE SHALL SLOPE AWAY FROM BUILDING. DRAIN LOCATIONS PER CIVIL
3. FINISH GRADE PER PLAN:
   -½" BELOW F.S. FOR TURF AREAS
   -1 ½" BELOW F.S. FOR SHRUB AREAS
4. ADJACENT FACE OF BUILDING
5. STEEL LANDSCAPE EDGING PER PLAN
6. SUB GRADE PER GEOTECHNICAL REPORT

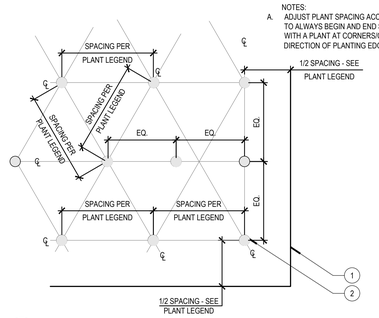
NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR GRAVEL SPEC. & SIZE INFORMATION
B. PROVIDE GRAVEL SAMPLE FOR REVIEW & APPROVAL BY OWNER & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION



H Gravel Strip between Planting Rows
Scale: 1 1/2"-1'-0"

1. PLANTING EDGE (i.e. EDGE OF CURB OR PAVING, FACE OF WALL, ETC
2. CENTER OF PLANT ROOTBALL

NOTES:
A. ADJUST PLANT SPACING ACCORDINGLY TO ALWAYS BEGIN AND END SPACING WITH A PLANT AT CORNERS/CHANGES IN DIRECTION OF PLANTING EDGE.



D Triangular Plant Spacing
Scale: 1/2"=1'-0"

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

PLANTING DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

L3.51

2/12/2020 3:47:43 PM

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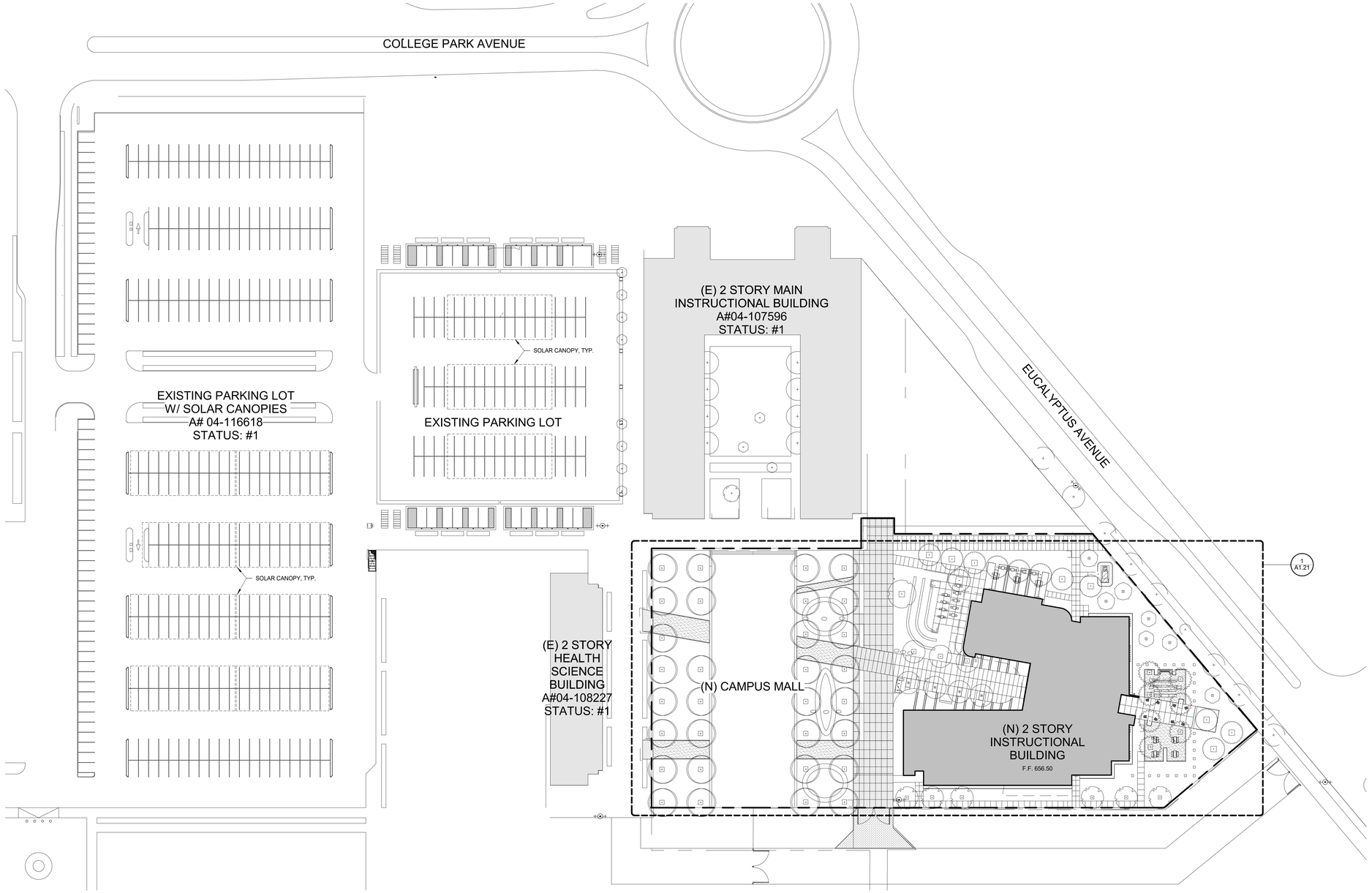
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (E2)



CAMPUS SITE PLAN | **2** 1" = 40'-0"

8/5/2021 8:42:58 AM

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KENNETH SALYER
NO. C-19082
REN. 11-30-21
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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

- APPROXIMATE LIMIT OF WORK. REFER TO ADDITIONAL DRAWINGS FOR WORK WHICH MAY EXTEND BEYOND THIS APPROXIMATE LIMIT OF WORK LINE.
- NEW BUILDING
- EXISTING BUILDINGS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO LANDSCAPE DRAWINGS FOR PAVING AND PLANTING INFORMATION
3. REFER TO CIVIL DRAWINGS FOR GRADING AND UTILITY INFORMATION
4. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR UTILITY INFORMATION
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF ALL HARDSCAPE/PLANTING OUTSIDE OF LIMIT OF WORK LINE FOR CONNECTION OF UNDERGROUND UTILITIES
6. FOR LOCATION OF BUILDING, REFER TO HORIZONTAL CONTROL PLAN, SHEET C2.00.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CAMPUS SITE PLAN

DSA APPROVAL

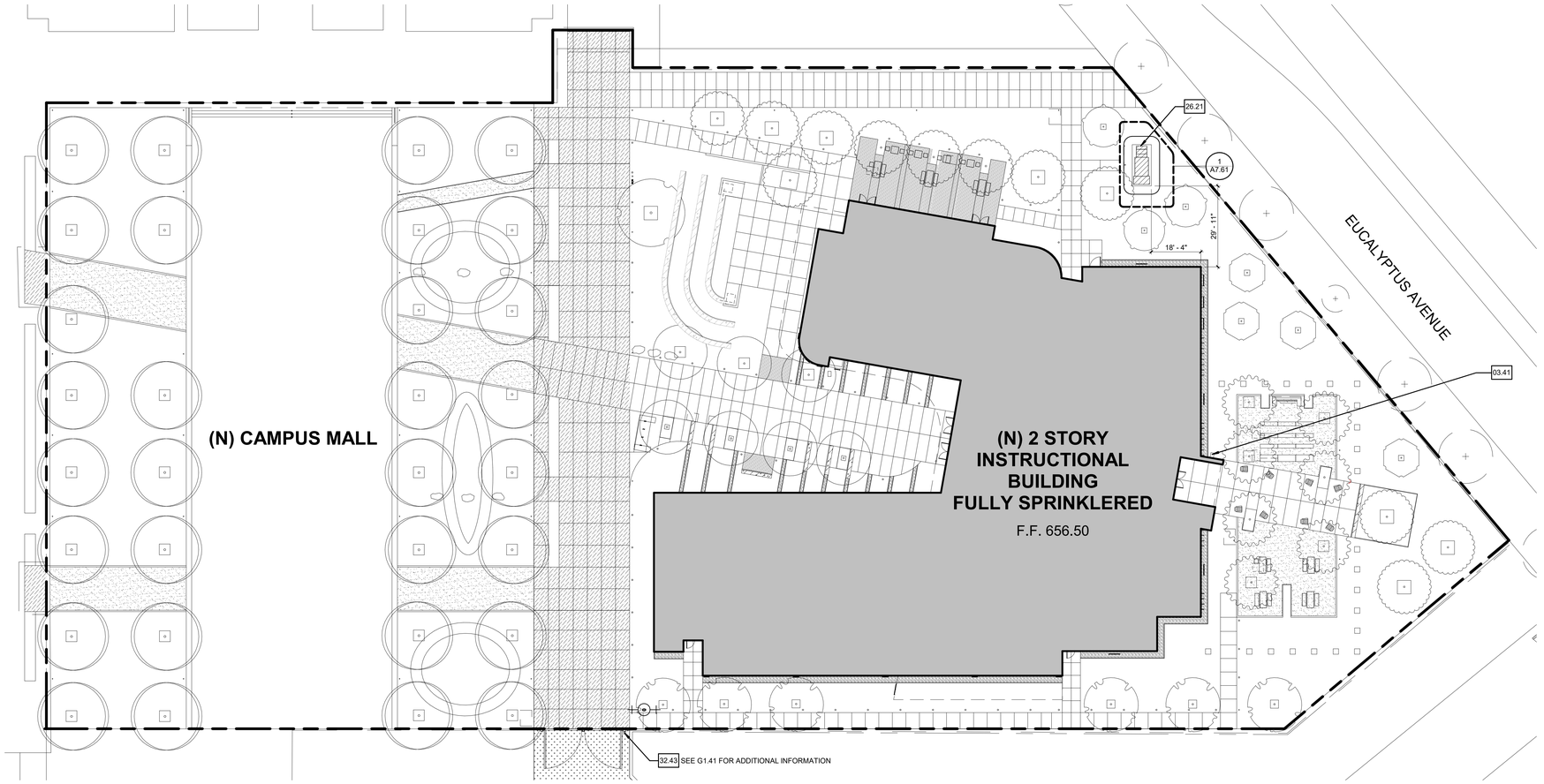
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A1.11

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL 24x36 SHEETS (ORIGINAL SCALE 1/2")



ARCHITECTURAL SITE PLAN

1" = 20'-0"

8/5/2021 8:43:10 AM

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Δ	DESCRIPTION	DATE

KEYNOTES

03.41	PRECAST CONCRETE SPLASH BLOCK
26.21	(N) ELECTRICAL SUBSTATION | ELECTRICAL
32.43	(N) FIRE ACCESS GATE | L1.01

LEGENDS

APPROXIMATE LIMIT OF WORK. REFER TO ADDITIONAL DRAWINGS FOR WORK WHICH MAY EXTEND BEYOND THIS APPROXIMATE LIMIT OF WORK LINE.

NEW BUILDING

EXISTING BUILDINGS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO LANDSCAPE DRAWINGS FOR PAVING AND PLANTING INFORMATION
3. REFER TO CIVIL DRAWINGS FOR GRADING AND UTILITY INFORMATION
4. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR UTILITY INFORMATION
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF ALL HARDSCAPE/PLANTING OUTSIDE OF LIMIT OF WORK LINE FOR CONNECTION OF UNDERGROUND UTILITIES
6. FOR LOCATION OF BUILDING, REFER TO HORIZONTAL CONTROL PLAN, SHEET C2.00.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

PROJECT SITE PLAN

DSA APPROVAL

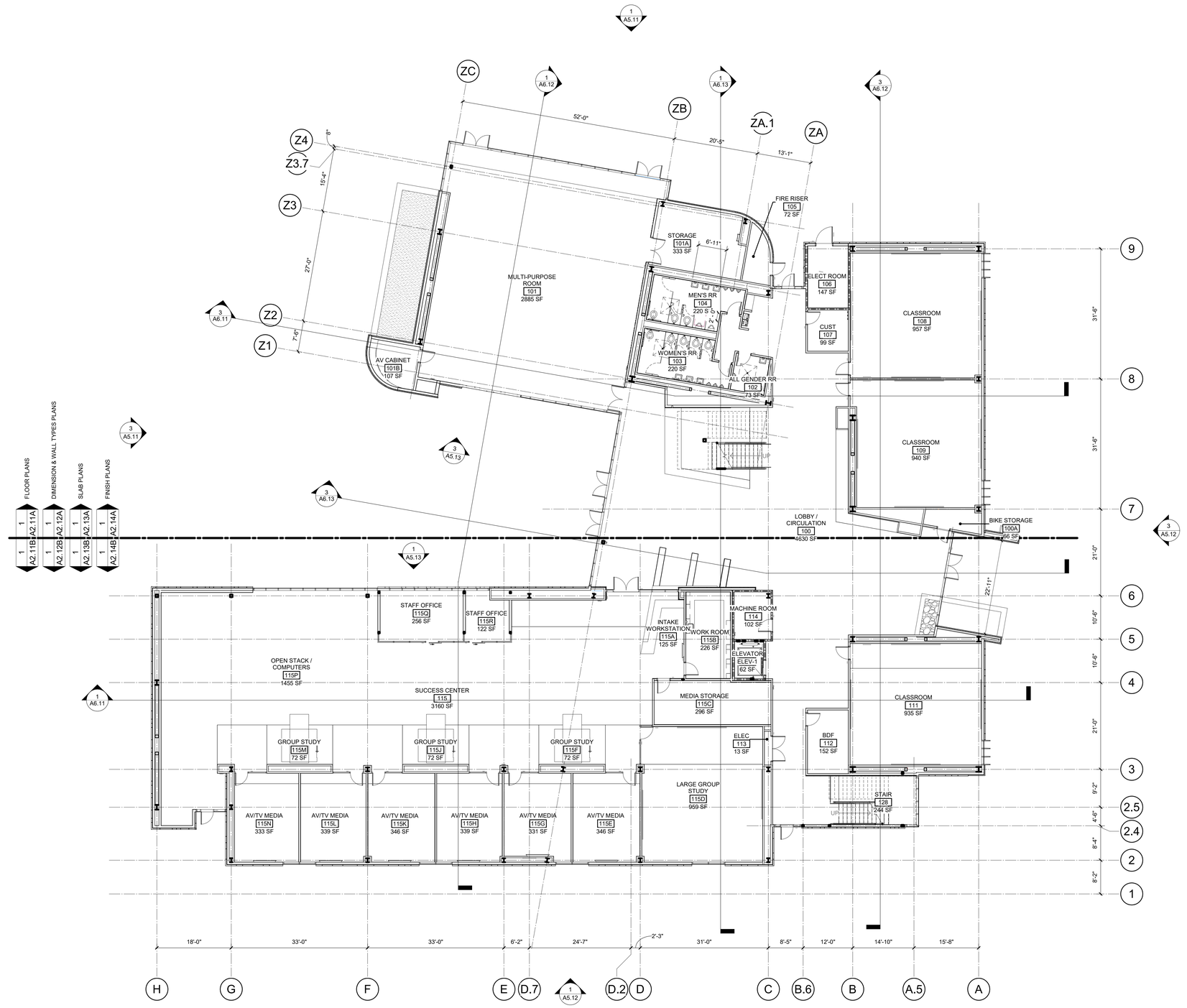
FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A1.21

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE



FLOOR PLAN - FIRST FLOOR - OVERALL | **1** 3/32" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:43:25 AM

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ISSUE

Δ	DESCRIPTION	DATE

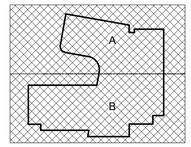
KEYNOTES

LEGENDS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS
3. REFER TO PARTIAL PLANS FOR MORE INFORMATION. OVERALL PLANS ARE INTENDED TO PROVIDE CONTEXT FOR PARTIAL PLANS.

KEY PLAN:



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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - OVERALL

DSA APPROVAL

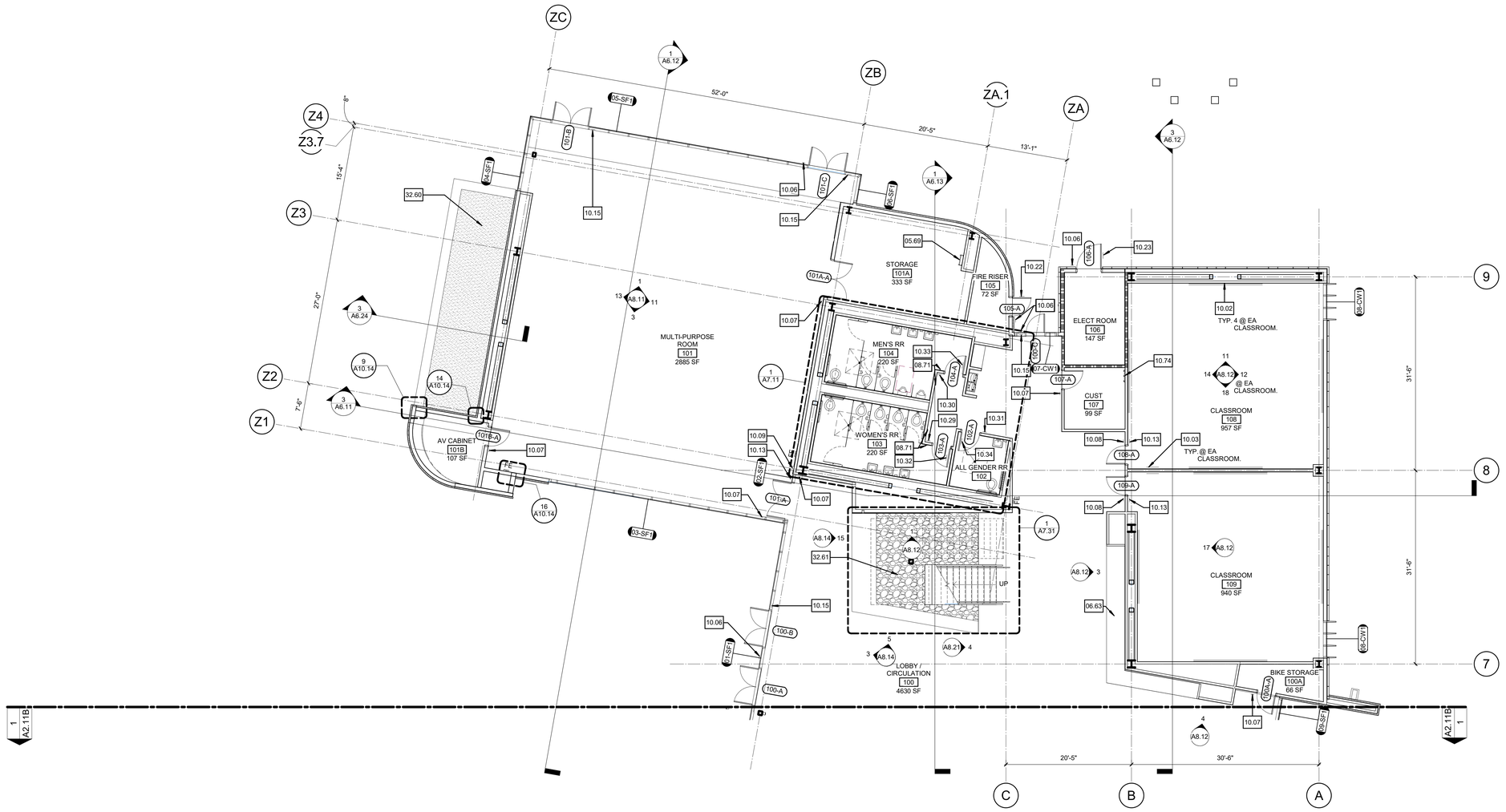
FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A2.11

THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED ON AN ENTIRE ORIGINAL SHEET (D/E)



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STATE OF CALIFORNIA

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KEYNOTES

05.69	ROOF ACCESS LADDER | 21/A10.41
06.63	BUILT IN SEATING WITH SOLID POLYMER SURFACING
08.71	ADA PUSH PLATE | HARDWARE SCHEDULE
10.02	WHITE BOARD | 3/A10.91
10.03	TACK BOARD | 3/A10.91
10.06	ROOM ID SIGN - PERMANENT | 13/A10.82
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.08	ROOM ID SIGN - DOUBLE INSERT | 14/A10.82
10.09	OCCUPANT LOAD SIGN | 16/A10.82
10.13	ASSISTIVE LISTENING DEVICE SIGN | 7/A10.82
10.15	TACTILE "EXIT" SIGN | 18/A10.82
10.22	FIRE SPRINKLER RISER ROOM SIGN | 19/A10.82
10.23	FIRE ALARM PANEL ROOM SIGN | 18/A10.82
10.29	WOMEN'S RESTROOM ID SIGNAGE | 3/A10.82
10.30	MEN'S RESTROOM ID SIGNAGE | 4/A10.82
10.31	UNISEX RESTROOM ID SIGNAGE | 5/A10.82
10.32	WOMEN'S RESTROOM DOOR SIGNAGE | 8/A10.82
10.33	MEN'S RESTROOM DOOR SIGNAGE | 9/A10.82
10.34	UNISEX RESTROOM DOOR SIGNAGE | 10/A10.82
10.74	UTILITY SHELF AND MOP & BROOM HOLDER | 1/A10.71
32.60	RAISED PLANTING | LANDSCAPE
32.61	ROCK GARDEN | LANDSCAPE

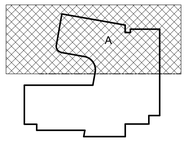
LEGENDS

FE	FIRE EXTINGUISHER (SEMI-RECESSED). SEE 1/A10.91
	1-HR FIRE RATED WALL
	ROOM I.D. & SIGNAGE - REFER TO KEYNOTES
	SLOPE DOWN DIRECTION

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS
3. REFER TO INTERIOR ELEVATIONS FOR ALL CASEWORK INFORMATION.
4. CALLOUTS SHOWN IN ROOMS 108 & 208 ARE CONSIDERED TYPICAL AND APPLY TO ALL CLASSROOMS. (SIMILAR AND OPPOSITE HAND AS APPLICABLE)

KEY PLAN:



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PROJECT:

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SHEET NAME:

FLOOR PLAN - FIRST FLOOR - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A2.11A

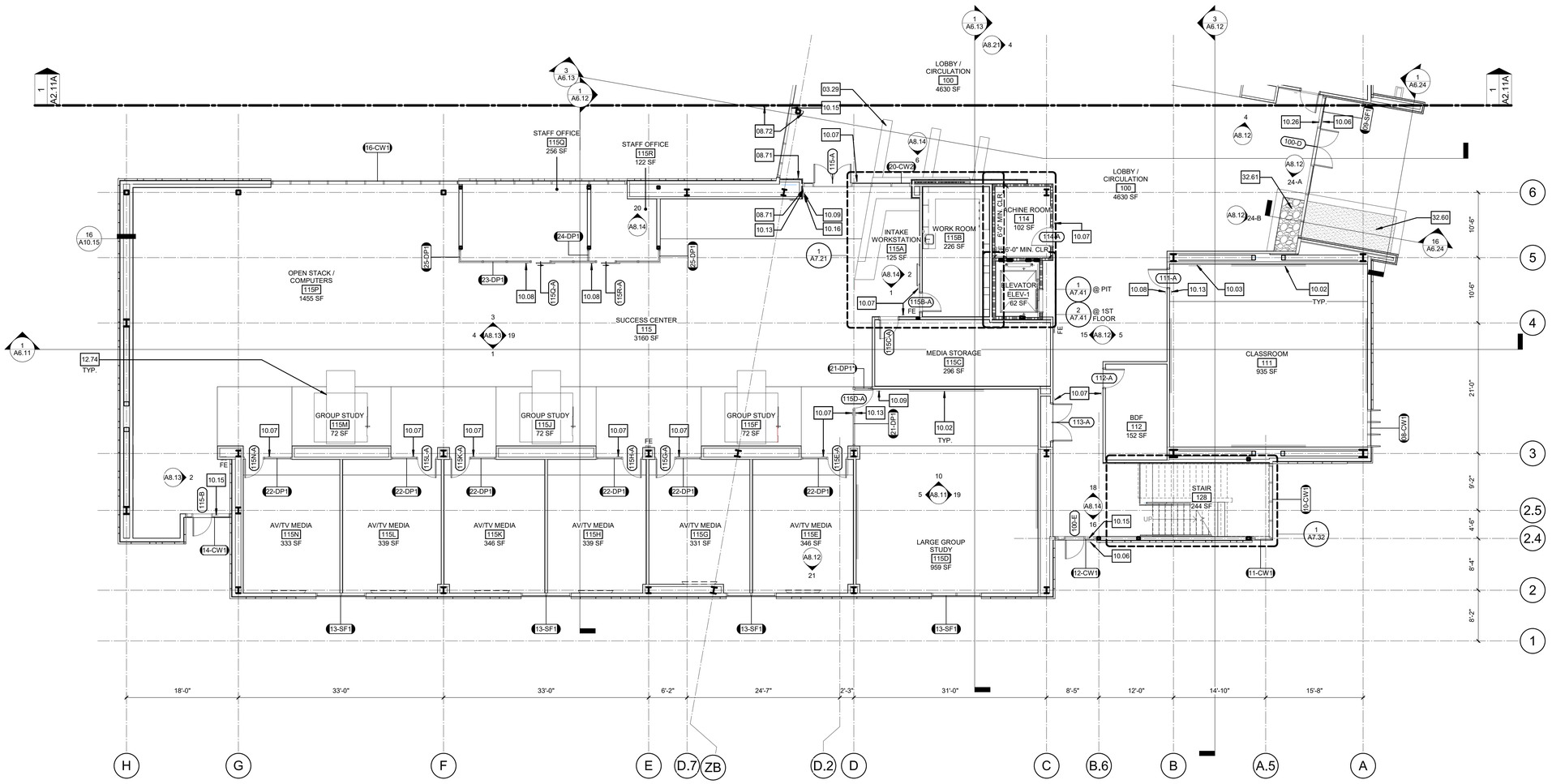
PN

FLOOR PLAN - FIRST FLOOR - SEGMENT A | **1** 1/8" = 1'-0"

8/5/2021 8:43:37 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



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5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.29	CAST-IN-PLACE CONCRETE BENCH | DETAIL 23/A10.62
08.71	ADA PUSH PLATE | HARDWARE SCHEDULE
08.72	ADA FULL-LENGTH 13" HIGH-LOW ACTUATOR | DOOR SCHEDULE (A9.11) & DETAIL 4/A10.01
10.02	WHITE BOARD | 3/A10.91
10.03	TACK BOARD | 3/A10.91
10.06	ROOM ID SIGN - PERMANENT | 13/A10.82
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.08	ROOM ID SIGN - DOUBLE INSERT | 14/A10.82
10.09	OCCUPANT LOAD SIGN | 16/A10.82
10.13	ASSISTIVE LISTENING DEVICE SIGN | 7/A10.82
10.15	TACTILE "EXIT" SIGN | 1B/A10.82
10.16	TACTILE "EXIT ROUTE" SIGN | 1A/A10.82
10.26	TACTILE "NOT AN EXIT" SIGN | 11/A10.82
12.74	WALL SYSTEMS FURNITURE | 12/A10.91
32.60	RAISED PLANTING | LANDSCAPE
32.61	ROCK GARDEN | LANDSCAPE

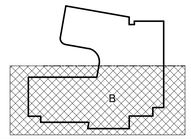
LEGENDS

FE	FIRE EXTINGUISHER (SEMI-RECESSED). SEE 1/A10.91
	1-HR FIRE RATED WALL
—	ROOM I.D. & SIGNAGE - REFER TO KEYNOTES
	SLOPE DOWN DIRECTION

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS
3. REFER TO INTERIOR ELEVATIONS FOR ALL CASEWORK INFORMATION.
4. CALLOUTS SHOWN IN ROOMS 108 & 208 ARE CONSIDERED TYPICAL AND APPLY TO ALL CLASSROOMS. (SIMILAR AND OPPOSITE HAND AS APPLICABLE)

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - SEGMENT B

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

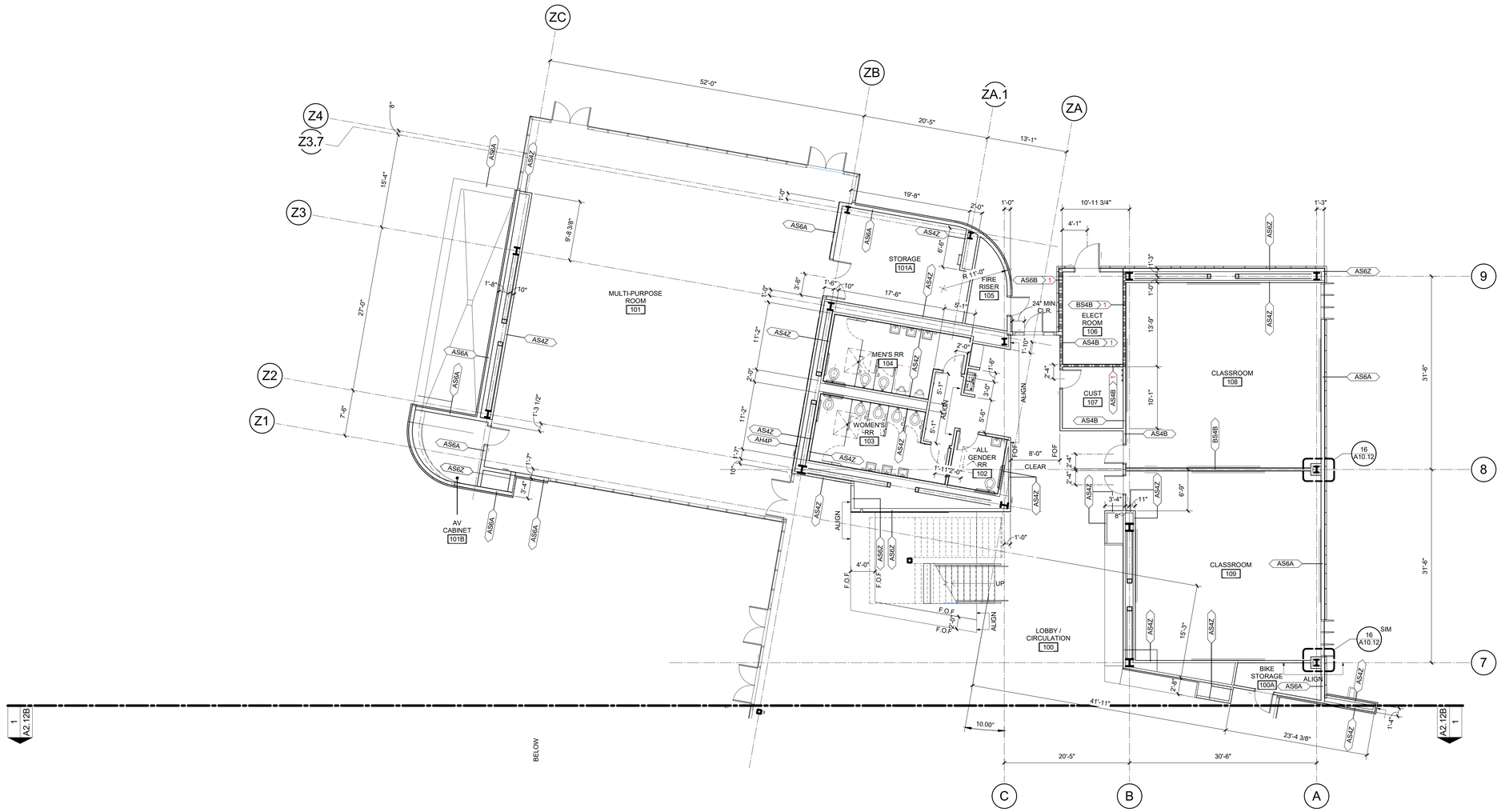
A2.11B

FLOOR PLAN - FIRST FLOOR - SEGMENT B 1 1/8" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:43:49 AM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



PN

FLOOR PLAN - FIRST FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT A | **1** 1/8" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:44:01 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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DATE: 08/19/2021

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3546 CONCOURS STREET
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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

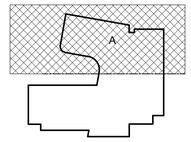
C12f 2S — WALL TAG (EXTERIOR) -SEE 1 A10.11

1-HR FIRE RATED WALL

NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE
2. WALLS ARE TO BE TYPE AS4, UNO
3. SEE ENLARGED PLANS FOR ADDITIONAL CLEAR DIMENSIONS AND ACCESSIBILITY CLEARANCE REQUIREMENTS.
4. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION
5. REFER TO WINDOW SCHEDULE FOR ADDITIONAL INFORMATION
6. REFER TO ELEVATIONS FOR FINISHES

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A2.12A

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT 100% ON SHEETS ORIGINAL SIZE (D)

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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DATE: 08/19/2021

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REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

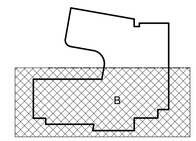
C12f 2S — WALL TAG (EXTERIOR) -SEE 1 / A10.11

1-HR FIRE RATED WALL

NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE
2. WALLS ARE TO BE TYPE AS4A, UNO
3. SEE ENLARGED PLANS FOR ADDITIONAL CLEAR DIMENSIONS AND ACCESSIBILTY CLEARANCE REQUIREMENTS.
4. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION
5. REFER TO WINDOW SCHEDULE FOR ADDITIONAL INFORMATION
6. REFER TO ELEVATIONS FOR FINISHES

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT B

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

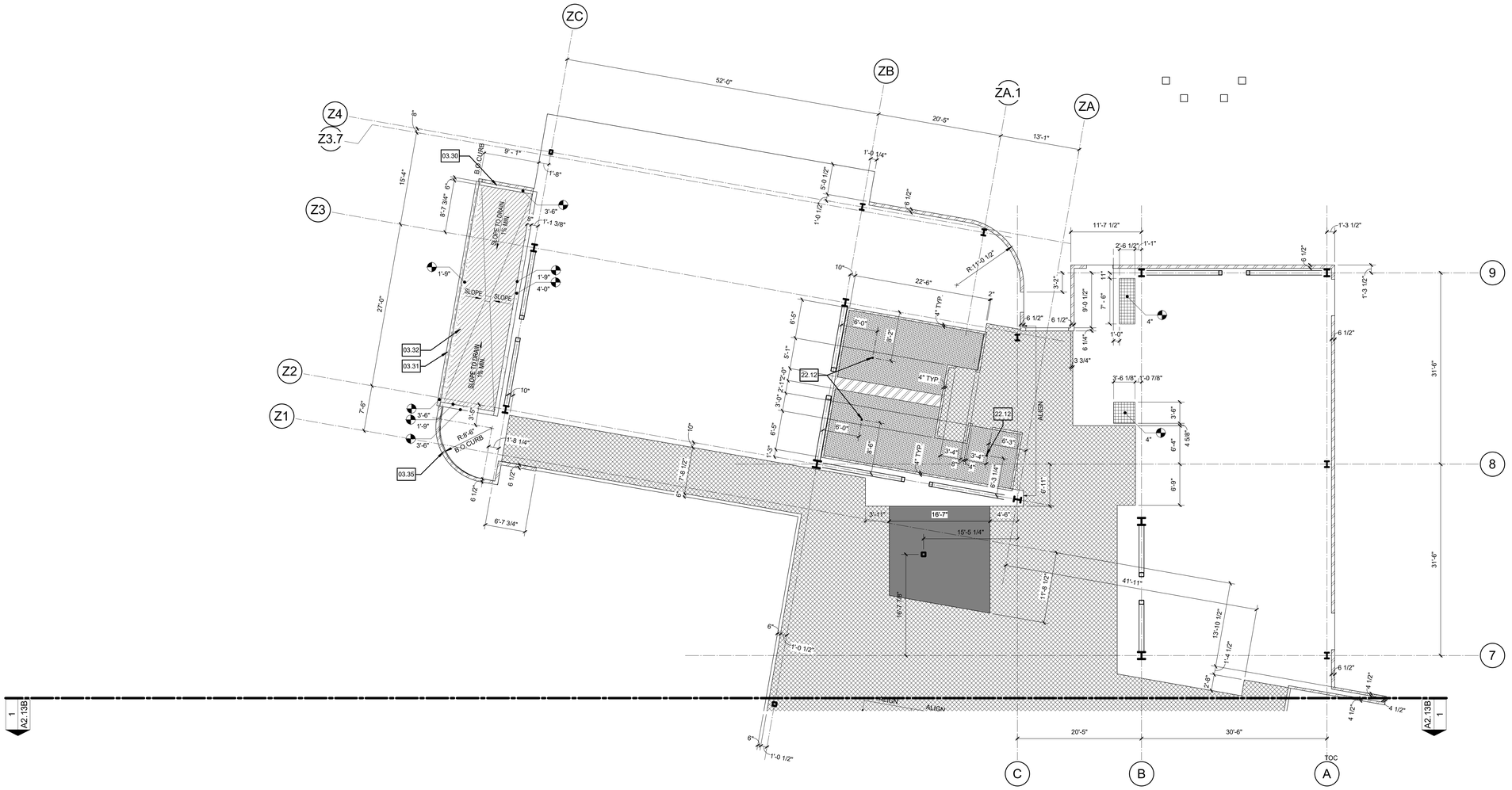
A2.12B

FLOOR PLAN - FIRST FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT B | 1 | 1/8" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:44:13 AM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



AGENCY APPROVAL:

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LICENSED ARCHITECT
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STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.30	CONCRETE CURB/WALL AT PLANTER, | DETAIL, 1/ A10.17
03.31	ANGLED CONCRETE CURB/WALL AT PLANTER, | DETAIL, 2/ A10.17
03.32	CONCRETE SLAB AT WEST PLANTER, | WALL SECTION, 3/ A6.24
03.35	ANGLED CONCRETE CURB, | DETAIL, 6/ A10.14
22.12	FLOOR DRAIN, SLOPE FLOOR FINISH 2% MAX.

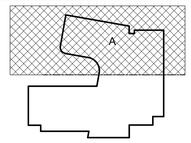
LEGENDS

- CAST IN PLACE CONCRETE WALL
- 6" HIGH CONCRETE CURB
- 1 " SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 2" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 6" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- CONCRETE SLAB AT PLANTERS
- MEP PAD
  ON SLAB ON GRADE - REFER TO 3/S0.12
  ON METAL DECK - REFER TO 4/S0.52
- SLAB OPENING
- PIT

NOTES

1. REFER TO DIMENSION PLANS AND WALL TYPES FOR ADDITIONAL INFO AT INTERIOR WALL LOCATONS
2. CONTRACTOR TO COORDINATE PRECISE LOCATIONS WITH ENLARGED PLANS
3. EXTERIOR FINISH GRADE AT DOORS TO BE 1/4" BELOW BUILDING FINISH FLOOR. TYPICAL ALL LOCATIONS. REFER TO CIVIL DRAWINGS
4. COORDINATE DEPRESSED SLAB DEPTH WITH FINISH MATERIAL SUBMITTALS/SHOP DRAWINGS
5. COORDINATE ALL SLAB OPENINGS, PAD SIZES, ETC. WITH MEP SHOP DRAWINGS
6. ALL SPOT ELEVATIONS ARE MEASURED FROM PROJECT BASE POINT UNLESS NOTED OTHERWISE

KEY PLAN:



FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - SLAB PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

A2.13A

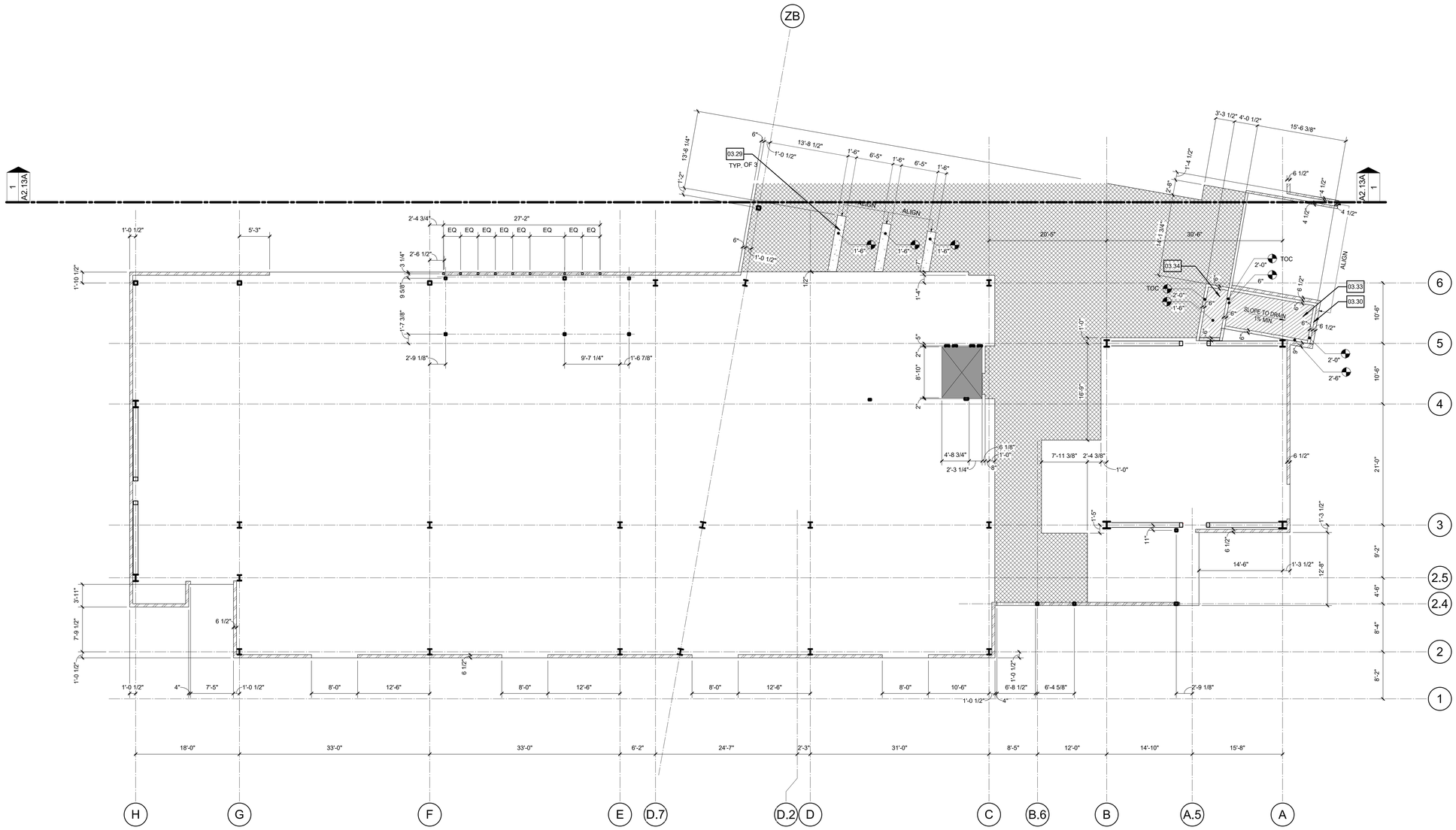
PN

FLOOR PLAN - FIRST FLOOR - SLAB PLAN - SEGMENT A | **1** 1/8" = 1'-0"

8/5/2021 8:44:29 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



FLOOR PLAN - FIRST FLOOR - SLAB PLAN - SEGMENT B | 1 | 1/8" = 1'-0"

PLEASE RECYCLE

9/8/2021 8:44:28 AM

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.29	CAST-IN-PLACE CONCRETE BENCH | DETAIL, 23/A10.62
03.30	CONCRETE CURB/WALL AT PLANTER, | DETAIL, 1/ A10.17
03.33	CONCRETE SLAB AT EAST PLANTER, | WALL SECTION, 1/ A6.24
03.34	CONCRETE SLAB AT INTERIOR PLANTER, | WALL SECTION, 16/A6.24

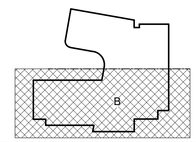
LEGENDS

- CAST IN PLACE CONCRETE WALL
- 6" HIGH CONCRETE CURB
- 1 " SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 2" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 6" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- CONCRETE SLAB AT PLANTERS
- MEP PAD
  ON SLAB ON GRADE - REFER TO 3/S0.12
  ON METAL DECK - REFER TO 4/S0.52
- SLAB OPENING
- PIT

NOTES

1. REFER TO DIMENSION PLANS AND WALL TYPES FOR ADDITIONAL INFO AT INTERIOR WALL LOCATONS
2. CONTRACTOR TO COORDINATE PRECISE LOCATIONS WITH ENLARGED PLANS
3. EXTERIOR FINSH GRADE AT DOORS TO BE 1/4" BELOW BUILDING FINISH FLOOR. TYPICAL ALL LOCATIONS. REFER TO CIVIL DRAWINGS
4. COORDINATE DEPRESSED SLAB DEPTH WITH FINISH MATERIAL SUBMITTALS/SHOP DRAWINGS
5. COORDINATE ALL SLAB OPENINGS, PAD SIZES, ETC. WITH MEP SHOP DRAWINGS
6. ALL SPOT ELEVATIONS ARE MEASURED FROM PROJECT BASE POINT UNLESS NOTED OTHERWISE

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - SLAB PLAN - SEGMENT B

DSA APPROVAL

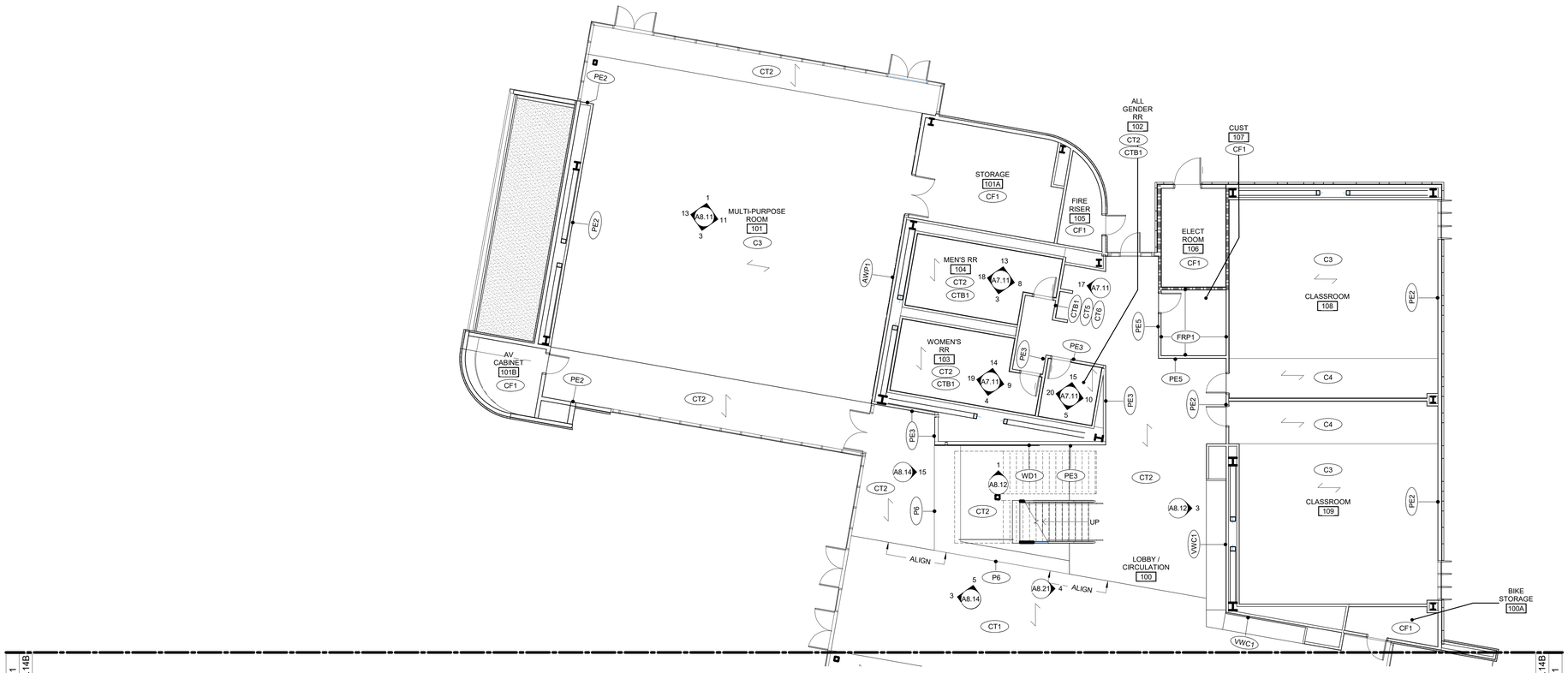
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A2.13B

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



FLOOR PLAN - FIRST FLOOR - FINISH PLAN - SEGMENT A

1

1/8" = 1'-0"

PN

8/5/2021 8:44:38 AM

PLEASE RECYCLE

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DATE: 08/19/2021

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KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

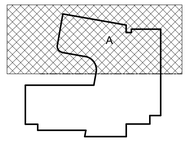
LEGENDS

- FA — WALL FINISH/COLOR - SEE FINISH SCHEDULE
- FA — WALL BASE FINISH/COLOR - SEE FINISH SCHEDULE
- FA — FLOOR FINISH/COLOR - SEE FINISH SCHEDULE
- X#.## — REFER TO INTERIOR ELEVATION FOR ADDITIONAL FINISH MATERIAL, PATTERN, COLORS, ETC.
- DENOTES DIRECTION OF FLOORING - IF APPLICABLE

NOTES

1. ALL INTERIOR FINISHES SHALL COMPLY WITH ALL CURRRENT APPLICABLE CODES.
2. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING FINISHES & HEIGHTS.
3. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION
4. ALL COLUMNS AND PARTITIONS SHALL RECEIVE SCHEDULED BASE FOR THE ROOM, U.N.O.
5. THE BASE AT LOWER CABINETS TO MATCH THE WALL BASE OF THE ROOM IN WHICH THEY OCCUR U.N.O. IN THE CASEWORK DETAILS.
6. WHERE FLOOR FINISH MATERIAL CHANGES AT A DOOR, CENTER TRANSITION AT THE CENTER OF DOOR WHEN IN THE CLOSED POSITION, U.N.O.
7. ALL EXPOSED PIPING, LOUVERS, GRILLS, REGISTERS & CONDUITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, U.N.O.
8. ALL WALLS TO BE PAINTED PE1, AND TO RECEIVE WALL BASE B1 U.N.O.
9. FOR RESTROOM WALL FINISHES REFER TO SHEETS A7.11 & A7.12
10. REFER TO A10.63 FOR FINISH DETAILS

KEY PLAN:



FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - FINISH PLAN - SEGMENT A

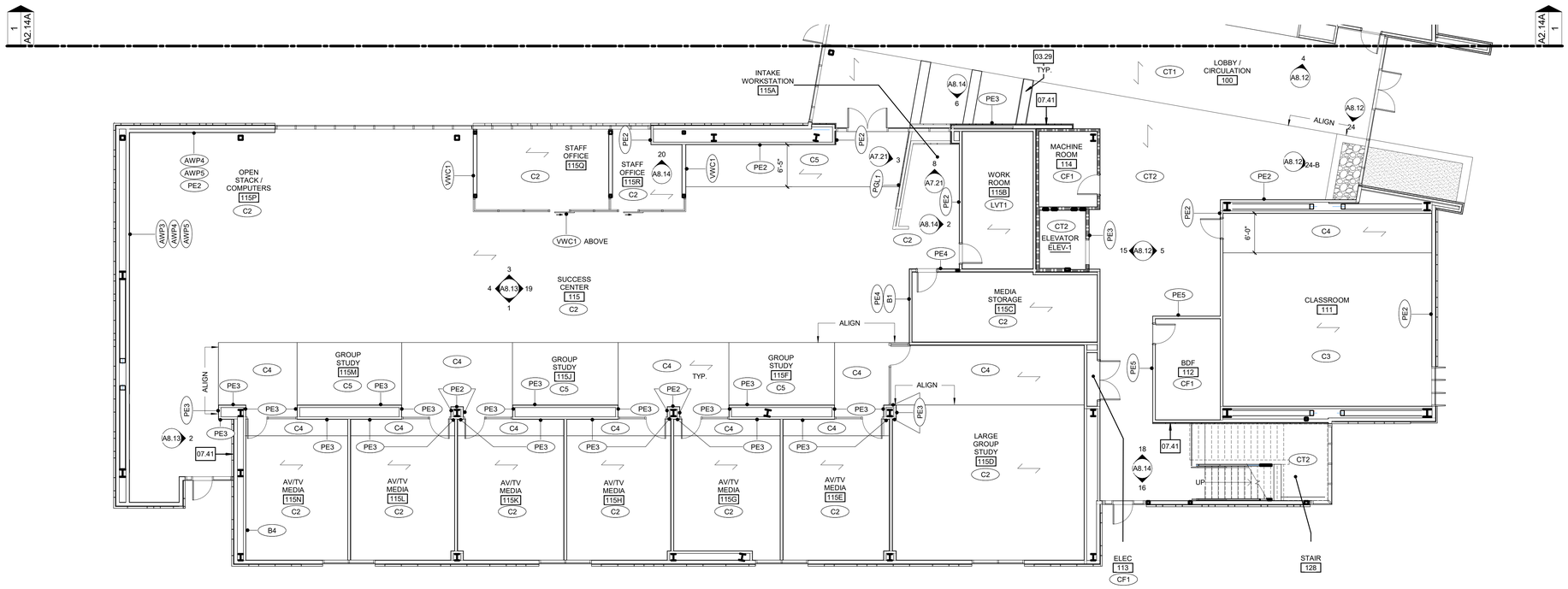
DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

A2.14A

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



TN

PN

FLOOR PLAN - FIRST FLOOR - FINISH PLAN - SEGMENT B | **1** 1/8" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:44:49 AM

AGENCY APPROVAL:

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Δ	DESCRIPTION	DATE

KEYNOTES

03.29 CAST-IN-PLACE CONCRETE BENCH | DETAIL, 23/A10.62
07.41 INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15

LEGENDS

FA — WALL FINISH/COLOR - SEE FINISH SCHEDULE
FA — WALL BASE FINISH/COLOR - SEE FINISH SCHEDULE
FA — FLOOR FINISH/COLOR - SEE FINISH SCHEDULE
X#.## — REFER TO INTERIOR ELEVATION FOR ADDITIONAL FINISH MATERIAL, PATTERN, COLORS, ETC.
DENOTES DIRECTION OF FLOORING - IF APPLICABLE

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1. ALL INTERIOR FINISHES SHALL COMPLY WITH ALL CURRRENT APPLICABLE CODES.
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3. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION
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5. THE BASE AT LOWER CABINETS TO MATCH THE WALL BASE OF THE ROOM IN WHICH THEY OCCUR U.N.O. IN THE CASEWORK DETAILS
6. WHERE FLOOR FINISH MATERIAL CHANGES AT A DOOR, CENTER TRANSITION AT THE CENTER OF DOOR WHEN IN THE CLOSED POSITION, U.N.O.
7. ALL EXPOSED PIPING, LOUVERS, GRILLS, REGISTERS & CONDUITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, U.N.O.
8. ALL WALLS TO BE PAINTED PE1, AND TO RECEIVE WALL BASE B1 U.N.O.
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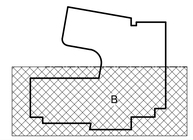
KEY PLAN:



FACILITY:

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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - FIRST FLOOR - FINISH PLAN - SEGMENT B

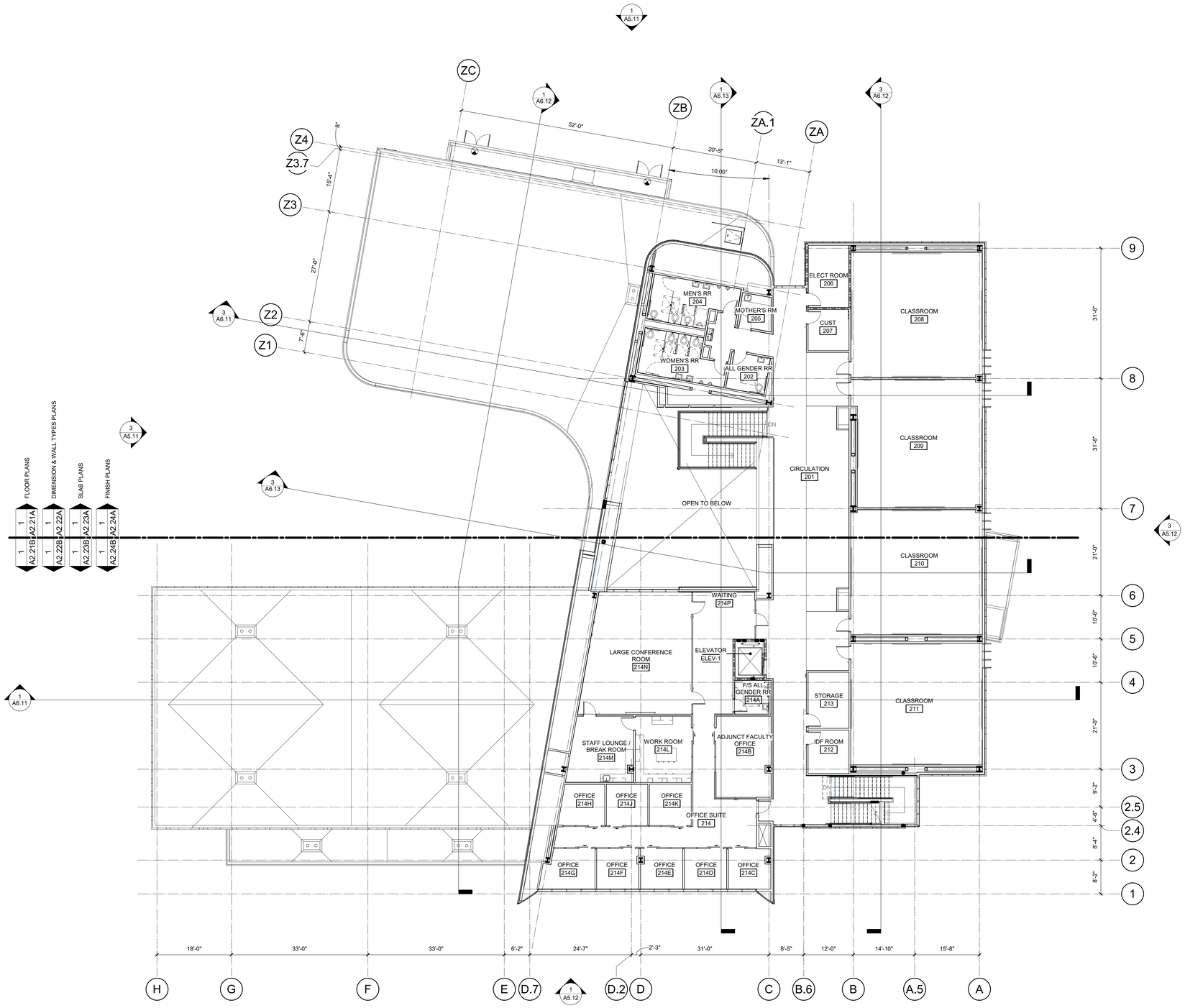
DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

A2.14B

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



FLOOR PLAN - SECOND FLOOR - OVERALL | **1**

3/32" = 1'-0"

PLEASE RECYCLE

9/5/2021 8:45:01 AM

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ISSUE

Δ	DESCRIPTION	DATE

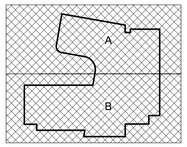
KEYNOTES

LEGENDS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS
3. REFER TO PARTIAL PLANS FOR MORE INFORMATION. OVERALL PLANS ARE INTENDED TO PROVIDE CONTEXT FOR PARTIAL PLANS.

KEY PLAN:



FACILITY:

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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - OVERALL

DSA APPROVAL

FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A2.21

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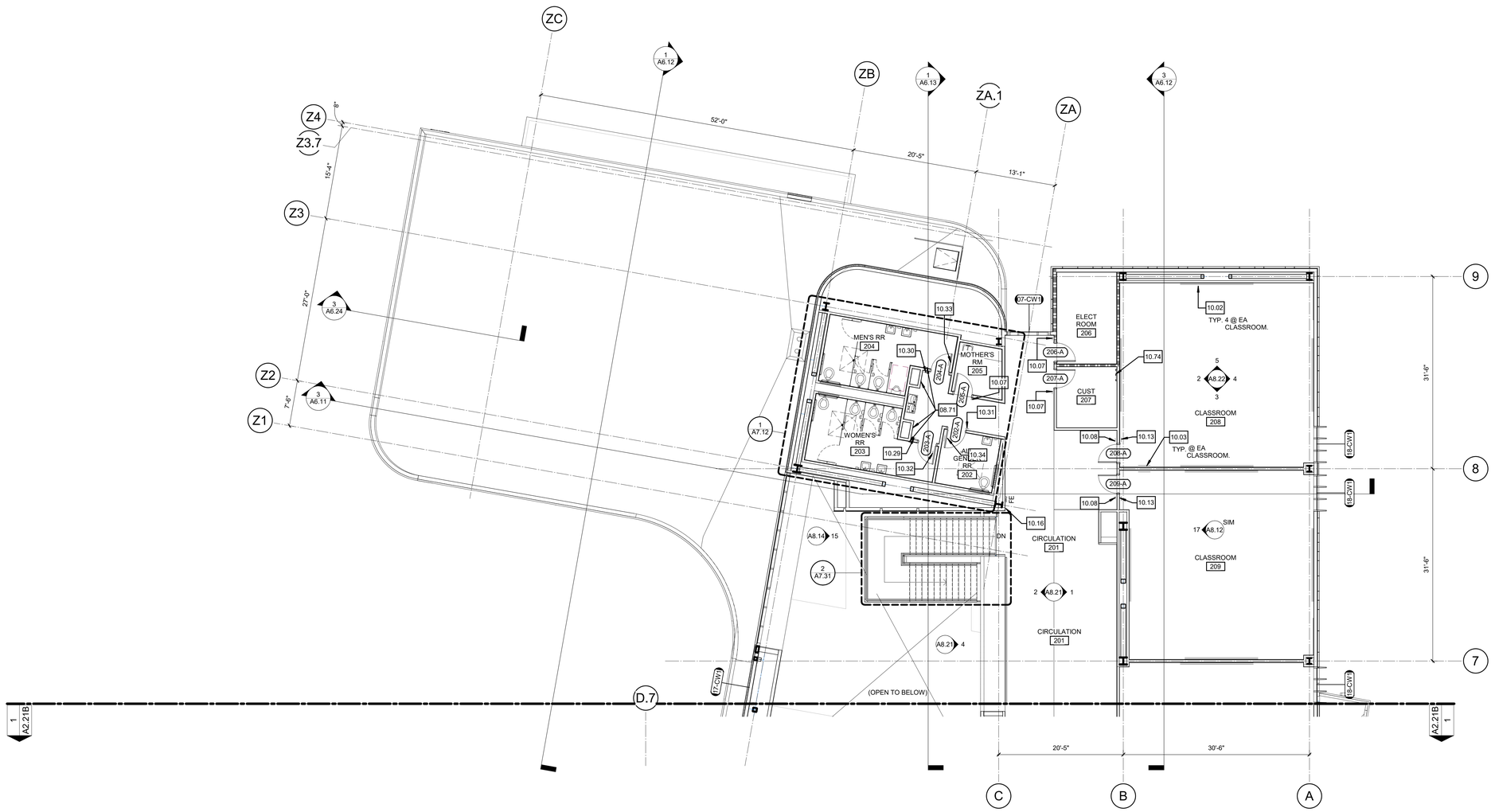

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APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

08.71	ADA PUSH PLATE | HARDWARE SCHEDULE
10.02	WHITE BOARD | 3/A10.91
10.03	TACK BOARD | 3/A10.91
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.08	ROOM ID SIGN - DOUBLE INSERT | 14/A10.82
10.13	ASSISTIVE LISTENING DEVICE SIGN | 7/A10.82
10.16	TACTILE "EXIT ROUTE" SIGN | 1/A10.82
10.29	WOMEN'S RESTROOM ID SIGNAGE | 3/A10.82
10.30	MEN'S RESTROOM ID SIGNAGE | 4/A10.82
10.31	UNISEX RESTROOM ID SIGNAGE | 5/A10.82
10.32	WOMEN'S RESTROOM DOOR SIGNAGE | 8/A10.82
10.33	MEN'S RESTROOM DOOR SIGNAGE | 9/A10.82
10.34	UNISEX RESTROOM DOOR SIGNAGE | 10/A10.82
10.74	UTILITY SHELF AND MOP & BROOM HOLDER | 1/A10.71

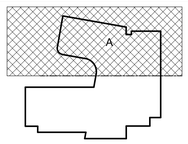
LEGENDS

FE	FIRE EXTINGUISHER (SEMI-RECESSED). SEE 1/A10.91
	1-HR FIRE RATED WALL
—	ROOM I.D. & SIGNAGE - REFER TO KEYNOTES
	SLOPE DOWN DIRECTION

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS
3. REFER TO INTERIOR ELEVATIONS FOR ALL CASEWORK INFORMATION.
4. CALLOUTS SHOWN IN ROOMS 108 & 208 ARE CONSIDERED TYPICAL AND APPLY TO ALL CLASSROOMS. (SIMILAR AND OPPOSITE HAND AS APPLICABLE)

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - SEGMENT A

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A2.21A

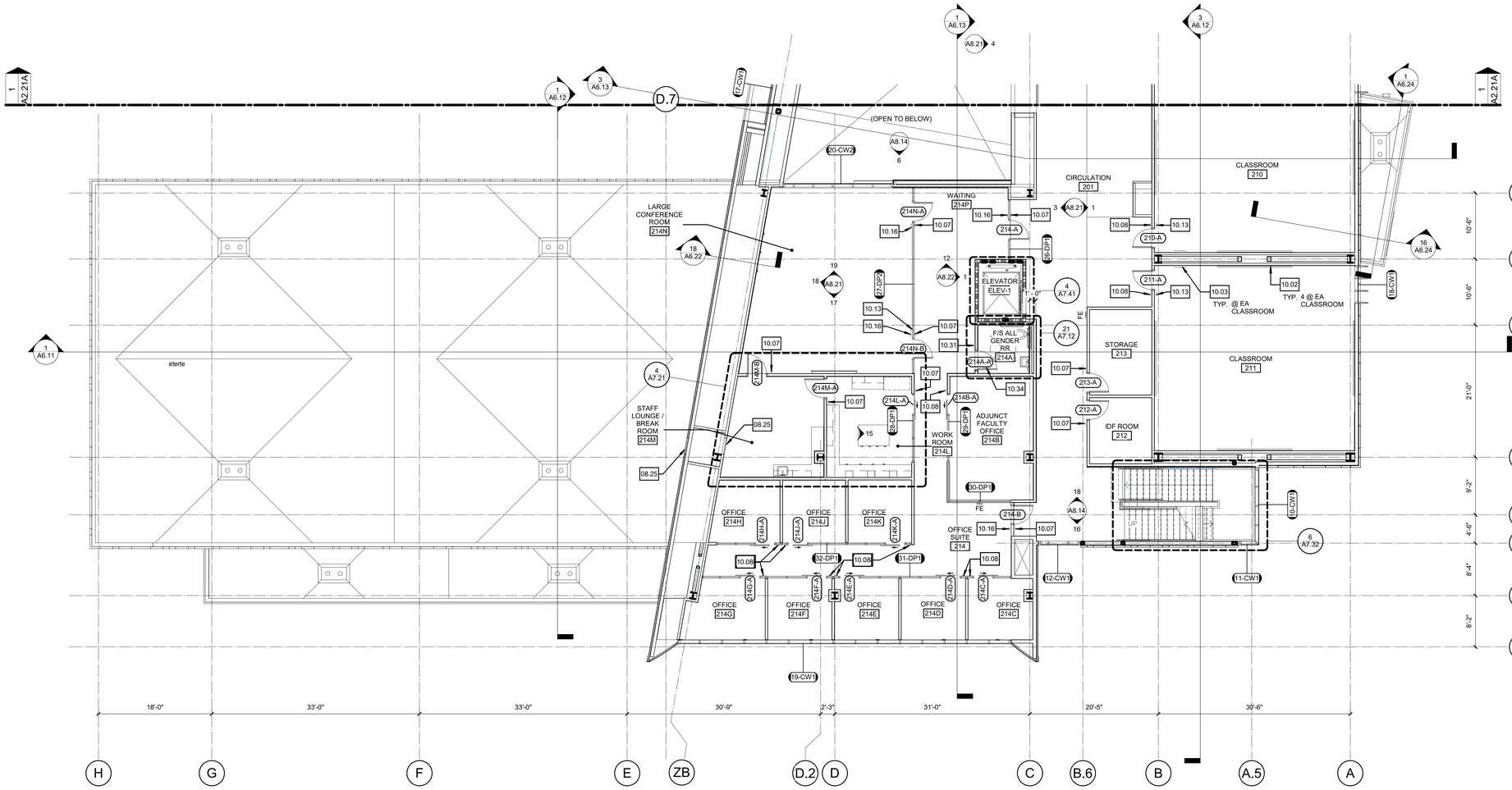
PN

FLOOR PLAN - SECOND FLOOR - SEGMENT A **1** 1/8" = 1'-0"

8/5/2021 8:45:10 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



AGENCY APPROVAL:

IDENTIFICATION STAMP
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DATE: 08/19/2021

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

08.25	ACCESS PANEL IN GYP | 16/A10.44, SEE SPECS
10.02	WHITE BOARD | 3/A10.91
10.03	TACK BOARD | 3/A10.91
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.08	ROOM ID SIGN - DOUBLE INSERT | 14/A10.82
10.13	ASSISTIVE LISTENING DEVICE SIGN | 7/A10.82
10.16	TACTILE "EXIT ROUTE" SIGN | 1/A10.82
10.31	UNISEX RESTROOM ID SIGNAGE | 5/A10.82
10.34	UNISEX RESTROOM DOOR SIGNAGE | 10/A10.82

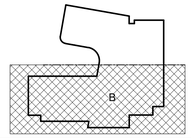
LEGENDS

- FE — FIRE EXTINGUISHER (SEMI-RECESSED). SEE 1/A10.91
- 1-HR FIRE RATED WALL
- ROOM I.D. & SIGNAGE - REFER TO KEYNOTES
- SLOPE DOWN DIRECTION

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS
3. REFER TO INTERIOR ELEVATIONS FOR ALL CASEWORK INFORMATION.
4. CALLOUTS SHOWN IN ROOMS 108 & 208 ARE CONSIDERED TYPICAL AND APPLY TO ALL CLASSROOMS. (SIMILAR AND OPPOSITE HAND AS APPLICABLE)

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - SEGMENT B

DSA APPROVAL

FILE NO.: 36-C1	**A# : 04-119722**
DATE: **08.05.2021**	CLIENT PROJ NO:
SHEET:	

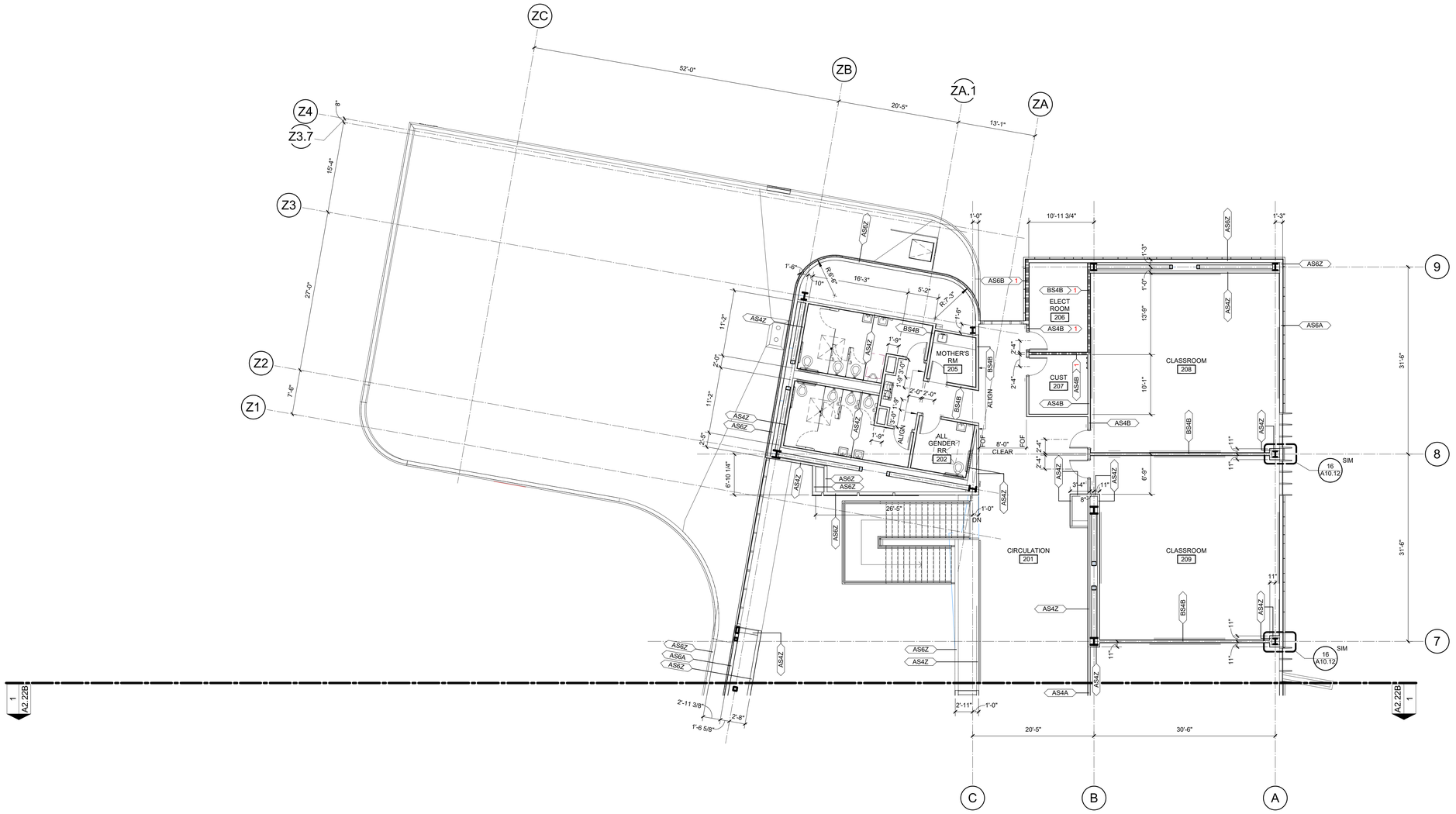
A2.21B

FLOOR PLAN - SECOND FLOOR - SEGMENT B | **1** 1/8" = 1'-0"

8/5/2021 8:43:21 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



FLOOR PLAN - SECOND FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT A

1/8" = 1'-0"

PN

PLEASE RECYCLE

8/5/2021 8:45:29 AM

AGENCY APPROVAL:

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

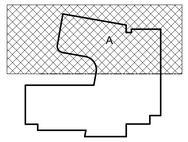
C12f 2S — WALL TAG (EXTERIOR) -SEE 1 A10.11

1-HR FIRE RATED WALL

NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE
2. WALLS ARE TO BE TYPE AS4A, UNO
3. SEE ENLARGED PLANS FOR ADDITIONAL CLEAR DIMENSIONS AND ACCESSIBILITY CLEARANCE REQUIREMENTS.
4. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION
5. REFER TO WINDOW SCHEDULE FOR ADDITIONAL INFORMATION
6. REFER TO ELEVATIONS FOR FINISHES

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT A

DSA APPROVAL

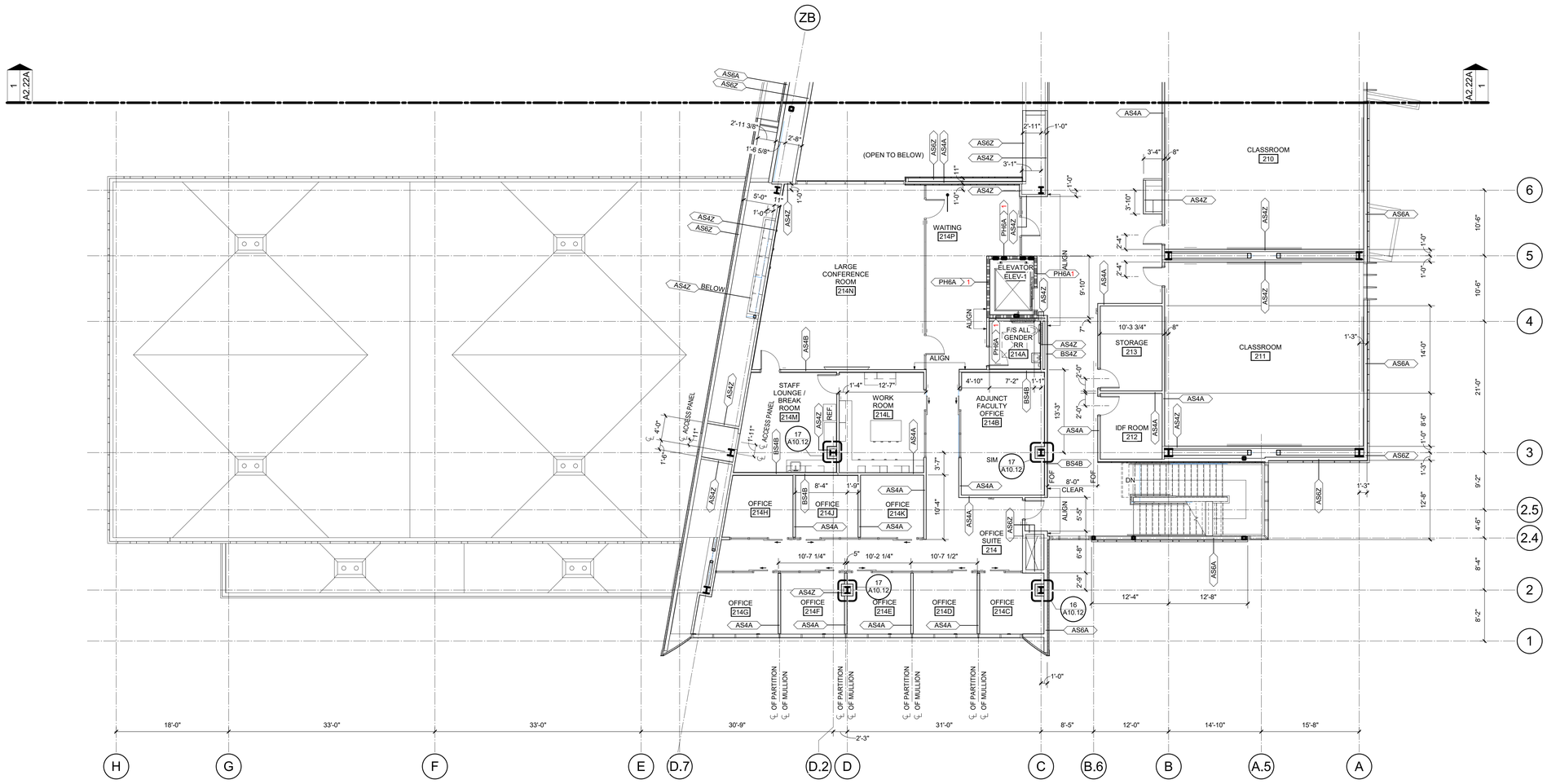
FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A2.22A

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



FLOOR PLAN - SECOND FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT B | **1** 1/8" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:45:39 AM

AGENCY APPROVAL:

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

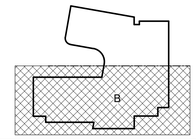
C12f 2S — WALL TAG (EXTERIOR) -SEE 1 A10.11

1-HR FIRE RATED WALL

NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE
2. WALLS ARE TO BE TYPE AS4A, UNO
3. SEE ENLARGED PLANS FOR ADDITIONAL CLEAR DIMENSIONS AND ACCESSIBILITY CLEARANCE REQUIREMENTS.
4. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION
5. REFER TO WINDOW SCHEDULE FOR ADDITIONAL INFORMATION
6. REFER TO ELEVATIONS FOR FINISHES

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - DIMENSION & WALL TYPES PLAN - SEGMENT B

DSA APPROVAL

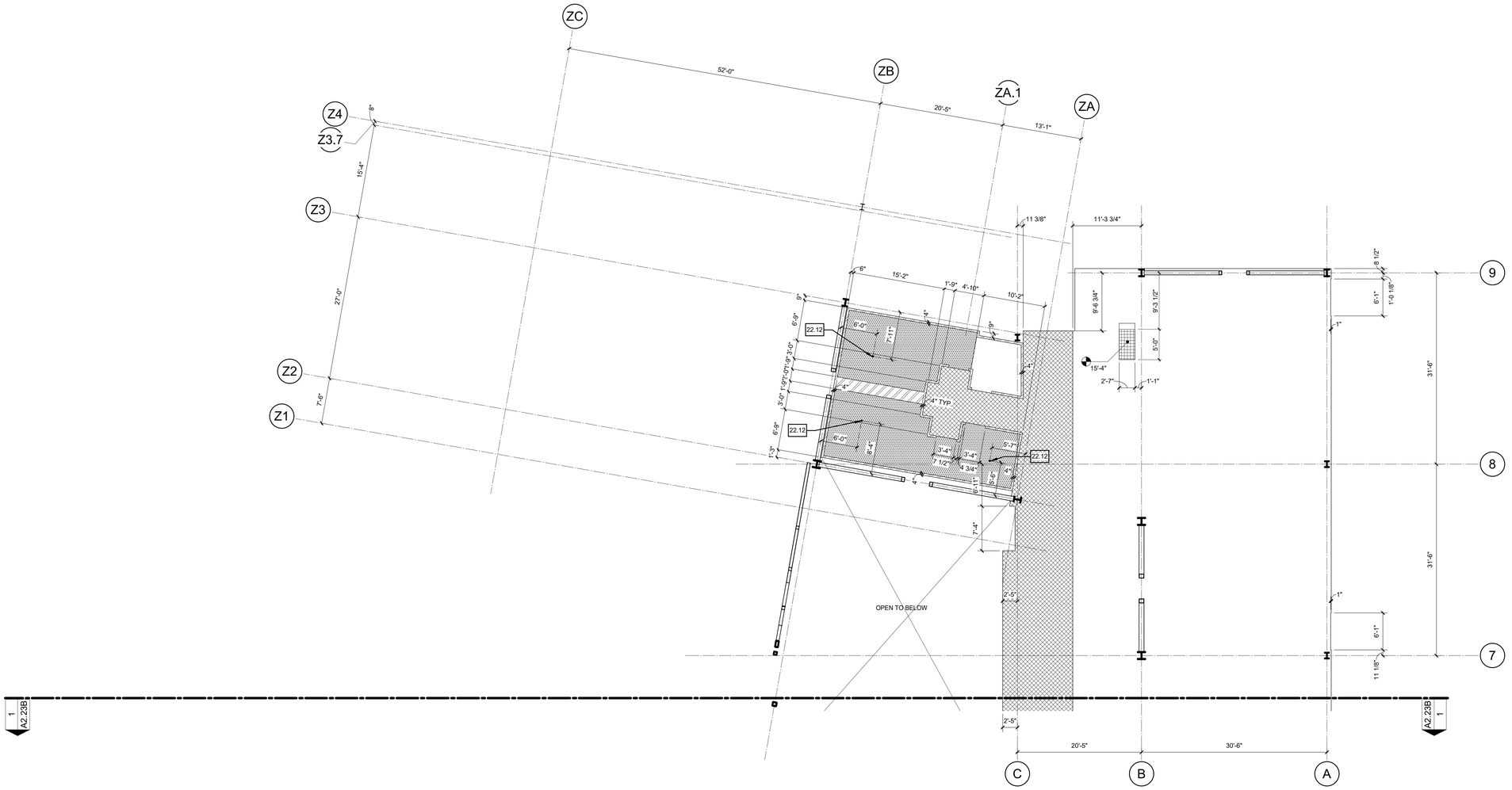
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A2.22B

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)"



PN

FLOOR PLAN - SECOND FLOOR - SLAB PLAN - SEGMENT A | **1** 1/8" = 1'-0"

8/5/2021 8:45:46 AM

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REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

22.12 FLOOR DRAIN, SLOPE FLOOR FINISH 2% MAX.

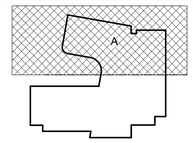
LEGENDS

- CAST IN PLACE CONCRETE WALL
- 6" HIGH CONCRETE CURB
- 1 " SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 2" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 6" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- CONCRETE SLAB AT PLANTERS
- MEP PAD
  ON SLAB ON GRADE - REFER TO 3/S0.12
  ON METAL DECK - REFER TO 4/S0.52
- SLAB OPENING
- PIT

NOTES

1. REFER TO DIMENSION PLANS AND WALL TYPES FOR ADDITIONAL INFO AT INTERIOR WALL LOCATONS
2. CONTRACTOR TO COORDINATE PRECISE LOCATIONS WITH ENLARGED PLANS
3. EXTERIOR FINISH GRADE AT DOORS TO BE 1/4" BELOW BUILDING FINISH FLOOR. TYPICAL ALL LOCATIONS. REFER TO CIVIL DRAWINGS
4. COORDINATE DEPRESSED SLAB DEPTH WITH FINISH MATERIAL SUBMITTALS/SHOP DRAWINGS
5. COORDINATE ALL SLAB OPENINGS, PAD SIZES, ETC. WITH MEP SHOP DRAWINGS
6. ALL SPOT ELEVATIONS ARE MEASURED FROM PROJECT BASE POINT UNLESS NOTED OTHERWISE

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

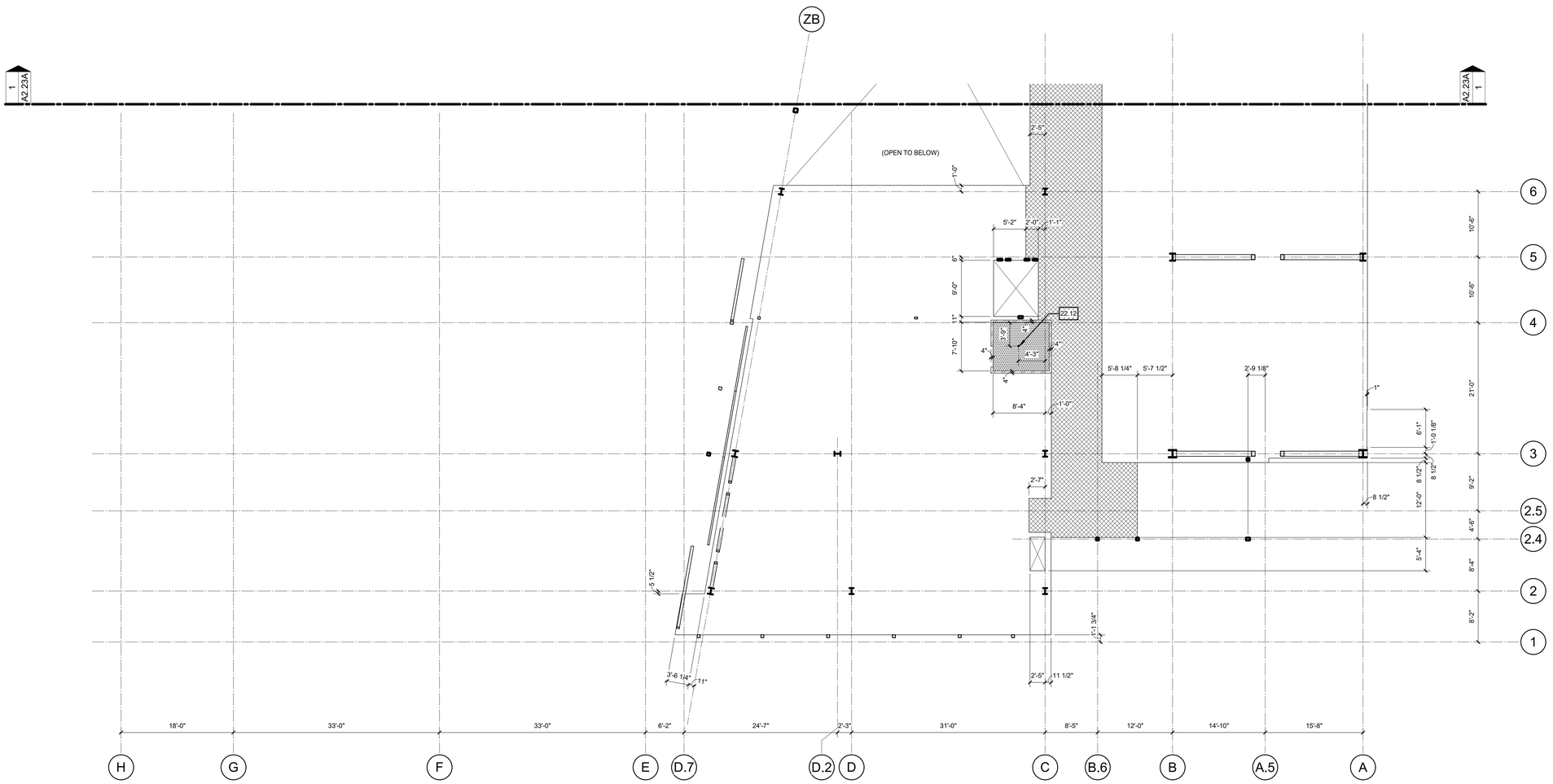
FLOOR PLAN - SECOND FLOOR - SLAB PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

A2.23A



FLOOR PLAN - SECOND FLOOR - SLAB PLAN - SEGMENT B | **1** 1/8" = 1'-0"

8/5/2021 8:48:53 AM

PLEASE RECYCLE

AGENCY APPROVAL:

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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

22.12 FLOOR DRAIN, SLOPE FLOOR FINISH 2% MAX.

LEGENDS

- CAST IN PLACE CONCRETE WALL
- 6" HIGH CONCRETE CURB
- 1 " SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 2" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- 6" SLAB DEPRESSION BELOW FINISH FLOOR HT.
- CONCRETE SLAB AT PLANTERS
- MEP PAD
  ON SLAB ON GRADE - REFER TO 3/S0.12
  ON METAL DECK - REFER TO 4/S0.52
- SLAB OPENING
- PIT

NOTES

1. REFER TO DIMENSION PLANS AND WALL TYPES FOR ADDITIONAL INFO AT INTERIOR WALL LOCATONS
2. CONTRACTOR TO COORDINATE PRECISE LOCATIONS WITH ENLARGED PLANS
3. EXTERIOR FINISH GRADE AT DOORS TO BE 1/4" BELOW BUILDING FINISH FLOOR. TYPICAL ALL LOCATIONS. REFER TO CIVIL DRAWINGS
4. COORDINATE DEPRESSED SLAB DEPTH WITH FINISH MATERIAL SUBMITTALS/SHOP DRAWINGS
5. COORDINATE ALL SLAB OPENINGS, PAD SIZES, ETC. WITH MEP SHOP DRAWINGS
6. ALL SPOT ELEVATIONS ARE MEASURED FROM PROJECT BASE POINT UNLESS NOTED OTHERWISE

KEY PLAN:

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - SLAB PLAN - SEGMENT B

DSA APPROVAL

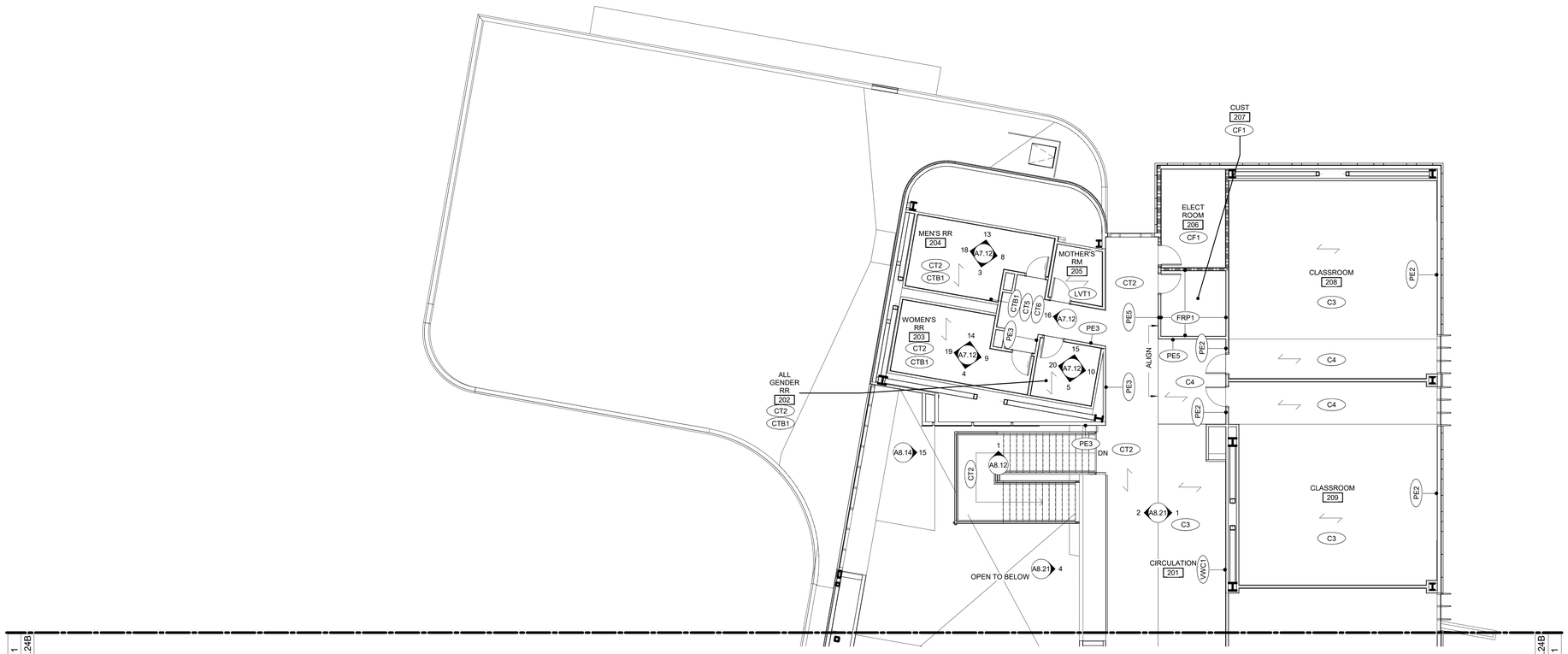
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A2.23B

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET IF ORIGINAL SIZE 30"X42"



FLOOR PLAN - SECOND FLOOR - FINISH PLAN - SEGMENT A

1/8" = 1'-0"

PN

8/5/2021 8:46:01 AM

PLEASE RECYCLE

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

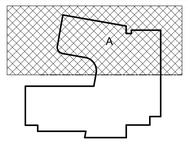
LEGENDS

- FA — WALL FINISH/COLOR - SEE FINISH SCHEDULE
- FA — WALL BASE FINISH/COLOR - SEE FINISH SCHEDULE
- FA — FLOOR FINISH/COLOR - SEE FINISH SCHEDULE
- X#.## — REFER TO INTERIOR ELEVATION FOR ADDITIONAL FINISH MATERIAL, PATTERN, COLORS, ETC.
- DENOTES DIRECTION OF FLOORING - IF APPLICABLE

NOTES

1. ALL INTERIOR FINISHES SHALL COMPLY WITH ALL CURRRENT APPLICABLE CODES.
2. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING FINISHES & HEIGHTS.
3. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION
4. ALL COLUMNS AND PARTITIONS SHALL RECEIVE SCHEDULED BASE FOR THE ROOM, U.N.O.
5. THE BASE AT LOWER CABINETS TO MATCH THE WALL BASE OF THE ROOM IN WHICH THEY OCCUR U.N.O. IN THE CASEWORK DETAILS.
6. WHERE FLOOR FINISH MATERIAL CHANGES AT A DOOR, CENTER TRANSITION AT THE CENTER OF DOOR WHEN IN THE CLOSED POSITION, U.N.O.
7. ALL EXPOSED PIPING, LOUVERS, GRILLS, REGISTERS & CONDUITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, U.N.O.
8. ALL WALLS TO BE PAINTED PE1, AND TO RECEIVE WALL BASE B1 U.N.O.
9. FOR RESTROOM WALL FINISHES REFER TO SHEETS A7.11 & A7.12
10. REFER TO A10.63 FOR FINISH DETAILS

KEY PLAN:



FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - FINISH PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

A2.24A

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)

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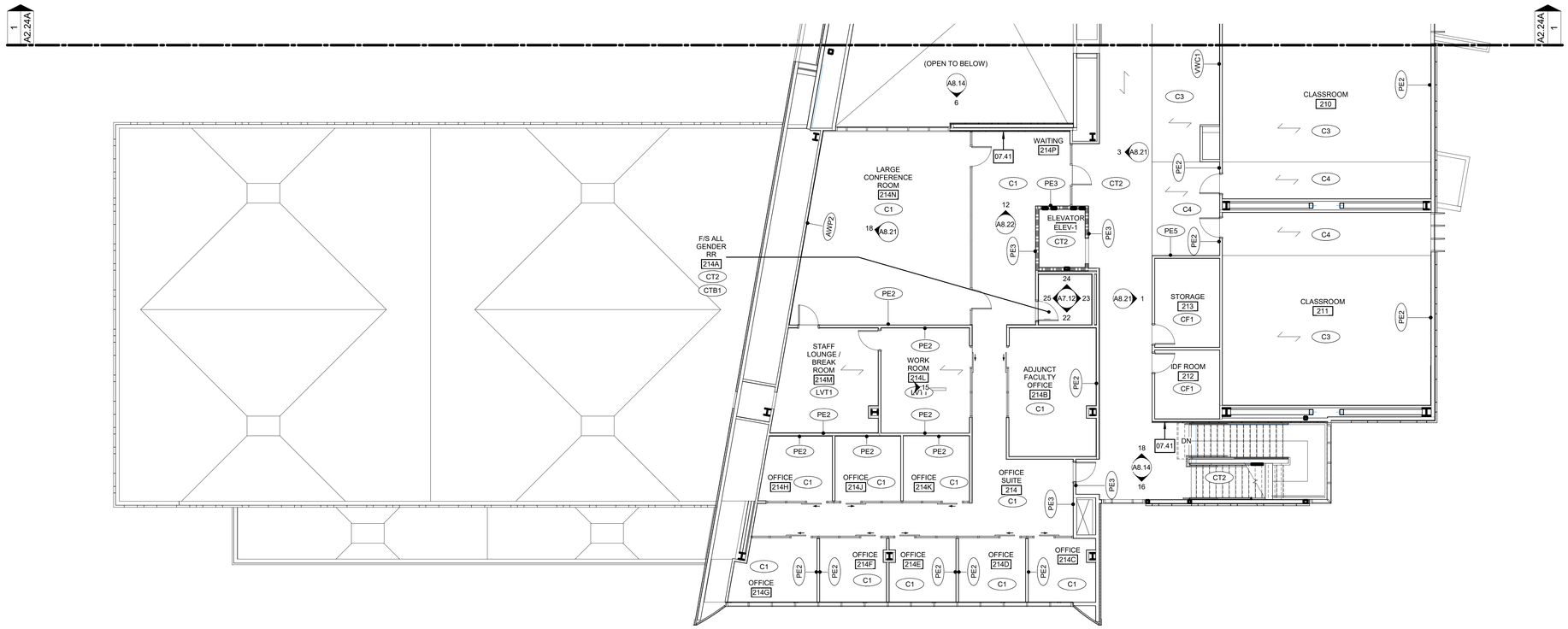

LEGENDS

- FA — WALL FINISH/COLOR - SEE FINISH SCHEDULE
- FA — WALL BASE FINISH/COLOR - SEE FINISH SCHEDULE
- FA — FLOOR FINISH/COLOR - SEE FINISH SCHEDULE
- X#.## — REFER TO INTERIOR ELEVATION FOR ADDITIONAL FINISH MATERIAL, PATTERN, COLORS, ETC.
- DENOTES DIRECTION OF FLOORING - IF APPLICABLE

NOTES

1. ALL INTERIOR FINISHES SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES.
2. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING FINISHES & HEIGHTS.
3. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION
4. ALL COLUMNS AND PARTITIONS SHALL RECEIVE SCHEDULED BASE FOR THE ROOM, U.N.O.
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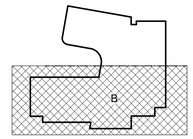
6. WHERE FLOOR FINISH MATERIAL CHANGES AT A DOOR, CENTER TRANSITION AT THE CENTER OF DOOR WHEN IN THE CLOSED POSITION, U.N.O.
7. ALL EXPOSED PIPING, LOUVERS, GRILLS, REGISTERS & CONDUITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, U.N.O.
8. ALL WALLS TO BE PAINTED PE1, AND TO RECEIVE WALL BASE B1 U.N.O.
9. FOR RESTROOM WALL FINISHES REFER TO SHEETS A7.11 & A7.12
10. REFER TO A10.63 FOR FINISH DETAILS

KEY PLAN:



KEYNOTES

07.41 INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FLOOR PLAN - SECOND FLOOR - FINISH PLAN - SEGMENT B

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

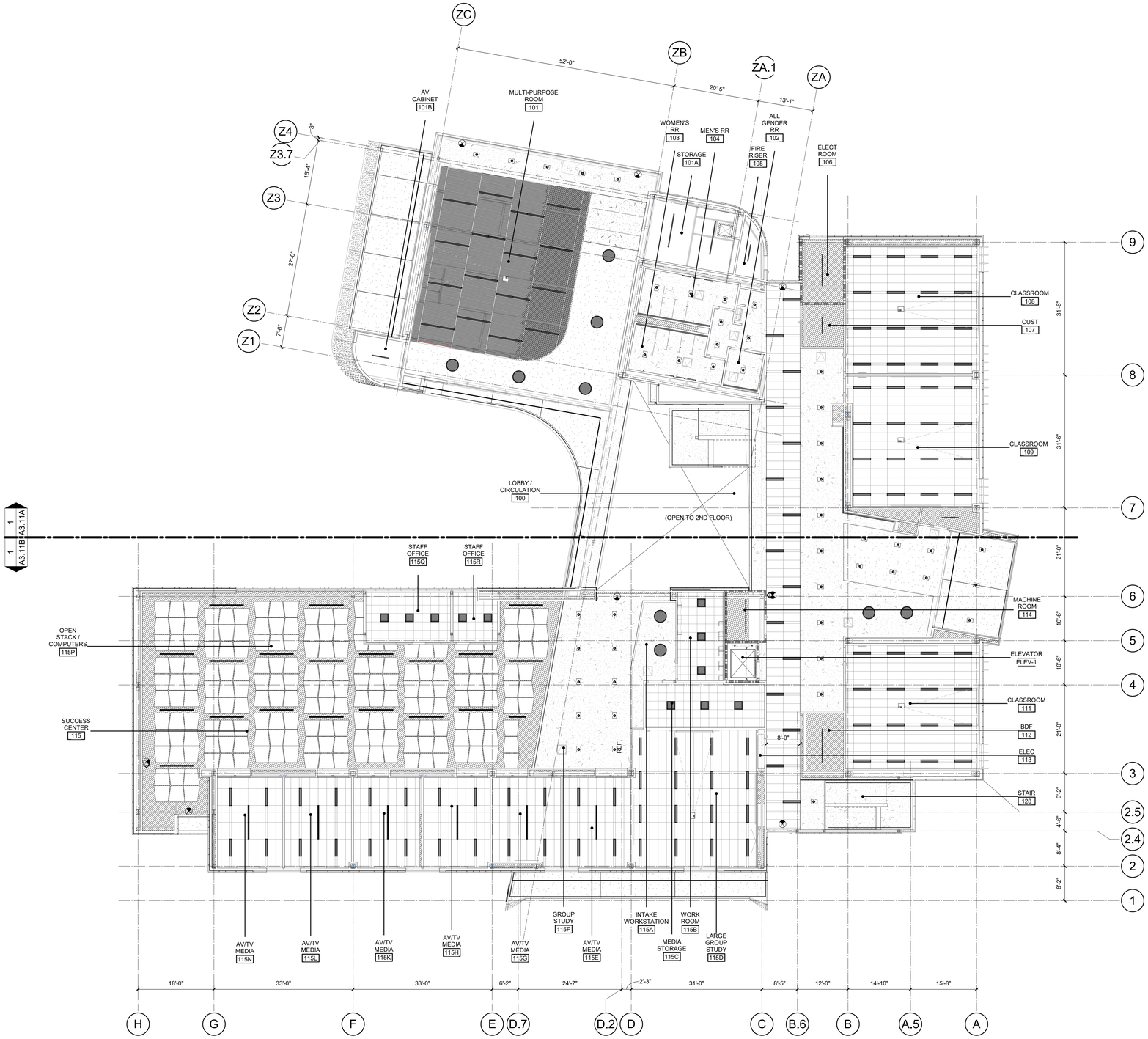
A2.24B

PN

FLOOR PLAN - SECOND FLOOR - FINISH PLAN - SEGMENT B | **1** 1/8" = 1'-0"

8/5/2021 8:48:11 AM

PLEASE RECYCLE



CEILING PLAN - FIRST FLOOR - OVERALL 1

3/32" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

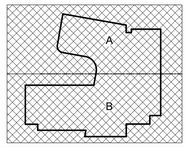
LEGENDS

- GYP. BOARD
- EXTERIOR PLASTER CEILING
- CONTROL JOINT 5 / A10.32
- 24"x48" - 6" TECH-ZONE ACOUSTICAL CEILING TILE SYSTEM - ACT1 5 / A10.31
- 24"x24" ACOUSTIC TILE CEILING SYSTEM- ACT2 - 5 / A10.31
- CLOUD CEILING - SPC1 - 1 / A10.34
- 24"x96" WOOD PANEL CEILING - SPC3 - 4 / A10.34
- WOOD GRILLE CEILING - SPC2 3 / A10.33
- WINDOW SHADE. SEE KEYNOTE FOR TYPE
- CEILING ACCESS PANEL - 17 / A10.32
- TUBULAR SKYLIGHT DIFFUSER - SEE DETAIL - 21 / A10.44
- SOFFIT VENT - 5 / A10.14
- MECHANICAL REGISTERS, GRILLS, ETC. REFER TO MECHANICAL DWGS
- CEILING/WALL MOUNTED ILLUMINATED EXIT SIGNS. (VARIATIONS AS INDICATED ON PLANS), REFER TO ELEC
- LINEAR LIGHTING FIXTURE - REFER TO ELEC
- RECESSED LIGHTING FIXTURE - REFER TO ELEC
- TECHZONE LINEAR LIGHTING FIXTURE - REFER TO ELEC
- SURFACE MOUNTED LIGHTING FIXTURE - REFER TO ELEC
- TROFFER LIGHTING FIXTURE - REFER TO ELEC
- SPRINKLER HEAD - REFER TO FIRE PROTECTION
- CEILING HEIGHT* *VARIES = SLOPED CEILING - REFER TO SPOT ELEV.
- 1'-0" AFF
- MTL COL
- COLOR/FINISH (FACTORY FINISH IF BLANK)
- MATERIAL (REFER TO A9.31)
- FA
- FINISH MATERIAL/COLOR

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. LAY OUT ACOUSTIC CEILING TILE GRID FROM CENTER OF ROOMS, BOTH DIRECTIONS, UNO
3. ALL DIMENSIONS ARE TO FACE OF GYP. UNO
4. THE EXTENT OF ACCESS DOORS AND EQUIPMENT, AS SHOWN ON THE REFLECTED CEILING PLANS DO NOT NECESSARILY REPRESENT THEIR FULL LIMITS. ADDITIONAL ACCESS DOORS MAY BE REQUIRED TO SERVICE EQUIPMENT NOT SHOWN ON THESE PLANS.
5. SEE A10.3X SERIES SHEETS FOR TYP CEILING DETAILS.
6. REFER TO MECHANICAL DRAWINGS FOR REGISTER INFORMATION.
7. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE INFORMATION
8. HEAD WALL ABOVE ALL DEMOUNTABLE PARTIONS TO BE WALL TYPE AS4A CONTINUED TO UNDERSIDE OF DECK.
9. LIGHTING FIXTURES SHALL BE CENTERED IN SPACE AS SHOWN, UNO

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CEILING PLAN - FIRST FLOOR - OVERALL

DSA APPROVAL

FILE NO.: 36-C1 A# : 04-119722

DATE: 08.05.2021 CLIENT PROJ NO:

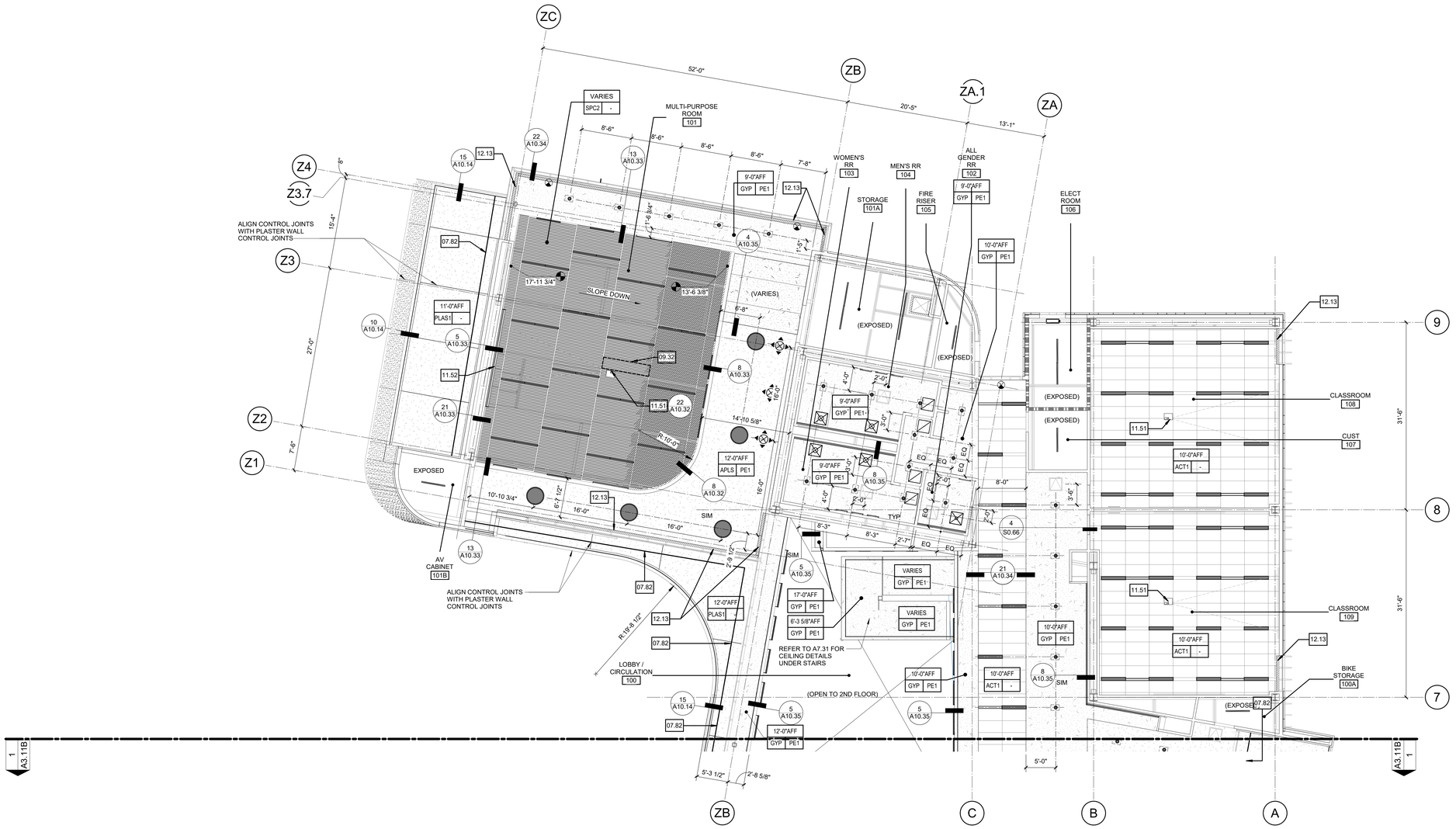
SHEET:

A3.11

8/3/2021 8:40:31 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET IF ORIGINAL SIZE 30"X42"



AGENCY APPROVAL:

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APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

07.82	SOFFIT VENT | 5/A10.14
09.32	WOOD GRILLE CEILING - LINEAR ACCESS PANEL | 11/A10.33
11.51	PROJECTOR (OFOI), MOUNT (CFCI) | 21/A10.32
11.52	PROJECTION SCREEN (OFOI) | 23/A10.32 | REFER TO AV
12.13	MOTORIZED DUAL ROLLER SHADES (BLACKOUT) | 19/A10.32, 24/A10.32(SIM)

LEGENDS

- GYP. BOARD
- EXTERIOR PLASTER CEILING
- CONTROL JOINT 5 / A10.32
- 24"x48" - 6" TECH-ZONE ACOUSTICAL CEILING TILE SYSTEM - ACT1 5 / A10.31
- 24"x24" ACOUSTIC TILE CEILING SYSTEM- ACT2 - 5 / A10.31
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- 24"x96" WOOD PANEL CEILING - SPC3 - 4 / A10.34
- WOOD GRILLE CEILING - SPC2 3 / A10.33
- WINDOW SHADE. SEE KEYNOTE FOR TYPE
- CEILING ACCESS PANEL - 17 / A10.32
- TUBULAR SKYLIGHT DIFFUSER - SEE DETAIL - 21 / A10.44
- SOFFIT VENT - 5 / A10.14
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- RECESSED LIGHTING FIXTURE - REFER TO ELEC
- TECHZONE LINEAR LIGHTING FIXTURE - REFER TO ELEC
- SURFACE MOUNTED LIGHTING FIXTURE - REFER TO ELEC
- TROFFER LIGHTING FIXTURE - REFER TO ELEC
- SPRINKLER HEAD - REFER TO FIRE PROTECTION
- CEILING HEIGHT* *VARIES = SLOPED CEILING - REFER TO SPOT ELEV.
- COLOR/FINISH (FACTORY FINISH IF BLANK)
- MATERIAL (REFER TO A9.31)
- FINISH MATERIAL/COLOR

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
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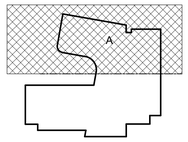
5. SEE A10.3X SERIES SHEETS FOR TYP CEILING DETAILS.
6. REFER TO MECHANICAL DRAWINGS FOR REGISTER INFORMATION.
7. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE INFORMATION
8. HEAD WALL ABOVE ALL DEMOUNTABLE PARTIONS TO BE WALL TYPE AS4A CONTINUED TO UNDERSIDE OF DECK.
9. LIGHTING FIXTURES SHALL BE CENTERED IN SPACE AS SHOWN, UNO

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CEILING PLAN - FIRST FLOOR - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

A3.11A

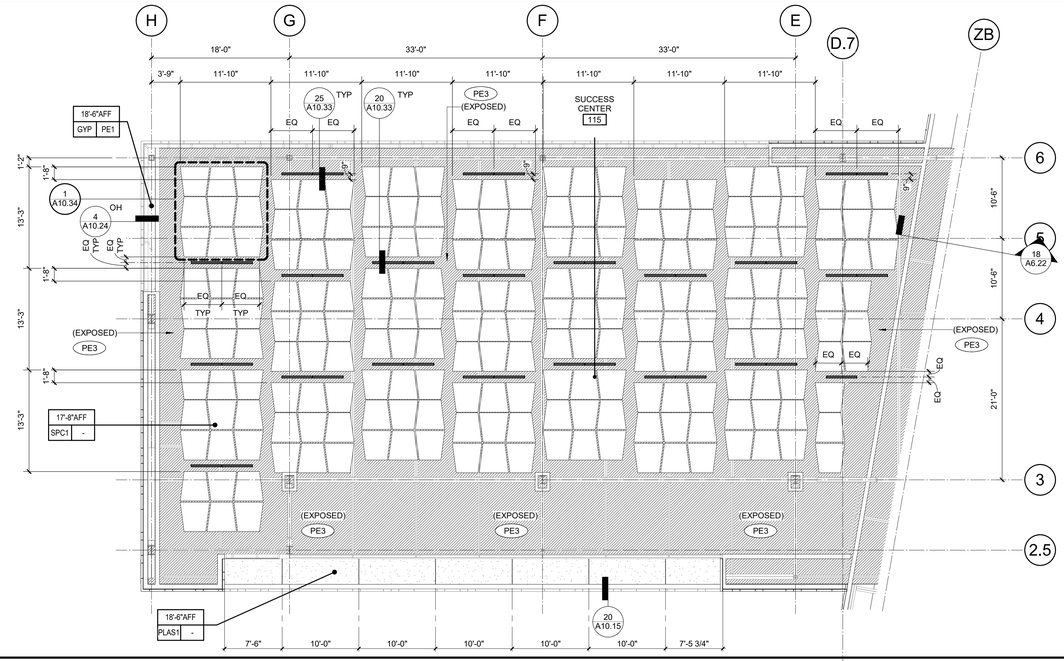
PN

CEILING PLAN - FIRST FLOOR - SEGMENT A | 1 | 1/8" = 1'-0"

8/5/2021 8:46:48 AM

PLEASE RECYCLE

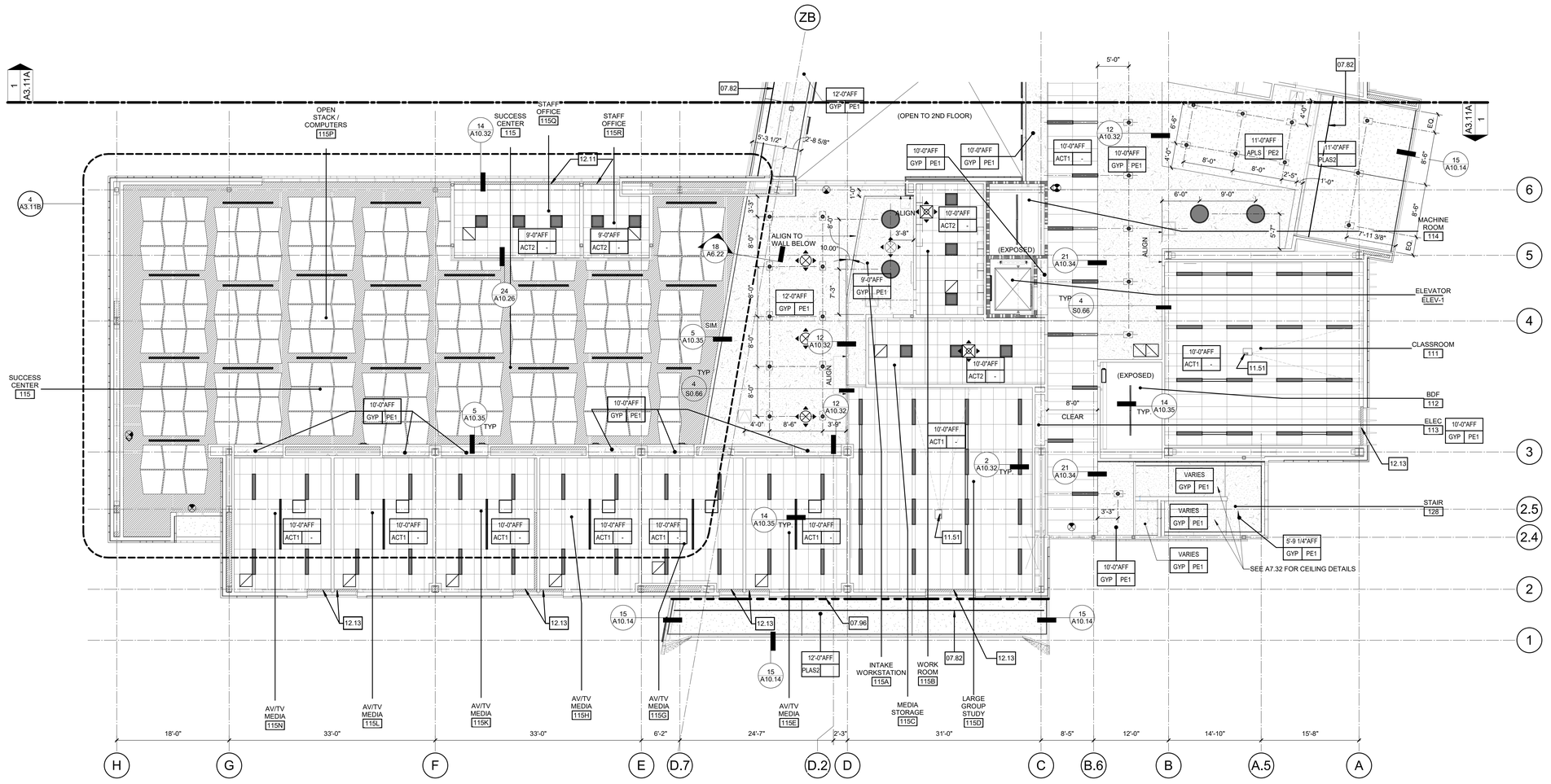
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D2)



CEILING PLAN - FIRST FLOOR - SEGMENT B (PARTIAL)

4

1/8" = 1'-0"



CEILING PLAN - FIRST FLOOR - SEGMENT B

1

1/8" = 1'-0"

PLEASE RECYCLE

8/6/2021 8:47:05 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

07.82	SOFFIT VENT | 5/A10.14
07.96	HORIZONTAL CONTROL JOINT | 8/A10.14
11.51	PROJECTOR (OFOI), MOUNT (CFCI) | 21/A10.32
12.11	MANUAL SINGLE ROLLER SHADE | 24/A10.32(SIM)
12.13	MOTORIZED DUAL ROLLER SHADES (BLACKOUT) | 19/A10.32, 24/A10.32(SIM)

LEGENDS

- GYP. BOARD
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- TROFFER LIGHTING FIXTURE - REFER TO ELEC
- SPRINKLER HEAD - REFER TO FIRE PROTECTION
- CEILING HEIGHT* *VARIES = SLOPED CEILING - REFER TO SPOT ELEV.
- 1'-0" AFF / MTL COL / FA
- COLOR/FINISH (FACTORY FINISH IF BLANK)
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NOTES

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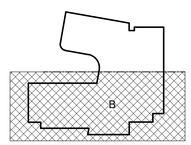


FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CEILING PLAN - FIRST FLOOR - SEGMENT B

DSA APPROVAL

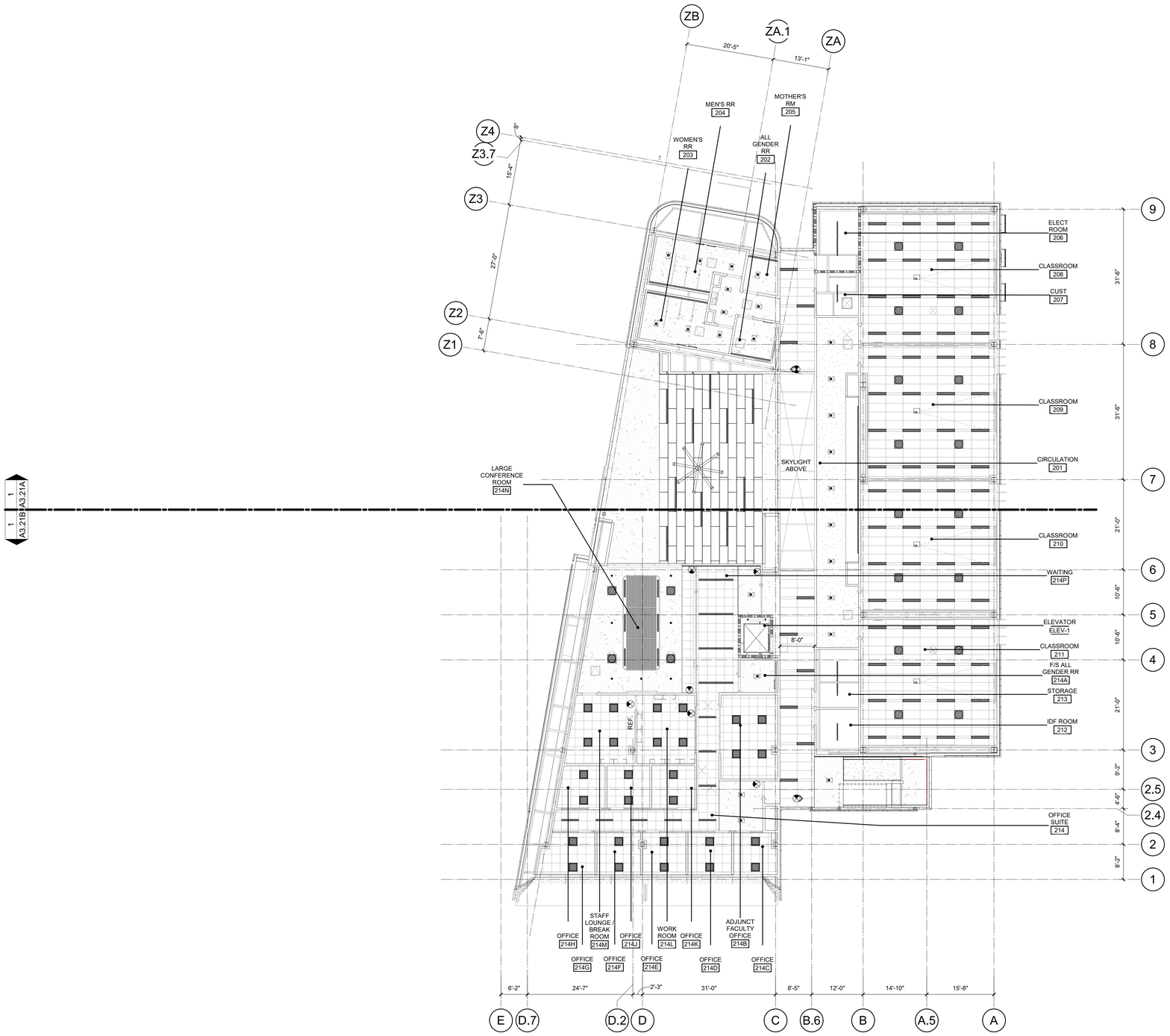
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

A3.11B

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D2)



CEILING PLAN - SECOND FLOOR - OVERALL | **1** 3/32" = 1'-0"

8/6/2021 8:47:15 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

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3546 CONCOURS STREET
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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

- GYP. BOARD
- EXTERIOR PLASTER CEILING
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- SPRINKLER HEAD - REFER TO FIRE PROTECTION
- CEILING HEIGHT* *VARIES = SLOPED CEILING - REFER TO SPOT ELEV.
- 1'-0" AFF
- MTL COL
- COLOR/FINISH (FACTORY FINISH IF BLANK)
- MATERIAL (REFER TO A9.31)
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NOTES

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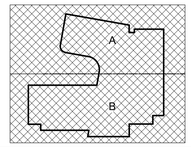
KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CEILING PLAN - SECOND FLOOR - OVERALL

DSA APPROVAL

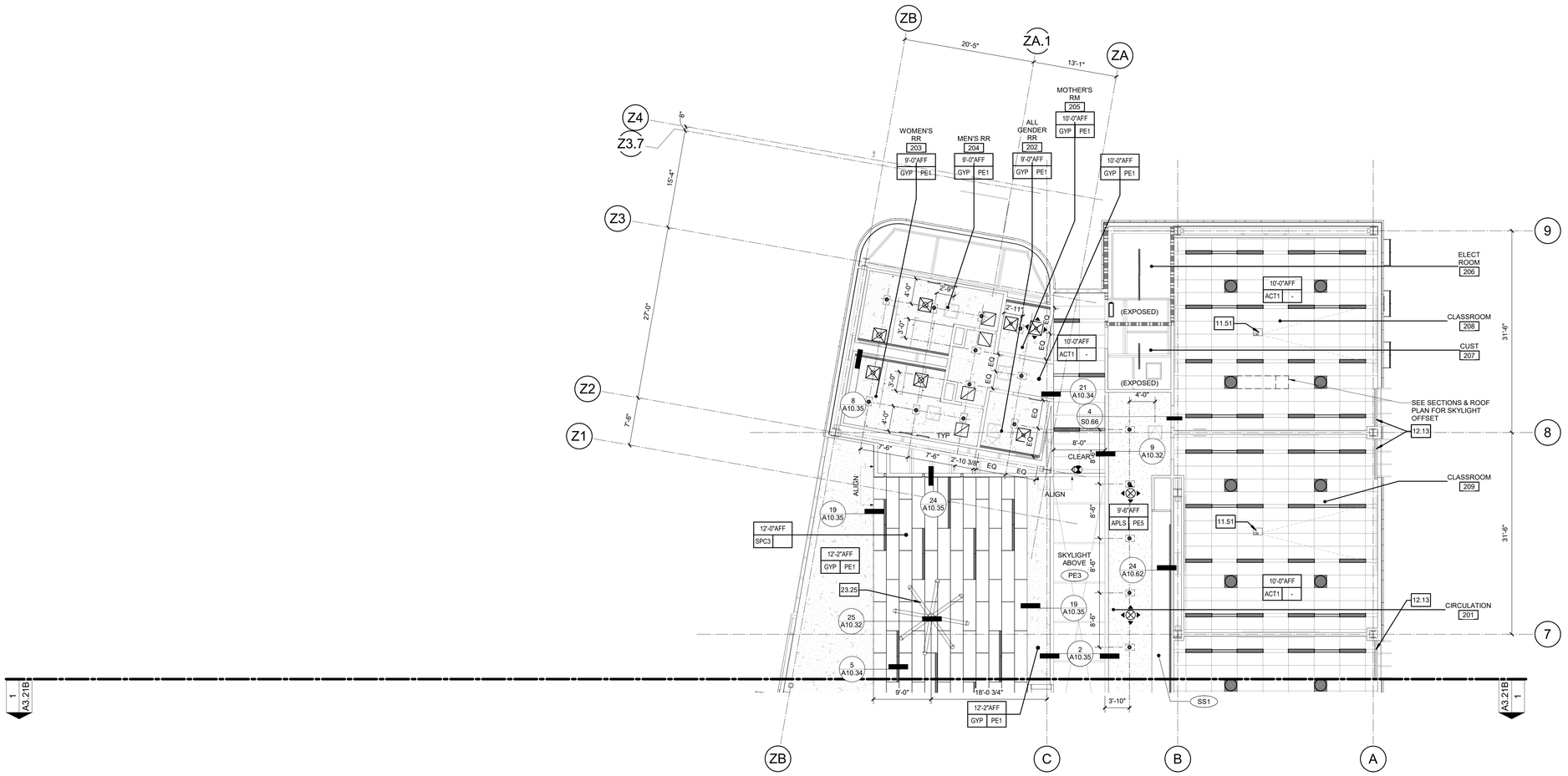
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A3.21

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE



PN

CEILING PLAN - SECOND FLOOR - SEGMENT A | **1** 1/8" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:47:24 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
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LICENSED ARCHITECT
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NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

11.51	PROJECTOR (OFOI), MOUNT (CFCI) | 21/A10.32	
12.13	MOTORIZED DUAL ROLLER SHADES (BLACKOUT) | 19/A10.32, 24/A10.32(SIM)	
23.25	HIGH VELOCITY LOW SPEED FAN | 20/A10.32 | MECHANICAL	

LEGENDS

- GYP. BOARD
- EXTERIOR PLASTER CEILING CONTROL JOINT 5 / A10.32
- 24"x48" - 6" TECH-ZONE ACOUSTICAL CEILING TILE SYSTEM - ACT1 5 / A10.31
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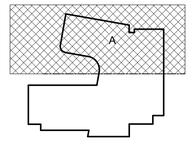
KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CEILING PLAN - SECOND FLOOR - SEGMENT A

DSA APPROVAL

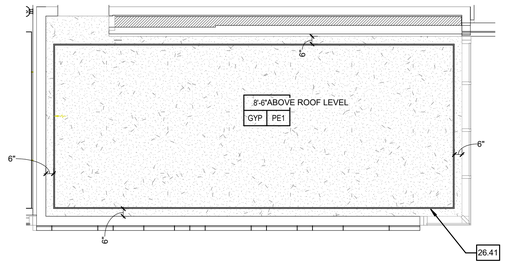
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A3.21A

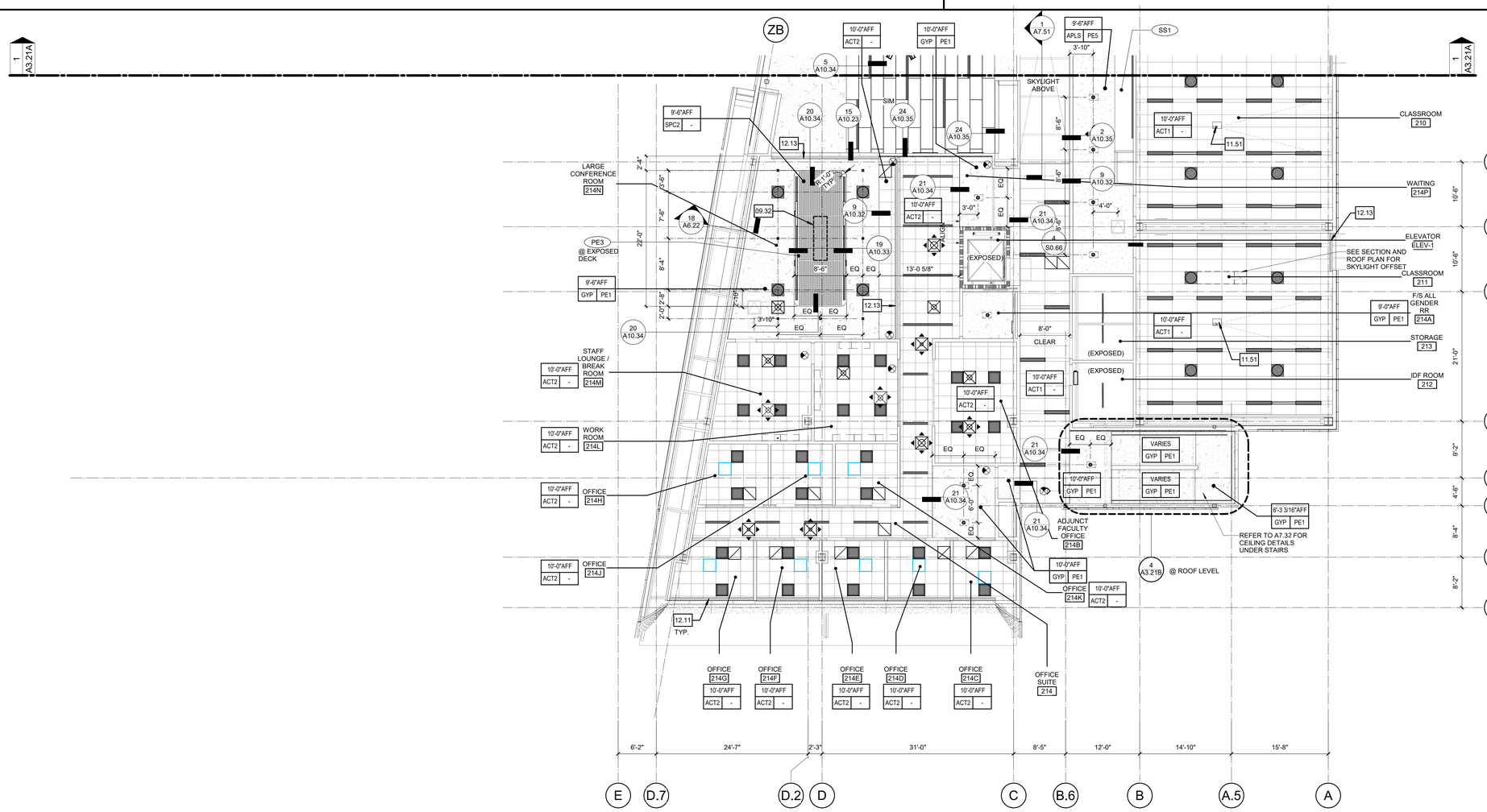
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



CEILING PLAN - ROOF LEVEL - PARTIAL - SOUTH STAIR

4

1/4" = 1'-0"



CEILING PLAN - SECOND FLOOR - SEGMENT B

1

1/8" = 1'-0"

PLEASE RECYCLE

5/5/2021 8:47:35 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

09.32	WOOD GRILLE CEILING - LINEAR ACCESS PANEL | 11/A10.33
11.51	PROJECTOR (OFOI), MOUNT (CFCI) | 21/A10.32
12.11	MANUAL SINGLE ROLLER SHADE | 24/A10.32(SIM)
12.13	MOTORIZED DUAL ROLLER SHADES (BLACKOUT) | 19/A10.32, 24/A10.32(SIM)
26.41	LIGHT FIXTURE | ELECTRICAL

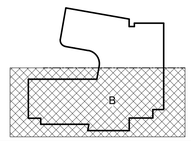
LEGENDS

- GYP. BOARD
- EXTERIOR PLASTER CEILING CONTROL JOINT 5 / A10.32
- 24"x48" - 6" TECH-ZONE ACOUSTICAL CEILING TILE SYSTEM - ACT1 5 / A10.31
- 24"x24" ACOUSTIC TILE CEILING SYSTEM- ACT2 - 5 / A10.31
- CLOUD CEILING - SPC1 - 1 / A10.34
- 24"x96" WOOD PANEL CEILING - SPC3 - 4 / A10.34
- WOOD GRILLE CEILING - SPC2 3 / A10.33
- WINDOW SHADE. SEE KEYNOTE FOR TYPE
- CEILING ACCESS PANEL - 17 / A10.32
- TUBULAR SKYLIGHT DIFFUSER - SEE DETAIL - 21 / A10.44
- SOFFIT VENT - 5 / A10.14
- MECHANICAL REGISTERS, GRILLS, ETC. REFER TO MECHANICAL DWGS
- CEILING/WALL MOUNTED ILLUMINATED EXIT SIGNS. (VARIATIONS AS INDICATED ON PLANS), REFER TO ELEC
- LINEAR LIGHTING FIXTURE - REFER TO ELEC
- RECESSED LIGHTING FIXTURE - REFER TO ELEC
- TECHZONE LINEAR LIGHTING FIXTURE - REFER TO ELEC
- SURFACE MOUNTED LIGHTING FIXTURE - REFER TO ELEC
- TROFFER LIGHTING FIXTURE - REFER TO ELEC
- SPRINKLER HEAD - REFER TO FIRE PROTECTION
- CEILING HEIGHT* *VARIES = SLOPED CEILING - REFER TO SPOT ELEV.
- COLOR/FINISH (FACTORY FINISH IF BLANK)
- MATERIAL (REFER TO A9.31)
- FINISH MATERIAL/COLOR

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. LAY OUT ACOUSTIC CEILING TILE GRID FROM CENTER OF ROOMS, BOTH DIRECTIONS, UNO
3. ALL DIMENSIONS ARE TO FACE OF GYP. UNO
4. THE EXTENT OF ACCESS DOORS AND EQUIPMENT, AS SHOWN ON THE REFLECTED CEILING PLANS DO NOT NECESSARILY REPRESENT THEIR FULL LIMITS. ADDITIONAL ACCESS DOORS MAY BE REQUIRED TO SERVICE EQUIPMENT NOT SHOWN ON THESE PLANS.
5. SEE A10.3X SERIES SHEETS FOR TYP CEILING DETAILS.
6. REFER TO MECHANICAL DRAWINGS FOR REGISTER INFORMATION.
7. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE INFORMATION
8. HEAD WALL ABOVE ALL DEMOUNTABLE PARTIONS TO BE WALL TYPE AS4A CONTINUED TO UNDERSIDE OF DECK.
9. LIGHTING FIXTURES SHALL BE CENTERED IN SPACE AS SHOWN, UNO

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CEILING PLAN - SECOND FLOOR - SEGMENT B

DSA APPROVAL

FILE NO.: 36-C1 | A#: 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

A3.21B

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE

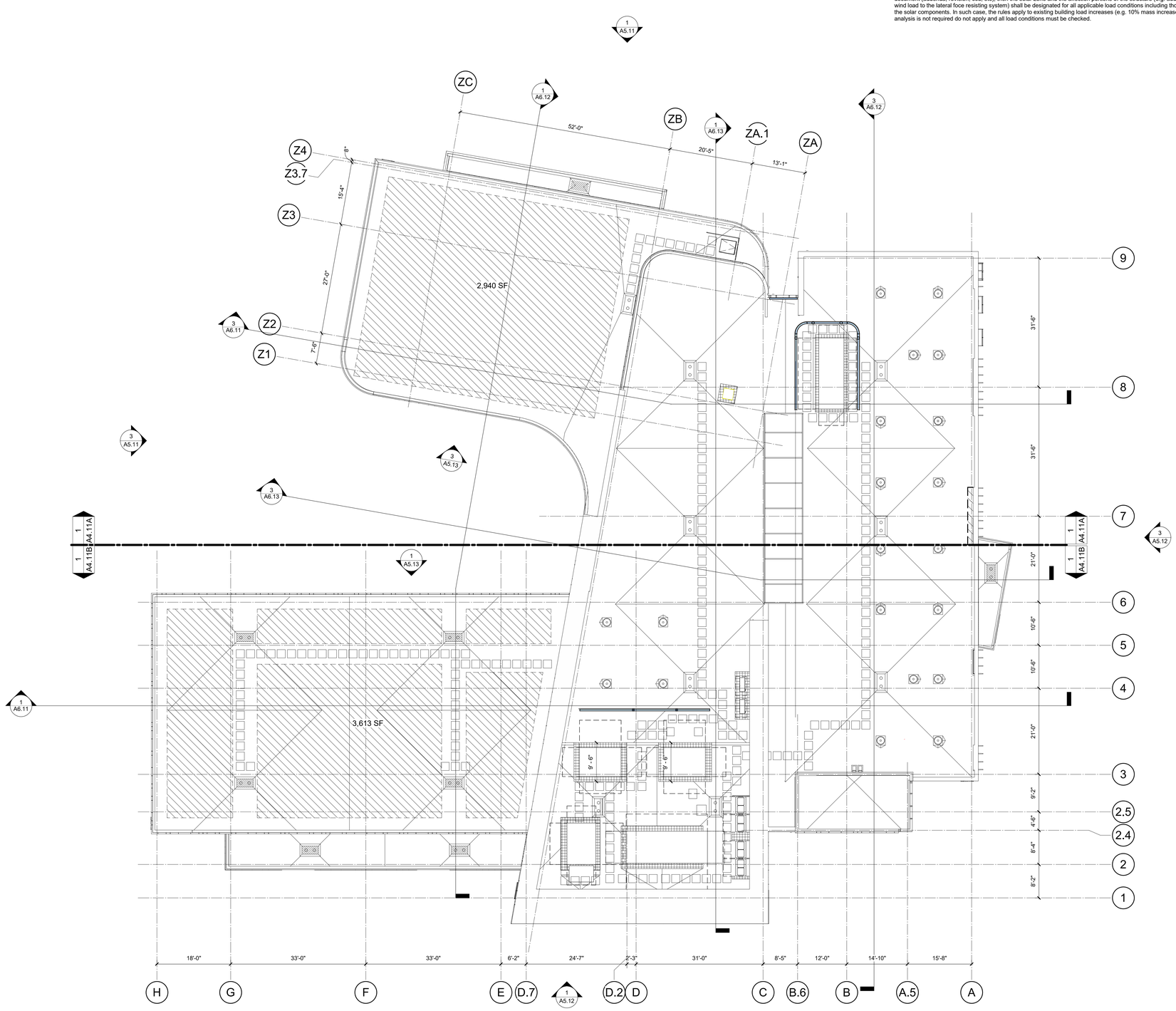
CEC Section 110.10(b)4 states:

Structural design loads on construction documents. For areas on the roof designated as solar zone, the structural design loads for roof dead load and roof live load shall be clearly indicated on the construction documents. Note: Section 110.10(b)4 does not require the inclusion of any collateral loads for future energy systems.

Where poritons of the roof are designated as solar zones, the DSA-SS plan reviewers shall verify that the building design loads (dead load, roof live load, any superimposed load for future solar components, etc) for the solar zone be clearly inicated on the construction documents. The selection of the superimposed design loads for future solar components are solely at the discretion of the design professional and DSA will not mandate any additional prescribed minimum load. As a minimum, DSA will require the solar zone to be designated for the loads prescribed in teh CBC assuming no solar components are present. The DSA-SS plan review will not review the solar zone for compliance with other sections of the CEC Section 110.10.

When Solar components are not part of the DSA building submital as descrived above, the future project will require a seperate DSA applicaiton, and at that time, the building structure will be evaluated for the additional load conditions as an alteration to an existing school building

If the client chooses to include solar components in the DSA building submittal or add the solar components as a change document (addenda, revision, ccd, etc), then the solar zone and the affection portions of the structure (e.g. additional mass or wind load to the lateral foce resisting system) shall be designated for all applicable load conditions including those imposed by the solar components. In such case, the rules apply to existing building load increases (e.g. 10% mass increase) for which analysis is not required do not apply and all load conditions must be checked.



PN

ROOF PLAN | **1**
3/32" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:47:49 AM

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KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

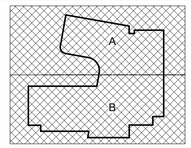
LEGENDS

- WALK PADS
- ROOF ACCESS HATCH - 21 / A10.41
- TUBULAR SKYLIGHTS - 21 / A10.44, 23 / A10.44
- DIRECTION OF ROOF SLOPE 1/4" PER FT MIN.
- ROOF AND OVERFLOW DRAIN - 12 / A10.41
- DESIGNATED FUTURE PV AREA (INSTALLATION OF FUTURE PV PANELS WILL BE UNDER SEPARATE DSA APPLICATION)
- FLAT STRIP BIRD DETERRANT SYSTEM, TWO ROWS - 8 / A10.41
- FLAT STRIP BIRD DETERRANT GEL - 9 / A10.41

NOTES

1. FOR ROOF ASSEMBLY, FLASHING, CURB, PENETRATIONS, EQUIPMENT PLATFORM DETAILS, ETC, REFER TO A10.41, A10.42, A10.43, A10.44
2. ALL ROOF FLASHING TO BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS
3. PARAPET WALL FRAMING TO BE WALL TYPE, AS6A, UNO.

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF PLAN

DSA APPROVAL

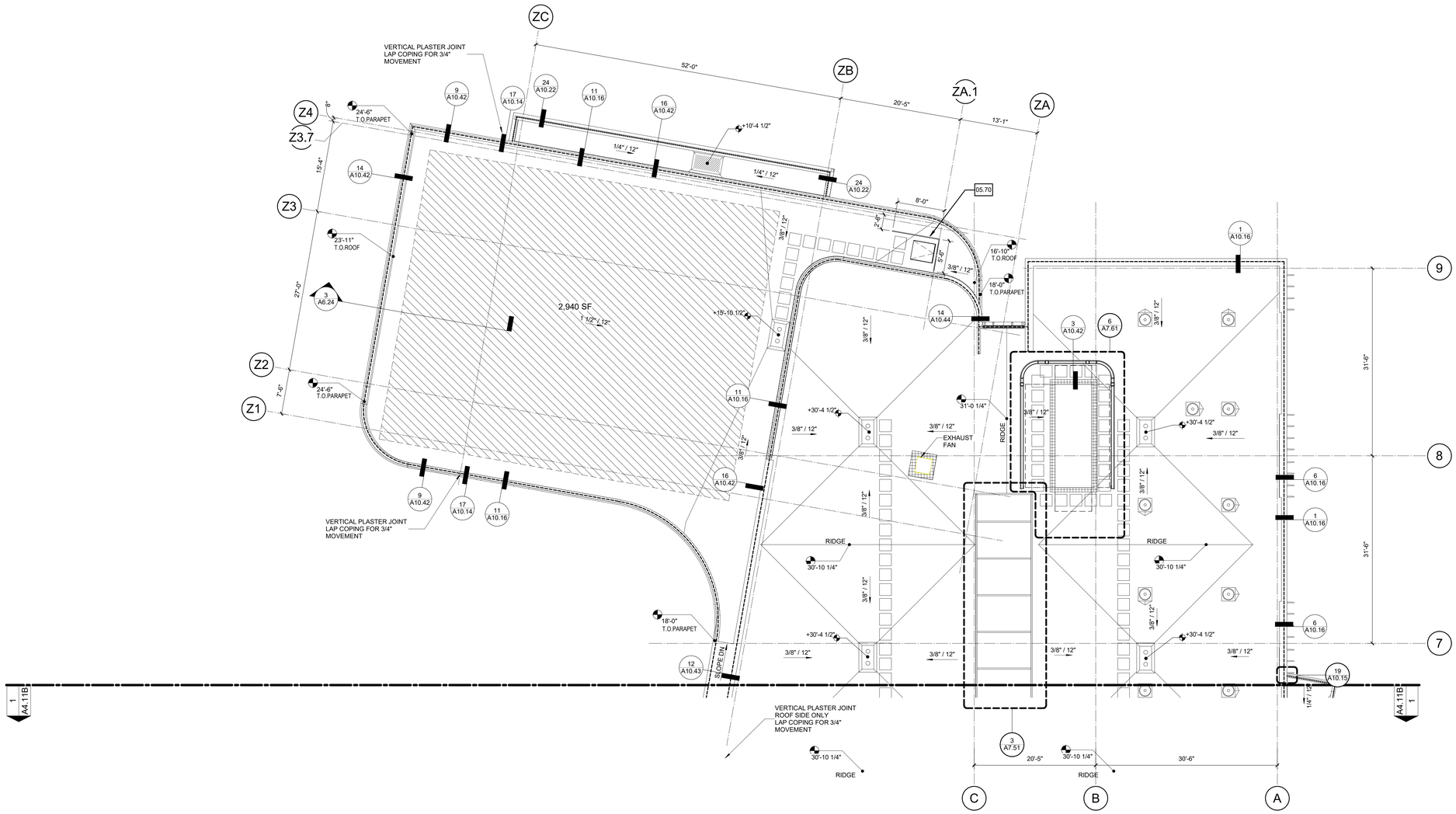
FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A4.11

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



AGENCY APPROVAL:

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Δ	DESCRIPTION	DATE

KEYNOTES

05.70 METAL GUARD RAIL AT ROOF HATCH | 13A10.41

LEGENDS

- WALK PADS
- ROOF ACCESS HATCH - 21 / A10.41
- TUBULAR SKYLIGHTS - 21 / A10.44, 23 / A10.44
- DIRECTION OF ROOF SLOPE 1/4" PER FT MIN.
- ROOF AND OVERFLOW DRAIN - 12 / A10.41
- DESIGNATED FUTURE PV AREA (INSTALLATION OF FUTURE PV PANELS WILL BE UNDER SEPARATE DSA APPLICATION)
- FLAT STRIP BIRD DETERRANT SYSTEM, TWO ROWS - 8 / A10.41
- FLAT STRIP BIRD DETERRANT GEL - 9 / A10.41

NOTES

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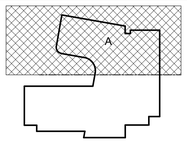
2. ALL ROOF FLASHING TO BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS
3. PARAPET WALL FRAMING TO BE WALL TYPE, AS6A, UNO.

KEY PLAN:



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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

A4.11A

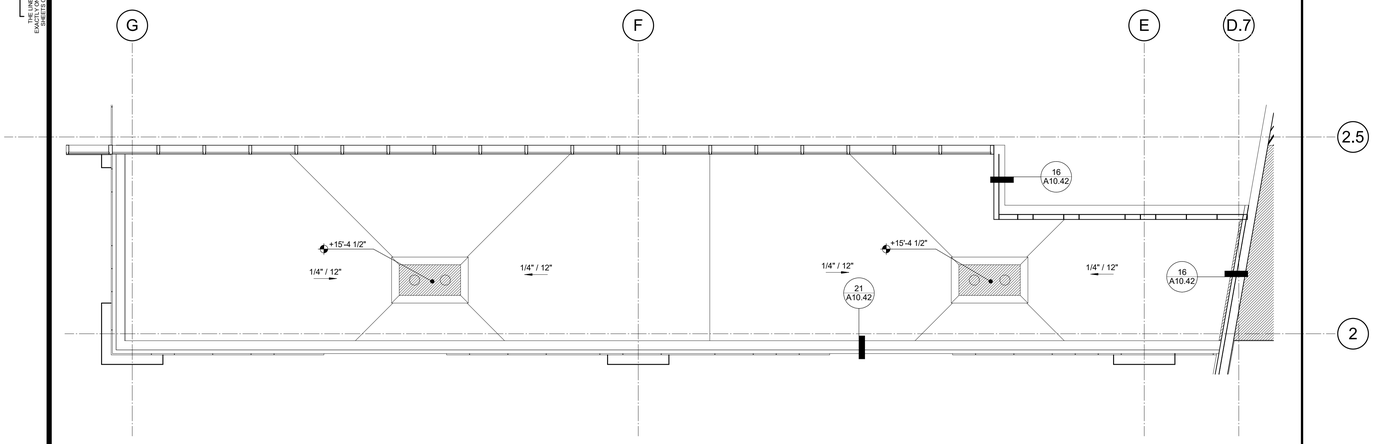
TN
PN

ROOF PLAN - SEGMENT A | **1** | 1/8" = 1'-0"

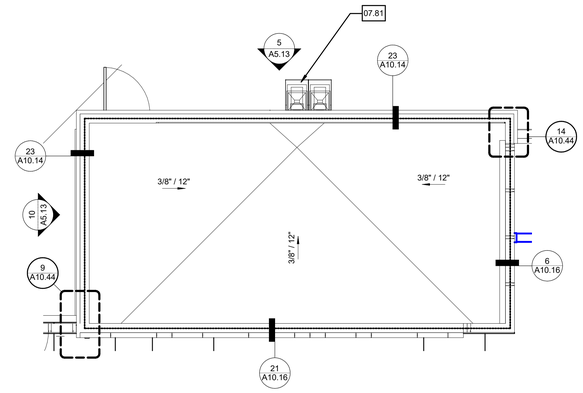
PLEASE RECYCLE

8/5/2021 8:47:58 AM

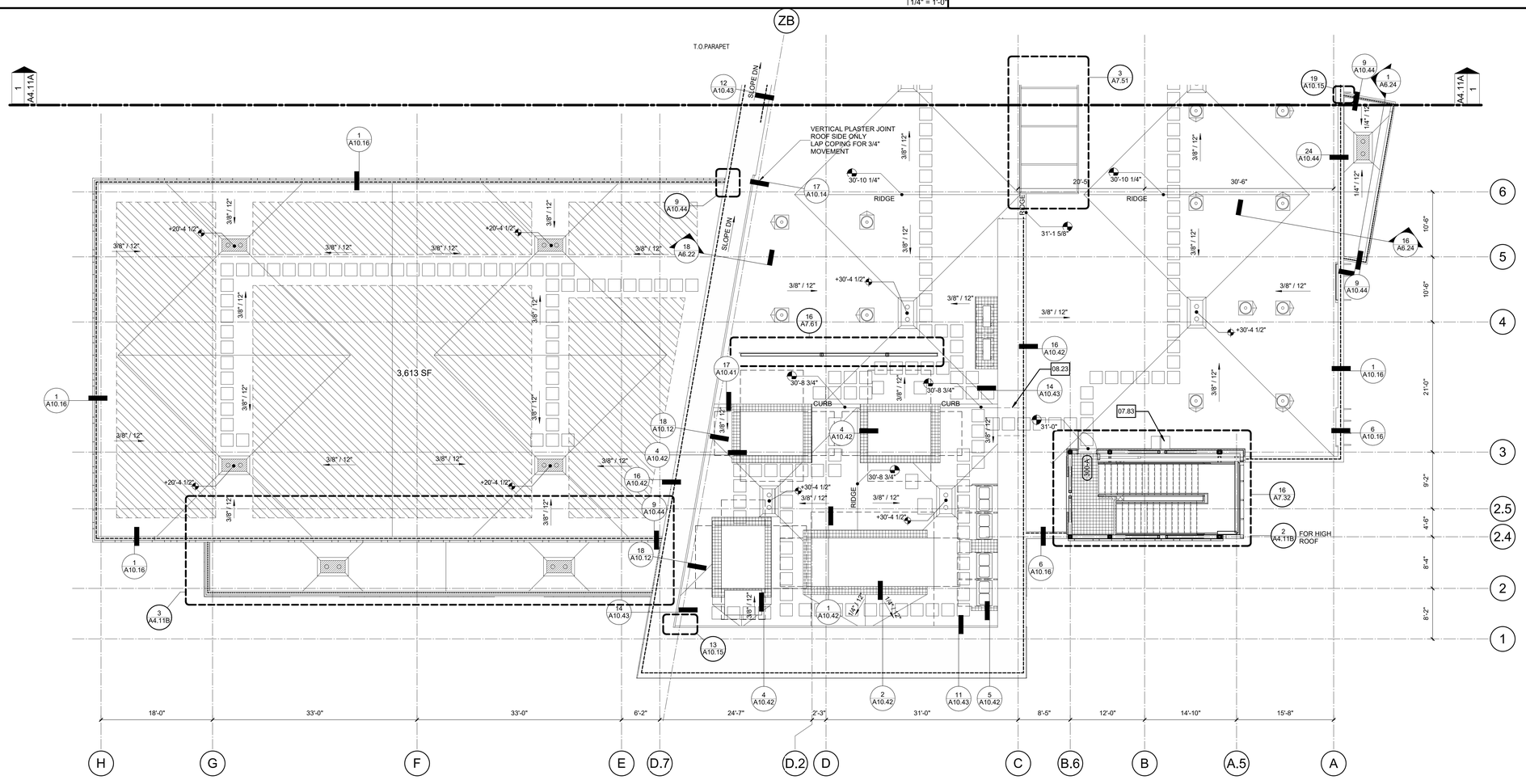
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLANS SHEET IS ORIGINAL SIZE



LOWER ROOF AT SUCCESS CENTER | 3
1/4" = 1'-0"



ROOF PLAN - PARTIAL - SOUTH STAIR | 2
1/4" = 1'-0"



ROOF PLAN - SEGMENT B | 1
1/8" = 1'-0"

PN

KEYNOTES

07.81	DOWNSPOUT | 5/A10.43
07.83	SPLASH PAN AT DOWNSPOUT | 6/A10.43
08.23	WALL OPENING | SEE BUILDING SECTIONS

LEGENDS

- WALK PADS
- ROOF ACCESS HATCH - 21 / A10.41
- TUBULAR SKYLIGHTS - 21 / A10.44, 23 / A10.44
- DIRECTION OF ROOF SLOPE 1/4" PER FT MIN.
- ROOF AND OVERFLOW DRAIN - 12 / A10.41
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NOTES

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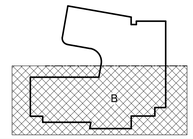
KEY PLAN:



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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF PLAN - SEGMENT B

DSA APPROVAL

FILE NO.: **36-C1** A#: **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A4.11B

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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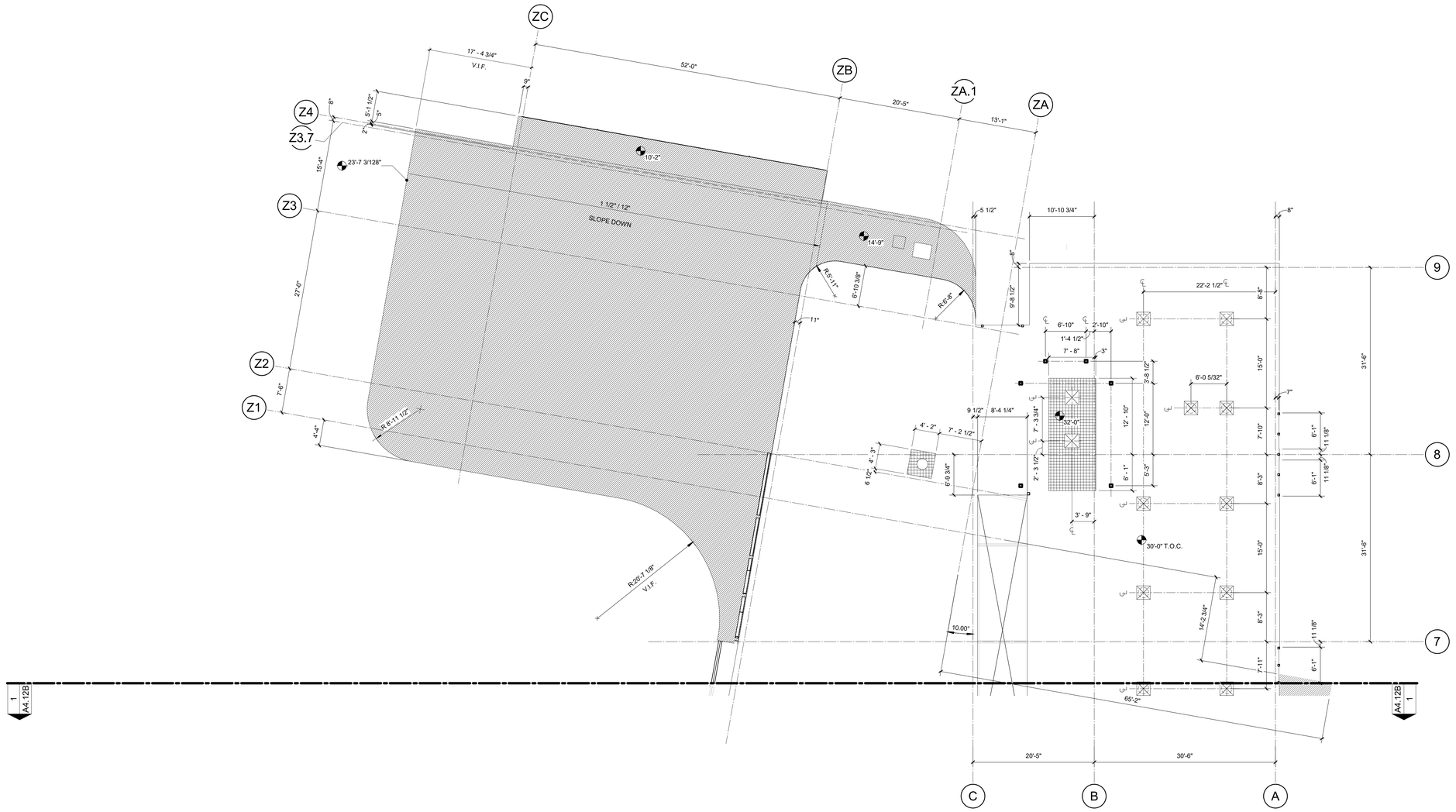

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KEYNOTES

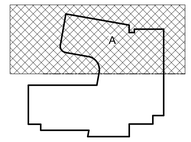
LEGENDS

- CONCRETE FILLED METAL DECK - REFER TO STRUCTURAL
- BARE METAL DECK - REFER TO STRUCTURAL
- MEP PAD - REFER TO STRUCTURAL
- DECK OPENING - SKYLIGHT
- DECK OPENING - TUBULAR SKYLIGHT, REFER TO MFR'S INSTRUCTIONS FOR OPENING SIZE

NOTES

1. REFER TO DIMENSION PLANS AND WALL TYPES FOR ADDITIONAL INFO AT INTERIOR WALL LOCATONS
2. CONTRACTOR TO COORDINATE PRECISE LOCATIONS WITH ENLARGED PLANS
3. EXTERIOR FINISH GRADE AT DOORS TO BE 1/4" BELOW BUILDING FINISH FLOOR. TYPICAL ALL LOCATIONS. REFER TO CIVIL DRAWINGS
4. COORDINATE DEPRESSED SLAB DEPTH WITH FINISH MATERIAL SUBMITTALS/SHOP DRAWINGS
5. COORDINATE ALL SLAB OPENINGS, PAD SIZES, ETC. WITH MEP SHOP DRAWINGS
6. ALL SPOT ELEVATIONS ARE MEASURED FROM PROJECT BASE POINT UNLESS NOTED OTHERWISE

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF SLAB PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

A4.12A

ROOF DECK PLAN - SEGMENT A | **1** 1/8" = 1'-0"

8/5/2021 8:48:29 AM

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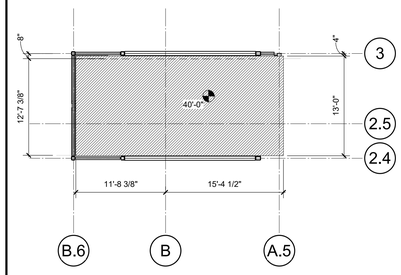
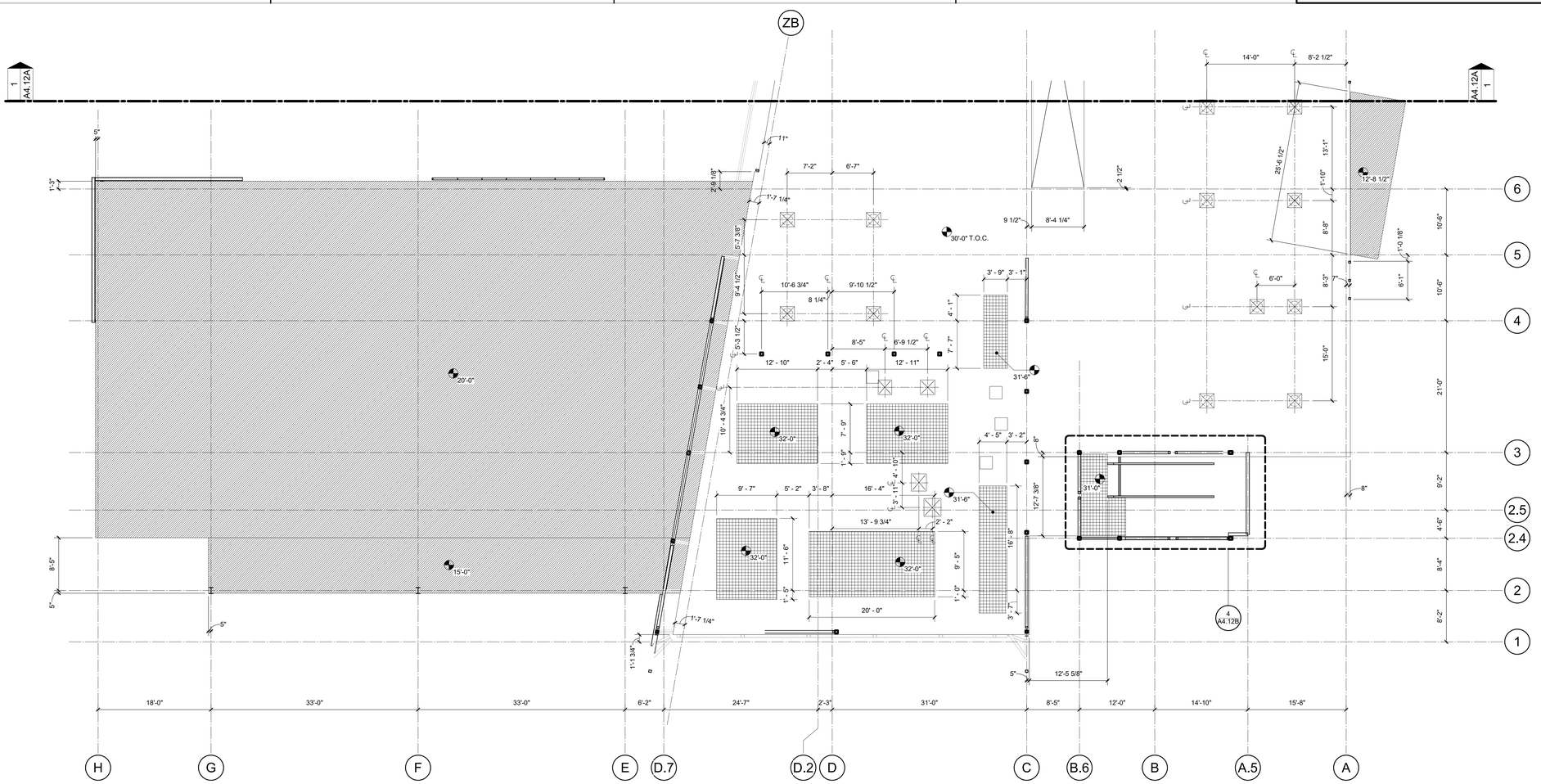


ROOF DECK PLAN - PARTIAL - SEGMENT B - Callout 1 | **4** 1/8" = 1'-0"



ROOF DECK PLAN - SEGMENT B | **1** 1/8" = 1'-0"

8/5/2021 8:48:27 AM

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KEYNOTES

LEGENDS

- CONCRETE FILLED METAL DECK - REFER TO STRUCTURAL
- BARE METAL DECK - REFER TO STRUCTURAL
- MEP PAD - REFER TO STRUCTURAL
- DECK OPENING - SKYLIGHT
- DECK OPENING - TUBULAR SKYLIGHT, REFER TO MFR'S INSTRUCTIONS FOR OPENING SIZE

NOTES

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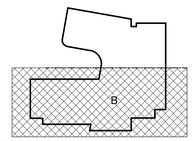
2. CONTRACTOR TO COORDINATE PRECISE LOCATIONS WITH ENLARGED PLANS
3. EXTERIOR FINISH GRADE AT DOORS TO BE 1/4" BELOW BUILDING FINISH FLOOR. TYPICAL ALL LOCATIONS. REFER TO CIVIL DRAWINGS
4. COORDINATE DEPRESSED SLAB DEPTH WITH FINISH MATERIAL SUBMITTALS/SHOP DRAWINGS
5. COORDINATE ALL SLAB OPENINGS, PAD SIZES, ETC. WITH MEP SHOP DRAWINGS
6. ALL SPOT ELEVATIONS ARE MEASURED FROM PROJECT BASE POINT UNLESS NOTED OTHERWISE

KEY PLAN:



FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF SLAB PLAN - SEGMENT B

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

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A4.12B

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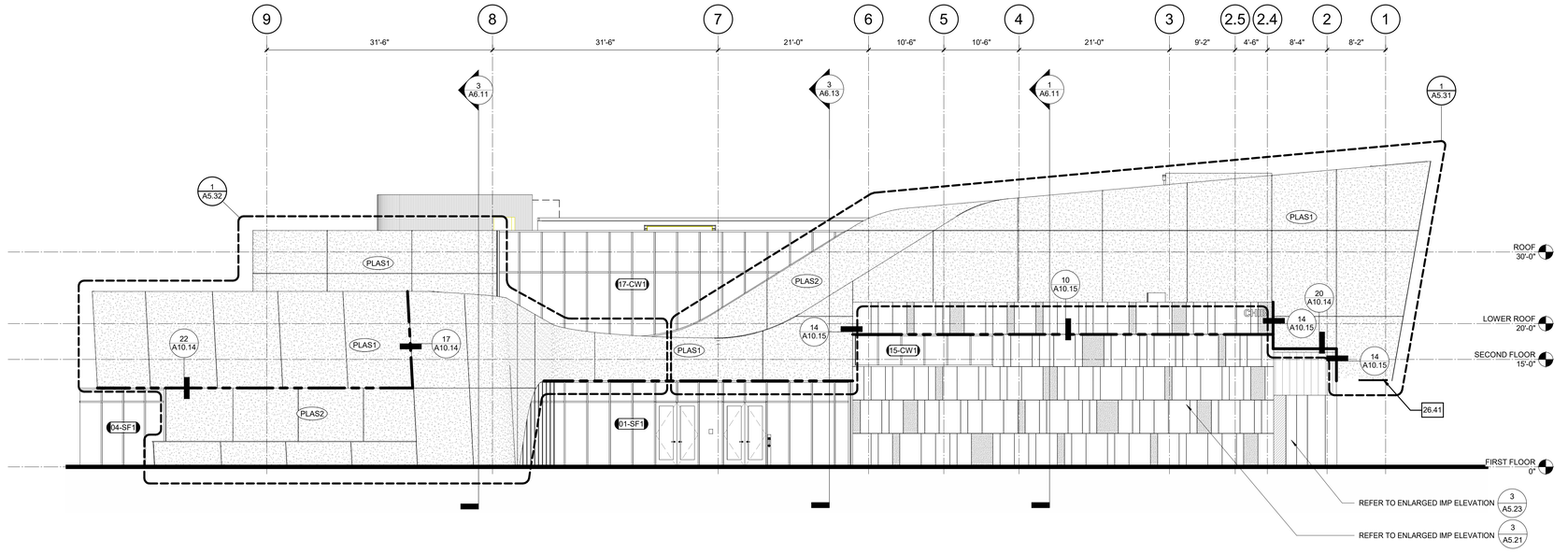
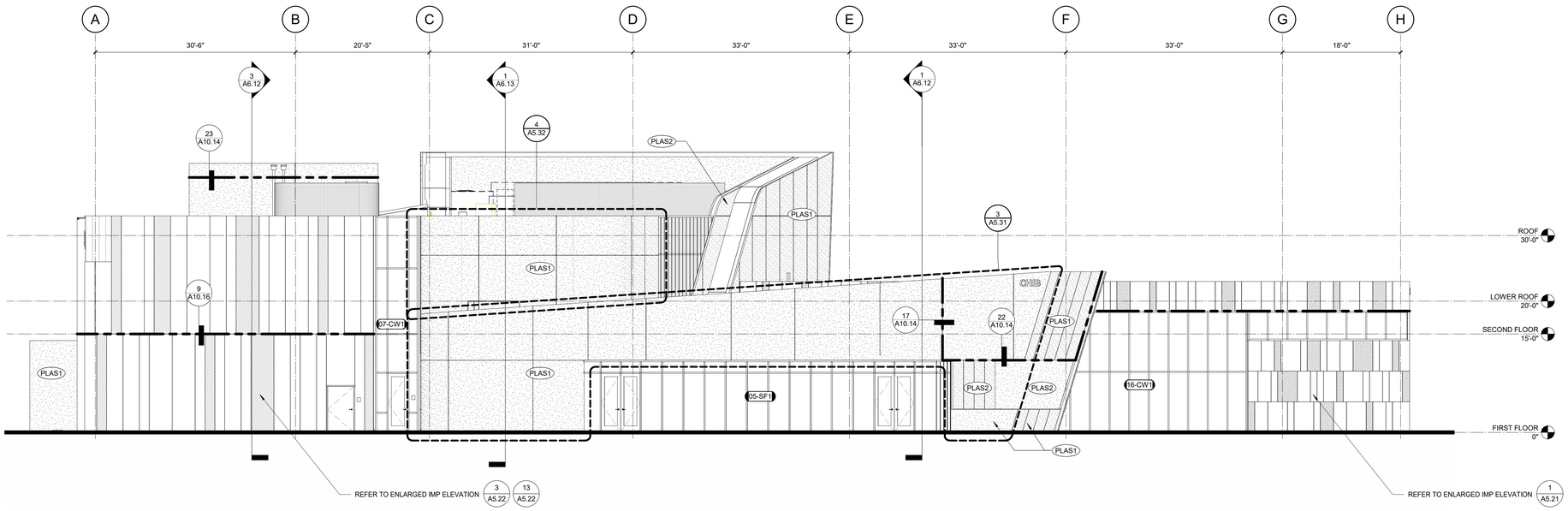


ELEVATION - EXTERIOR - WEST

3 — 1/8" = 1'-0"



ELEVATION - EXTERIOR - NORTH

1 — 1/8" = 1'-0"

8/5/2021 8:43:46 AM

PLEASE RECYCLE

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KEYNOTES

26.41 LIGHT FIXTURE | ELECTRICAL

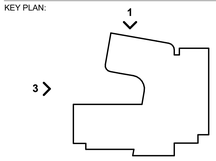
LEGENDS

- INSULATED METAL PANEL REFER - 1 / A10.15 TO TYP. ASSEMBLY DETAIL
- INSULATED METAL PANEL - 1 / A10.15 REFER TO TYP. ASSEMBLY DETAIL
- INSULATED METAL PANELL - 1 / A10.15 REFER TO TYP. ASSEMBLY DETAIL
- EXTERIOR PLASTER - 1 / A10.14 REFER TO TYP ASSEMBLY DETAIL
- PLASTER CONTROL JOINTS - 2 / A10.14
- DRIFT JOINT - REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION
- EP1 — MATERIAL FINISH TAG - REFER TO MATERIAL FINISH SCHEDULE AND SPECIFICATIONS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO SHEET A5.21, A5.22, A5.23 FOR ADDITIONAL INFORMATION ON INSULATED METAL PANEL SIZES & COLORS.
3. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS.

KEY PLAN:



FACILITY:

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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR ELEVATIONS

DSA APPROVAL

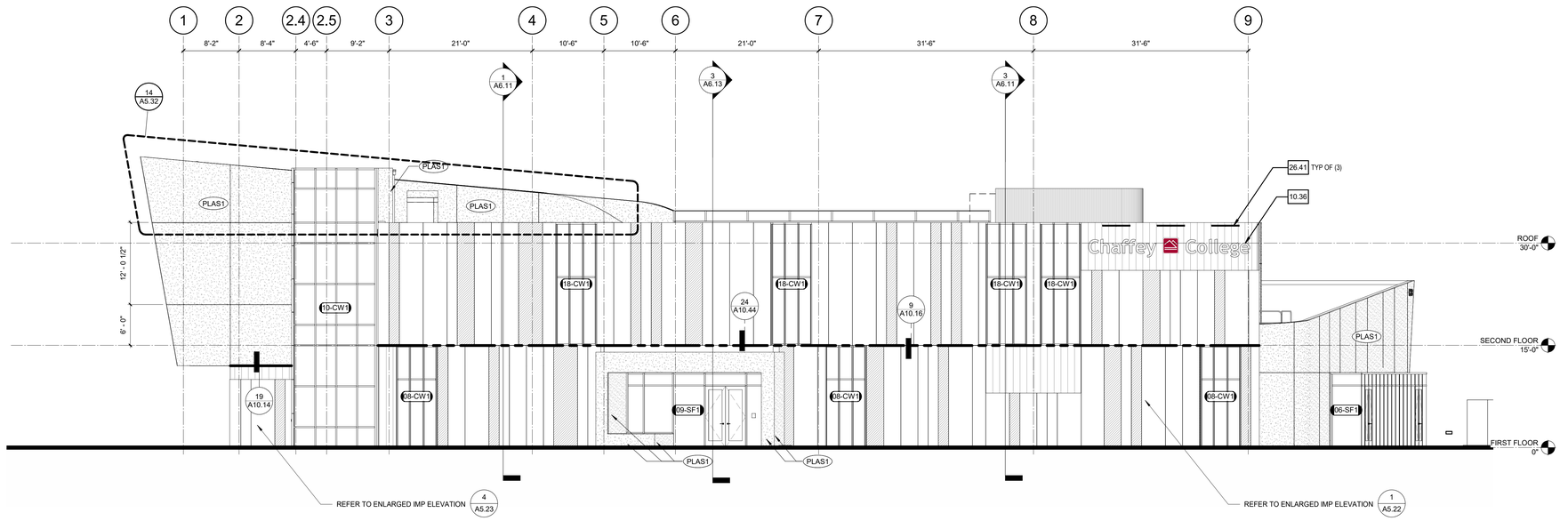
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

A5.11

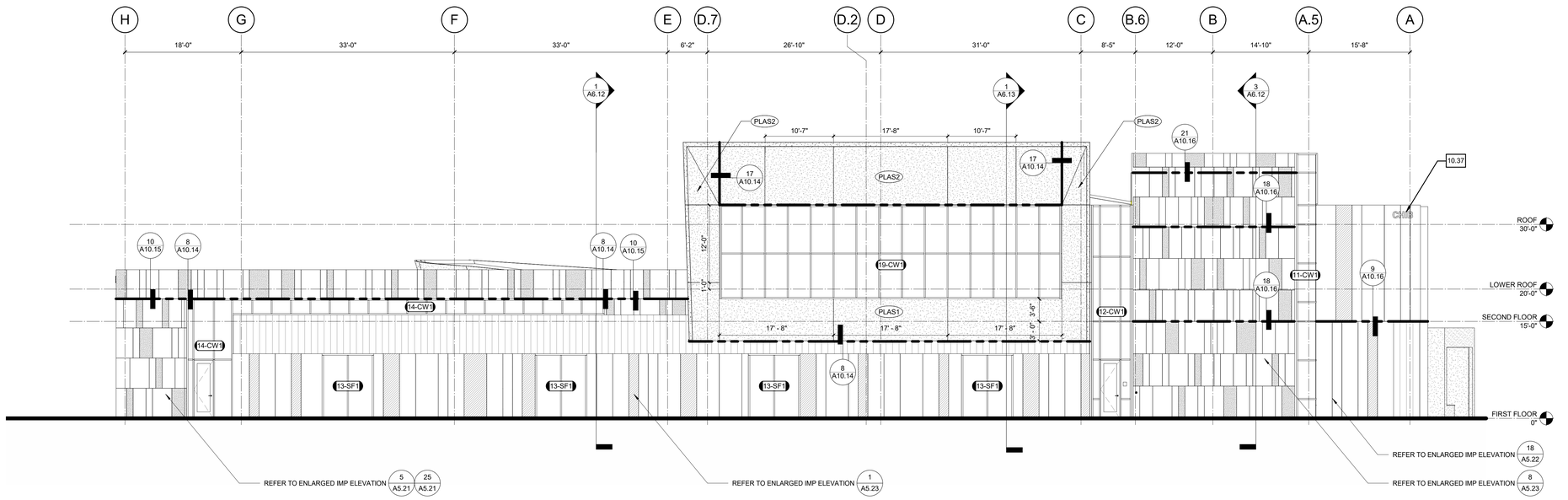
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET IF ORIGINAL SIZE (D)



ELEVATION - EXTERIOR - EAST

3

1/8" = 1'-0"



ELEVATION - EXTERIOR - SOUTH

1

1/8" = 1'-0"

8/5/2021 8:49:05 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

10.36	INDIVIDUAL CAST ALUMINUM SIGN - EXTERIOR | 14/A10.81
10.37	INDIVIDUAL FLAT CUT ALUMINUM SIGN - EXTERIOR | 15/A10.81
26.41	LIGHT FIXTURE | ELECTRICAL

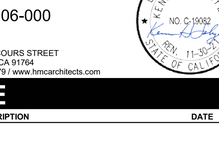
LEGENDS

- INSULATED METAL PANEL REFER - 1 / A10.15 TO TYP. ASSEMBLY DETAIL
- INSULATED METAL PANEL - 1 / A10.15 REFER TO TYP. ASSEMBLY DETAIL
- INSULATED METAL PANELL - 1 / A10.15 REFER TO TYP. ASSEMBLY DETAIL
- EXTERIOR PLASTER - 1 / A10.14 REFER TO TYP. ASSEMBLY DETAIL
- PLASTER CONTROL JOINTS - 2 / A10.14
- DRIFT JOINT - REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION
- EP1 — MATERIAL FINISH TAG - REFER TO MATERIAL FINISH SCHEDULE AND SPECIFICATIONS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO SHEET A5.21, A5.22, A5.23 FOR ADDITIONAL INFORMATION ON INSULATED METAL PANEL SIZES & COLORS.
3. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS.

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR ELEVATIONS

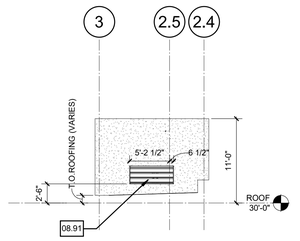
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

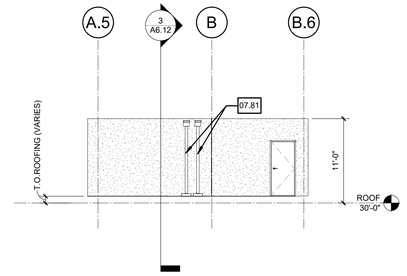
DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

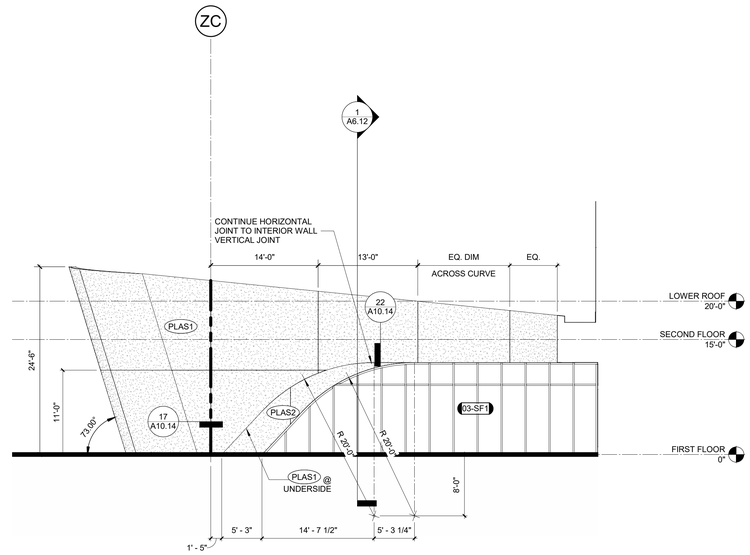
A5.12



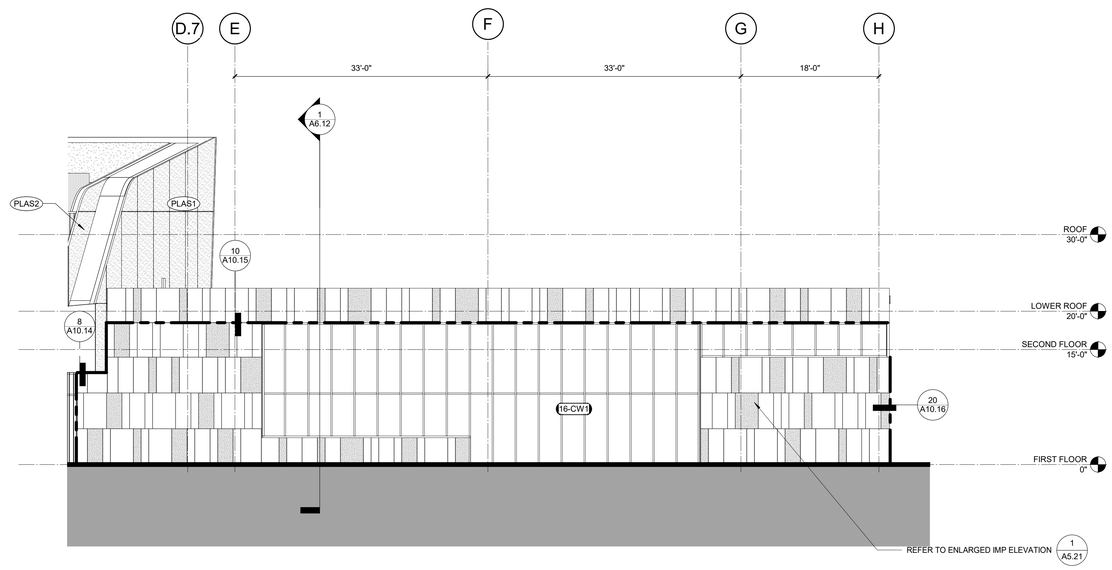
SOUTH STAIR - PARTIAL ELEVATION - WEST - ROOFTOP **10** 1/8" = 1'-0"



SOUTH STAIR - PARTIAL ELEVATION - NORTH - ROOFTOP **5** 1/8" = 1'-0"



PARTIAL ELEVATION - SOUTH **3** 1/8" = 1'-0"



PARTAIL ELEVATION - NORTH **1** 1/8" = 1'-0"

PLEASE RECYCLE

8/3/2021 8:49:17 AM

AGENCY APPROVAL:

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

07.81 DOWNSPOUT | 5/A10.43
08.91 LOUVERS AND VENTS | 1 & 4/A10.44

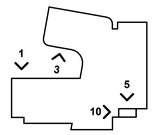
LEGENDS

- INSULATED METAL PANEL REFER - 1 / A10.15 TO TYP. ASSEMBLY DETAIL
- INSULATED METAL PANEL - 1 / A10.15 REFER TO TYP. ASSEMBLY DETAIL
- INSULATED METAL PANELL - 1 / A10.15 REFER TO TYP. ASSEMBLY DETAIL
- EXTERIOR PLASTER - 1 / A10.14 REFER TO TYP ASSEMBLY DETAIL
- PLASTER CONTROL JOINTS - 2 / A10.14
- DRIFT JOINT - REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION
- EP1 — MATERIAL FINISH TAG - REFER TO MATERIAL FINISH SCHEDULE AND SPECIFICATIONS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO SHEET A5.21, A5.22, A5.23 FOR ADDITIONAL INFORMATION ON INSULATED METAL PANEL SIZES & COLORS.
3. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS.

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

PARTIAL EXTERIOR ELEVATIONS

DSA APPROVAL

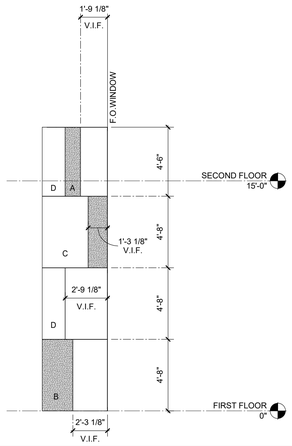
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A5.13

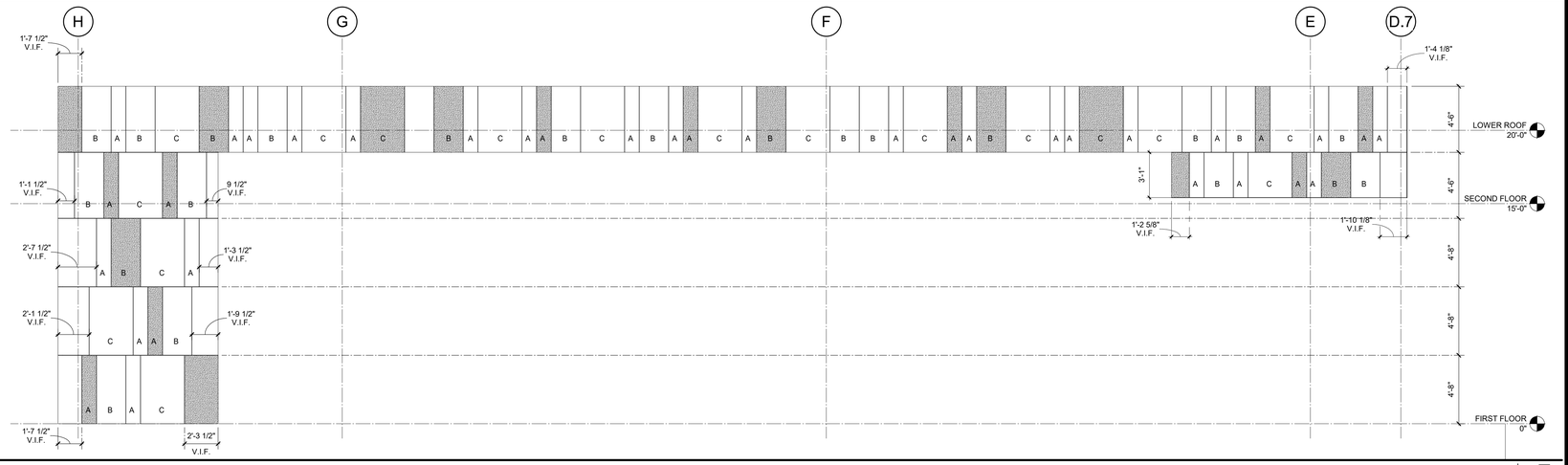
THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED ON ORIGINAL SHEET SIZE



INSULATED METAL PANELS - PARTIAL ELEVATION - EAST

25

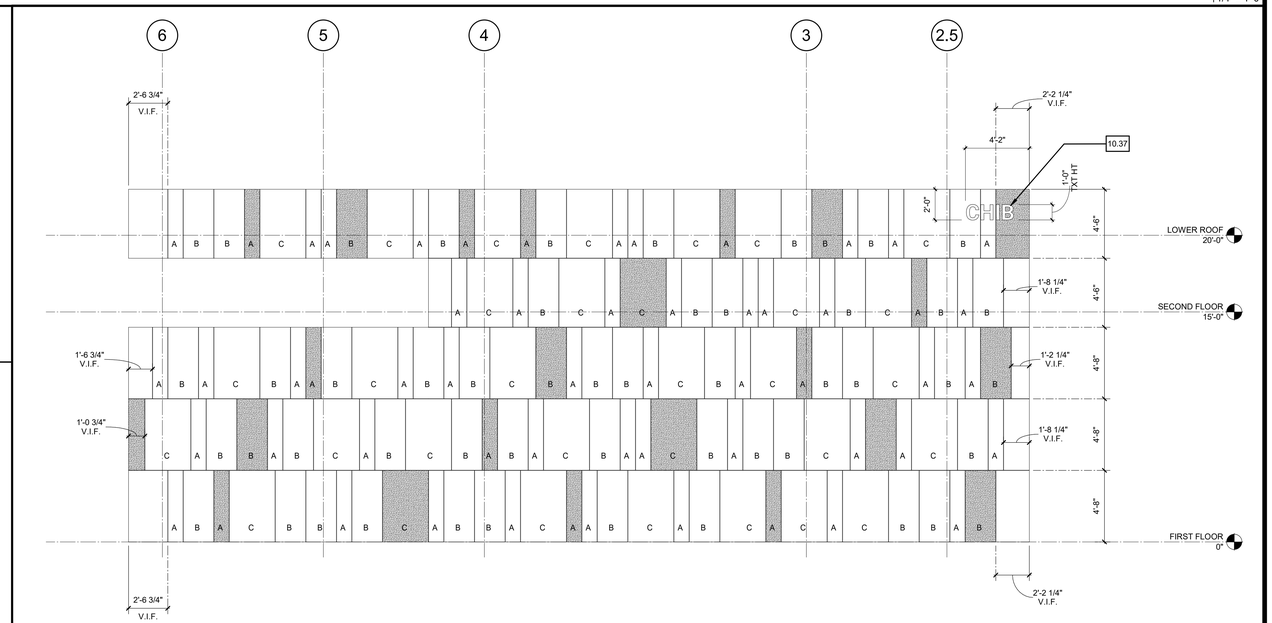
1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - SOUTH

5

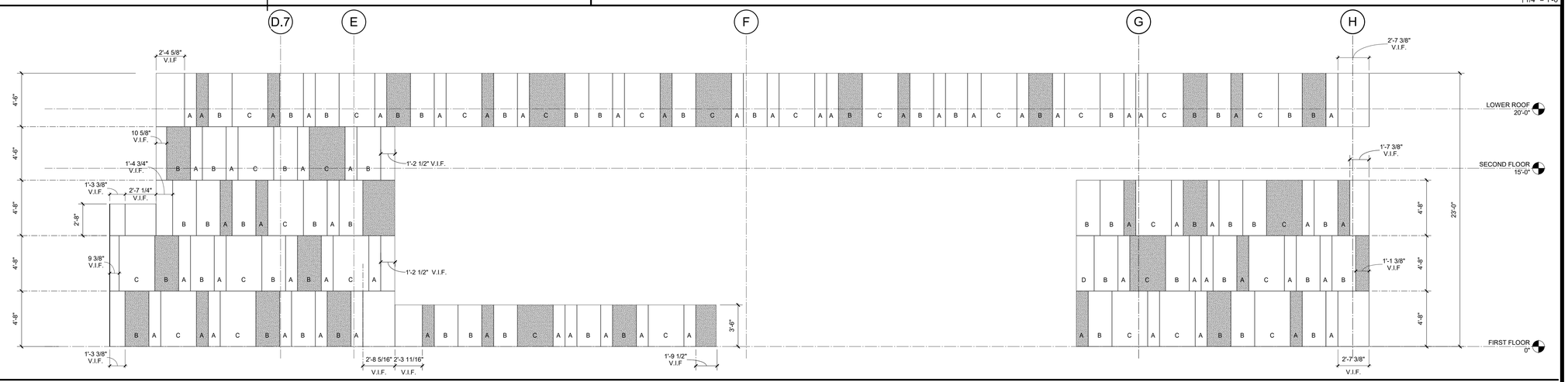
1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - WEST

3

1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - NORTH

1

1/4" = 1'-0"

PLEASE RECYCLE

8/3/2021 8:49:31 AM

AGENCY APPROVAL:

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

10.37 INDIVIDUAL FLAT CUT ALUMINUM SIGN - EXTERIOR | 15/A10.81

LEGENDS

PANEL TYPES

IMP1
IMP2
IMP3
IMP4
IMP5
IMP6
IMP7

HORIZONTAL SPACING, U.N.O.

A = 1' - 0" WIDE
B = 2' - 0" WIDE
C = 3' - 0" WIDE
D = 1' - 6" WIDE
E = 2' - 6" WIDE
F = 3' - 6" WIDE

IMP4: 1' - 0" WIDE, TYPICAL

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. CONTRACTOR TO VERIFY INSULATED METAL PANEL SIZES AT END AND CORNER CONDITIONS
3. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR INSULATED METAL PANEL ELEVATIONS

DSA APPROVAL

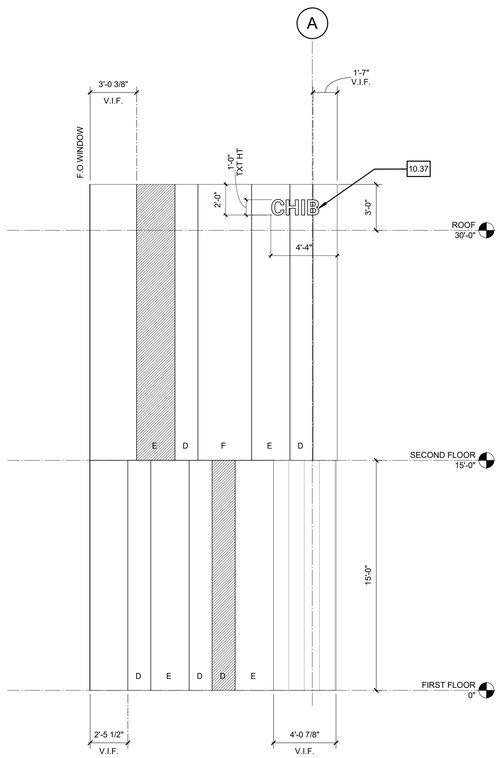
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A5.21

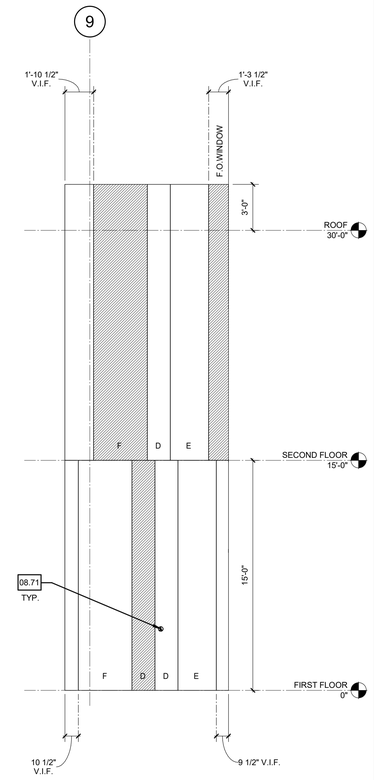
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D2)



INSULATED METAL PANELS - PARTIAL ELEVATION - SOUTH

18

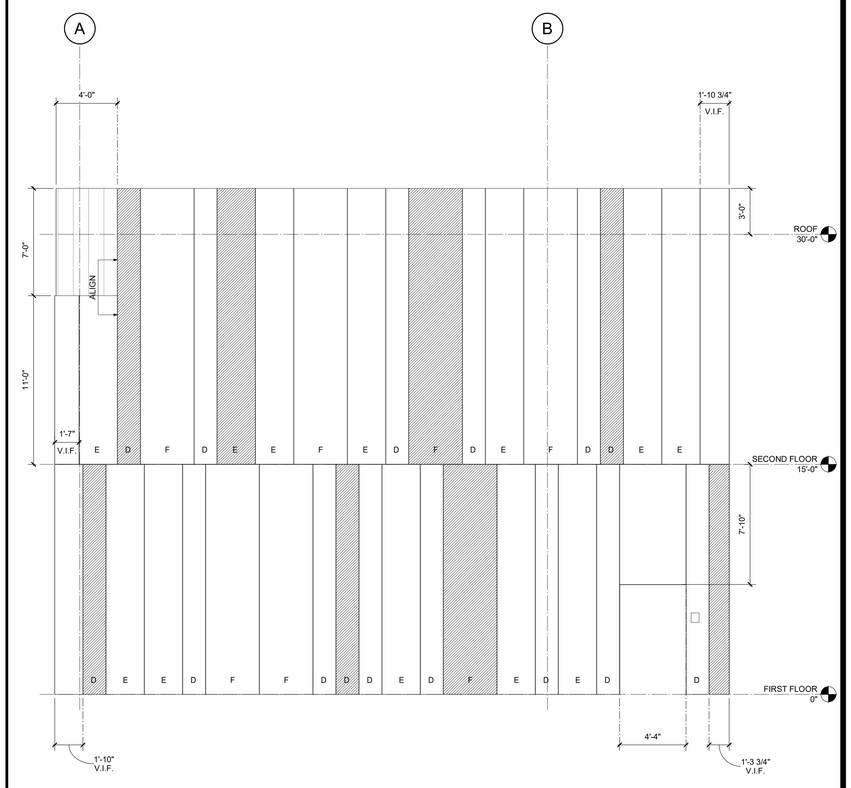
1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - WEST

13

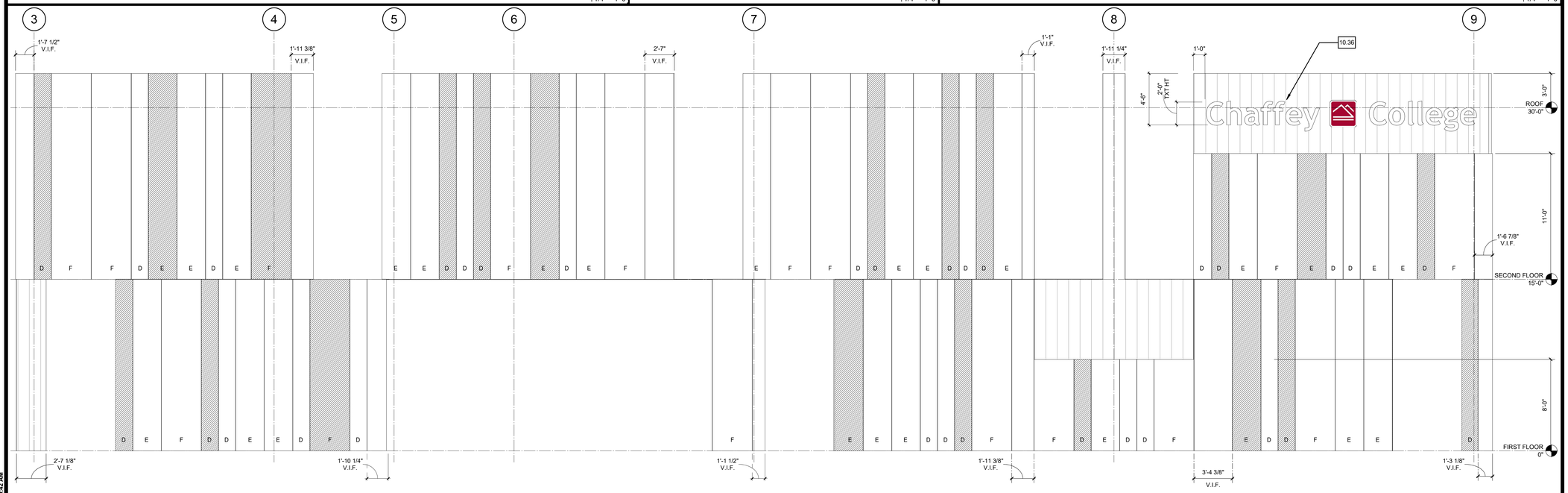
1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - NORTH

3

1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - EAST

1

1/4" = 1'-0"

8/9/2021 8:49:42 AM

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

08.71	ADA PUSH PLATE | HARDWARE SCHEDULE
10.36	INDIVIDUAL CAST ALUMINUM SIGN - EXTERIOR | 14/A10.81
10.37	INDIVIDUAL FLAT CUT ALUMINUM SIGN - EXTERIOR | 15/A10.81

LEGENDS

PANEL TYPES

IMP1
IMP2
IMP3
IMP4
IMP5
IMP6
IMP7

HORIZONTAL SPACING, U.N.O.

A = 1' - 0" WIDE
B = 2' - 0" WIDE
C = 3' - 0" WIDE
D = 1' - 6" WIDE
E = 2' - 6" WIDE
F = 3' - 6" WIDE

IMP4: 1' - 0" WIDE, TYPICAL

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. CONTRACTOR TO VERIFY INSULATED METAL PANEL SIZES AT END AND CORNER CONDITIONS
3. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR INSULATED METAL PANEL ELEVATIONS

DSA APPROVAL

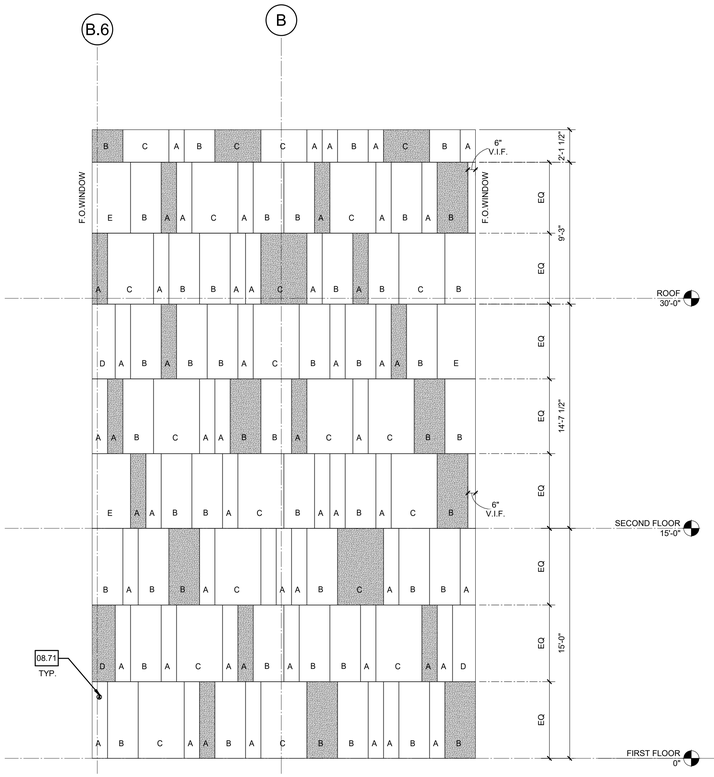
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

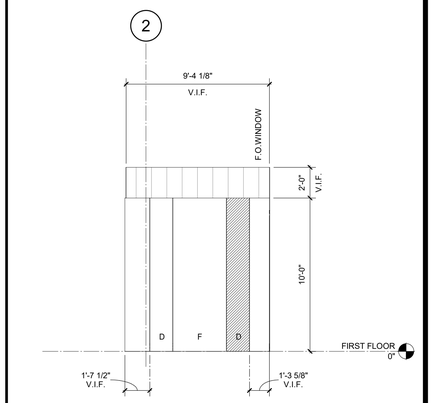
SHEET:

A5.22

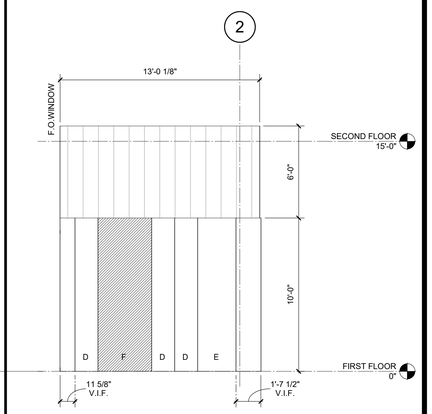
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE



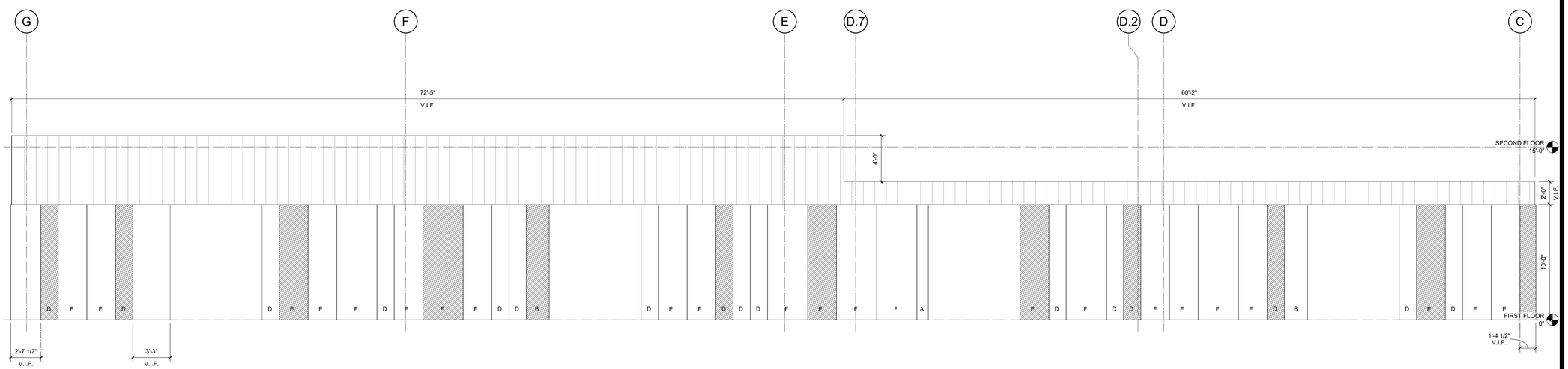
INSULATED METAL PANELS - PARTIAL ELEVATION - STAIR 2 - SOUTH | 8 | 1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - EAST | 4 | 1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - WEST | 3 | 1/4" = 1'-0"



INSULATED METAL PANELS - PARTIAL ELEVATION - SOUTH | 1 | 1/4" = 1'-0"

8/5/2021 8:49:54 AM

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LICENSED ARCHITECT · KENNETH SALYER · NO. C-19082 · REN. 11-30-21 · STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

08.71 ADA PUSH PLATE | HARDWARE SCHEDULE

LEGENDS

PANEL TYPES

IMP1 · IMP2 · IMP3 · IMP4 · IMP5 · IMP6 · IMP7

HORIZONTAL SPACING, U.N.O.

A = 1' - 0" WIDE
B = 2' - 0" WIDE
C = 3' - 0" WIDE
D = 1' - 6" WIDE
E = 2' - 6" WIDE
F = 3' - 6" WIDE

IMP4: 1' - 0" WIDE, TYPICAL

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. CONTRACTOR TO VERIFY INSULATED METAL PANEL SIZES AT END AND CORNER CONDITIONS
3. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR INSULATED METAL PANEL ELEVATIONS

DSA APPROVAL

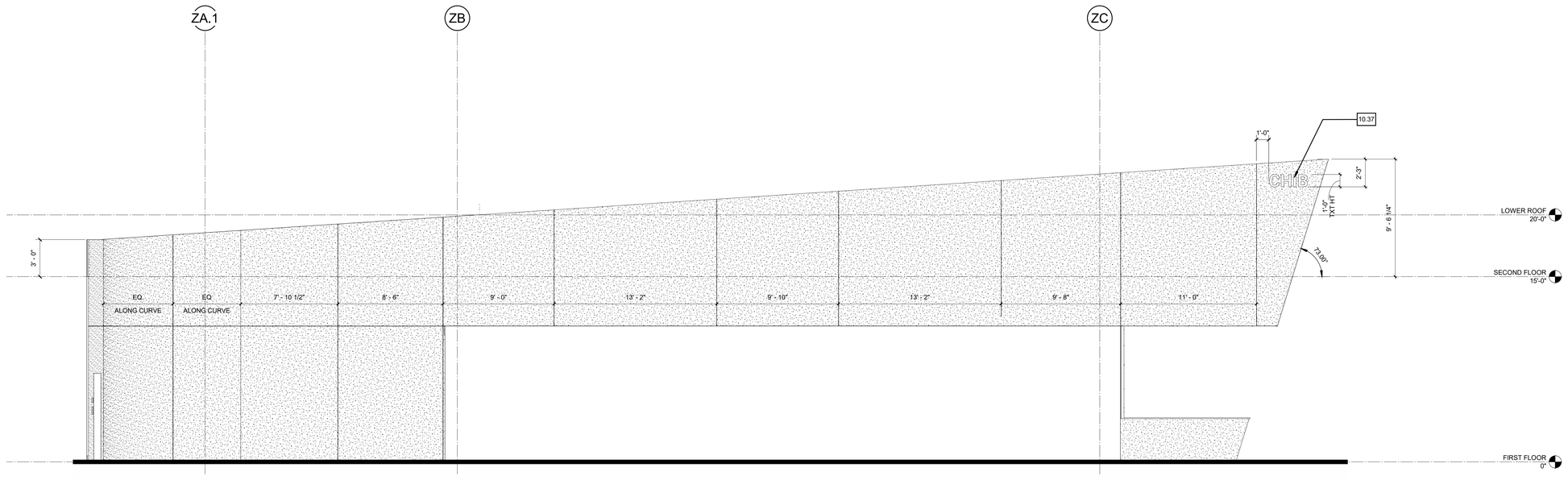
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

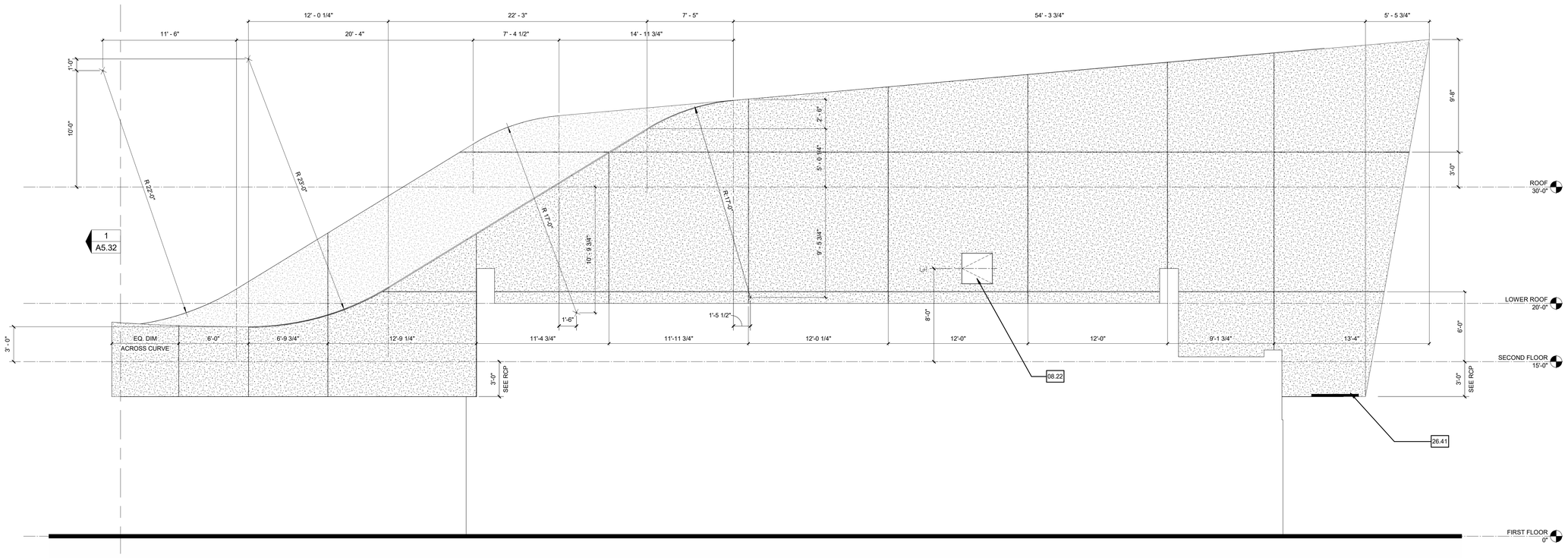
A5.23

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT FULL SIZE (24"X36" SHEETS ORIGINAL SIZE)



PLASTER FACADE - PARTIAL ELEVATION - NORTH

3
1/4" = 1'-0"



PLASTER FACADE - PARTIAL ELEVATION - WEST 01

1
1/4" = 1'-0"

PLEASE RECYCLE

8/5/2021 8:50:07 AM

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ONTARIO, CA 91764
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

08.22	EXTERIOR ACCESS PANEL IN PLASTER | 11/A10.44
10.37	INDIVIDUAL FLAT CUT ALUMINUM SIGN - EXTERIOR | 15/A10.81
26.41	LIGHT FIXTURE | ELECTRICAL

LEGENDS

EXTERIOR PLASTER - 1 / A10.14
REFER TO TYP. ASSEMBLY DETAIL

PLASTER CONTROL JOINTS - 2 / A10.14

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR PLASTER ELEVATIONS

DSA APPROVAL

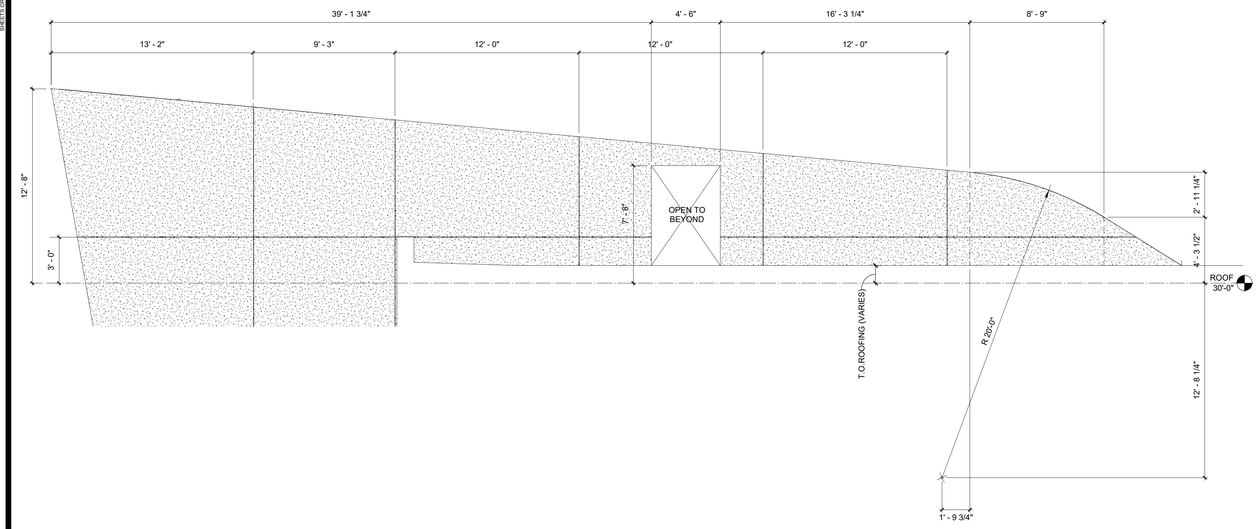
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A5.31

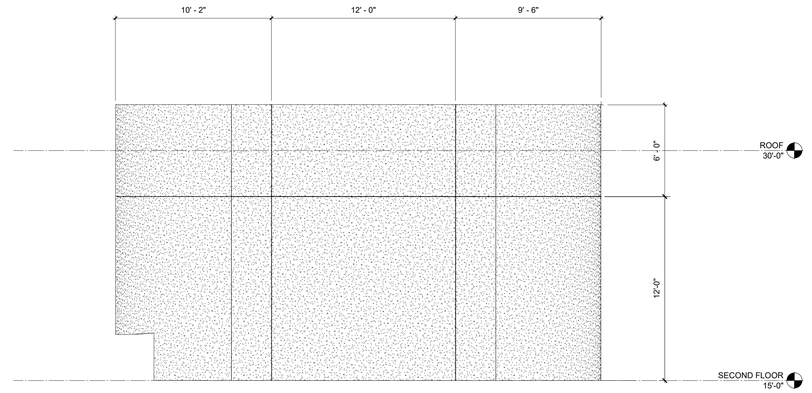
THE LINE SHOWN ABOVE IS ONE INCH LONG ON ORIGINAL PLANS
IF IT IS SHORTER, SCALE ACCORDINGLY



ELEVATION - EXTERIOR SECOND FLOOR- EAST

14

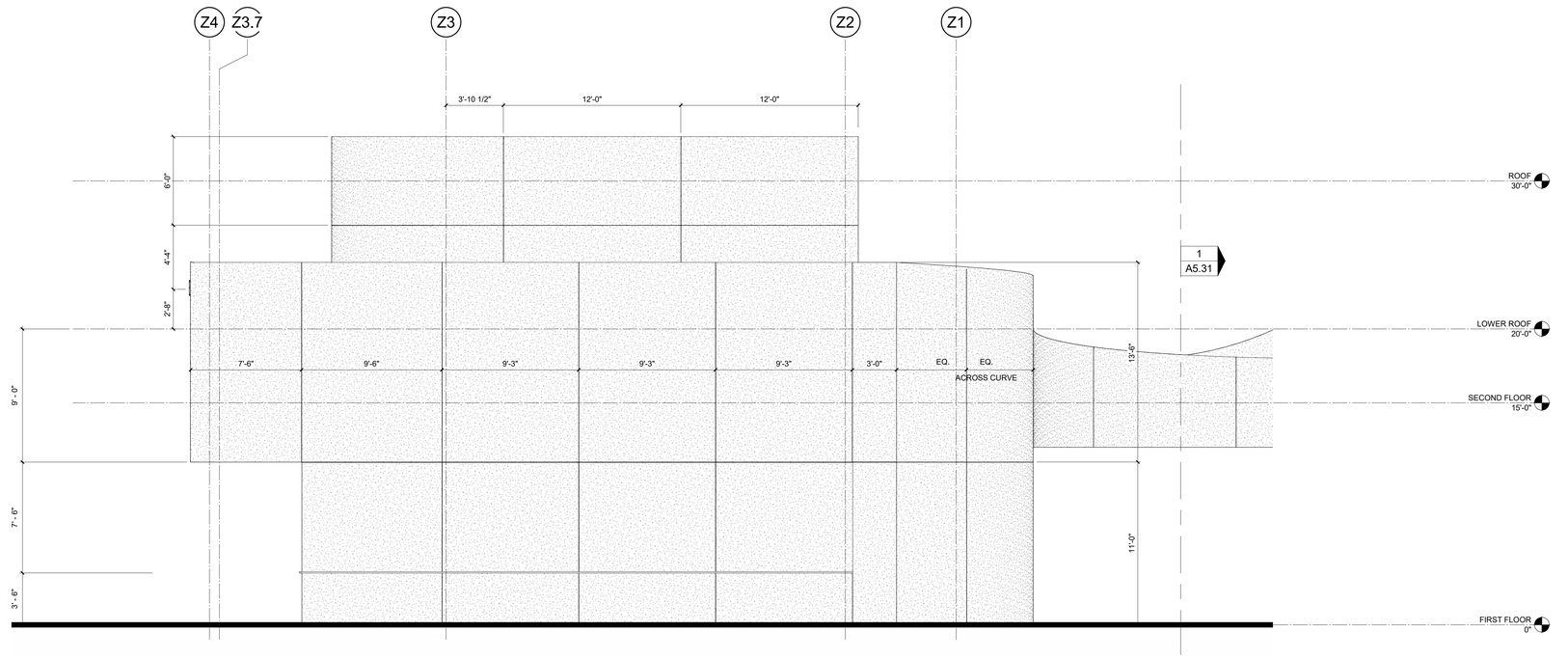
1/4" = 1'-0"



PLASTER FACADE - PARTIAL SECOND FLOOR ELEVATION - NORTH

4

1/4" = 1'-0"



PLASTER FACADE - PARTIAL ELEVATION - WEST 02

1

1/4" = 1'-0"

8/5/2021 8:30:15 AM

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

EXTERIOR PLASTER - 1 / A10.14
REFER TO TYP. ASSEMBLY DETAIL

PLASTER CONTROL JOINTS - 2 / A10.14

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR PLASTER ELEVATIONS

DSA APPROVAL

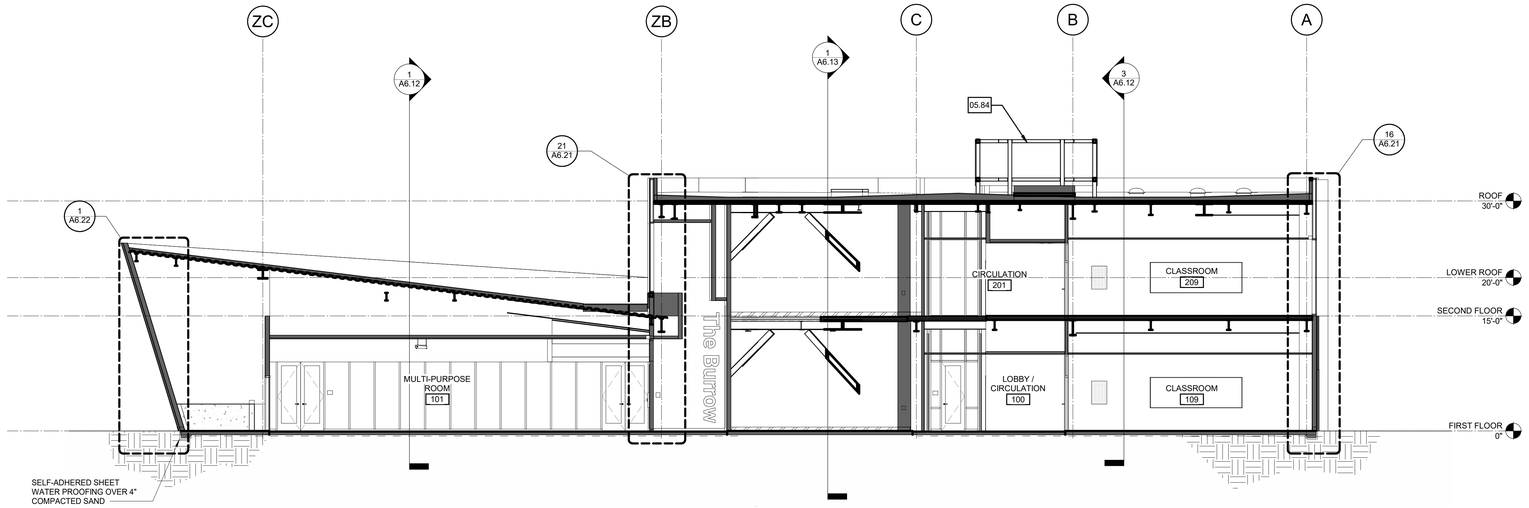
FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

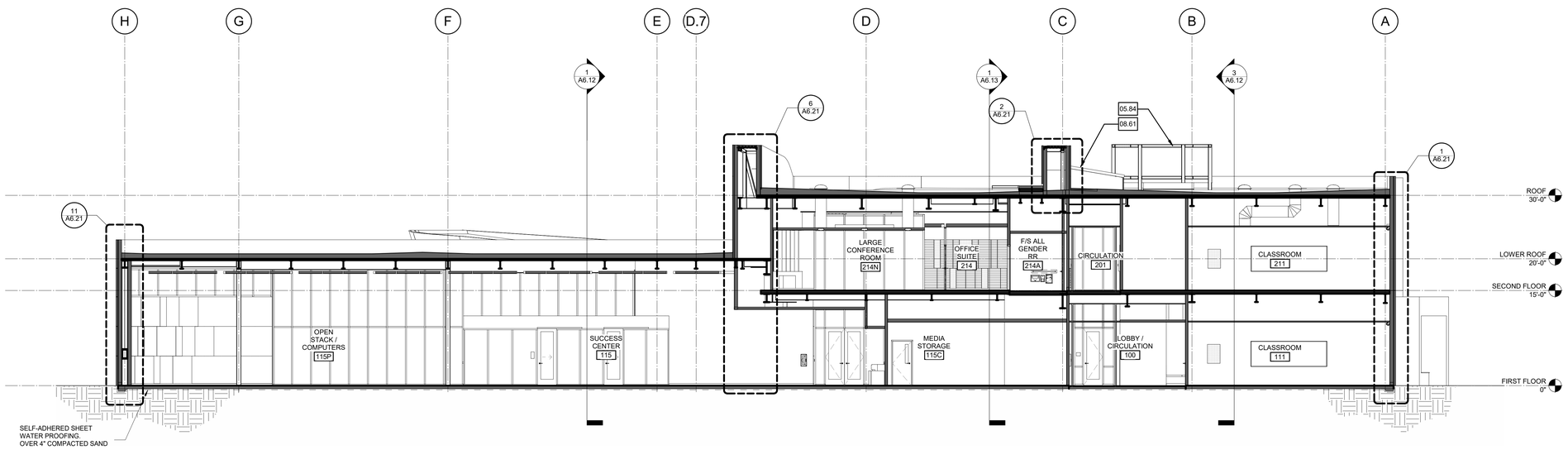
SHEET:

A5.32

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT FULL SIZE ON ORIGINAL SHEET (22"X34")



BUILDING SECTION 3
1/8" = 1'-0"



BUILDING SECTION 1
1/8" = 1'-0"

8/5/2021 8:50:30 AM

PLEASE RECYCLE

AGENCY APPROVAL:

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APP: 04-119722 INC:
REVIEWED FOR
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DATE: 08/19/2021

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

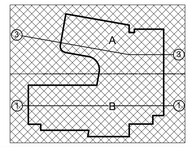
KEYNOTES

05.84 MECH SCREEN AT RTU-1L
08.61 SKYLIGHT

LEGENDS

NOTES

KEY PLAN:



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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

BUILDING SECTIONS

DSA APPROVAL

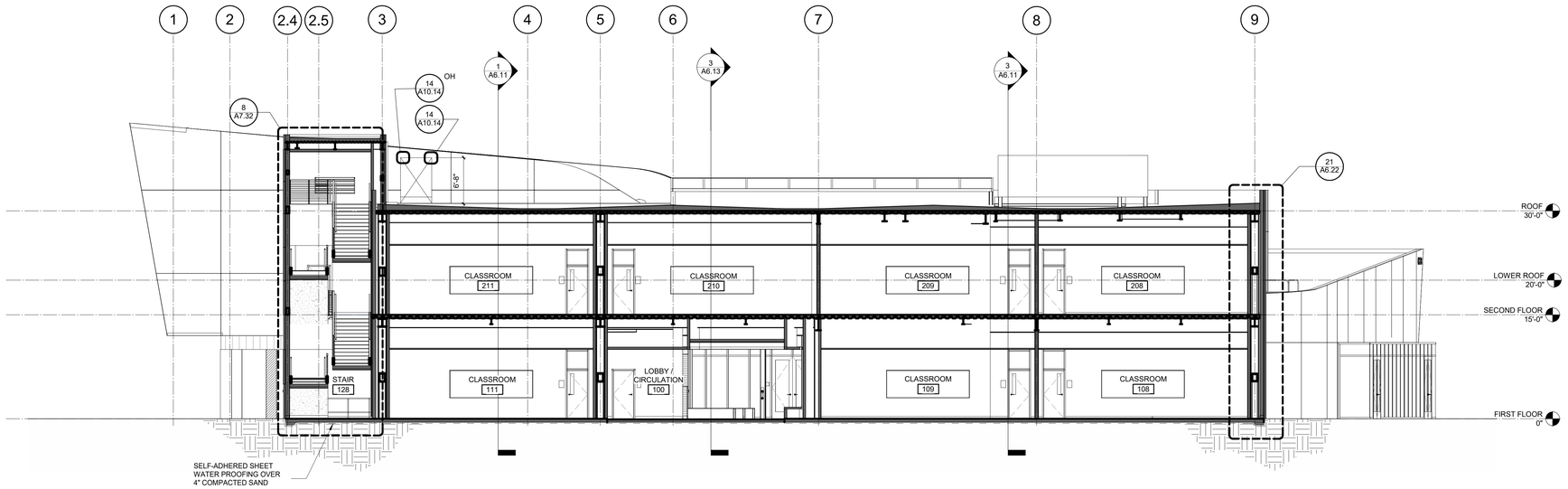
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

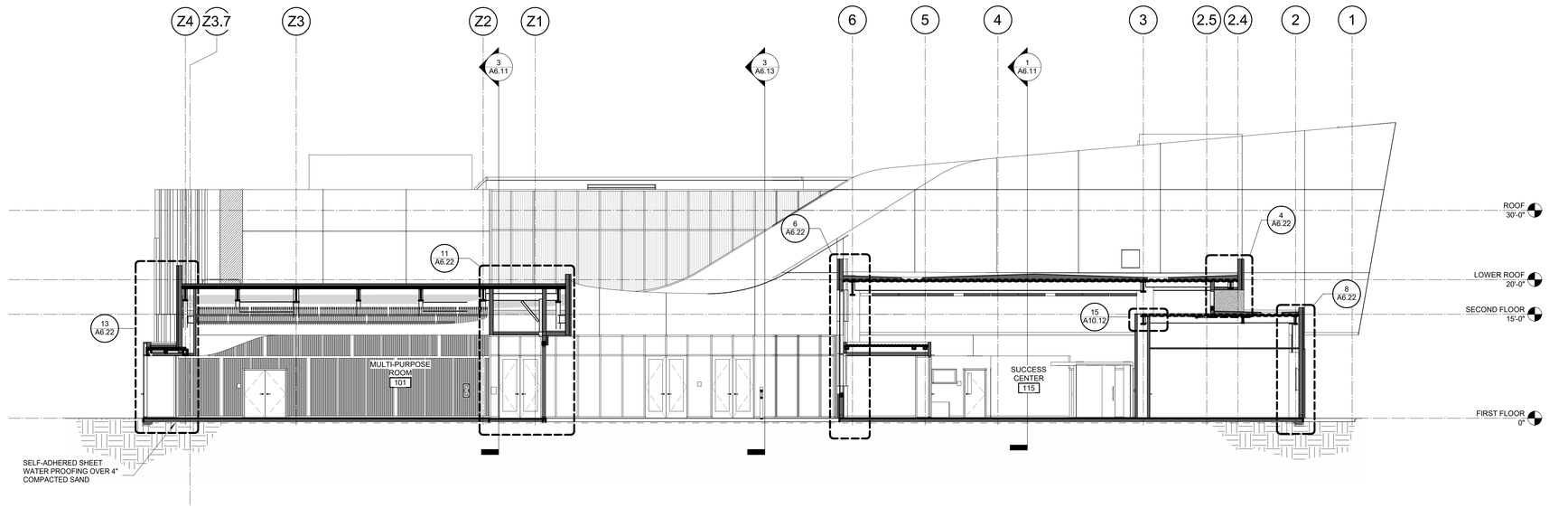
SHEET:

A6.11

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT FULL SIZE (24"X36" SHEETS ORIGINAL SPACE SIZE)



BUILDING SECTION 3
1/8" = 1'-0"



BUILDING SECTION 1
1/8" = 1'-0"

8/5/2021 8:50:52 AM

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

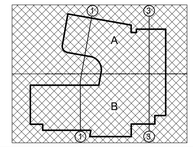
Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

NOTES

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

BUILDING SECTIONS

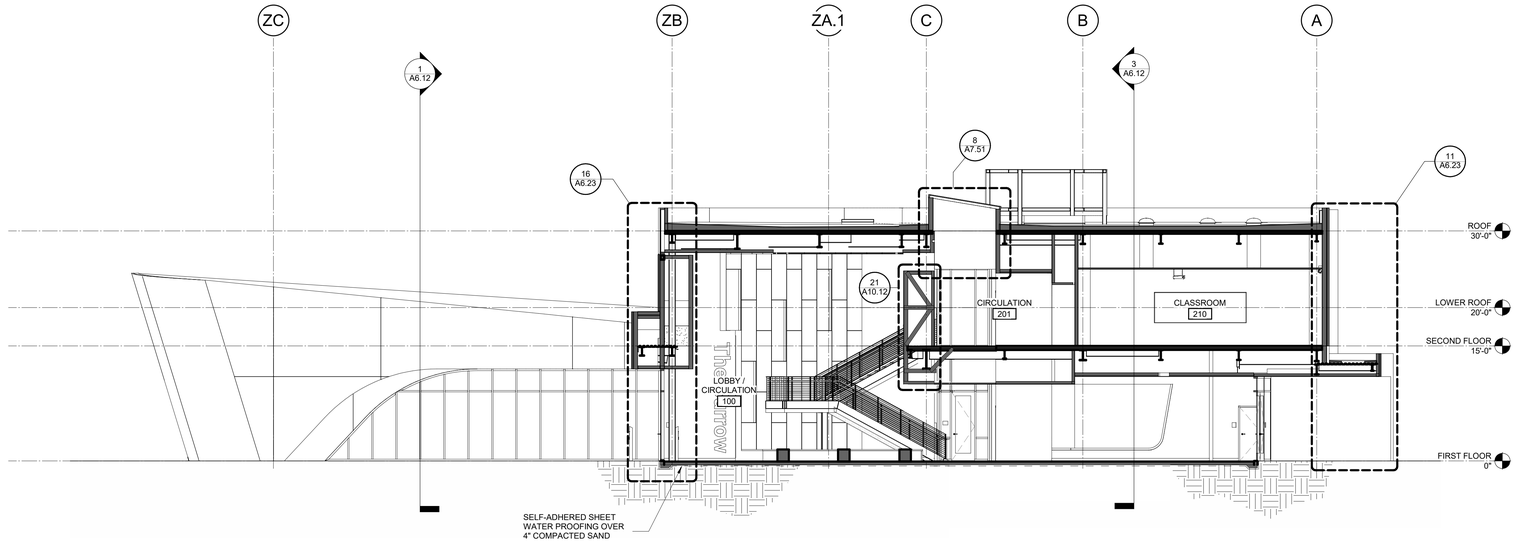
DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

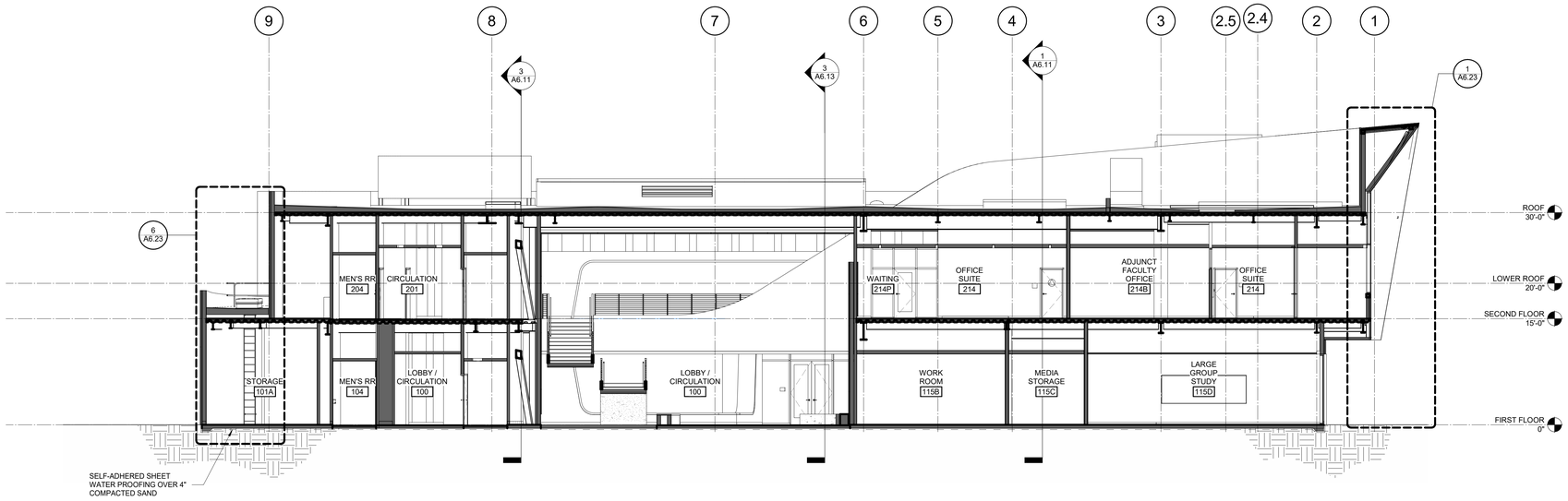
SHEET:

A6.12

THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SIZE ON ORIGINAL SHEET (24"X36")



BUILDING SECTION 3
1/8" = 1'-0"



BUILDING SECTION 1
1/8" = 1'-0"

8/5/2021 8:51:15 AM

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NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

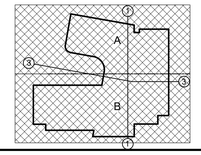
Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

NOTES

KEY PLAN:



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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

BUILDING SECTIONS

DSA APPROVAL

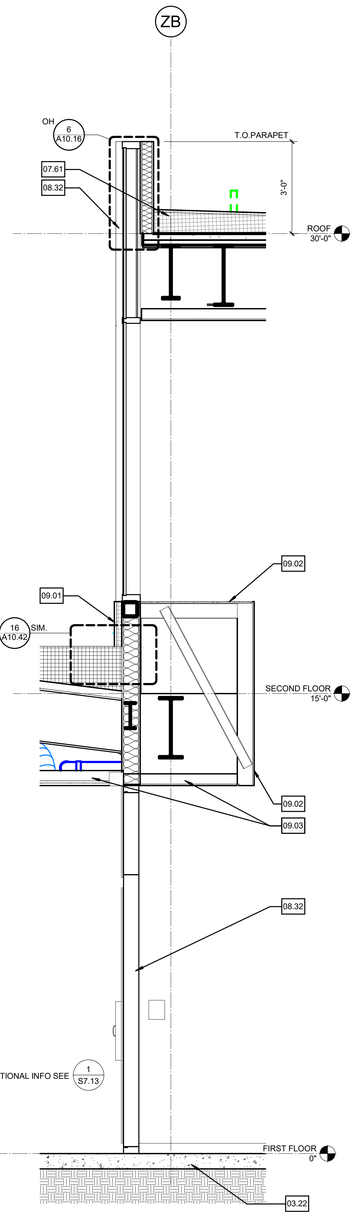
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

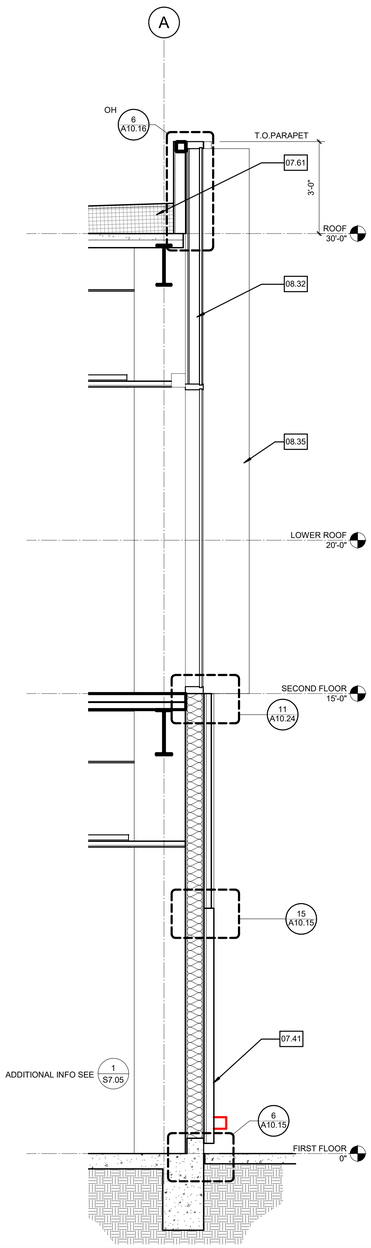
SHEET:

A6.13

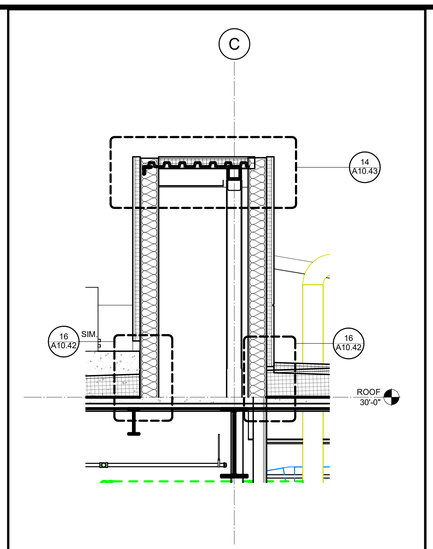
THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SIZE. IF NOT, THIS SHEET IS ORIGINAL SIZE



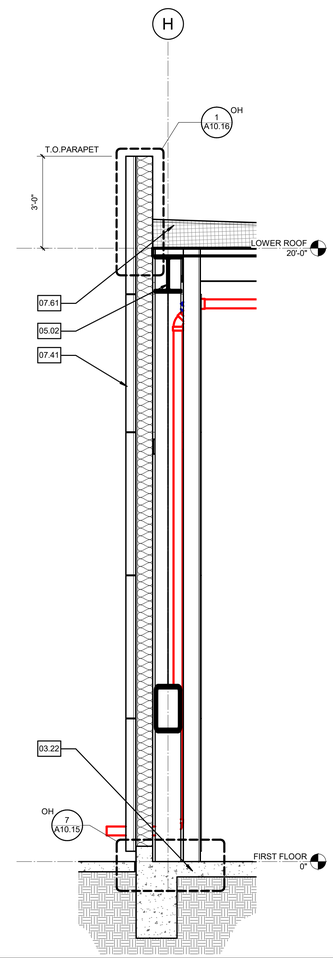
WALL SECTION 21 — 1/2" = 1'-0"



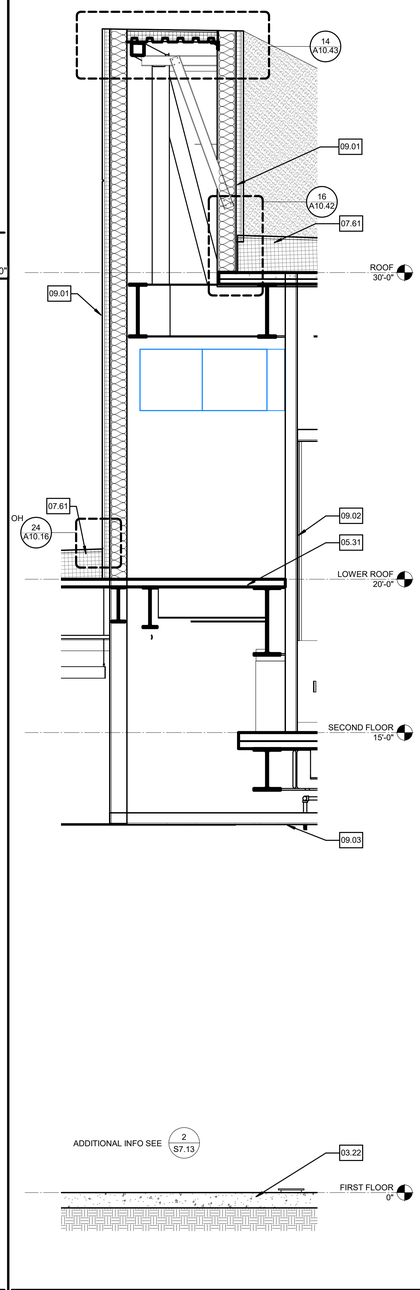
WALL SECTION 16 — 1/2" = 1'-0"



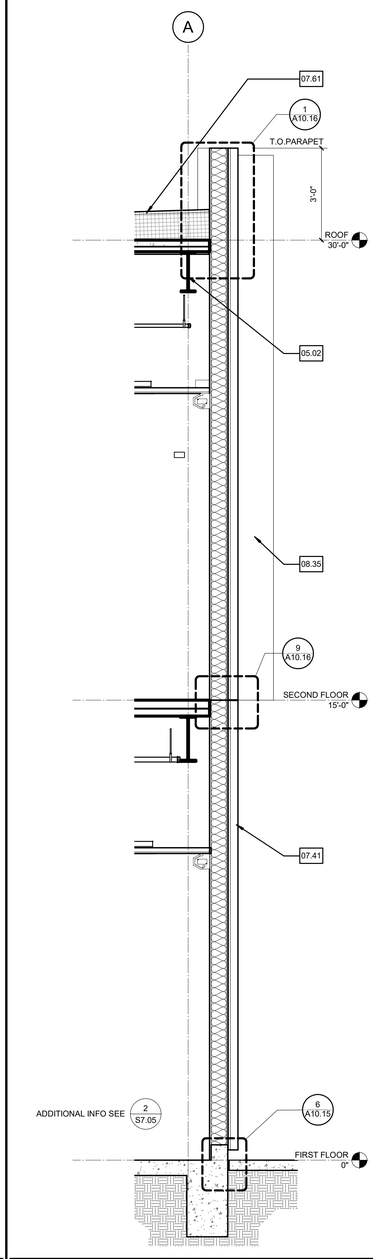
WALL SECTION - ROOF WALL 2 — 1/2" = 1'-0"



WALL SECTION 11 — 1/2" = 1'-0"



WALL SECTION 6 — 1/2" = 1'-0"



WALL SECTION 1 — 1/2" = 1'-0"

8/9/2021 8:51:31 AM

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.22	CONCRETE SLAB ON GRADE | STRUCTURAL
05.02	STRUCTURAL STEEL BEAM | STRUCTURAL
05.31	METAL DECKING | STRUCTURAL
07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
07.61	MEMBRANE ROOFING ASSEMBLY - MODIFIED BITUMEN | 1/A10.41
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
08.35	MULLION EXTENSION CAP | WINDOW SCHEDULE
09.01	PORTLAND CEMENT PLASTER
09.02	GYPSUM BOARD, PAINTED
09.03	GYPSUM BOARD SOFFIT

NOTES

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

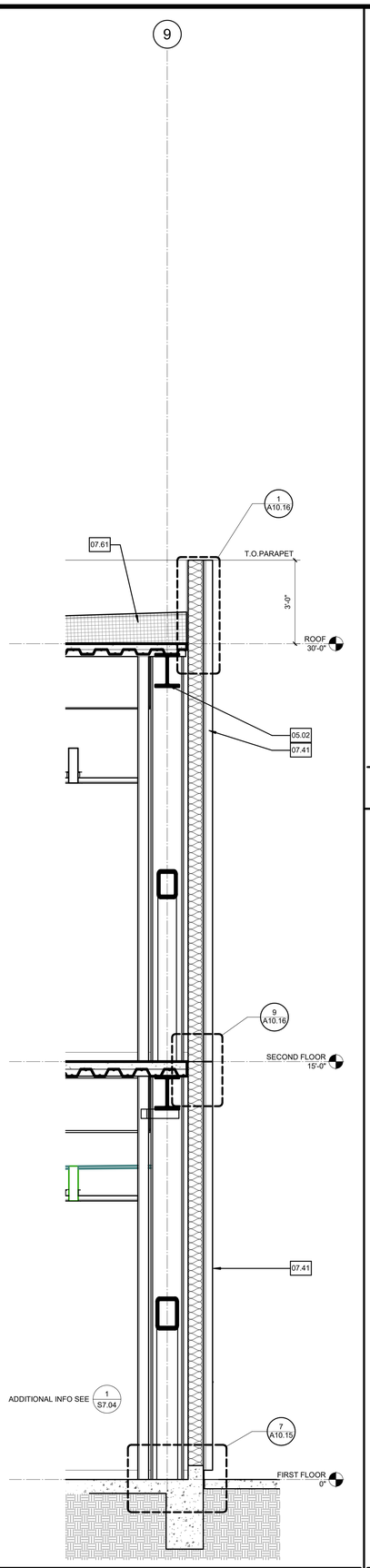
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

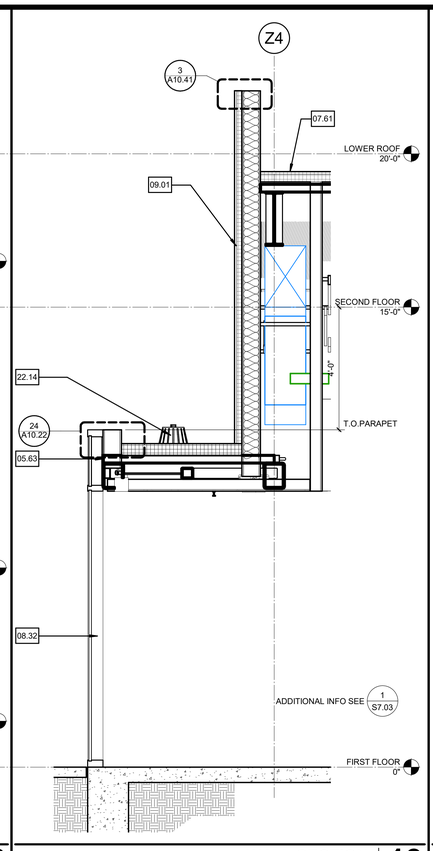
A6.21

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED ON FULL SIZE SHEETS (ORIGINAL SHEET SIZE)

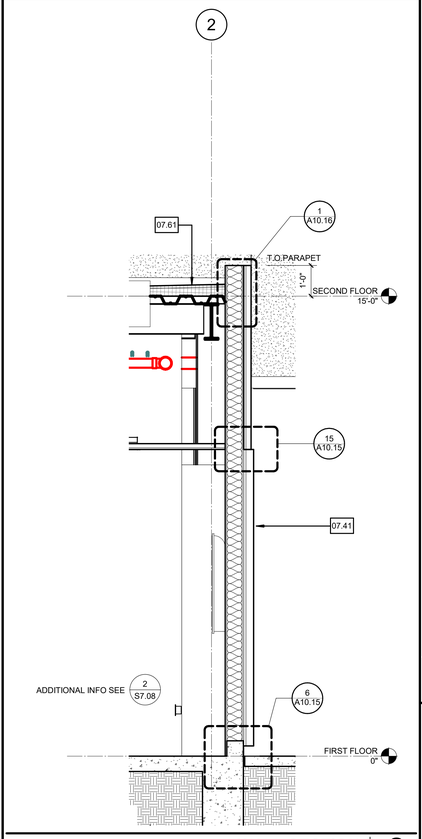


WALL SECTION 21 1/2" = 1'-0"

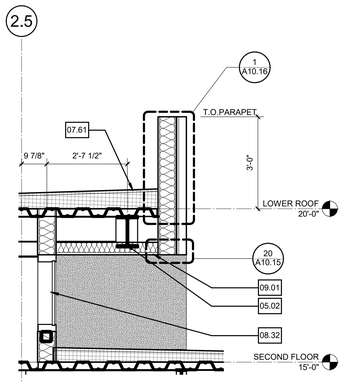
WALL SECTION 18 1/2" = 1'-0"



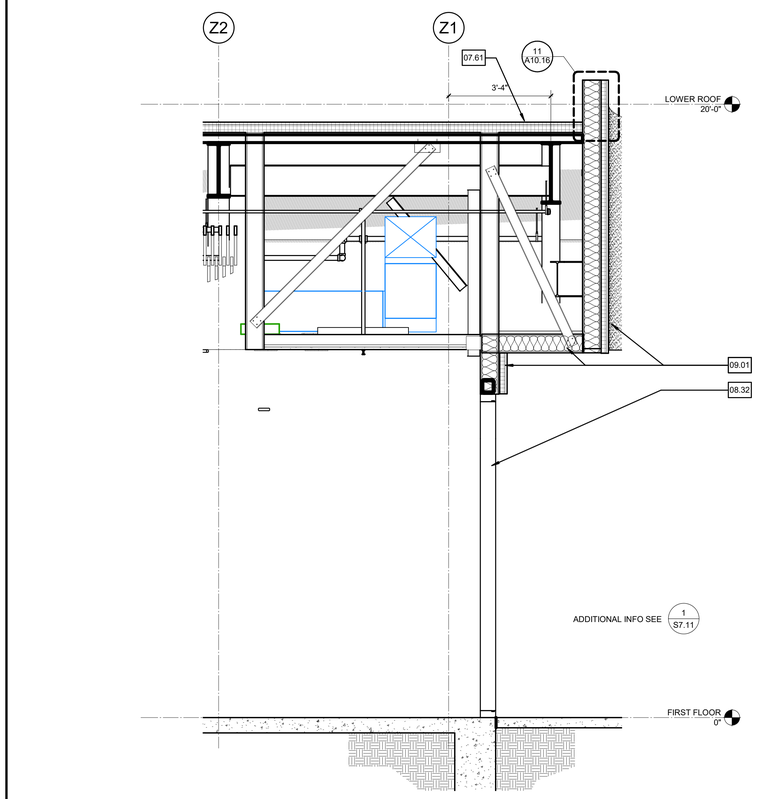
WALL SECTION 13 1/2" = 1'-0"



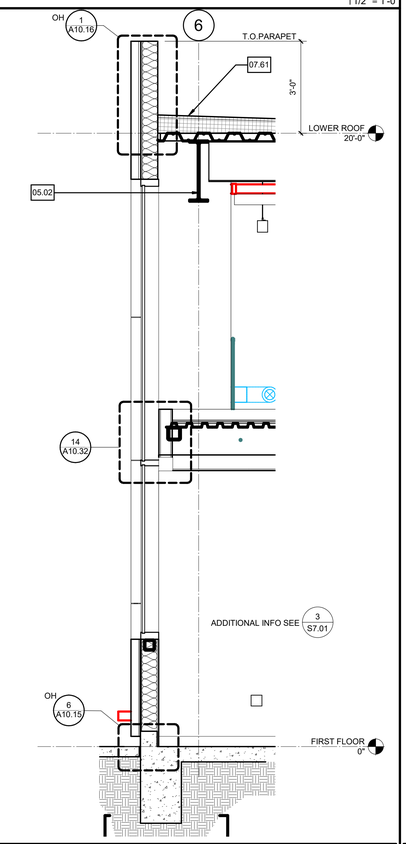
WALL SECTION 8 1/2" = 1'-0"



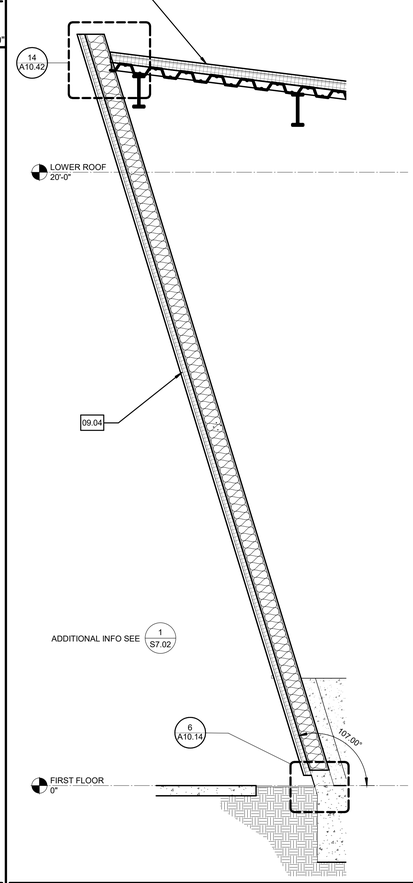
WALL SECTION 4 1/2" = 1'-0"



WALL SECTION 11 1/2" = 1'-0"



WALL SECTION 6 1/2" = 1'-0"



WALL SECTION 1 1/2" = 1'-0"

8/5/2021 8:51:50 AM

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.25	CONCRETE CURB AT ALL (N) EXTERIOR WALLS | REFER TO SLAB PLANS
05.02	STRUCTURAL STEEL BEAM | STRUCTURAL
05.31	METAL DECKING | STRUCTURAL
05.63	STEEL BENT PLATE
07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
07.61	MEMBRANE ROOFING ASSEMBLY - MODIFIED BITUMEN | 1/A10.41
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
09.01	PORTLAND CEMENT PLASTER
09.03	GYPSUM BOARD SOFFIT
09.04	PORTLAND CEMENT PLASTER AT INCLINED WALL | 21/A10.14
09.76	ACOUSTICAL WALL PANEL
22.14	ROOF DRAIN

NOTES

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

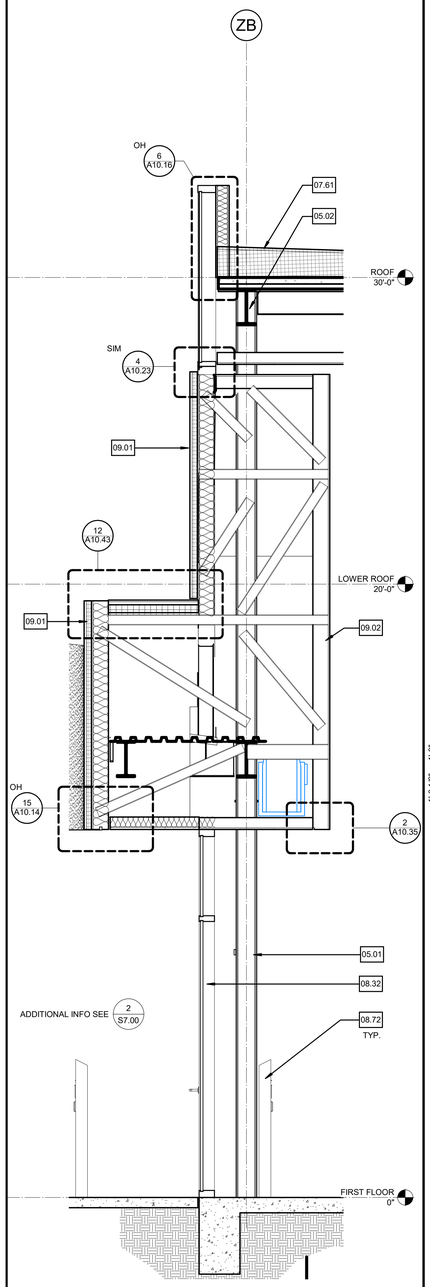
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

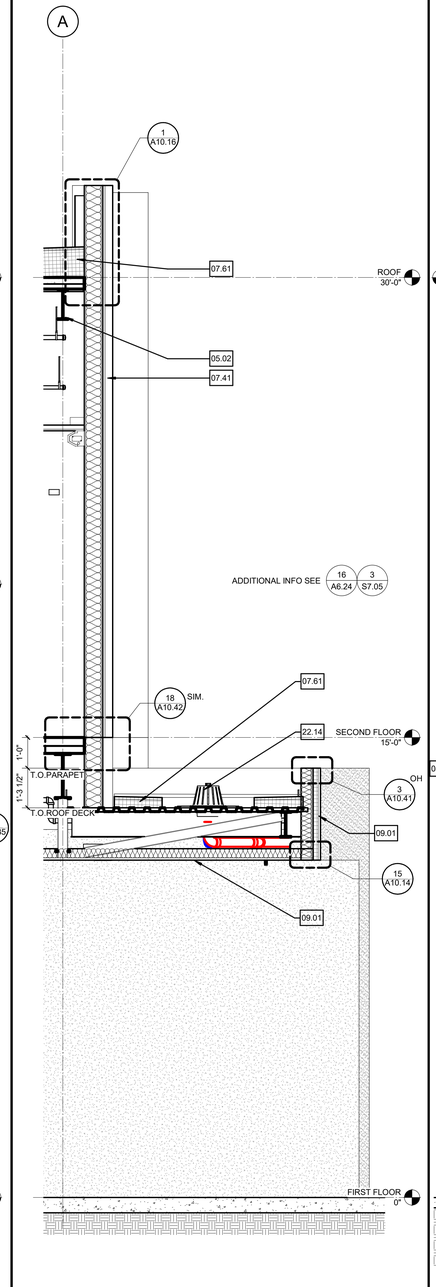
SHEET:

A6.22

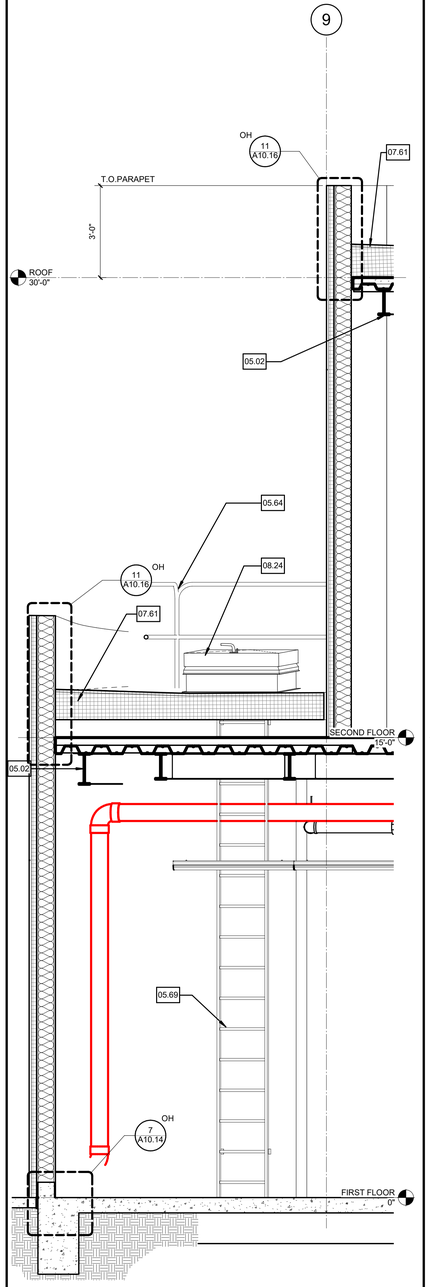
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE



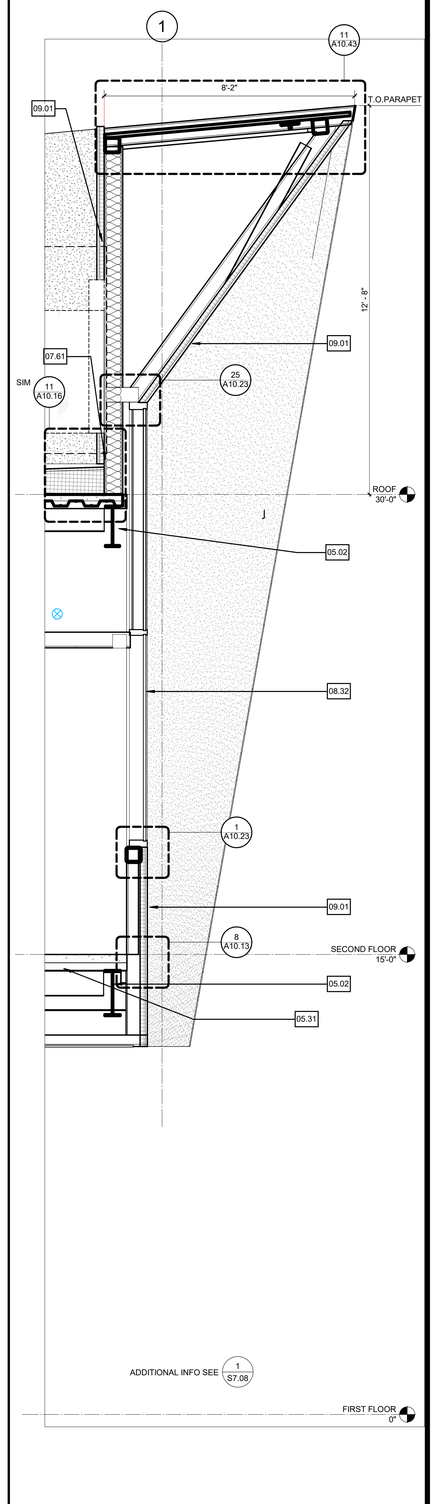
WALL SECTION 16 1/2" = 1'-0"



WALL SECTION 11 1/2" = 1'-0"



WALL SECTION 6 1/2" = 1'-0"



WALL SECTION 1 1/2" = 1'-0"

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NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

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KEYNOTES

05.01	STRUCTURAL STEEL COLUMN | STRUCTURAL
05.02	STRUCTURAL STEEL BEAM | STRUCTURAL
05.31	METAL DECKING | STRUCTURAL
05.64	METAL GUARD
05.69	ROOF ACCESS LADDER | 21/A10.41
07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
07.61	MEMBRANE ROOFING ASSEMBLY - MODIFIED BITUMEN | 1/A10.41
08.24	ROOF HATCH | 21/A10.41
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
08.72	ADA FULL-LENGTH 13" HIGH-LOW ACTUATOR | DOOR SCHEDULE (A9.11) & DETAIL 4/A10.01
09.01	PORTLAND CEMENT PLASTER
09.02	GYPSUM BOARD, PAINTED
22.14	ROOF DRAIN

NOTES

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

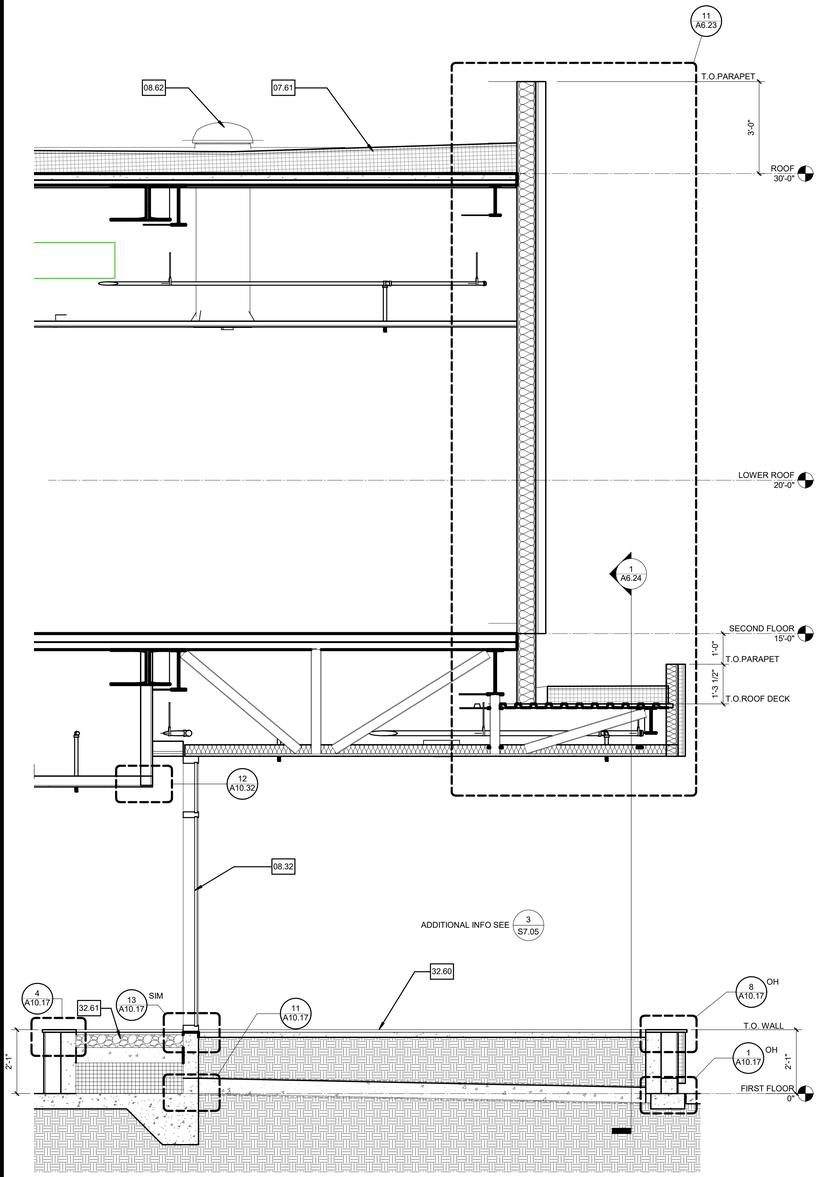
SHEET:

A6.23

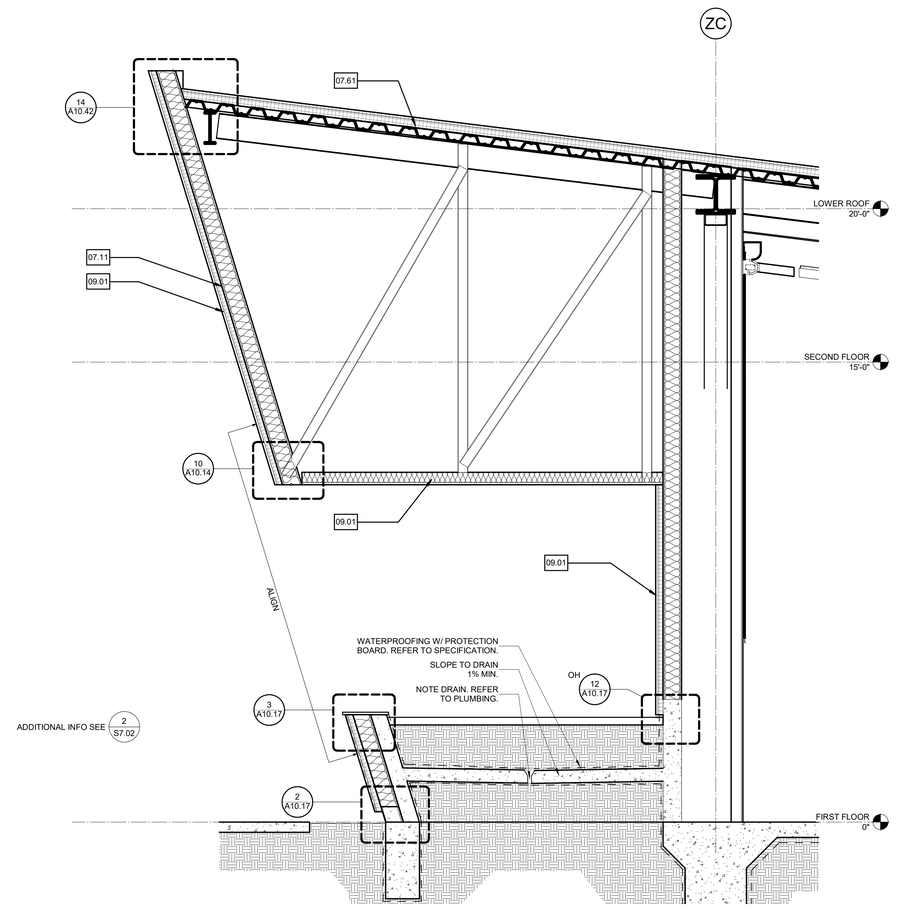
8/5/2021 8:52:03 AM

PLEASE RECYCLE

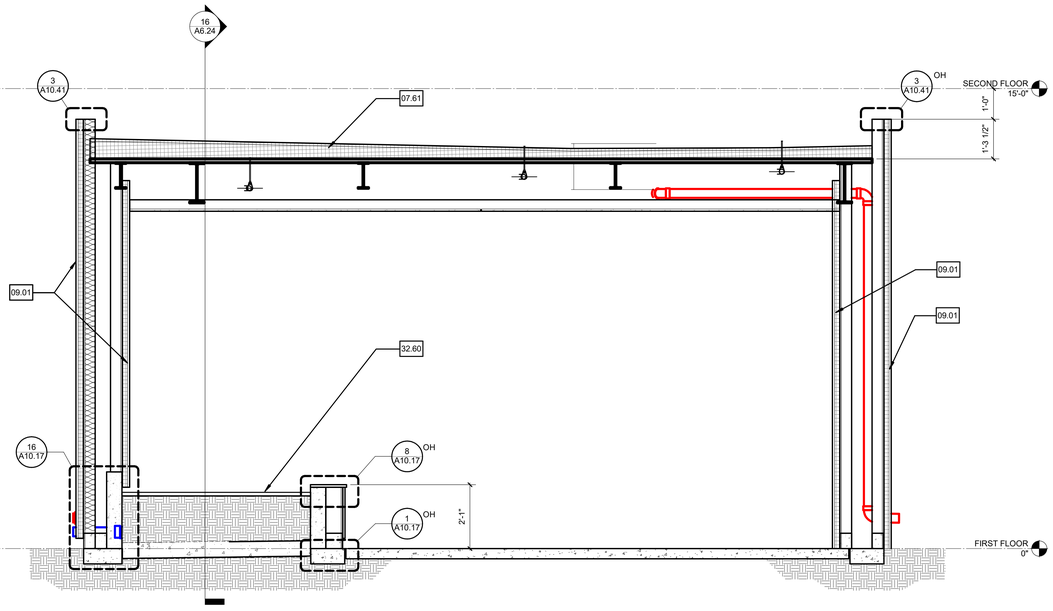
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



WALL SECTION 16
1/2" = 1'-0"



WALL SECTION 3
1/2" = 1'-0"



WALL SECTION 1
1/2" = 1'-0"

PLEASE RECYCLE

8/6/2021 8:52:14 AM

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STATE OF CALIFORNIA

ISSUE

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KEYNOTES

07.11	RIGID INSULATION
07.61	MEMBRANE ROOFING ASSEMBLY - MODIFIED BITUMEN | 1/A10.41
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
08.62	TUBULAR SKYLIGHT | 21/A10.44
09.01	PORTLAND CEMENT PLASTER
32.60	RAISED PLANTING | LANDSCAPE
32.61	ROCK GARDEN | LANDSCAPE

NOTES

FACILITY:
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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
WALL SECTIONS

DSA APPROVAL

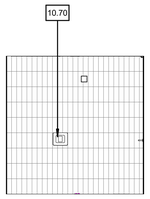
FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

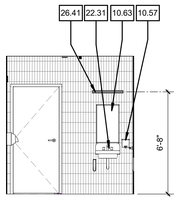
SHEET:

A6.24

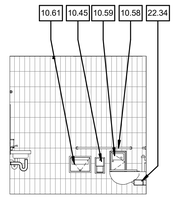
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLANS. IF NOT, SHEETS ORIGINAL SIZE IS OTHER



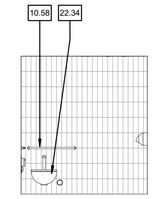
ROOM 102 - ALL GENDER RR - WEST ELEVATION **20** 1/4" = 1'-0"



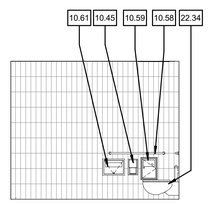
ROOM 102 - ALL GENDER RR - NORTH ELEVATION **15** 1/4" = 1'-0"



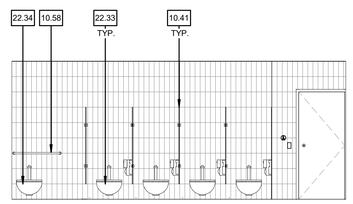
ROOM 102 - ALL GENDER RR - EAST ELEVATION **10** 1/4" = 1'-0"



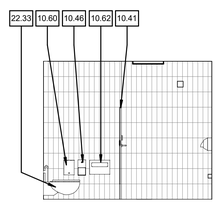
ROOM 102 - ALL GENDERN RR - SOUTH ELEVATION **5** 1/4" = 1'-0"



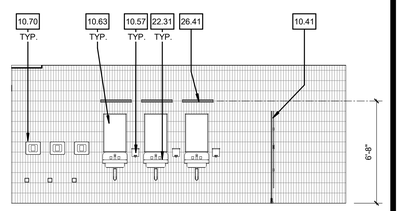
ROOM 103 - WOMEN'S RR - WEST ELEVATION **19** 1/4" = 1'-0"



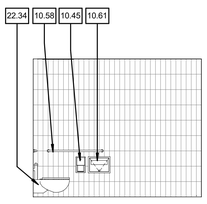
ROOM 103 - WOMENS RR - NORTH ELEVATION **14** 1/4" = 1'-0"



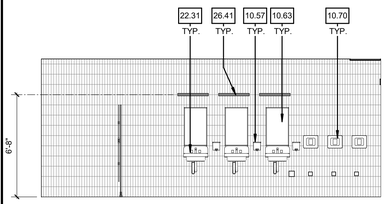
ROOM 103 - WOMEN'S RR - EAST ELEVATION **9** 1/4" = 1'-0"



ROOM 103 - WOMEN'S RR - SOUTH ELEVATION **4** 1/4" = 1'-0"

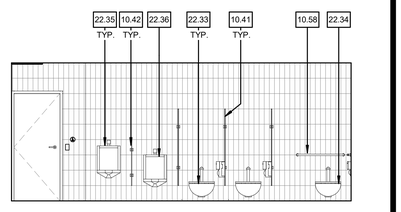


ROOM 104 - MEN'S RR - WEST ELEVATION **18** 1/4" = 1'-0"

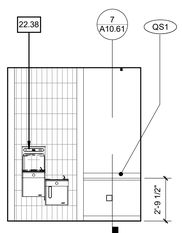


ROOM 104 - MEN'S RR - NORTH ELEVATION **13** 1/4" = 1'-0"

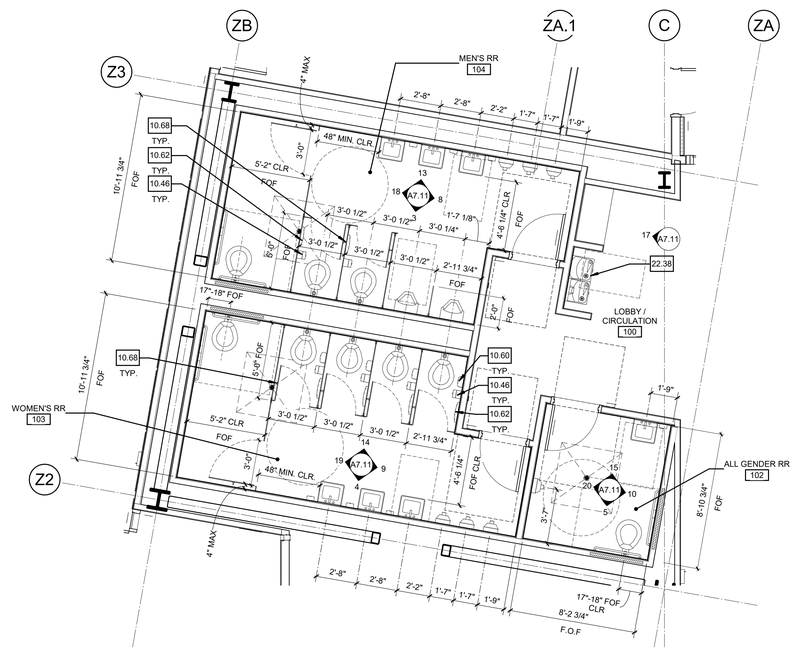
ROOM 104 - MEN'S RR - EAST ELEVATION **8** 1/4" = 1'-0"



ROOM 104 - MEN'S RR - SOUTH ELEVATION **3** 1/4" = 1'-0"



ROOM 100 - LOBBY/CIRCULATION - WEST ELEVATION DF **17** 1/4" = 1'-0"



ROOMS 102, 103, 104 - RESTROOMS **1** 1/4" = 1'-0"

8/3/2021 6:52:42 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

10.41	TOILET COMPARTMENT | 6/A10.91
10.42	URINAL SCREEN | 6/A10.91
10.45	TOILET TISSUE DISPENSER; RECESSED | 1/A10.71
10.46	TOILET TISSUE DISPENSER; SURFACE MOUNTED | 1/A10.71
10.57	WALL MOUNTED SOAP DISPENSER | 1/A10.71
10.58	GRAB BAR; 36" MIN AT REAR WALL & 42" MIN AT SIDE WALL | 1/A10.71
10.59	SANITARY NAPKIN VENDOR; RECESSED | 1/A10.71
10.60	SANITARY NAPKIN DISPOSAL; SURFACE MOUNT | 1/A10.71
10.61	SEAT COVER DISPENSER; RECESSED | 1/A10.71
10.62	SEAT COVER DISPENSER; SURFACE MOUNTED | 1/A10.71
10.63	MIRROR; 18X36 | 1/A10.71
10.68	CLOTHES HOOK; MOUNTED 48" AFF AT ACCESSIBLE STALL, 60" AFF AT STANDARD STALL
10.70	HAND DRYER; SURFACE MOUNTED | 1/A10.71
22.31	LAVATORY | PLUMBING
22.33	WATER CLOSET | PLUMBING
22.34	A.D.A. ACCESSIBLE WATER CLOSET | PLUMBING
22.35	URINAL | PLUMBING
22.36	A.D.A. ACCESSIBLE URINAL | PLUMBING
22.38	ACCESSIBLE HI LO DRINKING FOUNTAIN W/ BOTTLE REFILL | PLUMBING
26.41	LIGHT FIXTURE | ELECTRICAL

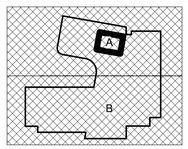
LEGEND

- CT# — FINISH/MATERIAL, REFER TO SHEET A9.31
- CT5 & CT6 - REFER TO 18/A10.63 FOR PATTERN DETAILS
- CT3, CT4, CT5 & CT6 - REFER TO 17/A10.63 FOR PATTERN DETAILS
- 30" x 48" ACCESSIBLE CLEAR SPACE
- 60" DIAMETER ACCESSIBLE TURN AROUND
- 60" x 56" ACCESSIBLE CLEAR SPACE
- FLOOR DRAIN; 2% MAX SLOPE TYPICAL

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR FIXTURE & ACCESSORY MOUNTING HEIGHTS AND LOCATIONS, SEE 1/A10.71.
3. HATCH PATTERNS DO NOT REFLECT TILE SIZE OR PATTERN, REFER TO RESPECTIVE DETAILS FOR PATTERN LAYOUT AND TILE SIZES.
4. DIMENSIONS ARE TO FACE OF STUD, U.N.O.
5. REFER TO SLAB PLANS FOR FLOOR DRAIN LOCATIONS, SEE A2.13A, A2.13B, A2.23A, & A2.23B.

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED TOILET PLANS AND ELEVATIONS

DSA APPROVAL

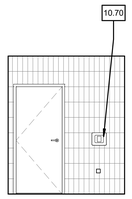
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

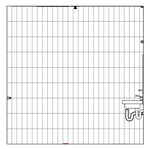
SHEET:

A7.11

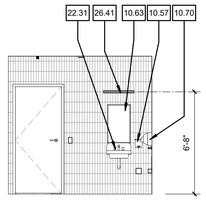
THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SIZE ON ARCH E1 SHEETS (ORIGINAL SHEET SIZE)



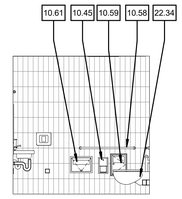
ROOM 214A - F/S ALL GENDER RESTROOM - WEST ELEVATION | **25** | 1/4" = 1'-0"



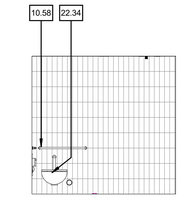
ROOM 202 - ALL GENDER RR - WEST ELEVATION | **20** | 1/4" = 1'-0"



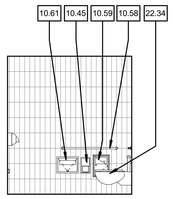
ROOM 202 - ALL GENDER RR - NORTH ELEVATION | **15** | 1/4" = 1'-0"



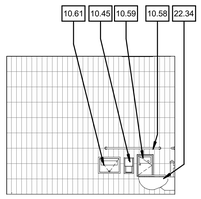
ROOM 202 - ALL GENDER RR - EAST ELEVATION | **10** | 1/4" = 1'-0"



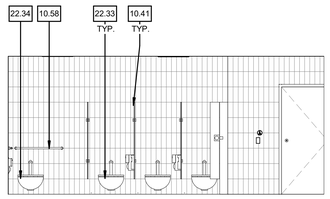
ROOM 202 - ALL GENDER RR - SOUTH ELEVATION | **5** | 1/4" = 1'-0"



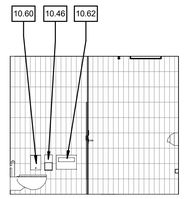
ROOM 214A - F/S ALL GENDER RESTROOM - NORTH ELEVATION | **24** | 1/4" = 1'-0"



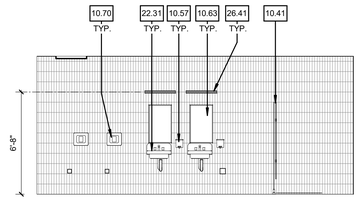
ROOM 203 - WOMEN'S RR - WEST ELEVATION | **19** | 1/4" = 1'-0"



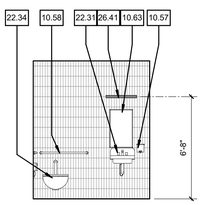
ROOM 203 - WOMEN'S RR - NORTH ELEVATION | **14** | 1/4" = 1'-0"



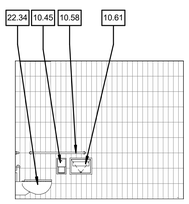
ROOM 203 - WOMEN'S RR - EAST ELEVATION | **9** | 1/4" = 1'-0"



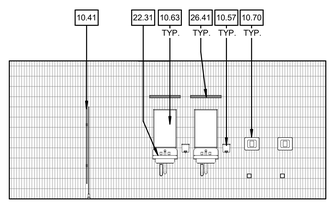
ROOM 203 - WOMEN'S RR - SOUTH ELEVATION | **4** | 1/4" = 1'-0"



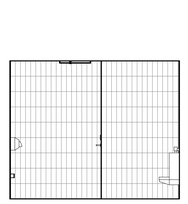
ROOM 214A - F/S ALL GENDER RESTROOM - EAST ELEVATION | **23** | 1/4" = 1'-0"



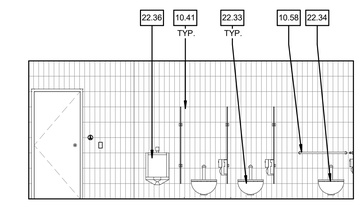
ROOM 204 - MEN'S RR - WEST ELEVATION | **18** | 1/4" = 1'-0"



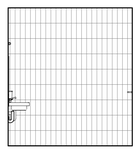
ROOM 204 - MEN'S RR - NORTH ELEVATION | **13** | 1/4" = 1'-0"



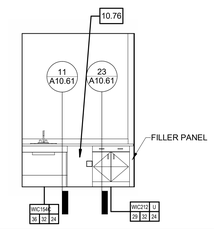
ROOM 204 - MEN'S RR - EAST ELEVATION | **8** | 1/4" = 1'-0"



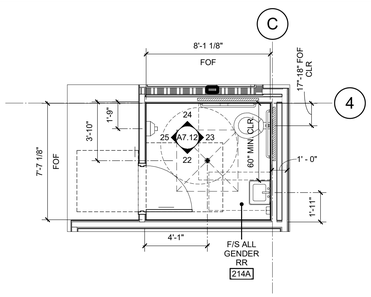
ROOM 204 - MEN'S RR - SOUTH ELEVATION | **3** | 1/4" = 1'-0"



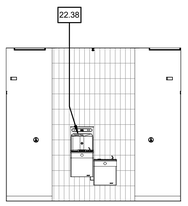
ROOM 214A - F/S ALL GENDER RESTROOM - SOUTH ELEVATION | **22** | 1/4" = 1'-0"



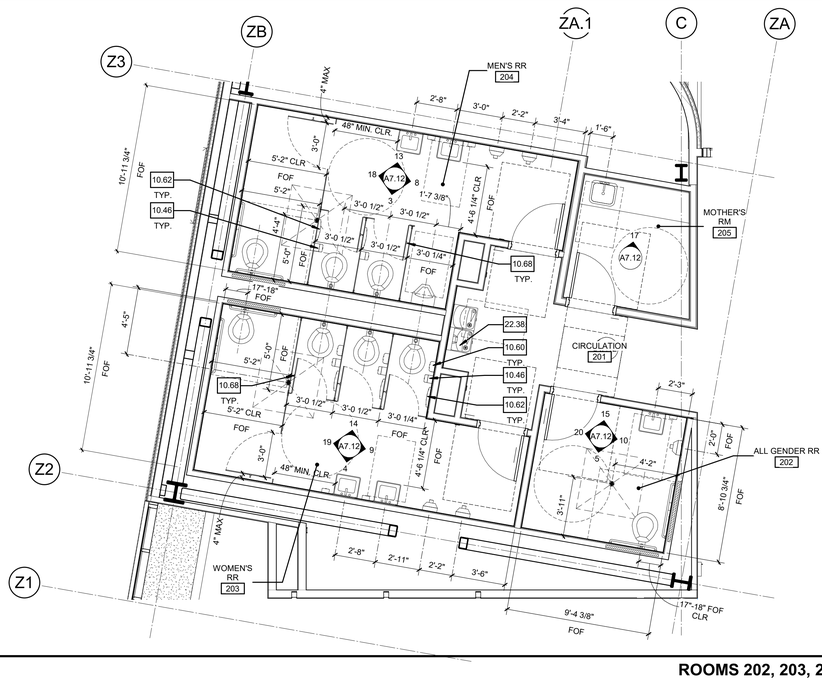
ROOM 205 - MOTHER'S ROOM | **17** | 1/4" = 1'-0"



ROOM 214A - RESTROOM | **21** | 1/4" = 1'-0"



ROOM 201 - CIRCULATION - WEST ELEVATION | **16** | 1/4" = 1'-0"



ROOMS 202, 203, 204 - RESTROOMS | **1** | 1/4" = 1'-0"

8/6/2021 8:53:18 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

10.41	TOILET COMPARTMENT | 6/A10.91
10.45	TOILET TISSUE DISPENSER; RECESSED | 1/A10.71
10.46	TOILET TISSUE DISPENSER; SURFACE MOUNTED | 1/A10.71
10.57	WALL MOUNTED SOAP DISPENSER | 1/A10.71
10.58	GRAB BAR; 36" MIN AT REAR WALL & 42" MIN AT SIDE WALL | 1/A10.71
10.59	SANITARY NAPKIN VENDOR; RECESSED | 1/A10.71
10.60	SANITARY NAPKIN DISPOSAL; SURFACE MOUNT | 1/A10.71
10.61	SEAT COVER DISPENSER; RECESSED | 1/A10.71
10.62	SEAT COVER DISPENSER; SURFACE MOUNTED | 1/A10.71
10.63	MIRROR; 18X36 | 1/A10.71
10.68	CLOTHES HOOK; MOUNTED 48" AFF AT ACCESSIBLE STALL, 60" AFF AT STANDARD STALL
10.70	HAND DRYER; SURFACE MOUNTED | 1/A10.71
10.76	MINI FRIDGE SPACE (OFOI)
22.31	LAVATORY | PLUMBING
22.33	WATER CLOSET | PLUMBING
22.34	A.D.A. ACCESSIBLE WATER CLOSET | PLUMBING
22.36	A.D.A. ACCESSIBLE URINAL | PLUMBING
22.38	ACCESSIBLE HI LO DRINKING FOUNTAIN W/ BOTTLE REFILL | PLUMBING
26.41	LIGHT FIXTURE | ELECTRICAL

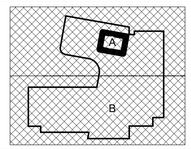
LEGEND

- CT# — FINISH/MATERIAL, REFER TO SHEET A9.31
- CT5 & CT6 - REFER TO 18/A10.63 FOR PATTERN DETAILS
- CT3, CT4, CT5 & CT6 - REFER TO 17/A10.63 FOR PATTERN DETAILS
- 30" x 48" ACCESSIBLE CLEAR SPACE
- 60" DIAMETER ACCESSIBLE TURN AROUND
- 60" x 56" ACCESSIBLE CLEAR SPACE
- FLOOR DRAIN; 2% MAX SLOPE TYPICAL

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. FOR FIXTURE & ACCESSORY MOUNTING HEIGHTS AND LOCATIONS, SEE 1/A10.71.
3. HATCH PATTERNS DO NOT REFLECT TILE SIZE OR PATTERN, REFER TO RESPECTIVE DETAILS FOR PATTERN LAYOUT AND TILE SIZES.
4. DIMENSIONS ARE TO FACE OF STUD, U.N.O.
5. REFER TO SLAB PLANS FOR FLOOR DRAIN LOCATIONS, SEE A2.13A, A2.13B, A2.23A, & A2.23B.

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED TOILET PLANS AND ELEVATIONS

DSA APPROVAL

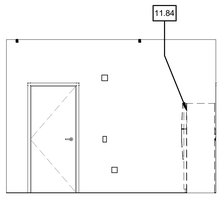
FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

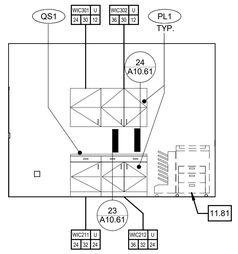
SHEET:

A7.12

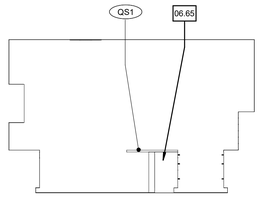
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL SHEET. IF IT'S SHORTER, SCALE ACCORDINGLY



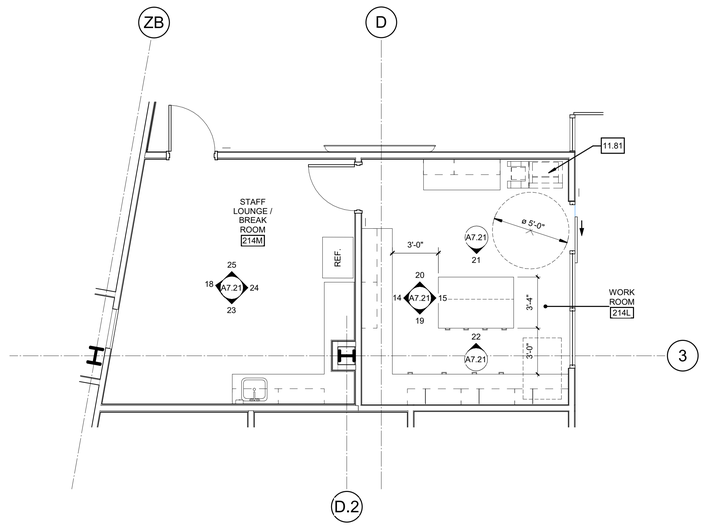
ROOM 214M - STAFF LOUNGE - NORTH ELEVATION | **25** | 1/4" = 1'-0"



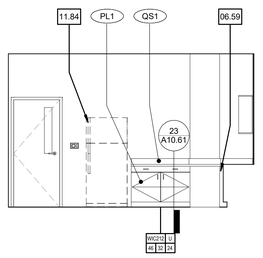
ROOM 214L - WORK ROOM - NORTH ELEVATION | **20** | 1/4" = 1'-0"



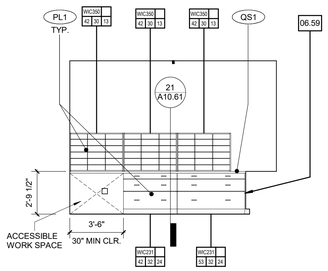
ROOM 214L - WORK ROOM - EAST ELEVATION | **15** | 1/4" = 1'-0"



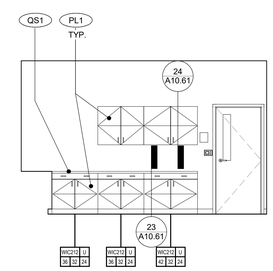
ROOM 214L - WORK ROOM & ROOM 214M - STAFF LOUNGE | **4** | 1/4" = 1'-0"



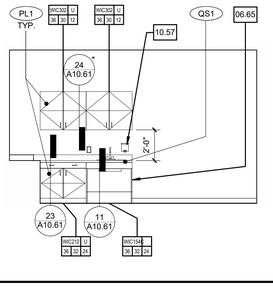
ROOM 214M - STAFF LOUNGE - EAST ELEVATION | **24** | 1/4" = 1'-0"



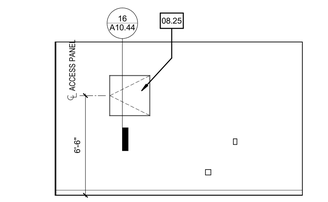
ROOM 214L - WORK ROOM - SOUTH ELEVATION | **19** | 1/4" = 1'-0"



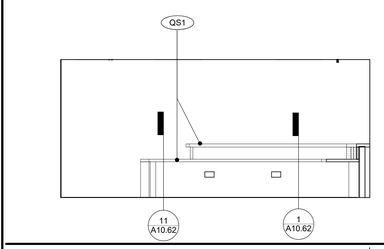
ROOM 214L - WORK ROOM - WEST ELEVATION | **14** | 1/4" = 1'-0"



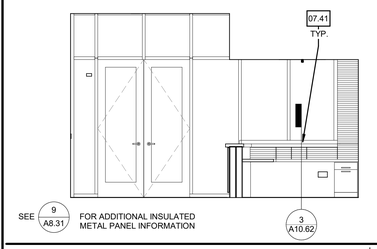
ROOM 214M - STAFF LOUNGE - SOUTH ELEVATION | **23** | 1/4" = 1'-0"



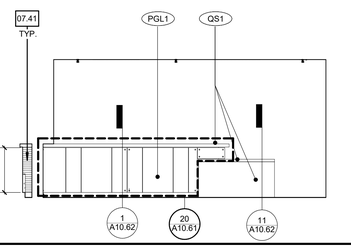
ROOM 214M - STAFF LOUNGE - WEST ELEVATION | **18** | 1/4" = 1'-0"



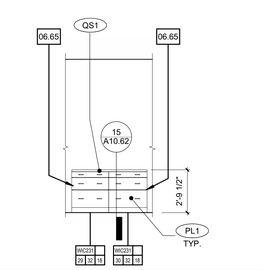
ROOM 115A - INTAKE WORKSTATION - WEST ELEVATION | **13** | 1/4" = 1'-0"



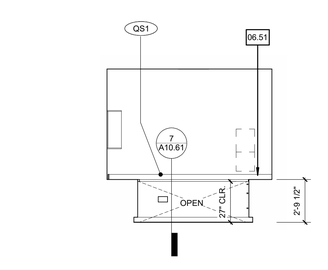
ROOM 115A - INTAKE STATION - NORTH ELEVATION | **8** | 1/4" = 1'-0"



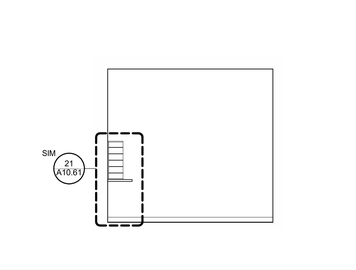
ROOM 115A - INTAKE WORKSTATION - EAST ELEVATION | **3** | 1/4" = 1'-0"



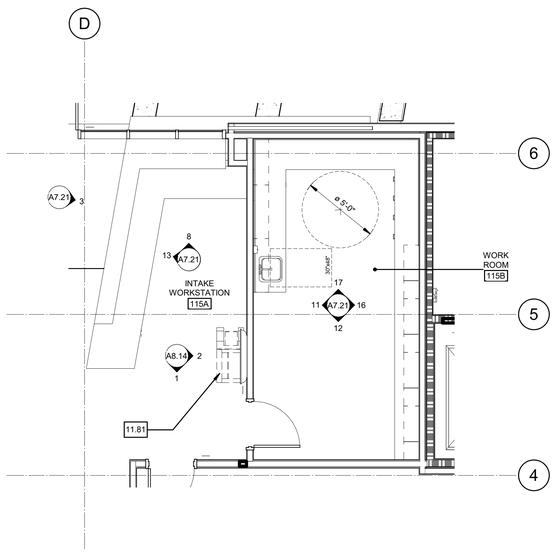
ROOM 214L - WORK ROOM - ISLAND NORTH ELEVATION | **22** | 1/4" = 1'-0"



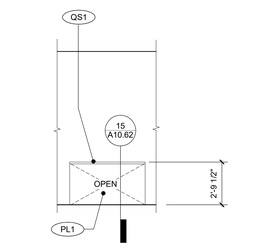
ROOM 115B - WORK ROOM - NORTH ELEVATION | **17** | 1/4" = 1'-0"



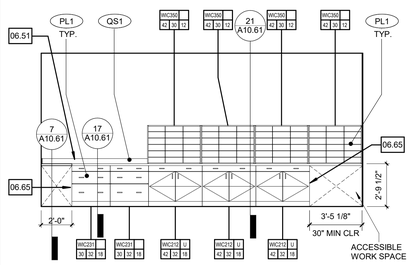
ROOM 115B - WORK ROOM - SOUTH ELEVATION | **12** | 1/4" = 1'-0"



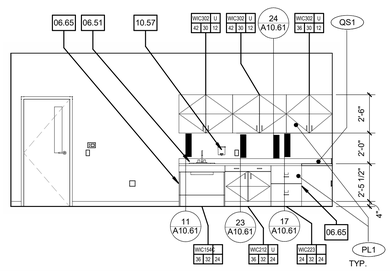
ROOM 115A - INTAKE STATION & ROOM 115B - WORK ROOM | **1** | 1/4" = 1'-0"



ROOM 214L - WORK ROOM - ISLAND SOUTH ELEVATION | **21** | 1/4" = 1'-0"



ROOM 115B - WORK ROOM - EAST ELEVATION | **16** | 1/4" = 1'-0"



ROOM 115B - WORK ROOM- WEST ELEVATION | **11** | 1/4" = 1'-0"

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

06.51	COUNTER WITH 4"H BACKSPLASH AND LOWER CASEWORK
06.59	FILLER PANEL, FINISH TO MATCH ADJACENT CASEWORK WHEN EXPOSED
06.65	END PANEL; FINISH TO MATCH ADJACENT CASEWORK
07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
08.25	ACCESS PANEL IN GYP | 16/A10.44, SEE SPECS
10.57	WALL MOUNTED SOAP DISPENSER | 1/A10.71
11.81	COPIER (OFOI)
11.84	REFRIGERATOR (OFOI)

NOTES

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
ENLARGED FLOOR PLANS & ELEVATIONS

DSA APPROVAL

FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A7.21

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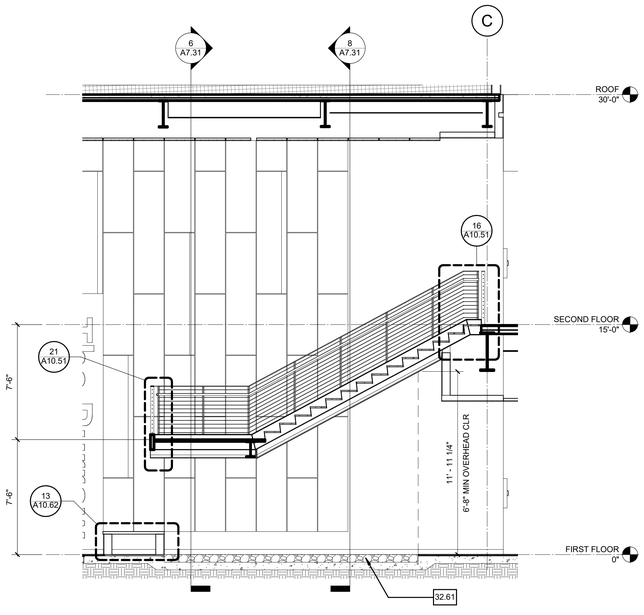
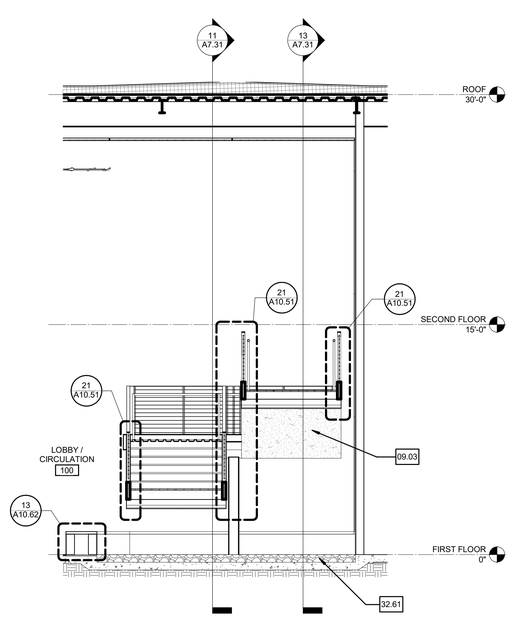
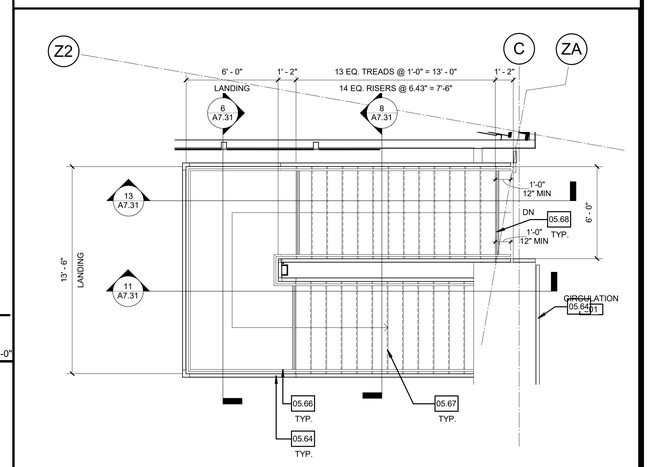


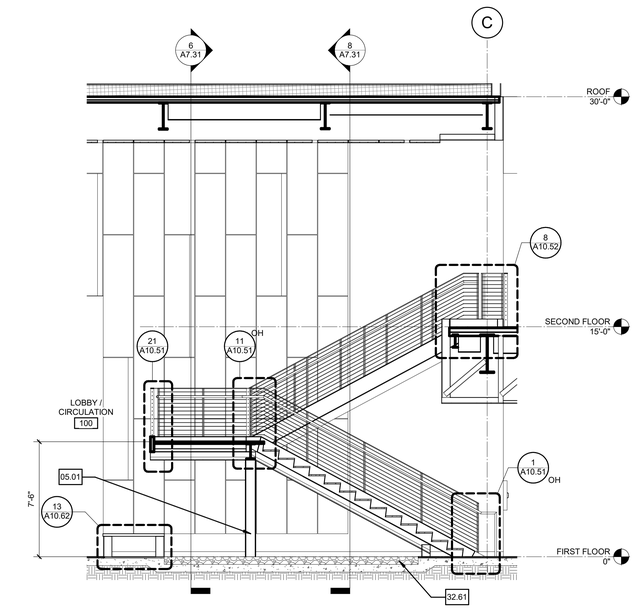
STAIR #1 - SECTION C | 13 | 1/4" = 1'-0"



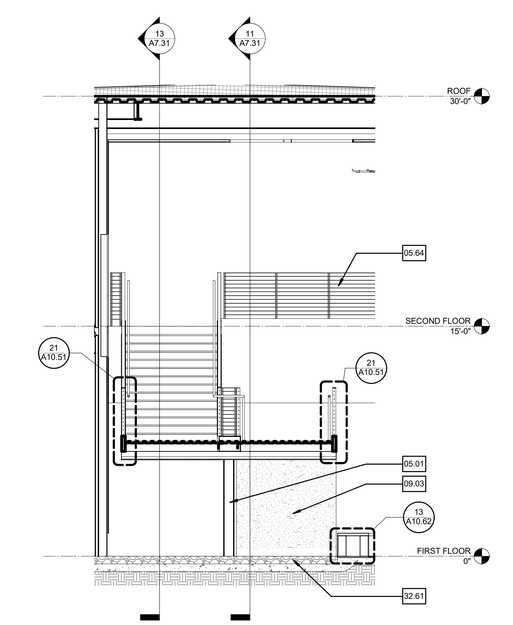
STAIR #1 - SECTION B | 8 | 1/4" = 1'-0"



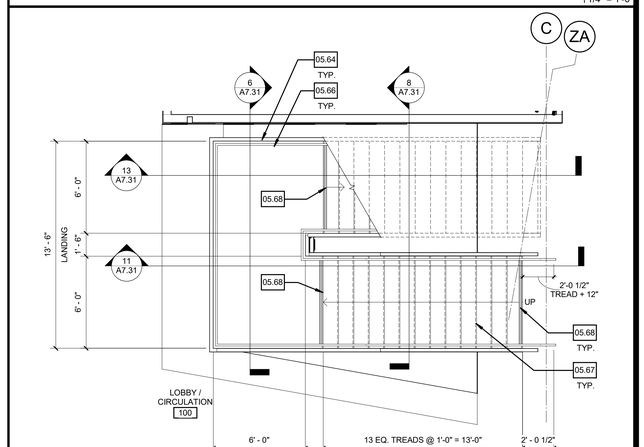
STAIR #1 - SECOND FLOOR | 2 | 1/4" = 1'-0"



STAIR #1 - SECTION D | 11 | 1/4" = 1'-0"



STAIR #1 - SECTION A | 6 | 1/4" = 1'-0"



STAIR #1 - FIRST FLOOR | 1 | 1/4" = 1'-0"

8/5/2021 8:54:06 AM

PLEASE RECYCLE

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

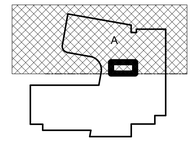
05.01	STRUCTURAL STEEL COLUMN | STRUCTURAL
05.64	METAL GUARD
05.66	METAL HANDRAIL
05.67	METAL STAIR WITH CONCRETE FILLED PANS
05.68	TREAD STRIP
09.03	GYPSUM BOARD SOFFIT
32.61	ROCK GARDEN | LANDSCAPE

LEGENDS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO SHEET A10.51 & A10.52 FOR ADDITIONAL DETAILS

KEY PLAN:



FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED STAIR #1 - PLANS AND SECTIONS

DSA APPROVAL

FILE NO.: 36-C1	**A# : 04-119722**
DATE: **08.05.2021**	CLIENT PROJ NO:

SHEET:

A7.31

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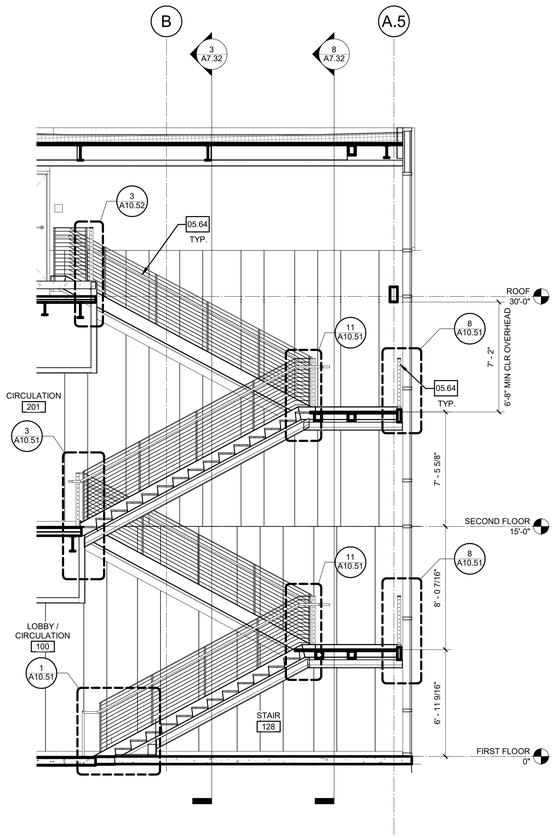
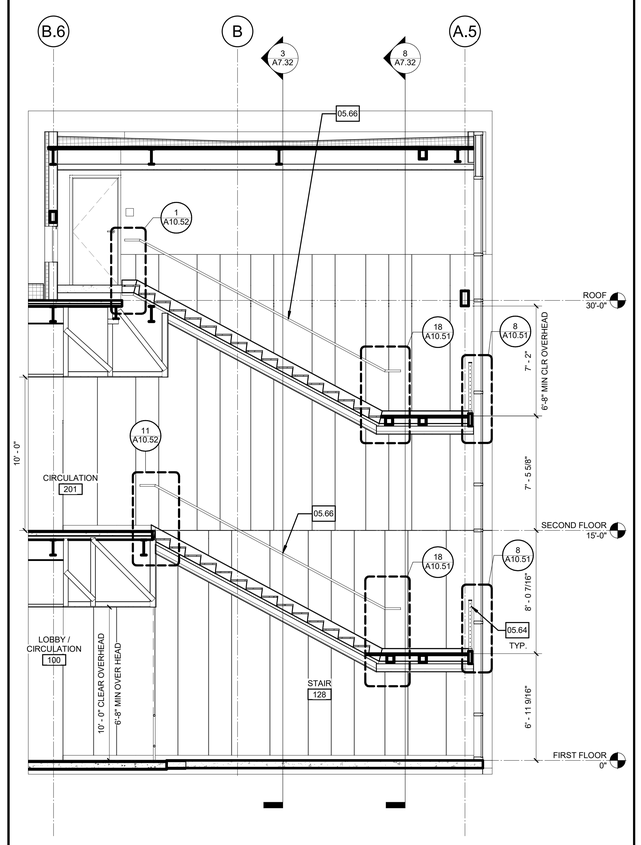
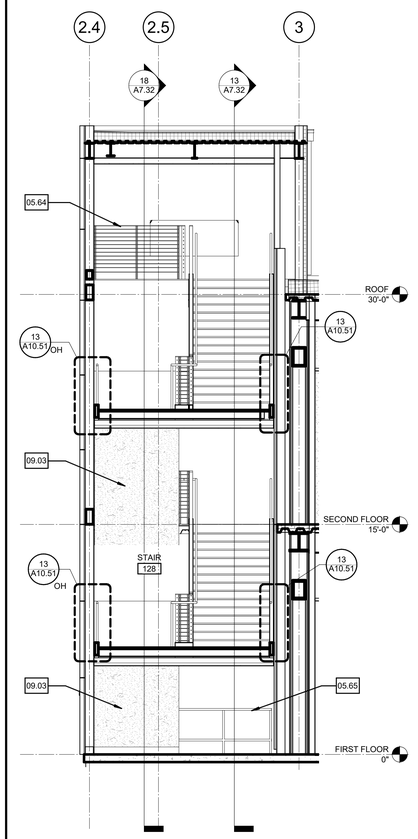


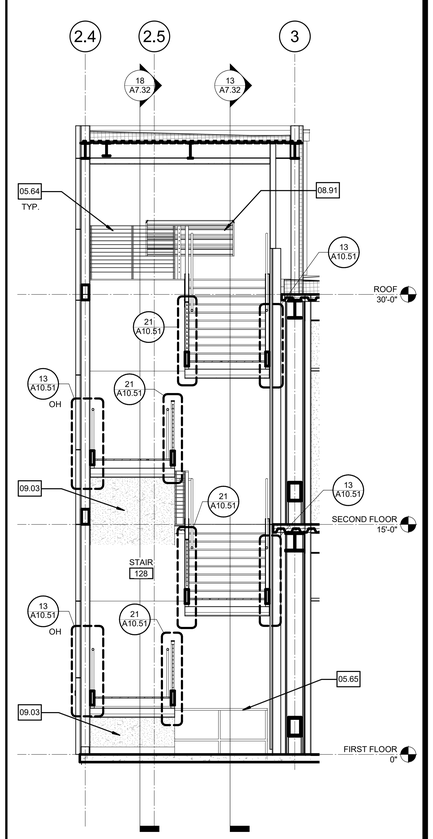
STAIR #2 - SECTION D | 18 | 1/4" = 1'-0"



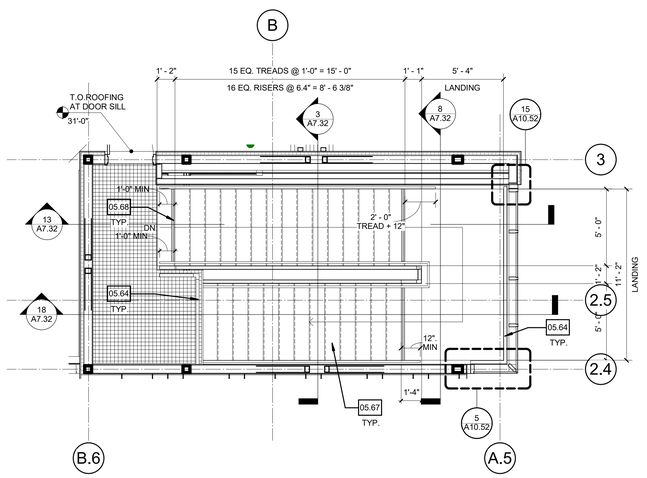
STAIR #2 - SECTION C | 13 | 1/4" = 1'-0"



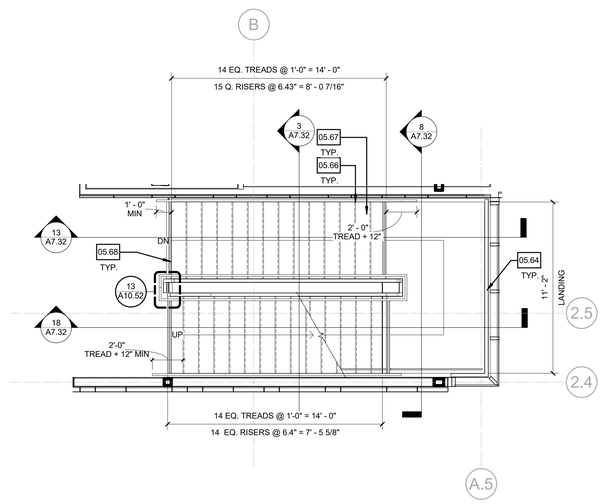
STAIR #2 - SECTION B | 8 | 1/4" = 1'-0"



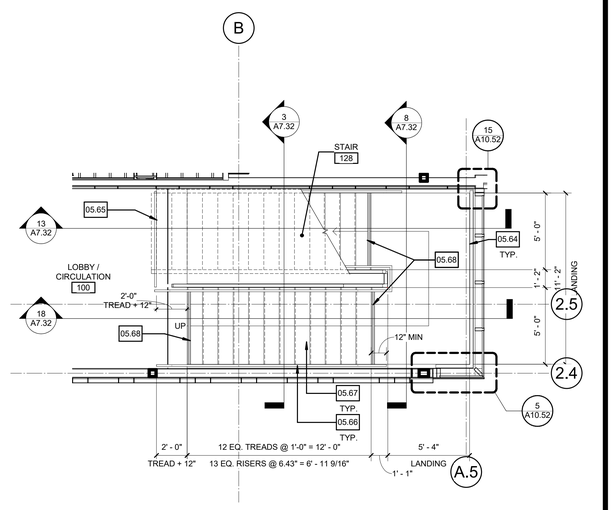
STAIR #2 - SECTION A | 3 | 1/4" = 1'-0"



STAIR #2 - ROOF | 16 | 1/4" = 1'-0"



STAIR #2 - SECOND FLOOR | 6 | 1/4" = 1'-0"



STAIR #2 - FIRST FLOOR | 1 | 1/4" = 1'-0"

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

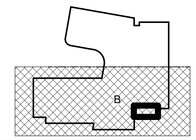
05.64	METAL GUARD
05.65	METAL CANE DETECTION RAIL | 19/A10.52
05.66	METAL HANDRAIL
05.67	METAL STAIR WITH CONCRETE FILLED PANS
05.68	TREAD STRIP
08.91	LOUVERS AND VENTS | 1 & 4/A10.44
09.03	GYPSUM BOARD SOFFIT

LEGENDS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO SHEET A10.51 & A10.52 FOR ADDITIONAL DETAILS

KEY PLAN:



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SHEET NAME:

ENLARGED STAIR #2 - PLANS AND SECTIONS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

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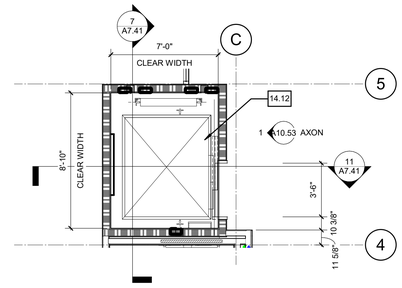
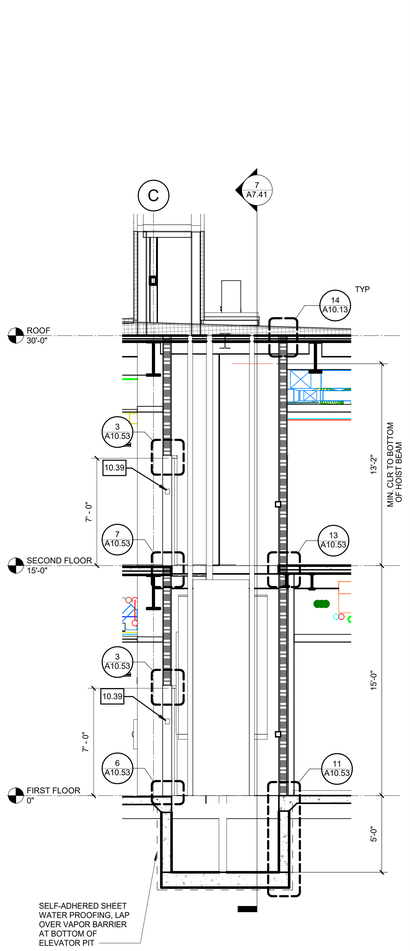
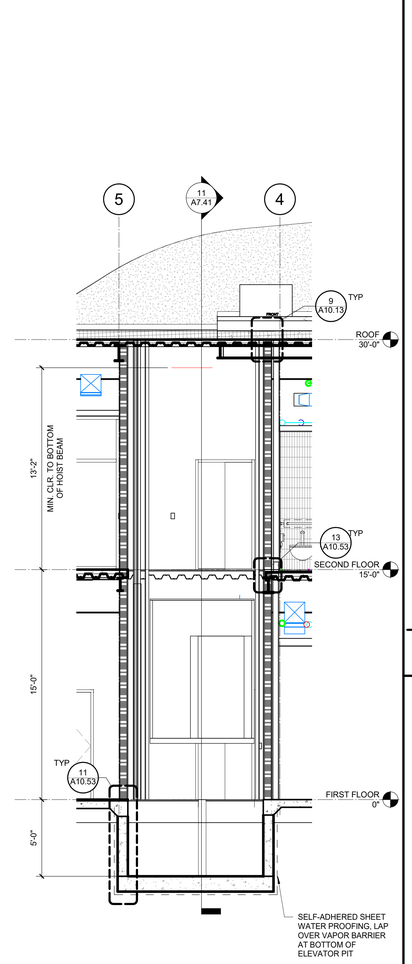


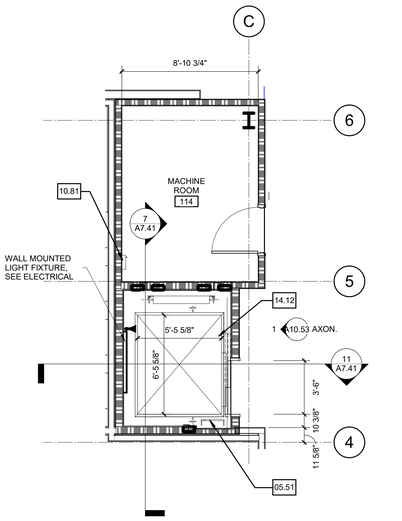
ELEVATOR - 2ND FLOOR **4** 1/4" = 1'-0"



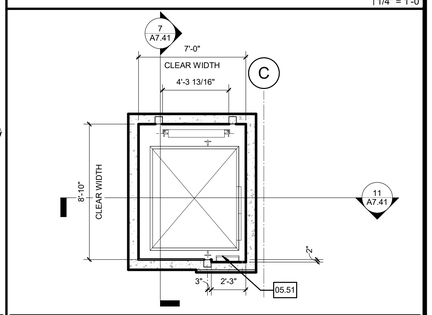
ELEVATOR - SECTION B **11** 1/4" = 1'-0"



ELEVATOR - SECTION A **7** 1/4" = 1'-0"



ELEVATOR - 1ST FLOOR **2** 1/4" = 1'-0"



ELEVATOR - PIT PLAN **1** 1/4" = 1'-0"

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

05.51	ELEVATOR PIT LADDER | 08/A10.53
10.39	FLOOR DESIGNATION SIGN AT ELEVATOR DOOR JAMB | 5/A10.53
10.81	RECESSED FIRE EXTINGUISHER CABINET | 1/A10.91
14.12	ELEVATOR CONTROL PANEL | 2/A10.53

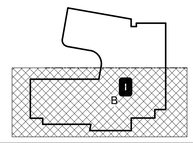
LEGENDS

1-HR FIRE RATED WALL

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO SHEET A10.53 FOR ADDITIONAL DETAILS
3. REFER TO DIMENSION PLANS FOR WALL TYPES AND DIMENSIONS

KEY PLAN:



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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED ELEVATOR PLANS, ELEVATIONS, AND SECTIONS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

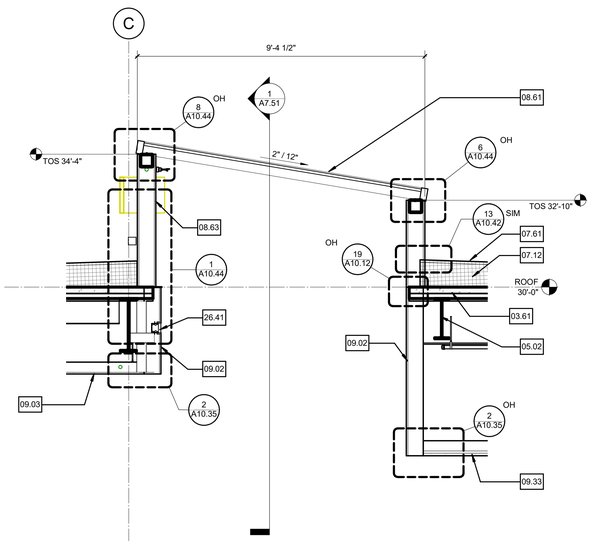
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

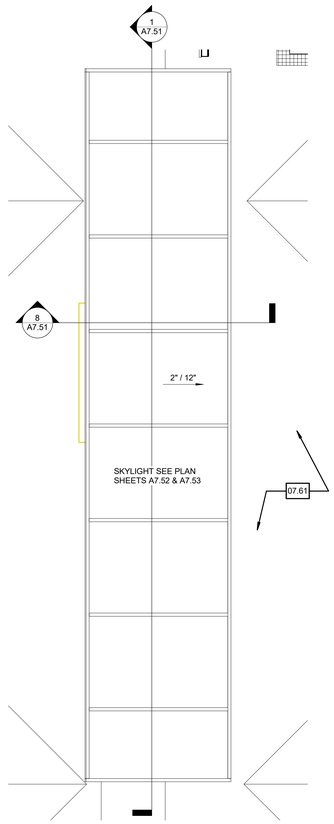
A7.41

8/5/2021 8:54:39 AM

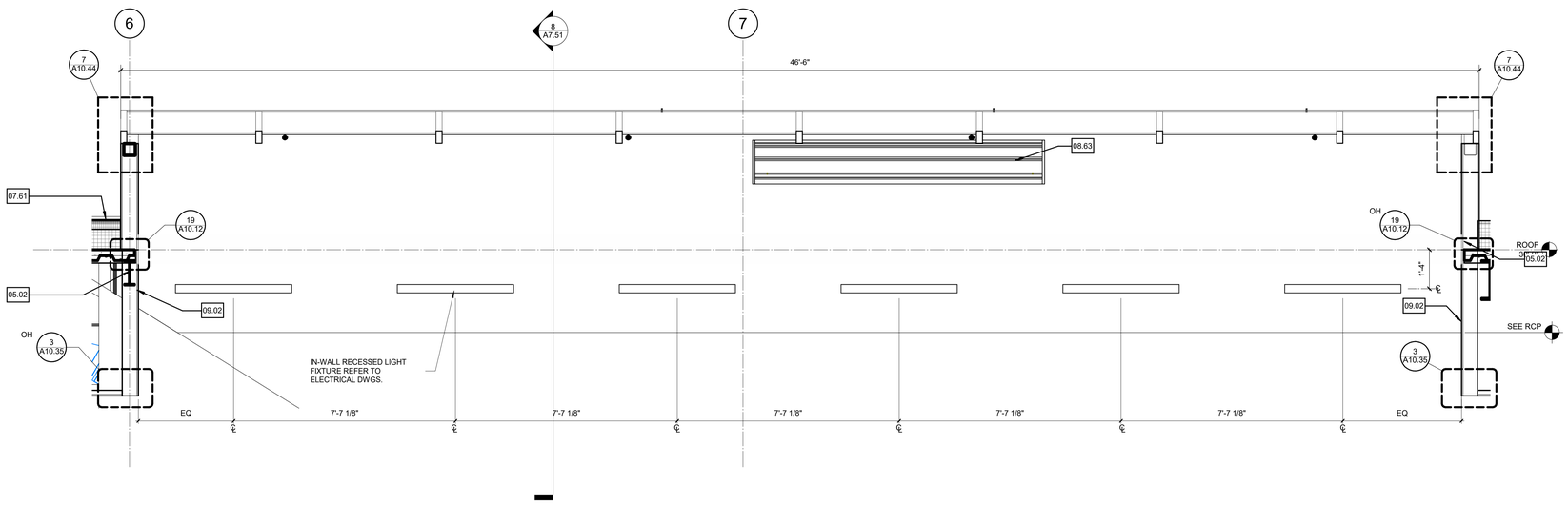
PLEASE RECYCLE



SKYLIGHT - SHORT SECTION | 8 | 1/2" = 1'-0"



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



SKYLIGHT - LONGITUDNIAL SECTION | 1 | 1/2" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

LICENSED ARCHITECT
KENNETH SALYER
NO. C-13082
REN. 11-30-21
STATE OF CALIFORNIA

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.61	COMPOSITE METAL DECK
05.02	STRUCTURAL STEEL BEAM | STRUCTURAL
07.12	SLOPED RIGID INSULATION
07.61	MEMBRANE ROOFING ASSEMBLY - MODIFIED BITUMEN | 1/A10.41
08.61	SKYLIGHT
08.63	LOUVER @ ROOF MEMBRANE | 1/A10.44
09.02	GYPSUM BOARD, PAINTED
09.03	GYPSUM BOARD SOFFIT
09.33	ACOUSTICAL PLASTER CEILING
26.41	LIGHT FIXTURE | ELECTRICAL

LEGENDS

NOTES

1. FOR ADDITIONAL SKYLIGHT INFORMATION REFER TO SHEETS A7.52 - A7.54

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
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ENLARGED SKYLIGHT PLANS, ELEVATIONS, AND SECTIONS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

A7.51

8/5/2021 8:54:50 AM

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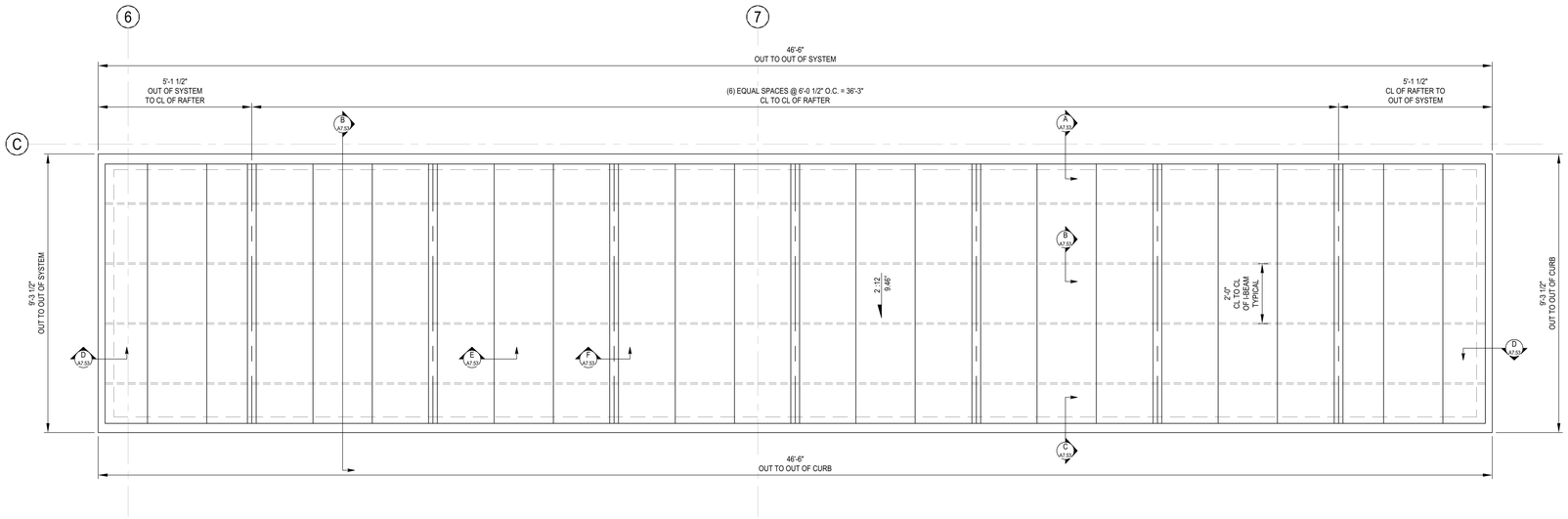
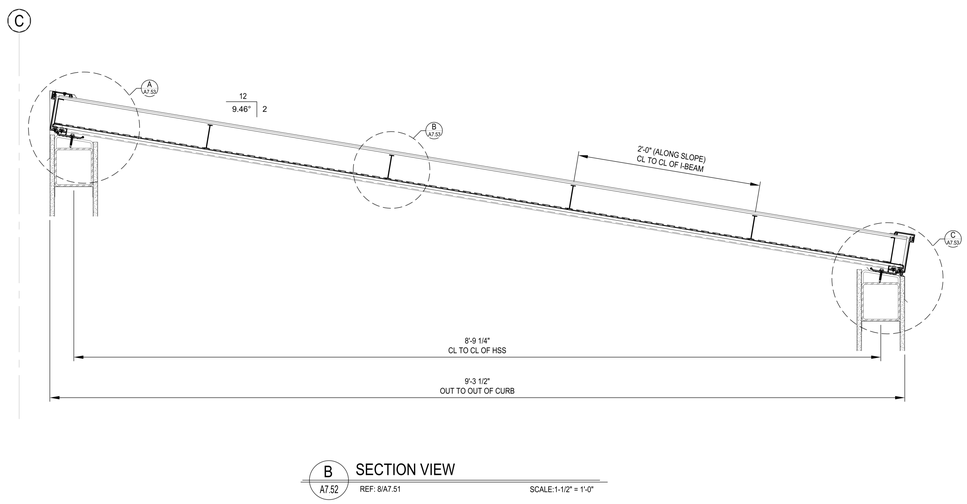


A A7.52 PLAN VIEW

SCALE:1/2" = 1'-0"

[1] UNIT REQUIRED
MATERIALS ONLY
SHIP GLAZING IN (8) PRE-ASSEMBLED SECTIONS
FRAMES AND FLASHING KNOCKED DOWN
REF: 3/A7.51



B A7.52 SECTION VIEW

REF: 8/A7.51

SCALE:1-1/2" = 1'-0"

GENERAL INSTALLATION NOTES:

REVIEW SHOP DRAWINGS AND FABRICATION DRAWING PACKET FOR SYSTEM DETAILS PRIOR TO INSTALLATION

PANEL EXPANSION TOLERANCE
POLYCARBONATE PANELS WILL EXPAND/CONTRACT APPROXIMATELY 1/4" FOR EVERY 10'-0" OF PANEL LENGTH. BE SURE TO LEAVE THE APPROPRIATE GAP AT THE TOP END OF EACH PANEL TO ALLOW FOR THIS MOVEMENT. IF UNSURE WHAT GAP TO LEAVE, CONTACT THE FACTORY.

SELF-DRILLING FASTENERS
THE USE OF IMPACT TOOLS WHEN INSTALLING ANY TYPE OF SELF-DRILLING/THREADING TEK SCREWS ON ANY OF THE MANUFACTURER PROJECTS IS NOT RECOMMENDED, ANY FAILURE OF HARDWARE FOLLOWING THE USE OF IMPACT TOOLS IS THE RESPONSIBILITY OF THE USER/INSTALLER. THE MANUFACTURER WILL NOT BE LIABLE FOR ANY FAILURE DUE TO IMPROPER INSTALLATION OF SAID SCREWS.

FASTENERS
THE USE OF FASTENERS THAT ARE NOT SUPPLIED BY THE MANUFACTURER MUST BE ZINC PLATED, GALVANIZED, OR 304 STAINLESS STEEL ONLY. THE USE OF ANY OTHER MATERIAL TYPES WILL VOID THE WARRANTY.

DRILL SHAVINGS
VACUUM OR BLOW AWAY ANY STEEL DRILL SHAVINGS IN ORDER TO AVOID FUTURE RUST STAINS.

SEALANT (100% SILICONE)
ALL METAL-TO-METAL JOINTS SHOULD BE SET IN A BEAD OF DOW 795 OR CWS 100% SILICONE SEALANT UNLESS NOTED OTHERWISE. ALL PENETRATIONS OF SILLS AND OR FLASHING SHOULD BE COMPLETELY SEALED. ALL FLASHING LAP JOINTS OR END COVERS MUST BE SEALED. ALL SILL FLASHING SHOULD BE END DAMMED AND SEALED TO PREVENT ANY WATER FROM BYPASSING THE FLASHING AND ENTERING ANY INTERIOR SPACES.

DIMENSIONS VERIFICATION FORM

THE FINISH OPENING DIMENSIONS AND/OR ELEVATIONS INDICATED ON THESE MANUFACTURER DRAWINGS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD CONDITIONS OR OTHERWISE CONFIRMED TO BE ACCURATE. THE MANUFACTURER IS HEREBY RELEASED TO BEGIN FABRICATION OF THE SKYLIGHT(S) AND/OR WALL LITE(S) FOR THIS PROJECT BASED UPON THE ABOVE INFORMATION AND/OR ANY CORRECTIONS LISTED UPON THESE DRAWINGS. IF DIMENSIONS ARE BEING GUARANTEED AS NOTED THE ACCEPTABLE TOLERANCE IS (±) 1/2", NON-CUMULATIVE, IN ALL DIMENSIONS. ANY VARIANCE BEYOND THIS WILL NOT BE THE RESPONSIBILITY OF THE MANUFACTURER.

APPROVER SIGNATURE: _____
COMPANY NAME: _____
DATE: _____

PLEASE NOTE: THIS PROJECT WILL NOT BE INSERTED INTO THE SHOP PRODUCTION SCHEDULE UNTIL THIS FORM IS SIGNED AND RETURNED TO THE MANUFACTURER.

GENERAL SPECIFICATION AND NOTES:

GLAZING: ALL GLAZING SHALL BE 10mm OVER 8mm IN THE QUAD GLAZE CONFIGURATION WITH A CLASS 'A' FIRE RATING PER ASTM E-108, UBC STD 32-7 & UL 790 AND ICC ESR-1253

CLASS 'A' PANELS

GLAZING COLOR TO BE: *****SEE SPECIFICATIONS*****

EXTERIOR (10mm)
[ ] CLEAR
[ ] WHITE
[ ] ICE WHITE
[ ] SPECIAL: _____

INTERIOR (8mm)
[ ] CLEAR MATTE
[ ] WHITE MATTE
[ ] ICE WHITE MATTE
[ ] SPECIAL: _____

ALUMINUM: ALL EXPOSED ALUMINUM FRAMING MEMBERS SHALL BE OF 6063-T6 OR 6005-T5 ALLOY & TEMPER W/ MANUFACTURER'S STANDARD (10)YEAR LIMITED FINISH WARRANTY

FINISH TO BE: *****SEE SPECIFICATIONS*****

[ ] AA M10 C22 A31 (204-R1) CLEAR ANODIZE FINISH

CONTRACTOR: INSTALLER TO ISOLATE DISSIMILAR METALS.

FASTENERS: SHALL BE OF NON-CORRODING MATERIALS; STAINLESS OR ZINC PLATED.

SEALANT: ONE (1) PART SILICONE SEALANT BY DOW CORNING SERIES #795 OR CWS TO BE USED WHERE SHOWN.

APPROVAL: THE MANUFACTURER REQUIRES BOTH APPROVED SHOP DRAWINGS AND WRITTEN VERIFICATION OR FIELD MEASUREMENTS OF ALL OPENING DIMENSIONS PRIOR TO FABRICATION OF TRANSLUCENT SYSTEMS. PLEASE ALLOW A (12) WEEK LEAD TIME FROM OUR RECEIPT OF APPROVALS AND OPENING VERIFICATIONS TO DELIVERY OF SYSTEM.

SEALANT, BACKER ROD, & SHIMS

EXCLUDED
[X] SHIMS
[X] BACKER ROD
[X] SEALANT

INCLUDED
[ ] SHIMS
[ ] BACKER ROD
[ ] SEALANT TYPE: _____
[ ] COLOR: _____
[ ] SPECIAL: _____

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NO. C-19082
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SHEET NAME:
SKYLIGHT PLAN & SECTION VIEW

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

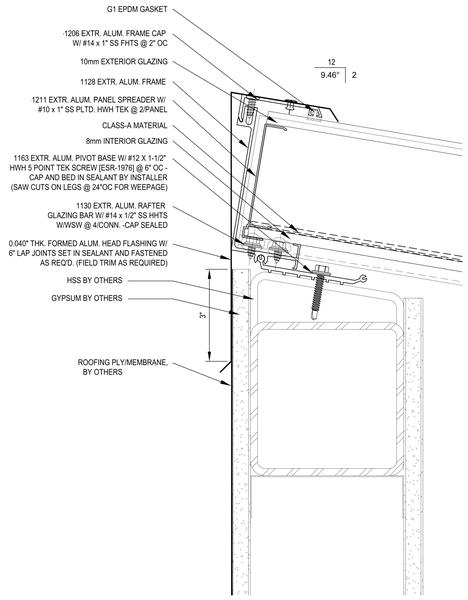
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A7.52

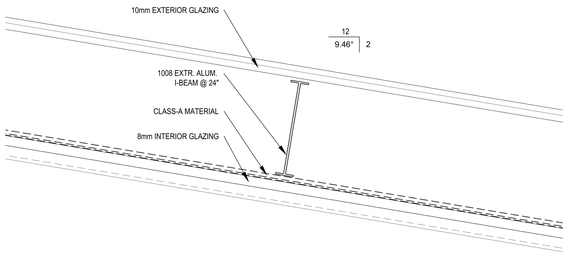
8/5/2021 8:55:16 AM

PLEASE RECYCLE

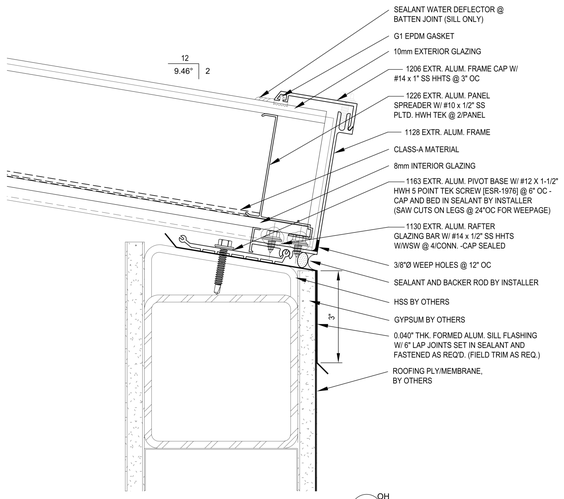


SEE 8/A10.44 OH FOR ADDITIONAL INFORMATION FOR ROOFING/FLASHING

A A7.53 DETAIL @ HEAD
REF: 3/A10.46 SCALE:1:2

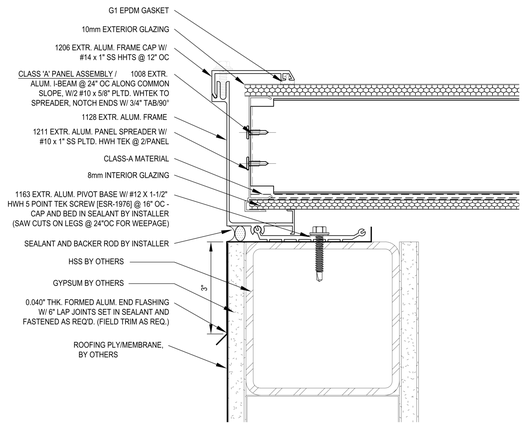


B A7.53 DETAIL @ I-BEAM
SCALE:1:2



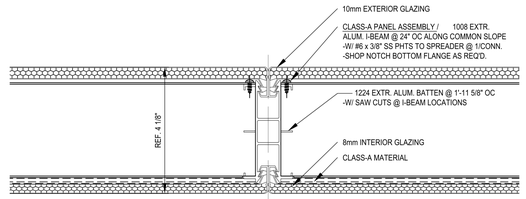
SEE 6/A10.44 OH FOR ADDITIONAL INFORMATION FOR ROOFING/FLASHING

C A7.53 DETAIL @ SILL
REF: 1/A10.46 SCALE:1:2

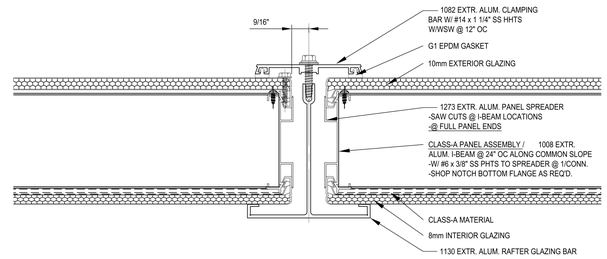


SEE 7/A10.44 OH FOR ADDITIONAL INFORMATION FOR ROOFING/FLASHING

D A7.53 DETAIL @ END
REF: 2/A10.46 SCALE:1:2



E A7.53 DETAIL @ BATTEN
REF: 5/A10.46 SCALE:1:2



F A7.53 DETAIL @ RAFTER
REF: 4/A10.46 SCALE:1:2

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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SHEET NAME:
SKYLIGHT DETAILS

DSA APPROVAL

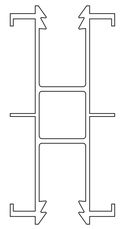
FILE NO.: 36-C1 A# : 04-119722

DATE: 08.05.2021 CLIENT PROJ NO:

SHEET:

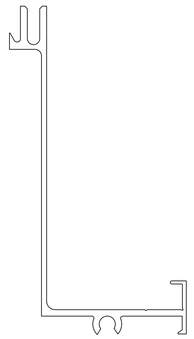
A7.53

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



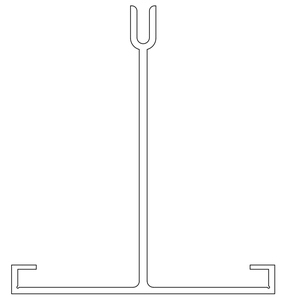
---------- CPI 1224 ----------
Alloy: 6005-T5

Area: 0.7572
Perimeter: 22.3099
Bounding box: X: -0.7939 -- 0.7939
Y: -1.6590 -- 1.6590
Centroid: X: 0.0000
Y: 0.0000
Moments of inertia: X: 0.8637
Y: 0.1422
Product of inertia: XY: 0.0000
Radii of gyration: X: 1.0680
Y: 0.4333
Principal moments and X-Y directions about centroid:
I: 0.1422 along [0.0000 -1.0000]
J: 0.8637 along [1.0000 0.0000]
Sx= Ix/cy = 0.5206



---------- CPI 1128 ----------
Alloy: 6005-T5

Area: 0.819
Perimeter: 18.703
Bounding box: X: -0.960 -- 1.728
Y: -2.047 -- 2.942
Centroid: X: 0.000
Y: 0.000
Moments of inertia: X: 2.592
Y: 0.475
Product of inertia: XY: -0.758
Radii of gyration: X: 1.779
Y: 0.762
Principal moments and X-Y directions about centroid:
I: 0.232 along [0.306 -0.952]
J: 2.836 along [0.952 0.306]
Sx= Ix/cy = 0.8810



---------- CPI 1130 ----------
Alloy: 6005-T5

Area: 1.068
Perimeter: 20.612
Bounding box: X: -2.000 -- 2.000
Y: -1.335 -- 3.041
Centroid: X: 0.000
Y: 0.000
Moments of inertia: X: 2.365
Y: 0.883
Product of inertia: XY: 0.000
Radii of gyration: X: 1.488
Y: 0.909
Principal moments and X-Y directions about centroid:
I: 0.883 along [0.000 1.000]
J: 2.365 along [-1.000 0.000]
Sx= Ix/cy = 0.7777

---------- CPI 1008 ----------
Alloy: 6063-T6

Area: 0.247
Perimeter: 8.323
Bounding box: X: -0.295 -- 0.295
Y: -1.548 -- 1.548
Centroid: X: 0.000
Y: 0.000
Moments of inertia: X: 0.278
Y: 0.002
Product of inertia: XY: 0.000
Radii of gyration: X: 1.062
Y: 0.084
Principal moments and X-Y directions about centroid:
I: 0.002 along [0.000 1.000]
J: 0.278 along [-1.000 0.000]
Sx = Ix/Cy = .1762

---------- CPI-1163 ----------
Alloy: 6005-T5

Area: 0.5098
Perimeter: 9.5474
Bounding box: X: -1.7414 -- 1.8871
Y: -0.1632 -- 0.3487
Centroid: X: 0.0000
Y: 0.0000
Moments of inertia: X: 0.0038
Y: 0.5731
Product of inertia: XY: -0.0034
Radii of gyration: X: 0.0866
Y: 1.0602
Principal moments and X-Y directions about centroid:
I: 0.0038 along [1.0000 -0.0060]
J: 0.5731 along [0.0060 1.0000]
Sx= Ix/cy = 0.01090

---------- CPI 1082 ----------
Alloy: 6005-T5

Area: 0.49523438
Perimeter: 9.85004001
Bounding box: X: -1.74700420 -- 1.74700420
Y: -0.20024950 -- 0.09975050
Centroid: X: 0.00000000
Y: 0.00000000
Moments of inertia: X: 0.00331350
Y: 0.47835223
Product of inertia: XY: 0.00000000
Radii of gyration: X: 0.08179716
Y: 0.98280761
Principal moments and X-Y directions about centroid:
I: 0.00331350 along [1.00000000 0.00000000]
J: 0.47835223 along [0.00000000 1.00000000]
Sx= Ix/cy = .016547

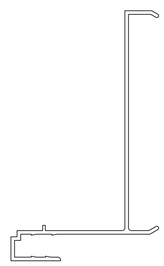
---------- CPI-1206 ----------
Alloy: 6005-T5

Area: 0.3611
Perimeter: 8.0819
Bounding box: X: -1.1399 -- 1.5510
Y: -0.7312 -- 0.1574
Centroid: X: 0.0000
Y: 0.0000
Moments of inertia: X: 0.0152
Y: 0.2920
Product of inertia: XY: 0.0267
Radii of gyration: X: 0.2050
Y: 0.8993
Principal moments and X-Y directions about centroid:
I: 0.0126 along [0.9955 0.0950]
J: 0.2945 along [-0.0950 0.9955]
Sx= Ix/cy = 0.02079

NOTE:
PLEASE REFER TO THE EXTRUSIONS ABOVE FOR THEIR SPECIFIC ALLOY.

6005-T5 MATERIAL PROPERTIES:

MINIMUM TENSILE ULTIMATE STRENGTH	FTU = 38000 PSI
MINIMUM SHEAR ULTIMATE STRENGTH	FSU = 0.6 FTU = 22800 PSI
MINIMUM TENSILE YIELD STRENGTH	FTY = 35000 PSI
MINIMUM SHEAR YIELD STRENGTH	FSY = 0.6 FTY = 21000 PSI
COMPRESSIVE YIELD STRENGTH	FCY = 35000 PSI
TENSION COEFFICIENT	KT = 1.25
MODULUS OF ELASTICITY	E = 1.01E+07 PSI



---------- CPI 1226 ----------
Alloy: 6063-T6

Area: 0.39994 sq in
Perimeter: 14.59406 in
Bounding box: X: -1.33821 -- 0.90719 in
Y: -1.37230 -- 2.42659 in
Centroid: X: 0.00000 in
Y: 0.00000 in
Moments of inertia: X: 0.63867 sq in sq in
Y: 0.17887 sq in sq in
Product of inertia: XY: 0.21148 sq in sq in
Radii of gyration: X: 1.26369 in
Y: 0.66877 in
Principal moments (sq in sq in) and X-Y directions about centroid:
I: 0.09640 along [0.36333 0.93166]
J: 0.72115 along [-0.93166 0.36333]
Sx= Ix/cy = 0.2632

---------- CPI 1211 ----------
Alloy: 6063-T6

Area: 0.297
Perimeter: 11.966
Bounding box: X: -0.263 -- 0.624
Y: -1.678 -- 2.078
Centroid: X: 0.000
Y: 0.000
Moments of inertia: X: 0.529
Y: 0.012
Product of inertia: XY: 0.002
Radii of gyration: X: 1.333
Y: 0.204
Principal moments and X-Y directions about centroid:
I: 0.012 along [0.003 1.000]
J: 0.529 along [-1.000 0.003]
Sx= Ix/cy = 0.2546

---------- CPI 1273 ----------
Alloy: 6005-T5

Area: 0.347
Perimeter: 14.018
Bounding box: X: -0.355 -- 0.481
Y: -1.659 -- 1.659
Centroid: X: 0.000
Y: 0.000
Moments of inertia: X: 0.412
Y: 0.017
Product of inertia: XY: 0.000
Radii of gyration: X: 1.089
Y: 0.218
Principal moments and X-Y directions about centroid:
I: 0.017 along [0.000 -1.000]
J: 0.412 along [1.000 0.000]
Sx= Ix/cy = 0.2483

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SHEET NAME:
SKYLIGHT COMPONENTS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

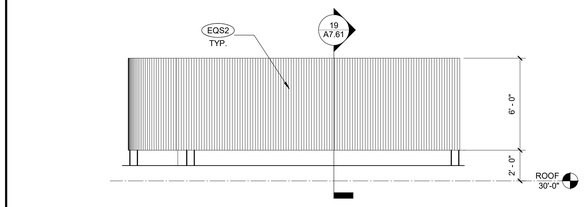
SHEET:

A7.54

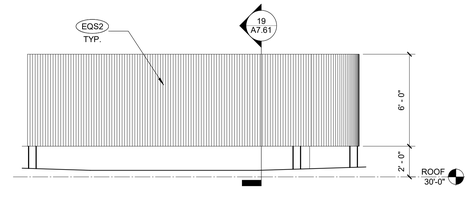
8/5/2021 8:55:49 AM

PLEASE RECYCLE

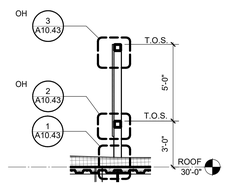
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



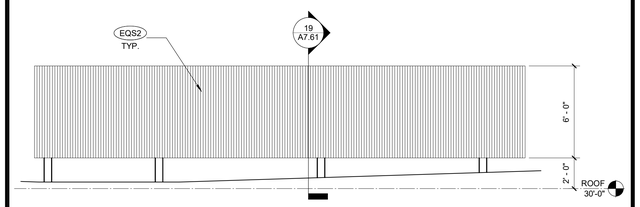
MECHANICAL SCREEN 1 ELEVATION - WEST | 10 | 1/4" = 1'-0"



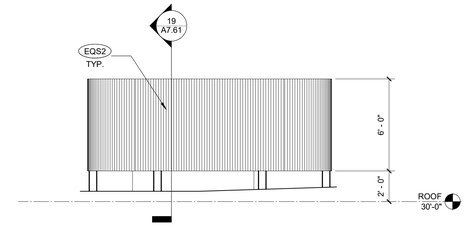
MECHANICAL SCREEN 1 ELEVATION - EAST | 5 | 1/4" = 1'-0"



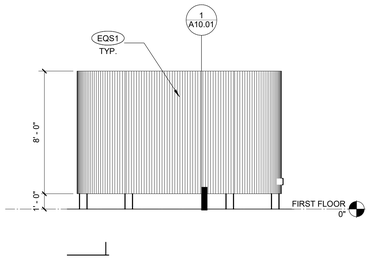
MECHANICAL SCREEN - POST | 19 | 1/4" = 1'-0"



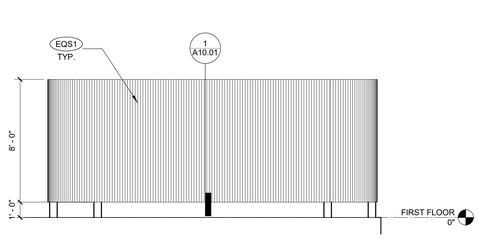
MECHANICAL SCREEN 2 - NORTH | 9 | 1/4" = 1'-0"



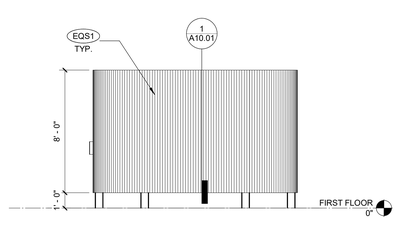
MECHANICAL SCREEN 1 ELEVATION - NORTH | 4 | 1/4" = 1'-0"



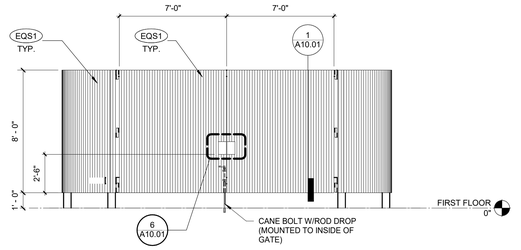
SUBSTATION SCREEN ELEVATION - NORTH | 23 | 1/4" = 1'-0"



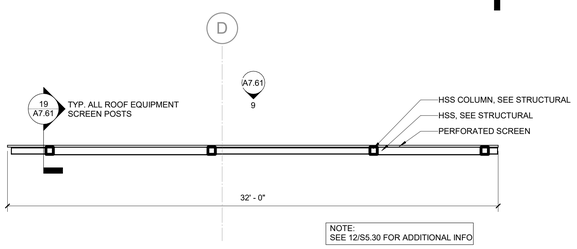
SUBSTATION SCREEN ELEVATION - EAST | 13 | 1/4" = 1'-0"



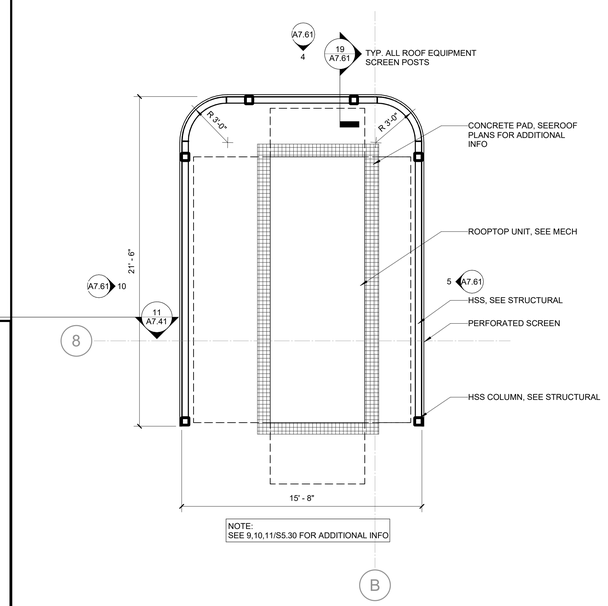
SUBSTATION SCREEN ELEVATION - SOUTH | 8 | 1/4" = 1'-0"



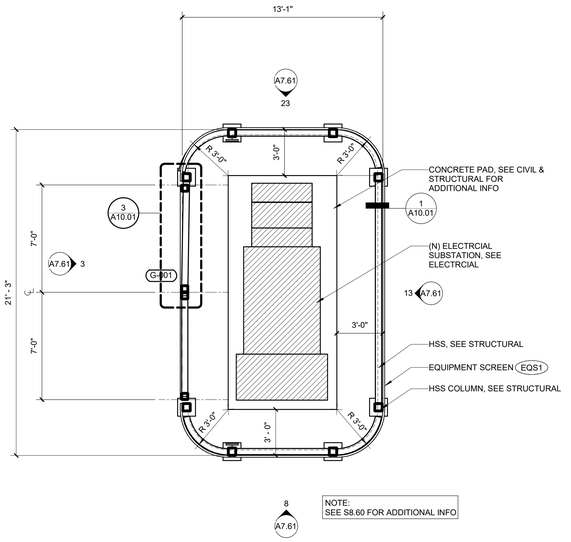
SUBSTATION SCREEN ELEVATION - WEST | 3 | 1/4" = 1'-0"



ENLARGED PLAN - MECH SCREEN AT RTU 2-4 | 16 | 1/4" = 1'-0"



ENLARGED PLAN - MECH SCREEN AT RTU 1 | 6 | 1/4" = 1'-0"



ENLARGED PLAN - MECH SCREEN AT SUBSTATION | 1 | 1/4" = 1'-0"

8/3/2021 8:56:08 AM

PLEASE RECYCLE

AGENCY APPROVAL:

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ONTARIO, CA 91764
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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

LEGENDS

NOTES

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED EQUIPMENT SCREEN PLANS AND ELEVATIONS

DSA APPROVAL

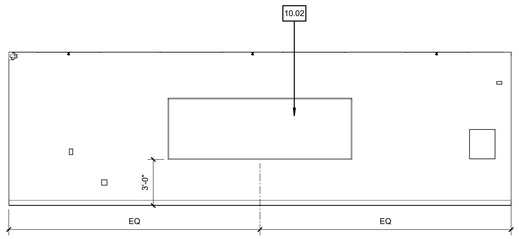
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

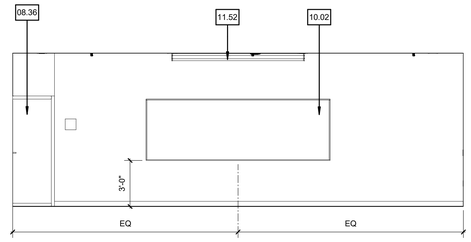
SHEET:

A7.61

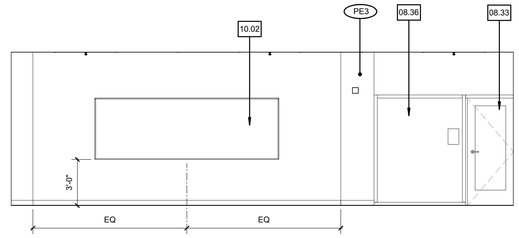
THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED ON EXHIBIT'S ORIGINAL SIZE SHEET'S ORIGINAL SIZE



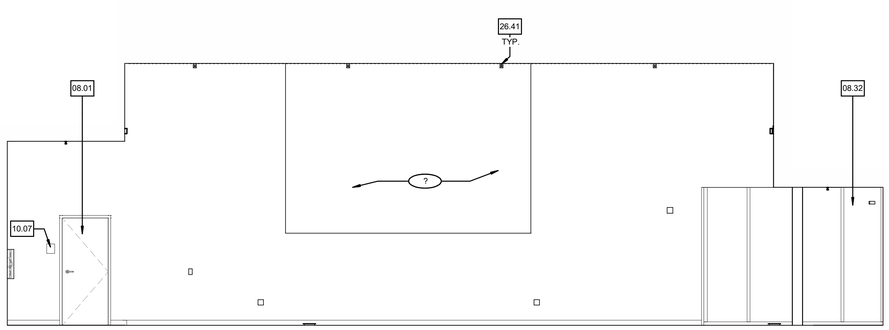
ROOM 115D - LARGE GROUP STUDY - EAST ELEVATION **19** 1/4" = 1'-0"



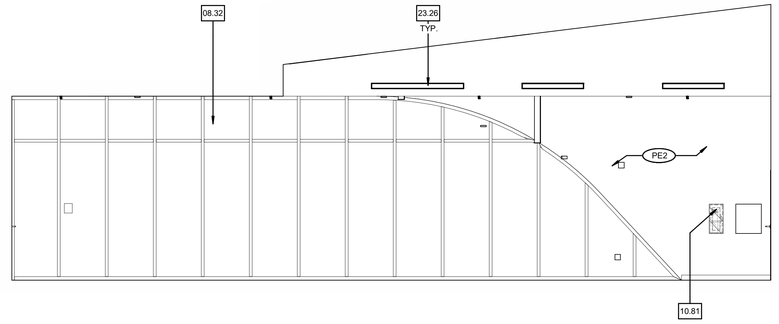
ROOM 115D - LARGE GROUP STUDY - NORTH ELEVATION **10** 1/4" = 1'-0"



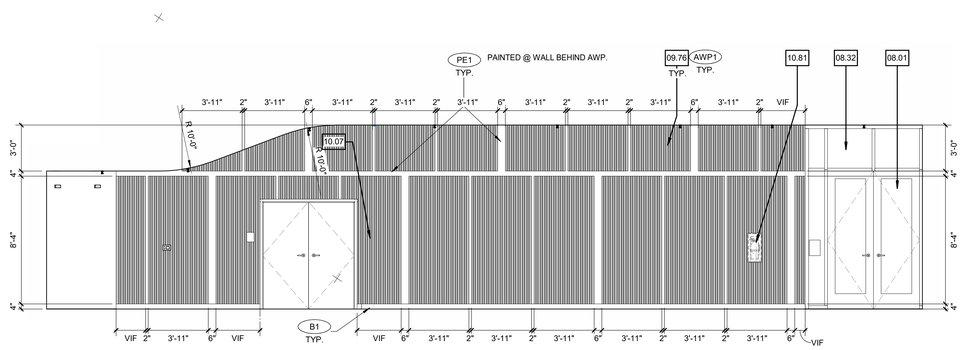
ROOM 115D - LARGE GROUP STUDY - WEST ELEVATION **5** 1/4" = 1'-0"



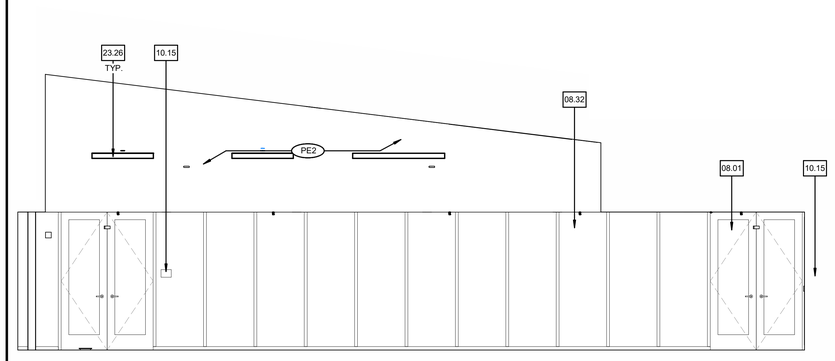
ROOM 101 - MULTI-PURPOSE ROOM - WEST **13** 1/4" = 1'-0"



ROOM 101 - MULTI-PURPOSE ROOM - SOUTH **3** 1/4" = 1'-0"



ROOM 101 - MULTI-PURPOSE ROOM - EAST **11** 1/4" = 1'-0"



ROOM 101 - MULTI-PURPOSE ROOM - NORTH **1** 1/4" = 1'-0"

9/5/2021 8:58:29 AM

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LICENSED ARCHITECT
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REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

08.01	DOOR | DOOR SCHEDULE
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
08.33	ALUMINUM DOOR | DOOR SCHEDULE
08.36	DEMOUNTABLE PARTITION | WINDOW SCHEDULE
09.76	ACOUSTICAL WALL PANEL
10.02	WHITE BOARD | 3/A10.91
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.15	TACTILE "EXIT" SIGN | 1B/A10.82
10.81	RECESSED FIRE EXTINGUISHER CABINET | 1/A10.91
11.52	PROJECTION SCREEN (OFOI) | 23/A10.32 | REFER TO AV
23.26	MECHANICAL REGISTERS | MECHANICAL
26.41	LIGHT FIXTURE | ELECTRICAL

NOTES

1. LIGHT FIXTURES, AIR TERMINALS, GRILLES, ELECTRICAL FIXTURES, OUTLETS, DATA RECEPTACLES, AUDIO/VIDEO CONNECTIONS AND MEDICAL GAS FIXTURES SHOWN ARE FOR ARCHITECTURAL COORDINATION AND DIMENSIONAL CONTROL ONLY. REF: MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS.
2. NOT ALL FIXTURES MAY BE SHOWN ON ARCHITECTURAL ELEVATIONS
3. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
4. REFER TO SHEET A9.31 FOR FINISH ABBREVIATIONS & DETAILS.
5. MECHANICAL REGISTERS IN WALLS PAINTED OTHER THAN PE1, SHALL BE FACTORY FINISHED TO MATCH ADJACENT WALL COLOR

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

INTERIOR ELEVATIONS - FIRST FLOOR

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

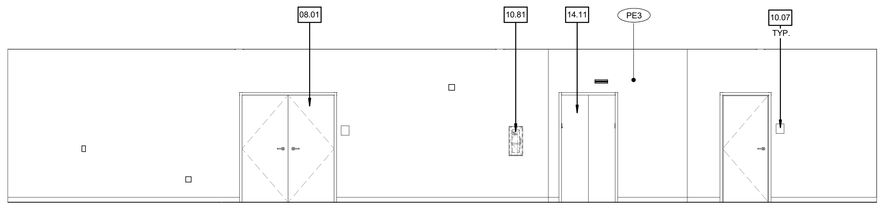
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

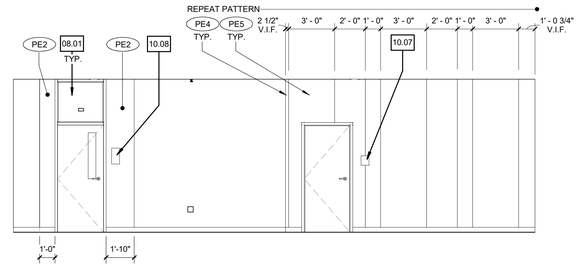
A8.11

PLEASE RECYCLE

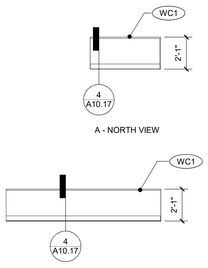
THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED ON SHEETS ORIGINAL SIZE



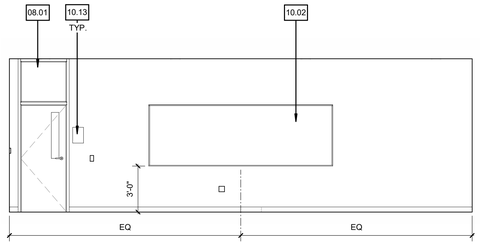
ROOM 100 - LOBBY/CIRCULATION - WEST WALL | 15
1/4" = 1'-0"



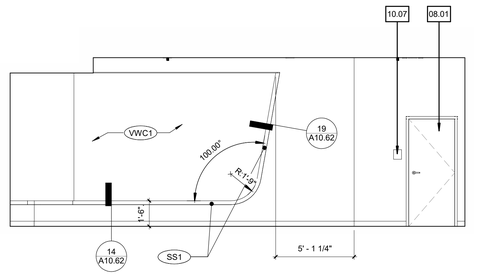
ROOM 100 - LOBBY/ CIRCULATION - EAST ELEVATION | 5
1/4" = 1'-0"



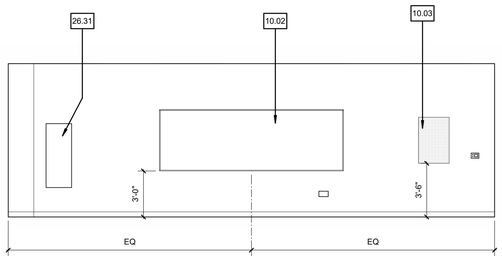
ROOM 100 - LOBBY/CIRCULATION - EAST PLANTER ELEAVTIONS | 24
1/4" = 1'-0"



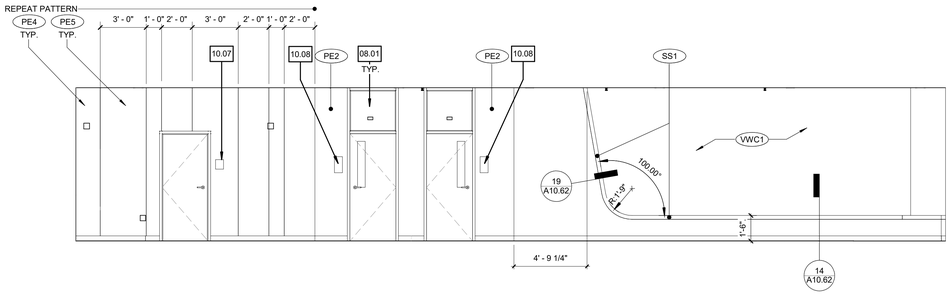
ROOM 108 - TYPICAL CLASSROOM - WEST ELEVATION | 14
1/4" = 1'-0"



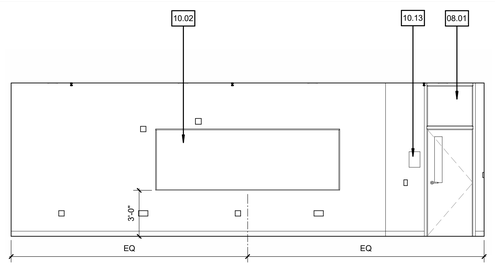
ROOM 100 - LOBBY/CIRCULATION- LOUNGE SEAT 02 | 4
1/4" = 1'-0"



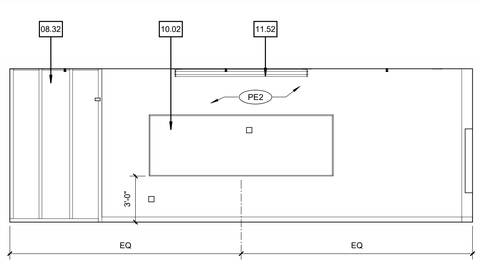
ROOM 108 - TYPICAL CLASSROOM - SOUTH ELEVATION | 18
1/4" = 1'-0"



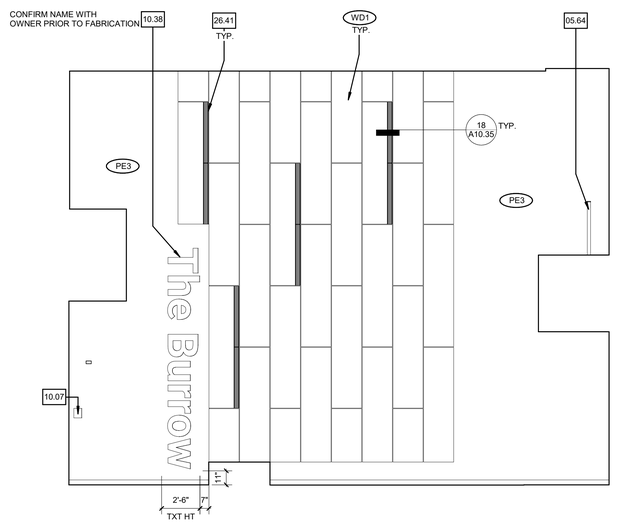
ROOM 100 - LOBBY/CIRCULATION - LOUNGE SEAT 01 | 3
1/4" = 1'-0"



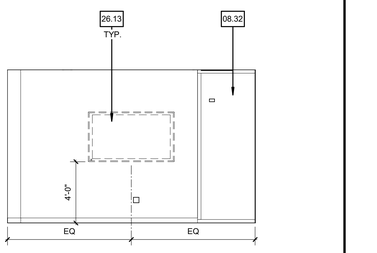
ROOM 109 - CLASSROOM - WEST ELEVATION | 17
1/4" = 1'-0"



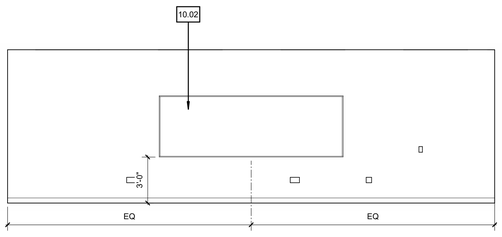
ROOM 108 - TYPICAL CLASSROOM - EAST ELEVATION | 12
1/4" = 1'-0"



ROOM 100 - LOBBY/CIRCULATION - NORTH ELEVATION | 1
1/4" = 1'-0"



ROOM 115E - AV/TV MEDIA - SOUTH ELEVATION | 21
1/4" = 1'-0"



ROOM 108 - TYPICAL CLASSROOM - NORTH ELEVATION | 11
1/4" = 1'-0"

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LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

05.64	METAL GUARD
08.01	DOOR | DOOR SCHEDULE
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
10.02	WHITE BOARD | 3/A10.91
10.03	TACK BOARD | 3/A10.91
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.08	ROOM ID SIGN - DOUBLE INSERT | 14/A10.82
10.13	ASSISTIVE LISTENING DEVICE SIGN | 7/A10.82
10.38	INDIVIDUAL FLAT CUT ALUMINUM SIGN - INTERIOR | 10/A10.81
10.81	RECESSED FIRE EXTINGUISHER CABINET | 1/A10.91
11.52	PROJECTION SCREEN (OFOI) | 23/A10.32 | REFER TO AV
14.11	ELEVATOR ENTRANCE
26.13	INSTALL BACKING PER DETAIL 1/XS0.61 FOR TV (OFOI) | ELECTRICAL
26.31	LIGHTING AND APPLIANCE PANELBOARD
26.41	LIGHT FIXTURE | ELECTRICAL

NOTES

1. LIGHT FIXTURES, AIR TERMINALS, GRILLES, ELECTRICAL FIXTURES, OUTLETS, DATA RECEPTACLES, AUDIO/VIDEO CONNECTIONS AND MEDICAL GAS FIXTURES SHOWN ARE FOR ARCHITECTURAL COORDINATION AND DIMENSIONAL CONTROL ONLY. REF: MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS.
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FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

INTERIOR ELEVATIONS - FIRST FLOOR

DSA APPROVAL

FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A8.12

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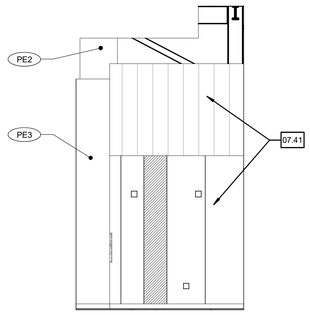
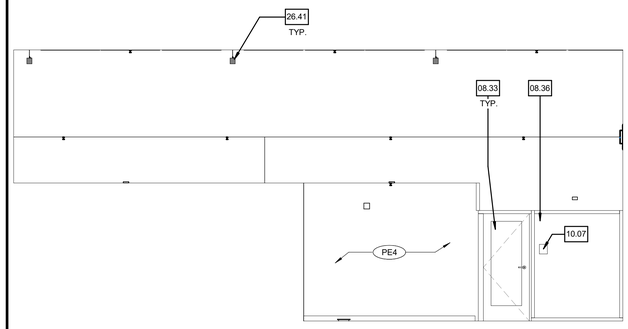


SEE 4/A8.31 FOR ADDITIONAL INSULATED METAL PANEL INFORMATION

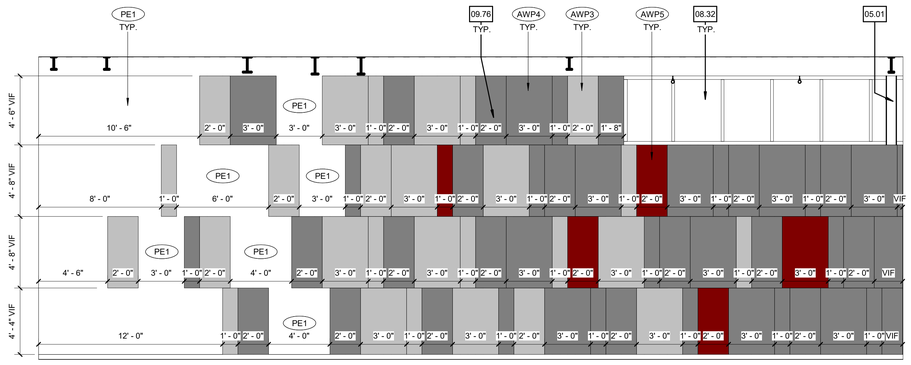
ROOM 115 - SUCCESS CENTER - EAST ELEVATION - 2

2 — 1/4" = 1'-0"



ROOM 115 - SUCCESS CENTER - EAST ELEVATION - 1

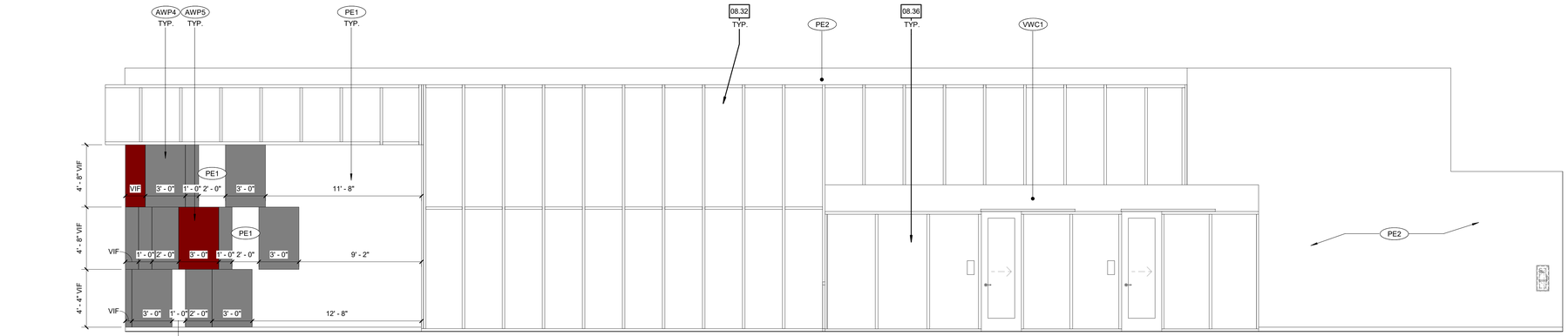
19 — 1/4" = 1'-0"



NOTE: ALIGN AWP HEIGHTS WITH HEIGHT OF EXTERIOR IMP

ROOM 115 - SUCCESS CENTER - WEST ELEVATION

4 — 1/4" = 1'-0"

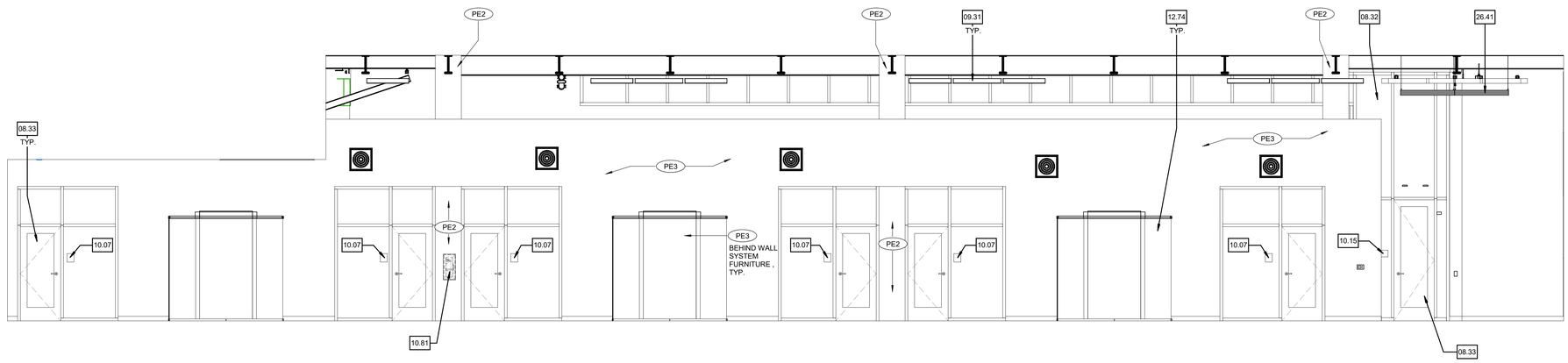


NOTE: ALIGN AWP HEIGHTS WITH HEIGHT OF EXTERIOR IMP

PE1

ROOM 115 - SUCCESS CENTER - NORTH ELEVATION

3 — 1/4" = 1'-0"



ROOM 115 - SUCCESS CENTER - SOUTH ELEVATION

1 — 1/4" = 1'-0"

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KENNETH SALTER
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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

05.01	STRUCTURAL STEEL COLUMN | STRUCTURAL
07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
08.33	ALUMINUM DOOR | DOOR SCHEDULE
08.36	DEMOUNTABLE PARTITION | WINDOW SCHEDULE
09.31	ACOUSTIC CEILING
09.76	ACOUSTICAL WALL PANEL
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.15	TACTILE "EXIT" SIGN | 1B/A10.82
10.81	RECESSED FIRE EXTINGUISHER CABINET | 1/A10.91
12.74	WALL SYSTEMS FURNITURE | 12/A10.91
26.41	LIGHT FIXTURE | ELECTRICAL

NOTES

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2. NOT ALL FIXTURES MAY BE SHOWN ON ARCHITECTURAL ELEVATIONS
3. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
4. REFER TO SHEET A9.31 FOR FINISH ABBREVIATIONS & DETAILS.
5. MECHANICAL REGISTERS IN WALLS PAINTED OTHER THAN PE1, SHALL BE FACTORY FINISHED TO MATCH ADJACENT WALL COLOR

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

INTERIOR ELEVATIONS - FIRST FLOOR

DSA APPROVAL

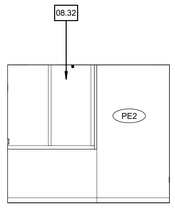
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

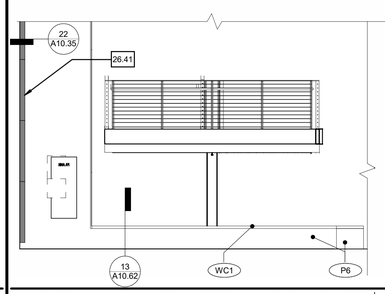
SHEET:

A8.13

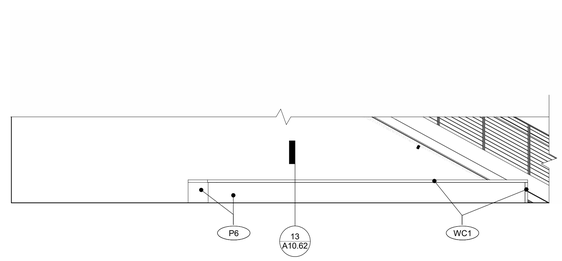
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL SHEETS. IF NOT, ADJUST SCALE ACCORDINGLY



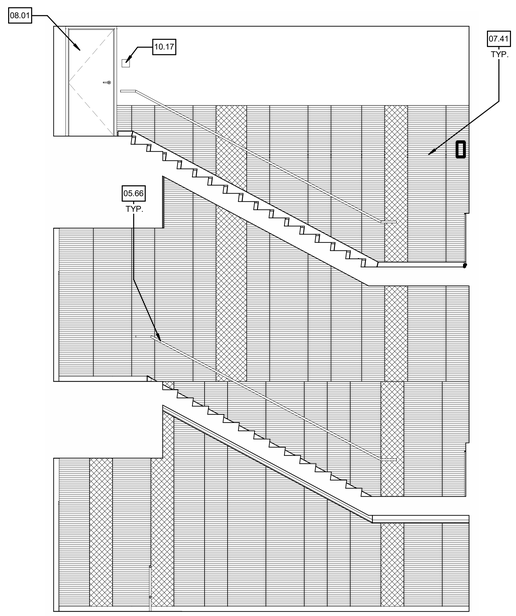
ROOM 115R - STAFF OFFICE - NORTH ELEVATION **20** 1/4" = 1'-0"



ROOM 100 - LOBBY/CIRCULATION - EAST BENCH ELEVATION **15** 1/4" = 1'-0"

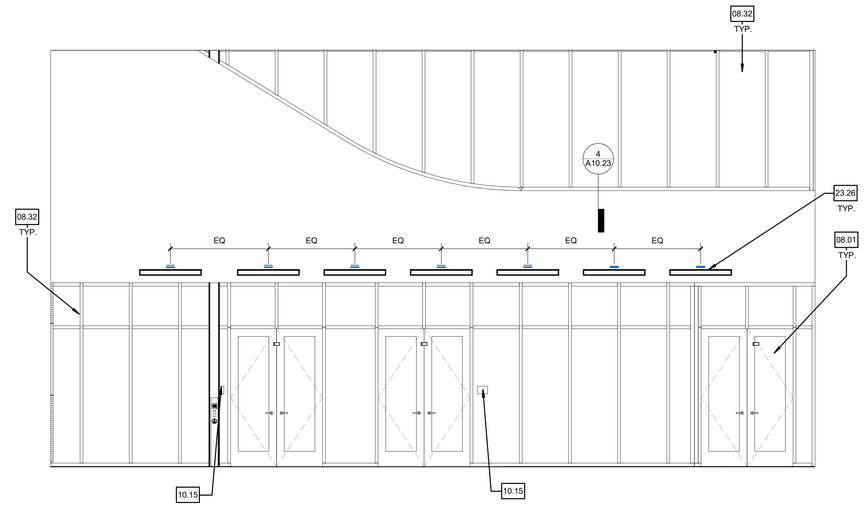


ROOM 100 - LOBBY/CIRCULATION - NORTH EAST BENCH ELEVATION **5** 1/4" = 1'-0"

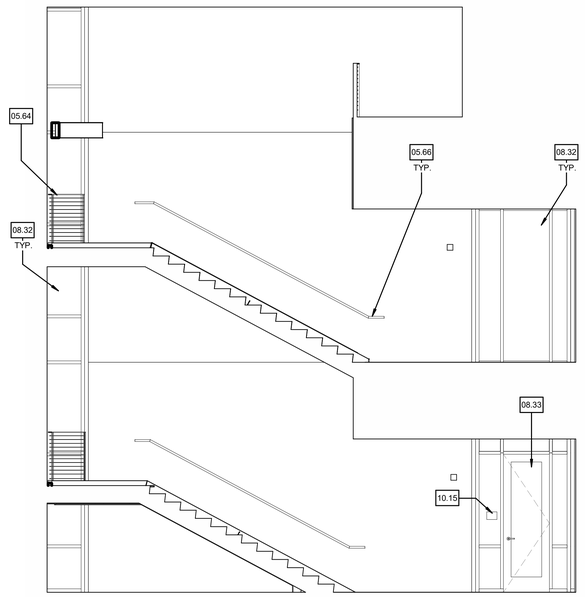


SEE 13 / A8.31 FOR ADDITIONAL INSULATED METAL PANEL INFORMATION

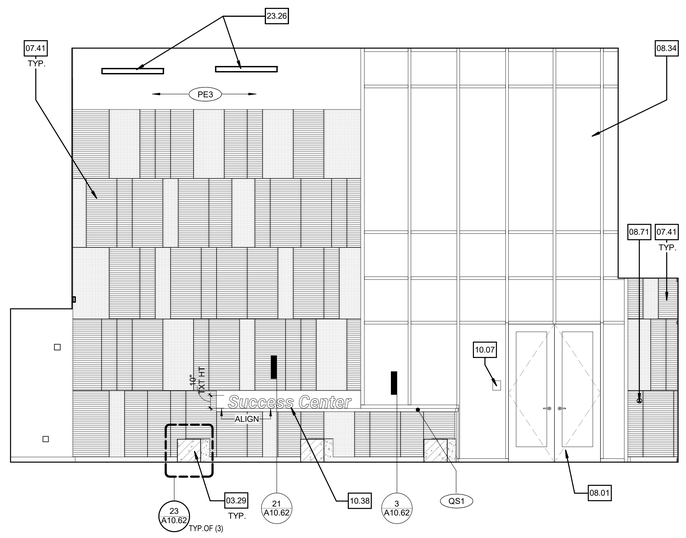
ROOM 128 - STAIR #2 - NORTH ELEVATION **18** 1/4" = 1'-0"



ROOM 100 - LOBBY/CIRCLATION - WEST ELEVATION **3** 1/4" = 1'-0"

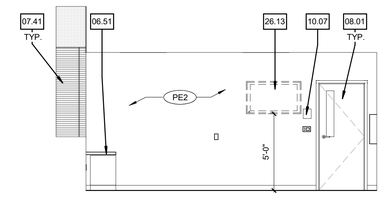


ROOM 128 - STAIR #2 - SOUTH ELEVATION **16** 1/4" = 1'-0"



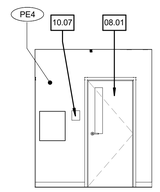
SEE 6 / A8.31 & 3 / A8.31 FOR ADDITIONAL INSULATED METAL PANEL INFORMATION

ROOM 100 - LOBBY CIRCULATION - SOUTH ELEVATION **6** 1/4" = 1'-0"



SEE 1 / A8.31 FOR ADDITIONAL INSULATED METAL PANEL INFORMATION

ROOM 115A - INTAKE/WORKSTATION - EAST ELEVATION **2** 1/4" = 1'-0"



ROOM 115A - INTAKE/WORKSTATION - SOUTH ELEVATION **1** 1/4" = 1'-0"

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Chaffey College

HMC Architects

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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.29	CAST-IN-PLACE CONCRETE BENCH | DETAIL, 23/A10.62
05.64	METAL GUARD
05.66	METAL HANDRAIL
06.51	COUNTER WITH 4"H BACKSPLASH AND LOWER CASEWORK
07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
08.01	DOOR | DOOR SCHEDULE
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
08.33	ALUMINUM DOOR | DOOR SCHEDULE
08.34	GLAZED ALUMINUM CURTAIN WALL
08.71	ADA PUSH PLATE | HARDWARE SCHEDULE
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.15	TACTILE "EXIT" SIGN | 1B/A10.82
10.17	TACTILE "TO EXIT" SIGN | 1/A10.82
10.38	INDIVIDUAL FLAT CUT ALUMINUM SIGN - INTERIOR | 10/A10.81
23.26	MECHANICAL REGISTERS | MECHANICAL
26.13	INSTALL BACKING PER DETAIL 1/XS0.61 FOR TV (OFOI) | ELECTRICAL
26.41	LIGHT FIXTURE | ELECTRICAL

LEGENDS

INSULATED METAL PANEL - REFER TO TYP. ASSEMBLY DETAIL 1 / A10.15

XX# MATERIAL FINISH TAG - REFER TO MATERIAL FINISH SCHEDULE AND SPECIFICATIONS

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO SHEET A8.31 FOR ADDITIONAL INFORMATION ON INSULATED METAL PANEL SIZES & COLORS.

FACILITY:

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PROJECT:

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SHEET NAME:

INTERIOR ELEVATIONS - FIRST FLOOR

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

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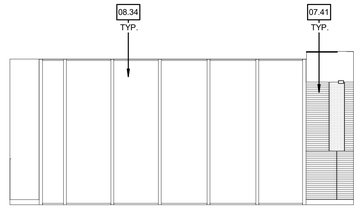
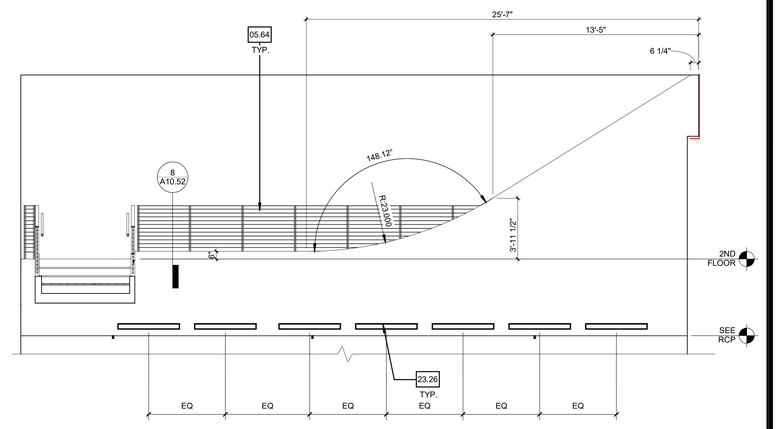
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL PAPER SIZE

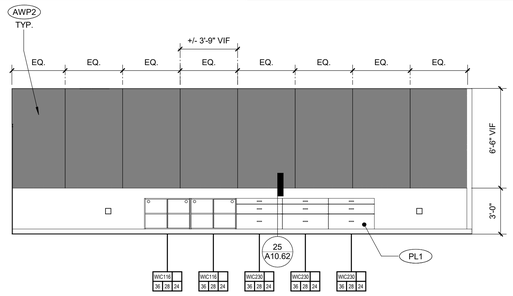


SEE 17 / A8.31 FOR ADDITIONAL INSULATED METAL PANEL INFORMATION.

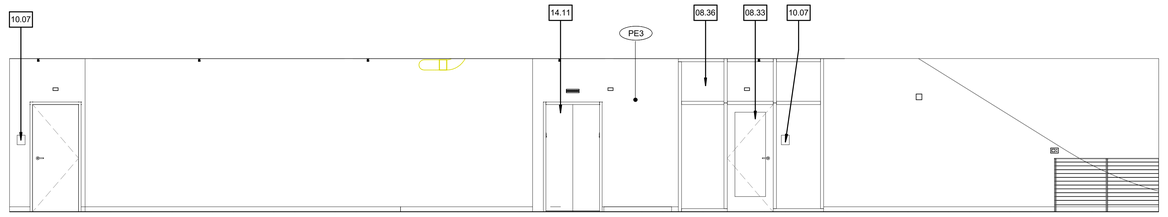
ROOM 214N - LARGE CONFERENCE ROOM - NORTH ELEVATION | 19
1/4" = 1'-0"



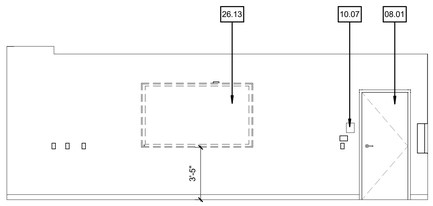
ROOM 100 - LOBBY/CIRCULATION - EAST ELEVATION @ SECOND FLOOR | 4
1/4" = 1'-0"



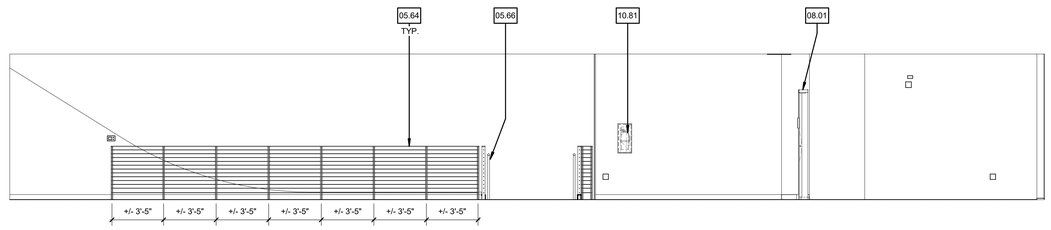
ROOM 214N - LARGE CONFERENCE ROOM - WEST ELEVATION | 18
1/4" = 1'-0"



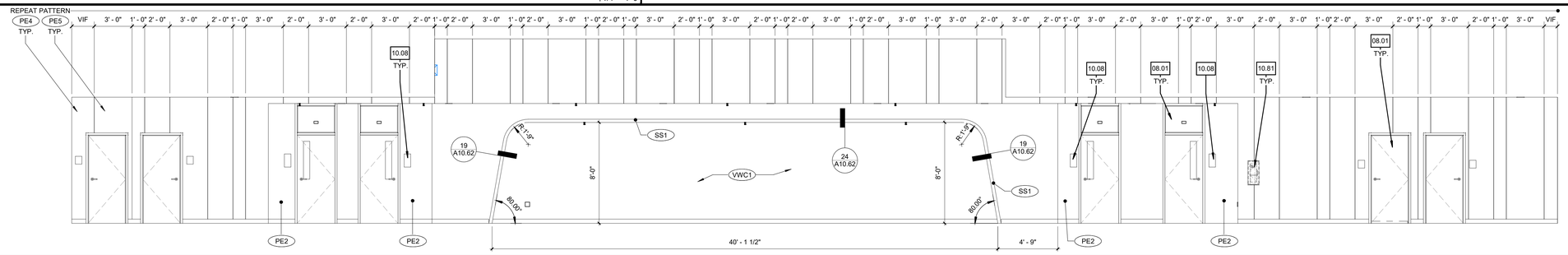
ROOM 201 - CIRCULATION - WEST ELEVATION B | 3
1/4" = 1'-0"



ROOM 214N - LARGE CONFERENCE ROOM - SOUTH ELEVATION | 17
1/4" = 1'-0"



ROOM 201 - CIRCULATION - WEST ELEVATION A | 2
1/4" = 1'-0"



ROOM 201 - CIRCULATION - EAST ELEVATION | 1
NTS

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KEYNOTES

05.64	METAL GUARD
05.66	METAL HANDRAIL
07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
08.01	DOOR | DOOR SCHEDULE
08.33	ALUMINUM DOOR | DOOR SCHEDULE
08.34	GLAZED ALUMINUM CURTAIN WALL
08.36	DEMOUNTABLE PARTITION | WINDOW SCHEDULE
10.07	ROOM ID SIGN - SINGLE INSERT | 15/A10.82
10.08	ROOM ID SIGN - DOUBLE INSERT | 14/A10.82
10.81	RECESSED FIRE EXTINGUISHER CABINET | 1/A10.91
14.11	ELEVATOR ENTRANCE
23.26	MECHANICAL REGISTERS | MECHANICAL
26.13	INSTALL BACKING PER DETAIL 1/XS0.61 FOR TV (OFOI) | ELECTRICAL

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SHEET NAME:

INTERIOR ELEVATIONS - SECOND FLOOR

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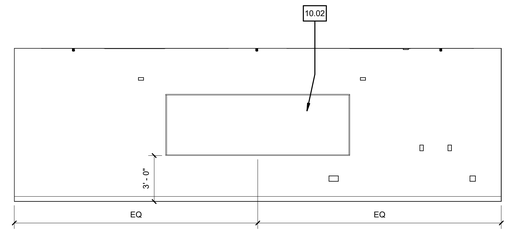
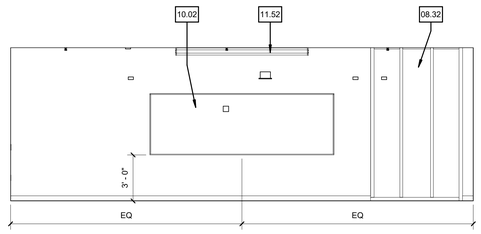
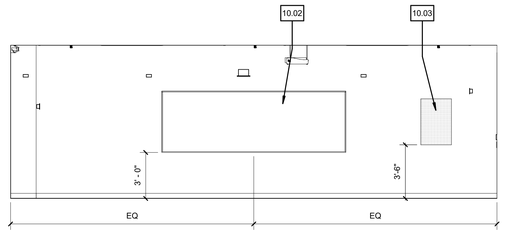


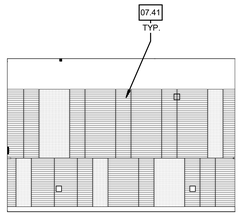
ROOM 208 - TYPICAL CLASSROOM - NORTH ELEVATION **5** 1/4" = 1'-0"



ROOM 208 - TYPICAL CLASSROOM - EAST ELEVATION **4** 1/4" = 1'-0"

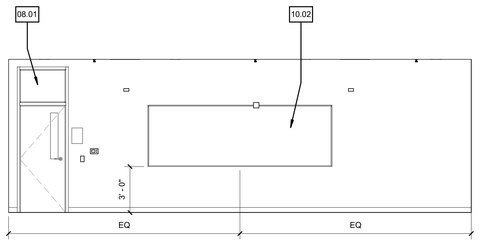


ROOM 208 - TYPICAL CLASSROOM - SOUTH ELEVATION **3** 1/4" = 1'-0"

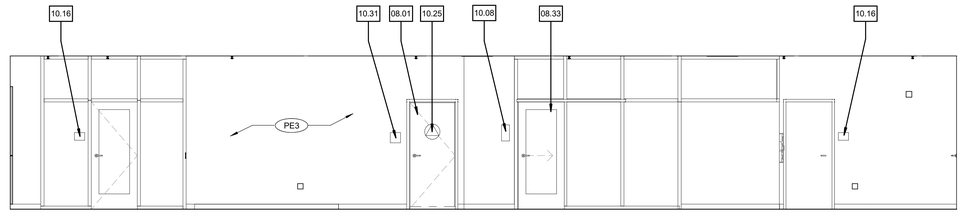


SEE 17/A8.31 FOR ADDITIONAL INSULATED METAL PANEL INFORMATION.

ROOM 214P - WAITING - NORTH ELEVATION **12** 1/4" = 1'-0"



ROOM 208 - TYPICAL CLASSROOM - WEST ELEVATION **2** 1/4" = 1'-0"



ROOM 214 - OFFICE CIRCULATION - EAST ELEVATION **1** 1/4" = 1'-0"

PLEASE RECYCLE

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STATE OF CALIFORNIA

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Δ	DESCRIPTION	DATE

KEYNOTES

07.41	INSULATED METAL WALL PANELS | 1/A10.15, 3/A10.15
08.01	DOOR | DOOR SCHEDULE
08.32	EXT STOREFRONT/ CURTAINWALL | WINDOW SCHEDULE
08.33	ALUMINUM DOOR | DOOR SCHEDULE
10.02	WHITE BOARD | 3/A10.91
10.03	TACK BOARD | 3/A10.91
10.08	ROOM ID SIGN - DOUBLE INSERT | 14/A10.82
10.16	TACTILE "EXIT ROUTE" SIGN | 1/A10.82
10.25	PIN-MOUNTED METAL SIGNAGE
10.31	UNISEX RESTROOM ID SIGNAGE | 5/A10.82
11.52	PROJECTION SCREEN (OFOI) | 23/A10.32 | REFER TO AV

NOTES

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PROJECT:

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SHEET NAME:

INTERIOR ELEVATIONS - SECOND FLOOR

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A8.22

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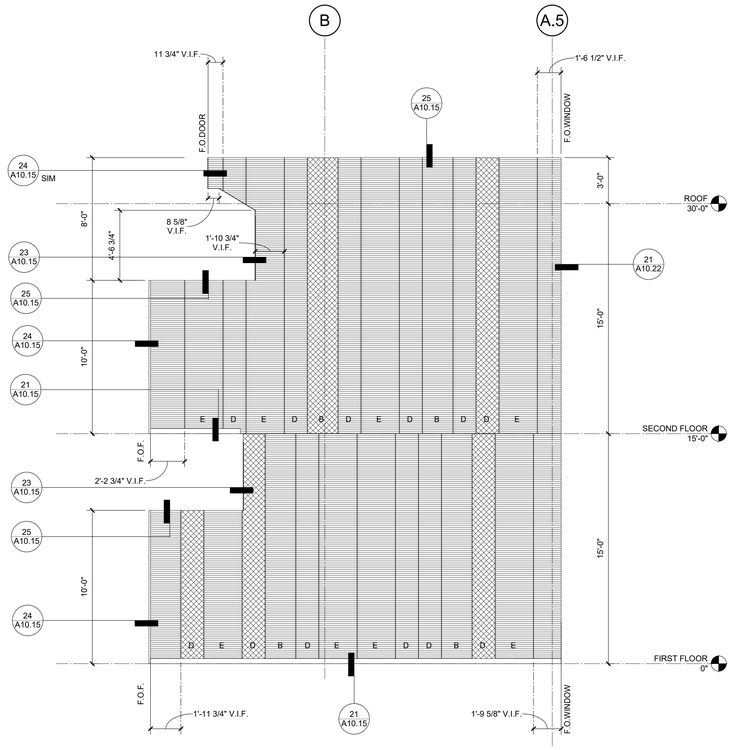
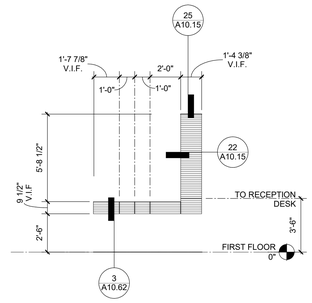
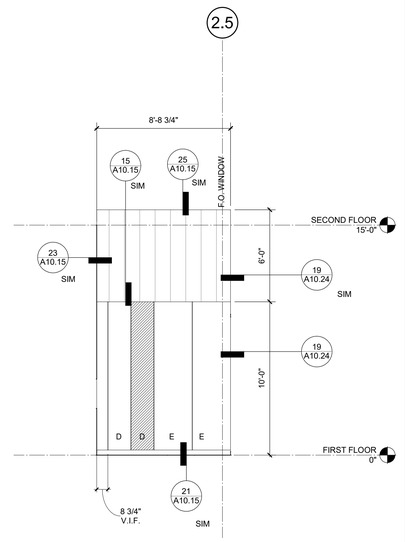


INSULATED METAL PANELS - STAIR 2 NORTH | 13 | 1/4" = 1'-0"

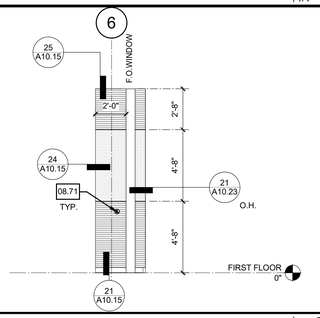


SEE 1 A8.31 FOR FOR ADDITIONAL INFORMATION

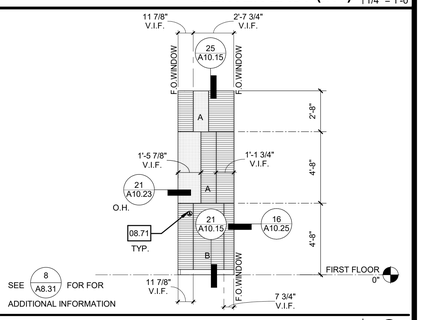
INSULATED METAL PANELS - INTAKE WORKSTATION NORTH WALL | 9 | 1/4" = 1'-0"



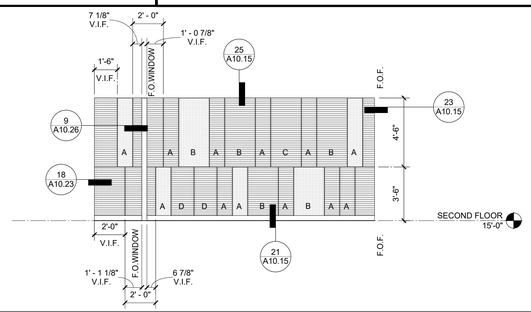
INSULATED METAL PANELS - SUCCESS CENTER EAST (INT) | 4 | 1/4" = 1'-0"



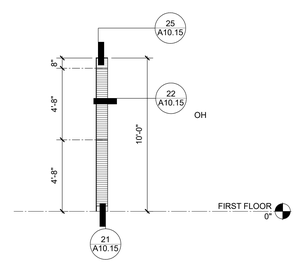
INSULATED METAL PANELS - LOBBY ENTRY WALL 2 | 8 | 1/4" = 1'-0"



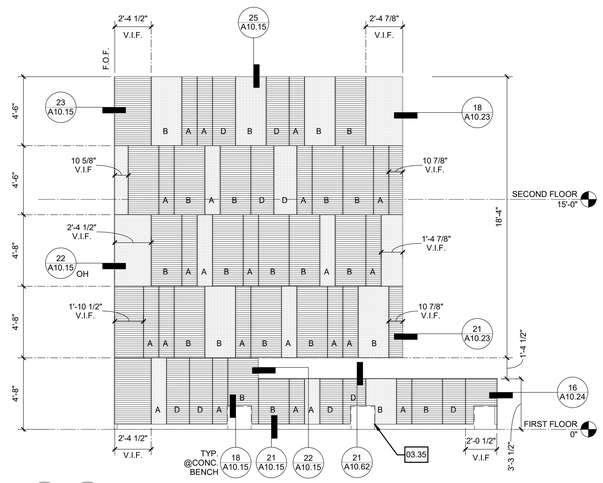
INSULATED METAL PANELS - LOBBY ENTRY WALL 1 | 3 | 1/4" = 1'-0"



INSULATED METAL PANELS - CONF/WAITING NORTH WALL | 17 | 1/4" = 1'-0"

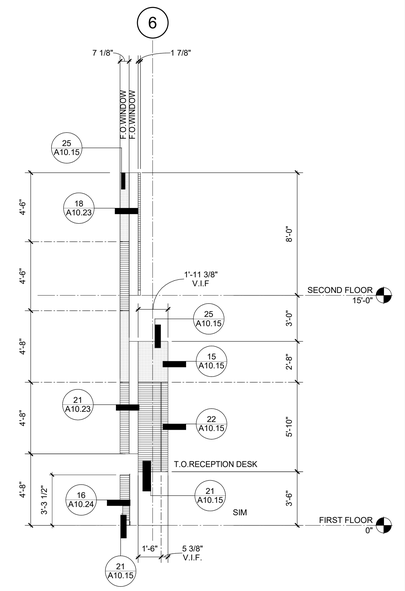


INSULATED METAL PANELS - LOBBY SOUTH WALL 3 | 16 | 1/4" = 1'-0"



SEE 1 A8.31 & 16 A8.31 FOR ADDITIONAL INFORMATION

INSULATED METAL PANELS - LOBBY SOUTH WALL 2 | 6 | 1/4" = 1'-0"



INSULATED METAL PANELS - LOBBY SOUTH WALL 1 | 1 | 1/4" = 1'-0"

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ONTARIO, CA 91764
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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

03.35 ANGLED CONCRETE CURB, | DETAIL, 6/ A10.14
08.71 ADA PUSH PLATE | HARDWARE SCHEDULE

LEGENDS

PANEL TYPES

IMP1 IMP2 IMP3 IMP4 IMP5 IMP6 IMP7

HORIZONTAL SPACING, U.N.O.

A = 1' - 0" WIDE
B = 2' - 0" WIDE
C = 3' - 0" WIDE
D = 1' - 6" WIDE
E = 2' - 6" WIDE
F = 3' - 6" WIDE

IMP4: 1' - 0" WIDE, TYPICAL

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. CONTRACTOR TO VERIFY INSULATED METAL PANEL SIZES AT END AND CORNER CONDITIONS
3. REFER TO STRUCTURAL EXTERIOR STUD ELEVATIONS FOR LOCATION OF DRIFT JOINT AND VERTICAL JOINT WHERE OCCURS.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

INTERIOR INSULATED METAL PANEL ELEVATIONS

DSA APPROVAL

FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

A8.31

IF THE LINE SHOWN ABOVE IS NOT 1" LONG, THIS SHEET IS ORIGINAL SIZE ARCH E

GENERAL NOTES

1. THE PURPOSE OF THIS SHEET IS TO DESCRIBE AND ILLUSTRATE DOOR TYPES. NOT ALL DOOR TYPES SHOWN ARE NECESSARILY USED. SEE DOOR SCHEDULE FOR DOOR TYPES USED.

2. FIRE DOORS, FIRE WINDOWS AND FIRE DAMPERS SHALL HAVE AN APPROVED LABEL OR LISTING MARK, INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY ARE DONE.

3. GLASS:
   A. INTERIOR DOORS:
      1. NON-RATED DOORS SHALL HAVE 1/4" CLEAR TEMPERED GLASS MIN, UNO.
      2. ALL RATED DOORS SHALL HAVE 1/4" CLEAR FIRE RATED GLASS MIN, UNO.
   B. MAXIMUM GLASS IN FIRE RATED DOORS:
      1. 20 MINUTE DOORS: 1296 SQUARE INCHES MAXIMUM.
      2. 60 MINUTE DOORS: 100 SQUARE INCHES MAXIMUM.
      3. 90 MINUTE DOORS: 100 SQUARE INCHES MAXIMUM PER LITE.

4. GLAZING IN THE FOLLOWING LISTED AREAS SHALL BE DEEMED TO BE LOCATED IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT, AND AS SUCH SHALL BE REQUIRED TO BE COMPOSED OF SAFETY GLAZING:
   A. INGRESS AND EGRESS DOORS.
   B. FIXED PANELS IN SWINGING DOORS.
   C. GLAZING IN FIXED PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR ON A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
   D. GLAZING IN INDIVIDUAL FIXED PANELS WHERE:
      1. THE EXPOSED AREA OF THE INDIVIDUAL PANE EXCEEDS 9 SQUARE FEET.
      2. THE EXPOSED BOTTOM EDGE IS LESS THAN 18 INCHES ABOVE THE FLOOR.
      3. THE EXPOSED TOP EDGE IS GREATER THAN 36 INCHES ABOVE THE FLOOR.
      4. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF THE GLAZING.

5. EACH LIGHT OF THE GLAZING SHALL BEAR THE MANUFACTURER'S LABEL DESIGNATING THE TYPE AND THICKNESS OF GLASS. WHEN APPROVED BY THE AGENCY, LABELS MAY BE OMITTED FROM OTHER THAN SAFETY GLAZING MATERIALS, PROVIDED AN AFFIDAVIT IS FURNISHED BY THE GLAZING CONTRACTOR CERTIFYING THAT EACH LIGHT IS GLAZED IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. IDENTIFICATION OF GLAZING IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT SHALL BE ETCHED OR CERAMIC FIRED ON THE GLASS AND READABLE FROM THE INSIDE OF THE BUILDING AFTER INSTALLATIONS.

6. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

7. PANIC HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF UBC STANDARD 10-4. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 36 INCHES NOR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF TRAVEL.

8. DOOR ASSEMBLIES, APPROACHES AND FINISH HARDWARE SHALL BE IN COMPLIANCE WITH DISABLED ACCESS CONSTRUCTION STANDARDS.

9. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:
   A. EXTERIOR DOORS = 5.0 POUNDS
   B. INTERIOR DOORS = 5.0 POUNDS
   C. FIRE DOORS = 15.0 POUNDS

10. DOOR OPENING LOCATIONS:
    A. IMMEDIATELY 6" FROM F.O.S. ADJACENT TO A FLANKING WALL U.N.O.
    B. DOOR OPENINGS IN OTHER LOCATIONS ARE LOCATED BY DIMENSIONS.

11. SEE SPECIFICATIONS FOR HARDWARE SCHEDULE

12. ALL DOOR FRAMES ARE WELDED FRAMES, UNLESS NOTED OTHERWISE
    FRAME DEPTH TO BE DETERMINED BY OVERALL WALL THICKNESS

13. FINISH FLOOR TRANSITIONS OCCUR AT CENTERLINE OF DOORS, UNLESS NOTED OTHERWISE

14. ALL INTERIOR DOORS WITH FIRE-RATINGS GREATER THAN 20 MINUTE SHALL HAVE A NONCOMBUSTIBLE SILL WITH AN UNDERCUT OF 3/8" MAXIMUM ABOVE THE SILL.

15. MIN. 32" CLEAR WIDTH: AT LEAST ONE ACTIVE LEAF TO MEET 32" CLEAR WIDTH.

16. THE BOTTOM 10 INCHES OF ALL DOORS AND GATES TO HAVE SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION (CBC. 11B-404.2.1.0).

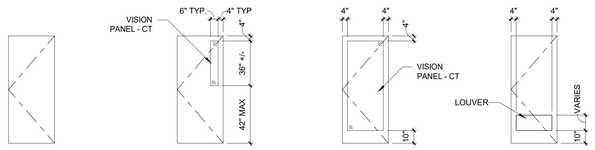
17. DOOR THRESHOLD NOT TO EXCEED 1/2" WITH BEVELED SLOPE NOT MORE THAN 2:1 FOR THE UPPER 1/4" (CBC. 11B-303.3).

18. EACH LIGHT OF SAFETY GLAZING MATERIAL IN HAZARDOUS LOCATIONS AS DEFINED IN SECTION 2406 OF CHAPTER 24, "GLASS AND GLAZING," SHALL BE IDENTIFIED BY A LABEL WHICH WILL SPECIFY THE LABELER, WHETHER THE MANUFACTURER OR INSTALLER, AND STATE THAT SAFETY GLAZING MATERIAL HAS BEEN UTILIZED IN SUCH INSTALLATIONS. THE LABEL SHALL BE LEGIBLE AND VISIBLE FROM THE INSIDE OF THE BUILDING AFTER INSTALLATION AND SHALL SPECIFY THAT THE LABEL SHALL NOT BE REMOVED.

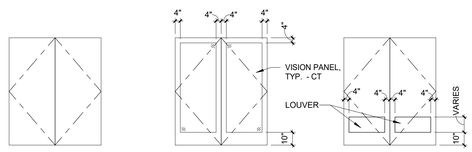
19. EACH PANE SHALL BEAR THE MANUFACTURER'S MARK DESIGNATING THE TYPE AND THICKNESS OF THE GLASS OR GLAZING MATERIAL. SAFETY GLAZING SHALL BE IDENTIFIED IN ACCORDANCE WITH CBC SECTION 2406.3. EACH PANE OF TEMPERED GLASS, EXCEPT TEMPERED SPANDREL GLASS, SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER. THE IDENTIFICATION MARK SHALL BE ACID ETCHED, SAND BLASTED, CERAMIC FIRED, LASER ETCHED, EMBOSSED OR OF A TYPE THAT, ONCE APPLIED CANNOT BE REMOVED WITHOUT BEING DESTROYED. TEMPERED SPANDREL GLASS SHALL BE PROVIDED WITH A REMOVABLE PAPER MARKING BY THE MANUFACTURER.

DOOR TYPE LEGEND

PNL-F- XX-
- DOOR PANEL TYPE - SEE BELOW
- DOOR PANEL MATERIAL /FINISH - SEE LEGEND



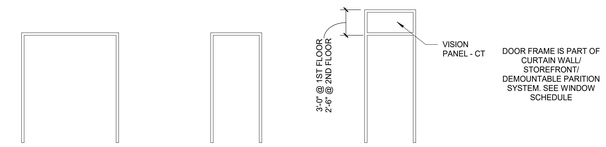
PNL-F PNL-N PNL-FG PNL-L



PNL-F PNL-FG PNL-L

DOOR FRAME LEGEND

FRM-##XX-
- DOOR FRAME TYPE - SEE BELOW
- DOOR FRAME MATERIAL / FINISH - SEE LEGEND



FRM-00HM FRM-00HM FRM-10HM FRM-00AL

FRM-50AL

DOOR SCHEDULE

DOOR NUMBER	SIZE WIDTH PANEL 1	SIZE WIDTH PANEL 2	SIZE HEIGHT	DOOR TYPE	FRAME TYPE	FIRE RATING (MINUTES)	HARDWARE GROUP	PANIC HARDWARE	UNDERCUT	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	COMMENTS
FIRST FLOOR													
100-A	3'-0"		9'-0"	PNL-FG-AL	FRM-00AL	0	13	Yes	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL & AUTOMATIC DOOR OPERATORS
100-B	3'-0"		9'-0"	PNL-FG-AL	FRM-00AL	0	14	Yes	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL
100-C	3'-0"		9'-0"	PNL-FG-AL	FRM-00AL	0	01	Yes	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL
100-D	3'-0"	3'-0"	9'-0"	PNL-FG-AL	FRM-00AL	0	13B	No	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL
100-E	3'-0"		9'-0"	PNL-FG-AL	FRM-00AL	0	01	Yes	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL
100A-A	3'-0"		7'-0"	PNL-F-HM	FRM-00HM	0	04B	No	0"	4/A10.21	4/A10.21	7/A10.21	
101-A	3'-0"	3'-0"	9'-0"	PNL-FG-AL	FRM-00AL	0	15	No	0"	13/A10.22	7/A10.22	7/A10.21	ACCESS CONTROL, ADG-1
101-B	3'-0"	3'-0"	9'-0"	PNL-FG-AL	FRM-00AL	0	14	Yes	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL
101-C	3'-0"	3'-0"	9'-0"	PNL-FG-AL	FRM-00AL	0	14	Yes	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL
101A-A	3'-0"	3'-0"	7'-0"	PNL-F-HM	FRM-00HM	0	16	No	0"	4/A10.21	4/A10.21	7/A10.21	
101B-A	3'-0"		7'-0"	PNL-F-HM	FRM-00HM	0	04	No	0"	4/A10.21	4/A10.21	7/A10.21	
102-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	11	No	3/4"	5/A10.21	5/A10.21	7/A10.21	
103-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	12	No	0"	5/A10.21	5/A10.21	7/A10.21	AUTOMATIC DOOR OPERATORS
104-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	12	No	0"	5/A10.21	5/A10.21	7/A10.21	AUTOMATIC DOOR OPERATORS
105-A	3'-0"		7'-0"	PNL-F-HM	FRM-00HM	0	03	No	0"	3/A10.21	3/A10.21	1/A10.21	
106-A	4'-0"		7'-0"	PNL-F-HM	FRM-00HM	0	03A	No	0"	3/A10.21	3/A10.21	1/A10.21	
107-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	04	No	0"	4/A10.21	4/A10.21	7/A10.21	
108-A	3'-0"		7'-0"	PNL-N-WD	FRM-10HM	0	08	No	0"	2/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL, ADG-1
109-A	3'-0"		7'-0"	PNL-N-WD	FRM-10HM	0	08	No	0"	2/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL, ADG-1
111-A	3'-0"		7'-0"	PNL-N-WD	FRM-10HM	0	08	No	0"	2/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL, ADG-1
112-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	04	No	0"	4/A10.21	4/A10.21	7/A10.21	
113-A	3'-0"	3'-0"	7'-0"	PNL-F-WD	FRM-00HM	0	16	No	0"	4/A10.21	4/A10.21	7/A10.21	
114-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	45	10	No	0"	4/A10.21	4/A10.21	6/A10.21	
115-A	3'-0"	3'-0"	9'-0"	PNL-FG-AL	FRM-00AL	0	13A	No	0"	13/A10.22	7/A10.22	7/A10.21	ACCESS CONTROL, AUTOMATIC DOOR OPERATORS, ADG-1
115-B	3'-0"		9'-0"	PNL-FG-AL	FRM-00AL	0	02	Yes	0"	13/A10.22	7/A10.22	1/A10.21	ACCESS CONTROL
115B-A	3'-0"		7'-0"	PNL-N-WD	FRM-00HM	0	06A	No	0"	4/A10.21	4/A10.21	7/A10.21	ADG-1
115C-A	3'-0"		7'-0"	PNL-N-WD	FRM-00HM	0	04A	No	0"	4/A10.21	4/A10.21	7/A10.21	ADG-1
115D-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	17	No	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
115E-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	17	No	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
115G-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	17	No	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
115H-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	17	No	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
115K-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	17	No	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
115L-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	17	No	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
115N-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	17	No	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
115Q-A	3'-0"		9'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
115R-A	3'-0"		9'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	

DOOR SCHEDULE

DOOR NUMBER	SIZE WIDTH PANEL 1	SIZE WIDTH PANEL 2	SIZE HEIGHT	DOOR TYPE	FRAME TYPE	FIRE RATING (MINUTES)	HARDWARE GROUP	PANIC HARDWARE	UNDERCUT	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	COMMENTS
SECOND FLOOR													
202-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	11	No	3/4"	5/A10.21	5/A10.21	7/A10.21	
203-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	12	No	0"	5/A10.21	5/A10.21	7/A10.21	AUTOMATIC DOOR OPERATORS
204-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	12	No	0"	5/A10.21	5/A10.21	7/A10.21	AUTOMATIC DOOR OPERATORS
205-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	11A	No	0"	5/A10.21	5/A10.21	7/A10.21	ADG-1
206-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	45	10	No	0"	4/A10.21	4/A10.21	6/A10.21	
207-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	04	No	0"	4/A10.21	4/A10.21	7/A10.21	
208-A	3'-0"		7'-0"	PNL-N-WD	FRM-10HM	0	08	No	0"	4/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL, ADG-1
209-A	3'-0"		7'-0"	PNL-N-WD	FRM-10HM	0	08	No	0"	2/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL, ADG-1
210-A	3'-0"		7'-0"	PNL-N-WD	FRM-10HM	0	08	No	0"	2/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL, ADG-1
211-A	3'-0"		7'-0"	PNL-N-WD	FRM-10HM	0	08	No	0"	2/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL, ADG-1
212-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	04	No	0"	4/A10.21	4/A10.21	7/A10.21	
213-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	04	No	0"	4/A10.21	4/A10.21	7/A10.21	
214-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	18	Yes	0"	17/A10.26	19/A10.26	16/A10.26	ACCESS CONTROL
214-B	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	09	Yes	0"	4/A10.21	4/A10.21	7/A10.21	ACCESS CONTROL
214A-A	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	11	No	3/4"	5/A10.21	5/A10.21	7/A10.21	
214B-A	3'-0"		7'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	17/A10.26	19/A10.26	11/A10.26	
214C-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214D-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214E-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214F-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214G-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214H-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214J-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214K-A	3'-0"		10'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	13/A10.26	14/A10.26	11/A10.26	
214L-A	3'-0"		7'-0"	PNL-FG-WD	FRM-50AL	0	20	No	0"	17/A10.26	19/A10.26	11/A10.26	
214M-A	3'-0"		7'-0"	PNL-N-WD	FRM-00HM	0	07	No	0"	4/A10.21	4/A10.21	7/A10.21	
214M-B	3'-0"		7'-0"	PNL-F-WD	FRM-00HM	0	06	No	0"	4/A10.21	4/A10.21	7/A10.21	ADG-1
214N-A	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	19	Yes	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1
214N-B	3'-0"		7'-0"	PNL-FG-WD	FRM-00AL	0	19	Yes	0"	17/A10.26	19/A10.26	16/A10.26	ADG-1

DOOR SCHEDULE

DOOR NUMBER	SIZE WIDTH PANEL 1	SIZE WIDTH PANEL 2	SIZE HEIGHT	DOOR TYPE	FRAME TYPE	FIRE RATING (MINUTES)	HARDWARE GROUP	PANIC HARDWARE	UNDERCUT	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	COMMENTS
ROOF													
300-A	3'-0"		7'-0"	PNL-F-HM	FRM-00HM	0	03	No	0"	3/A10.21	3/A10.21	1/A10.21 SIM.	

GATE SCHEDULE

NUMBER	SIZE WIDTH PANEL 1	SIZE WIDTH PANEL 2	SIZE HEIGHT	DOOR MATERIAL	FIRE RATING (MINUTES)	HARDWARE GROUP	PANIC HARDWARE	COMMENTS
G-001	7'-0"	7'-0"	8'-0"	SEE ELEVATION, 3/A7.61	0	21	No	

DOOR MATERIAL/FINISH LEGEND

A	ALARM CONTACT
AL	ALUMINUM
ADG-1	ACOUSTIC DOOR GASKET
AO	AUTOMATIC DOOR OPERATOR
CA	CLEAR ANODIZED
CL	COMBO LOCK
CR	CARD READER
CT	CLEAR TEMPERED GLAZING
CW	CURTAIN WALL
DE	DOUBLE EGRESS
EB	"PUSH TO EXIT" EMERGENCY BUTTON
EL	ELECTRICAL LOCK
ET	ENTRY TELEPHONE
FF	FACTORY FINISHED
FRG	FIRE RATED GLASS
FRG/	FIRE RATED GLASS & FRAMING
GL	GLASS
HB	HELP BUTTON
HM	HOLLOW METAL
IC	INTERCOM
IG	INSULATING GLASS
IP	INFILL PANEL
KD	KNOCK DOWN FRAME
LA	LOCAL ALARM
M	MONITOR
MG	MIRROR GLASS
MHO	MAGNETIC HOLD OPEN
NR	NOT RATED
PB	PANIC BAR
PL	PRIVACY LOCK
PL#	PLASTIC LAMINATE
PP	PUSH PLATE (# OF PLATES)
PT	PAINT (FACTORY FINISH ALL WOOD DOORS TYPICAL, FIELD PAINT H.M. DOOR AND FRAME
REX	REQUEST TO EXIT MOTION SENSOR
RF	RF COPPER SHIELDED NON-FERROUS SYSTEM
S	STAIN GRADE WOOD VENEER
SC	SOLID CORE
SG	SAFETY GLASS
SHD	SHIELDED DOOR FRAME / GLASS. LEAD REQUIREMENTS TO MATCH ADJACENT WALL U.O.N.
SPG	SPANDREL GLASS
STL	STEEL
SM	SMOKE BARRIER SEAL (NON-RATED DOOR W/ TIGHT FITTING SMOKE GASKET)
UC	UNDERCUT
VP	VISION PANEL
WF	WELDED STEEL FRAME
WG	WIRE GLASS
WD	WOOD
WS	WAVE SENSOR

PLEASE RECYCLE

9/3/2021 8:58:47 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

1. FOR DOORS INDICATED WITH "ADG-1" SEE ACOUSTIC DOOR GASKET SPECIFICATIONS (08 71 00) FOR ADDITIONAL REQUIREMENTS IN ADDITION TO ANY REQUIREMENTS OUTLINED IN THE DOOR HARDWARE GROUP.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

DOOR SCHEDULE

DSA APPROVAL

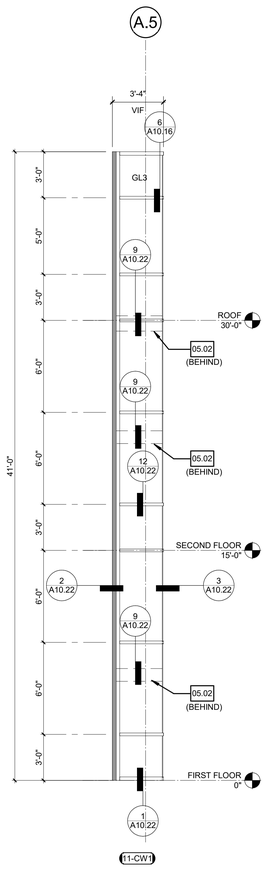
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

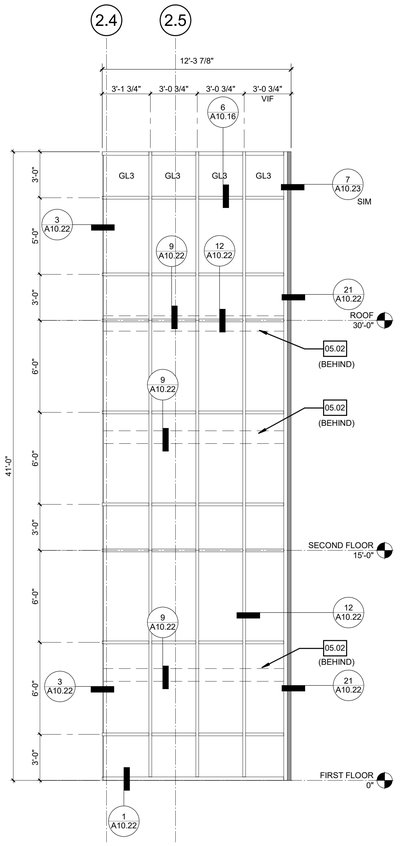
SHEET:

A9.11

THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED ON 24x36 SHEETS (ORIGINAL SHEET SIZE)



11-CW1



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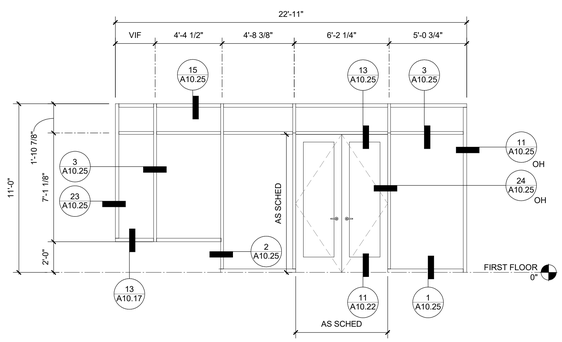

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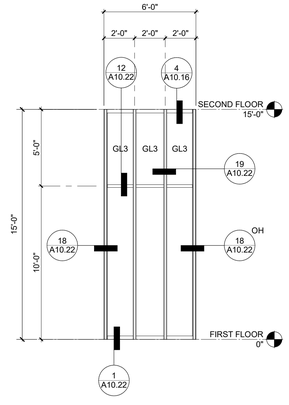

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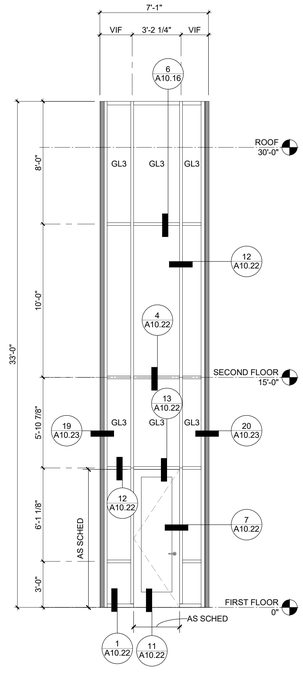

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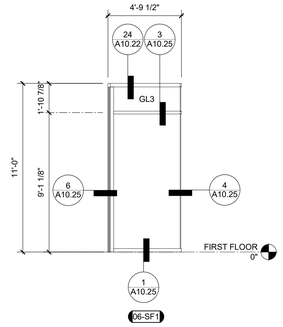

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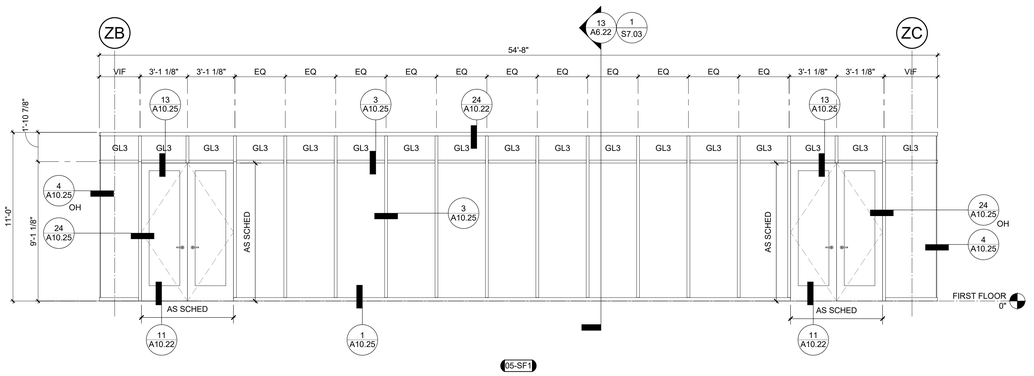

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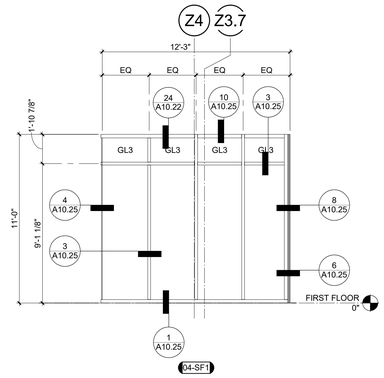
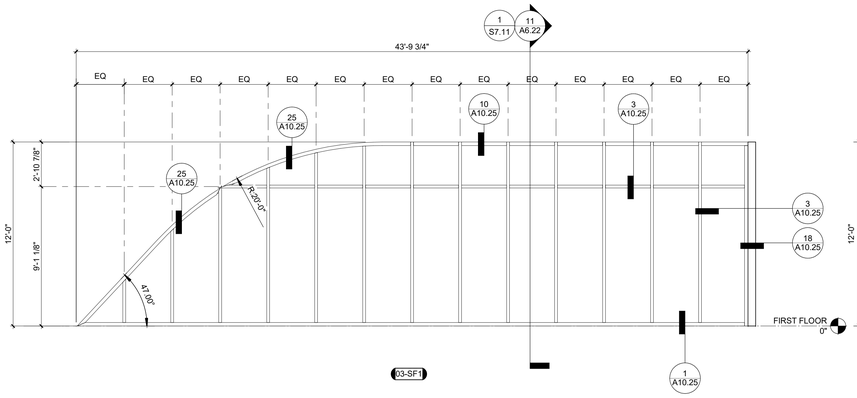


04-SF1



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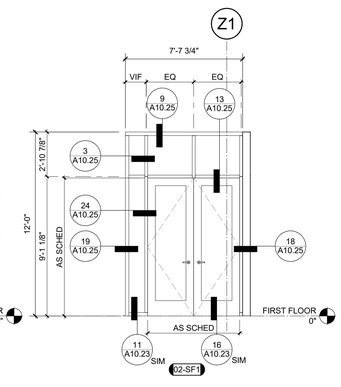

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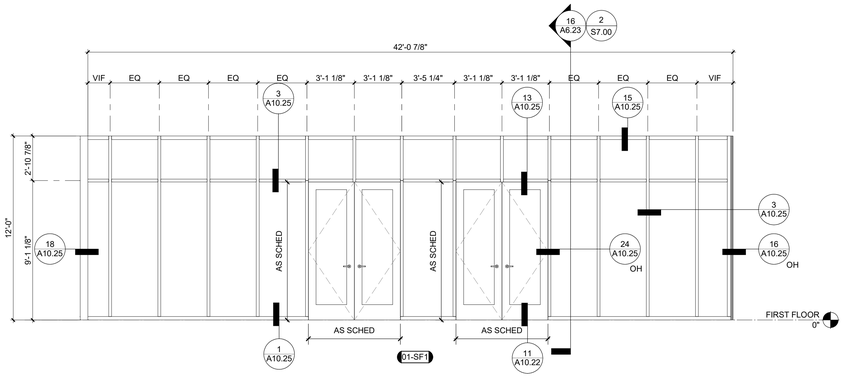

01-SF1

AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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HMC Architects

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LICENSED ARCHITECT
KENNETH SALTER
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REN. 11-30-21
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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

05.02 STRUCTURAL STEEL BEAM | STRUCTURAL

LEGENDS

CW# - CURTAINWALL
SF# - STOREFRONT
#DP - DEMOUNTABLE PARTITIONS

NOTES

1. REFER TO SHEET G0.01 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.
2. REFER TO SPECIFICATIONS FOR WINDOW TYPES, GLAZING PANEL TYPES, AND WHERE TEMPERED GLAZING IS REQUIRED.
3. GLAZING PANELS AT CW & SF ARE TO BE TYPE GL1, UNO
4. GLAZING PANELS AT DP ARE TO BE TYPE GL5, UNO
5. REFER TO 17 / A10.24 FOR SHADOW BOX DETAILS

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WINDOW SCHEDULE

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

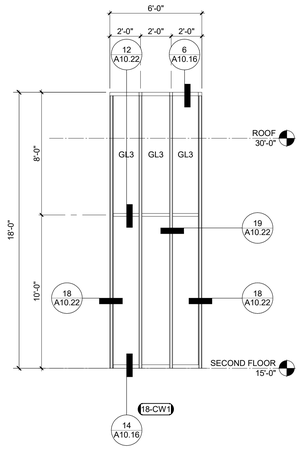
SHEET:

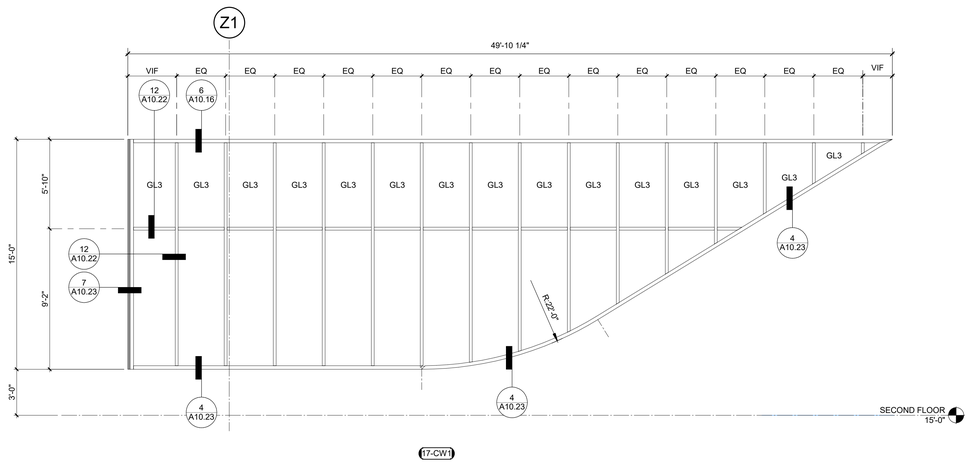
A9.21

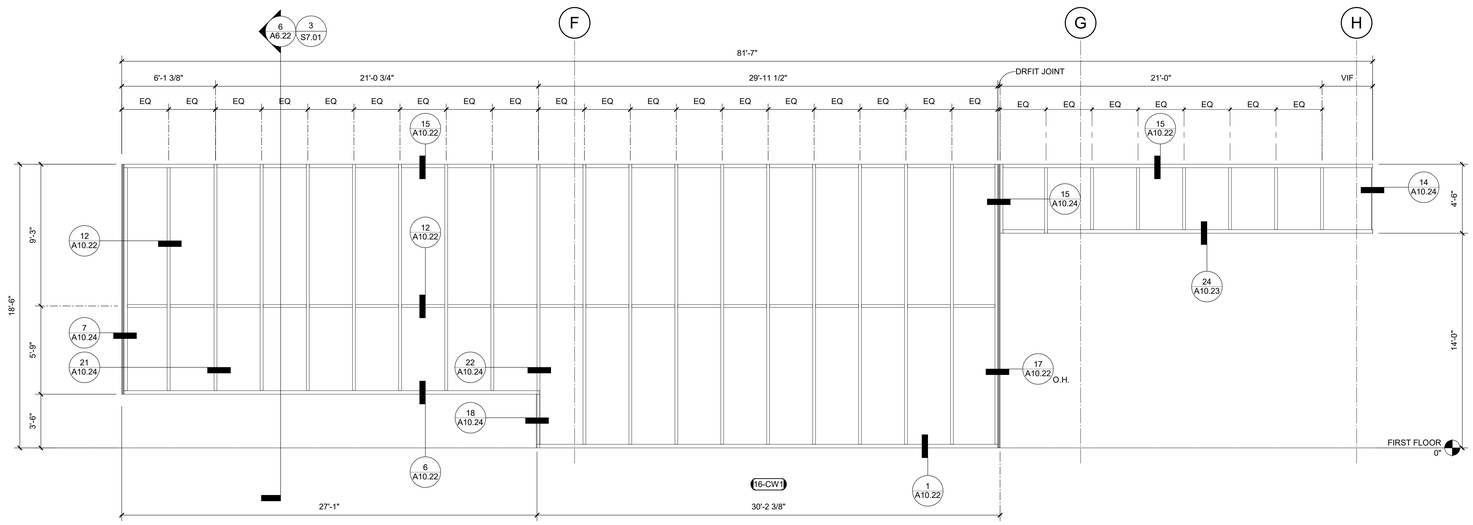
8/5/2021 8:59:01 AM

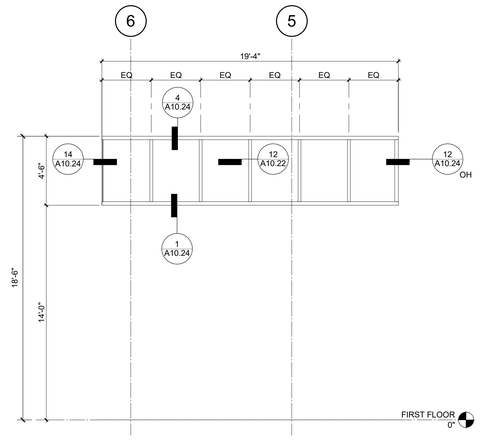
PLEASE RECYCLE

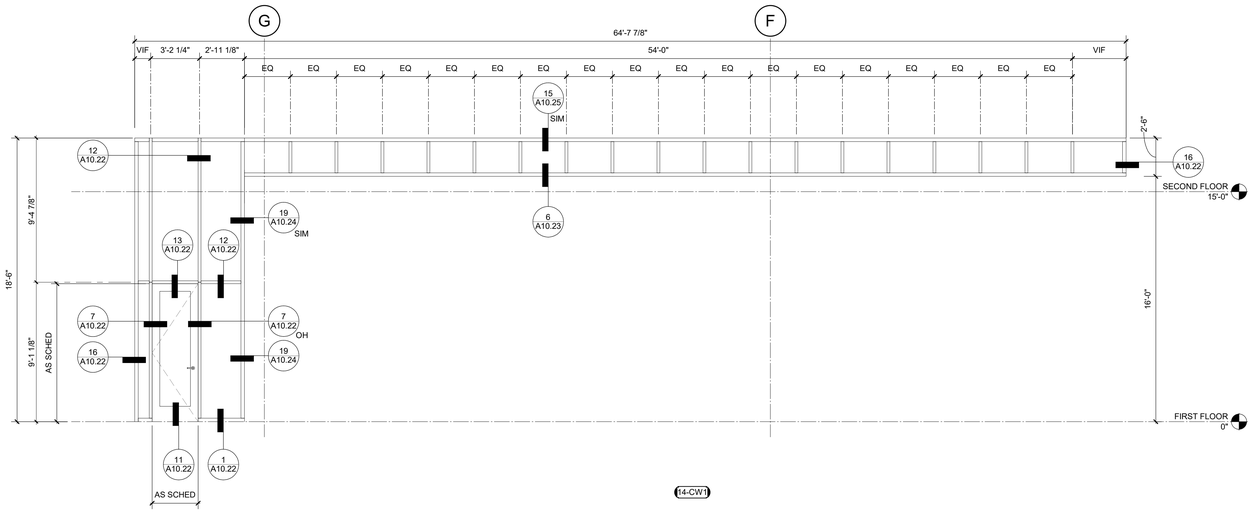
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, SHEET IS ORIGINAL SPACE SIZE

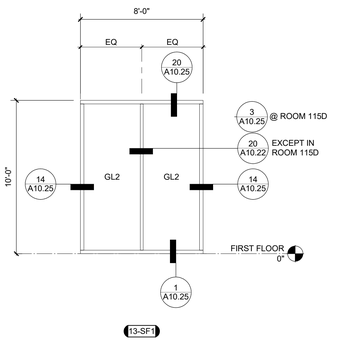


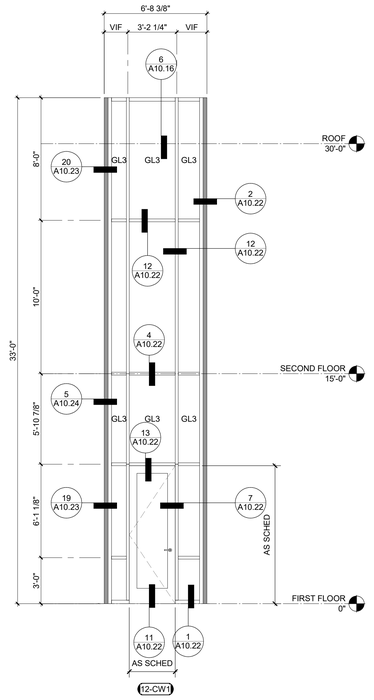












8/5/2021 8:39:12 AM

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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WINDOW SCHEDULE

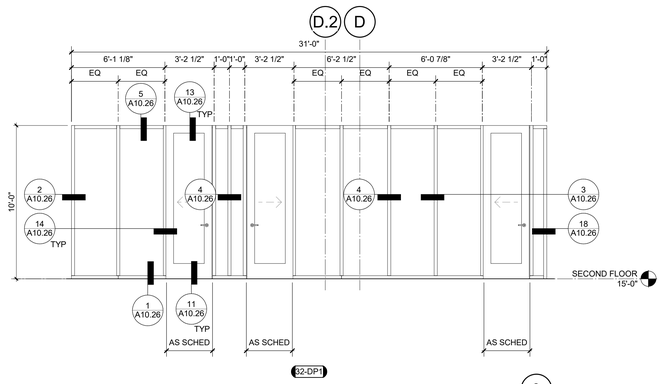
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

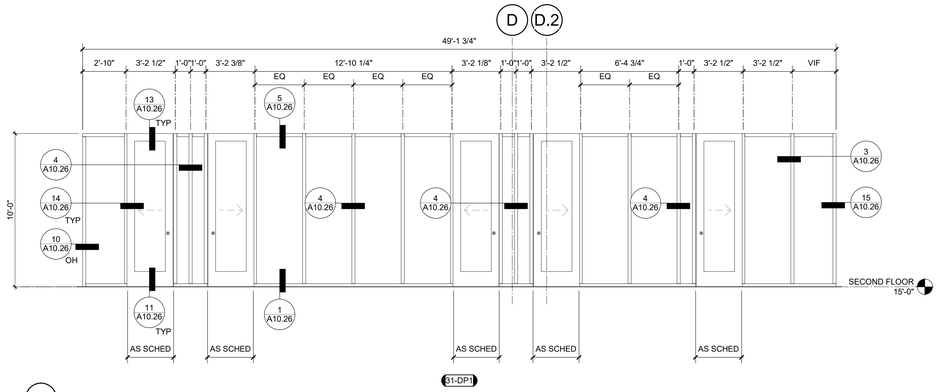
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A9.22



32-DP1



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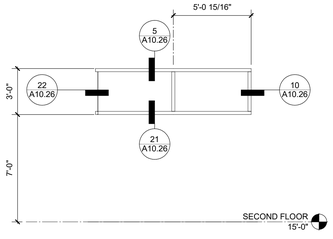
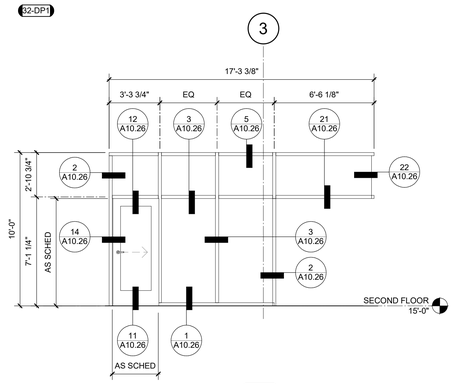


30-DP1



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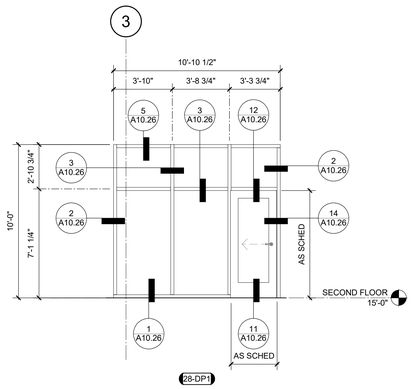
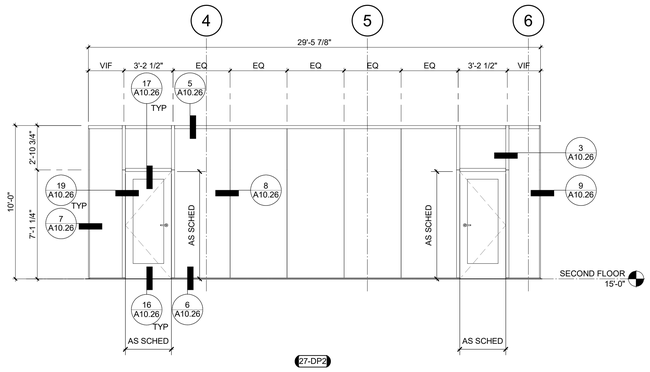


28-DP1



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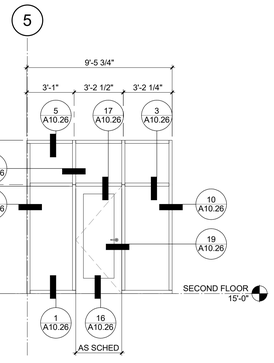

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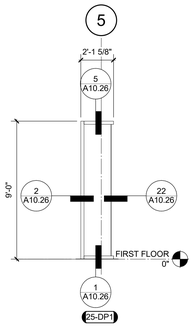
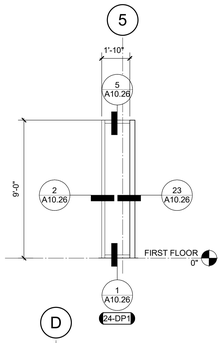


25-DP1



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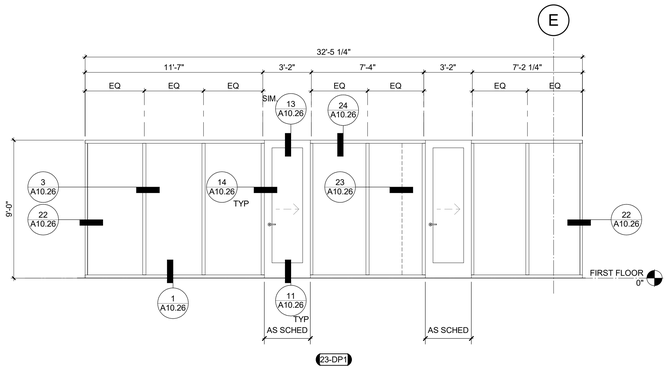

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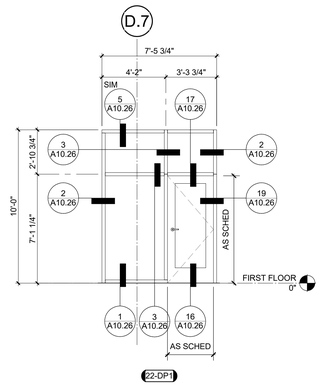

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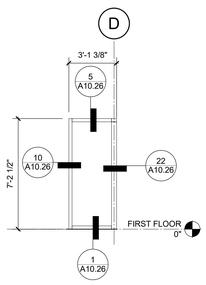
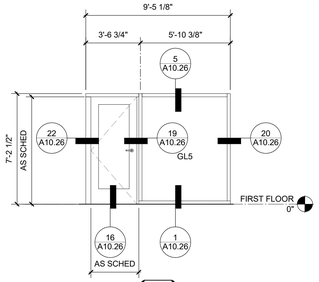
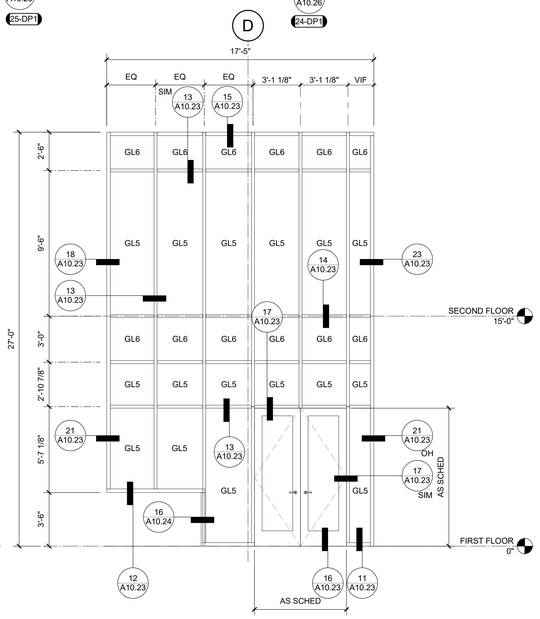


21-DP1*



21-DP1



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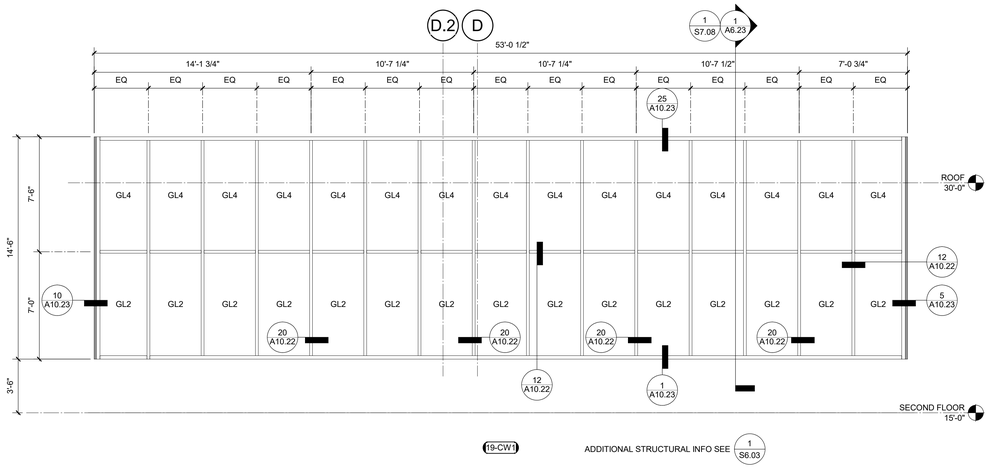

19-CW1

ADDITIONAL STRUCTURAL INFO SEE 1 S6.03

8/5/2021 8:59:26 AM

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SHEET NAME:

WINDOW SCHEDULE

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

A9.23

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL SHEET SIZE

1.01 SCHEDULE OF CONCRETE FINISHES

A. 03 30 00 – Cast-in-place Concrete
1. *Cast-in-Place Concrete*
a. Colors
1. Cement: natural.
2. Sand: natural.
3. Pigment: none.
b. Finish: Smooth formed surface.

B. 03 35 35 – Concrete Sealer
1. **CF1** - Concrete Floor: Sealed
a. Manufacturer: Refer to Arch. Spec.
b. Style: Smooth
c. Color: Clear
d. Finish: Clear Sealed

1.02 SCHEDULE OF WOOD, PLASTIC AND COMPOSITE FINISHES

A. 06 41 13 – Wood Casework
1. **PL1** - Plastic Laminate:
a. Manufacturer: Wilsonart
b. Color: Harvest Maple 7953
c. Finish: Fine Velvet Texture 38

B. 06 42 00 – Architectural Panels
1. **WC1** – Architectural Panels:
a. Manufacturer: Smith & Fong: Plyboo
b. Style: Unfinished Bamboo Architectural Panels
c. Color: Amber Edge
d. Thickness: Three Quarter Inch (19.05mm)
e. Trim: Baseboard edge

C. 06 61 16 – Solid Polymer Fabrications
1. **SS1** - Solid Polymer:
a. Manufacturer: Dupont Corian
b. Color: Deep Cloud

D. 06 61 19 – Quartz Surfacing Fabrications
1. **QS1** - Quartz:
a. Manufacturer: Caesarstone
b. Color: Clamshell 4130
c. Finish: Polished

1.03 SCHEDULE OF THERMAL AND MOISTURE PROTECTION

A. 07 42 14 – Insulated Metal Wall Panels
REFER TO EXT ELEVATIONS FOR CALLOUTS
1. **IMP1** – Insulated Metal Wall Panel:
a. Manufacturer: Kingspan Benchmark
b. Style: Designwall 2000 - Non Embossed
c. Color: Redwood
d. Thickness: 3"
2. **IMP2** – Insulated Metal Wall Panel:
a. Manufacturer: Kingspan Benchmark
b. Style: Designwall 2000 - Embossed
c. Color: Redwood
d. Thickness: 3"
3. **IMP3** – Insulated Metal Wall Panel:
a. Manufacturer: Kingspan Benchmark
b. Style: Designwall 2000 - Non-Embossed
c. Color: Colonial Red
d. Thickness: 3"
3. **IMP4** – Insulated Metal Wall Panel:
a. Manufacturer: Kingspan Benchmark
b. Style: Designwall 2000 - Non-Embossed
c. Color: Silversmith
d. Thickness: 2"
REFER TO INT ELEVATIONS FOR CALLOUTS
1. **IMP5** – Insulated Metal Wall Panel:
a. Manufacturer: Kingspan Benchmark
b. Style: Designwall 1000 - Non Embossed
c. Color: Redwood
d. Thickness: 1"
2. **IMP6** – Insulated Metal Wall Panel:
a. Manufacturer: Kingspan Benchmark
b. Style: Designwall 1000 - Embossed
c. Color: Redwood
d. Thickness: 1"
3. **IMP7** – Insulated Metal Wall Panel:
a. Manufacturer: Kingspan Benchmark
b. Style: Designwall 1000 - Non-Embossed
c. Color: Colonial Red
d. Thickness: 1"

B. 07 46 21 – Equipment Screens
1. **EQS1** – Equipment Screen:
a. Manufacturer: Morin
b. Product: Matrix Panel, MX 1.0
c. Material: Aluminum
d. Thickness: 0.04 in
e. Perforations: None
f. Finish: 1.0 MIL PVDF (Kaynar 500)
g. Color: Chromium Gray
h. Location: Substation Screen and Gate
2. **EQS2** – Equipment Screen:
a. Manufacturer: Morin
b. Product: Matrix Panel, MX 1.0
c. Material: Aluminum
d. Thickness: 0.04 in
e. Perforations: 3/8" diameter hole, 9/16" spacing
f. Hole type: Round
g. Open Area: 40%
f. Finish: 1.0 MIL PVDF (Kaynar 500)
g. Color: Chromium Gray
h. Location: Rooftop Mechanical Equipment Screen

1.04 SCHEDULE OF OPENING FINISHES

A. 08 12 13 – Hollow Metal Frames - Welded
1. Exterior Frames
a. Finish: Semi-Gloss
b. Color: Paint to match adjacent wall U.N.O. in door schedule
c. Location: Refer to Door Schedule
2. Interior Frames
a. Finish: Semi-Gloss
b. Color: Paint to match adjacent wall U.N.O. in door schedule
c. Location: Refer to Door Schedule

B. 08 13 13 – Hollow Metal Doors
1. Exterior Doors
a. Finish: Semi-Gloss
b. Color: Paint to match adjacent wall U.N.O. in door schedule
c. Location: Refer to Door Schedule
2. Interior Doors
a. Finish: Semi-Gloss
b. Color: Paint to match adjacent wall U.N.O. in door schedule
c. Location: Refer to Door Schedule

C. 08 14 16 – Flush Wood Doors
1. **FWD1** - Wood:
a. Species: Natural Maple
b. Cut: Plain Sliced
c. Stain / Finish: Clear

D. 08 84 00 – Plastic Glazing
1. **PGL1** - Plastic Glazing:
a. Manufacturer: 3Form
b. Style: Chroma
c. Installation: 1/2" long Stand Off barrels
d. Color: Paprika O22
e. Finish Front and Back: Vellum
f. Gauge: ½"
g. Snap Covers: Paprika O22
h. Note: Etched 1/8"D and 1/4"W in a linear pattern, refer to interior elevations.

1.05 SCHEDULE OF FINISHES

A. 09 24 00 – Portland Cement Plastering
1. **PLAS1** - Exterior Stucco:
a. Manufacturer: La Habra
b. Color: Crystal White X-50
c. Texture: Sand Float 20/30
2. **PLAS2** - Exterior Stucco:
a. Manufacturer: La Habra
b. Color: Thundersky P-2090
c. Texture: Sand Float 20/30

B. 09 30 13 – Ceramic Tile
1. **CTB1** - Ceramic Tile Base:
a. Manufacturer: Daltile
b. Style: Linear - Flat Top Cove Base - A34C1MOD
c. Color: Desert Gray
d. Size: 4-1/4" x 12-7/8"
e. Grout:
1. Manufacturer: Laticrete
2. Color: 60 Dusty Grey
3. Size: 1/16"
2. **CT1** - Ceramic Tile:
a. Manufacturer: Daltile
b. Style: Society
c. Color: Park Lane Gray SO47
d. Size: 12" x 24" x 3/8"
e. Finish: Matte
f. Grout:
1. Manufacturer: Laticrete
2. Color: 60 Dusty Grey
3. Size: 1/16"
3. **CT2** - Ceramic Tile:
a. Manufacturer: Daltile
b. Style: Society
c. Color: Union Smoke SO48
d. Size: 12" x 24" x 3/8"
e. Finish: Matte
f. Grout:
1. Manufacturer: Laticrete
2. Color: 60 Dusty Grey
3. Size: 1/16"
4. **CT3** - Ceramic Tile:
a. Manufacturer: Daltile
b. Collection: Color Wheel
c. Style: Linear
d. Color: Matte Chalkboard 0780
e. Size: 2" x 8" x 5/16"
f. Finish: Matte
g. Grout:
1. Manufacturer: Laticrete
2. Color: 60 Dusty Grey
3. Size: 1/16"
5. **CT4** - Ceramic Tile:
a. Manufacturer: Daltile
b. Collection: Color Wheel
c. Style: Linear
d. Color: Matte Desert Gray
e. Size: 4" x 8" x 5/16"
f. Finish: Matte
g. Grout:
1. Manufacturer: Laticrete
2. Color: 60 Dusty Grey
3. Size: 1/16"
6. **CT5** - Ceramic Tile:
a. Manufacturer: Daltile
b. Collection: Color Wheel
c. Style: Linear
d. Color: Matte Arctic White
e. Size: 4" x 12" x 5/16"
f. Finish: Matte
g. Grout:
1. Manufacturer: Laticrete
2. Color: 60 Dusty Grey
3. Size: 1/16"
7. **CT6** - Ceramic Tile:
a. Manufacturer: Daltile
b. Collection: Color Wheel
c. Style: Linear
d. Color: Matte Desert Gray
e. Size: 4" x 12" x 5/16"
f. Finish: Matte
g. Grout:
1. Manufacturer: Laticrete
2. Color: 60 Dusty Grey
3. Size: 1/16"

C. 09 51 00 – Acoustical Ceilings – Lay-In
1. **ACT1** - Acoustic Ceiling System:
a. Panel:
1. Manufacturer: Armstrong
2. Style: Ultima 1915
3. Size: 24" x 48" x ¾"
4. Edge: Beveled Tegular
5. Color: White
a. Techzone Panel:
1. Manufacturer: Armstrong
2. Style: Ultima 1423
3. Size: 6" x 48" x ¾"
4. Edge: Beveled Tegular
5. Color: White
c. Suspension System (Section 09 53 23)
1. Manufacturer: Armstrong
2. Style: 9/16" Suprafine
3. Color: Blizzard White
2. **ACT2** - Acoustic Ceiling System:
a. Panel:
1. Manufacturer: Armstrong
2. Style: Ultima 1912
3. Size: 24" x 24" x ¾"
4. Edge: Beveled Tegular
5. Color: White
b. Suspension System (Section 09 53 23)
1. Manufacturer: Armstrong
2. Style: 9/16" Suprafine
3. Color: Blizzard White

D. 09 53 15 – Acoustical Ceilings
1. **SPC1** - Acoustic Ceiling System:
a. Panel:
1. Manufacturer: Armstrong
2. Style: Soundscapes Shapes
3. Item Number: 5445WH Trapezoid
4. Size: (nominal) 48" x 48" x 7/8"
5. Color: White
b. Suspension System
1. Manufacturer: Armstrong
2. Style: Grouping Framing Kit – 5451, 5452, 5453, 5454, 5450
3. Color: Factory Finish Black

E. 09 54 26.20 – Wood Ceilings System
1. **SPC2** – Wood Grille Ceiling System:
a. Panel:
1. Manufacturer: Armstrong
2. Style: Woodworks Grille
3. Item Number: 7265BOGLC
4. Size: 12" x 96" x 2-1/4" (6 Slats)
5. Edge: Backer 15/16"
6. Finish: Grille Light Cherry
7. Infill Panel: 5823
8. Peforations: W4
9. NRC: 0.85

F. 09 54 27 – Specialty Ceiling
1. **SPC3** – Wood Panel Ceiling System:
a. Panel:
1. Manufacturer: Armstrong
2. Style: Woodworks Concealed
3. Item Number: 5985WANLC
4. Size: 24" x 96" x 3/4"
5. Edge: 15/16"
6. Finish: Natural Variations Light Cherry
7. Infill Panel: 5479
8. Perforations: W4
9. NRC: 0.85

G. 09 65 13 – Resilient Base
1. **B1** - Rubber Base:
a. Manufacturer: Tarkett
b. Style: Baseworks Thermoset Rubber (type ts)
c. Color: 28 Medium Grey
d. Height: 4"

H. 09 65 20 – Resilient Tile Flooring
1. **LVT1** - Tile Flooring:
a. Manufacturer: Interface
b. Style: Natural Woodgrains
c. Color: Cedar A00212
d. Size: 9.845" x 39.38"

I. 09 68 16 – Tile Carpeting:
1. **C1** - Carpet:
a. Manufacturer: Interface
b. Collection: Aerial
c. Style: AE312 - 1389102500
d. Color: 25% 105412 Ink/Accent & 75% 105409 Greige/Accent
e. Size: 19.69 in x 19.69 in
2. **C2** - Carpet:
a. Manufacturer: Interface
b. Collection: Aerial
c. Style: AE311 – 138830AK00
d. Color: 104672 Greige
e. Size: 9.845" x 39.38"
3. **C3** - Carpet:
a. Manufacturer: Interface
b. Collection: Aerial
c. Style: AE311 - 138830AK00
d. Color: 104673 Iron
e. Size: 9.845" x 39.38"
4. **C4** - Carpet:
a. Manufacturer: Interface
b. Collection: Aerial
c. Style: AE315 – 163230AK00
d. Color: 105811 Greige/Persimmon
e. Size: 9.845" x 39.38"
5. **C5** - Carpet:
a. Manufacturer: Interface
b. Collection: Aerial
c. Style: Neighborhood Blocks – 163250AK00
d. Color: 105303 Persimmon/Blocks
e. Size: 9.845" x 39.38"

J. 09 72 15 – Vinyl-Coated Fabric Wall Covering
1. **VWC1** - Wall Covering:
a. Manufacturer: Designtex
b. Style: 3M Di-Noc Fine Wood
c. Color: FW-237

K. 09 72 17 – Fiberglass Reinforced Plastic Panels
1. **FRP1** - Fiberglass Reinforced Panel:
a. Manufacturer: Marlite
b. Color: White S 100G
c. Finish: Smooth
d. Size: 4' x 8' x 3/32"
e. Note: Install at wainscot height of 4'H
f. Location: Refer to finish plans

L 09 74 13 – Wood Wall Covering
1. **WD1** – Wood Wall Paneling System:
a. Panel:
1. Manufacturer: Armstrong
2. Style: Woodworks Wall Panels
3. Item Number: 5818W4XNLC
4. Perforation Pattern: W4
5. Size: 24" x 96" x ¾"
6. NRC: 0.55
7. Finish: Natural Variations Light Cherry
8. Installation: D-20 Mounting, Z-Clip

M. 09 81 30 – Spray Applied Acoustical Plaster
1. **APLS1** - Acoustic Plaster System:
a. Manufacturer: Refer to Arch. Spec.
b. Finish: Smooth
c. Color: As indicated
d. NRC: 0.85

N. 09 84 13 – Acoustic Wall Panels
1. **AWP1** - Wall Panel:
a. Manufacturer: FitzFelt
b. Style: Rille1
c. Color: 331 Sahara
d. Substrate Color: 03 Dark Grey
e. Size: Refer to interior elevations
f. NRC: 0.50
g. Attachment: Manufacturer recommendation
2. **AWP2** - Wall Panel:
a. Manufacturer: FitzFelt
b. Style: Akustika 10 Wall
c. Color: 150 WeiB
d. Edge: Wrapped
e. Size: Refer to interior elevations
f. NRC: 0.60
3. **AWP3** - Wall Panel:
a. Manufacturer: FitzFelt
b. Style: Akustika 10 Wall
c. Color: 170 Asche
d. Edge: Wrapped
e. Size: Refer to interior elevations
f. NRC: 0.60
4. **AWP4** - Wall Panel:
a. Manufacturer: FitzFelt
b. Style: Akustika 10 Wall
c. Color: 175 Graphit
d. Edge: Wrapped
e. Size: Refer to interior elevations
f. NRC: 0.60
5. **AWP5** - Wall Panel:
a. Manufacturer: FitzFelt
b. Style: Akustika 10 Wall
c. Color: 180 Natur-meliert
d. Edge: Wrapped
e. Size: Refer to interior elevations
f. NRC: 0.60

O. 09 90 00 – Painting:
1. **PE1** - Interior Paint Color:
a. Manufacturer: Dunn Edwards
b. Finish: Eggshell
c. Color: Swiss Coffee DEW341
d. Note: All walls, ceilings, and soffits & Exposed Steel @ stairs to be painted PE1 unless noted otherwise.
2. **PE2** - Interior Paint Color:
a. Manufacturer: Dunn Edwards
b. Finish: Eggshell
c. Color: Castlerock DE6375
3. **PE3** - Interior Paint Color:
a. Manufacturer: Dunn Edwards
b. Finish: Eggshell
c. Color: Boat Anchor DE6377
d. Note: All open to structure ceilings (including all equipment, structure, piping, conduits, ducts, etc. on underside of deck) to be painted PE3 unless noted otherwise.
4. **PE4** - Interior Paint Color:
a. Manufacturer: Dunn Edwards
b. Finish: Eggshell
c. Color: Georgia Clay DE5181
5. **PE5** - Interior Paint Color:
a. Manufacturer: Dunn Edwards
b. Finish: Eggshell
c. Color: Arabian Red DEA155
6. **PS1** - Interior Paint Color:
a. Manufacturer: Dunn Edwards
b. Finish: Eggshell
c. Color: Swiss Coffee DEW341
d. Note: All ceilings and soffits in restrooms and showers to be painted PS1 unless noted otherwise.
7. **P6** - Interior Paint Color:
a. Manufacturer: Scuffmaster
b. Style: Ambient Design GOH 13374147
c. Color: AD10358
8. **EP2** - Exterior Paint Color
a. Manufacturer: Dunn Edwards
b. Color: to match Equipment Screen "Chromium Grey"
9. **EP3** - Exterior Paint Color
a. Manufacturer: Dunn Edwards
b. Color: to match PLAS1 "Crystal White X-50"
10. **EP4** - Exterior Paint Color
a. Manufacturer: Dunn Edwards
b. Color: to match PLAS1 "Thundersky P-2090"

1.06 SCHEDULE OF SPECIALTY FINISHES

A. 10 11 16 – Markerboards
1. **MBD1** - Markerboard:
a. Manufacturer: Claridge
b. Finish: Matte
c. Style: Series 5, Type A
d. Color: White
e. Size: 4'H x 12'W (UNO), Refer to interior elevations

B. 10 11 23 – Tackboards
1. **TS1** - Tackboard:
a. Manufacturer: Claridge
b. Style: Concept – Tackboard with Narrow 5/16" Aluminum Frame
c. Item Number: CP-0203-COR
d. Material: Claridge Cork
e. Color: Graphite
f. Size: 2' x 3'

C. 10 14 00 – Identification Signs
1. Tactile Plastic Signs
a. Manufacturer: Mohawk Sign Systems
b. Style: Refer to Arch. Spec.
c. Font:
1. Color: 225 White
2. Style: Helvetica Regular
d. Background:
1. Color: 250 Light Grey
2. Non-Tactile Plastic Signs:
a. Manufacturer: Mohawk Sign Systems
b. Style: Refer to Arch. Spec.
c. Font:
1. Color: 225 White
2. Style: Helvetica Regular
d. Background:
1. Color: 250 Light Grey

D. 10 14 23 – Signs - Restroom
1. Tactile Plastic (wall mounted) Signs
a. Manufacturer: Mohawk Sign Systems
b. Style: Refer to Arch. Spec.
d. Font:
1. Color: 225 White
2. Style: Helvetica Regular
e. Background:
1. Color: 250 Light Grey
2. Non-Tactile Plastic (door mounted) Signs
a. Manufacturer: Mohawk Sign Systems
b. Style: Refer to Arch. Spec.
d. Font:
1. Color: 225 White
2. Style: Helvetica Regular
e. Background:
1. Color: 250 Light Grey

E. 10 21 10 – Toilet Compartments:
1. **TCP1** - Toilet Compartments:
a. Manufacturer: Bobrick
b. Style: SierraSeries
c. Mounting: Floor to Ceiling
d. Color: SC04 Forest Green
2. **TCP2** – Urinal Screens:
a. Manufacturer: Bobrick
b. Style: SierraSeries
c. Mounting: Floor to Ceiling
d. Color: SC04 Forest Green

F. 10 22 19 – Demountable Partitions:
1. **DP1** - Demountable Paritions:
a. Manufacturer: Haworth
b. Style: Enclose
c. Color: Smoke RT-E
d. Doors: Light Maple (VP-LM)
2. **DP2** - Demountable Paritions:
a. Manufacturer: Haworth
b. Style: Enclose Frameless
c. Color: Smoke RT-E
d. Doors: Light Maple (VP-LM)

1.07 SCHEDULE OF FURNISHING FINISHES

A. 12 24 13 – Roller Shades
1. **WS1** - Window Treatment Type 1: Solar Shade
a. Manufacturer: MechoSystems
b. Style: Thermoveil Basket Weave 1500
c. Color: Silver Birch
d. Openness: 3%
2. **WS2** - Window Treatment Type 2: Blackout Shade
a. Manufacturer: MechoSystems
b. Style: Classic Blackout 0700
c. Color: Light Grey 0702

B. 12 59 17 - Wall Systems Furniture
1. Wall Systems Furniture
a. Manufacturer: Steelcase
b. Style: IRYS Pod
c. Color: Oak Murano IRYPODOAK
d. Dimensions: 8'-5.75" x 8'-5.75" x 8'-1.25"

1.08 SCHEDULE OF CONVEYING EQUIPMENT

A. 14 21 00 – Electric Traction Elevators - Passenger
1. Doors:
a. Manufacturer: Otis Elevator Company
b. Style: Gen2
c. Car: Satin Stainless Steel
2. Cab Front Return Wall Panels:
a. Finish: Satin Stainless Steel
3. Cab Side and Rear Wall Panels
a. Vertical Panel Finish: Laminated – Canadian Maple
b. Trims: Brushed Stainless Steel Vertical Trim Pieces
4. Ceiling
a. Style: Flush Steel Ceiling
b. Lighting: 4 LED Lights
5. Floor
a. Manufacturer: Daltile
b. Style: Society
c. Color: Union Smoke SO48
6. Base
a. Finish: Brushed Steel

END OF SECTION

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

NOTES

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
FINISH SCHEDULE

DSA APPROVAL

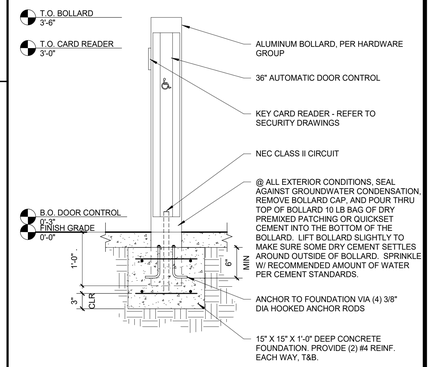
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

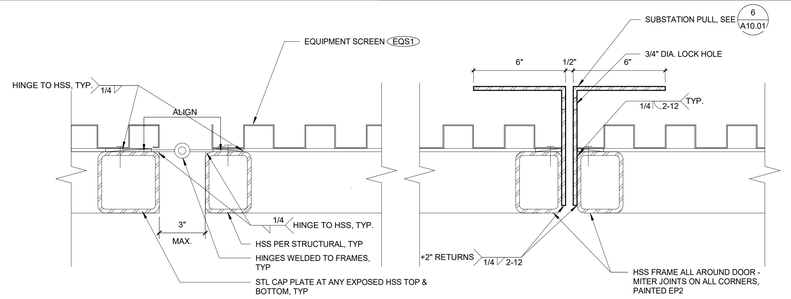
SHEET:

A9.31

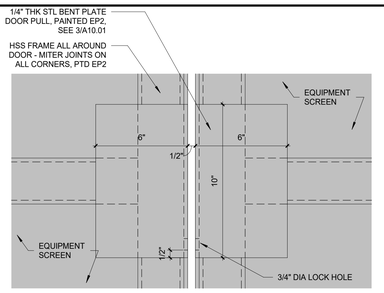
THE LINE SHOWN ABOVE IS
1" LONG ON ORIGINAL PLOT
IF NOT 1" LONG, ADJUST SCALE
SHEETS ORIGINAL SIZE 30X42



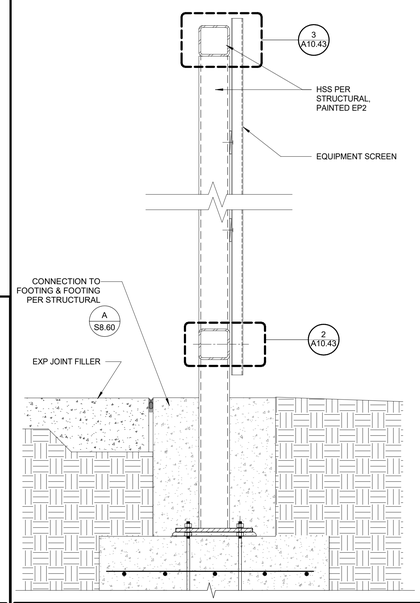
ACCESS AUTO DOOR OPERATOR BOLLARD | **4** | 1" = 1'-0"



SUBSTATION SCREEN - HINGE | **3** | 3" = 1'-0"



SUBSTATION - PULL | **6** | 3" = 1'-0"



SUBSTATION SCREEN - POST | **1** | 1 1/2" = 1'-0"

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KENNETH SALYER
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FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SITE DETAILS

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

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A10.01

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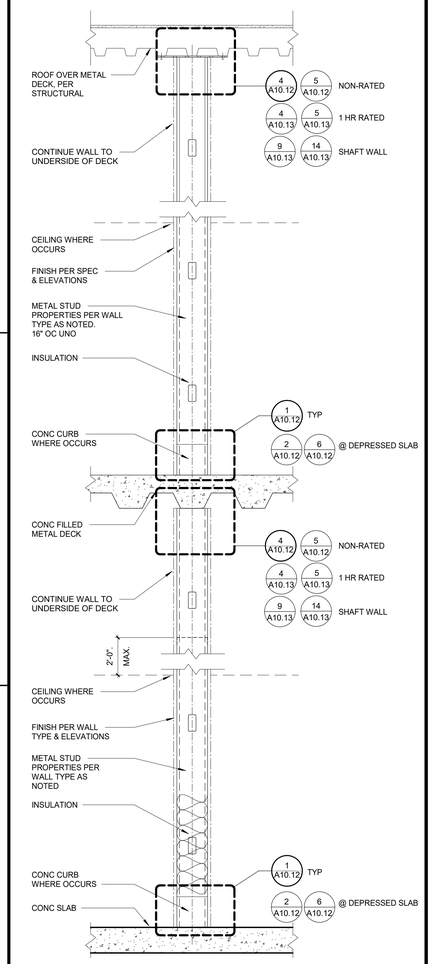
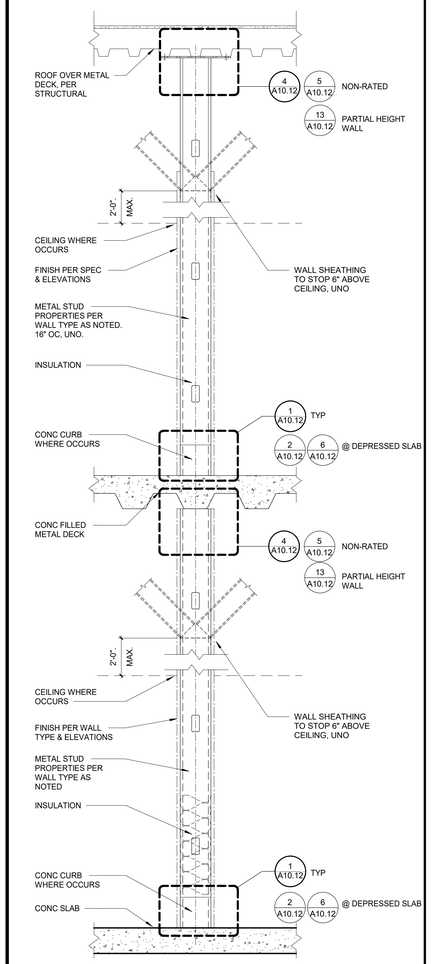


05.001

INTERIOR WALL TYPES @ STC AND FIRE RATED WALLS

16

1" = 1'-0"



05.001

INTERIOR WALL TYPES

11

1" = 1'-0"

TABLE A - HEIGHT VARIABLE

DESIGNATION	SHEATHING 1	NO. LAYERS	SHEATHING 2	NO. LAYERS
A	5/8" GYPSUM BOARD	1	-	-
B	5/8" GYPSUM BOARD	2	-	-
C	5/8" GYPSUM BOARD	3	-	-
D	5/8" GYPSUM BOARD W 1.5 LB/SF LEAD	1	-	-
E	5/8" GYPSUM BOARD W 2.0 LB/SF LEAD	1	-	-
F	5/8" GYPSUM BOARD W 2.5 LB/SF LEAD	1	-	-
G	5/8" GYPSUM BOARD W 4.0 LB/SF LEAD	1	-	-
H	5/8" GYPSUM BOARD W 6.0 LB/SF LEAD	1	-	-
J	5/8" GYPSUM BOARD W 8.0 LB/SF LEAD	1	-	-
K	5/8" GYPSUM BOARD	1	1/2" HAT CHANNEL	1
L	5/8" GYPSUM BOARD	1	3/4" PLYWOOD	1
M	-	-	-	-
N	-	-	-	-
P	1" SHAFT LINER	1	-	-
Q	3/4" PLASTER	1	-	-
R	1/2" PLYWOOD	1	-	-
S	3/4" PLYWOOD	1	-	-
T	-	-	-	-
U	5/8" GYPSUM BOARD	2	7/8" HAT CHANNEL	1
V	(PROJECT SPECIFIC)	1	-	-
W	(PROJECT SPECIFIC)	1	-	-
X	(PROJECT SPECIFIC)	1	-	-
Y	(PROJECT SPECIFIC)	1	-	-
Z	NONE			

TABLE B - WALL STRUCTURE TYPE

DESIGNATION	STRUCTURE
S	STEEL STUD (METAL STUD)
H	C-H STUD
W	WOOD STUD
M	CONCRETE MASONRY UNIT
C	CAST- IN- PLACE CONCRETE
T	TILT-UP CONCRETE PANELS

TABLE C - STRUCTURE MEMBER SIZE VARIABLE

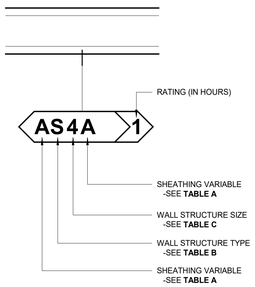
DESIGNATION	STEEL STUD	C-H STUD	WOOD STUD	CMU	CONCRETE/TILT UP
0	7/8" HAT CHANNEL	-	-	-	-
1	1 5/8"	-	-	-	-
2	2 1/2"	2 1/2"	-	-	-
3	3 5/8"	-	-	3 5/8"	-
4	4"	4"	3 1/2"	3 5/8"	-
6	6"	6"	6 1/2"	5 5/8"	6"
8	8"	-	-	7 5/8"	8"
10	10"	-	-	9 5/8"	10"
12	12"	-	-	11 5/8"	12"

WALL SCHEDULE

WALL NAME	STC RATING	FIRE RATING (HRS)	UL#
AH4P	43	0	-
AH4P-1	43	1	U415
AS4A	38	0	-
AS4A-1	38	1	U419
AS4B	42	0	-
AS4B-1	42	1	U419
AS4Z	59*	0	-
AS6A	38	0	-
AS6B-1	42	1	U419
AS6Z	59*	0	-
BS4B	45	0	-
BS4B-1	45	1	U419
BS4Z	59*	0	-

* WHEN IN BACK-TO-BACK DOUBLE CHASE WALL CONDITION ONLY

LEGEND:



WALL TYPES AND TAG DESCRIPTION LEGEND

1

6" = 1'-0"

8/5/2021 8:59:42 AM

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ISSUE

Δ	DESCRIPTION	DATE

NOTES

1. ALL STUDS 16 GAUGE AT 16" O.C. U.N.O.
2. COORDINATE WITH STRUCTURAL DRAWINGS FOR FRAMING DETAILS, CONNECTIONS, ETC.
3. SEE EXTERIOR ELEVATIONS AND ENLARGED FLOOR PLANS FOR ADDITIONAL WALL FINISHES.
4. COORDINATE WALL BACKING LOCATIONS FOR ALL MOUNTED ITEMS.
5. REFER TO ARCH SLAB PLANS FOR DEPRESSED SLAB AND CURB LOCATIONS.

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL TYPES

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FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A10.11

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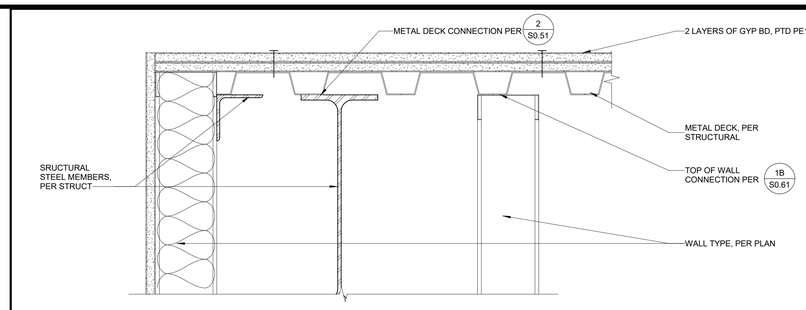
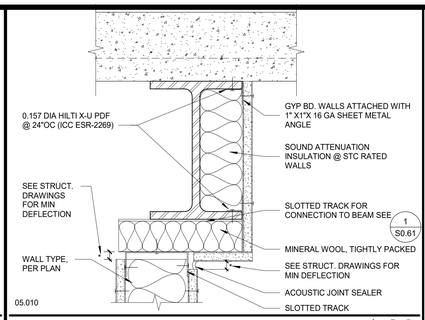
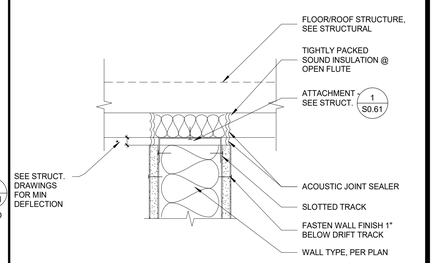


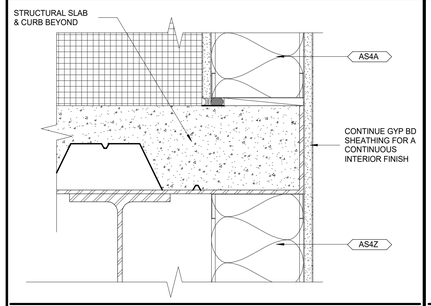
DOUBLE WALL @ AV/TV - TOP OF WALL | 15
3" = 1'-0"



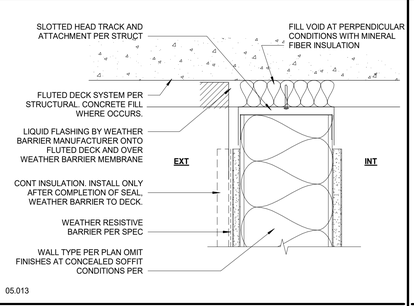
TYP HEAD OF WALL UNDER BEAM OFFSET | 10
3" = 1'-0"



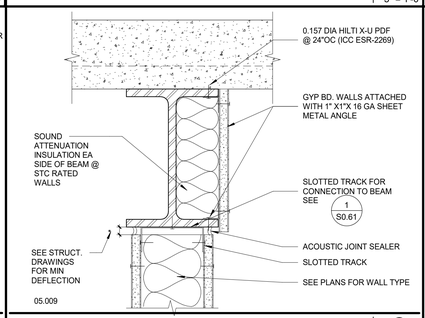
MTL STUD WALL PERP. TO MTL DECK | 5
3" = 1'-0"



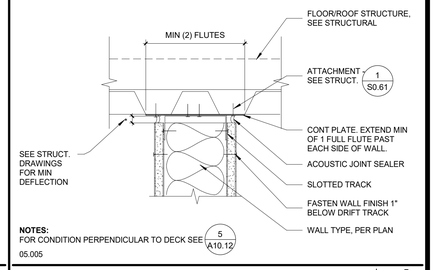
DECK AT GYP WALL | 19
3" = 1'-0"



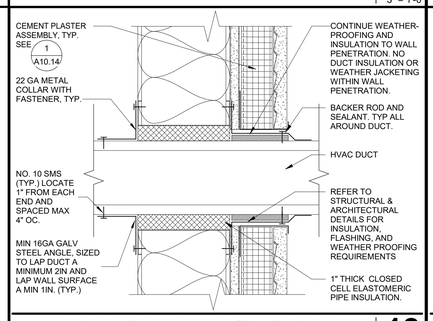
WEATHER BARRIER HEAD AT FLUTED DECK | 14
3" = 1'-0"



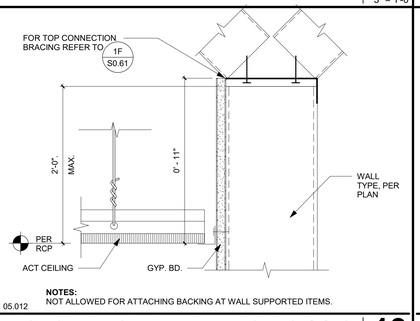
TYP HEAD OF WALL UNDER BEAM | 9
3" = 1'-0"



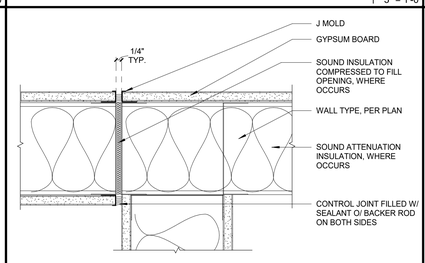
MTL STUD WALL PARALLEL TO MTL DECK | 4
3" = 1'-0"



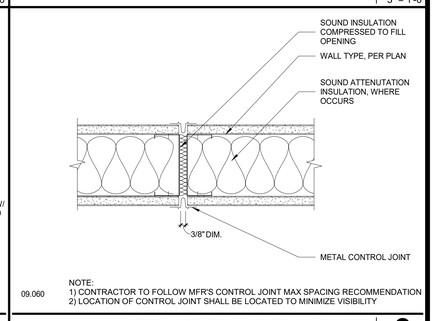
TYP DUCT PENETRATION @ PARAPET | 18
3" = 1'-0"



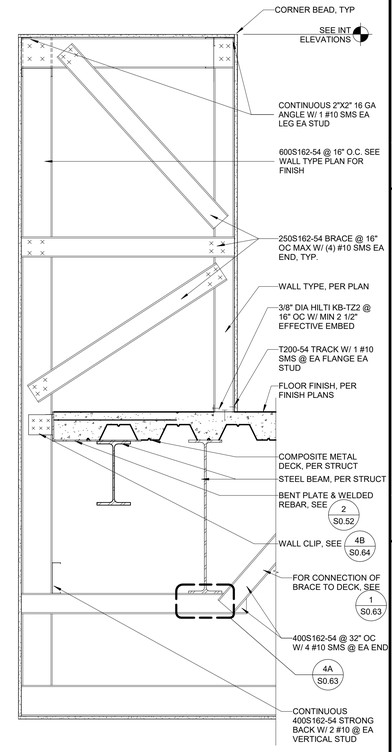
TOP OF MTL STUD WALL - ABOVE CEILING | 13
3" = 1'-0"



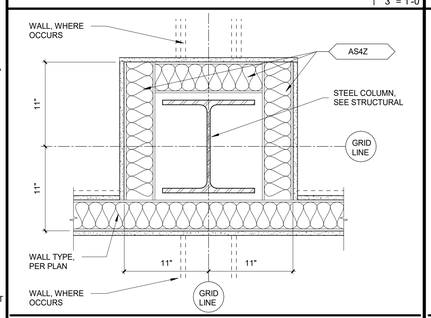
TYP INTERIOR WALL/CONTROL JOINT AT CORNER CONDITION | 8
3" = 1'-0"



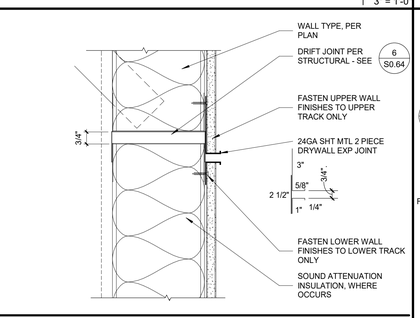
TYP GYP BD CONTROL JOINT | 3
3" = 1'-0"



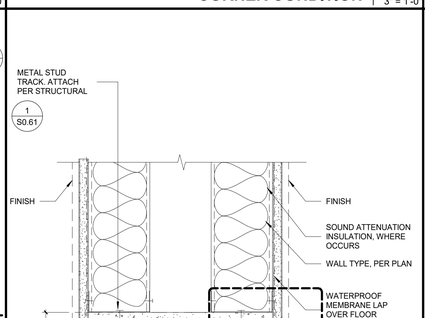
DOUBLE WALL @ 2ND FLOOR CIRCULATION | 21
1" = 1'-0"



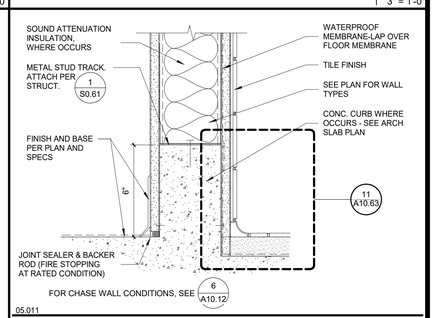
TYP. COLUMN CHASE WALL @ INT | 17
1 1/2" = 1'-0"



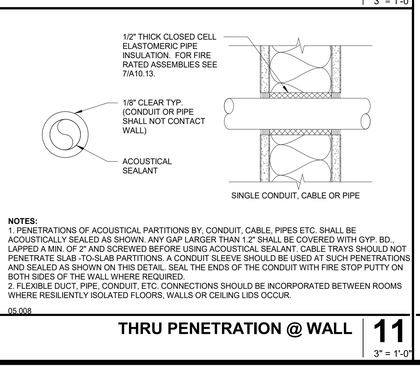
DRIFT JOINT @ INT GYP BD | 12
3" = 1'-0"



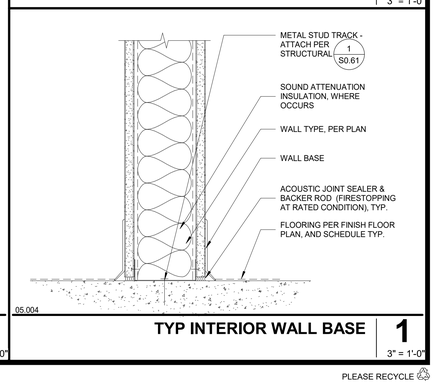
INT CHASE WALL BASE AT RESTROOM | 6
3" = 1'-0"



INT CERAMIC TILE WALL BASE DETAIL | 2
3" = 1'-0"



THRU PENETRATION @ WALL | 11
3" = 1'-0"



TYP INTERIOR WALL BASE | 1
3" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
WALL DETAILS - NON RATED

DSA APPROVAL

FILE NO.: **36-C1** A#: **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

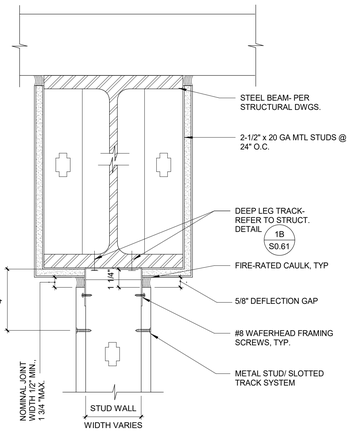
SHEET:

A10.12

8/19/2021 2:59:41 PM

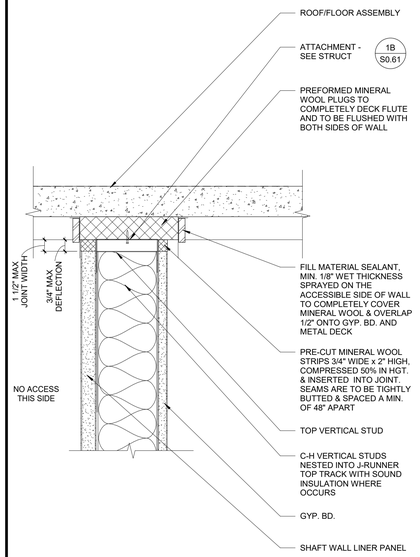
PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT FULL SIZE ON SHEET'S ORIGINAL SPACE SIZE



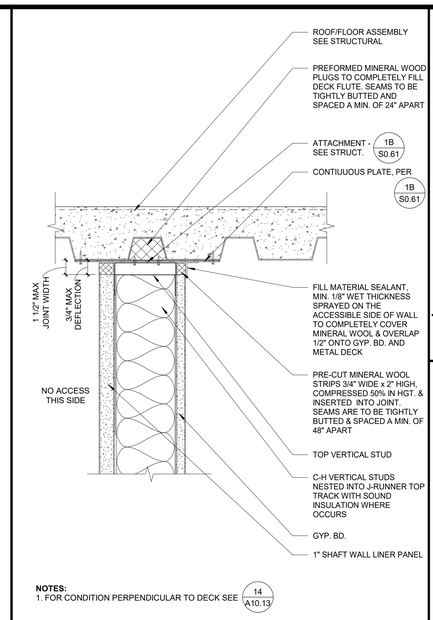
DESIGN NUMBER: ANSI/UL263 BXUV N502

WALL CONNECTION TO BEAM AT 1HR FIRE RATED WALL | 19 | 3" = 1'-0"



05.024 UL# U415

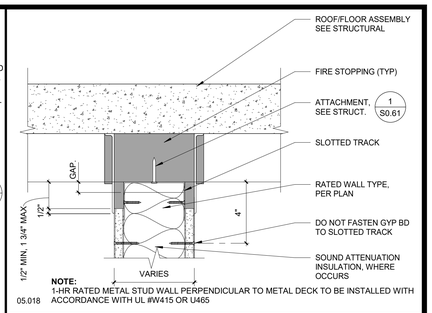
SHAFTWALL HEAD PERP TO MTL DECK | 14 | 3" = 1'-0"



NOTES:
1. FOR CONDITION PERPENDICULAR TO DECK SEE 14 A10.13

05.021 UL# U415

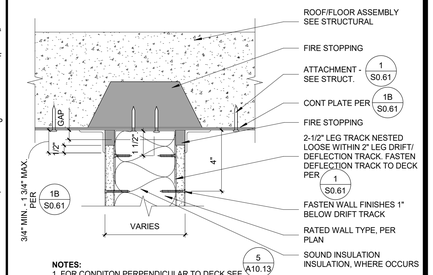
SHAFTWALL HEAD PARALLEL TO MTL DECK | 9 | 3" = 1'-0"



NOTE:
1-HR RATED METAL STUD WALL PERPENDICULAR TO METAL DECK TO BE INSTALLED WITH ACCORDANCE WITH UL #W415 OR U465

05.018

1 HR FIRE RATED MTL STUD WALL PERP TO MTL DECK | 5 | 3" = 1'-0"



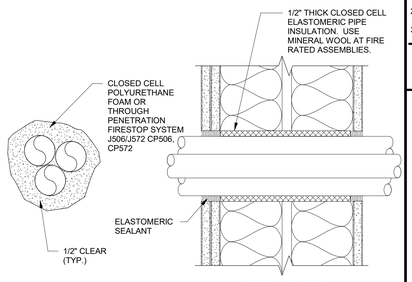
NOTES:
1. FOR CONDITON PERPENDICULAR TO DECK SEE
2. 1-HR RATED METAL STUD WALL PARALLEL TO METAL DECK TO BE INSTALLED IN ACCORDANCE WITH UL #W415 OR U465.

05.017

1 HR FIRE RATED MTL STUD WALL PARALLEL TO MTL DECK UL #W415 | 4 | 3" = 1'-0"

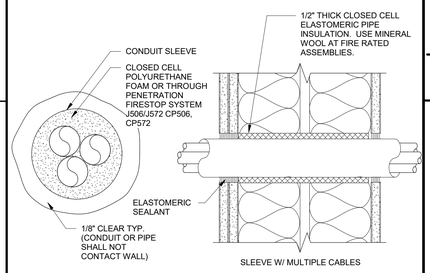
SINGLE CONDUIT, CABLE OR PIPE

SIMILAR FOR DOUBLE STUD PARTITION - USE PIPE SLEEVES TO PREVENT INSULATION FROM FALLING INTO STUD CAVITIES



MULTIPLE CONDUIT

FOR DOUBLE STUD PARTITION - USE PIPE SLEEVES TO PREVENT INSULATION FROM FALLING INTO STUD CAVITIES



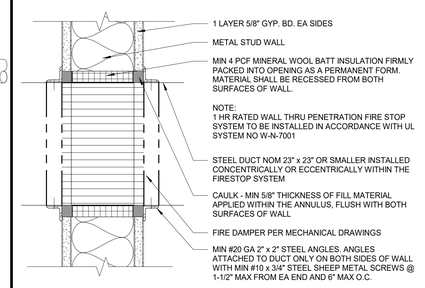
SLEEVE W/ MULTIPLE CABLES

NOTES:
1. PENETRATIONS OF ACOUSTICAL PARTITIONS BY, CONDUIT, CABLE, PIPES ETC. SHALL BE ACOUSTICALLY SEALED AS SHWON. ANY GAP LARGER THAN 1/2" SHALL BE COVERED WITH GYP. BD., LAPPED A MIN. OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT. CABLE TRAYS SHOULD NOT PENETRATE SLAB -TO-SLAB PARTITIONS. A CONDUIT SLEEVE SHOULD BE USED AT SUCH PENETRATIONS. A CONDUIT SLEEVE SHOULD BE USED AT SUCH PENETRATIONSAND SEALED AS SHOWN ON THIS DETAIL. SEAL THE ENDS OF THE CONDUIT WITH FIRE STOP PUTTY ON BOTH SIDES OF THE WALL.
2. FLEXIBLE DUCT, PIPE, CONDUIT, ETC. CONNECTIONS SHOULD BE INCORPORATED BETWEEN ROMOS WHERE RESILIENTLY ISOLATED FLOORS, WALLS OR CEILING LIDS OCCUR.
3. WHERE PENETRATING WALL TYPE M4SB OR M6SB TEST SEALANT IN ACCORDACE TO ASTM E 814 AND OR UL 1479 AND 2019 CBC 714.4

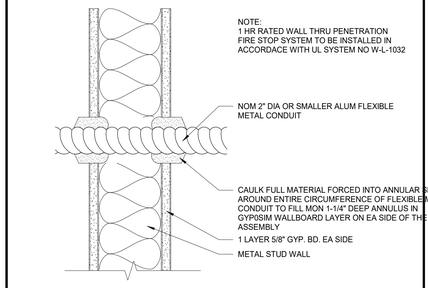
THRU PENETRATION @ FULL HT. WALL | 16 | 3" = 1'-0"

NOTE:
1. PENETRATIONS OF ACOUSTICAL PARTITIONS BY DUCTWORK SHALL BE ACOUSTICALLY SEALED AS SHOWN. ANY GAP LARGER THAN 1/2" SHALL BE COVERED WITH GYP. BD., LAPPED A MIN. OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT.
2.USE METAL PIPE SLEEVES AT DOUBLE STUD WALL ASSEMBLIES TO PREVENT INSULATION FROM F FALLING INTO STUD CAVITY
3. INSTALL DUCTS CENTERED IN THE OEPNING. DUCTS SHALL NOT TOUCH ADJACENT STUDS.

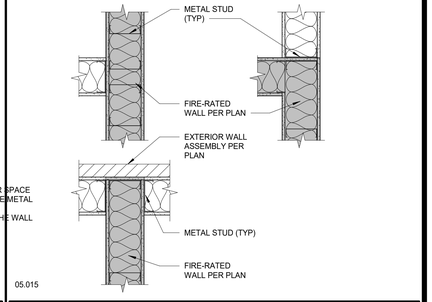
TYP DUCT PENETRATION @ FULL HT. WALL | 13 | 3" = 1'-0"



TYP 1 HR RATED WALL METAL DUCT THRU PENETRATION UL W-N-7001 | 12 | 3" = 1'-0"



TYP 1 HR. RATED WALL CONDUIT THRU PENETRATION UL W-L-1032 | 7 | 3" = 1'-0"



05.015

FIRE RATED WALL AT INTERSECTING WALLS | 2 | 1" = 1'-0"

05.020

EXTERIOR PLASTER WALL @ FINISH FLOOR | 8 | 3" = 1'-0"

NOTE:
1 HR RATED WALL THRU PENETRATION FIRE STOP SYSTEM TO BE INSTALLED IN ACCORDANCE WITH UL SYSTEM NO W-L-3286

05.016

TYP 1 HR RATED WALL CABLE TRAY THRU PENETRATION UL #W-L-3286 | 3 | 3" = 1'-0"

05.014

1 HR RATED METAL STUD SHAFTWALL - UL DESIGN #U415 | 1 | 3" = 1'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-22 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL DETAILS - FIRE RATED

DSA APPROVAL

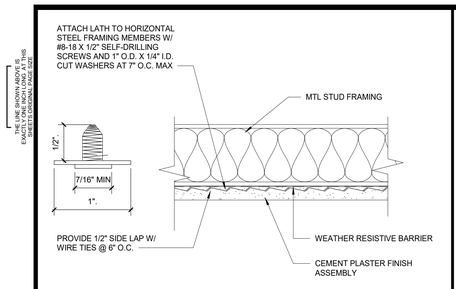
FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

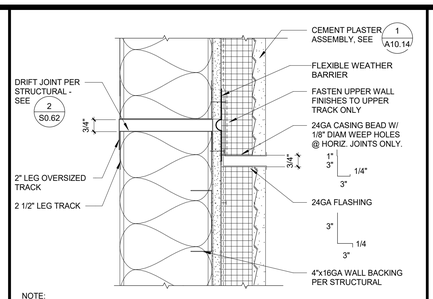
A10.13

8/5/2021 8:59:36 AM

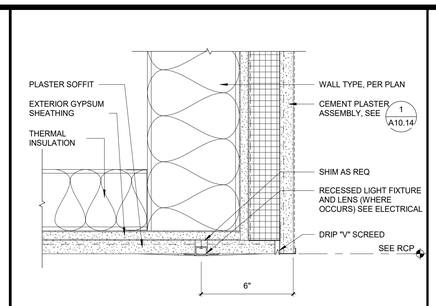
THE LINE SHOWN ABOVE IS 3" LONG WHEN PLOTTED ON SHEETS ORIGINAL SIZE



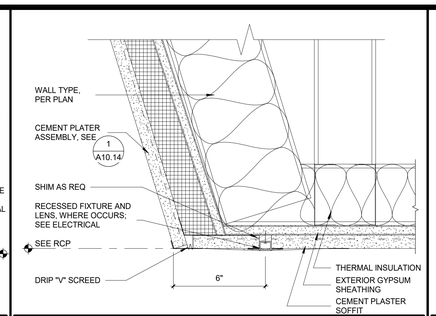
TYPICAL PLASTER SOFFIT ATTACHMENT | 25
3" = 1'-0"



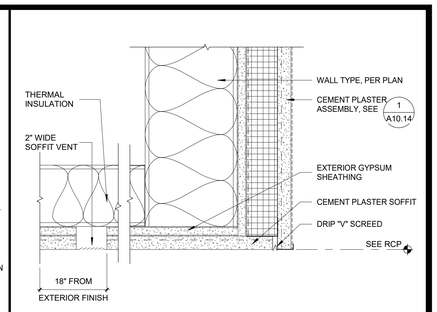
DRIFT JOINT @ EXT PLASTER | 20
3" = 1'-0"



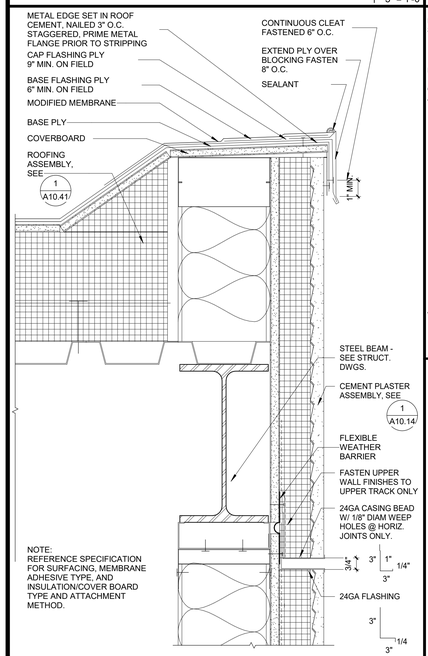
PLASTER WALL TO PLASTER SOFFIT W/ LIGHTING | 15
3" = 1'-0"



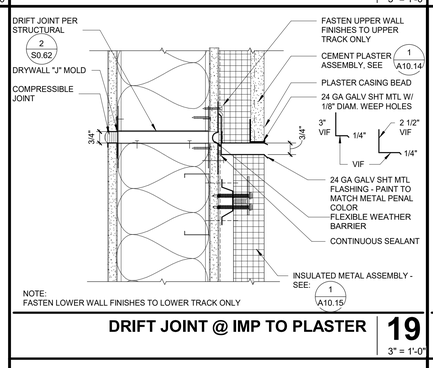
ANGLED WALL TO PLASTER SOFFIT EXT | 10
3" = 1'-0"



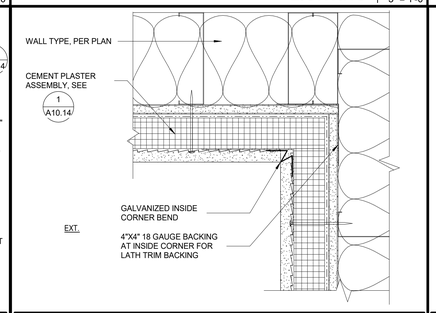
PLASTER WALL TO PLASTER SOFFIT W/ SOFFIT VENT | 5
3" = 1'-0"



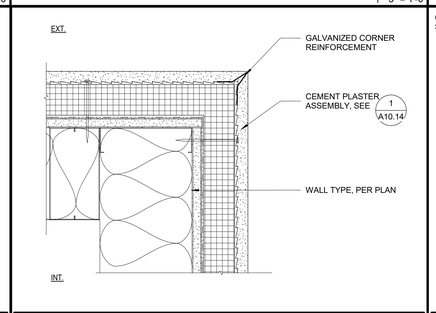
DRIFT JOINT @ STAIR #2 ROOF PARAPET - PLASTER | 23
3" = 1'-0"



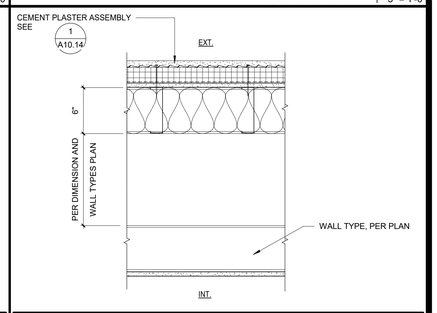
DRIFT JOINT @ IMP TO PLASTER | 19
3" = 1'-0"



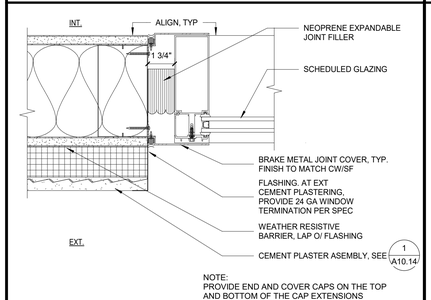
EXTERIOR WALL - INSIDE CORNER PLASTER WALL | 14
3" = 1'-0"



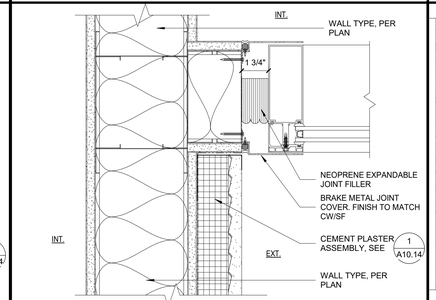
EXTERIOR WALL - OUTSIDE CORNER PLASTER WALL | 9
3" = 1'-0"



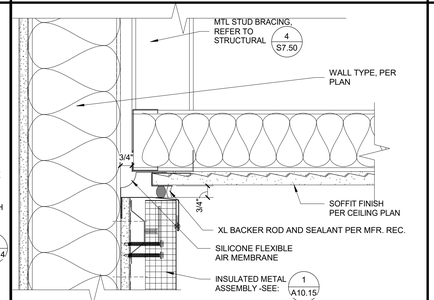
EXTERIOR WALL - PLASTER WALL AT CROSS BRACING | 4
1 1/2" = 1'-0"



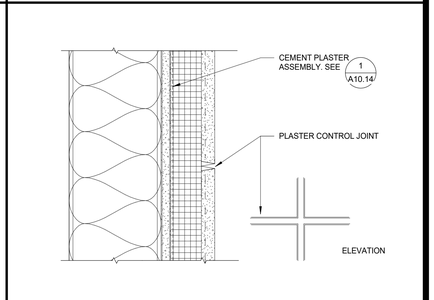
EXT CW JAMB @ PLASTER W/ DRIFT JOINT | 18
3" = 1'-0"



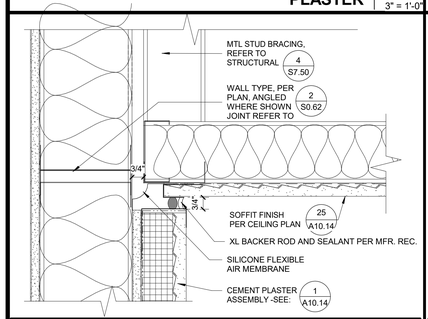
EXTERIOR WALL - INSIDE CORNER PLASTER @ DRIFT JOINT | 13
3" = 1'-0"



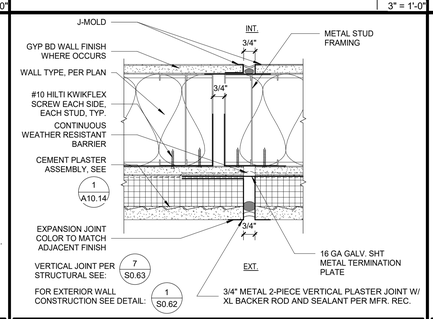
DRIFT JOINT @ EXT METAL PANEL/ PLASTER SOFFIT | 8
3" = 1'-0"



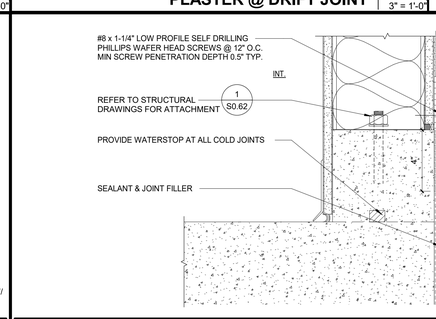
CONTROL JOINT @ EXT PLASTER | 3
3" = 1'-0"



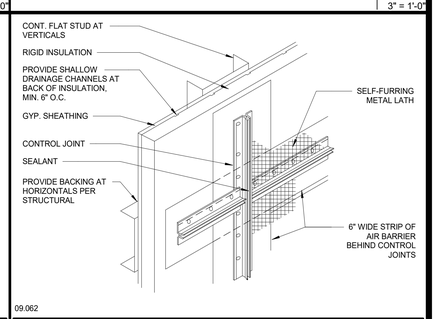
DRIFT JOINT @ EXT PLASTER/ PLASTER SOFFIT | 22
3" = 1'-0"



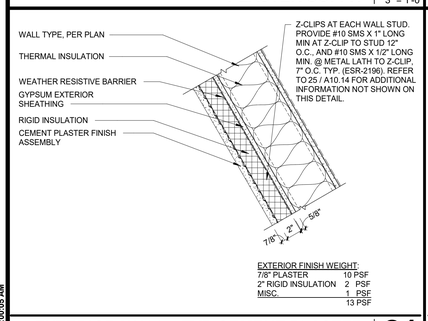
VERTICAL JOINT @ PLASTER | 17
3" = 1'-0"



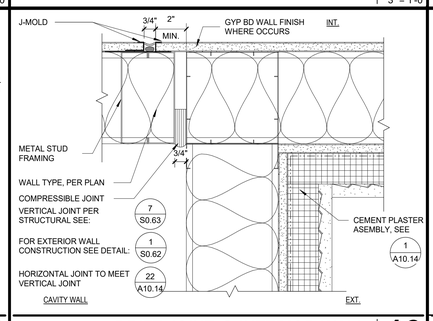
EXTERIOR WALL - PLASTER - BASE | 7
3" = 1'-0"



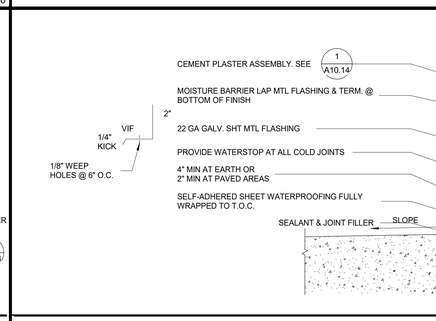
TYP PLASTER CONTROL JOINT | 2
1 1/2" = 1'-0"



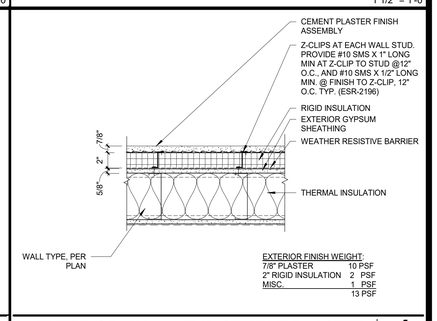
EXTERIOR WALL - TYP CEMENT PLASTER ASSEMBLY @ SLOPED WALL | 21
1 1/2" = 1'-0"



DRIFT JOINT @ INTERIOR WALL | 16
3" = 1'-0"



EXTERIOR WALL - PLANTER - ANGLED WALL BASE | 6
3" = 1'-0"



EXTERIOR WALL - TYP CEMENT PLASTER ASSEMBLY | 1
1 1/2" = 1'-0"

8/5/2021 9:00:06 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
WALL DETAILS - PLASTER

DSA APPROVAL

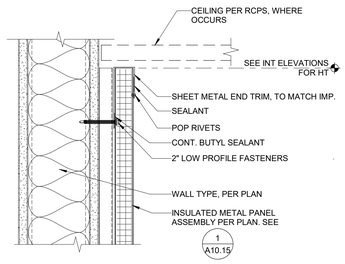
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

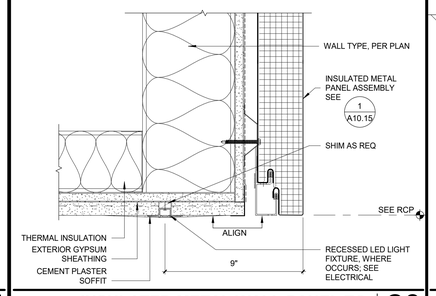
SHEET:

A10.14

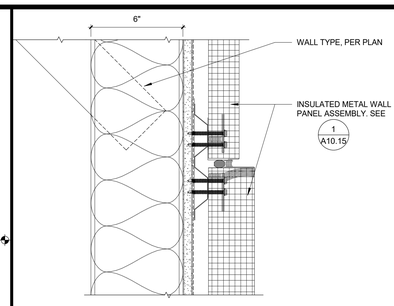
THE LINE SHOWN ABOVE IS 3" LONG ON ORIGINAL SHEET. IF IT IS NOT, THIS SHEET IS ORIGINAL SHEET SIZE



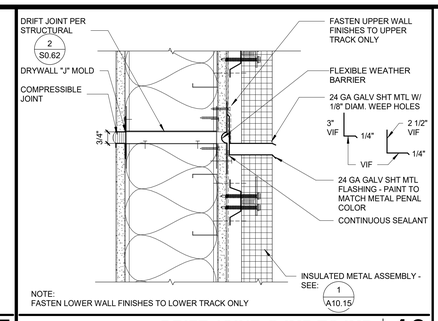
INT INSULATED METAL PANEL - HEAD CONDITION | 25
3" = 1'-0"



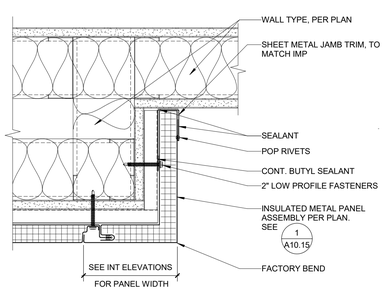
INSULATED METAL WALL PANEL TO PLASTER SOFFIT W/ LIGHTING | 20
3" = 1'-0"



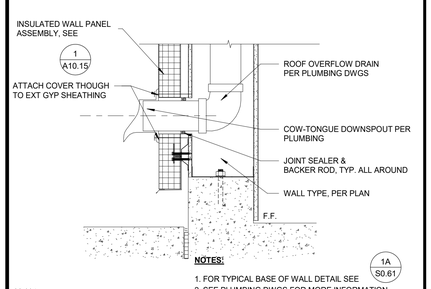
METAL PANEL @ TRANSITION | 15
3" = 1'-0"



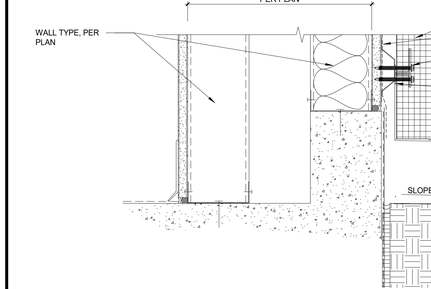
DRIFT JOINT @ IMP TO IMP | 10
3" = 1'-0"



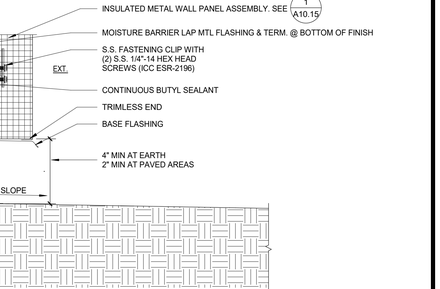
INT INSULATED METAL PANEL - END PANEL | 24
3" = 1'-0"



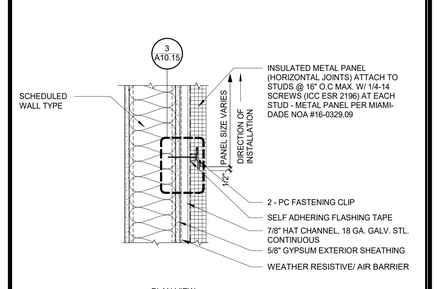
EXTERIOR WALL - INTERSECTION MTL PANEL AND PLASTER WALL | 19
3" = 1'-0"



EXTERIOR WALL - INSIDE CORNER MTL PANEL @ DRIFT JOINT | 14
3" = 1'-0"



EXTERIOR WALL - INSIDE CORNER MTL PANEL | 9
3" = 1'-0"



HORIZONTAL METAL PANEL JOINT | 4
6" = 1'-0"

INT INSULATED METAL PANEL - INSIDE CORNER | 23
3" = 1'-0"

INT INSULATED METAL PANEL @ CONCRETE BENCH | 18
3" = 1'-0"

EXTERIOR WALL - INSIDE PLASTER CORNER @ DRIFT JOINT | 13
3" = 1'-0"

EXTERIOR WALL - OUTSIDE CORNER MTL PANEL | 8
3" = 1'-0"

VERTICAL METAL PANEL JOINT | 3
6" = 1'-0"

INT INSULATED METAL PANEL - OUTSIDE CORNER | 22
3" = 1'-0"

OVERFLOW DRAIN OUTLET AT METAL PANEL | 17
1 1/2" = 1'-0"

INT CHASE WALL BASE WITH METAL PANEL | 7
3" = 1'-0"

TYP EXT INSULATED METAL PANEL FINISH ASSEMBLY | 1
1 1/2" = 1'-0"

INT INSULATED MTL PANEL - BASE | 21
3" = 1'-0"

EXTERIOR WALL - MTL WALL AT CROSS BRACING | 16
1 1/2" = 1'-0"

EXTERIOR WALL - MTL PANEL - BASE | 6
3" = 1'-0"

8/5/2021 9:00:13 AM

PLEASE RECYCLE

AGENCY APPROVAL:

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DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
WALL DETAILS - INSULATED METAL PANEL

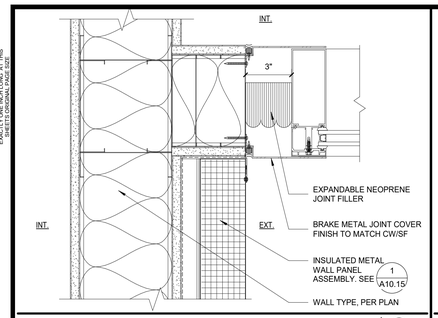
DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

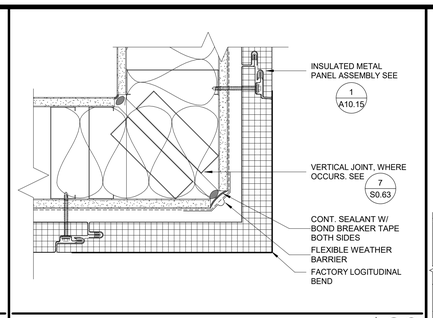
SHEET:

A10.15

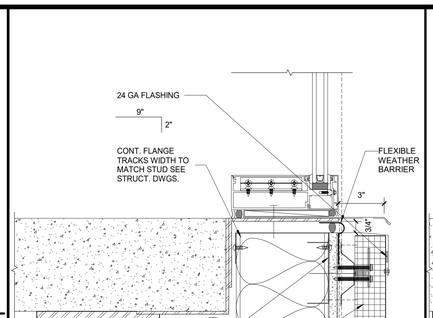
THE LINE SHOWN ABOVE IS 3" LONG ON THE ORIGINAL PAPER SIZE OF THIS SHEET'S ORIGINAL SPACE SIZE



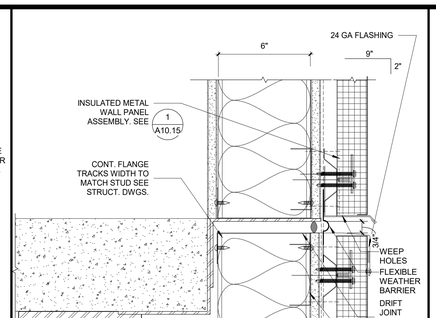
EXTERIOR WALL - INSIDE CORNER MP @ DRIFT JOINT | 25 | 3" = 1'-0"



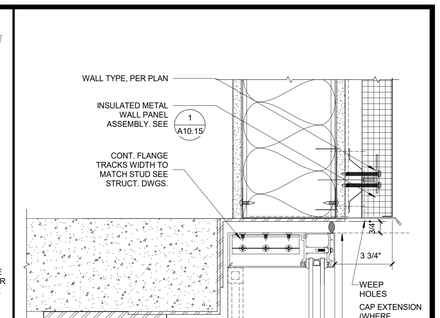
DEFLECTION JOINT @ OUTSIDE CORNER MTL PANEL | 20 | 3" = 1'-0"



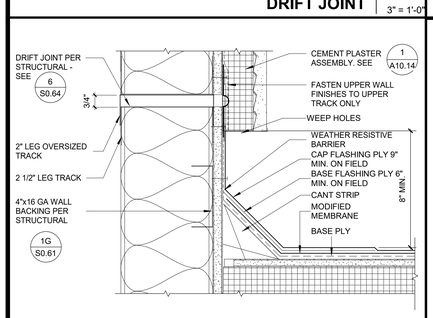
DRIFT JOINT @ FLOOR/CW SILL - IMP | 14 | 3" = 1'-0"



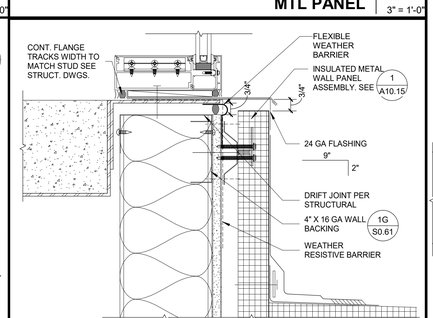
DRIFT JOINT @ FLOOR - IMP | 9 | 3" = 1'-0"



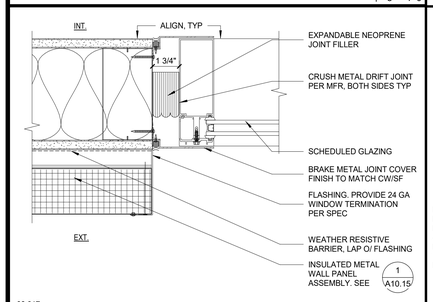
DRIFT JOINT @ FLOOR/CW HEAD - IMP | 4 | 3" = 1'-0"



DRIFT JOINT @ EXT PLASTER - ROOF | 24 | 3" = 1'-0"

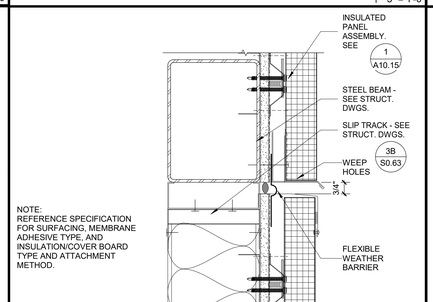


DRIFT JOINT @ FLOOR/CW SILL - ROOF | 19 | 3" = 1'-0"

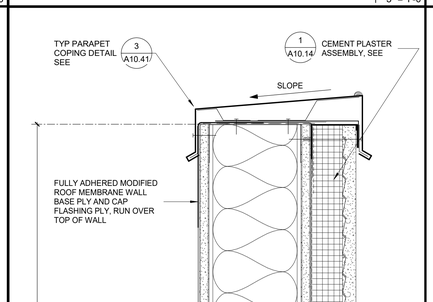


08.017

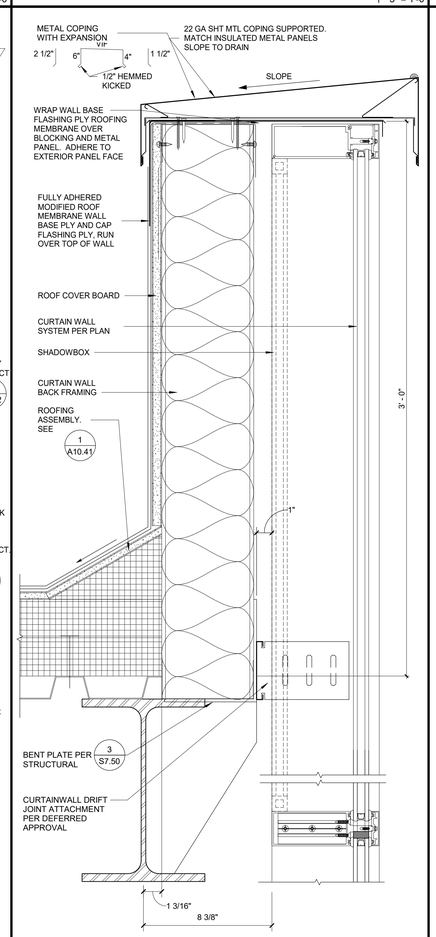
EXT CW JAMB @ IMP W/ DRIFT JOINT | 23 | 3" = 1'-0"



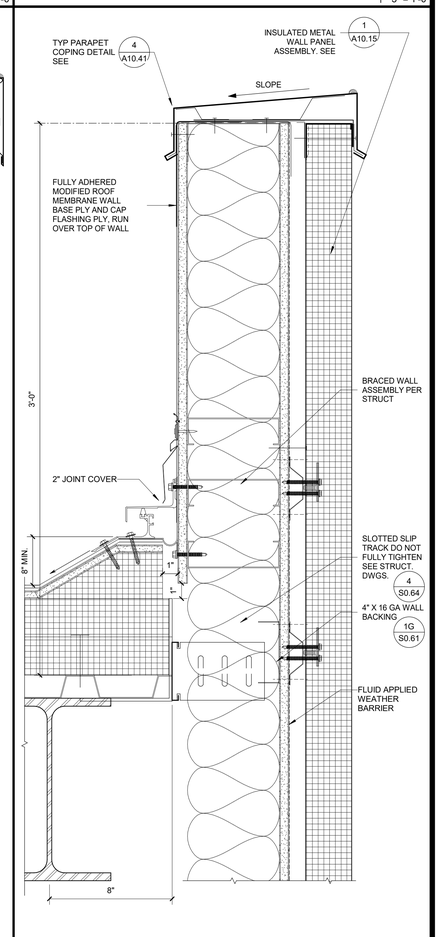
DRIFT JOINT @ STAIR #2 BEAM - IMP | 18 | 3" = 1'-0"



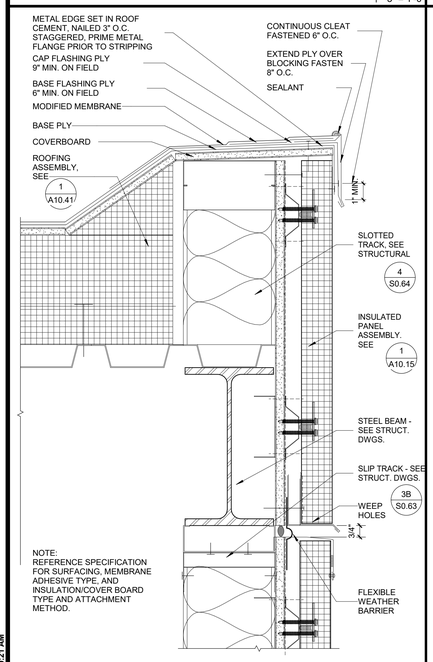
DRIFT JOINT @ ROOF PARAPET - PLASTER | 11 | 3" = 1'-0"



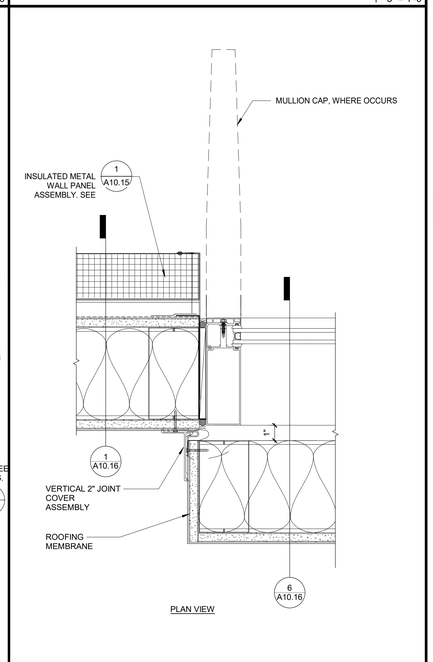
DRIFT JOINT @ ROOF PARAPET - CW | 6 | 3" = 1'-0"



DRIFT JOINT @ ROOF PARAPET - IMP | 1 | 3" = 1'-0"



DRIFT JOINT @ STAIR #2 ROOF PARAPET - IMP | 21 | 3" = 1'-0"



EXT CW JAMB W/ ALUMINUM CAP EXTENSION @ IMP W/ DRIFT JOINT | 16 | 3" = 1'-0"

8/5/2021 9:00:21 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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DATE: 08/19/2021

Chaffey College

HMC Architects

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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL DETAILS - DRIFT JOINTS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

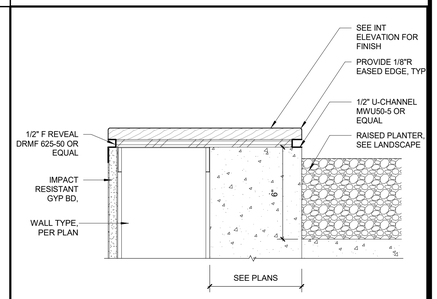
DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

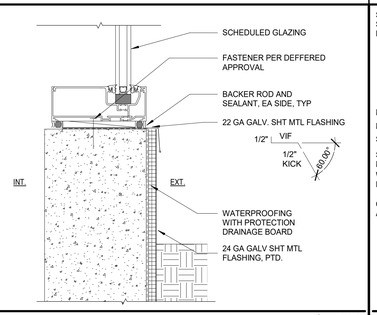
A10.16

PLEASE RECYCLE

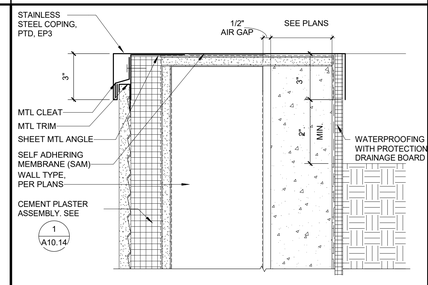
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



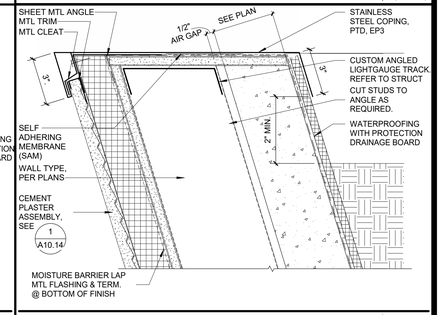
INTERIOR PLANTER WALL - TOP 4 — 3" = 1'-0"



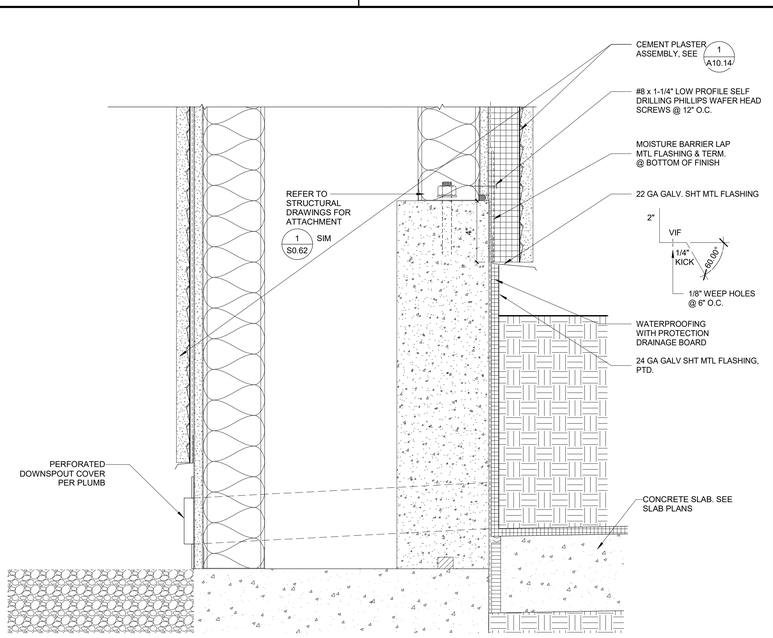
EXTERIOR WALL - PLANTER - CW ON TOP 13 — 3" = 1'-0"



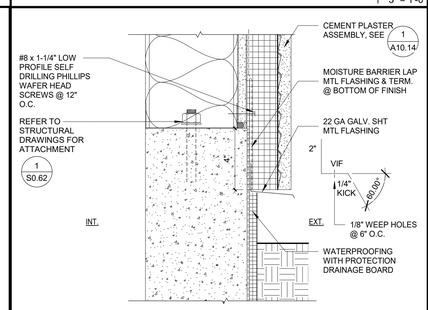
EXTERIOR WALL - PLANTER - WALL TOP 8 — 3" = 1'-0"



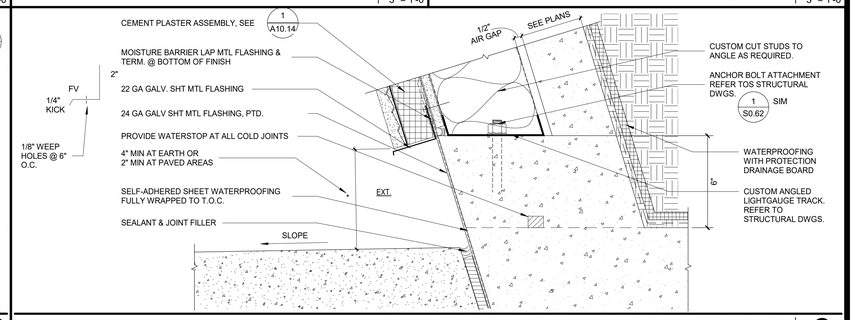
EXTERIOR WALL - PLANTER - ANGLED WALL TOP 3 — 3" = 1'-0"



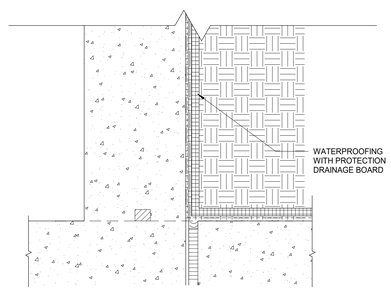
EXTERIOR WALL - PLANTER - DRAINAGE 16 — 3" = 1'-0"



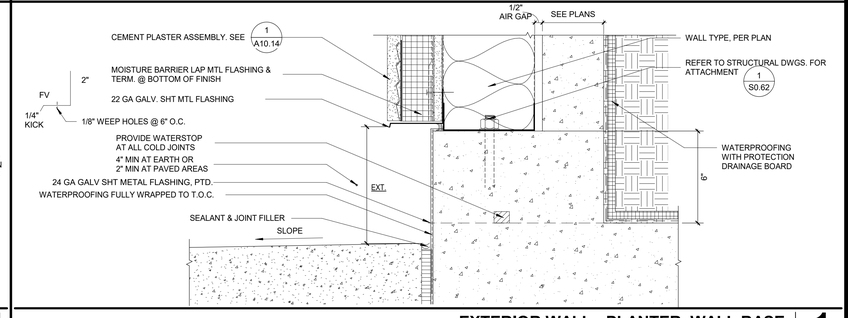
EXTERIOR WALL - PLANTER - WALL ON TOP 12 — 3" = 1'-0"



EXTERIOR WALL - PLANTER - ANGLED WALL BASE 2 — 3" = 1'-0"



EXTERIOR WALL - PLANTER WALL CONCRETE BASE 11 — 3" = 1'-0"



EXTERIOR WALL - PLANTER WALL BASE 1 — 3" = 1'-0"

AGENCY APPROVAL:

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DATE: 08/19/2021

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT — KENNETH SALYER — NO. C-19082 — REN. 11-30-21 — STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

PLANTER DETAILS

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

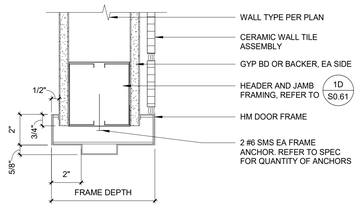
SHEET:

A10.17

8/5/2021 9:00:28 AM

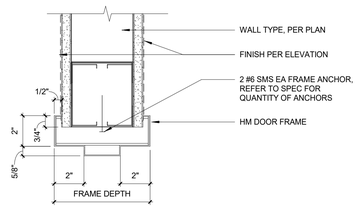
PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF THIS IS NOT THE CASE, ADJUST SCALE ACCORDINGLY



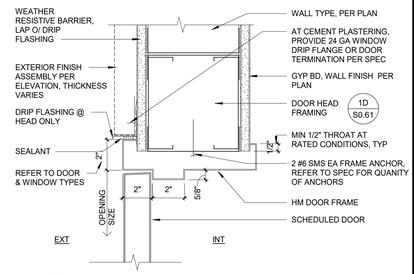
NOTE:
1. IF 1 HR RATED WALL W/2O MIN DOOR/ DOOR SCHEDULE THEN USE GWB FIRE RATED
2. FRAME DEPTH TO BE DETERMINED BY OVERALL WALL THICKNESS

INTERIOR HM DOOR HEAD, JAMB SIM. AT TILE WALL — **5** — 3" = 1'-0"



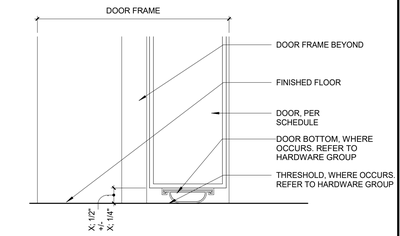
NOTE:
1. IF 1 HR RATED WALL W/2O MIN DOOR/ DOOR SCHEDULE THEN USE GWB FIRE RATED
2. FRAME DEPTH TO BE DETERMINED BY OVERALL WALL THICKNESS

INTERIOR HM DOOR HEAD, JAMB SIM. — **4** — 3" = 1'-0"



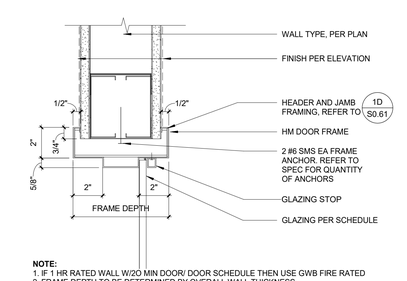
NOTE:
1. FRAME DEPTH TO BE DETERMINED BY OVERALL WALL THICKNESS

EXTERIOR HM DOOR HEAD, JAMB SIM. — **3** — 3" = 1'-0"



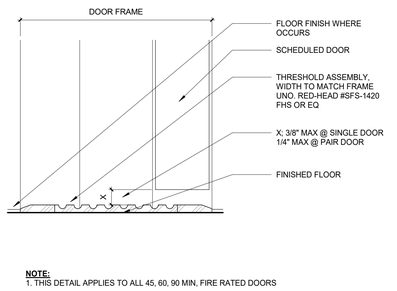
NOTE:
1. SEE A10.63 FOR FINISH FLOOR TRANSITIONS LOCATED UNDERNEATH DOOR.

TYPICAL INTERIOR DOOR SILL — **7** — 6" = 1'-0"



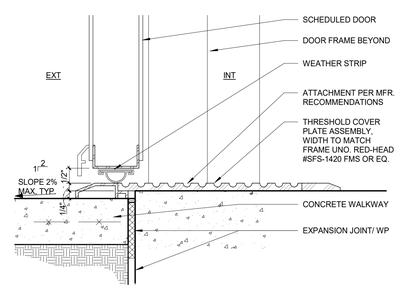
NOTE:
1. IF 1 HR RATED WALL W/2O MIN DOOR/ DOOR SCHEDULE THEN USE GWB FIRE RATED
2. FRAME DEPTH TO BE DETERMINED BY OVERALL WALL THICKNESS

INTERIOR HM WINDOW OR SIDE-LIGHT. HEAD, JAMB, SILL SIM. — **2** — 3" = 1'-0"



NOTE:
1. THIS DETAIL APPLIES TO ALL 45, 60, 90 MIN, FIRE RATED DOORS

THRESHOLD AT RATED DOORS, 45 MINUTES AND ABOVE — **6** — 6" = 1'-0"



EXTERIOR DOOR THRESHOLD @ GROUND FLOOR — **1** — 6" = 1'-0"

PLEASE RECYCLE

8/5/2021 9:00:35 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALYER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

DOOR DETAILS

DSA APPROVAL

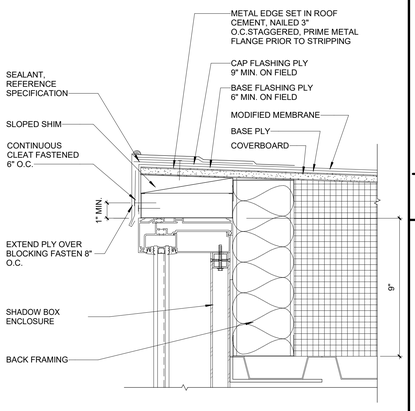
FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

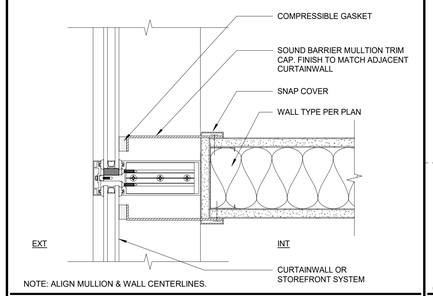
A10.21

THE LINE SHOWN ABOVE IS THE LINE SHOWN ABOVE IS EXACTLY 3" LONG WHEN PLOTTED ON ORIGINAL SHEET SIZE



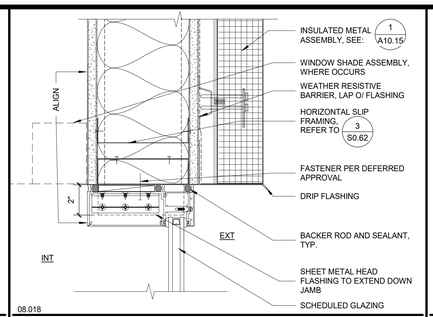
NOTE:
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

PARAPET COPING AT CURTAINWALL/STOREFTON | **24** | 3" = 1'-0"



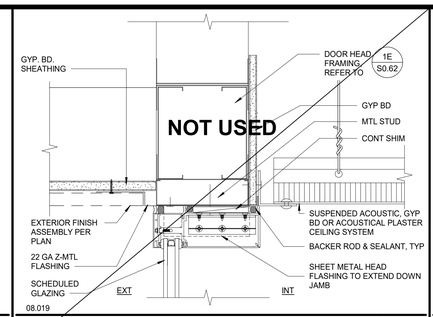
NOTE: ALIGN MULLION & WALL CENTERLINES.

EXT CW/SF MULLION @ SOUND BARRIER CAP | **20** | 3" = 1'-0"



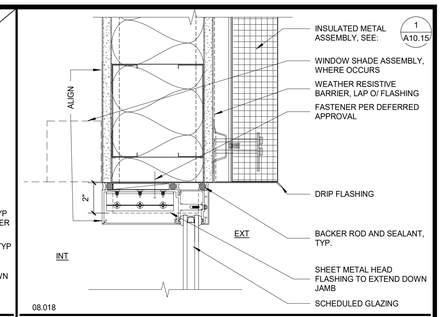
08.018

EXT CW MULLION HEAD/ROLLER SHADE @ METAL PANEL | **15** | 3" = 1'-0"



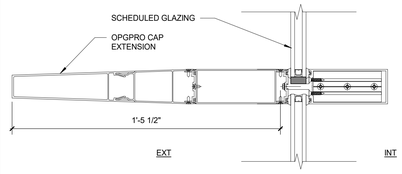
08.019

EXT CW MULLION HEAD @ CEILINGS | **10** | 3" = 1'-0"



08.018

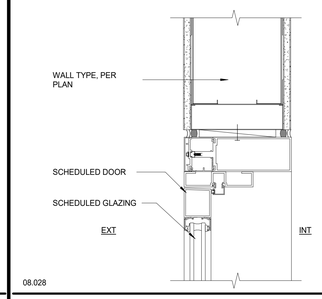
EXT CW MULLION HEAD/ROLLER SHADE @ METAL PANEL | **5** | 3" = 1'-0"



08.021

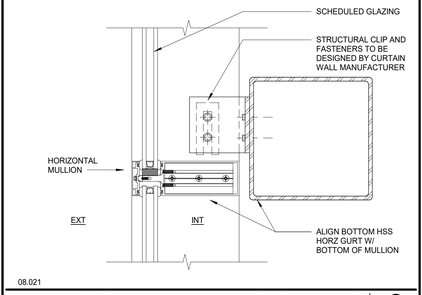
NOTE: PROVIDE END AND COVER CAPS ON THE TOP AND BOTTOM OF THE CAP EXTENSIONS

EXT CW VERTICAL MULLION W/ ALUMINUM CAP EXTENSION | **19** | 3" = 1'-0"



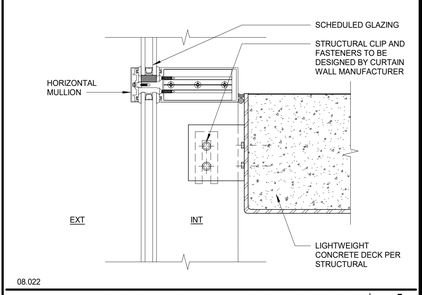
08.028

EXT CW DOOR HEAD | **14** | 3" = 1'-0"



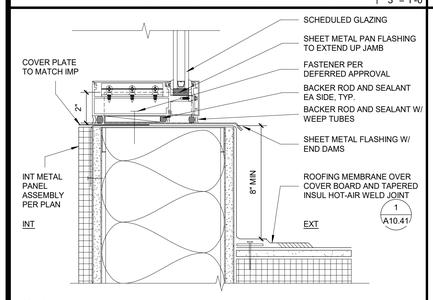
08.021

EXT CW MULLION @ STEEL BRACE | **9** | 3" = 1'-0"



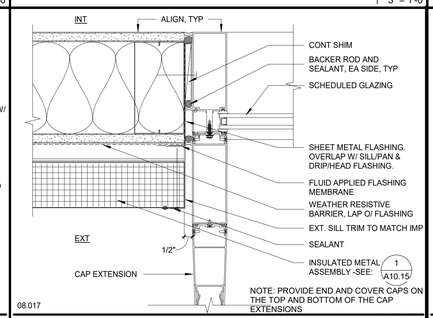
08.022

EXT CW MULLION @ SLAB EDGE | **4** | 3" = 1'-0"



08.016

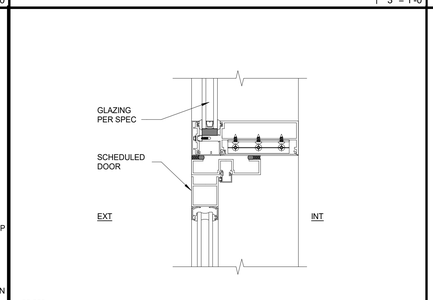
EXT CW SILL @ ROOF PARAPET | **23** | 3" = 1'-0"



NOTE: PROVIDE END AND COVER CAPS ON THE TOP AND BOTTOM OF THE CAP EXTENSIONS

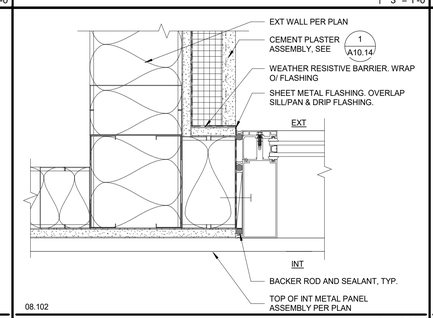
08.017

EXT CW JAMB W/ ALUMINUM CAP EXTENSION @ IMP | **18** | 3" = 1'-0"



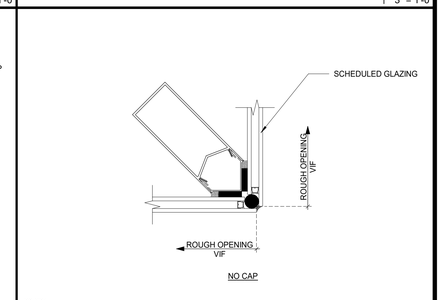
08.028

EXT CW DOOR HEAD @ TRANSOM | **13** | 3" = 1'-0"



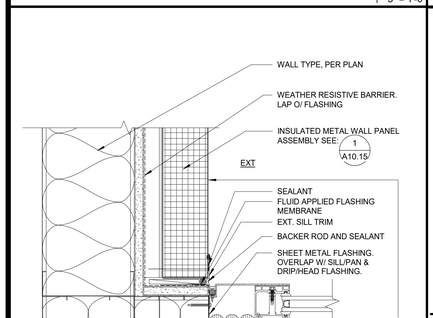
08.102

EXT CW CORNER JAMB - PARALLEL @ PLASTER | **8** | 3" = 1'-0"

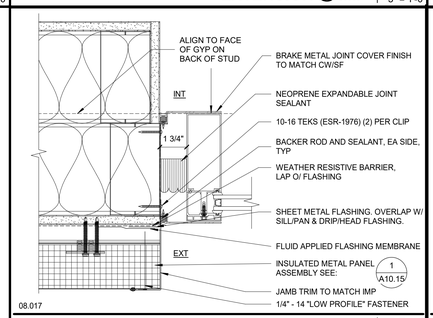


08.024

EXT CW JAMB BUTT JOINT, TYP | **3** | 3" = 1'-0"

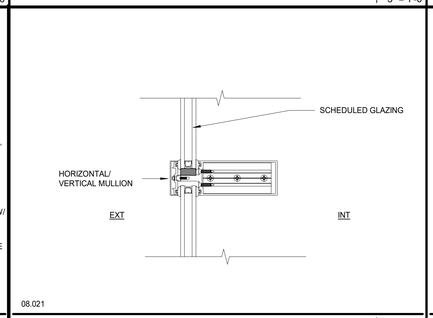


EXT CW JAMB @ PERPENDICULAR WALL - 2" IMP | **21** | 3" = 1'-0"



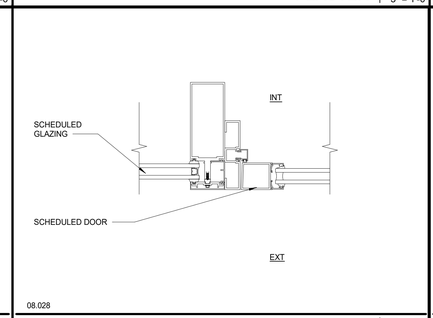
08.017

EXT CW JAMB @ DOUBLE WALL | **17** | 3" = 1'-0"



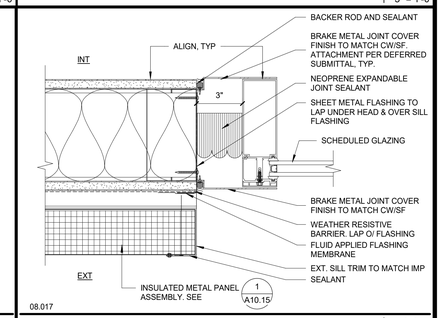
08.021

EXT CW HORIZONTAL/VERTICAL MULLION | **12** | 3" = 1'-0"



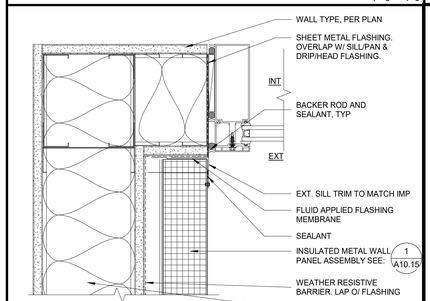
08.028

EXT CW DOOR JAMB @ GLAZING | **7** | 3" = 1'-0"



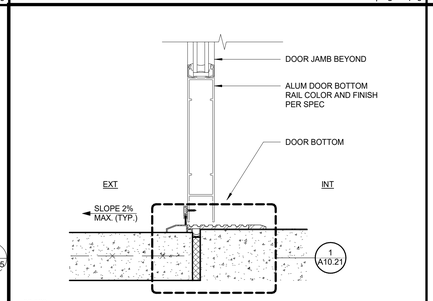
08.017

EXT CW JAMB @ METAL PANEL W/ DRIFT JOINT | **2** | 3" = 1'-0"



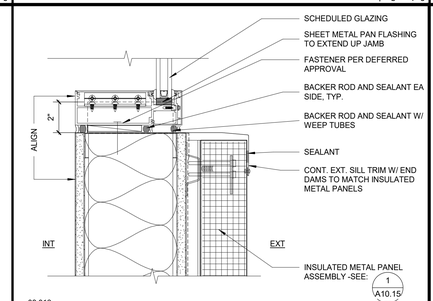
08.101

EXT CW CORNER JAMB - PERP @ METAL PANEL | **16** | 3" = 1'-0"



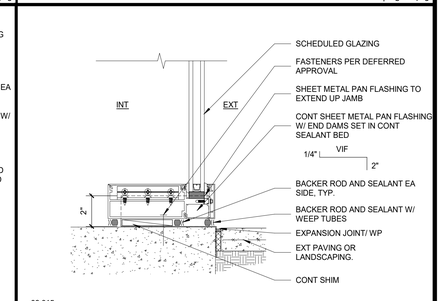
08.020

EXT CW/SF DOOR SILL @ FLOOR | **11** | N.T.S.



08.016

EXT CW SILL @ METAL PANEL | **6** | 3" = 1'-0"



08.015

EXT CW SILL @ SLAB ON GRADE | **1** | 3" = 1'-0"

PLEASE RECYCLE

8/5/2021 9:00:45 AM

AGENCY APPROVAL:

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DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-22 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CURTAINWALL DETAILS

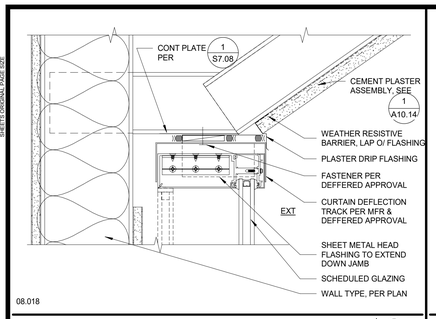
DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

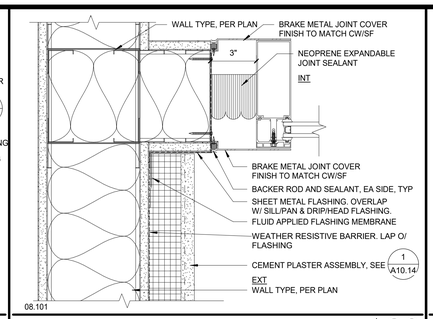
SHEET:

A10.22

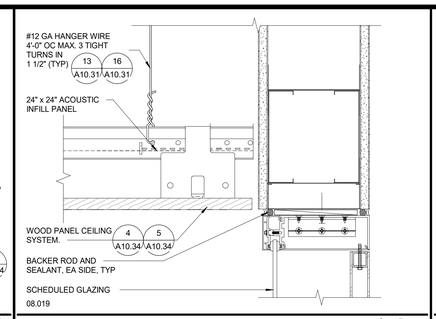
IF THIS LINE SHOWN ABOVE IS NOT 1" LONG, THIS SHEET IS ORIGINAL SIZE ANSI D



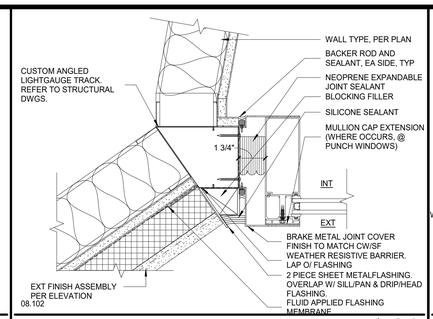
EXT CW MULLION HEAD @ CANTILEVER FRAMING — 25 — 3" = 1'-0"



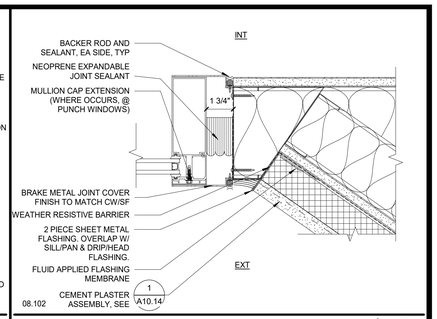
EXT CW JAMB - INTERSECTION @ PLASTER — 20 — 3" = 1'-0"



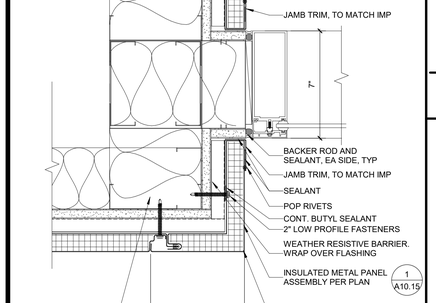
INT CW MULLION HEAD — 15 — 3" = 1'-0"



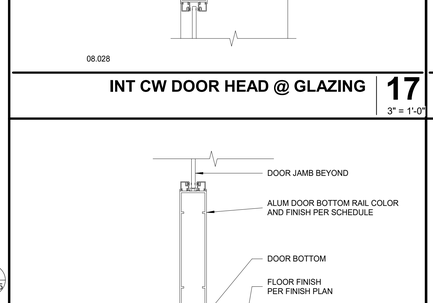
EXT CW JAMB @ CANTILEVER FRAMING 02 — 10 — 3" = 1'-0"



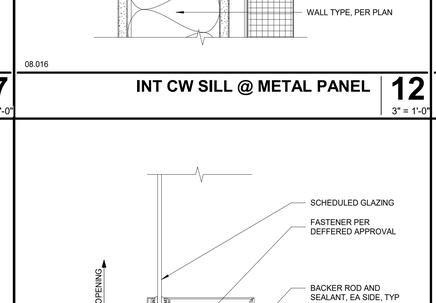
EXT CW JAMB @ CANTILEVER FRAMING 01 — 5 — 3" = 1'-0"



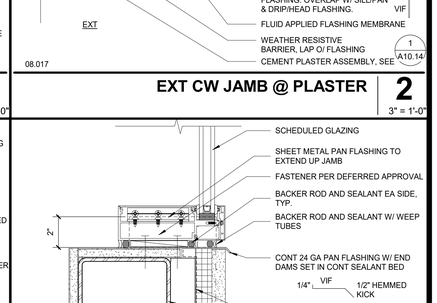
EXT CW SILL @ DOUBLE WALL — 24 — 3" = 1'-0"



EXT CW JAMB - INTERSECTION @ METAL PANEL - 3" IMP — 19 — 3" = 1'-0"



INT CW MULLION @ SLAB EDGE — 14 — 3" = 1'-0"



EXT CW SILL @ PLASTER ENTRY FRAMING — 4 — 1" = 1'-0"

INT CW CORNER JAMB - ANGLED WALL — 23 — 3" = 1'-0"

INT CW JAMB @ METAL PANEL — 18 — 3" = 1'-0"

INT CW HORIZONTAL/VERTICAL MULLION — 13 — 3" = 1'-0"

EXT CW JAMB - PERP @ PLASTER — 3 — 3" = 1'-0"

INT CW JAMB @ PERPENDICULAR WALL — 21 — 3" = 1'-0"

INT CW DOOR HEAD @ GLAZING — 17 — 3" = 1'-0"

INT CW SILL @ METAL PANEL — 12 — 3" = 1'-0"

EXT CW JAMB - PARALLEL @ PLASTER — 7 — 3" = 1'-0"

EXT CW JAMB @ PLASTER — 2 — 3" = 1'-0"

INT CW DOOR SILL @ FLOOR — 16 — N.T.S

INT CW SILL @ SLAB ON GRADE — 11 — 3" = 1'-0"

EXT CW SILL ON CURB @ ROOF INSULATION — 6 — 3" = 1'-0"

EXT CW SILL @ PLASTER — 1 — 3" = 1'-0"

8/9/2021 9:00:54 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CURTAINWALL DETAILS

DSA APPROVAL

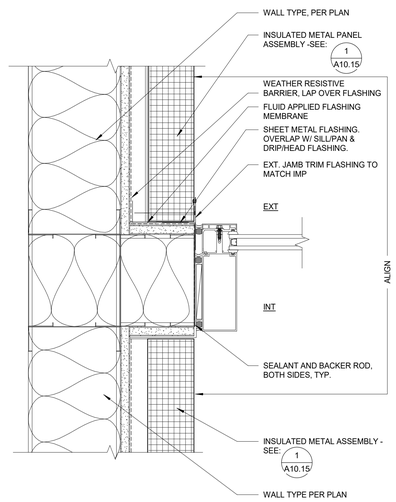
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

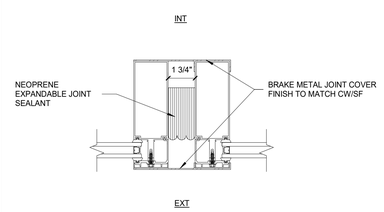
SHEET:

A10.23

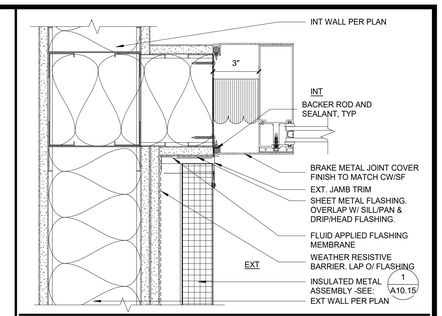
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT IF THIS SHEET IS ORIGINAL SIZE (D)



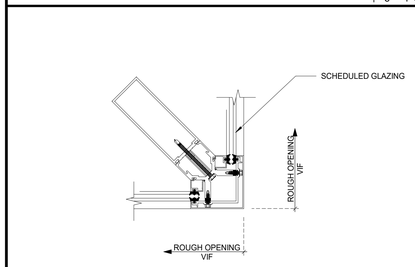
EXT CW JAMB @ PERPENDICULAR WALL - 3" IMP (2" IMP @ SIM) 19 — 3" = 1'-0"



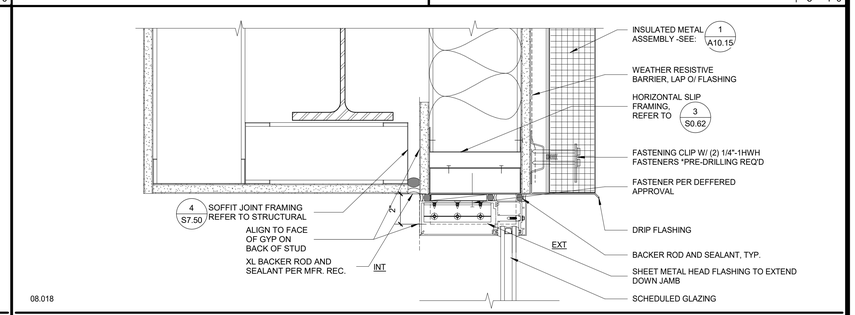
EXT CW DOUBLE JAMB @ DRIFT JOINT 15 — 3" = 1'-0"



EXT CW JAMB - INTERSECTION @ METAL PANEL - 2" IMP 5 — 3" = 1'-0"

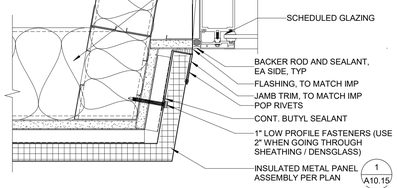


EXT CW CORNER JAMB @ DRIFT JOINT 14 — 3" = 1'-0"



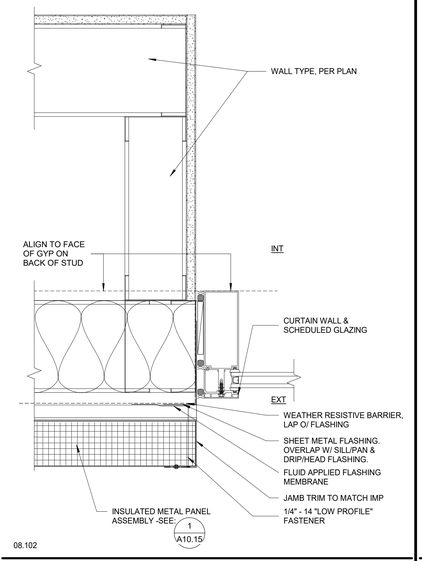
08.018

EXT CW HEAD @ DOUBLE WALL - METAL PANEL 4 — 3" = 1'-0"



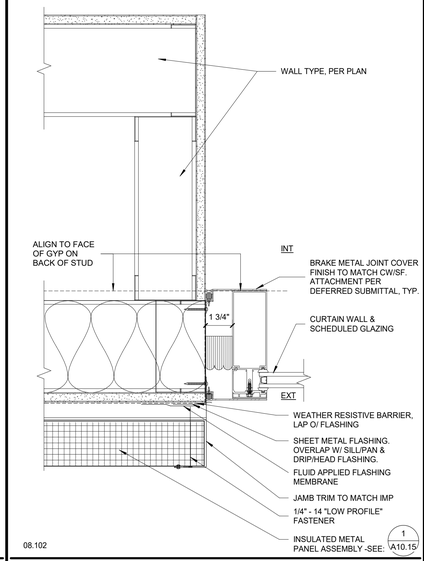
08.017

EXT CW JAMB @ METAL PANEL 18 — 3" = 1'-0"



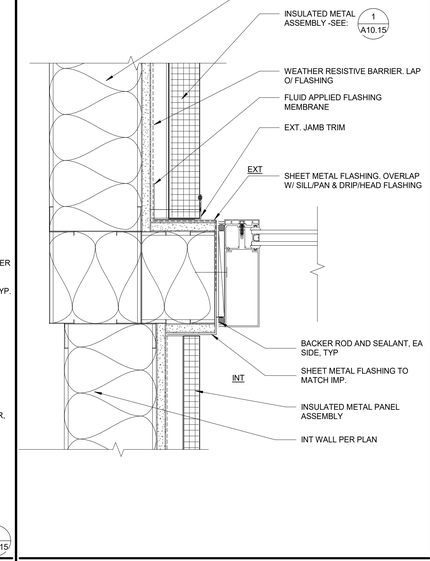
08.102

EXT CW CORNER JAMB - PARALLEL @ METAL PANEL 12 — 3" = 1'-0"

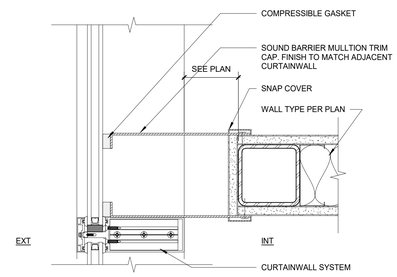


08.102

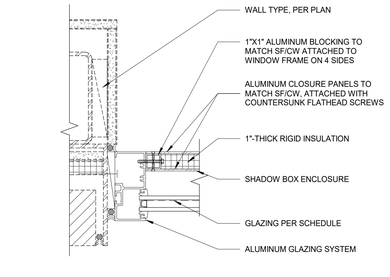
EXT CW CORNER JAMB - PARALLEL @ METAL PANEL W/ DRIFT JOINT 7 — 3" = 1'-0"



EXT CW JAMB @ PERPINDICULAR WALL - 2" IMP 2 — 3" = 1'-0"

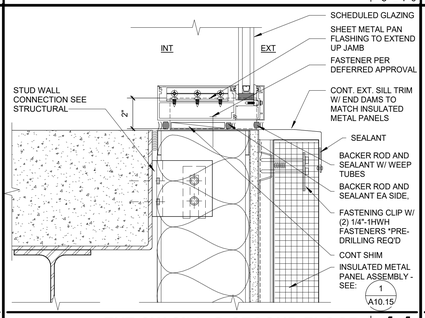


EXT CW MULLION @ SOUND BARRIER CAP - STAFF OFFICE 115Q - 01 22 — 3" = 1'-0"

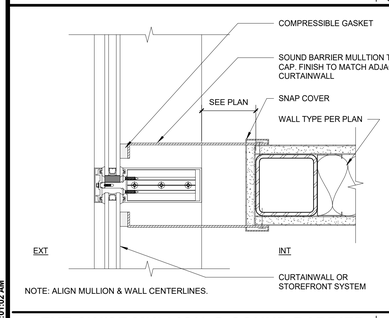


08.412

SHADOW BOX DETAIL, TYP 17 — 3" = 1'-0"



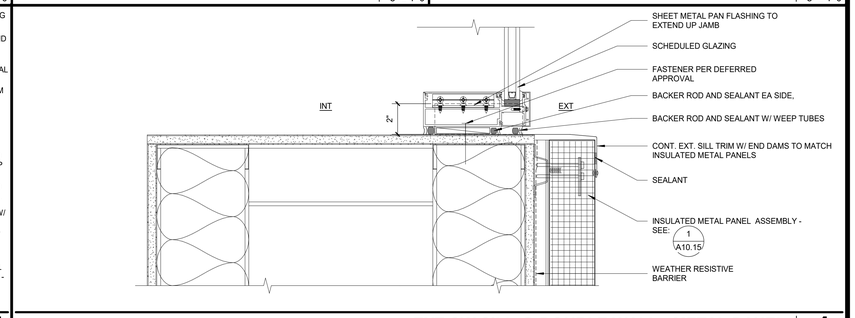
EXT CW SILL @ SECOND FLOOR 11 — 3" = 1'-0"



NOTE: ALIGN MULLION & WALL CENTERLINES.

EXT CW/SF MULLION @ SOUND BARRIER CAP - STAFF OFFICE 115Q - 02 21 — 3" = 1'-0"

INT CW JAMB @ METAL PANEL - ANGLE 16 — 3" = 1'-0"



EXT CW SILL @ DOUBLE WALL - METAL PANEL 1 — 3" = 1'-0"

8/5/2021 9:01:02 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CURTAINWALL DETAILS

DSA APPROVAL

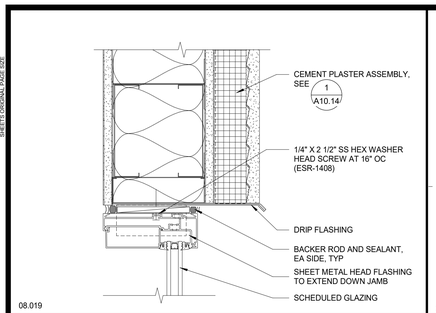
FILE NO.: 36-C1 — A# : 04-119722

DATE: 08.05.2021 — CLIENT PROJ NO:

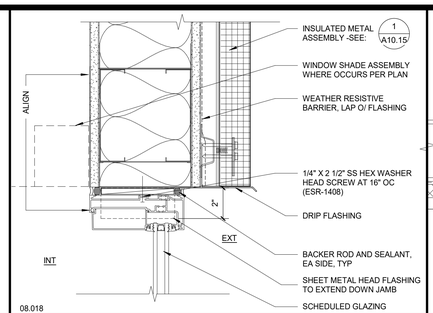
SHEET:

A10.24

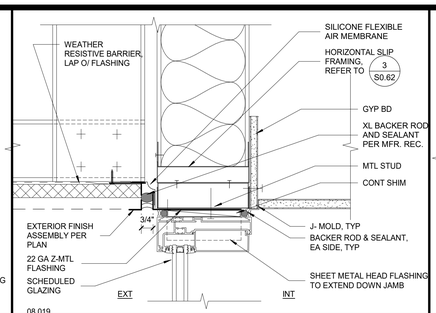
THE LINE SHOWN ABOVE IS THE EXTERIOR FINISH LINE (NOT EXTERIOR SHEET)



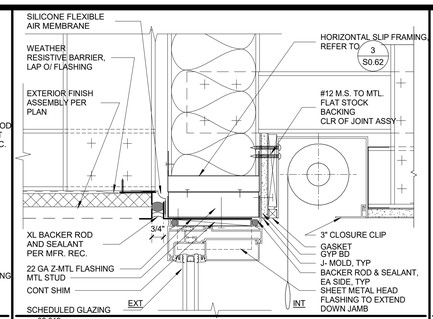
EXT SF HEAD @ PLASTER | 25
3" = 1'-0"



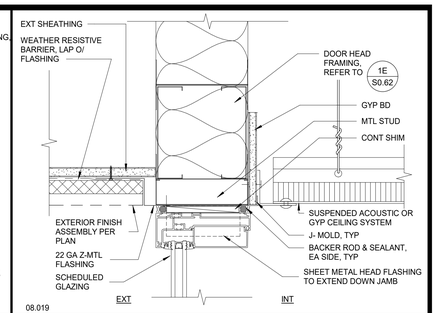
EXT SF MULLION HEAD @ METAL PANEL | 20
3" = 1'-0"



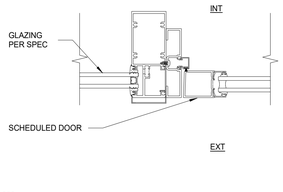
EXT SF MULLION HEAD SLIP JOINT @ SOFFIT | 15
3" = 1'-0"



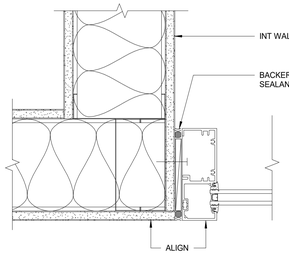
EXT SF MULLION HEAD SLIP JOINT @ SOFFIT SHADE | 10
3" = 1'-0"



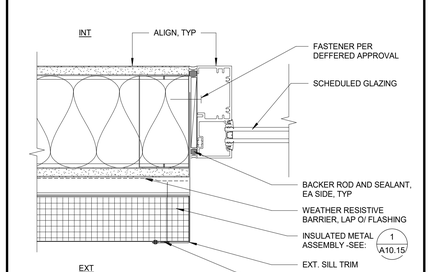
EXT SF MULLION HEAD @ CEILINGS | 5
3" = 1'-0"



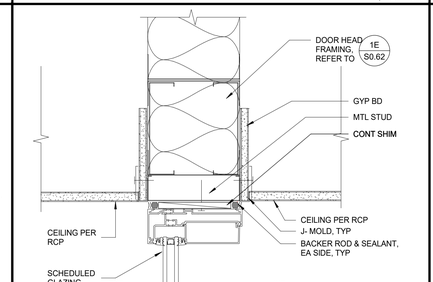
EXT SF DOOR JAMB @ GLAZING | 24
3" = 1'-0"



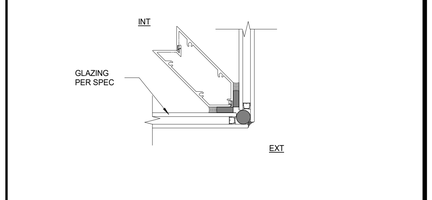
INT SF CORNER JAMB @ WALL CORNER | 19
3" = 1'-0"



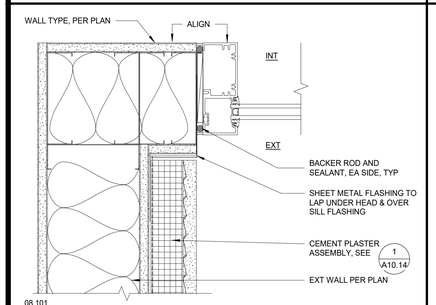
EXT SF JAMB @ METAL PANEL | 14
3" = 1'-0"



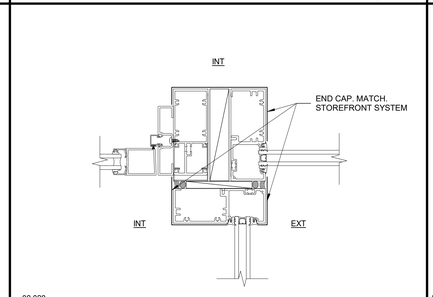
INT SF MULLION HEAD @ CEILING | 9
3" = 1'-0"



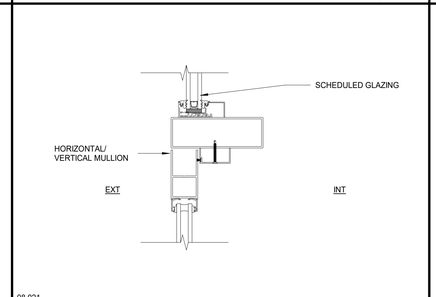
EXT SF CORNER JAMB | 4
3" = 1'-0"



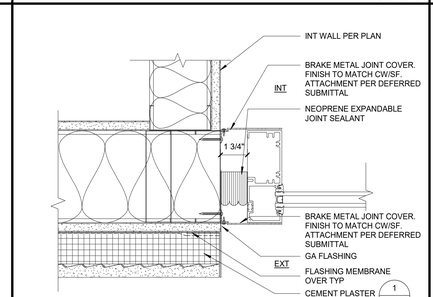
EXT SF CORNER JAMB - PERP @ PLASTER | 23
3" = 1'-0"



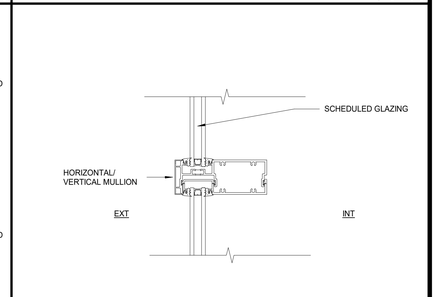
EXT SF MPR/LOBBY INTERSECTION | 18
3" = 1'-0"



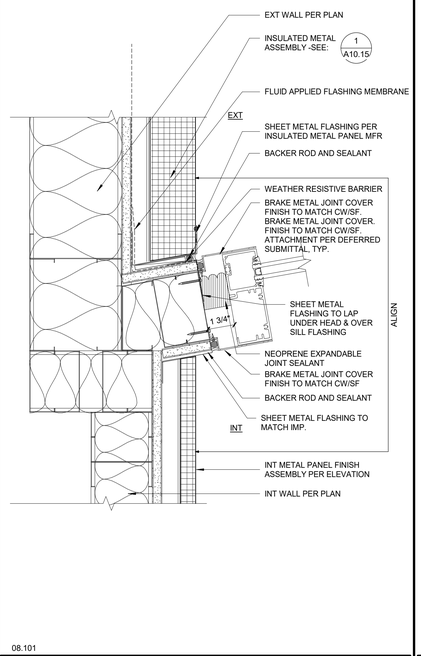
EXT SF DOOR HEAD @ GLAZING | 13
3" = 1'-0"



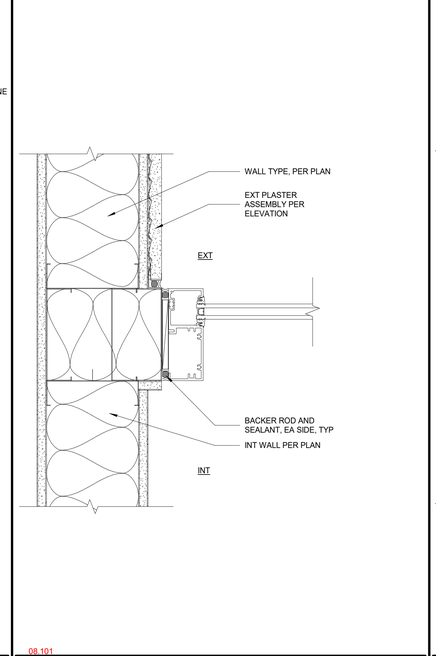
EXT SF CORNER JAMB - PARALLEL @ PLASTER | 8
3" = 1'-0"



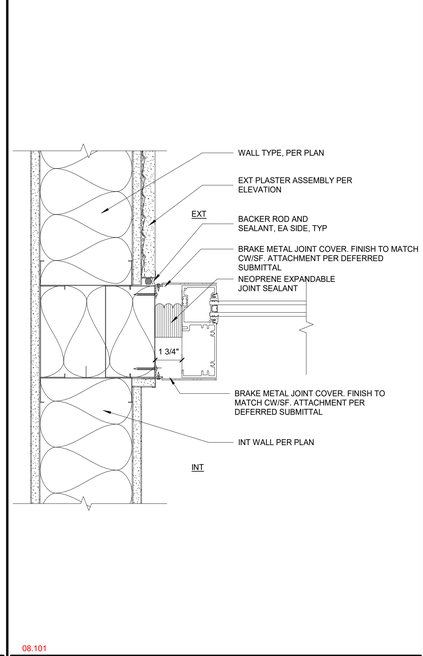
EXT SF HORIZONTAL/VERTICAL MULLION | 3
3" = 1'-0"



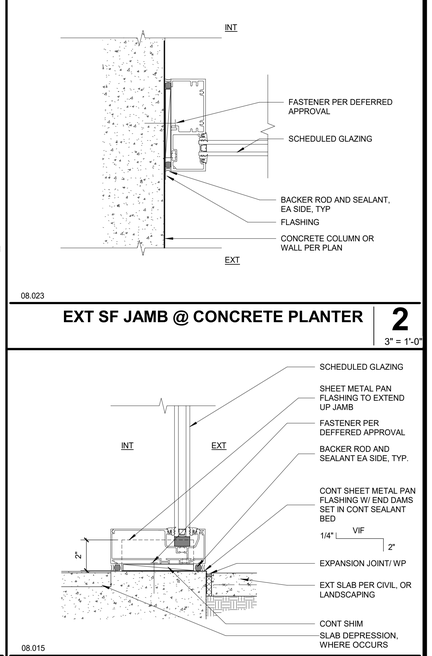
EXT SF JAMB @ ANGLED WALL | 16
3" = 1'-0"



EXT SF JAMB @ PERPINDICULAR WALL | 11
3" = 1'-0"



EXT SF JAMB @ PERPINDICULAR WALL W/ DRIFT JOINT | 6
3" = 1'-0"



EXT SF JAMB @ CONCRETE PLANTER | 2
3" = 1'-0"

EXT SF SILL @ SLAB ON GRADE | 1
3" = 1'-0"

8/5/2021 8:01:11 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

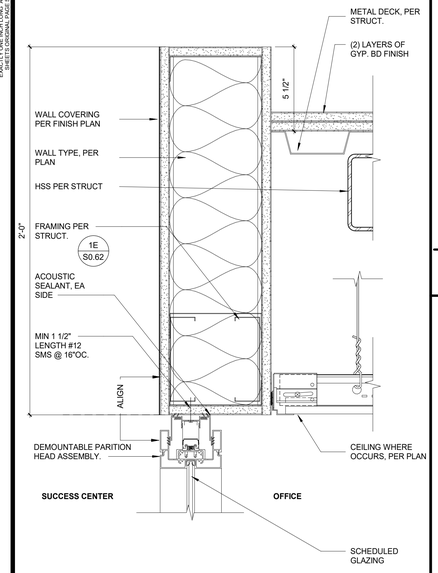
PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
STOREFRONT DETAILS

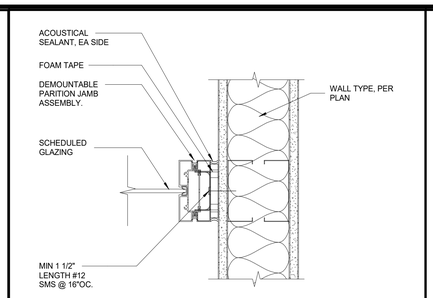
DSA APPROVAL
FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

A10.25

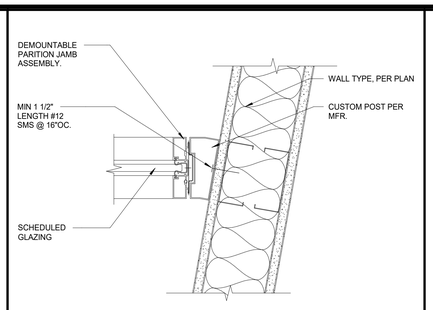
THE LINE SHOWN ABOVE IS 3" WHEN PLOTTED AT FULL SIZE ON SHEETS ORIGINAL SIZE 30X42



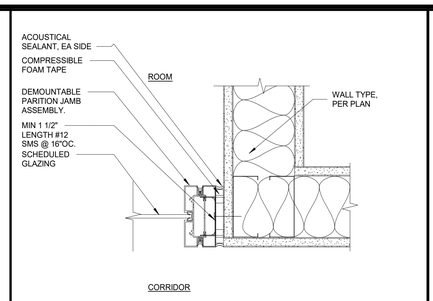
DEMOUNTABLE PARTITION (DP1) - HEAD @ INT PARAPET 24 — 3" = 1'-0"



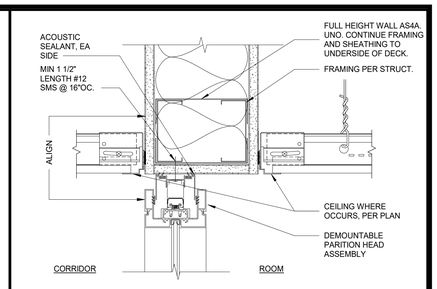
DEMOUNTABLE PARTITION (DP1) - JAMB @ PERP WALL 20 — 3" = 1'-0"



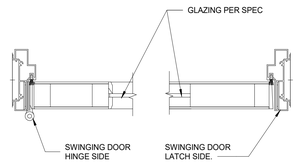
DEMOUNTABLE PARTITION (DP1) - JAMB @ ANGLED WALL 15 — 3" = 1'-0"



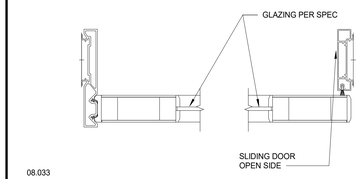
DEMOUNTABLE PARTITION (DP1) - JAMB @ CORNER 10 — 3" = 1'-0"



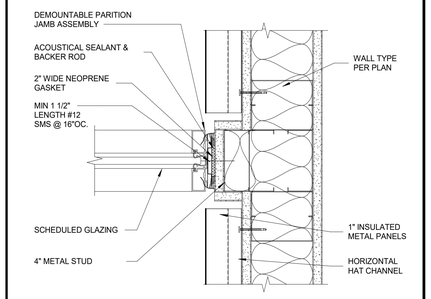
DEMOUNTABLE PARITION (DP1 & DP2) - TYP HEAD 5 — 3" = 1'-0"



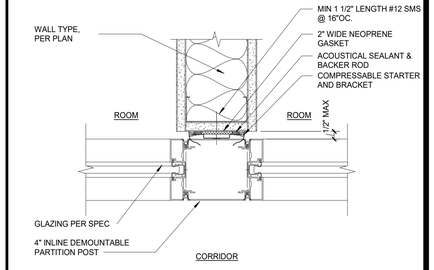
DEMOUNTABLE PARTITION (DP1 & DP2) - SWING DOOR JAMB 19 — 3" = 1'-0"



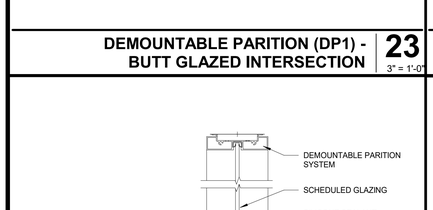
DEMOUNTABLE PARTITION (DP1) - SLIDING DOOR JAMB 14 — 3" = 1'-0"



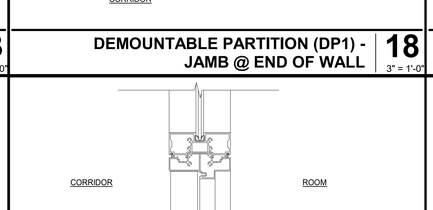
DEMOUNTABLE PARTITION (DP2) - JAMB @ IMP 9 — 3" = 1'-0"



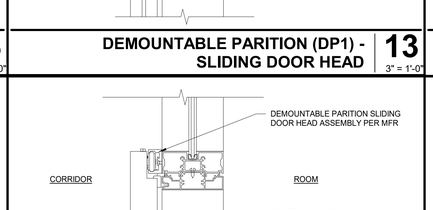
DEMOUNTABLE PARTITION (DP1) - JAMB TRANSITION @ PERP WALL 4 — 3" = 1'-0"



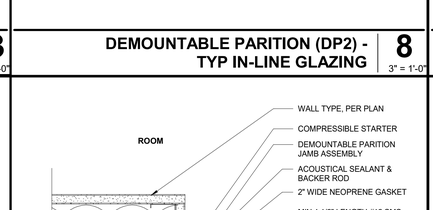
DEMOUNTABLE PARITION (DP1) - BUTT GLAZED INTERSECTION 23 — 3" = 1'-0"



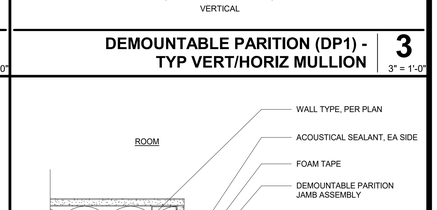
DEMOUNTABLE PARTITION (DP1) - JAMB @ END OF WALL 18 — 3" = 1'-0"



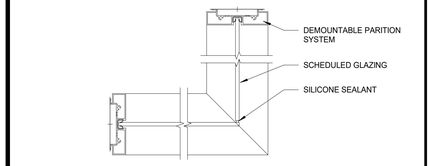
DEMOUNTABLE PARION (DP1) - SLIDING DOOR HEAD 13 — 3" = 1'-0"



DEMOUNTABLE PARION (DP2) - TYP IN-LINE GLAZING 8 — 3" = 1'-0"



DEMOUNTABLE PARION (DP1) - TYP VERT/HORIZ MULLION 3 — 3" = 1'-0"



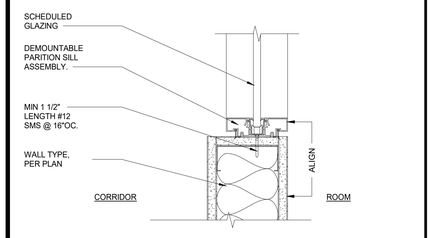
DEMOUNTABLE PARITION (DP1) - GLAZED CORNER 22 — 3" = 1'-0"

DEMOUNTABLE PARITION (DP1 & DP2) - SWINGING DOOR HEAD @ TRANSOM 17 — 3" = 1'-0"

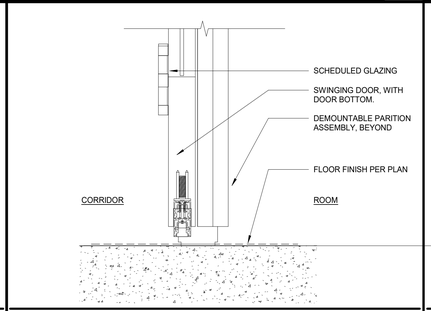
DEMOUNTABLE PARITION (DP1) - SLIDING DOOR HEAD@ TRANSOM 12 — 3" = 1'-0"

DEMOUNTABLE PARTITION (DP2) - TYP JAMB 7 — 3" = 1'-0"

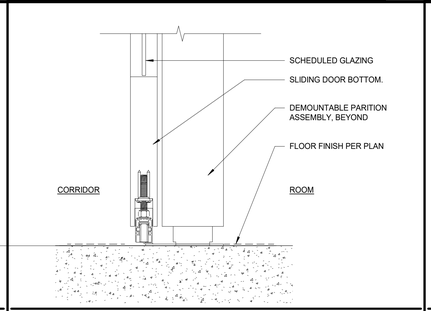
DEMOUNTABLE PARTITION (DP1) - TYP JAMB 2 — 3" = 1'-0"



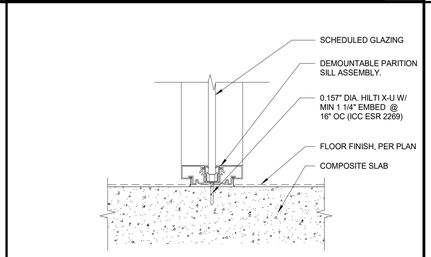
DEMOUNTABLE PARITION (DP1) - SILL @ WALL 21 — 3" = 1'-0"



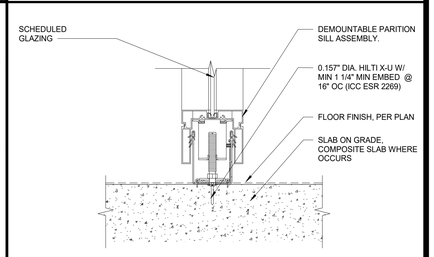
DEMOUNTABLE PARITION (DP1 & DP2) - SWINGING DOOR SILL 16 — 3" = 1'-0"



DEMOUNTABLE PARITION (DP1) - SLIDING DOOR SILL 11 — 3" = 1'-0"



DEMOUNTABLE PARITION (DP2) - SILL 6 — 3" = 1'-0"



DEMOUNTABLE PARITION (DP1) - SILL 1 — 3" = 1'-0"

8/5/2021 9:01:20 AM

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AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

DEMOUNTABLE PARTITION DETAILS

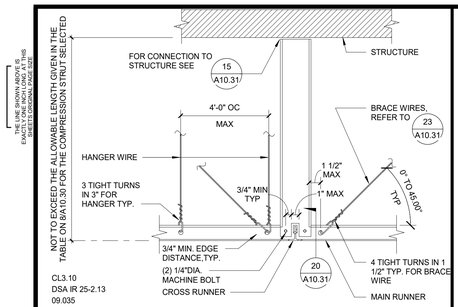
DSA APPROVAL

FILE NO.: 36-C1 — A# : 04-119722

DATE: 08.05.2021 — CLIENT PROJ NO:

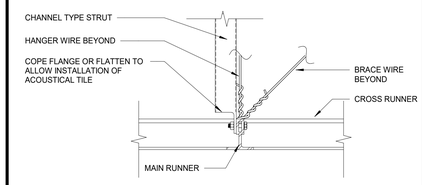
SHEET:

A10.26



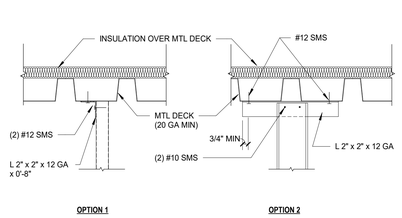
CL3.10
DSA IR 25-2.13
09.035

SUSPENDED ACOUSTICAL CLG - CHANNEL TYPE STRUT | 25
1 1/2" = 1'-0"



CL3.10A
DSA IR 25-2.13
09.032

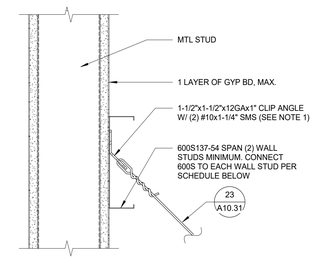
SUSPENDED ACOUSTICAL CLG - CHANNEL TYPE STRUT (SECTION) | 20
3" = 1'-0"



CL5.20
DSA IR 25-2.13
09.028

CHANNEL STRUT

STRUT CONNECTION TO MTL DECK | 15
1 1/2" = 1'-0"



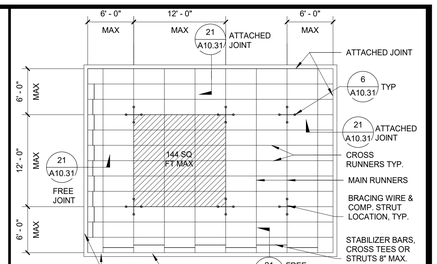
WALL STUD GAUGE	CONNECTION TO WALL STUD (WITH GYP. BD.)	CONNECTION TO WALL STUD (WITHOUT GYP. BD.)
20 GAUGE	(5) #10x1-1/4" SMS	(3) #10x1-1/4" SMS
18 GAUGE	(4) #10x1-1/4" SMS	(2) #10x1-1/4" SMS

NOTES:

1. THE CLIP ANGLE CAN BE ATTACHED DIRECTLY TO THE WALL STUD FLANGE PROVIDED BOTH OF THE FOLLOWING CONDITIONS ARE MET:
   - THE WALL STUD IS 18 GA MIN. AND CAPABLE OF SUPPORTING THE BRACE FORCE.
   - THE BRACE WIRE ALIGNS WITH THE WALL STUD WEB.

CL4.34
DSA IR 25-2.13
09.024

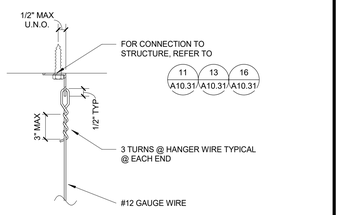
BRACING WIRE CONNECTION TO MTL STUD WALL | 9
3" = 1'-0"



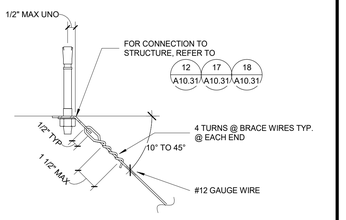
CL2.12
DSA IR 25-2.13
09.021

NOTE:
1. BRACING WIRES AND COMP STRUT SHALL OCCUR AT EVERY 144 SQ FT MAX IN ROOMS OVER 144 SQ FT. BRACING WIRES AND COMP STRUT TO OCCUR AT 12' X 8' (96 SQ FT) MAX @ ALL 2ND FLOOR CEILINGS AND WHERE Z/h>0.5 PER IR 25-2.13.

TYP CLG PLAN FOR BRACE ASSEMBLY SPACING | 5
1/8" = 1'-0"



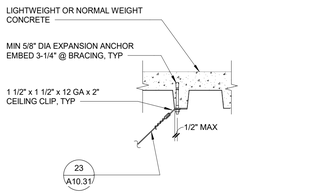
HANGER WIRE



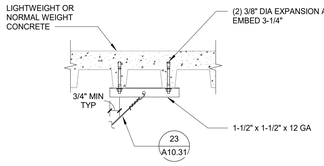
BRACING WIRE

CL4.10
DSA IR 25-2.13
09.034

HANGER AND BRACING WIRE CONNECTION - TYPICAL WIRE TURNS | 23
3" = 1'-0"



OPTION 1

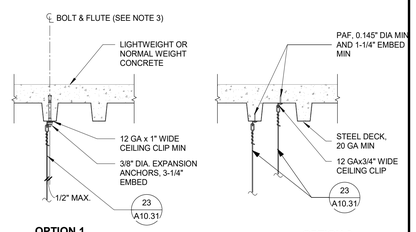


OPTION 2

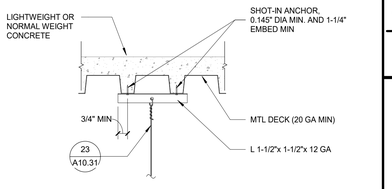
NOTES:
1. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.02
2. REFER TO 23/10.31 FOR ADDITIONAL DETAILS
3. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE.

CL4.31
DSA IR 25-2.13
09.031

BRACING WIRE CONNECTION TO CONCRETE OVER MTL DECK | 18
NTS



OPTION 1 **OPTION 2**



OPTION 3

NOTES:
1. REFER TO 23/A10.31 FOR ADDITIONAL DETAILS.
2. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE.
3. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01 (1/A10.31)

CL4.21
DSA IR 25-2.13
09.027

HANGER WIRE CONNECTION TO CONCRETE OVER MTL DECK | 13
NTS

EMT COMPRESSION STRUT	MAXIMUM LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	5'-10"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	7'-8"
1" DIAMETER EMT (0.057" WALL THICKNESS)	9'-9"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12'-9"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14'-9"
2" DIAMETER EMT (0.065" WALL THICKNESS)	18'-10"

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"

CL3.21
DSA IR 25-2.13
09.023

COMPRESSION STRUT TABLE | 8
3" = 1'-0"

1. CEILING SYSTEM GENERAL NOTES: (HEAVY DUTY)

1.01 Ceiling system components shall comply with ASTM C635-13a and Section 5.1 of ASTM E580-14a.
1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.
1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

TYPICAL ACOUSTICAL CEILING/GRID SYSTEM

MANUFACTURER'S CATALOG NAMES/NO.S (ARMSTRONG or EQUAL):

GRID: HEAVY DUTY 9/16" "SUPRAFINE" SUSPENSION SYSTEM, ICC-ESR 1308/ DSA IR 25-2.13
WALL ANGLE: #7877 SHADOW MOLD (COLOR TO MATCH PANEL SYSTEM)* ESR 1308* *TO BE USED WITH "BERC 2 CLIP" & "SEISMIC RX" SYSTEM BY ARMSTRONG
ADD'L EDGE TRIM: 4"H EDGE TRIM WHERE APPLICABLE (COLOR TO MATCH CLG PANEL)
CEILING TILE: REFER TO FINISH SCHEDULE. FACTORY CUT ALL EDGES @ LIGHT FIXTURES, SEE 2 A10.32

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 ½" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide ¾" 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 A641-09a. Wire shall be #12 gauge (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.
2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-11, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2012.
Material 43 mil (18 gauge) and lighter shall have 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 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 six (6) inches from all unbraced ducts, pipes, conduit, etc.
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 six (vertical) out of plumb shall have counter-sloping 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 rotated as required to align closely with the direction of the wire, screw eyes 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 C1513-13, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.
4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING: All field testing must be performed in the presence of the project inspector.

5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners (PAF) 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.
5.02 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 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 lb. Maximum spacing between supports shall not exceed (8) feet.
6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of (1) #12 gauge slack safety wire connected from the fixture housing to the structure above.
6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of (1) #12 gauge slack safety wire connected from the fixture housing to the structure above.
6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of (2) #12 gauge slack safety wires connected from the fixture housing at diagonal corners to the structure above. Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gauge slack safety wire at each corner.
6.06 All Light fixtures weighing greater than 56 lb. shall be independently supported by not less than (4) taut #12 gauge hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The (4) taut #12 gauge wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting (4) 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 lb. shall have (1) #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 lb. but less than or equal to 56 lb. shall have (2) #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 lb. shall be supported directly from the structure above by not less than (4) taut #12 gauge hanger wires attached from the terminal or service to the structure above or other approved hangers.

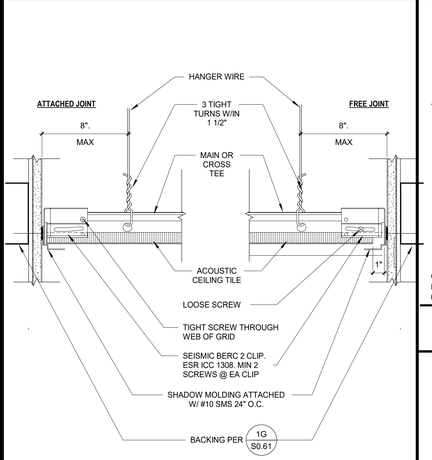
8. OTHER DEVICES WITHIN THE CEILING:

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 (1) #12 gauge slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

(REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION)

09.020

CEILING REQUIREMENTS PER DSA 25-2.13 | 1
NTS

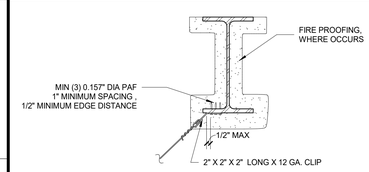


NOTES:

1. PROVIDE #12 GAUGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN (8) INCHES OF THE SUPPORT OR WITHIN (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS. FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS (8) INCHES OR LESS.

09.033

CEILING PERIMETER | 21
3" = 1'-0"

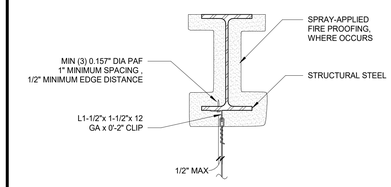


BRACING WIRE

NOTES:
1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16".
2. RDP IN RESPONSIBLE CHARGE, IOR, AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER. SEE ANSI/AISC 341-16.
3. REFER TO 23/A10.31 FOR ADDITIONAL DETAILS

CL4.33
DSA IR 25-2.13
09.030

BRACING WIRE CONNECTION TO STRUCTURAL STEEL | 17
1 1/2" = 1'-0"

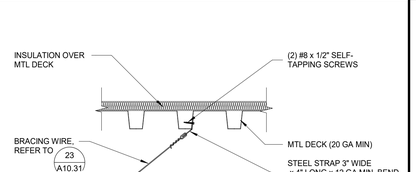


HANGER WIRE

NOTES:
1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16".
2. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER. SEE ANSI/AISC 341-16.
3. REFER TO 23/A10.31 FOR ADDITIONAL DETAILS

CL4.23
DSA IR 25-2.13
09.029

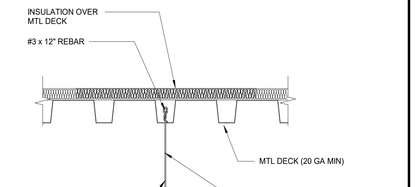
HANGER WIRE CONNECTION TO STRUCTURAL STEEL | 16
1 1/2" = 1'-0"



CL4.30
DSA IR 25-2.13
09.026

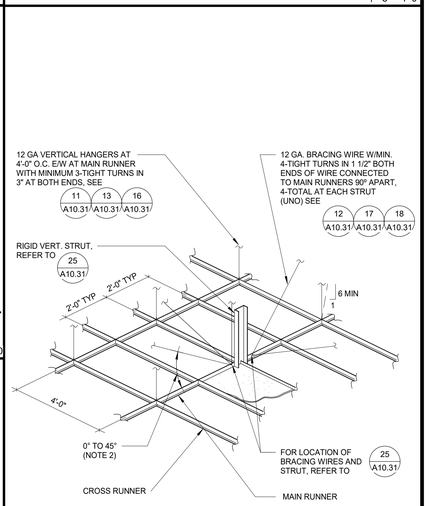
NOTES:
1. IF SELF-TAPPING SCREWS ARE USED WITH CONCRETE FILL, SET SCREWS BEFORE PLACING CONCRETE.

BRACING WIRE CONNECTION AT MTL DECK | 12
1 : 10



CL4.20
DSA IR 25-2.13
09.025

HANGER WIRE CONNECTION TO MTL DECK | 11
1 1/2" = 1'-0"



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. SEE 5 / A10.31 FOR ADDITIONAL INFORMATION.

CL2.35
DSA IR 25-2.13
09.022

SUSPENDED CEILING - SUSPENSION AND BRACING ASSEMBLY | 6
3" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
SUSPENDED ACOUSTICAL CEILING DETAILS (DSA)

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

A10.31

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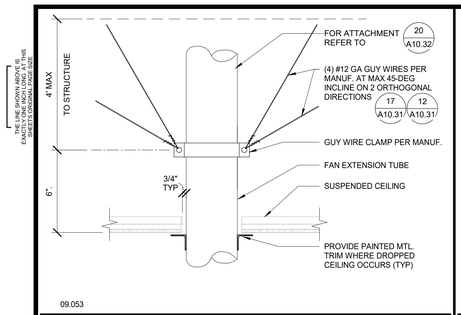
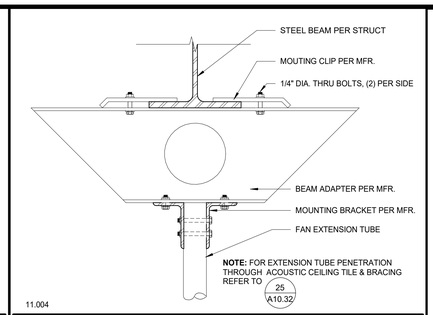


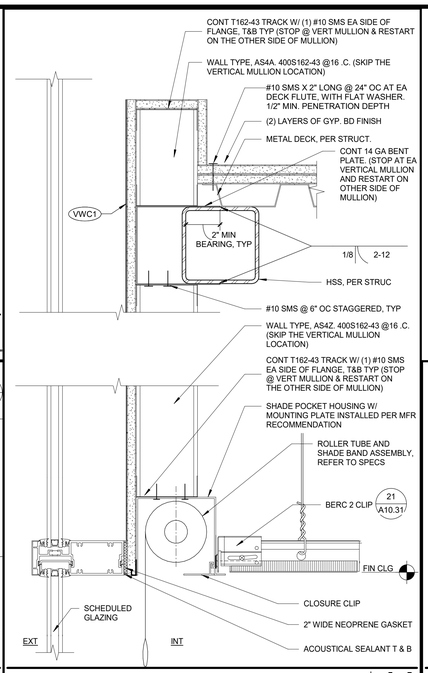
09.053

TRIM DETAIL @ FAN SUPPORT | 25
1" = 1'-0"

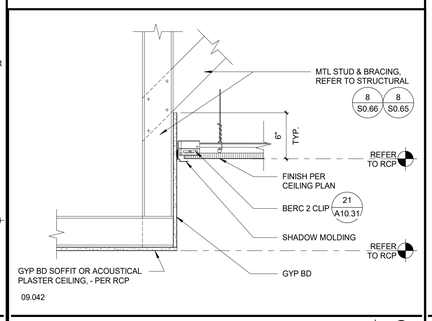


11.004

OVERHEAD FAN MOUNTING DETAIL | 20
1 1/2" = 1'-0"

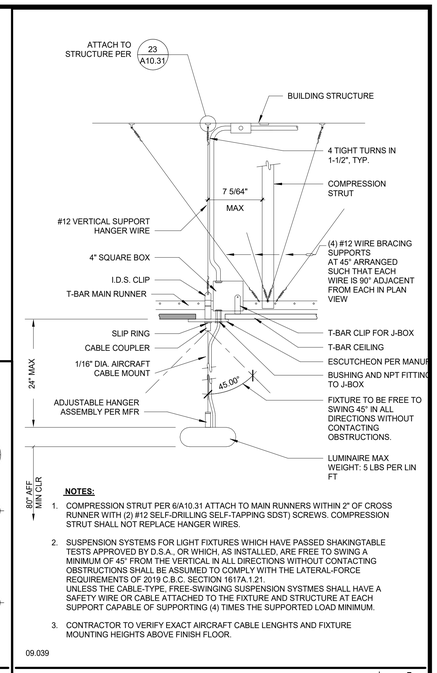


SUCCESS CENTER OFFICES @ CW | 14
3" = 1'-0"



09.042

GYP BD CEILING TO SUSPENDED CEILING | 9
1 1/2" = 1'-0"

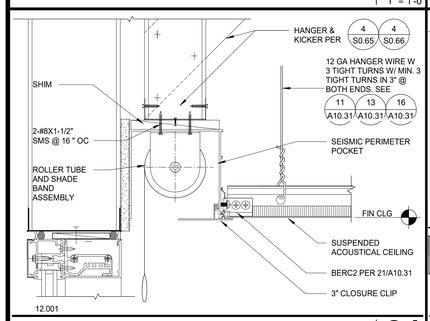


NOTES:

1. COMPRESSION STRUT PER 6/A10.31 ATTACH TO MAIN RUNNERS WITHIN 2" OF CROSS RUNNER WITH (2) #12 SELF-DRILLING SELF-TAPPING SDST) SCREWS. COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRES.
2. SUSPENSION SYSTEMS FOR LIGHT FIXTURES WHICH HAVE PASSED SHAKINGTABLE TESTS APPROVED BY D.S.A., OR WHICH, AS INSTALLED, ARE FREE TO SWING A MINIMUM OF 45° FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS SHALL BE ASSUMED TO COMPLY WITH THE LATERAL-FORCE REQUIREMENTS OF 2019 C.B.C. SECTION 1617A.1.21 UNLESS THE CABLE-TYPE, FREE-SWINGING SUSPENSION SYSTMES SHALL HAVE A SAFETY WIRE OR CABLE ATTACHED TO THE FIXTURE AND STRUCTURE AT EACH SUPPORT CAPABLE OF SUPPORTING (4) TIMES THE SUPPORTED LOAD MINIMUM.
3. CONTRACTOR TO VERIFY EXACT AIRCRAFT CABLE LENGHTS AND FIXTURE MOUNTING HEIGHTS ABOVE FINISH FLOOR.

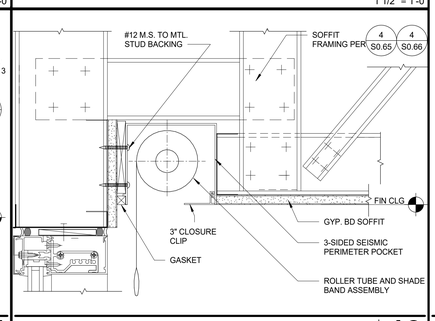
09.039

PENDANT LIGHT FIXTURE SUPPORT | 4
1 1/2" = 1'-0"

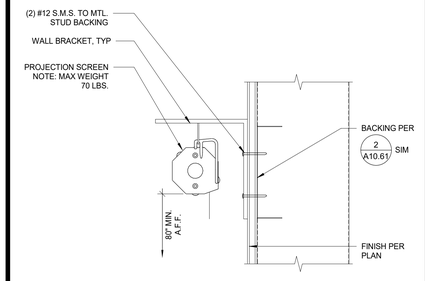


12.001

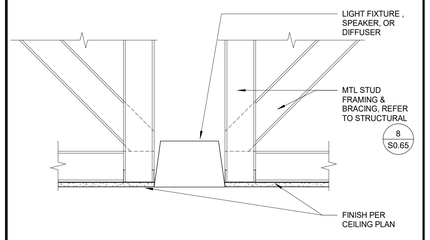
RECESSED WINDOW SHADE AT ACOUSTICAL CEILING TILE | 24
3" = 1'-0"



RECESSED WINDOW SHADE AT GYP BD SOFFIT | 19
3" = 1'-0"

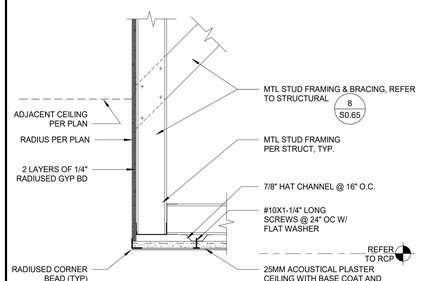


WALL MTD PROJECTION SCREEN @ MTL STUD | 23
3" = 1'-0"

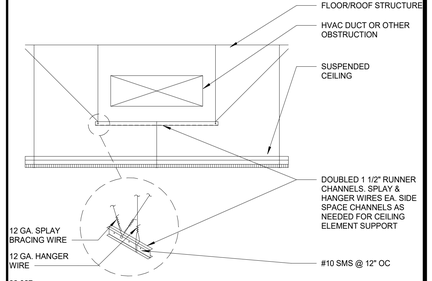


09.050 **NOTE:** THIS DETAIL APPLIES FOR ALL BREAKS IN FRAMING AT HARD LID CEILINGS

RECESSED FIXTURE @ FRAMED CEILING | 18
1 1/2" = 1'-0"

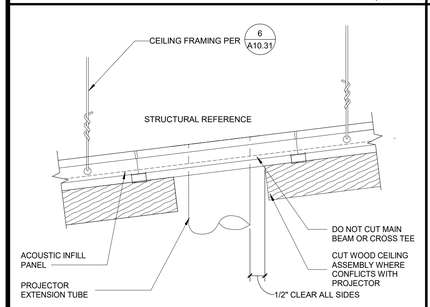


RADIUSED SOFFIT @ EVENT SPACE | 8
1 1/2" = 1'-0"

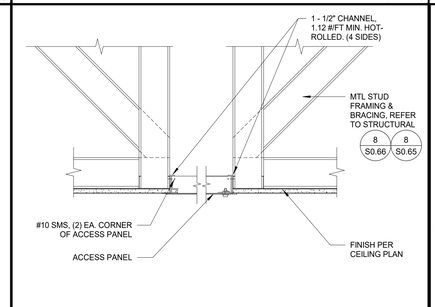


09.067

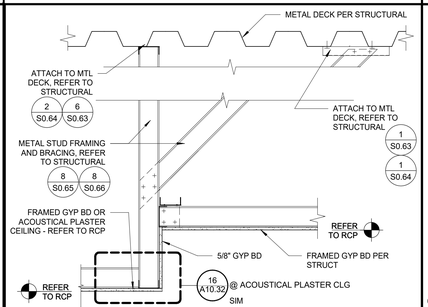
TYP. CEILING SUPPORT AT OBSTRUCTION | 3
1" = 1'-0"



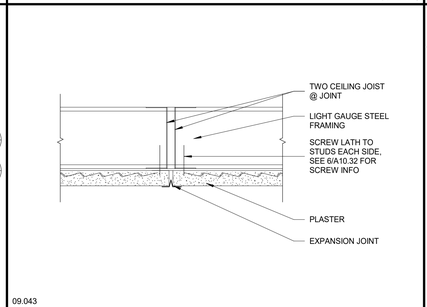
WOOD GRILLE CEILING PROJECTOR TRIM | 22
3" = 1'-0"



ACCESS PANEL @ FRAMED CEILING | 17
1 1/2" = 1'-0"

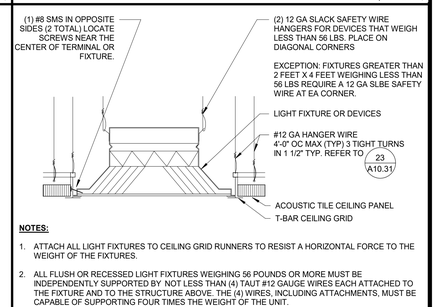


FRAMED GYP CLG TO FRAMED CLG DETAIL | 12
1" = 1'-0"



09.043

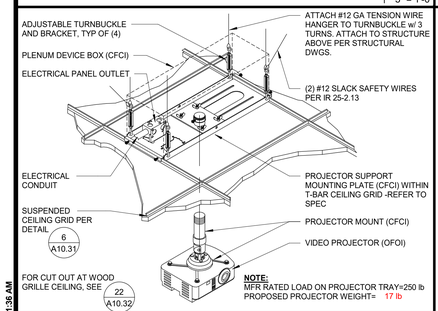
CEILING PLASTER EXPANSION JOINT | 5
3" = 1'-0"



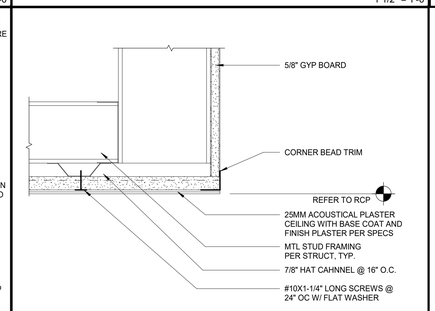
NOTES:

1. ATTACH ALL LIGHT FIXTURES TO CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE TO THE WEIGHT OF THE FIXTURES.
2. ALL FLUSH OR RECESSED LIGHT FIXTURES WEIGHING 56 POUNDS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN (4) TAUT #12 GAUGE WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE. THE (4) WIRES, INCLUDING ATTACHMENTS, MUST BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE UNIT.

TYP FIXTURE OR DEVICE @ SUSP GRID CLG | 2
1 1/2" = 1'-0"

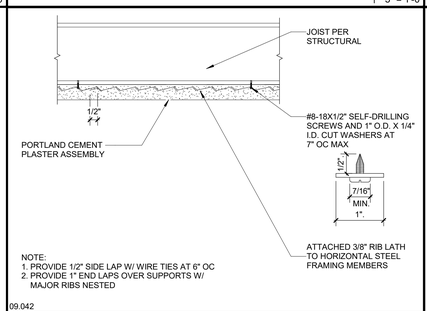


CEILING MTD PROJECTOR MOUNT DETAIL - ISOMETRIC | 21
1" = 1'-0"



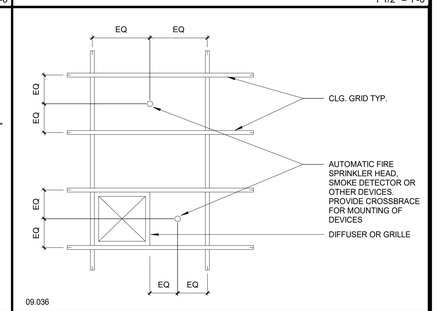
ACOUSTICAL PLASTER CEILING TO GYP SOFFIT INT | 16
3" = 1'-0"

speak mounting detail needed here



09.042

PLASTER CEILING ATTACHED TO JOIST | 6
3" = 1'-0"



09.036

HORIZONTAL CONTROL FOR CLG DEVICES | 1
1 1/2" = 1'-0"

8/6/2021 9:01:36 AM

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HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

CEILING DETAILS

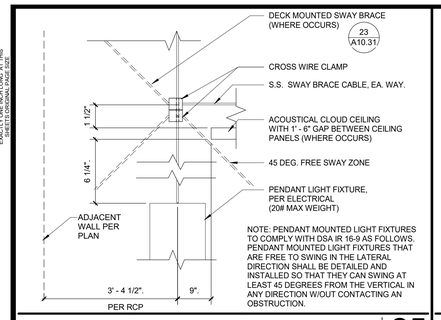
DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

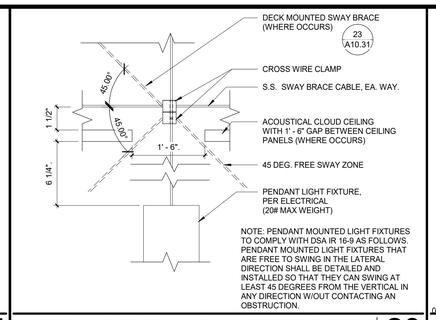
DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

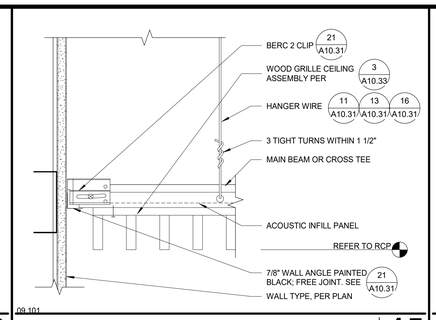
A10.32



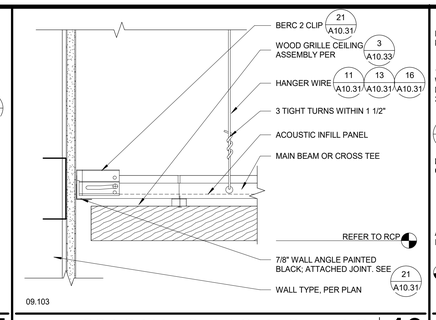
LINEAR LIGHT FIXUTER SWAY BRACE AT ADJACENT WALL — 25 — 3" = 1'-0"



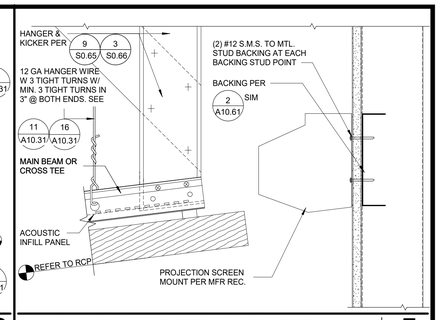
TYP. LINEAR LIGHT FIXUTER SWAY BRACE — 20 — 3" = 1'-0"



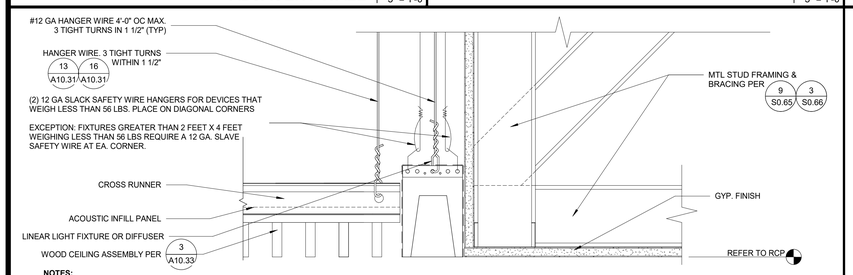
WOOD GRILLE CEILING END @ WALL — 15 — 3" = 1'-0"



WOOD GRILLE CEILING FLUSH END @ WALL — 10 — 3" = 1'-0"

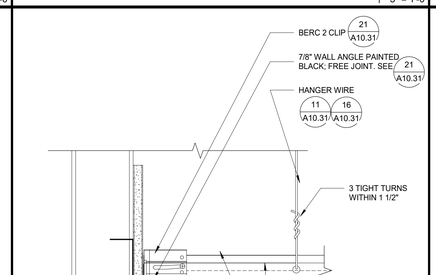


WALL MOUNTED PROJECTION SCREEN AT WOOD GRILLE CEILING — 5 — 3" = 1'-0"

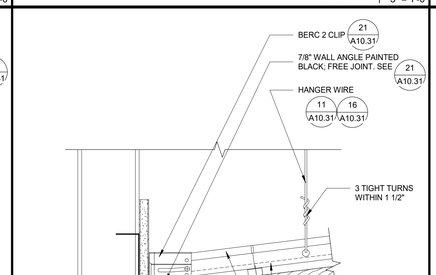


NOTES:
1. ATTACH ALL DIFFUSERS TO CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE TO THE WEIGHT OF THE FIXTURES.
2. ALL FLUSH OR RECESSED DIFFUSERS WEIGHING 56 LBS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN (4) TAUT #12 GAUGE WIRES ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE. THE (4) WIRES, INCLUDING ATTACHMENTS, MUST BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE UNIT.

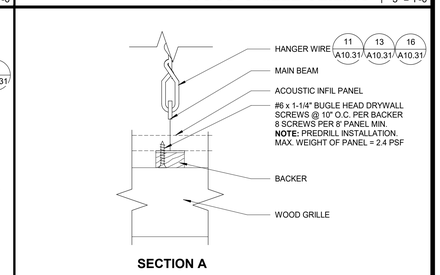
WOOD GRILLE CEILING FLUSH @ WALL — 19 — 3" = 1'-0"



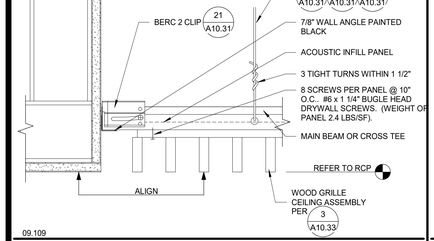
WOOD GRILLE CEILING END @ SOFFIT — 13 — 3" = 1'-0"



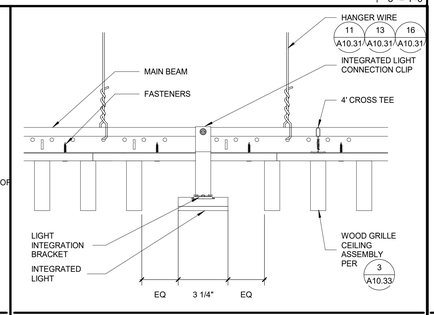
WOOD GRILLE CEILING FLUSH END @ SOFFIT — 8 — 3" = 1'-0"



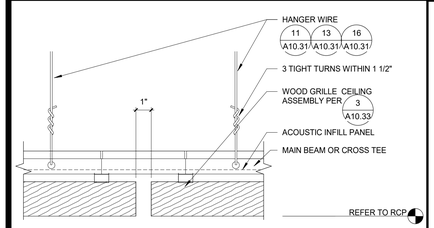
WOOD GRILLE CEILING PANEL ATTACHMENT — 3 — 6" = 1'-0"



WOOD GRILLE CEILING FLUSH @ SOFFIT — 23 — 3" = 1'-0"

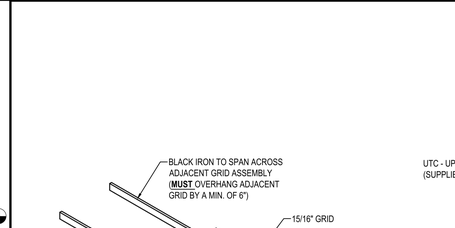


TYP LINEAR INTEGRATED LIGHT FIXTURE @ WOOD GRILLE CEILING — 18 — 3" = 1'-0"



NOTE: PROVIDE EQUAL GAPS BETWEEN PANELS IN EACH ROOM
09.105

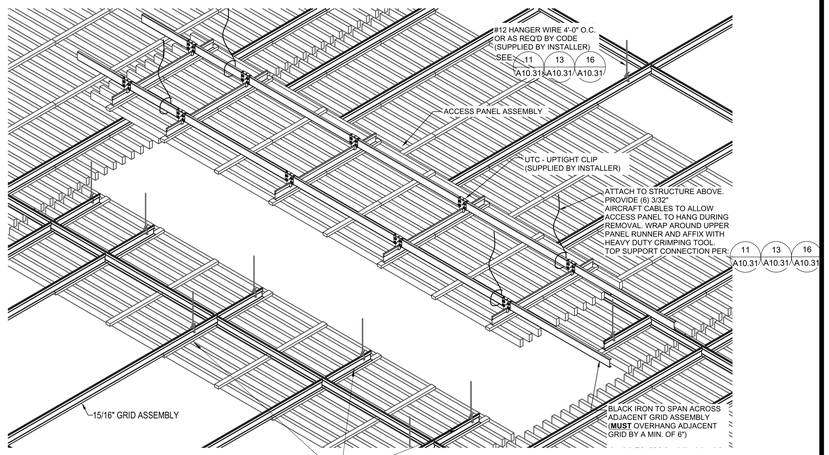
WOOD GRILLE CEILING - PANEL TO PANEL GAP — 22 — 3" = 1'-0"



WOOD GRILLE CEILING - TOP END TERMINATION - MPR — 21 — 3" = 1'-0"

FOR ADDITIONAL INFORMATION, SEE 3 A10.33

WOOD GRILLE CEILING - LINEAR ACCESS PANEL — 11 — N.T.S



PROVIDE BRACING, SUSPENSION, AND COMPRESSION STRUT REQUIREMENTS PER: 5 A10.31 ADDITIONAL BRACING, SUSPENSION AND COMPRESSION STRUTS REQUIRED AROUND PERIMETER OF ACCESS PANEL

WHERE RUNNERS ARE CUT FOR ACCESS PANEL FOR ADDITIONAL INFORMATION SEE DTL: 11 A10.33

FOR ADDITIONAL INFORMATION, SEE 3 A10.33

WOOD GRILLE CEILING — 1 — N.T.S

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
CEILING DETAILS

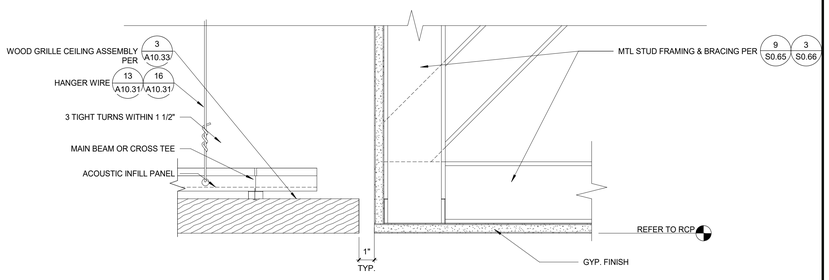
DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:

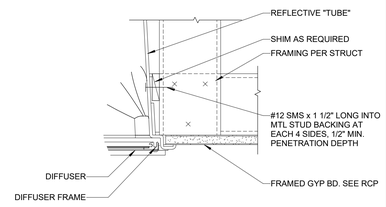
SHEET:

A10.33

THE LINE SHOWN ABOVE IS TO BE USED FOR SCALING THIS SHEET'S ORIGINAL SIZE (D/2)

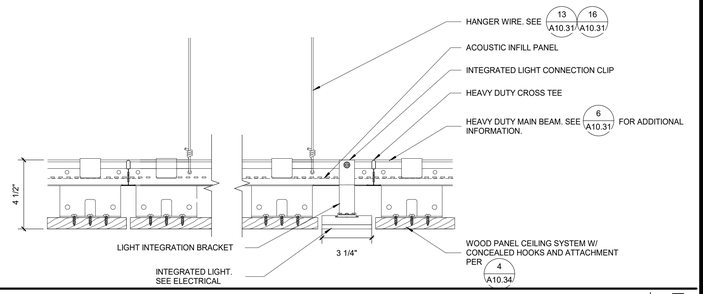


WD CEILING FLUSH @ WALL | 20
3" = 1'-0"

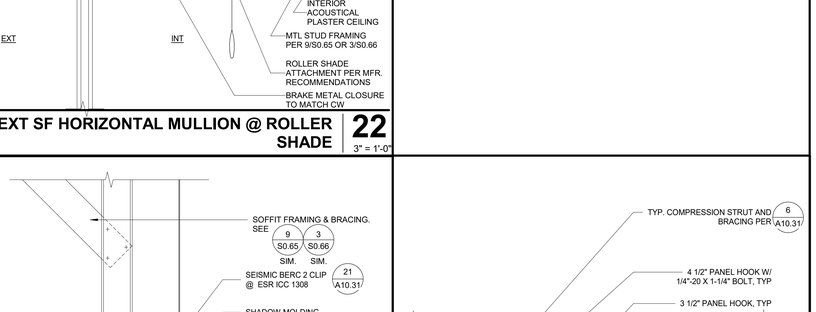


09.002

TUBULAR SKYLIGHT DIFFUSER @ FRAMED CEILING | 15
3" = 1'-0"

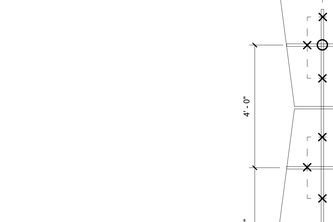


WOOD PANEL CEILING @ FLUSH FIXTURE | 5
3" = 1'-0"



NOTES:
1. ATTACH ALL DIFFUSERS TO CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE TO THE WEIGHT OF THE FIXTURES.
2. ALL FLUSH OR RECESSED DIFFUSERS WEIGHING 56 LBS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN (4) TAUT #12 GAUGE WIRES ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE. THE (4) WIRES, INCLUDING ATTACHMENTS, MUST BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE UNIT.
3. SEE 6 / A10.31 FOR ADDITIONAL INFORMATION

LINEAR DIFFUSER @ ACT | 19
3" = 1'-0"



09.001

TUBULAR SKYLIGHT DIFFUSER @ ACOUSTICAL CEILING | 14
3" = 1'-0"

Item No.	Description	Dimensions (Inches)
5986	T-Bar Hook†	Nominal 4 x 2 x 3"
7123	Wood Screws	5/8"

† For 24" x 48" panel, install 4 hooks; for 24" x 72" panel, install 6 hooks; for 24" x 96" panel, install 8 hooks.
NOTE: Three screws per hook.

WOOD PANEL CEILING ATTACHMENT | 4
3" = 1'-0"

NOTES:
1. ATTACH ALL DIFFUSERS TO CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE TO THE WEIGHT OF THE FIXTURES.
2. ALL FLUSH OR RECESSED DIFFUSERS WEIGHING 56 LBS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN (4) TAUT #12 GAUGE WIRES ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE. THE (4) WIRES, INCLUDING ATTACHMENTS, MUST BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE UNIT.
3. SEE 6 / A10.31 FOR ADDITIONAL INFORMATION.

INFILL PIECE @ ACT TECHZONE | 18
3" = 1'-0"

3 PANEL

6 PANEL

6 PANEL

TYPICAL 9 PANEL

X = PANEL HOOK LOCATIONS

O = COMPRESSION STRUTS & LATERAL BRACING PER

NOTE: CLOUDS SHALL BE BRACED IN BOTH DIRECTIONS TO PREVENT HITTING EACH OTHER. FOR BRACING OF LIGHTING FIXTURES BETWEEN CEILING, SEE 6 A10.31

ACOUSTIC CEILING - SPC1 | 1
1/2" = 1'-0"

EXT SF HORIZONTAL MULLION @ ROLLER SHADE | 22
3" = 1'-0"

09.042

GYP TO SUSPENDED CEILING | 21
1 1/2" = 1'-0"

CLOUD CEILING PANEL SECTION | 16
3/4" = 1'-0"

8/5/2021 9:01:51 AM

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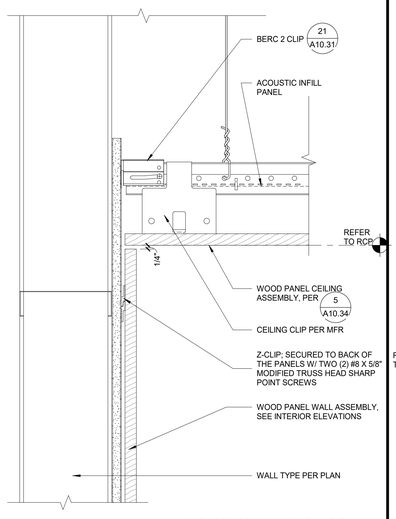
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

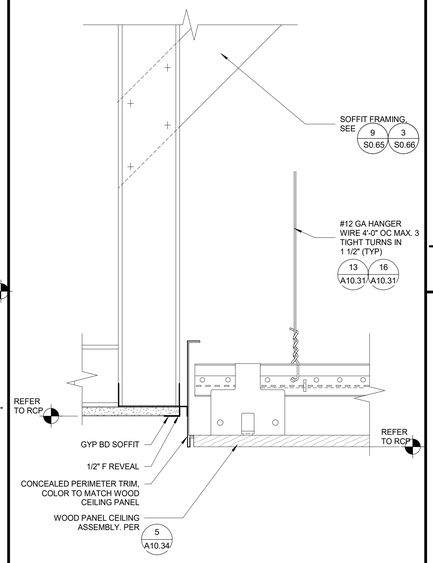
A10.34

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, SHEETS ORIGINAL SIZE ADJ.

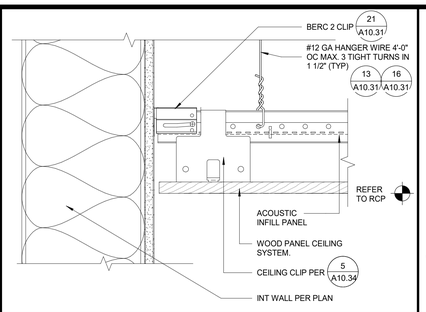


NOTE: PROVIDE EDGE BINDING @ ALL END CONDITIONS

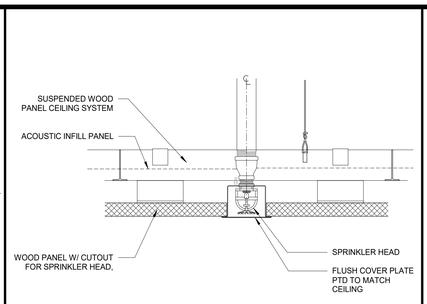
WOOD WALL PANEL - CEILING CORNER | 24
3" = 1'-0"



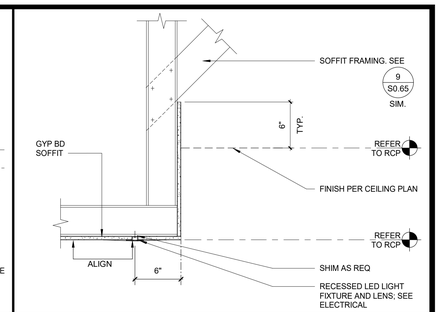
WOOD PANEL CEILING - SOFFIT TRANSITION | 19
3" = 1'-0"



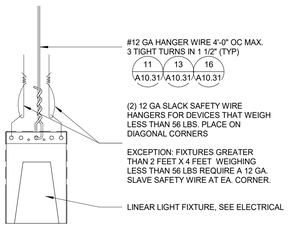
WOOD CEILING PANEL @ STUD WALL | 15
3" = 1'-0"



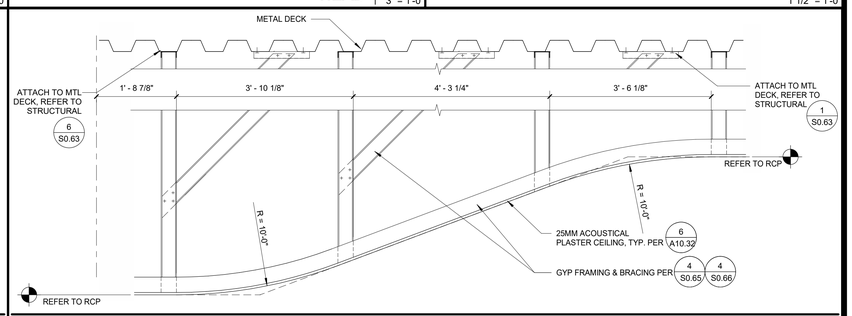
WOOD CEILING PANEL @ FIRE SPRINKLER HEAD | 10
3" = 1'-0"



EDGE LIGHTING AT GYP BD SOFFIT | 5
1 1/2" = 1'-0"



TYP LINEAR LIGHT FIXTURE HUNG FROM OPEN CEILING CROSS SECTION | 14
3" = 1'-0"



CURVED CEILING AT MPR | 4
3/4" = 1'-0"

NOTE: PROVIDE EDGE BINDING @ ALL END CONDITIONS

WOOD WALL PANEL - HORIZONTAL JOINT | 23
3" = 1'-0"

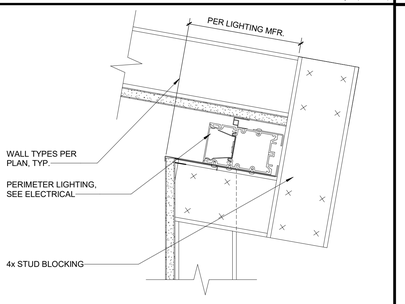
WOOD WALL PANEL - LIGHT FIXTURE | 18
3" = 1'-0"

NOTE: PROVIDE EDGE BINDING @ ALL END CONDITIONS

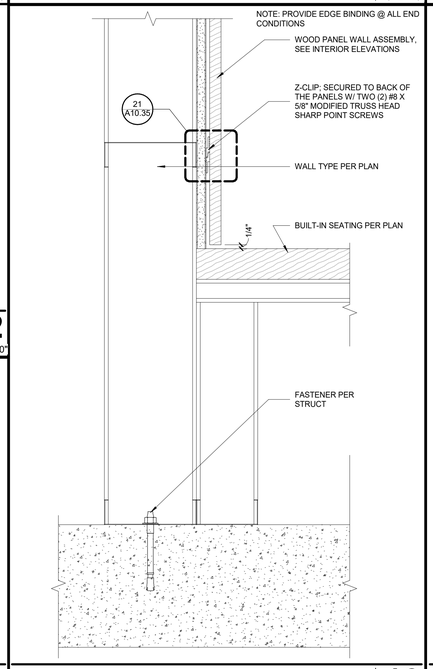
WOOD WALL PANEL - WALL CORNER | 13
3" = 1'-0"

COVE LIGHTING DETAIL | 8
1" = 1'-0"

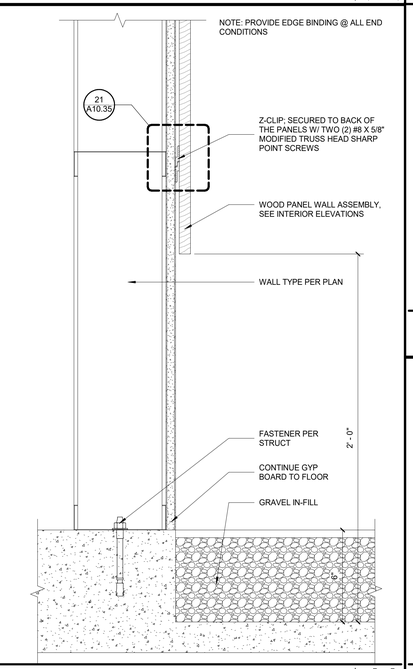
SKYLIGHT TO ACT SOFFIT | 3
1 1/2" = 1'-0"



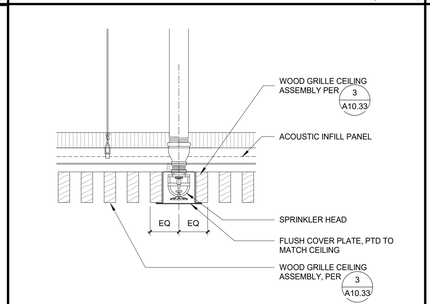
WALL MOUNTED COVE LIGHTING DETAIL - PLAN VIEW | 22
3" = 1'-0"



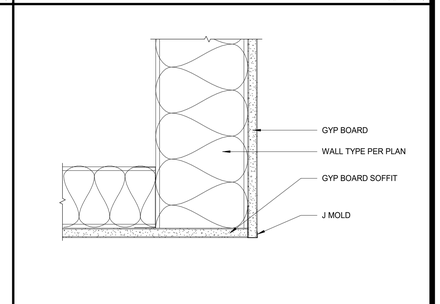
WOOD WALL PANEL @ LOBBY - BENCH | 16
3" = 1'-0"



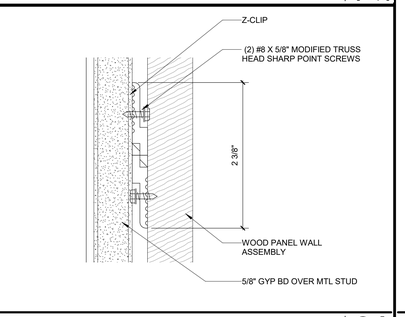
WOOD WALL PANEL @ LOBBY - GRAVEL PIT | 11
3" = 1'-0"



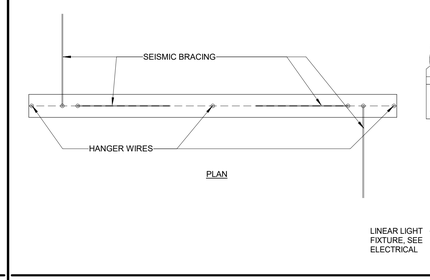
FIRE SPRINKLER HEAD @ WOOD GRILLE CEILING | 7
3" = 1'-0"



GYP WALL TO GYP SOFFIT INT | 2
3" = 1'-0"



Z CLIP AT WOOD WALL PANEL | 21
12" = 1'-0"



TYP LINEAR LIGHT FIXTURE HUNG FROM OPEN CEILING | 1
1 1/2" = 1'-0"

PLEASE RECYCLE

8/5/2021 9:01:39 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
CEILING/ WOOD WALL DETAILS

DSA APPROVAL

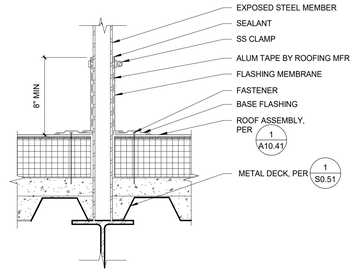
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

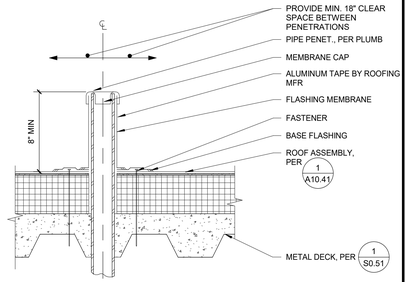
A10.35

THE LINE SHOWN ABOVE IS 3" LONG ON ORIGINAL SHEETS. IF THIS SHEET IS ORIGINAL SPACE SIZE



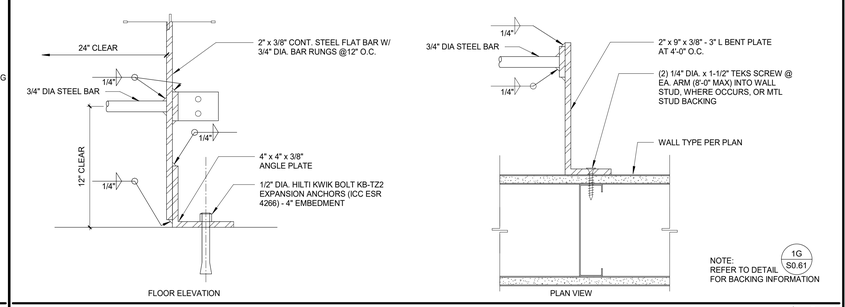
07.015

TYPICAL PENETRATION AT ROOF | 25
1 1/2" = 1'-0"

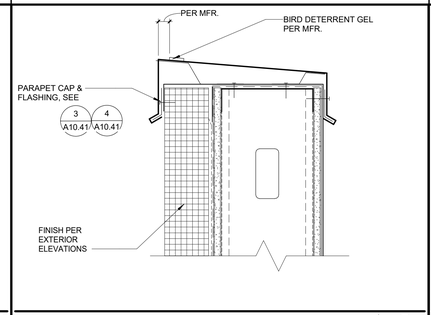


07.024

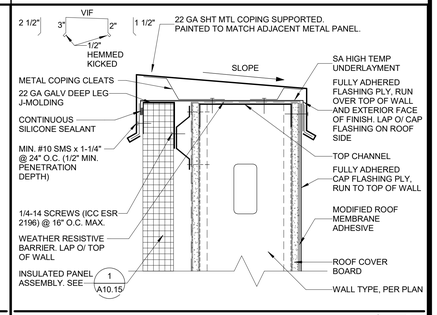
VENT STACK FLASHING | 24
1 1/2" = 1'-0"



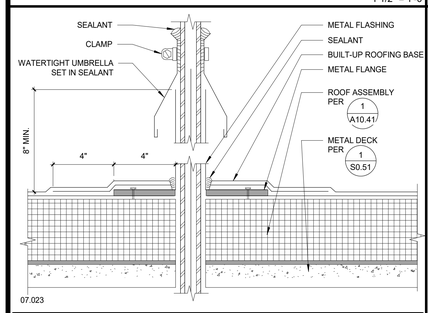
STL LADDER AT MTL STUD WALL | 14
3" = 1'-0"



BIRD DETERRENT GEL AT PARAPET | 9
3" = 1'-0"

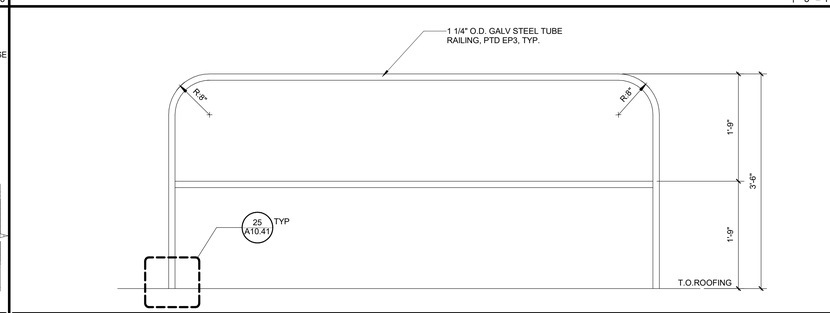


METAL PANEL - PARAPET COPING | 4
3" = 1'-0"

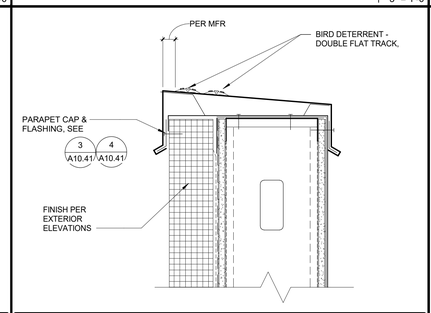


07.023

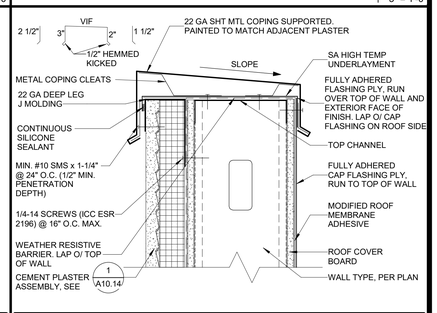
CONDUIT / SMALL PIPE PENETRATION | 23
3" = 1'-0"



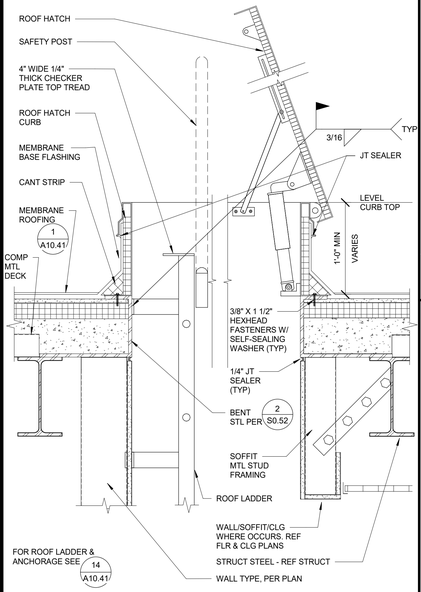
GUARDRAIL AT ROOF HATCH - ELEVATION | 13
1" = 1'-0"



BIRD DETERRENT TRACK AT PARAPET | 8
3" = 1'-0"

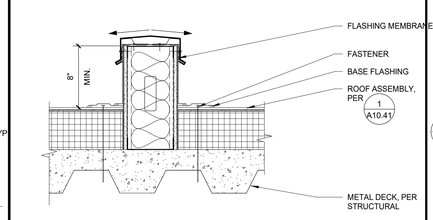


PLASTER - PARAPET COPING | 3
3" = 1'-0"



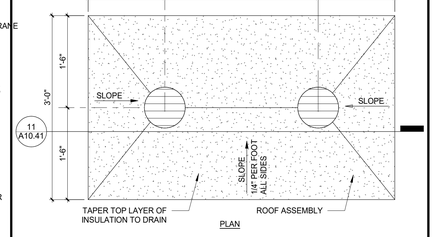
07.018

ROOF HATCH AT COMP. METAL DECK | 21
1 1/2" = 1'-0"



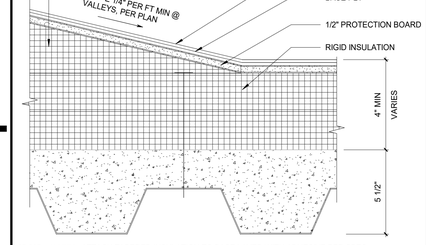
07.024

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



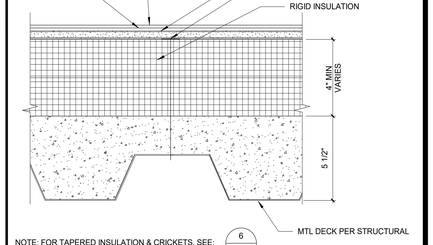
07.001

ROOF AND OVERFLOW DRAINS (PLAN) | 12
1" = 1'-0"



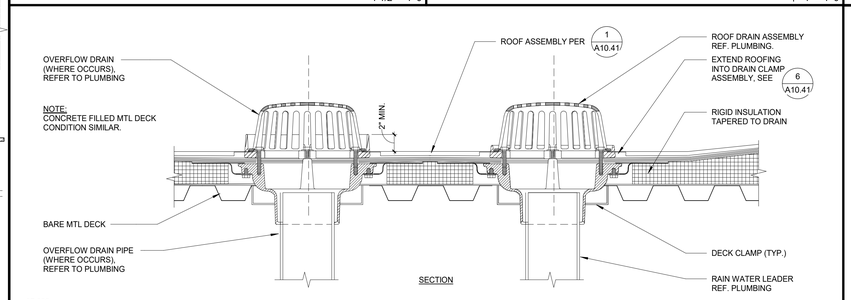
07.007 **NOTES:** ATTACH TAPERED INSULATION TO BASE LAYER WITH ADHESIVE PER SPEC.

ROOF CRICKET AT COMP. DECK | 7
3" = 1'-0"



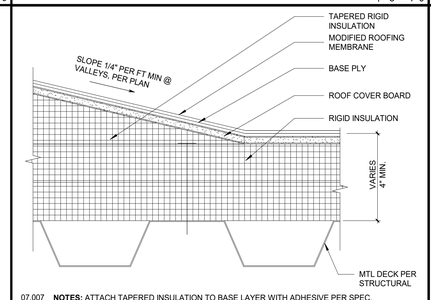
NOTE: FOR TAPERED INSULATION & CRICKETS, SEE: 6 A10.41

ROOF ASSEMBLY AT COMP. DECK | 2
3" = 1'-0"



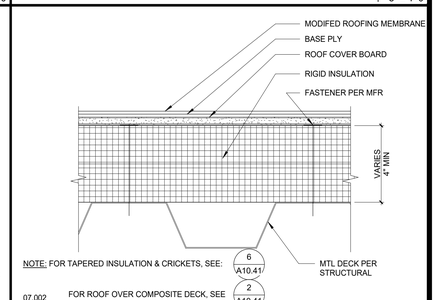
07.006

ROOF AND OVERFLOW DRAINS (SECTION) | 11
1" = 1'-0"



07.007 **NOTES:** ATTACH TAPERED INSULATION TO BASE LAYER WITH ADHESIVE PER SPEC.

ROOF CRICKET AT BARE DECK | 6
3" = 1'-0"



NOTE: FOR TAPERED INSULATION & CRICKETS, SEE: 6 A10.41

07.002 FOR ROOF OVER COMPOSITE DECK, SEE 2 A10.41

ROOF ASSEMBLY AT BARE DECK | 1
3" = 1'-0"

8/5/2021 9:02:06 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

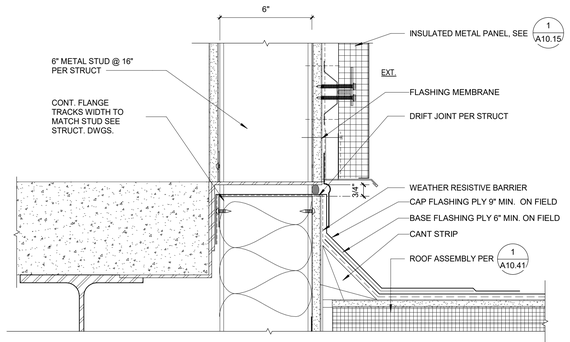
SHEET NAME:
ROOF DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

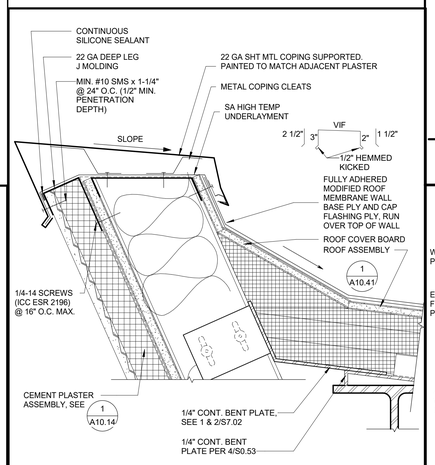
A10.41

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF THIS SHEET IS ORIGINAL SIZE

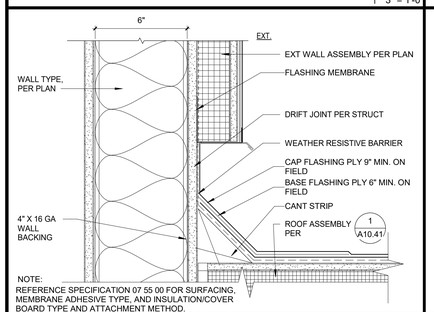


NOTE:
REFERENCE SPECIFICATION 07 55 00 FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

PARAPET COPING AT ANGLED WALL | 14
3" = 1'-0"

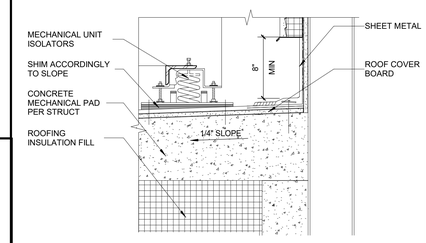


DRIFT JOINT @ ROOF - IMP | 18
3" = 1'-0"

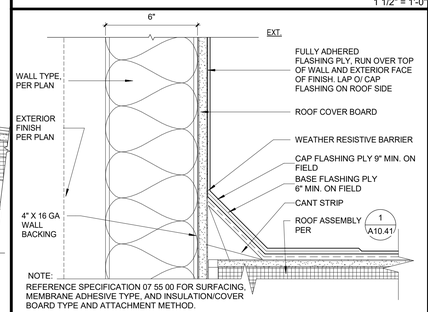


NOTE:
REFERENCE SPECIFICATION 07 55 00 FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

ROOF CANT @ SKYLIGHT | 13
3" = 1'-0"

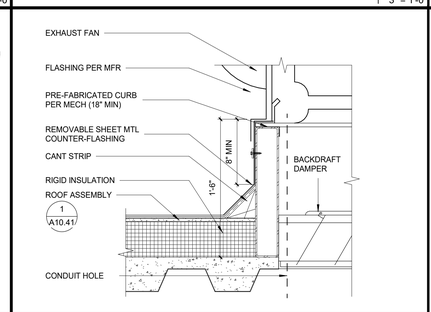


WALL FLASHING @ EQUIPMENT PAD | 10
1 1/2" = 1'-0"

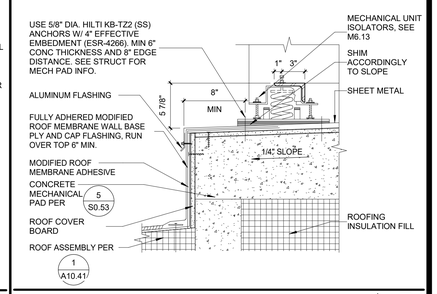


NOTE:
REFERENCE SPECIFICATION 07 55 00 FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

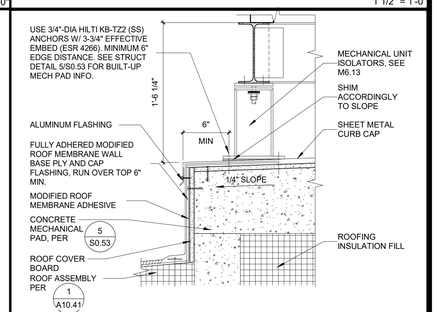
ROOF CANT @ ROOFING PARAPET | 9
3" = 1'-0"



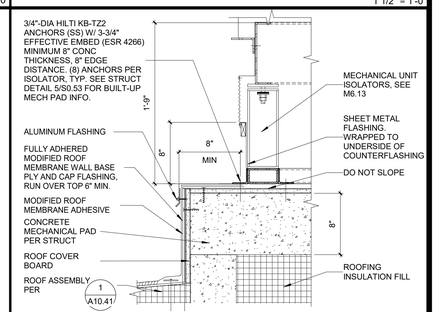
EXHAUST FAN CURB | 8
1 1/2" = 1'-0"



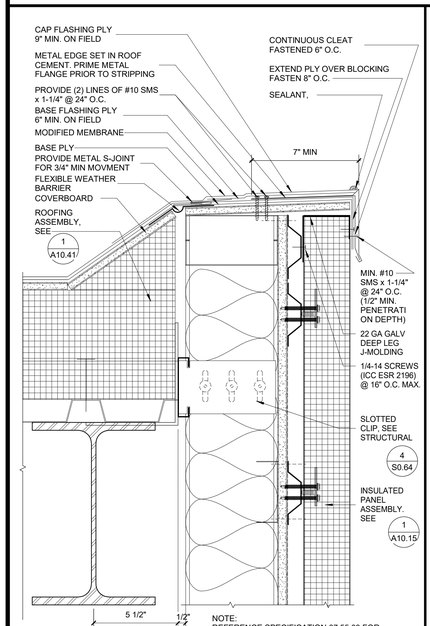
MECHANICAL ISOLATION VRF-1 | 5
1 1/2" = 1'-0"



MECHANICAL ISOLATION RTU-2, 3.1, & 3.2 | 4
1 1/2" = 1'-0"

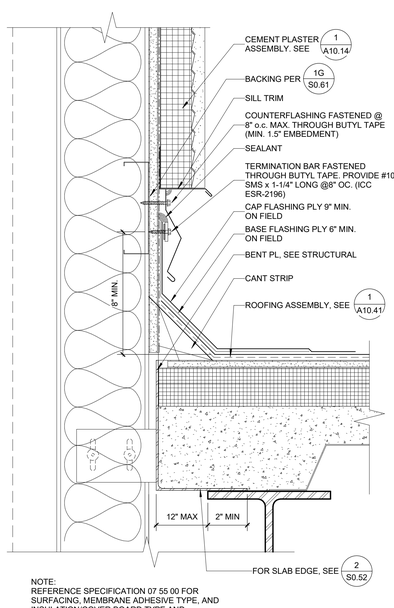


MECHANICAL ISOLATION RTU-1 | 3
1 1/2" = 1'-0"



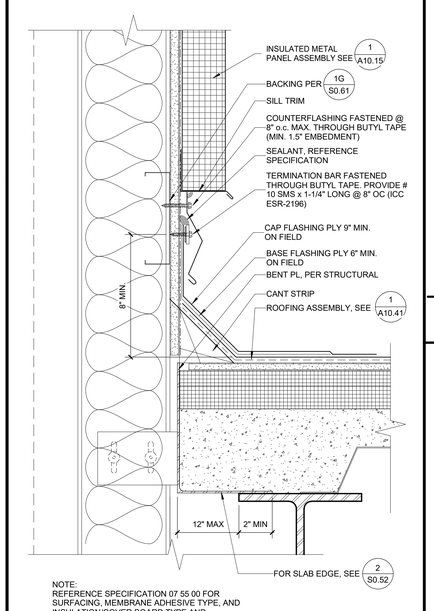
NOTE:
REFERENCE SPECIFICATION 07 55 00 FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

ROOF PARAPET - IMP | 21
3" = 1'-0"



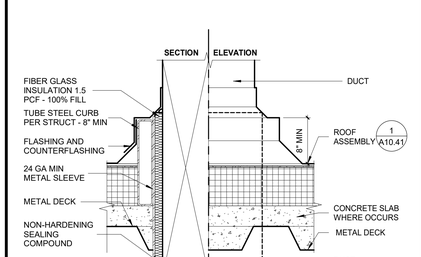
NOTE:
REFERENCE SPECIFICATION 07 55 00 FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

WALL FLASHING CEMENT PLASTER WALL | 16
3" = 1'-0"

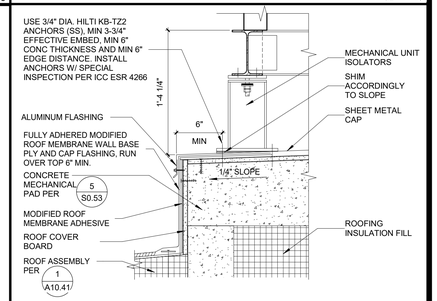


NOTE:
REFERENCE SPECIFICATION 07 55 00 FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

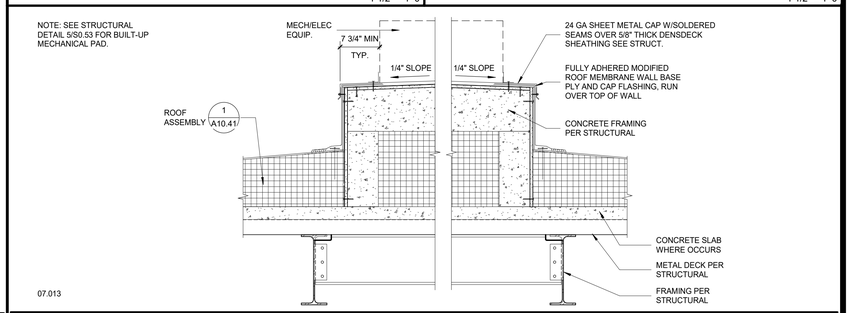
WALL FLASHING IMP | 11
3" = 1'-0"



TYPICAL DUCT PENETRATION AT ROOF | 7
1 1/2" = 1'-0"



MECHANICAL ISOLATION DOAS | 2
1 1/2" = 1'-0"



07.013

EQUIP. PLATFORM AT CONCRETE PLINTH | 1
1" = 1'-0"

PLEASE RECYCLE

8/5/2021 9:02:14 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

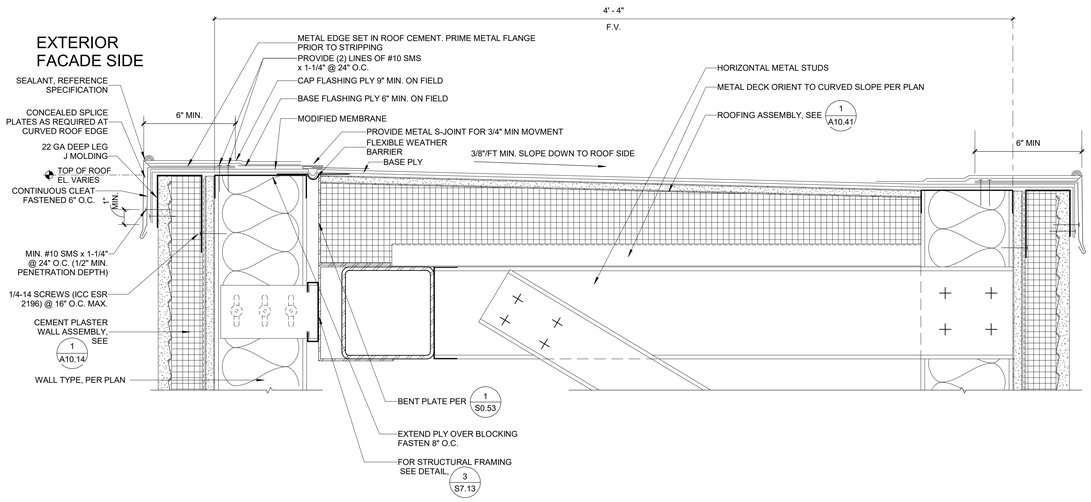
SHEET NAME:
ROOF DETAILS

DSA APPROVAL

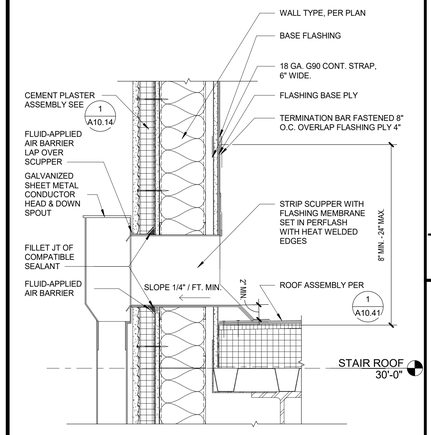
FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

A10.42

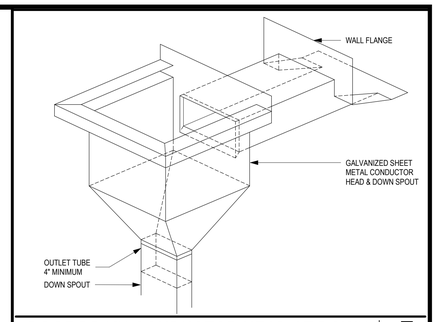
THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED ON EXTERIOR ORIGINAL SHEET SIZE



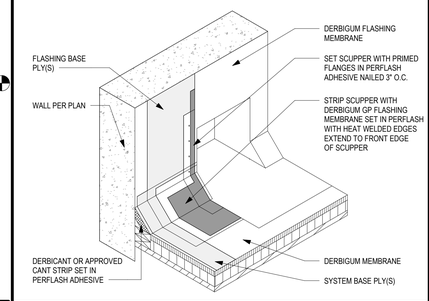
PARAPET COPING/ROOF @ DOUBLE WALL | 14
3" = 1'-0"



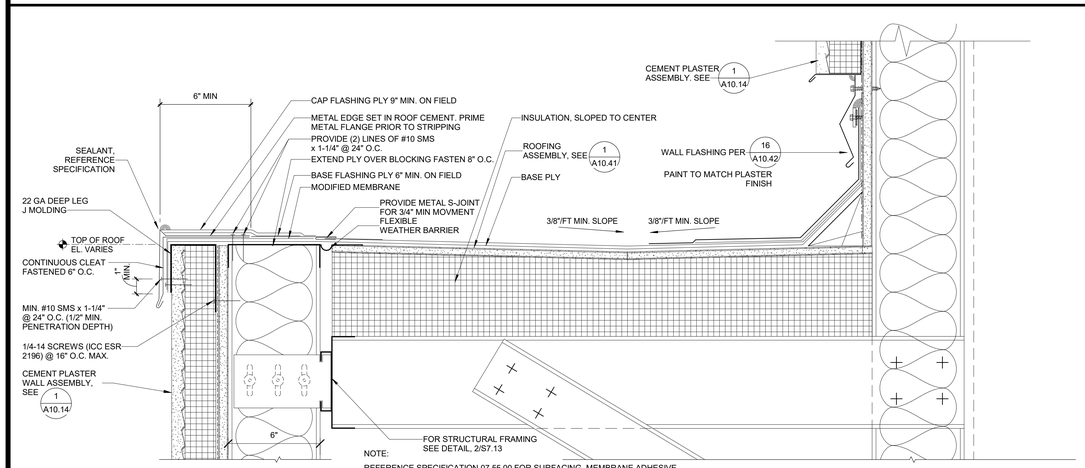
ROOF FLASHING AT OVERFLOW SCUPPER - SECTION | 9
1 1/2" = 1'-0"



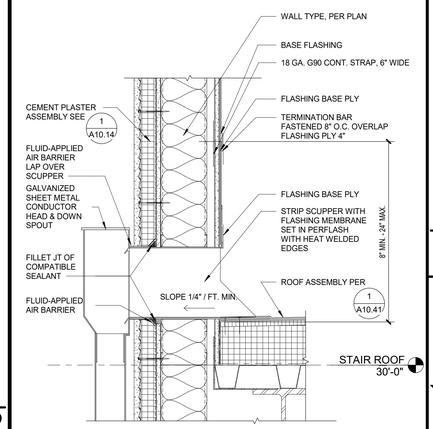
ROOF DRAIN CONDUCTOR HEAD AT DOWN SPOUT ISOMETRIC DIAGRAM | 5
1 1/2" = 1'-0"



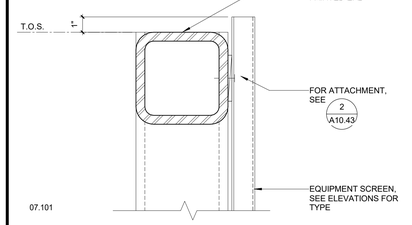
ROOF FLASHING AT THRU WALL SCUPPER ISOMETRIC | 4
1" = 1'-0"



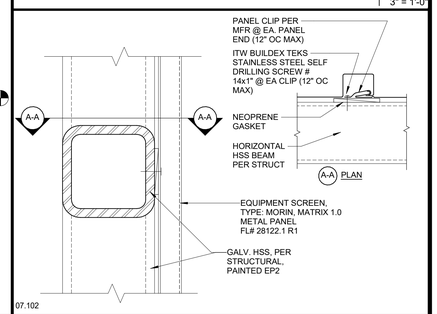
PARAPET COPING/ROOF @ DOUBLE WALL SLOPE | 12
3" = 1'-0"



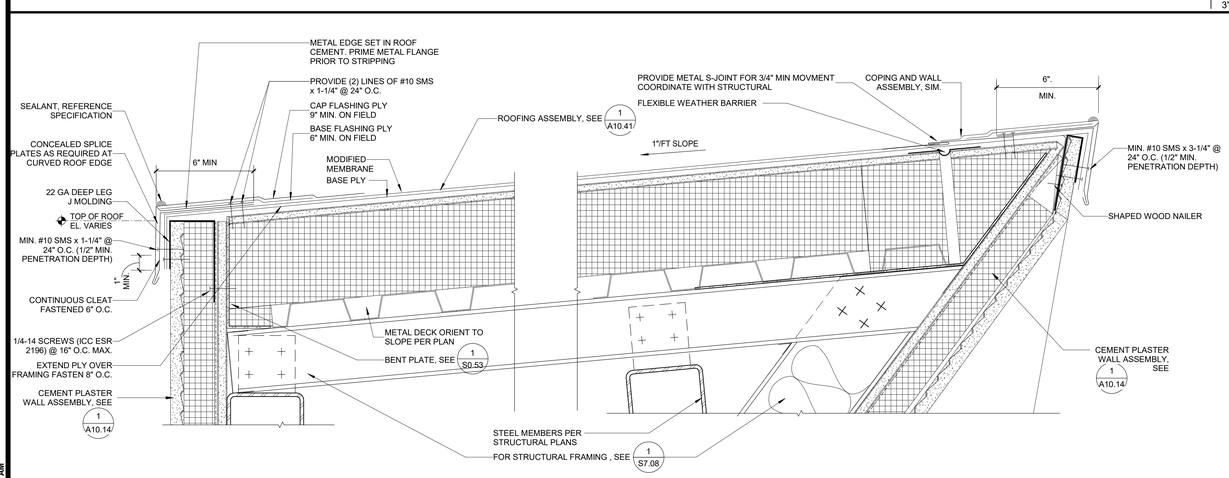
ROOF FLASHING AT THRU WALL SCUPPER - SECTION | 7
1 1/2" = 1'-0"



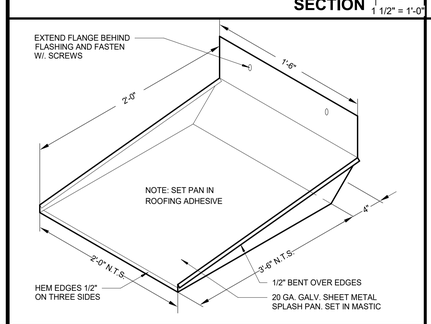
EQUIPMENT SCREEN TOP | 3
3" = 1'-0"



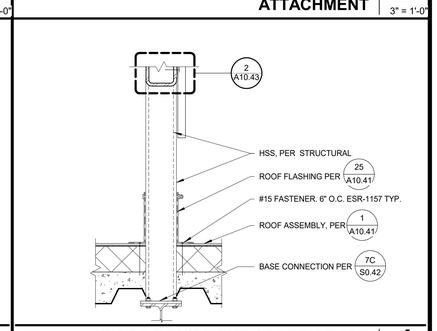
EQUIPMENT SCREEN BOTTOM HSS ATTACHMENT | 2
3" = 1'-0"



PARAPET COPING/ROOF @ DOUBLE WALL SOUTH | 11
3" = 1'-0"



ROOF - SPLASH PAN DETAIL | 6
1 1/2" = 1'-0"



ROOF EQUIPMENT SCREEN BASE | 1
1" = 1'-0"

PLEASE RECYCLE

8/5/2021 9:02:21 AM

AGENCY APPROVAL:

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
ROOF DETAILS

DSA APPROVAL

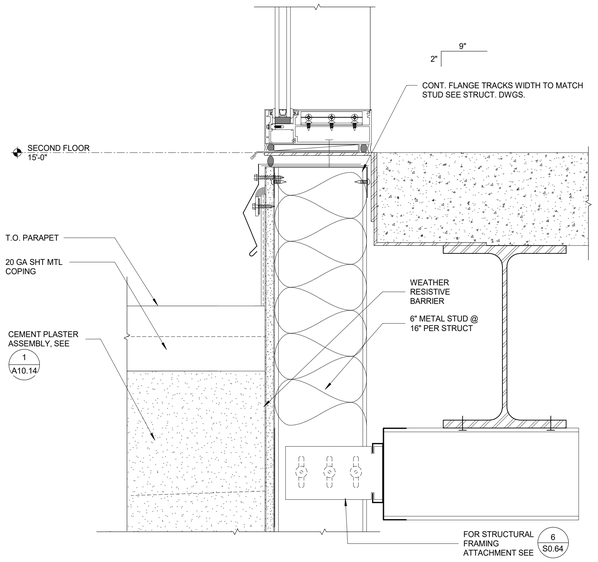
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

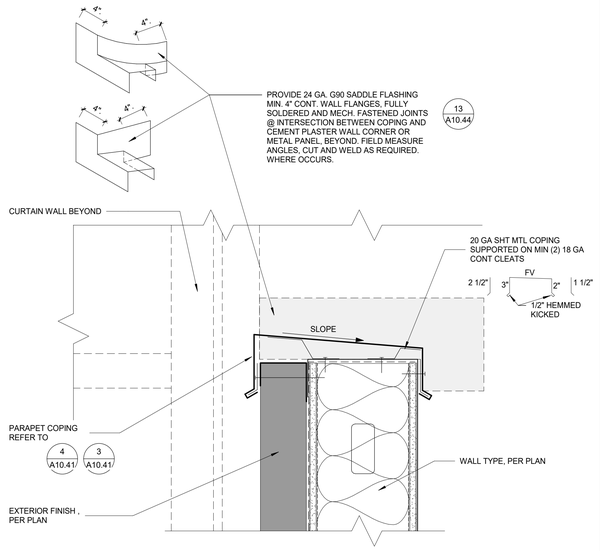
SHEET:

A10.43

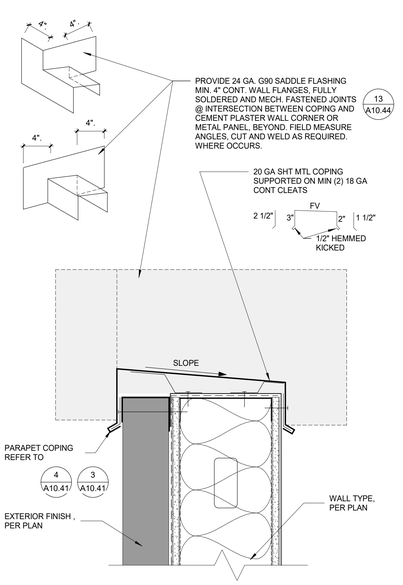
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL SHEET. IF NOT, ADJUST SCALE ACCORDINGLY



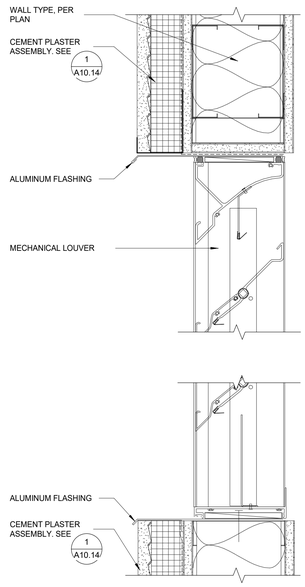
WATERPROOFING AT DRIFT JOINT | 24
3" = 1'-0"



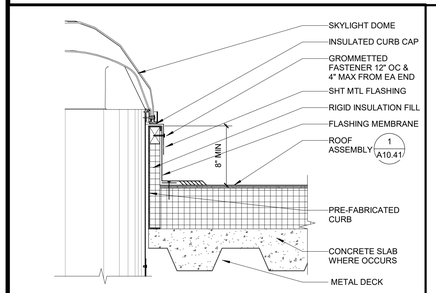
METAL PANEL - COPING / SADDLE @ EAST PARAPET BY CURTAINWALL | 14
3" = 1'-0"



METAL PANEL - PARAPET COPING / SADDLE | 9
3" = 1'-0"



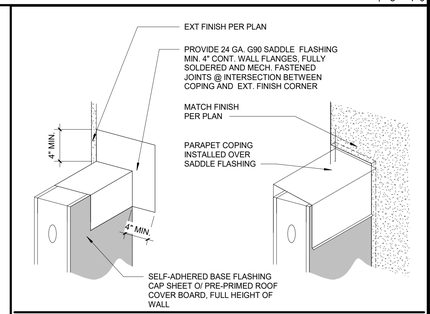
LOUVER HEAD/SILL DETAIL @ PLASTER | 4
3" = 1'-0"



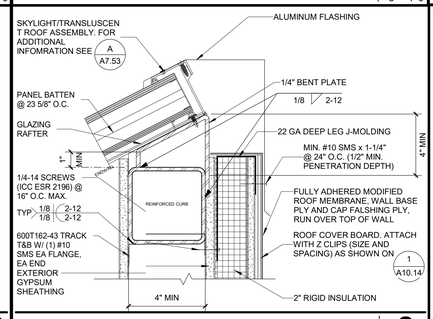
08.006

NOTE: VERIFY DIMENSIONS WITH SKYLIGHT MANUFACTURER

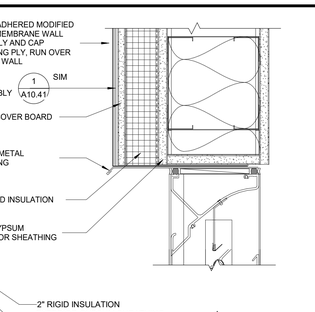
FLASHING AT TUBULAR SKYLIGHT | 23
1 1/2" = 1'-0"



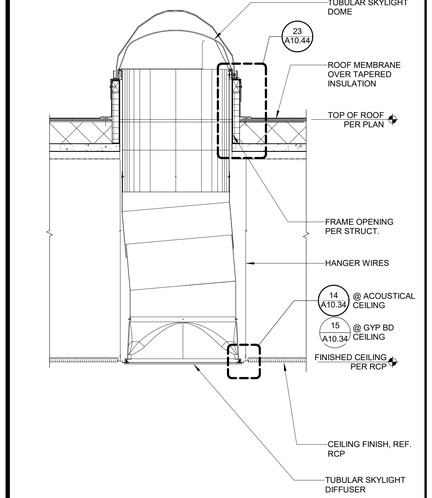
SADDLE FLASHING | 13
1" = 1'-0"



SKYLIGHT HEAD @ INCLINED CURB | 8
3" = 1'-0"

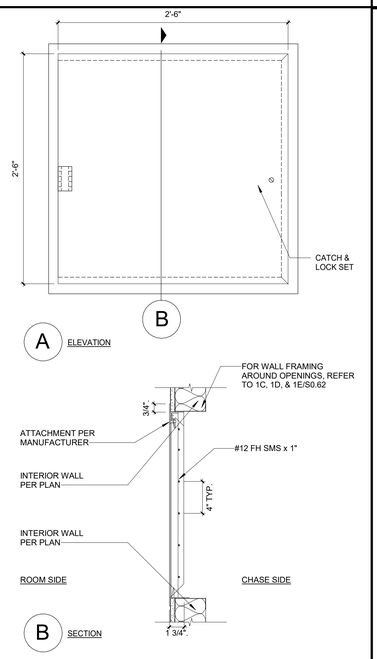


LOUVER HEAD/SILL DETAIL @ ROOF MEMBRANE MODIFIED | 1
3" = 1'-0"

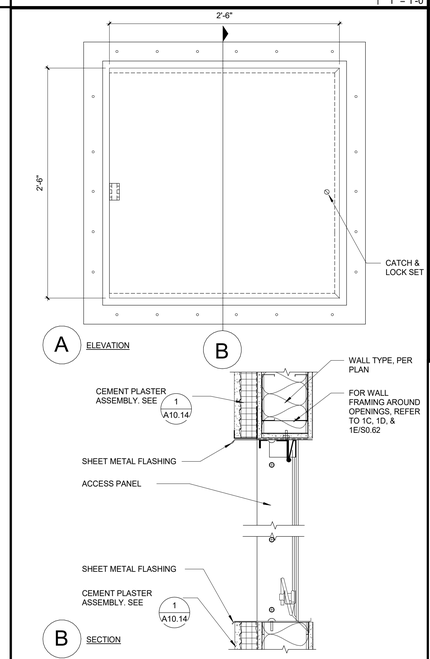


08.005

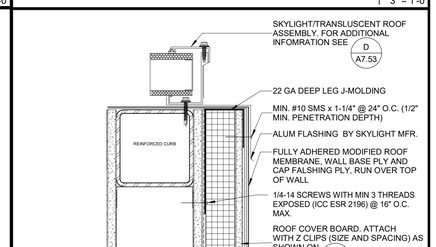
TUBULAR SKYLIGHT ROOF PENETRATION | 21
1" = 1'-0"



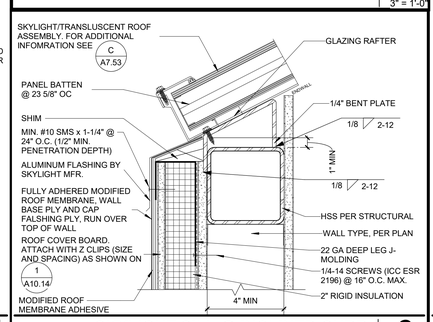
INTERIOR ACCESS PANEL GYP | 16
NTS



EXTERIOR ACCESS PANEL @ PLASTER | 11
NTS



SKYLIGHT JAMB @ INCLINED CURB | 7
3" = 1'-0"



SKYLIGHT SILL @ INCLINED CURB | 6
3" = 1'-0"

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LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF DETAILS

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A10.44

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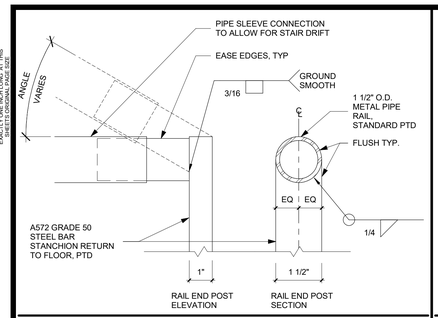
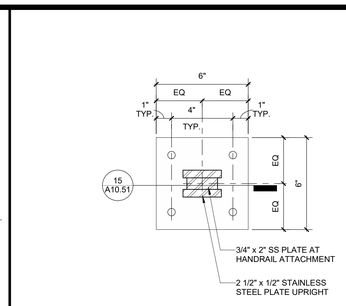
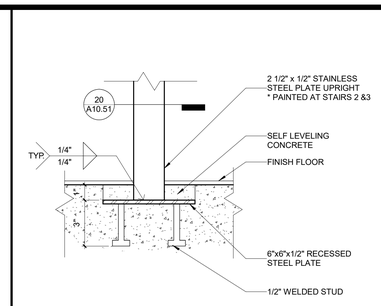


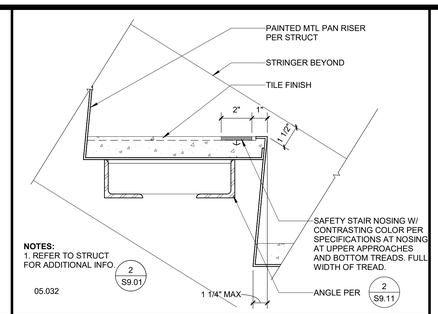
HANDRAIL @ SLEEVE CONNECTION | 25
6" = 1'-0"



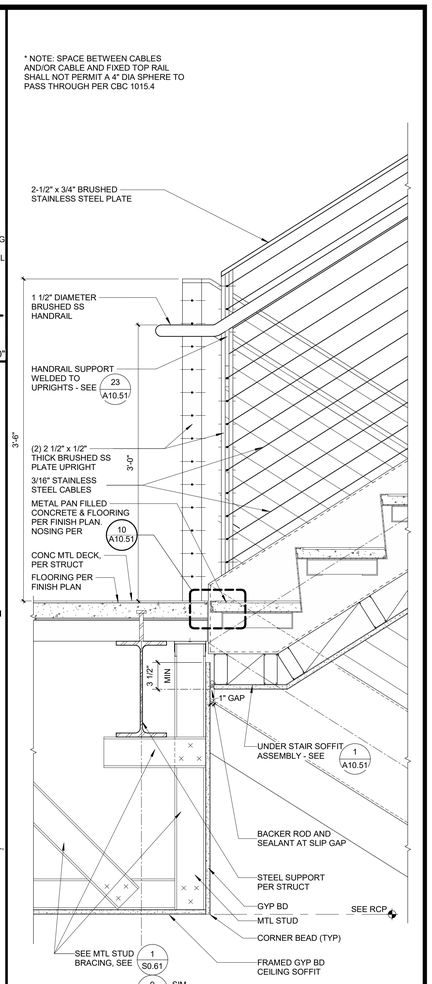
ENLARGED PLAN OF GUARDRAIL BASE PLATE | 20
3" = 1'-0"



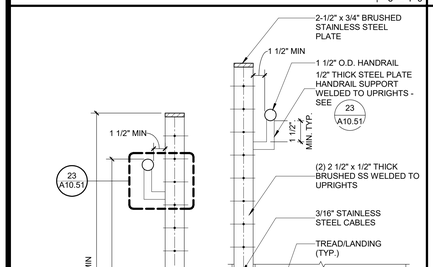
GUARDRAIL BASE SECTION @ SLAB ON GRADE | 15
3" = 1'-0"



STAIR NOSING - GROOVED1 | 10
3" = 1'-0"



STAIR ELEVATION LEVEL 2 LANDING | 3
1 1/2" = 1'-0"



TYP. RECESSED LINEAR FIXTURE @ FRAMED GYP. CEILING/ WALL | 24
3" = 1'-0"

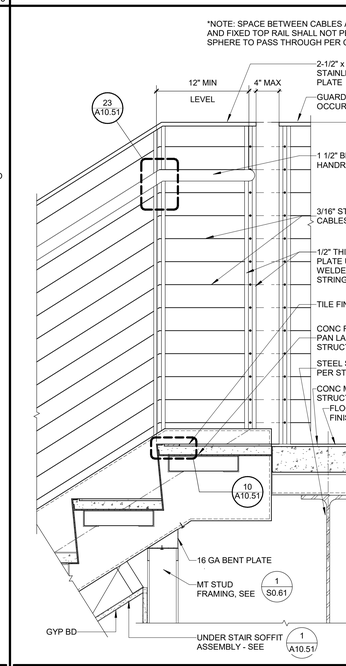
HANDRAIL | 23
6" = 1'-0"

INTERMEDIATE STAIR LANDING 02 | 18
1 1/2" = 1'-0"

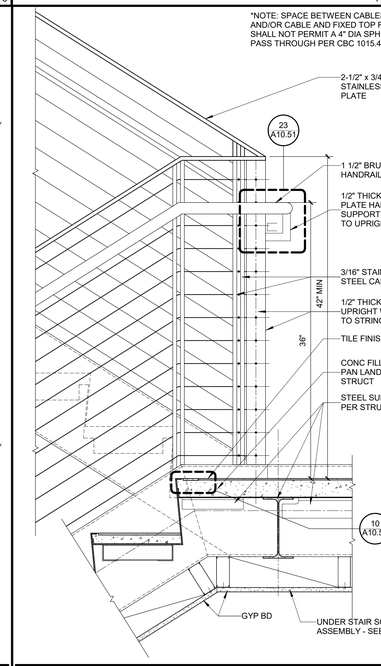
STAIR @ LANDING SECTION | 13
1 1/2" = 1'-0"

STAIR LANDING END SECTION | 8
1 1/2" = 1'-0"

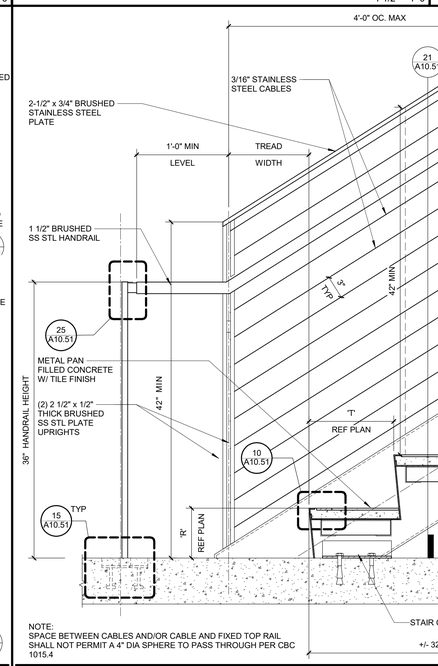
SECTION THRU STAIR | 21
1 1/2" = 1'-0"



TOP STAIR LANDING 01 | 16
1 1/2" = 1'-0"



INTERMEDIATE STAIR LANDING 01 | 11
1 1/2" = 1'-0"



STAIR FOOT LANDING TRANSITION ELEVATION | 1
1 1/2" = 1'-0"

8/5/2021 8:02:38 AM

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CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

STAIR DETAILS

DSA APPROVAL

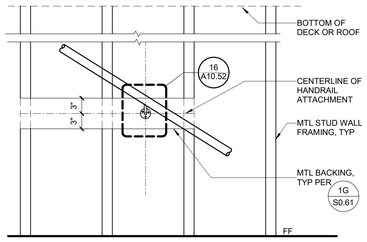
FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

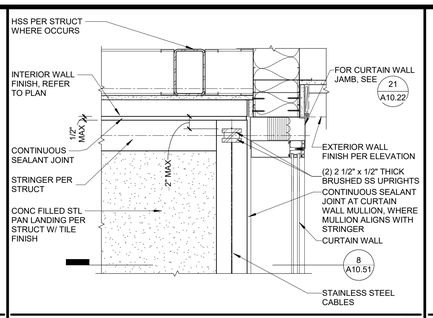
A10.51

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF THIS SHEET IS ORIGINAL SPACE SIZE

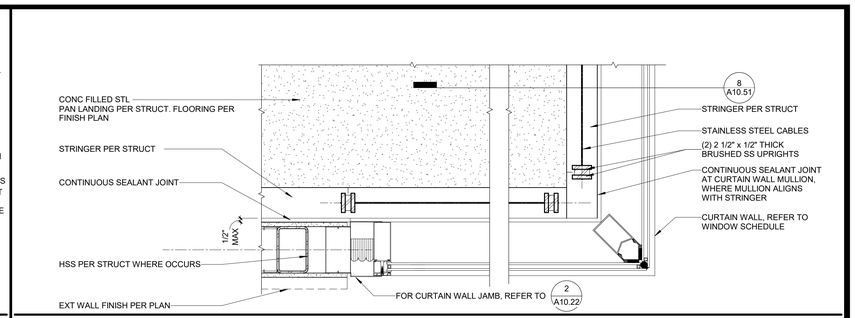


NOTES:
1. WALL FRAMING PER PARTITION TYPE, REFER TO DIMENSION PLAN.
2. WALL STUD FLANGES ARE TO BE CONTINUOUS FROM FLOOR TO DECK ABOVE
3. ANCHOR BACKING PLATES TO SPAN ACROSS (3) STUDS MIN.
4. FOR ADDITIONAL BACKING INFORMATION, REFER TO STRUCTURAL DWGS

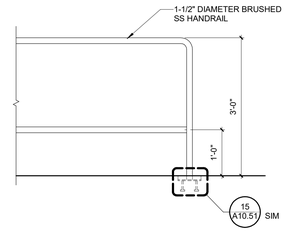
BACKING AT HANDRAIL 20
1" = 1'-0"



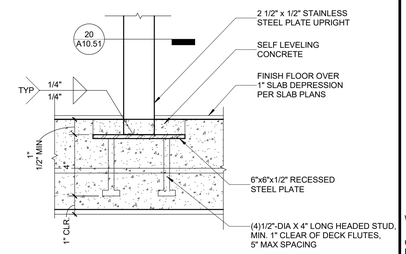
STAIR LANDING END PLAN 15
1 1/2" = 1'-0"



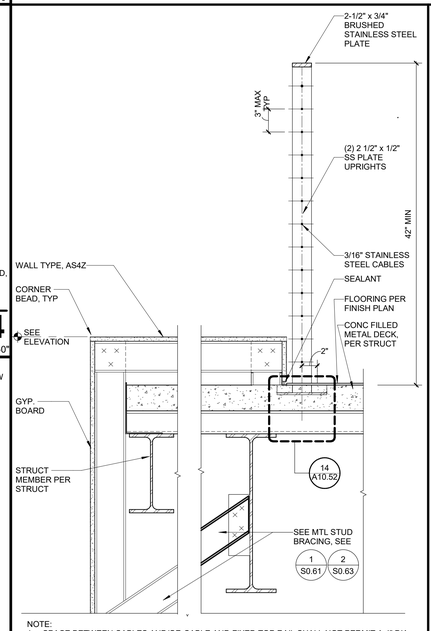
STAIR LANDING END PLAN 5
1 1/2" = 1'-0"



CANE DETECTION RAIL 19
3/4" = 1'-0"

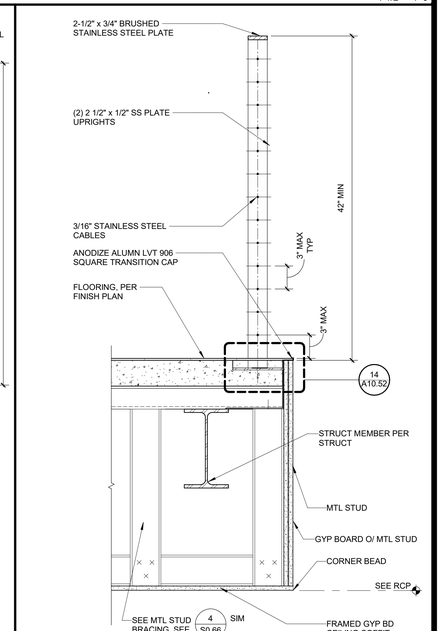


GUARDRAIL BASE SECTION @ CONC FILLED METAL DECK 14
3" = 1'-0"



NOTE:
1. SPACE BETWEEN CABLES AND/OR CABLE AND FIXED TOP RAIL SHALL NOT PERMIT A 4" DIA SPHERE TO PASS THROUGH PER CBC 1015.4

GUARDRAIL AT LEDGE 8
1 1/2" = 1'-0"

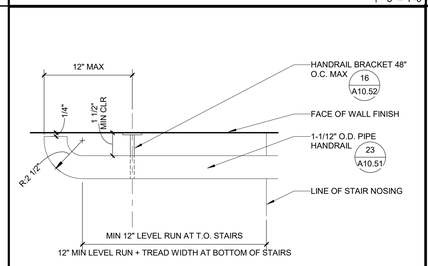


NOTE:
1. SPACE BETWEEN CABLES AND/OR CABLE AND FIXED TOP RAIL SHALL NOT PERMIT A 4" DIA SPHERE TO PASS THROUGH PER CBC 1015.4

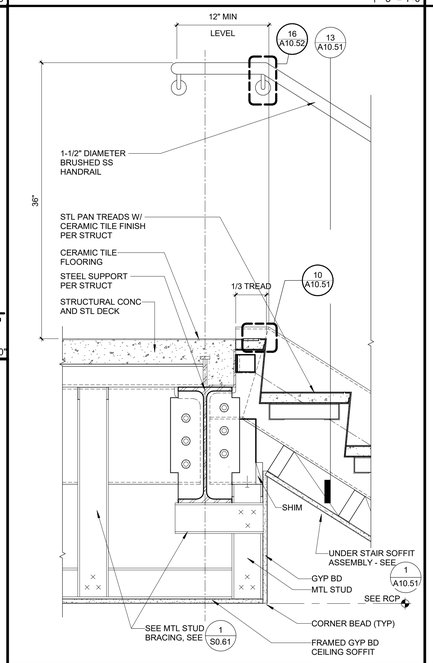
GUARDRAIL AT LANDING 3
1 1/2" = 1'-0"

GUARDRAIL BASE SECTION @ STAIR STRINGER 18
3" = 1'-0"

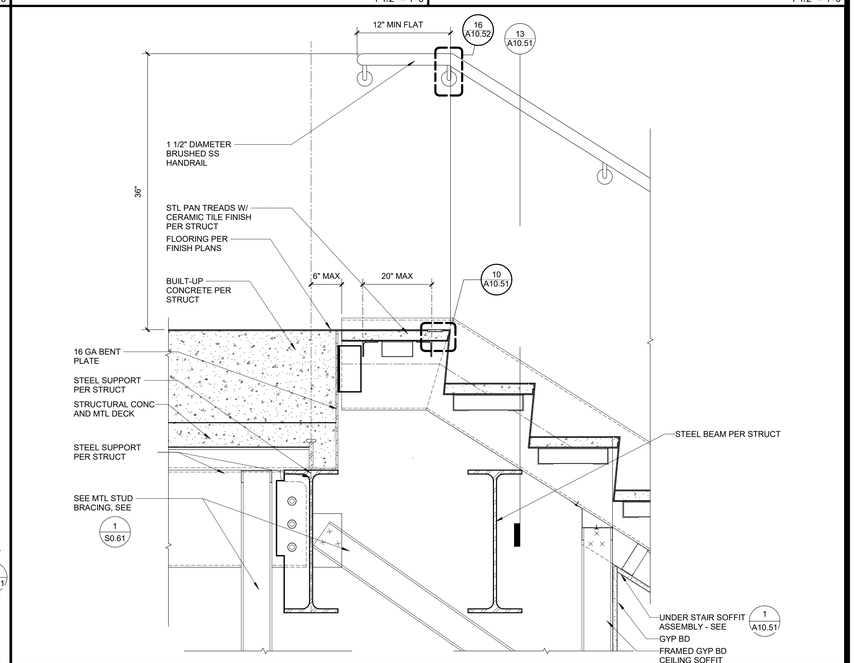
HANDRAIL AT FLOOR LANDING 13
3" = 1'-0"



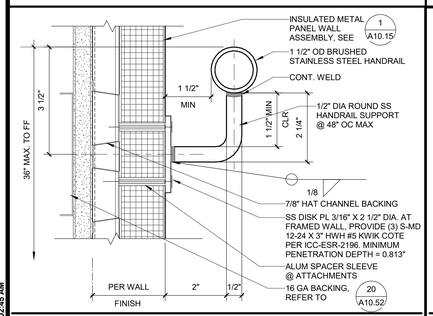
HANDRAIL END CONDITION 17
3" = 1'-0"



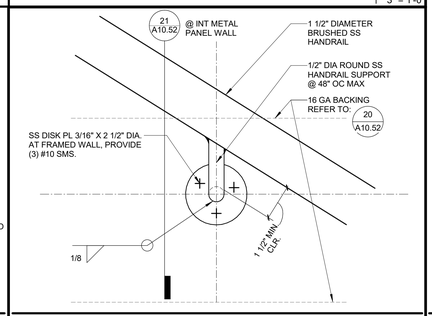
STAIR TOP TRANSITION ELEVATION 11
1 1/2" = 1'-0"



STAIR TOP TRANSITION ELEVATION 1
1 1/2" = 1'-0"



HANDRAIL BRACKET @ INT INSULATED METAL PANEL 21
6" = 1'-0"



HANDRAIL BRACKET AT WALL 16
6" = 1'-0"

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
STAIR DETAILS

DSA APPROVAL

FILE NO.: 36-C1	A#: 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

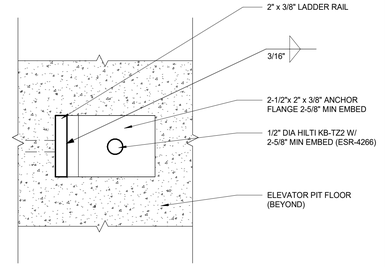
SHEET:

A10.52

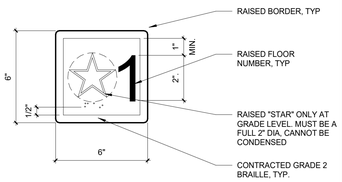
9/8/2021 9:02:45 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY 3" LONG ON THIS SHEET'S ORIGINAL SIZE (D2)

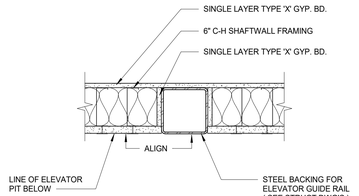


ELEVATOR PIT LADDER ANCHOR FLANGE | 10
6" = 1'-0"

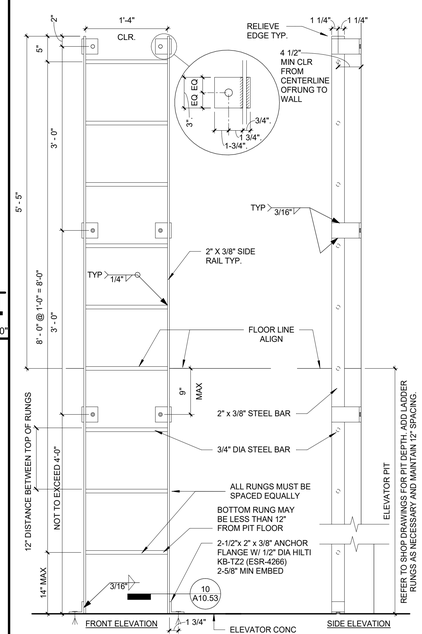


NOTES:
1. PROVIDE SIGN AT BOTH JAMES, AND AT EACH FLOOR LEVEL PER CBC 11B-407.2.3.1
2. RAISED CHARACTERS AND STAR SHALL BE WHITE ON BLACK BACKGROUND
3. FOR ADDITIONAL TEXT & BRAILLE NOTES SEE DETAILS (3 / A10.81)

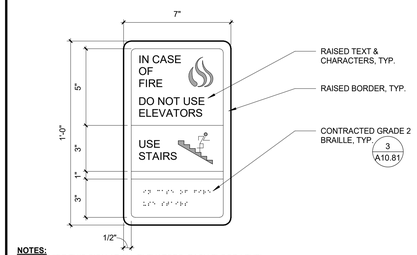
TACTILE STAIR & ELEVATOR ID SIGNAGE | 5
3" = 1'-0"



ELEVATOR GUIDE RAIL BACKING | 14
1 1/2" = 1'-0"

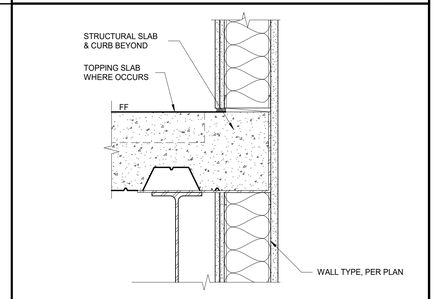


ELEVATOR PIT LADDER | 8
1" = 1'-0"

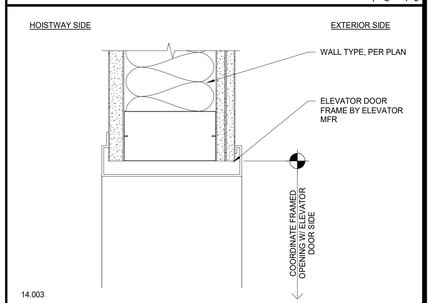


NOTES:
1. PROVIDE THIS SIGN AT ALL ELEVATORS, EACH FLOOR LEVEL
2. FOR CHARACTER & BRAILLE STANDARDS REFER TO (3 / A10.81)

ELEVATOR EXIT SIGNAGE | 4
3" = 1'-0"

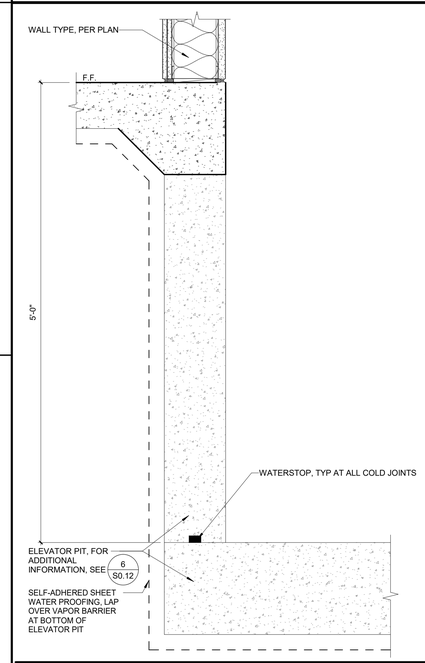


SHAFTWALL HEAD/SILL @ 2ND FLOOR | 13
1 1/2" = 1'-0"

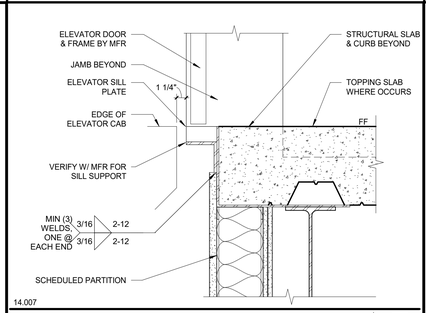


14.003

ELEVATOR DOOR HEAD (JAMB SIM) AT STUD WALL | 3
3" = 1'-0"

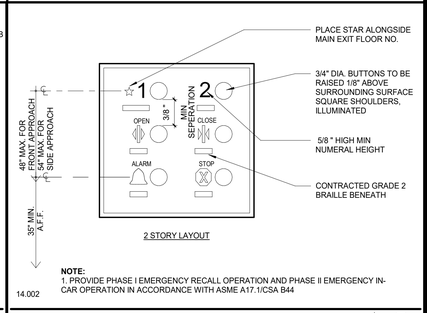


SHAFTWALL SILL @ ELEV PIT /PIT SECTION | 11
1 1/2" = 1'-0"



14.007

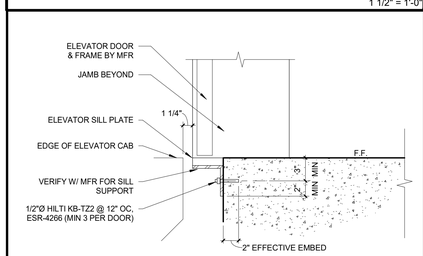
ELEVATOR DOOR SILL @ 2ND FLOOR | 7
1 1/2" = 1'-0"



14.002

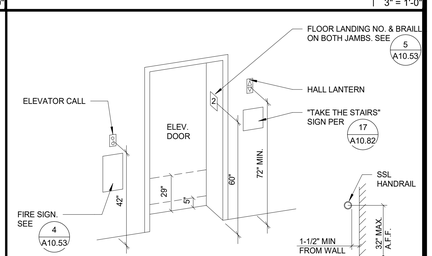
NOTE:
1. PROVIDE PHASE I EMERGENCY RECALL OPERATION AND PHASE II EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH ASME A17.1/CSA B44

ELEVATOR CONTROL PANEL | 2
3" = 1'-0"



14.006

ELEVATOR DOOR SILL @ 1ST FLOOR | 6
1 1/2" = 1'-0"



NOTE:
THE AUTOMATIC DOOR OPENING DEVICE IS TO BE ACTIVATED WHEN OBJECTS PASS THROUGH THE DOOR AT EITHER 5" OR 29" AFF

14.001

ELEVATOR ACCESS COMPLIANCE STANDARDS | 1
1" = 1'-0"

8/5/2021 9:02:52 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

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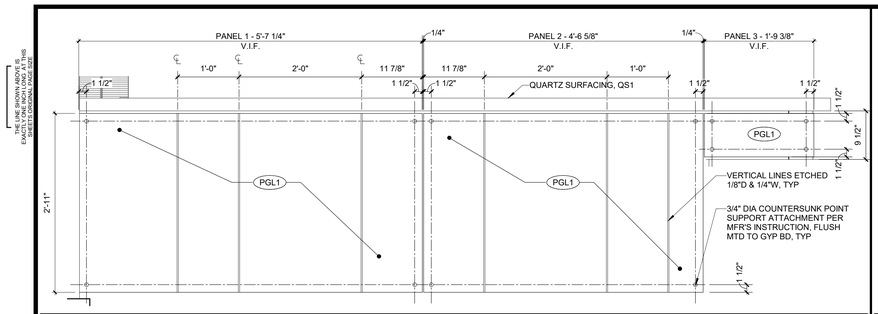
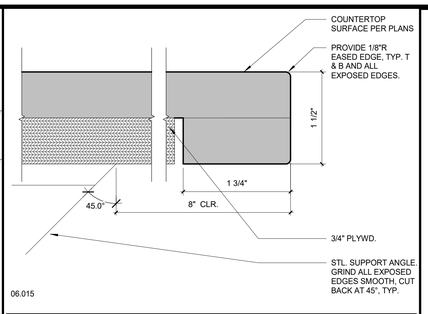
SHEET:

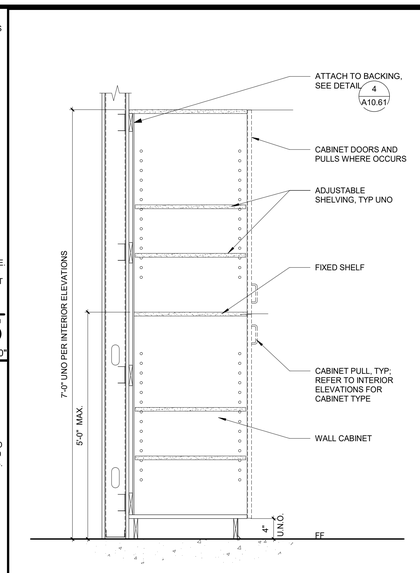
A10.53



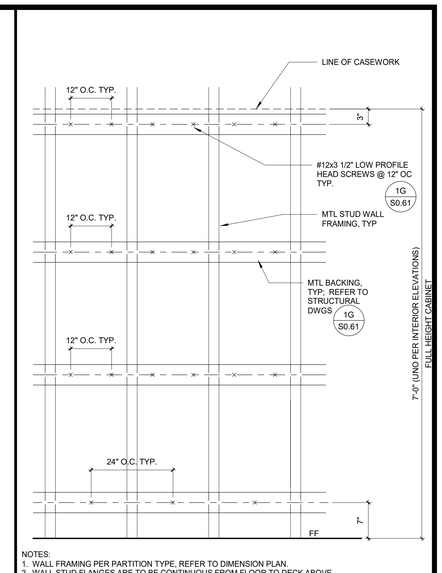
PLASTIC GLAZING PANEL AT SC RECEPTION DESK — 20 — 1" = 1'-0"



COUNTERTOP EDGE DETAIL — 15 — 12" = 1'-0"

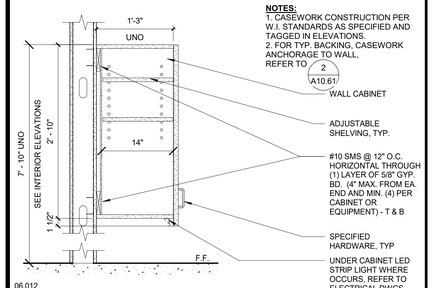


SECTION AT FULL HEIGHT CASEWORK — 9 — 1" = 1'-0"



NOTES:
1. WALL FRAMING PER PARTITION TYPE, REFER TO DIMENSION PLAN.
2. WALL STUD FLANGES ARE TO BE CONTINUOUS FROM FLOOR TO DECK ABOVE
3. ANCHOR BACKING PLATES TO SPAN ACROSS (3) STUDS MIN.
4. FOR ADDITIONAL BACKING INFORMATION, REFER TO STRUCTURAL DWGS 1G S0.61

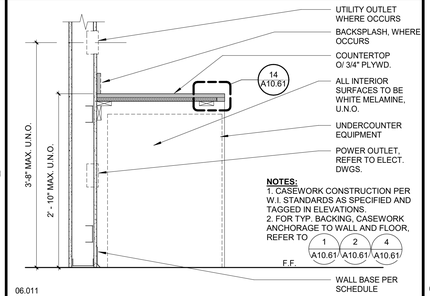
BACKING AT FULL HEIGHT CASEWORK — 4 — 1" = 1'-0"



NOTES:
1. CASEWORK CONSTRUCTION PER W.I. STANDARDS AS SPECIFIED AND TAGGED IN ELEVATIONS.
2. FOR TYP. BACKING, CASEWORK ANCHORAGE TO WALL, REFER TO 2 A10.61

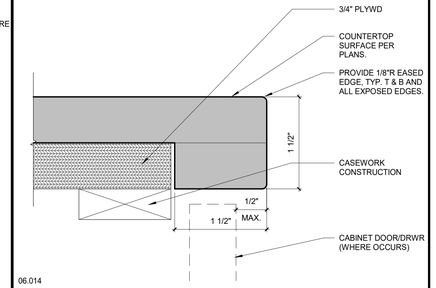
- WALL CABINET
- ADJUSTABLE SHELVING, TYP.
- #10 SMS @ 12" O.C. HORIZONTAL THROUGH (1) LAYER OF 5/8" GYP. BD. (4" MAX. FROM EA. END AND MIN. (4) PER CABINET OR EQUIPMENT) - T & B
- SPECIFIED HARDWARE, TYP
- UNDER CABINET LED STRIP LIGHT WHERE OCCURS, REFER TO ELECTRICAL DWGS.

UPPER CABINET SECTION — 24 — 1" = 1'-0"

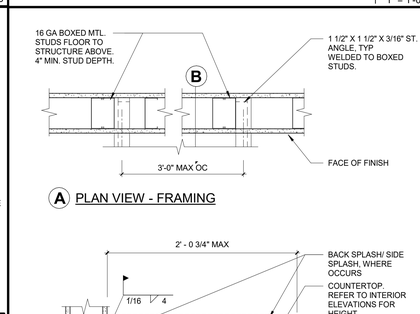


NOTES:
1. CASEWORK CONSTRUCTION PER W.I. STANDARDS AS SPECIFIED AND TAGGED IN ELEVATIONS.
2. FOR TYP. BACKING, CASEWORK ANCHORAGE TO WALL AND FLOOR, REFER TO 1 A10.61, 2 A10.61, 4 A10.61

BASE CABINET FOR APPLIANCE — 19 — 1" = 1'-0"

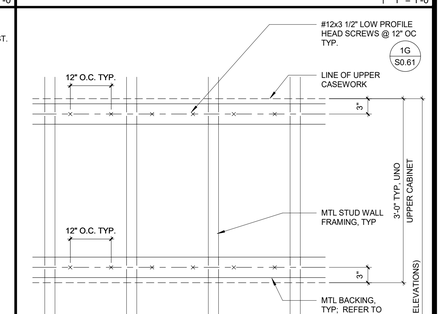


COUNTERTOP EDGE DETAIL AT BASE CABINET — 14 — 12" = 1'-0"



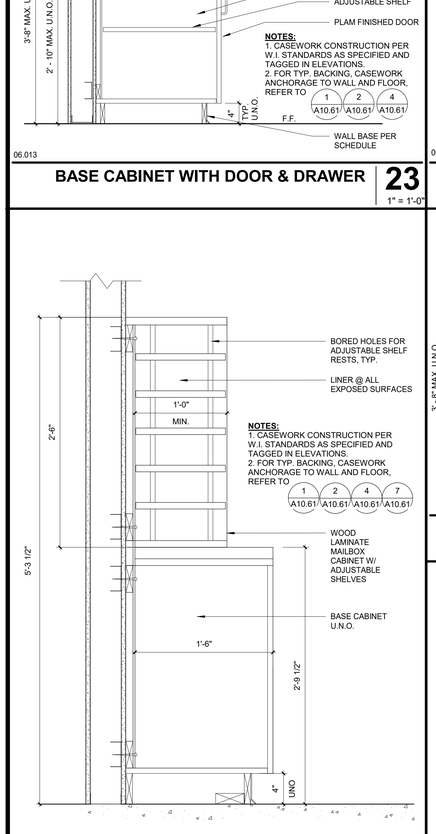
NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

COUNTERTOP SUPPORT — 7 — 1 1/2" = 1'-0"



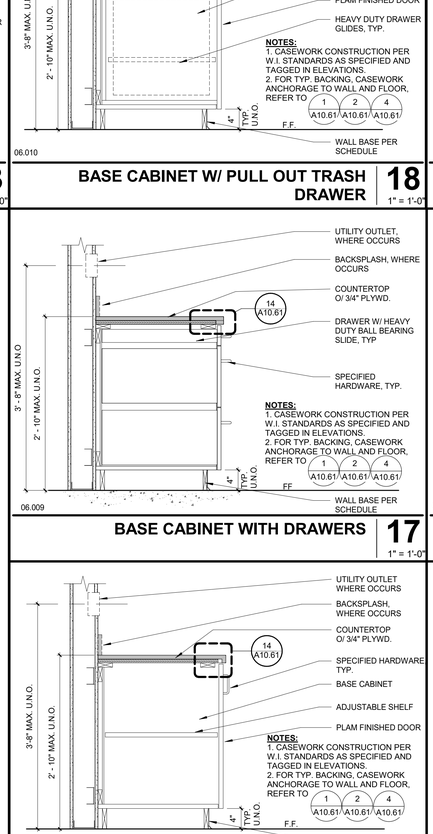
NOTES:
1. WALL FRAMING PER PARTITION TYPE, REFER TO DIMENSION PLAN.
2. WALL STUD FLANGES ARE TO BE CONTINUOUS FROM FLOOR TO DECK ABOVE
3. ANCHOR BACKING PLATES TO SPAN ACROSS (3) STUDS MIN.
4. FOR ADDITIONAL BACKING INFORMATION, REFER TO STRUCTURAL DWGS 1G S0.61

BACKING AT LOWER AND UPPER CASEWORK — 2 — 1" = 1'-0"



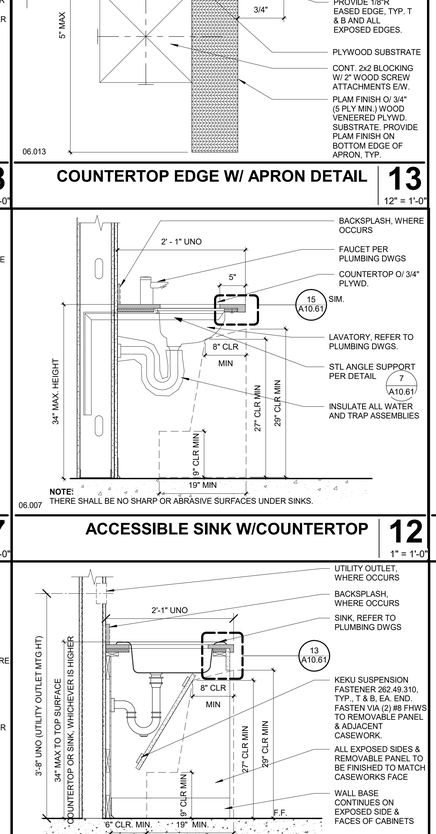
NOTES:
1. CASEWORK CONSTRUCTION PER W.I. STANDARDS AS SPECIFIED AND TAGGED IN ELEVATIONS.
2. FOR TYP. BACKING, CASEWORK ANCHORAGE TO WALL AND FLOOR, REFER TO 1 A10.61, 2 A10.61, 4 A10.61

BASE CABINET WITH DOOR & DRAWER — 23 — 1" = 1'-0"



NOTES:
1. CASEWORK CONSTRUCTION PER W.I. STANDARDS AS SPECIFIED AND TAGGED IN ELEVATIONS.
2. FOR TYP. BACKING, CASEWORK ANCHORAGE TO WALL AND FLOOR, REFER TO 1 A10.61, 2 A10.61, 4 A10.61

BASE CABINET W/ PULL OUT TRASH DRAWER — 18 — 1" = 1'-0"



COUNTERTOP EDGE W/ APRON DETAIL — 13 — 12" = 1'-0"

NOTES:
1. CASEWORK CONSTRUCTION PER W.I. STANDARDS AS SPECIFIED AND TAGGED IN ELEVATIONS.
2. FOR TYP. BACKING, CASEWORK ANCHORAGE TO WALL AND FLOOR, REFER TO 1 A10.61, 2 A10.61, 4 A10.61, 7 A10.61

BASE & MAILBOX UPPER CABINET DETAIL — 21 — 1 1/2" = 1'-0"

NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.

BASE CABINET WITH DRAWERS — 17 — 1" = 1'-0"

NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.

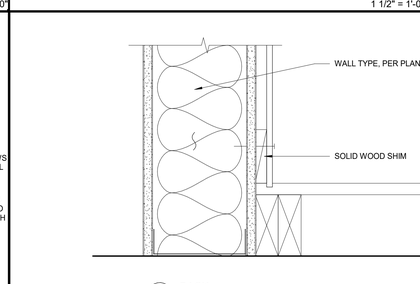
ACCESSIBLE SINK W/COUNTERTOP — 12 — 1" = 1'-0"

NOTES:
1. CASEWORK CONSTRUCTION PER W.I. STANDARDS AS SPECIFIED AND TAGGED IN ELEVATIONS.
2. FOR TYP. BACKING, CASEWORK ANCHORAGE TO WALL AND FLOOR, REFER TO 1 A10.61, 2 A10.61, 4 A10.61

BASE CABINET WITH DOOR — 16 — 1" = 1'-0"

NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.

ACCESSIBLE SINK W /REMOVABLE PANEL — 11 — 1" = 1'-0"



BASE CABINET ANCHORAGE DETAIL - FLOOR — 1 — 3" = 1'-0"

Chaffey College

HMC Architects
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3546 CONCOURS STREET
ONTARIO, CA 91764
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
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CHINO INSTRUCTIONAL BUILDING

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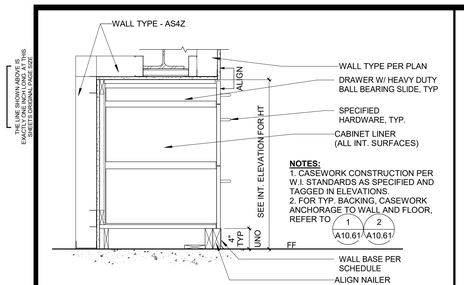
SHEET:

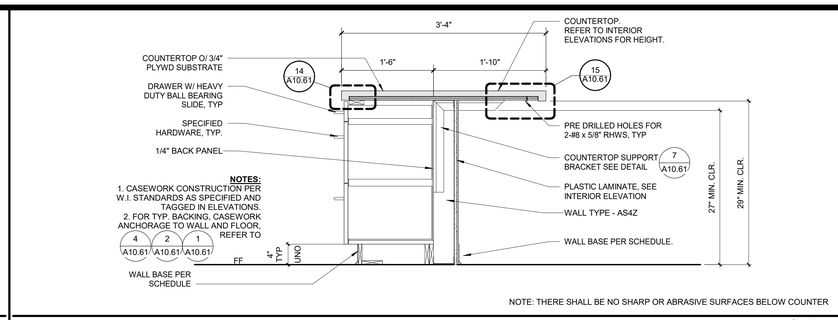
A10.61

8/5/2021 9:03:02 AM

PLEASE RECYCLE

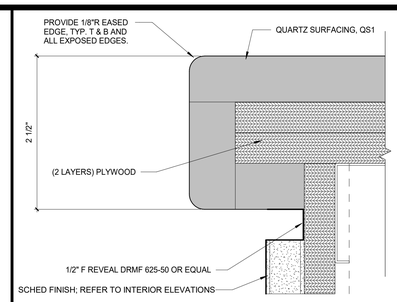


RECESSED BASE CABINET | 25
1" = 1'-0"

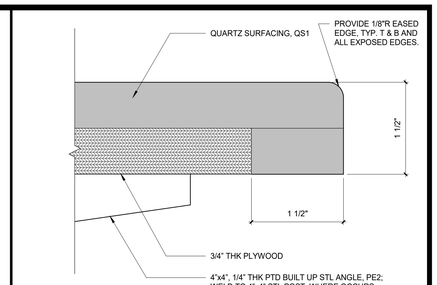


NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

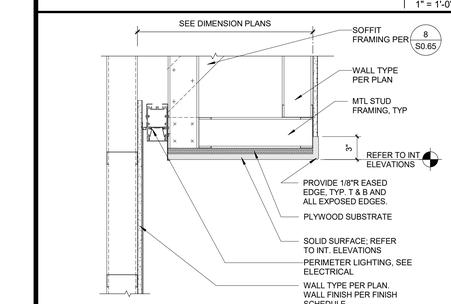
COUNTERTOP SUPPORT @ ISLAND | 15
1" = 1'-0"



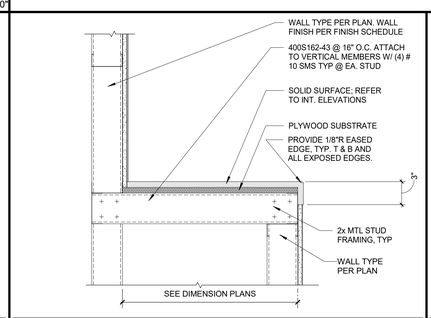
RECEPTION DESK - SURFACE EDGE 02 | 10
12" = 1'-0"



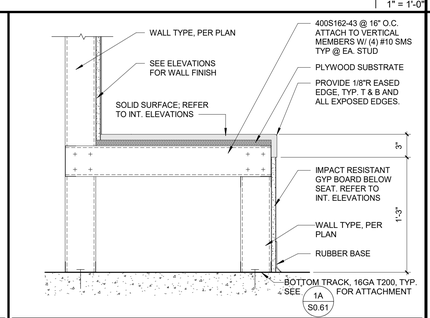
RECEPTION DESK - SURFACE EDGE 01 | 5
12" = 1'-0"



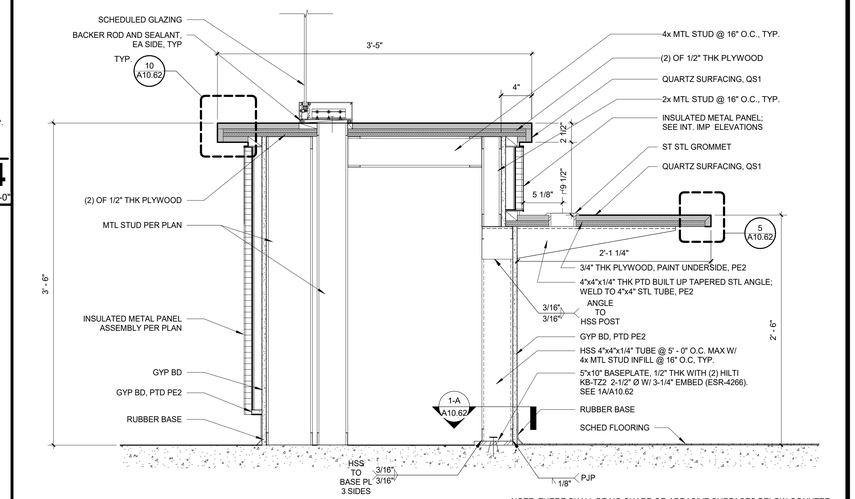
BUILT-IN ALCOVE AT HALLWAY - CEILING | 24
1 1/2" = 1'-0"



BUILT-IN SEATING AT HALLWAY - PLAN VIEW | 19
1 1/2" = 1'-0"

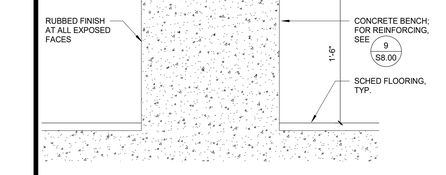


BUILT-IN SEATING AT HALLWAY | 14
1 1/2" = 1'-0"

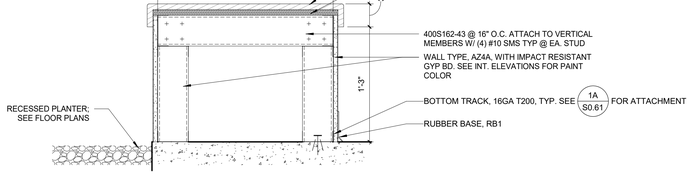


NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

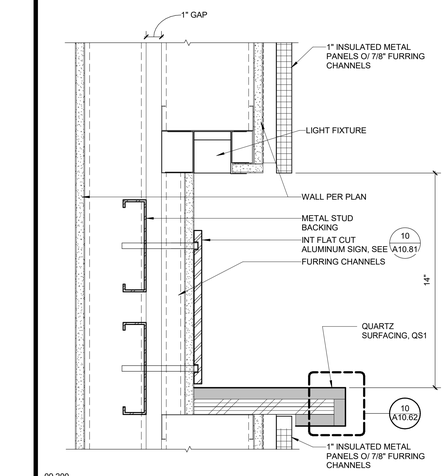
RECEPTION DESK - SECTION AT CW | 3
1 1/2" = 1'-0"



INT. CONCRETE BENCH | 23
1 1/2" = 1'-0"

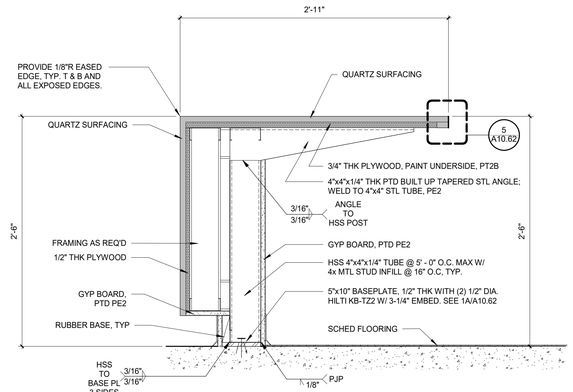


BUILT-IN SEATING AT PLANTER | 13
1 1/2" = 1'-0"



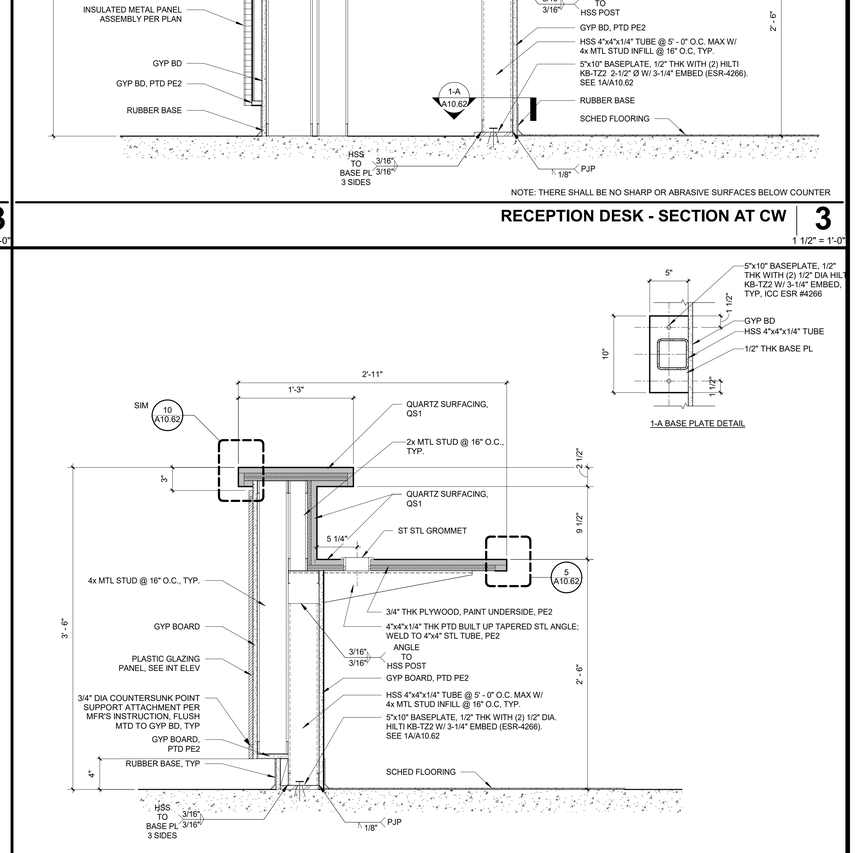
09.200

LOBBY ALCOVE | 21
3" = 1'-0"



NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

RECEPTION DESK - SECTION 02 | 11
1 1/2" = 1'-0"



NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

RECEPTION DESK - SECTION 01 | 1
1 1/2" = 1'-0"

8/5/2021 9:03:09 AM

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AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MILLWORK DETAILS

DSA APPROVAL

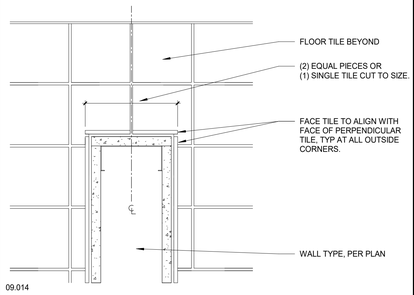
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

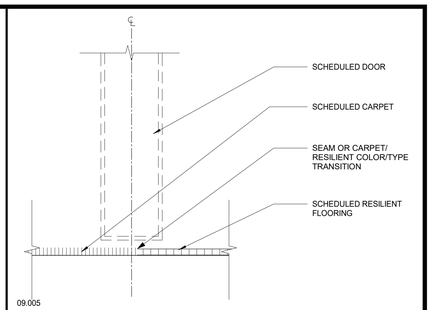
A10.62

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PRINT OF THIS SHEET'S ORIGINAL SIZE (D2)



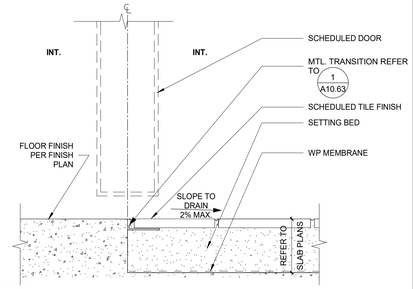
09.014

ENLARGED PLAN VIEW - TILE AT FACE OF WING WALL | 15
3" = 1'-0"



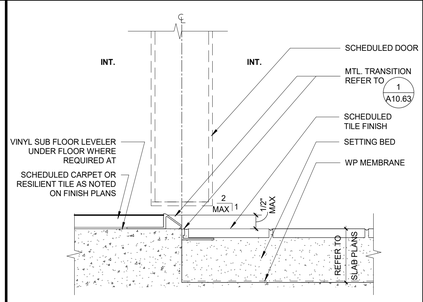
09.005

CARPET TO RESILIENT FLOORING TRANSITION | 5
6" = 1'-0"

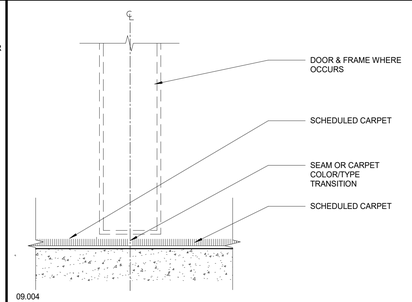


09.015

CONCRETE TO CERAMIC TILE TRANSITION | 14
6" = 1'-0"

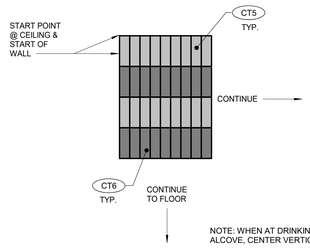


CARPET/ RESILIENT TILE TO CERAMIC TILE FLOORING TRANSITION | 9
6" = 1'-0"

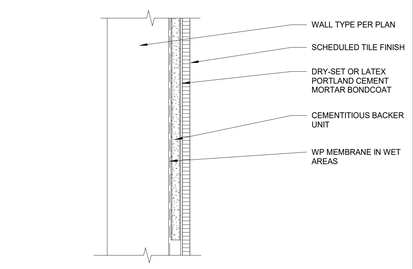


09.004

CARPET TO CARPET TRANSITION | 4
6" = 1'-0"

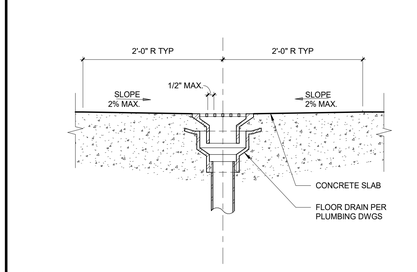


FIELD WALL TILE DETAIL | 18
1/2" = 1'-0"



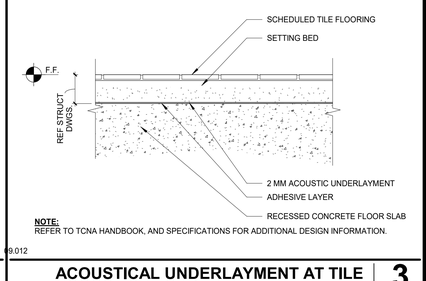
09.013

TYPICAL WALL TILE ASSEMBLY | 13
3" = 1'-0"



09.008

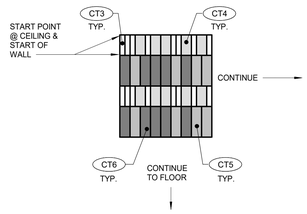
FLOOR DRAIN @ CONCRETE FLOOR | 8
1 1/2" = 1'-0"



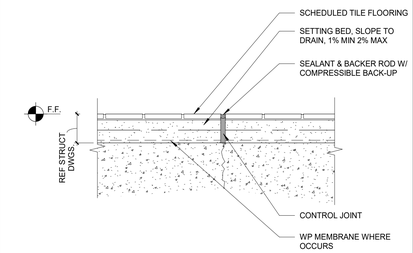
NOTE:
REFER TO TCNA HANDBOOK, AND SPECIFICATIONS FOR ADDITIONAL DESIGN INFORMATION.

09.012

ACOUSTICAL UNDERLAYMENT AT TILE FLOOR | 3
3" = 1'-0"



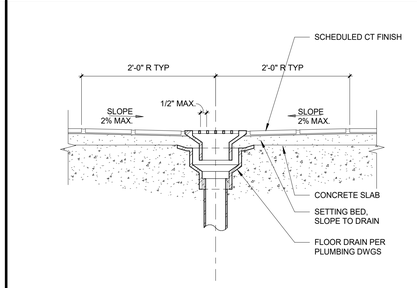
MAIN WALL TILE DETAIL | 17
1/2" = 1'-0"



NOTE:
REFER TO TCNA HANDBOOK, AND SPECIFICATIONS FOR ADDITIONAL DESIGN INFORMATION.
PROVIDE CONTROL JOINTS 12'-0" OC MAX UNO

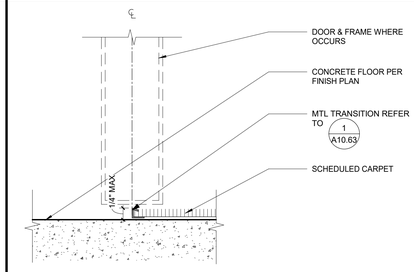
09.012

TYPICAL CONTROL JOINT AT TILE FLOOR | 12
3" = 1'-0"



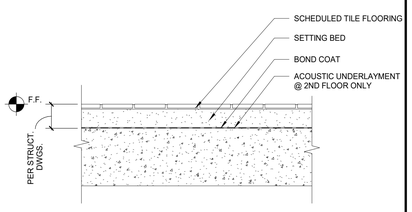
09.007

FLOOR DRAIN AT TILE | 7
1 1/2" = 1'-0"



09.002

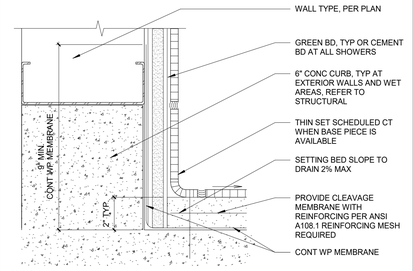
CONCRETE TO CARPET | 2
6" = 1'-0"



NOTE:
REFER TO TCNA HANDBOOK AND SPECIFICATIONS FOR ADDITIONAL DESIGN INFORMATION.

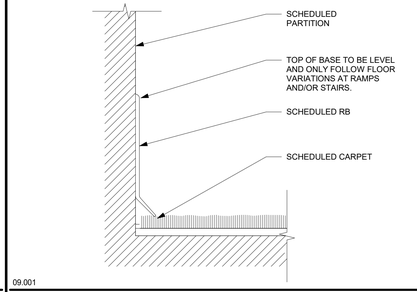
09.017

TYPICAL TILE FLOOR ASSEMBLY | 16
3" = 1'-0"



09.006

CERAMIC TILE BASE AT CONC CURB | 11
N.T.S.



09.001

TYP RESILIENT BASE DETAIL | 6
6" = 1'-0"

MTRL 1	MTRL 2	TRANSITION MATERIAL		
		MFR	PRODUCT	COLOR
CARPET & RESILIENT TILE	CERAMIC TILE	SCHLUTER	RENO-U AEU 100	AE
CONCRETE	CARPET	SCHLUTER	SCHIENE AE 45	AE
CONCRETE	CERAMIC TILE	SCHLUTER	SCHIENE AE 100	AE

FLOOR TRANSITION SCHEDULE | 1
NTS

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DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FINISH DETAILS

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A10.63

8/5/2021 9:03:18 AM

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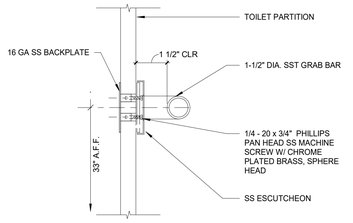
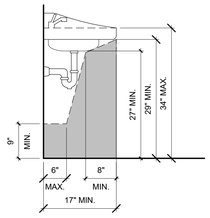


10.054

GRAB BAR BACKING @ TOILET PARTITION — 20 — 3" = 1'-0"



NOTES:

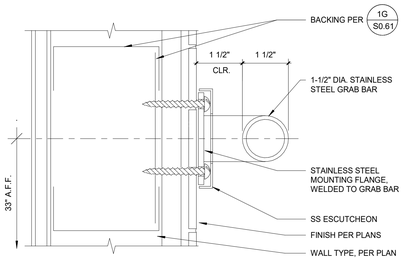
1. KNEE AND TOE SPACE (SHADED AREA) SHALL BE PROVIDED AS REQUIRED BY CBC FIGURE 11B-306.3. ALL WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED OR OTHERWISE COVERED PER CBC 11B-606.5. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.

2. SHADED AREA IS THE ACCESSIBLE CLEAR SPACE.

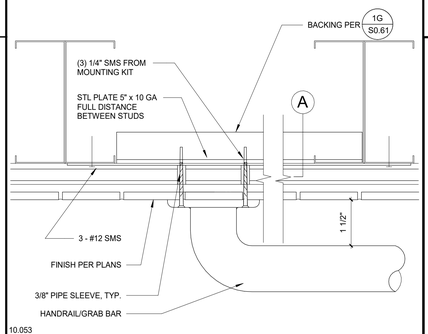
3. SINK DEPTH 6" MAX.

22.003

REQUIRED KNEE AND TOE CLEARANCES @ LAVS. — 15 — 3/4" = 1'-0"

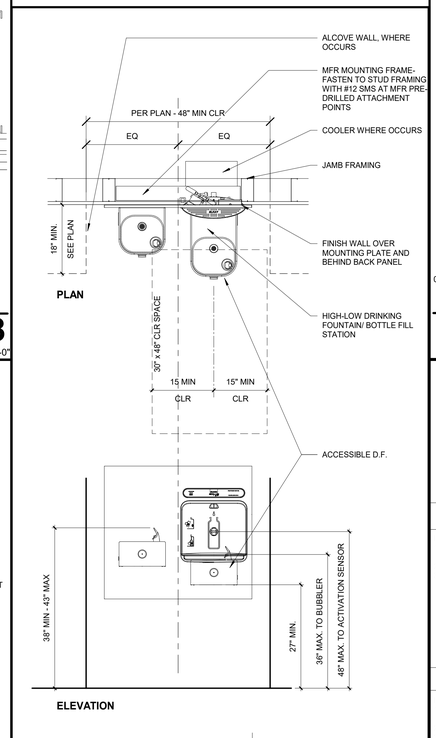


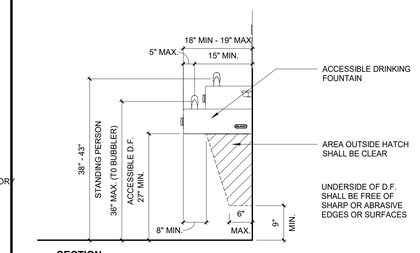
NOTE:
1. BAR MOUNTING AND FASTENERS SHALL WITHSTAND A LOADING OF 250#/FT. IN BENDING, SHEAR AND TENSION.
2. ADD NEW FULL HEIGHT STUD WHERE HANDRAIL CONNECTION OCCURS



10.053

MTL STUD BACKING @ GRAB BAR/HANDRAIL — 18 — 6" = 1'-0"



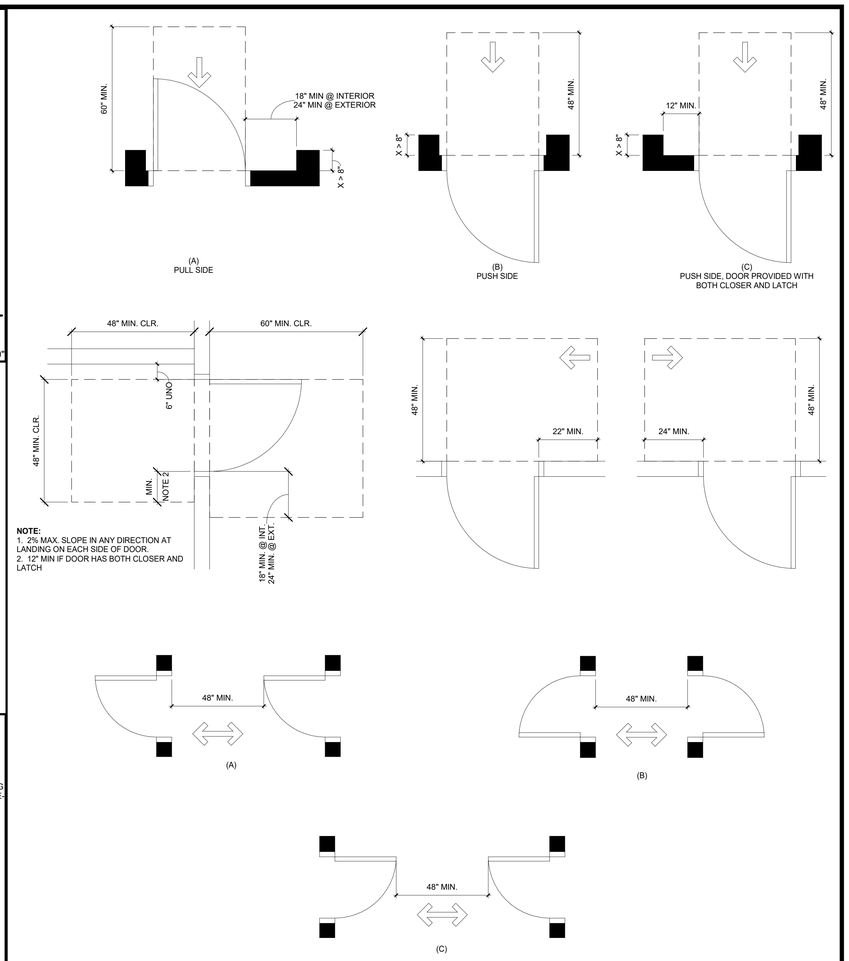


22.002

DRINKING FOUNTAIN DETAIL — 11 — 3/4" = 1'-0"

10.052

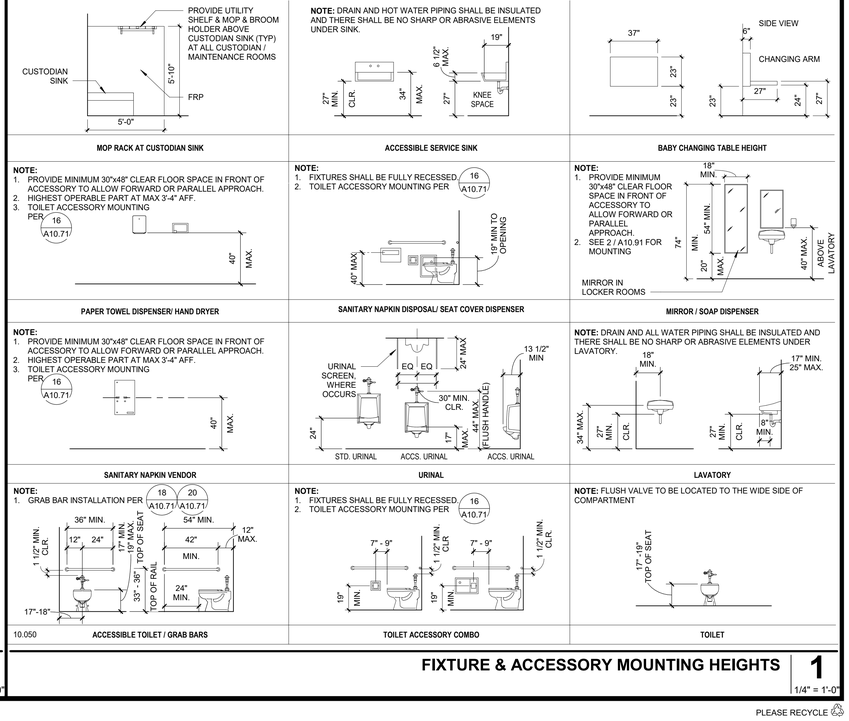
RECESSED & SEMI-RECESSED TOILET ACCESSORY @ NON-RATED WALLS — 16 — 1 1/2" = 1'-0"



NOTE:
1. 2% MAX. SLOPE IN ANY DIRECTION AT LANDING ON EACH SIDE OF DOOR.
2. 12" MIN IF DOOR HAS BOTH CLOSER AND LATCH

08.050

DOOR LANDING AND REQUIRED CLEARANCES — 3 — 1/2" = 1'-0"



10.050

FIXTURE & ACCESSORY MOUNTING HEIGHTS — 1 — 1/4" = 1'-0"

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
ACCESSIBILITY DETAILS

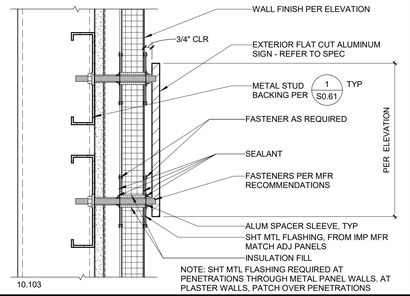
DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**
DATE: **08.05.2021** CLIENT PROJ NO:
SHEET:

A10.71

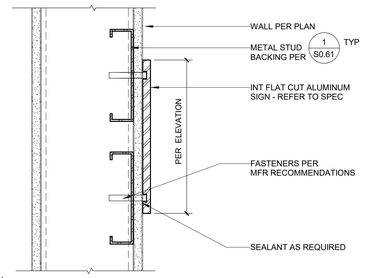
8/5/2021 9:03:24 AM

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT FULL SIZE ON 24"x36" ORIGINAL SHEET SIZE



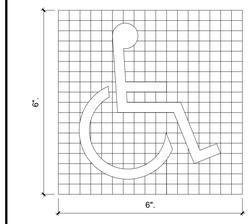
10.103

BUILDING FLAT CUT ALUMINUM SIGNAGE @ EXTERIOR | 15
3" = 1'-0"



10.101

BUILDING CAST ALUMINUM SIGNAGE @ INTERIOR | 10
3" = 1'-0"



NOTES:

1. GRID LINES ARE SHOWN FOR PROPORTION ONLY AND ARE NOT TO APPEAR AS PART OF SYMBOL.
2. SIGNAGE SHALL COMPLY WITH SECTION 11B-703.7 CALIFORNIA BUILDING CODE.

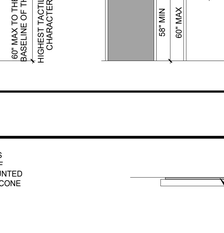
10.005

NOTE: SYMBOL PROPORTIONS SHALL APPROXIMATE CBC FIGURE 11B-703.7.2.1

ACCESSIBILTY SYMBOL | 5
1/8" = 1'-0"

10.102

BUILDING CAST ALUMINUM SIGNAGE @ EXTERIOR | 14
3" = 1'-0"



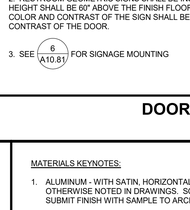
NOTES:

WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS, SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE, SUCH IDENTIFICATION SHALL:

1. BE LOCATED WITHIN 15 FEET (4572 MM) OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET (9144 MM) MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION
2. INCLUDE LETTERING NOT LESS THAN 3 INCHES (76 MM) IN HEIGHT WITH A MINIMUM 3/8-INCH (9.5 MM) STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING, "FIRE AND/OR SMOKE BARRIER–PROTECT ALL OPENINGS," OR OTHER WORDING

10.009

FIRE WALL SIGNAGE LOCATIONS | 9
1/4" = 1'-0"

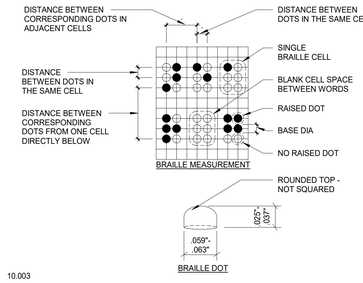


NOTES:

1. WHERE SIGNAGE IS INSTALLED ON GLASS, PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE AND COLOR TO MASK ADHESIVE.
2. ALL BLDG ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.

10.004

ACCESSIBILTY SIGN | 4
3" = 1'-0"



10.003

NOTES:

1. CHARACTER TYPE: CHARACTERS ON SIGN SHALL BE RAISED 1/32" MINIMUM AND SHALL BE "FUTURA MEDIUM" UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE
2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH
3. FINISH AND CONTRAST: CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH AND CONTRAST 70% MINIMUM WITH THEIR BACKGROUNDS.

CHARACTER & SYMBOLS - "APCO" COLOR #A01 WHITE, UNO

BACKGROUND - "APCO" COLOR #A54 GRAPHITE, UNO

INTEGRAL COLOR FRAME: "APCO" COLOR PEARL GREY, UNO

PANEL: 1/4" THICK ACRYLIC PANEL WITH PHOTO POLYMER RAISED TACTILE COPY SUB-SURFACE SYMBOL, UNO

4. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHERE BRAILLE IS REQUIRED, DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS AND HAVE DOMED OR ROUNDED TOPS. CBC TABLE 11B-703.3.1
5. EXTERIOR SIGNS SHALL BE METAL COMPONENTS SUITABLE TO EXTERIOR USE AND SIMILAR TO INTERIOR SIGNS FOR SHAPE AND FORM
6. CONTRACTOR TO SUBMIT A SCHEDULE TO VERIFY ALL PERMANENT NUMBERS AND TEXT PRIOR TO FABRICATION

*MEASURED CENTER TO CENTER

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 IN TO 0.063 IN
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL*	0.100 IN
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS*	0.300 IN
DOT HEIGHT	0.025 IN TO 0.037 IN
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW*	0.395 TO 0.400 IN

TACTILE CHARACTER & BRAILLE STANDARDS FOR SIGNAGE PER TITLE 24 | 3
1/4" = 1'-0"

10.002

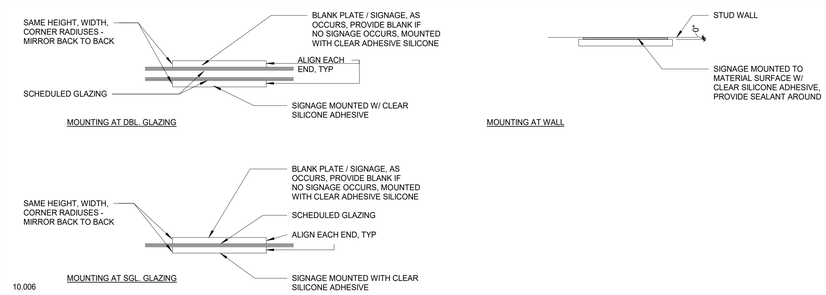
NOTE: AT RESTROOM SIGNAGE, CONTRAST DOOR TO GEOMETRIC SIGN 70% LIGHT/DARK

NOTES:

1. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL PREFERABLY ON THE RIGHT. 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 LEAVES, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. TACTILE CHARACTER HEIGHTS SHALL BE 48" MINIMUM ABOVE THE FINISH FLOOR TO THE BASELINE OF THE LOWEST TACTILE BRAILLE CELLS, AND HIGHEST LINE OF RAISED CHARACTERS SHALL BE 60" MAXIMUM ABOVE FINISH FLOOR.
FOR PAIRS OF DOORS WHERE DOOR SWING IS LIMITED TO 90 DEGREE, MOUNT SIGN 9" FROM EDGE OF DOOR. FOR PAIRS OF DOORS WHERE DOOR SWING EXCEEDS 90 DEGREES, MOUNT SIGN AT DOOR WIDTH PLUS 9" FROM EDGE OF DOOR. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN BY 18" MIN, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND THE 45 DEGREE OPEN POSITION. **REFER TO CBC 11B-703.4.2.**

2. RESTROOM GEOMETRIC SIGNS SHALL BE INSTALLED CENTERED ON THE DOOR. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. THE COLOR AND CONTRAST OF THE SIGN SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
3. SEE 6 A10.81 FOR SIGNAGE MOUNTING

DOOR SIGNAGE LOCATIONS | 2
1/4" = 1'-0"



10.006

MOUNTING AT WALL

TYP. ROOM IDENTIFICATION SIGN MOUNTING | 6
3" = 1'-0"

MATERIALS KEYNOTES:

1. ALUMINUM - WITH SATIN, HORIZONTALLY BRUSHED FINISH ALL AROUND UNLESS OTHERWISE NOTED IN DRAWINGS. SQUARE EASED CORNERS AND EDGES ALL AROUND. SUBMIT FINISH WITH SAMPLE TO ARCHITECT PRIOR TO FABRICATION.
2. ACRYLIC - PAINTED AS DESIGNATED IN DESIGN DRAWINGS. FINE SANDED AND SQUARED EASED CORNERS AND EDGES ALL AROUND.
3. ACRYLIC - CLEAR NON-GLARE ACRYLIC - MIZUBISHI, SHINKOLITE N2 001. FINE SANDED AND SQUARED EASED CORNERS AND EDGES ALL AROUND.
4. TACTILE COPY WITH BRAILLE. GRAVOTAC/ROUTER METHOD AND CLEAR BRAILLE BEEDS PLUG MOUNTED INTO SIGN SURFACE. GRAVOTAC TO BE SURFACE APPLIED TO SIGN PANEL PRIOR TO ROUTING. ROUTE MINIMAL DEPTH INTO SIGN PANEL TO INSURE VANDAL RESISTANCE. FABRICATOR TAKE NECESSARY PRECAUTIONS TO AVOID DISTORTION OF LETTER FORMS. SEE 3/A10.81 FOR ADDITIONAL INFORMATION.

PAINT COLOR KEYNOTES (LOW-SHEEN, TYP.):
S1. PROJECT GREY - PMS COOL GREY #2
S2. PROJECT - PMS WHITE
S3. PROJECT RED - PMS 201 RED

10.001

SIGNAGE MATERIALS & COLOR KEYNOTES | 1
12" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
SIGNAGE DETAILS

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

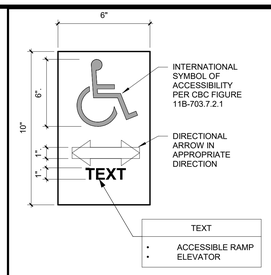
SHEET:

A10.81

8/5/2021 9:03:30 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 1" WHEN PRINTED ON AN EXTENDED ORIGINAL SHEET SIZE



NOTES:
1. PROVIDE WHERE INDICATED ON PLAN

SIZE:
AS NOTED

MATERIAL:
1/4" THICK ACRYLIC FINE SANDED AND SQUARED EASED CORNERS AND EDGES ALL AROUND

TEXT:
MIN 1/32" RAISED TEXT PER

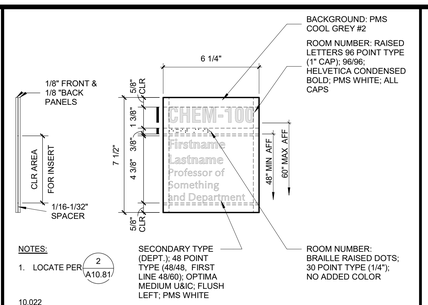
MOUNTING:
3M HIGH BOND TAPE AND SILICONE GLUE

COLOR - PLATE BACKGROUND:
BRUSHED ALUMINUM ANODIZED

COLOR - TEXT:
BLACK

10.017

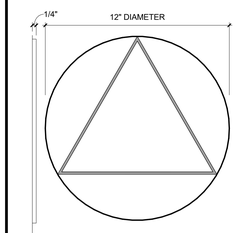
ACCESSIBILTY INFORMATIONAL SIGN | 20
3" = 1'-0"



NOTES:
1. LOCATE PER 2 A10.81

10.022

ROOM ID SIGN - SINGLE INSERT | 15
3" = 1'-0"



NOTES:
1. LOCATE PER 2 A10.81

MATERIAL:
1/8" CLEAR MATTE ACRYLIC LAMINATED ONTO 1/8" OPAQUE ACRYLIC

GRAPHICS:
MIN 1/32" RAISED PICTOGRAM

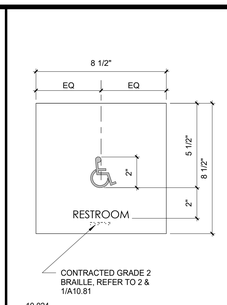
MOUNTING:
ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE CENTERED 60" AFF

PLATE BACKGROUND COLOR:
S1 PER DETAIL 1/A10.81, MIN 70% CONTRAST TO DOOR COLOR

PICTOGRAM:
S2 PER DETAIL 1/A10.81

10.011

UNISEX RESTROOM DOOR SIGNAGE | 10
3" = 1'-0"



NOTES:
1. LOCATE PER 2 A10.81
2. FOR ADDITIONAL TEXT & BRAILLE NOTES SEE DETAIL 3/A10.81.
3. TYPEFACE / SYMBOLS: HELVETICA CONDENSED BOLD

MATERIAL:
1/8" PLASTIC ACRYLIC

GRAPHICS:
WHITE RAISED (MIN. 1/32") SYMBOLS, HELVETICA CONDENSED BOLD TEXT, GRADE 2 BRAILLE ON BLUE BACKGROUND

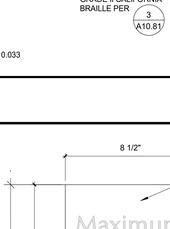
MOUNTING:
CENTERED 60" ABOVE FLOOR ON WALL ADJACENT TO LATCH SIDE OF DOOR, NO MORE THAN 12" AWAY FROM DOOR FRAME, ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE.

PLATE BACKGROUND COLOR:
S1 PER DETAIL 1/A10.81, MIN 70% CONTRAST TO DOOR COLOR

PICTOGRAM:
S2 PER DETAIL 1/A10.81

10.024

UNISEX RESTROOM ID SIGNAGE | 5
3" = 1'-0"



NOTES:
1. COMPLY W/ ARTICLE 4.30 & A4.30 OF ADAAG.
2. SEE FLOOR PLANS FOR LOCATIONS.

SIZE:
AS SHOWN WITH 5/8" HIGH TEXT

MATERIAL:
1/8" THICK ACRYLIC FINE SANDED AND SQUARED EASED CORNERS AND EDGES ALL AROUND

TEXT:
MIN 1/32" RAISED TEXT

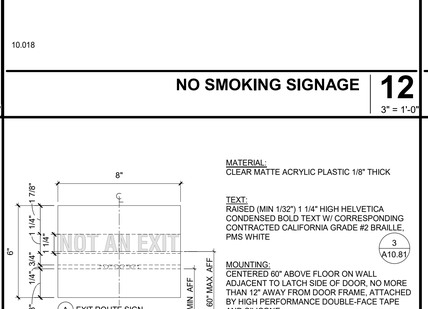
MOUNTING:
3M HIGH BOND TAPE AND SILICONE GLUE

COLOR - PLATE BACKGROUND:
S3 - PROJECT RED - PMS 201 RED

COLOR - TEXT:
S2 - PROJECT WHITE

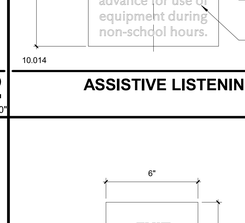
10.118

"FIRE SPRINKLER RISER INSIDE" SIGN | 19
3" = 1'-0"



NOTES:
1. LOCATE PER 2 A10.81

ROOM ID SIGN - DOUBLE INSERT | 14
3" = 1'-0"



NOTES:
1. LOCATE PER 2 A10.81

MATERIAL:
1/8" CLEAR MATTE ACRYLIC LAMINATED ONTO 1/8" OPAQUE ACRYLIC

GRAPHICS:
MIN 1/32" RAISED PICTOGRAM

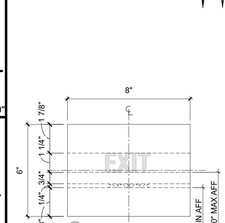
MOUNTING:
ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE CENTERED 60" AFF

PLATE BACKGROUND COLOR:
S1 PER DETAIL 1/A10.81, MIN 70% CONTRAST TO DOOR COLOR

PICTOGRAM:
S2 PER DETAIL 1/A10.81

10.031

MEN'S RESTROOM DOOR SIGNAGE | 9
3" = 1'-0"



NOTES:
1. LOCATE PER 2 A10.81
2. FOR ADDITIONAL TEXT & BRAILLE NOTES SEE DETAIL 3/A10.81.
3. TYPEFACE / SYMBOLS: HELVETICA CONDENSED BOLD

MATERIAL:
1/8" PLASTIC ACRYLIC

GRAPHICS:
WHITE RAISED (MIN. 1/32") SYMBOLS, HELVETICA CONDENSED BOLD TEXT, GRADE 2 BRAILLE ON BLUE BACKGROUND

MOUNTING:
CENTERED 60" ABOVE FLOOR ON WALL ADJACENT TO LATCH SIDE OF DOOR, NO MORE THAN 12" AWAY FROM DOOR FRAME, ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE.

PLATE BACKGROUND COLOR:
S1 PER DETAIL 1/A10.81, MIN 70% CONTRAST TO DOOR COLOR

PICTOGRAM:
S2 PER DETAIL 1/A10.81

10.021

MEN'S RESTROOM ID SIGNAGE | 4
3" = 1'-0"

NOTES:
1. TO BE POSTED WHERE FIRE ALARM CONTROL PANEL IS LOCATED PER PLAN

SIZE:
AS SHOWN WITH 5/8" HIGH TEXT

MATERIAL:
1/4" THICK ACRYLIC FINE SANDED AND SQUARED EASED CORNERS AND EDGES ALL AROUND

TEXT:
MIN 1/32" RAISED TEXT

MOUNTING:
3M HIGH BOND TAPE AND SILICONE GLUE

COLOR - PLATE BACKGROUND:
S3 - PROJECT RED - PMS 201 RED

COLOR - TEXT:
S2 - PROJECT WHITE

10.029

FIRE ALARM SIGNAGE | 18
1 1/2" = 1'-0"

NOTES:
1. LOCATE PER 2 A10.81

10.022

ROOM ID SIGN - PERMANENT | 13
3" = 1'-0"

NOTES:
1. LOCATE PER 2 A10.81

MATERIAL:
1/8" CLEAR MATTE ACRYLIC LAMINATED ONTO 1/8" OPAQUE ACRYLIC

GRAPHICS:
MIN 1/32" RAISED PICTOGRAM

MOUNTING:
ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE CENTERED 60" AFF

PLATE BACKGROUND COLOR:
S1 PER DETAIL 1/A10.81, MIN 70% CONTRAST TO DOOR COLOR

PICTOGRAM:
S2 PER DETAIL 1/A10.81

10.028

WOMEN'S RESTROOM DOOR SIGNAGE | 8
3" = 1'-0"

NOTES:
1. LOCATE PER 2 A10.81
2. FOR ADDITIONAL TEXT & BRAILLE NOTES SEE DETAIL 3/A10.81.
3. TYPEFACE / SYMBOLS: HELVETICA CONDENSED BOLD

MATERIAL:
1/8" PLASTIC ACRYLIC

GRAPHICS:
WHITE RAISED (MIN. 1/32") SYMBOLS, HELVETICA CONDENSED BOLD TEXT, GRADE 2 BRAILLE ON BLUE BACKGROUND

MOUNTING:
CENTERED 60" ABOVE FLOOR ON WALL ADJACENT TO LATCH SIDE OF DOOR, NO MORE THAN 12" AWAY FROM DOOR FRAME, ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE.

PLATE BACKGROUND COLOR:
S1 PER DETAIL 1/A10.81, MIN 70% CONTRAST TO DOOR COLOR

PICTOGRAM:
S2 PER DETAIL 1/A10.81

10.020

WOMEN'S RESTROOM ID SIGNAGE | 3
3" = 1'-0"

MATERIAL:
1/4" THICK ACRYLIC FINE SANDED AND SQUARED EASED CORNERS AND EDGES ALL AROUND

TEXT:
MIN 1/32" RAISED TEXT PER

MOUNTING:
3M HIGH BOND TAPE AND SILICONE GLUE

COLOR: PLATE BACKGROUND COVER:
S1 - PROJECT GREY - PMS COOL GREY #2

COLOR: PICTOGRAM & TEXT:
S2 - PROJECT WHITE

10.033

TAKE THE STAIR SIGN | 17
3" = 1'-0"

NOTES:
1. PROVIDE SIGNS AT MAIN ALL EXTERIOR ENTRANCE DOORS UNO
2. LOCATE "NO SMOKING" SIGNAGE ON DOOR SIDELIGHT, 60" AFF
3. SIGN TO BE A TRANSLUSCENT DECAL

10.018

NO SMOKING SIGNAGE | 12
3" = 1'-0"

MATERIAL:
1/8" THICK ETCHED PHOTOPOLYMER

GRAPHICS:
RAISED (MIN. 1/32") TEXT. IS A SYMBOL PER 3/A10.81

MOUNTING:
ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE

COLOR - PLATE BACKGROUND:
PROJECT GREY - PMS COOL GREY #2

COLOR - TEXT AND GRAPHICS:
PMS WHITE

SYMBOL SHALL APPROXIMATE CBC FIGURE 11B-703.7.2.4

S2
SCREENPRINT COPY IN HELVETICA CONDENSED BOLD, TYP.

S2
5/8" HIGH COPY, 1/2" LEADING IN HELVETICA CONDENSED BOLD

10.014

ASSISTIVE LISTENING DEVICE SIGN | 7
3" = 1'-0"

MATERIAL:
CLEAR MATTE ACRYLIC PLASTIC 1/8" THICK

TEXT:
RAISED (MIN 1/32") 1 1/4" HIGH HELVETICA CONDENSED BOLD TEXT W/ CORRESPONDING CONTRACTED CALIFORNIA GRADE #2 BRAILLE, PMS WHITE. SEE 3 A10.81

MOUNTING:
CENTERED 60" ABOVE FLOOR ON WALL ADJACENT TO LATCH SIDE OF DOOR, NO MORE THAN 12" AWAY FROM DOOR FRAME, ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE

COLOR - PLATE BACKGROUND:
S1 PER DETAIL 1 A10.81

COLOR - TEXT:
S2 PER DETAIL 1 A10.81

NOTES:
1. COMPLY WITH ARTICLE 4.30 & A4.30 OF ADAAG.
2. SEE FLOOR PLANS FOR LOCATION.
3. LOCATE SIGN PER DETAIL. 2 A10.81
4. WHERE SIGNAGE IS INSTALLED ON GLASS, PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE, AND COLOR TO MASK ADHESIVE, REFER TO 6 A10.81
5. FOR CHARACTER AND BRAILLE STANDARDS, REFER TO 3 A10.81
6. FOR MATERIAL AND COLOR KEYNOTES, REFER TO 1 A10.81

10.019

TACTILE "EXIT" SIGNAGE | 1
3" = 1'-0"

NOTES:
1. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
2. FOR MATERIAL AND COLOR KEYNOTES, REFER TO 1 A10.81

10.032

OCCUPANT LOAD SIGN | 16
3" = 1'-0"

MATERIAL:
CLEAR MATTE ACRYLIC PLASTIC 1/8" THICK

TEXT:
RAISED (MIN 1/32") 1 1/4" HIGH HELVETICA CONDENSED BOLD TEXT W/ CORRESPONDING CONTRACTED CALIFORNIA GRADE #2 BRAILLE, PMS WHITE
3 A10.81

MOUNTING:
CENTERED 60" ABOVE FLOOR ON WALL ADJACENT TO LATCH SIDE OF DOOR, NO MORE THAN 12" AWAY FROM DOOR FRAME, ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE

COLOR - PLATE BACKGROUND:
S1 PER DETAIL 1/A10.81

COLOR - TEXT:
S2 PER DETAIL 1/A10.81

TACTILE NOT AN EXIT SIGNAGE | 11
3" = 1'-0"

MATERIALS:
1/4" THICK ETCHED PHOTOPOLYMER

GRAPHICS:
RAISED (MIN 1/32") 1 1/4" HIGH HELVETICA CONDENSED BOLD TEXT W/ CORRESPONDING CONTRACTED CALIFORNIA GRADE #2 BRAILLE, PMS WHITE

MOUNTING:
CENTERED 60" ABOVE FLOOR ON WALL ADJACENT TO LATCH SIDE OF DOOR, NO MORE THAN 12" AWAY FROM DOOR FRAME, ATTACHED BY HIGH PERFORMANCE DOUBLE-FACE TAPE AND SILICONE.

COLOR - PLATE BACKGROUND COVER:
S1 - PER DETAIL 1/A10.81

COLOR - TEXT:
S2 - PER DETAIL 1/A10.81

CONTRACTED GRADE II BRAILLE PER 3 A10.81

10.025

STAIRWAY IDENTIFICATION SIGNAGE | 6
3" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19982 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
SIGNAGE DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

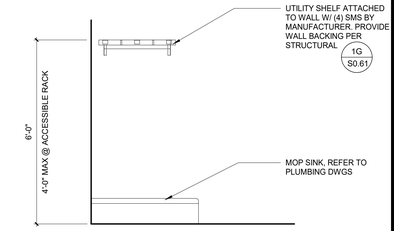
SHEET:

A10.82

8/5/2021 9:03:41 AM

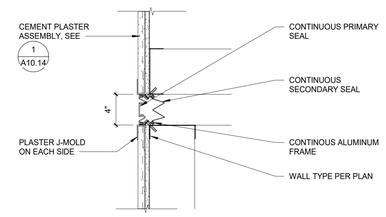
PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 3" LONG WHEN PLOTTED ON EXTENTS ORIGINAL SHEET SIZE



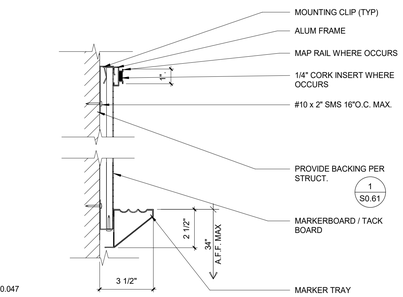
10.045

UTILITY SHELF W/ MOP BRACKETS | **5** 1/2" = 1'-0"



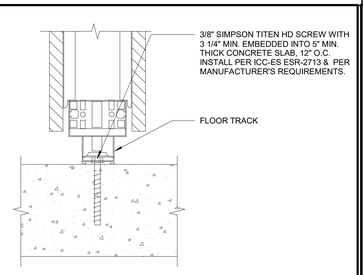
07.030

SEISMIC JOINT AT PLASTER FINISH | **4** 1 1/2" = 1'-0"

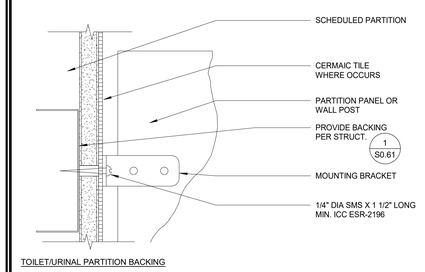


10.047

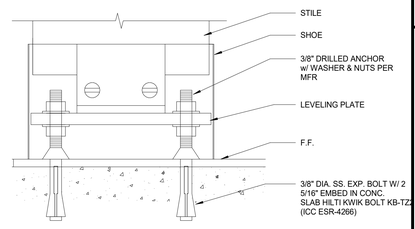
WHITE BOARD / TACK BOARD | **3** 3" = 1'-0"



WALL SYSTEM FURNITURE FLOOR ATTACHMENT DETAIL | **12** 3" = 1'-0"



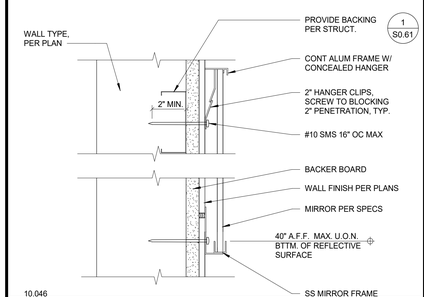
TOILET/URINAL PARTITION BACKING



TOILET PARTITION ATTACHMENT TO FLOOR

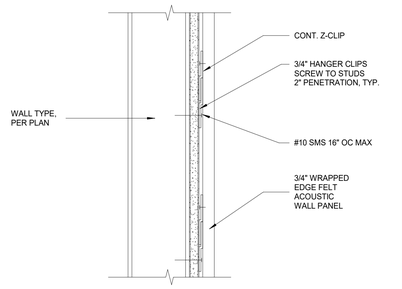
NOTE:
10.044 VERIFY W/ PARTITION MFR FOR BACKING LOCATIONS

TOILET / URINAL PARTITION MOUNTING | **6** 6" = 1'-0"

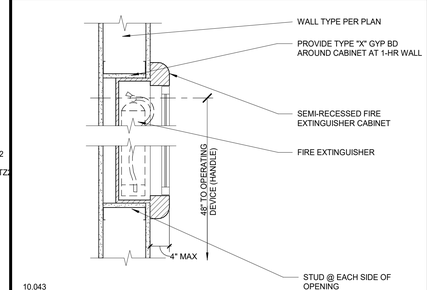


10.046

MIRROR MOUNT | **2** 3" = 1'-0"



AWP - ATTACHMENT DETAIL | **11** 3" = 1'-0"



10.043

SEMI-RECESSED FIRE EXTINGUISHER CABINET | **1** 1 1/2" = 1'-0"

PLEASE RECYCLE

8/5/2021 9:03:46 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALYER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MISCELLANEOUS DETAILS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

A10.91

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLANS
IF NOT 1" ON THIS SHEET IT'S ORIGINAL SCALE SIZE

CHAFFEY COLLEGE CHINO INSTRUCTIONAL BUILDING

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S0.XX SERIES - GENERAL NOTES		
S0.00	COVER SHEET AND SHEET LIST	
S0.01	GENERAL NOTES	
S0.02	GENERAL NOTES	
S0.03	GENERAL NOTES	
S0.04	GENERAL NOTES	
S0.05	GENERAL NOTES	
S0.06	ABBREVIATIONS	
S0.XX SERIES - TYPICAL DETAILS		
S0.11	TYPICAL REINFORCING STEEL DETAILS	
S0.12	TYPICAL CONCRETE DETAILS	
S0.13	TYPICAL CONCRETE DETAILS	
S0.41	TYPICAL STEEL NON-FRAME DETAILS	
S0.42	TYPICAL STEEL HSS & MISC DETAILS	
S0.51	TYPICAL STEEL DECK DETAILS	
S0.52	TYPICAL STEEL DECK DETAILS	
S0.53	TYPICAL DETAILS - METAL DECK	
S0.61	TYPICAL DETAILS - METAL STUDS	
S0.62	TYPICAL DETAILS - METAL STUDS	
S0.63	TYPICAL DETAILS - METAL STUD WALL AT CONCRETE FILLED DECK	
S0.64	TYPICAL DETAILS - METAL STUD WALL AT BARE METAL DECK	
S0.65	TYPICAL DETAILS - METAL STUD WALL AT CONCRETE FILLED	
S0.66	TYPICAL DETAILS - METAL STUD WALL TO BARE METAL DECK	
S0.70	TYPICAL DETAILS - UNISTRUT	
S0.91	TYPICAL VERTICAL TRANSPORTATION DETAILS	
S1.XX SERIES - 3D VIEWS, OVERALL SECTIONS & DIAGRAMS		
S1.00	3D - ISOMETRIC VIEWS	
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S2.10B	1ST FLOOR FOUNDATION - SEGMENT B	
S2.20	2ND FLOOR FRAMING PLAN - OVERALL	
S2.20A	2ND FLOOR FRAMING PLAN - SEGMENT A	
S2.20B	2ND FLOOR FRAMING PLAN - SEGMENT B	
S2.30	LOW ROOF FRAMING PLAN - OVERALL	
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S2.40A	ROOF FRAMING PLAN - SEGMENT A	
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S7.06	WALL SECTIONS	
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Sheet Number	Sheet Name	Issue For 01
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S8.21	DETAILS AND SECTIONS	
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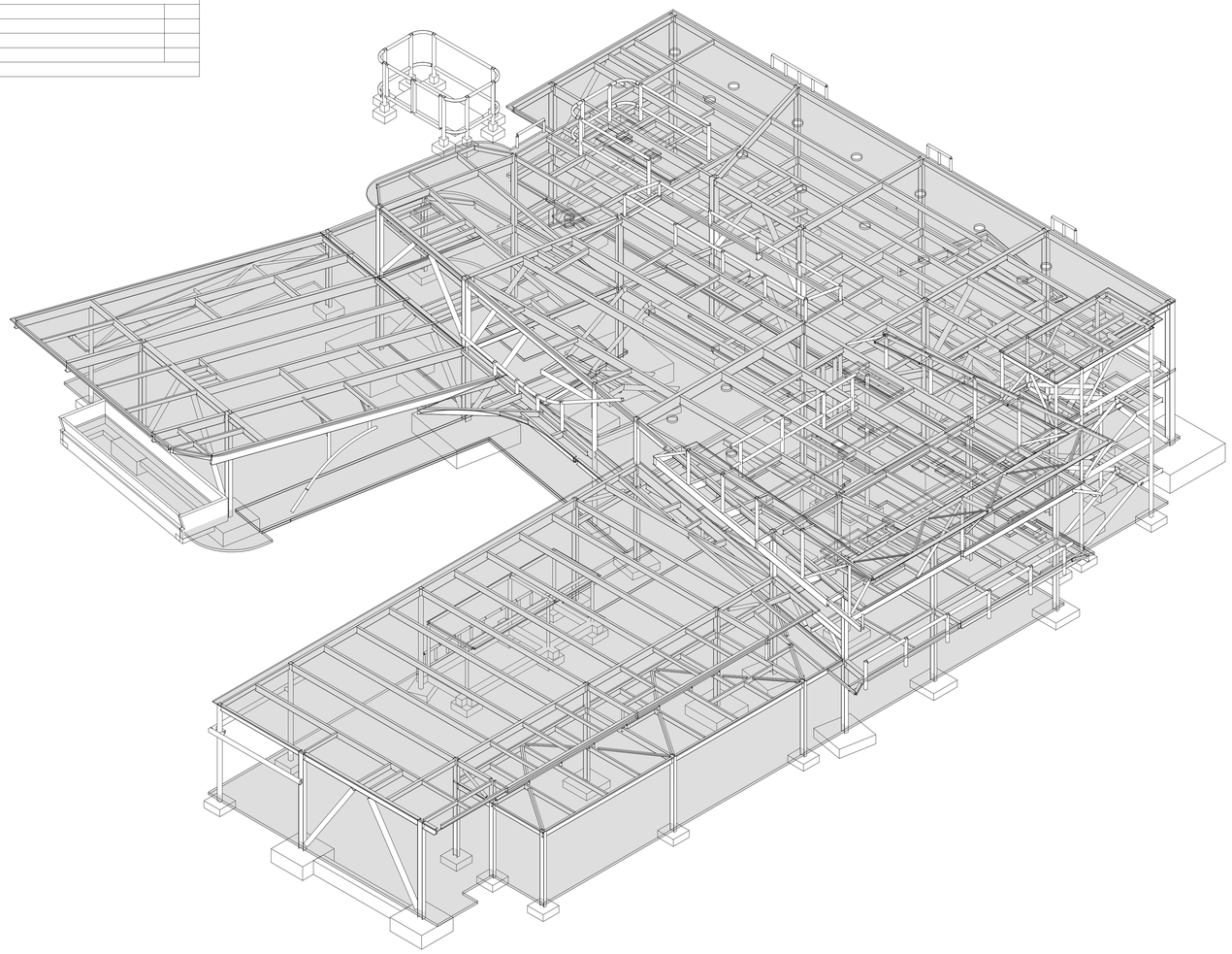
Grand total: 89		



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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

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6th Floor
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Telephone 626.304.2616
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REGISTERED PROFESSIONAL ENGINEER
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No. 40053
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

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SHEET:

S0.00

GENERAL

1. ALL WORK SHALL CONFORM TO THE STANDARDS OF THE 2019 CALIFORNIA BUILDING CODE, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.

2. THE PROJECT MANUAL FORMS A PART OF THESE GENERAL NOTES. CODES, STANDARDS, AND SPECIFICATIONS, INCLUDING ADDENDA AND SUPPLEMENTS, REFERENCED IN THE CONTRACT DOCUMENTS SHALL BE THE LATEST APPROVED ISSUE, UNLESS SPECIFICALLY NOTED.

3. NOTES AND DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. IF CONFLICT OCCURS BETWEEN THE CONTRACT DRAWINGS AND THE PROJECT MANUAL, IMMEDIATELY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) FOR RESOLUTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS.

4. DESIGN LIVE LOADS ARE NOTED ON DRAWINGS.

5. RISK CATEGORY = III

6. CODE LEVEL WIND DESIGN DATA:

   a. DESIGN WIND SPEED, V_{ULT} (ULTIMATE) = 110 MPH
   b. EXPOSURE CATEGORY = C
   c. ENCLOSURE CLASSIFICATION = ENCLOSED BUILDING
   d. INTERNAL PRESSURE COEFFICIENT, GCpi = ± 0.18

7. CODE LEVEL EARTHQUAKE DESIGN DATA: SITE SPECIFIC EARTHQUAKE DESIGN DATA

   a. SITE COORDINATES = 33.992788 °N, -117.675409 °W
   b. MAPPED SPECTRAL RESPONSE ACCELERATION, S_S = 2.070g
   c. MAPPED SPECTRAL RESPONSE ACCELERATION, S_1 = 0.897g
   d. SITE CLASS = D
   e. DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{DS} = 1.380g
   f. DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{D1} = 1.016g
   g. IMPORTANCE FACTOR, I_E = 1.25
   h. SEISMIC DESIGN CATEGORY = E

      MAIN TRUCTURE:
      - REDUNDANCY FACTOR = 1.3
      - SEISMIC RESPONSE COEFFICIENT, C_S = 0.216
      - BASIC SEISMIC-FORCE RESISTING SYSTEM = EBF
      - RESPONSE MODIFICATION FACTOR, R = 8
      - ANALYTICAL PROCEDURE = MODAL RESPONSE SPECTRUM
      - DESIGN BASE SHEAR = 609 KIPS
      - SEISMIC BASE = GROUND LEVEL

      SUCCESS STRUCTURE:

      - SEISMIC RESPONSE COEFFICIENT, C_S = 0.49
      - BASIC SEISMIC-FORCE RESISTING SYSTEM = OMF
      - RESPONSE MODIFICATION FACTOR, R = 3.5
      - ANALYTICAL PROCEDURE = EQUIVALENT LATERAL FORCE
      - TOTAL SEISMIC WEIGHT = 6.20 KIPS
      - DESIGN BASE SHEAR = 3.04 KIPS

8. GOVERNING CODE AUTHORITY: DIVISION OF THE STATE ARCHITECT (DSA).

9. CONTRACT DOCUMENTS INDICATE INFORMATION SUFFICIENT TO CONVEY DESIGN INTENT. REVIEW CONTRACT DOCUMENTS AND VERIFY FIELD AND EXISTING CONDITIONS. PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER), PRIOR TO PROCEEDING WITH WORK, IF FURTHER CLARIFICATION OF DESIGN INTENT IS NEEDED.

10. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ARCHITECT (STRUCTURAL ENGINEER) OF ANY DISCREPANCIES.

11. PERFORM STRUCTURAL RELATED WORK AND DEVELOP SHOP DRAWINGS CONSIDERING CONTRACT DOCUMENTS IN THEIR ENTIRETY. CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS DETAILED FOR SIMILAR WORK.

12. CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURE DURING CONSTRUCTION. COMPLY WITH THE STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH REGULATIONS. CONSTRUCTION MATERIALS, IF PLACED ON FRAMED FLOORS AND ROOFS, SHALL BE SPREAD OUT SUCH THAT THE DESIGN LIVE LOAD PER SQUARE FOOT IS NOT EXCEEDED. PROVIDE ADEQUATE SHORING IF OVERLOAD IS ANTICIPATED OR WHERE STRUCTURAL ELEMENTS HAVE NOT ATTAINED FULL DESIGN STRENGTH. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT CONSTITUTE ACCEPTANCE OF CONSTRUCTION MEANS AND METHODS.

13. SUBMIT SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION. CONTRACTOR SHALL REVIEW FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS PRIOR TO SUBMISSION TO ARCHITECT (STRUCTURAL ENGINEER). ARCHITECT'S (STRUCTURAL ENGINEER'S) REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN INTENT AND DOES NOT CONSTITUTE AN AUTHORIZATION TO DEVIATE FROM TERMS AND CONDITIONS OF CONTRACT. WHEN INDICATED, THE SUBMITTAL SHALL BE SIGNED AND SEALED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. MAINTAIN AT SITE A COPY OF REVIEWED AND ACCEPTED SUBMITTALS.

14. MODIFICATIONS AND SUBSTITUTIONS MUST BE ACCEPTED IN WRITING BY ARCHITECT (STRUCTURAL ENGINEER). NO MODIFICATION OR SUBSTITUTION WILL BE ACCEPTED VIA SHOP DRAWING REVIEW. MANUFACTURED MATERIALS SHALL BE APPROVED BY THE GOVERNING CODE AUTHORITY PRIOR TO THEIR USE. ADHERE TO ALL CONDITIONS OF THOSE APPROVALS.

15. EQUIPMENT MANUFACTURER SHALL PROVIDE EQUIPMENT ANCHORAGE TO THE STRUCTURE MEETING THE REQUIREMENTS OF ASCE/SEI 7, CHAPTER 13.6. USE ISOLATORS, FASTENERS AND BRACING HAVING CURRENT ICC-ES OR IAPMO UES EVALUATION REPORT. EQUIPMENT ANCHORAGE SHALL BE CAPABLE OF TRANSMITTING CODE REQUIRED LATERAL LOADS BUT IN NO EVENT LESS THAN A LATERAL LOAD EQUIVALENT TO 30 PERCENT OF THE OPERATING WEIGHT OF EQUIPMENT. SECURE SUSPENDED EQUIPMENT WITH LATERAL OR SWAY BRACING HAVING CURRENT ICC-ES OR IAPMO UES EVALUATION REPORT.

16. PIPING AND DUCTWORK BRACING SHALL BE IN ACCORDANCE WITH THE SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) "SEISMIC RESTRAINT MANUAL - GUIDELINES FOR MECHANICAL SYSTEMS", INCLUDING ADDENDA.

17. "TYPICAL DETAILS" ARE APPLICABLE THROUGHOUT CONSTRUCTION DOCUMENTS AND MAY NOT BE SPECIFICALLY REFERENCED THEREIN. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THESE TYPICAL DETAILS AND UNDERSTANDING EXTENT OF THEIR APPLICATION PRIOR TO PERFORMING WORK.

18. UNLESS SPECIFICALLY SHOWN ON THE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED OR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.

19. SEE ARCHITECTURAL DRAWINGS FOR:
    a. SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS IN STRUCTURAL WALLS
    b. SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS AND SLAB EDGES
    c. SIZE AND LOCATION OF NON-BEARING CMU WALLS AND OPENINGS THEREIN
    d. SIZE AND LOCATION OF CONCRETE CURBS, SLOPES, DEPRESSIONS, CHANGES IN LEVEL, CHAMFERS AND REVEALS, INSERTS FOR FINISH SYSTEMS.
    e. EXTERIOR WALL SYSTEM AND LOCATION
    f. STAIR SIZE AND LOCATION, FRAMING AND DETAILS
    g. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS

20. SEE MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR:
    a. SIZE AND LOCATION OF EQUIPMENT PADS, EQUIPMENT ANCHORAGE TO STRUCTURE, AND EQUIPMENT WEIGHTS
    b. ANCHORAGE OF DUCTWORK, PIPING, ELECTRICAL CONDUITS TO STRUCTURE
    c. ELECTRICAL CONDUIT RUNS, OUTLETS AND BOXES IN CONCRETE SLABS AND WALLS
    d. PIPE SLEEVES, TRENCHES, AND OPENINGS THROUGH WALLS AND SLABS FOR DUCTWORK, PIPE RUNS, ELECTRICAL CONDUIT RUNS

GENERAL (CONTINUED)

21. MECHANICAL, ELECTRICAL AND PLUMBING LOADS SHALL BE SUPPORTED FROM BEAMS. EXCEPTION: LIGHT MECHANICAL, ELECTRICAL AND PLUMBING LOADS MAY BE SUPPORTED BY CONCRETE-ON-METAL DECK ASSEMBLY, BUT MUST BE ANCHORED INTO STRUCTURAL CONCRETE BY A SYSTEM HAVING CURRENT ICC-ES OR IAPMO UES EVALUATION REPORT.

22. NON-STRUCTURAL ITEMS, INCLUDING BUT NOT LIMITED TO, STAIR FRAMING, ARCHITECTURAL CLADDING, ETC., WHEN NOT DETAILED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS, SHALL BE THE DESIGN RESPONSIBILITY OF THE CONTRACTOR. THESE NON-STRUCTURAL ITEMS MAY BE SUPPORTED BY THE PRIMARY STRUCTURE, BUT SHALL NOT IMPOSE TORSIONAL LOADS ONTO THE PRIMARY SUPPORT MEMBERS. PROVIDE BRACES, KICKERS, STIFFENERS, ETC., AS NECESSARY TO ELIMINATE TORSIONAL LOADS AT NO ADDITIONAL COSTS TO THE OWNER.

EXCAVATION SHORING (DESIGN-BUILD)

1. DESIGN OF EXCAVATION SHORING SYSTEM SHALL BE BASED ON RECOMMENDATIONS IN GEOTECHNICAL ENGINEERING INVESTIGATION REPORT BY GEOCON WEST INC, DATED FEBRUARY 14, 2020 AND ALL SUBSEQUENT ADDENDA. GEOTECHNICAL REPORT AND ADDENDA SHALL BE CONSIDERED PART OF THESE CONTRACT DOCUMENTS AND SHALL BE KEPT AT JOB SITE AT ALL TIMES.

2. SUBMIT EXCAVATION SHORING SHOP DRAWINGS AND STRUCTURAL CALCULATIONS TO ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW AND GOVERNING CODE AUTHORITY FOR APPROVAL. STRUCTURAL CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.

3. CONTRACTOR SHALL PROVIDE FOR DEWATERING OF EXCAVATIONS FROM GROUND WATER. DEWATERING SHALL EFFECTIVELY ELIMINATE ANY HYDROSTATIC PRESSURE ON SHORING. ENSURE THAT CONTAMINATED WATER IS NOT DISPOSED OF IN PUBLIC SEWER OR STORM DRAIN SYSTEM AND ENSURE THAT DIRTY WATER IS NOT DISPOSED OF INTO PUBLIC RIGHT-OF-WAY.

4. SURFACE WATER SHALL NOT BE ALLOWED TO POND ON TOP OF EXCAVATIONS AND SHALL BE PREVENTED FROM ENTERING EXCAVATION OVER TOP OF SHORING.

5. EXCAVATION SHORING SHALL BE MONITORED AS FOLLOWS:

   a. ESTABLISH CONTROL POINTS AT THE TOP OF ALL PILES TO MONITOR HORIZONTAL AND VERTICAL MOVEMENTS. LATERAL MOVEMENT ALONG THE ENTIRE LENGTH OF PILES SELECTED BY THE GEOTECHNICAL ENGINEER SHALL ALSO BE MONITORED. A SURVEYOR LICENSED IN THE STATE OF CALIFORNIA SHALL OBTAIN ALL MOVEMENT READINGS. SUBMIT INITIAL READINGS TO ARCHITECT (STRUCTURAL ENGINEER), GEOTECHNICAL ENGINEER, AND GOVERNING CODE AUTHORITY, PRIOR TO EXCAVATING. SUBMIT MOVEMENT REPORTS WEEKLY AS EXCAVATION PROGRESSES AND THROUGHOUT CONSTRUCTION PERIOD UNTIL PERMANENT SUPPORT IS PROVIDED. OBTAIN ADDITIONAL READINGS WHEN REQUESTED BY ARCHITECT (STRUCTURAL ENGINEER), GEOTECHNICAL ENGINEER, OR GOVERNING CODE AUTHORITY.
   b. IF HORIZONTAL OR VERTICAL MOVEMENT AT THE TOP OF SHORED EMBANKMENT EXCEEDS 1/2 INCH, DISCONTINUE EXCAVATING IMMEDIATELY. ARCHITECT (STRUCTURAL ENGINEER), SHORING ENGINEER, AND GEOTECHNICAL ENGINEER WILL EVALUATE SUCH MOVEMENT AND RECOMMEND CORRECTIVE MEASURES, IF NECESSARY, BEFORE CONTINUING WITH EXCAVATION.
   c. LOADS ON SELECTED ANCHORS SHALL BE CHECKED PERIODICALLY AS REQUIRED BY GEOTECHNICAL ENGINEER.

FOUNDATIONS

1. DESIGN OF FOUNDATION SYSTEM BASED ON RECOMMENDATIONS IN REPORT OF GEOTECHNICAL ENGINEERING INVESTIGATION, BY GEOCON WEST, INC., DATED FEBRUARY 14, 2020, AND ALL SUBSEQUENT ADDENDA. REPORT OF GEOTECHNICAL ENGINEERING INVESTIGATION AND ADDENDA SHALL BE CONSIDERED PART OF THESE CONTRACT DOCUMENTS AND SHALL BE KEPT AT JOB SITE AT ALL TIMES.

2. ISOLATED SPREAD FOOTING FOOTINGS DESIGN BASED ON ALLOWABLE NET BEARING PRESSURE OF 3000 PSF. CONTINUOUS FOOTINGS DESIGN BASED ON ALLOWABLE NET BEARING PRESSURE OF 2500 PSF. BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF 18 INCHES BELOW LOWEST ADJACENT FLOOR OR GRADE AND FOUNDED ON RECOMMENDED BEARING MATERIAL (COMPACTED ONSITE SOILS). FOOTING DIMENSIONS SHALL NOT BE LESS THAN 24 INCHES FOR ISOLATED SPREAD FOOTINGS AND 18 INCHES FOR CONTINUOUS SPREAD FOOTINGS. ALLOWABLE BEARING PRESSURES INCREASED 250 PSF FOR EACH ADDITIONAL FOOT OF WIDTH AND 500 PSF FOR EACH ADDITIONAL FOOT OF DEPTH TO A MAXIMUM ALLOWABLE BEARING PRESSURE OF 4000 PSF.ALLOWABLE BEARING PRESSURES INCREASED 33 PERCENT FOR SEISMIC OR WIND LOADING.

3. FOUNDATIONS FOR MINOR ANCILLARY STRUCTURES AND RETAINING WALLS NOT RIGIDLY ATTACHED TO THE MAIN BUILDING, SUCH AS PRIVACY WALLS OR TRASH ENCLOSURES, DESIGNED FOR A NET ALLOWABLE BEARING PRESSURE OF 1500 PSF. BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF 24 INCHES BELOW LOWEST ADJACENT GRADE AND FOUNDED ON BEARING MATERIAL APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER. FOOTING DIMENSIONS SHALL NOT BE LESS THAN 18 INCHES.

4. RESISTANCE TO LATERAL LOADS PROVIDED BY FRICTION AGAINST BASE AND SIDES OF FOUNDATIONS AND BY PASSIVE EARTH PRESSURES. ALLOWABLE COEFFICIENT OF FRICTION IS 0.35 AND ALLOWABLE PASSIVE PRESSURE FOR SIDES CAST AGAINST UNDISTURBED OR RECOMPACTED SOIL IS EQUIVALENT TO A FLUID DENSITY OF 250 PCF TO A MAXIMUM ALLOWABLE PASSIVE PRESSURE OF 2500 PSF. WHEN COMBINING PASSIVE PRESSURE AND FRICTIONAL RESISTANCE, THE PASSIVE PRESSURE IS REDUCED BY ONE-THIRD (1/3).

5. FOUNDATIONS MAY BE CAST DIRECTLY AGAINST EXCAVATIONS PROVIDED EXCAVATION IS CAPABLE OF MAINTAINING A VERTICAL CUT WITHOUT SLOUGHING.

6. CONCRETE SHALL NOT BE PLACED ON FROZEN GRADE. IF FOOTING IS SUBJECT TO FREEZING TEMPERATURES AFTER FOUNDATION CONSTRUCTION, THEN FOOTING SHALL BE ADEQUATELY PROTECTED FROM FREEZING.

7. EXCAVATION, BACKFILL, AND COMPACTION SHALL BE DONE IN STRICT ACCORDANCE WITH REPORT OF GEOTECHNICAL ENGINEERING INVESTIGATION RECOMMENDATIONS.

8. FOUNDATION EARTHWORK SHALL BE OBSERVED BY A QUALIFIED GEOTECHNICAL ENGINEER, RETAINED BY OWNER AND SATISFACTORY TO ARCHITECT (STRUCTURAL ENGINEER) AND GOVERNING CODE AUTHORITY. PERFORM REQUIRED OBSERVATIONS OF THIS CONTRACT AND CBC SECTION 1705.6A.

9. FOUNDATION EXCAVATION, BACKFILLING, AND COMPACTION SHALL BE OBSERVED AND APPROVED BY A GEOTECHNICAL ENGINEER AND THE GOVERNING AGENCY PRIOR TO PLACING REINFORCING STEEL AND CONCRETE. GEOTECHNICAL ENGINEER SHALL PROVIDE A LETTER OF COMPLIANCE TO THE OWNER.

10. TEMPORARY CUT SLOPES SHALL NOT EXCEED THOSE RECOMMENDED IN THE REPORT OF GEOTECHNICAL ENGINEERING INVESTIGATION. DO NOT PERMIT ANY PERSON TO DESCEND INTO TRENCHES OR EXCAVATIONS GREATER THAN FIVE FEET IN DEPTH UNLESS NECESSARY PERMIT FROM STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY IS OBTAINED PRIOR TO ISSUANCE OF BUILDING OR GRADING PERMIT. CONTRACTOR TO PROVIDE FOR DESIGN, PERMIT, AND INSTALLATION OF ALL SHORING AND SHEATHING NECESSARY TO SAFELY RETAIN EARTH BANKS.

11. CONTRACTOR TO PROVIDE FOR DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE. DEWATERING SHALL EFFECTIVELY ELIMINATE ANY HYDROSTATIC PRESSURE ON SHORING. ENSURE THAT CONTAMINATED WATER IS NOT DISPOSED OF IN PUBLIC SEWER OR STORM DRAIN SYSTEM AND ENSURE THAT DIRTY WATER IS NOT DISPOSED OF INTO PUBLIC RIGHT-OF-WAY.

FOUNDATIONS (CONTINUED)

12. UNLESS ADEQUATELY BRACED AND SHORED, RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL WALLS HAVE ATTAINED FULL DESIGN STRENGTH. FOR PIT WALLS AND BUILDING WALLS BELOW GRADE, BRACING AND SHORING SHALL REMAIN IN PLACE UNTIL ATTACHED FLOORS ARE PLACED, CURED FOR AT LEAST 7 DAYS, AND HAVE ATTAINED FULL DESIGN STRENGTH. BACKFILL PLACED IMMEDIATELY BEHIND RETAINING WALLS SHALL BE COMPACTED WITH HAND OPERATED EQUIPMENT.

13. SIDEWALKS OR PAVING IMMEDIATELY ADJACENT TO BUILDING PERIMETER SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING. LANDSCAPE IRRIGATION IS NOT PERMITTED WITHIN FIVE FEET OF BUILDING PERIMETER FOOTINGS EXCEPT WHEN ENCLOSED IN PROTECTED PLANTERS THAT DIRECT DRAINAGE AWAY FROM STRUCTURE AND FOUNDATIONS. DISCHARGE FROM DOWNSPOUTS, ROOF DRAINS AND SCUPPERS IS NOT PERMITTED ONTO UNPROTECTED SOILS WITHIN FIVE FEET OF BUILDING PERIMETER.

14. PROVIDE 3 FEET MINIMUM UNDERLAIN ENGINEERED UNDER ALL FOOTINGS PER THE GEOTECHNICAL REPORT SECTION 7.6.1.

REINFORCING STEEL

1. REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE TO AMERICAN CONCRETE INSTITUTE ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".

2. REINFORCING STEEL SHALL CONFORM TO ASTM A615/A615M, GRADE 60, UNLESS NOTED OTHERWISE. BARS TO BE WELDED SHALL CONFORM TO LOW ALLOY ASTM A706/A706M, GRADE 60.

3. DEFORMED LONGITUDINAL REINFORCEMENT RESISTING EARTHQUAKE-INDUCED MOMENT, AXIAL FORCE, OR BOTH, IN SPECIAL MOMENT FRAMES, SPECIAL STRUCTURE WALLS, AND ALL COMPONENTS OF SPECIAL STRUCTURAL WALLS INCLUDING COUPLING BEAMS AND WALL PIERS SHALL COMPLY WITH ASTM A706/A706M, GRADE 60. ASTM A615/A615M GRADES 40 AND 60 REINFORCEMENT SHALL BE PERMITTED IN THESE MEMBERS IF:

   A. THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18,000 PSI.
   B. FOR ASTM A615/A615M GRADE 40 REINFORCEMENT, THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25.
   C. FOR ASTM A615/A615M GRADE 60 REINFORCEMENT, THE MINIMUM ELONGATION IN 8 INCHES SHALL BE AS FOLLOWS:

      1. NO. 3 THROUGH NO. 6 = 14 PERCENT
      2. NO. 7 THROUGH NO. 11 = 12 PERCENT
      3. NO. 14 AND NO. 18 = 10 PERCENT

4. WELDED WIRE REINFORCEMENT (WWR) SHALL CONFORM TO ASTM A1064/A1064M. LAP WELDED WIRE REINFORCEMENT 8 INCHES MINIMUM, MEASURED BETWEEN OUTERMOST CROSS WIRE OF EACH REINFORCEMENT SHEET.

5. DEFORMED BAR ANCHOR STUDS SHALL BE NELSON STUD WELDING, INC. TYPE D2L (ICC EVALUATION SERVICE REPORT ESR-2907), OR AN APPROVED EQUAL, AND SHALL BE MADE FROM DEFORMED STEEL WIRE CONFORMING TO ASTM A1064/a1064M, WITH A MINIMUM YIELD STRENGTH OF 70 KSI AND A MINIMUM TENSILE STRENGTH OF 80 KSI.

6. MECHANICAL COUPLERS FOR SPLICING REINFORCING BARS SHALL BE LENTON STANDARD COUPLERS OR LENTON FORM SAVER COUPLERS, SA OR FS SERIES, BY ERICO INTERNATIONAL CORPORATION (IAPMO UES EVALUATION REPORT NO. 0129) OR APPROVED EQUAL. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICING REINFORCING BARS ONLY WHERE SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER.

7. PREPARE REINFORCING STEEL SHOP DRAWINGS IN ACCORDANCE TO ACI 315, PART B. SHOP DRAWINGS MAY BE PREPARED MANUALLY OR BY COMPUTER. PLACING DRAWINGS SHALL BE PREPARED TO THE SAME STANDARD AS CONTRACT DRAWINGS. SHOW REINFORCING PLACEMENT, SPLICE LOCATIONS, REINFORCING LENGTHS, DETAILS, ELEVATIONS, BEND DETAILS, ETC. SUBMIT TO ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW PRIOR TO FABRICATION. PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO DEVELOPING REINFORCING STEEL SHOP DRAWINGS IF INSUFFICIENT CLEAR DISTANCES BETWEEN REINFORCING STEEL OR OTHER CONGESTION IS ENCOUNTERED. DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS. IF SUBMITTAL IS PARTIAL, CLEARLY INDICATE ITEMS EXCLUDED FROM SUBMITTAL. SHOP DRAWINGS WILL BE REJECTED IF NOT PREPARED TO THE STANDARDS STATED ABOVE.

8. REINFORCING STEEL SHALL BE SPLICED AS SHOWN ON THE DRAWINGS. IF NOT SHOWN, LOCATE SPLICES IN AREAS OF MINIMUM STRESS. LAP (SPLICE) LENGTHS ARE AS INDICATED ON THE DRAWINGS.

9. MINIMUM CLEARANCES BETWEEN PARALLEL REINFORCING STEEL INCLUDING SPLICED BARS SHALL BE ONE INCH, ONE BAR DIAMETER, OR 4/3 TIMES THE MAXIMUM SIZE AGGREGATE, WHICHEVER IS GREATER. PROVIDE 1 1/2 INCHES OR 1 1/2 BAR DIAMETERS, WHICHEVER IS GREATER, AT COLUMNS ONLY. FOR BUNDLED BARS, MINIMUM CLEAR DISTANCES BETWEEN UNITS OF BUNDLED BARS SHALL BE SAME AS SINGLE BARS EXCEPT BAR DIAMETER IS DERIVED FROM EQUIVALENT TOTAL AREA OF BUNDLE.

10. PROVIDE THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL PLACED IN CAST-IN-PLACE CONCRETE:

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
a. CONCRETE EXPOSED TO EARTH OR WEATHER:	
NO. 6 THROUGH NO. 18 BARS	2"
NO. 5 BARS, W31 OR D31 WIRE, AND SMALLER	1-1/2"
b. CONCRETE NOT EXPOSED WEATHER OR IN CONTACT WITH GROUND:	
SLAB, WALLS, JOISTS:	
NO. 14 AND NO. 18 BARS	1-1/2"
NO. 11 BARS AND SMALLER (*)	1"
BEAMS AND COLUMNS	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1-1/2"
B. SLAB-ON-GRADE	MID-HEIGHT OF SLAB

(*) CONCRETE COVERAGE ADEQUATE FOR FIRE-RESISTIVE PERIOD OF 2 HOURS.

11. WALL AND COLUMN DOWELS SHALL MATCH SIZE, GRADE, AND SPACING OF RESPECTIVE VERTICAL REINFORCING, UNLESS OTHERWISE NOTED.

12. USE PLASTIC OR PLASTIC COATED SPACERS AND CHAIRS IF RESTING ON EXPOSED CONCRETE SURFACES.

13. WELDING OF REINFORCING STEEL SHALL BE MADE WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH AMERICAN WELD SOCIETY AWS D1.4 "STRUCTURAL WELDING CODE – REINFORCING STEEL".

REINFORCING STEEL (CONTINUED)

A. EXCEPT FOR REINFORCING STEEL CONFORMING TO ASTM A706/A706M, DETERMINE CARBON EQUIVALENT OF ALL REINFORCING STEEL TO BE WELDED. SUBMIT WPS FOR ALL REINFORCING STEEL TO BE WELDED TO ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW AND TO GOVERNING CODE AUTHORITY FOR APPROVAL PRIOR TO EXECUTION. WPS SHALL INCLUDE:

   1. SKETCH OF JOINT DESCRIBING GEOMETRY AND APPLICABLE DIMENSIONS, WELD TYPE AND SIZE, SEQUENCE OF WELD DEPOSITION, AND MAXIMUM LAYER THICKNESS AND BEAD WIDTHS.
   2. APPLICABLE WELD PROCESS.
   3. FILLER METAL PER AWS STANDARD AND ELECTRODE SPECIFICATION AND CLASSIFICATION, AS WELL AS DETAILS OF SHIELDING MATERIAL.
   4. ELECTRICAL CHARACTERISTICS FOR WELD PROCESS USED SUCH AS TYPE OF CURRENT AND ACCEPTABLE RANGE OF CURRENT MEASURED IN AMPERAGE, VOLTAGE RANGE, AND ELECTRODE DIAMETER. FOR WELD FEED PROCESS, INDICATE MANUFACTURER RECOMMENDED WIRE SPEED, MELT OFF RATE AND DEPOSITION RATE.
   5. PREHEAT TEMPERATURES.
   6. PROCEDURE QUALIFICATION RECORDS (PQR) FOR ALL WPS'S QUALIFIED BY TESTING.

B. WELDERS SHALL BE CERTIFIED TO CONFORM WITH AWS STANDARDS AND APPROVED BY THE GOVERNING CODE AUTHORITY.

16. REINFORCING STEEL BENDS SHALL BE MADE COLD. RE-BENDING OF PREVIOUSLY BENT REINFORCING IS NOT PERMITTED.

17. ALL REINFORCING STEEL, INCLUDING WELDED WIRE REINFORCING, SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS, CONCRETE BLOCKS, CHAIRS, BOLSTERS, ETC. SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL REINFORCING. HOOKING AND WALKING-IN IS NOT PERMITTED.

18. ALL REINFORCING STEEL SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN FINAL INSPECTION IS CONDUCTED.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE, ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", WITH MODIFICATIONS AS NOTED IN THE CONTRACT DOCUMENTS.

   A. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28-DAY (f'c), UNLESS NOTED OTHERWISE:

CONTINUOUS FOOTINGS	3,000 PSI	NORMAL WEIGHT
SPREAD FOOTINGS AND GRADE BEAMS	4,000 PSI	NORMAL WEIGHT
SLABS-ON-GRADE	3,000 PSI	NORMAL WEIGHT
RETAINING WALLS	4,000 PSI	NORMAL WEIGHT
SHEAR WALLS	4,000 PSI	NORMAL WEIGHT
COLUMNS	4,000 PSI	NORMAL WEIGHT
SLABS AND BEAMS	3,000 PSI	NORMAL WEIGHT
CONCRETE ON METAL DECK	3,000 PSI	LIGHTWEIGHT
ALL OTHER CONCRETE	3,000 PSI	NORMAL WEIGHT

2. UNLESS NOTED OTHERWISE HEREIN, CONCRETE IS ASSIGNED TO EXPOSURE CLASSES F0, S0, W0, AND C0, AS DEFINED IN TABLE 19.3.1.1 OF ACI 318.

3. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR TYPE II. PORTLAND CEMENT FOR CONCRETE IN EXPOSURE CLASS S2 SHALL CONFORM TO ASTM C150, TYPE V (OR OTHER TYPES OF PORTLAND CEMENT WITH C3A CONTENT LESS THAN 5 PERCENT).

4. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. NORMAL WEIGHT CONCRETE SHALL HAVE A MINIMUM DRY UNIT WEIGHT OF 145 PCF.

5. AGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL BE EXPANDED SHALE CONFORMING TO ASTM C330. PRESIZE AGGREGATE BEFORE FIRING TO ALLOW OUTER CERAMIC SHELL TO REMAIN INTACT. LIGHTWEIGHT CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 110±3 PCF AND AIR CONTENT OF 4.5±1.5 PERCENT AS MEASURED BY THE VOLUMETRIC METHOD DESCRIBED IN ASTM C173.

6. MAXIMUM AGGREGATE SIZE SHALL BE 1-1/2 INCHES FOR FOUNDATIONS AND 1 INCH ELSEWHERE, BUT NO LARGER THAN (A) 1/5 THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS, (B) 1/3 THE DEPTH OF SLABS, OR (C) 3/4 THE MINIMUM CLEAR SPACING BETWEEN INDIVIDUAL REINFORCING BARS OR WIRES, BUNDLES OF BARS, INDIVDUAL TENDONS, BUNDLED TENDONS, OR DUCTS. SMALLER AGGREGATE SIZES MAY BE ALLOWED WITH THE APPROVAL OF THE ARCHITECT (STRUCTURAL ENGINEER).

7. MAXIMUM SLUMP SHALL BE 5 INCHES TYPICALLY AND 4 INCHES IN FLATWORK, UNLESS A HIGH-RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER) IS USED IN THE CONCRETE MIX PROPORTIONS.

8. CONCRETE SHRINKAGE SHALL BE LIMITED TO 0.05 PERCENT AT 35 DAYS AS DETERMINED BY ASTM C157. TEST SPECIMENS SHALL BE MOIST CURED IN LIME SATURATED WATER FOR 28 DAYS AND AIR STORED FOR 7 DAYS.

9. WATER CEMENT RATIO SHALL NOT EXCEED 0.45 FOR ALL FLATWORK THAT RECEIVES A MOISTURE SENSITIVE ADHESIVE TO AFFIX FLOOR FINISHES AND 0.50 ELSEWHERE. EXCEPTION: FOR CONCRETE ON METAL DECK, A WATER CEMENT RATIO OF 0.50 MAY BE USED FOR CONCRETE PLACED ON VENTED METAL DECKS. WATER CEMENT RATIO FOR CONCRETE IN EXPOSURE CLASS S2 SHALL NOT EXCEED 0.45 AND f'c NOT LESS THAN 4500 PSI.

10. CONCRETE MIX PROPORTIONING SHALL BE SIGNED AND SEALED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA AND SHALL BE SUBMITTED TO THE ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW AND APPROVAL.

    A. STRENGTH: CONCRETE MIX PROPORTIONING SHALL BE BASED ON FIELD EXPERIENCE AND/OR TRIAL MIXTURES AS STIPULATED IN ACI 301, ARTICLE 4.2.3. SUBMIT CONCRETE MIX PROPORTIONING DATA, INCLUDING HISTORICAL STRENGTH RECORDS AND/OR RESULTS OF TRIAL MIXTURES, FOR EACH TYPE AND COMPRESSIVE STRENGTH OF CONCRETE.
    B. MODULUS OF ELASTICITY (MOE): MODULUS OF ELASTICITY TESTS SHALL BE PERFORMED ON LABORATORY TRIAL MIXTURES FOR EACH CONCRETE STRENGTH, EACH CONCRETE MIX PROPORTION, AND FOR EACH AGGREGATE SOURCE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
    C. THE DESIGN CONCRETE MIX PROPORTION SHALL SPECIFY AGGREGATES THAT PRODUCE A CONCRETE MODULUS OF ELASTICITY NOT LESS THAN THAT SPECIFIED IN THE PROJECT PLANS AND SPECIFICATIONS. THE MODULUS OF ELASTICITY OF PRODUCTION CONCRETE DELIVERED TO THE JOBSITE SHALL BE CONSISTENT WITH THE MODULUS OF ELASTICITY OF THE DESIGN MIX PROPORTION FOR ESTABLISHING THE CONCRETE f'c AND MOE USED IN THE BUILDING DESIGN.

11. FOR CONCRETE SLABS-ON-GRADE PLACED DIRECTLY ON VAPOR RETARDER:

    A. CONCRETE MIXTURE:

       1. USE INCREASED SIZE OF MAXIMUM-SIZE COARSE AGGREGATE (1" MINIMUM) AND COARSER SAND.
       2. COARSE AGGREGATE TO BE WELL GRADED WITH MINIMUM FLAT OR ELONGATED PARTICLES.
       3. REDUCE SAND CONTENT TO LOWEST LEVEL CONSISTENT WITH ADEQUATE WORKABILITY.
       4. USE HIGH-RANGE WATER-REDUCING ADMIXTURE WITH GOOD SHRINKAGE-REDUCTION CHARACTERISTICS.

    B. FINISHING AND CURING:

       1. USE PROPER FINISHING TECHNIQUES AND PROPER TIMING BETWEEN FINISHING OPERATIONS TO AVOID BLISTERING AND DELAMINATION.
       2. USE CONTINUOUS MOIST CURE OR HIGH-SOLIDS CURING COMPOUND.

12. NOT USED

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

8/5/2021 6:25:58 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

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REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
GENERAL NOTES

DSA APPROVAL

FILE NO.: 36-C1 | A#: 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

S0.01

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 3" LONG WHEN PLOTTED AT FULL SIZE. IF IT IS NOT, ADJUST SCALE ACCORDINGLY

STRUCTURAL STEEL (CONTINUED)

13. WELDING SHALL CONFORM TO LATEST EDITION OF AWS D1.1/ D1.1M, AS AMENDED IN CBC SECTION 2204A.1.

    A. WELDING PROCESS SHALL BE ELECTRIC ARC USING E70XX ELECTRODES. SUBMERGED ARC PROCESS (SAW) WITH AUTOMATIC WELDING MAY BE USED AS AN ALTERNATIVE.
    B. WELDERS SHALL BE CERTIFIED TO CONFORM WITH AWS STANDARDS AND APPROVED BY THE GOVERNING CODE AUTHORITY.
    C. SHOP WELDING, INCLUDING ULTRASONIC TESTING OF FULL PENETRATION GROOVE WELDS, SHALL BE PERFORMED ON THE PREMISES OF AN APPROVED FABRICATOR.
    D. MINIMUM FILLET WELD SIZE SHALL CONFORM TO AISC SPECIFICATION TABLE J2.4. WELDS LENGTHS NOTED ON DRAWINGS ARE THE NET EFFECTIVE LENGTHS REQUIRED.
    E. FIELD WELD SYMBOLS NOTED ON THE DRAWINGS SHOW ENGINEERING INTENT, BUT NO ATTEMPT HAS BEEN MADE TO CLASSIFY ALL WELDS. AT FABRICATOR'S OPTION, ANY WELD INDICATED AS A FIELD WELD MAY BE SHOP WELDED AND ANY WELD INDICATED AS A SHOP WELD MAY BE FIELD WELDED.

14. WELDS SHALL BE PREQUALIFIED PER AWS D1.1/D1.1M. NON-PREQUALIFIED WELDED JOINTS SHALL BE QUALIFIED BY TEST PER AWS D1.1/ D1.1M.

15. SUBMIT TO ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW A WRITTEN WELDING PROCEDURE SPECIFICATION (WPS) FOR ALL WELDS USED ON PROJECT PRIOR TO FABRICATION. FOR WELDS NOT PREQUALIFIED, THE SUPPORTING PROCEDURE QUALIFICATION RECORD (PQR) SHALL ALSO BE SUBMITTED WITH THE WPS. WPS SHALL BE IN ACCORDANCE TO AWS D1.1/D1.1M, SECTION 4.6 AND SHALL INCLUDE THE FOLLOWING INFORMATION FOR EACH WELD TYPE AND POSITION:

    A. SKETCH OF JOINT DESCRIBING GEOMETRY AND APPLICABLE DIMENSIONS, WELD TYPE AND SIZE, SEQUENCE OF WELD DEPOSITION, AND MAXIMUM LAYER THICKNESS AND BEAD WIDTHS. LAYER THICKNESS SHALL NOT EXCEED 1/4 INCH, AND BEAD WIDTH SHALL NOT EXCEED 5/8 INCH.
    B. BASE METAL TYPES AND THICKNESS.
    C. APPLICABLE WELD PROCESS (SMAW OR FCAW).
    D. FILLER METAL PER AWS STANDARD AND ELECTRODE SPECIFICATION AND CLASSIFICATION, AS WELL AS DETAILS OF SHIELDING MATERIAL.
    E. ELECTRICAL CHARACTERISTICS FOR WELD PROCESS USED SUCH AS TYPE OF CURRENT AND ACCEPTABLE RANGE OF CURRENT MEASURED IN AMPERAGE, VOLTAGE RANGE, AND ELECTRODE DIAMETER. FOR WELD FEED PROCESS, INDICATE MANUFACTURER RECOMMENDED WIRE SPEED, CONTACT DISTANCE, MELT OFF RATE AND DEPOSITION RATE.
    F. A COPY OF ELECTRODE MANUFACTURER'S TECHNICAL INFORMATION AND CERTIFICATE OF CONFORMANCE.

16. TESTING LABORATORY WILL VERIFY COMPLIANCE WITH ACCEPTED WPS AND WILL PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) IF DEVIATIONS ARE FOUND.

17. ELECTRODE DIAMETER SHALL NOT EXCEED PREQUALIFIED LIMITS SHOWN IN AWS D1.1/ D1.1M TABLE 3.7, AS APPLICABLE. FOR FCAW PROCESS, MAXIMUM ELECTRODE SIZE SHALL NOT EXCEED 1/8 INCH.

18. DIFFUSIBLE HYDROGEN LEVEL FOR ELECTRODES AND ELECTRODE-FLUX COMBINATION SHALL MEET THE REQUIREMENTS OF TABLE 6.3 OF AWS D1.8/D1.8M.

19. DETAILS, MATERIALS, WORKMANSHIP, AND TESTING AND INSPECTION REQUIREMENTS OF WELDED JOINTS COMPRISING THE SFRS SHALL CONFORM TO THE FOLLOWING APPLICABLE STANDARDS:

    A. AWS D1.1/ D1.1M "STRUCTURAL WELDING CODE - STEEL."
    B. AWS D1.8/ D1.8M "STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT."
    C. ANSI/AISC 341, "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS", CHAPTER J (QUALITY CONTROL AND QUALITY ASSURANCE).
    D. ANSI/AISC 358 "PREQUALIFIED CONNECTIONS FOR SPECIAL AND INTERMEDIATE STEEL MOMENT FRAMES FOR SEISMIC APPLICATIONS."

20. WELD MATERIALS USED IN SFRS WELDED CONNECTIONS SHALL CONFORM TO THE FOLLOWING TOUGHNESS REQUIREMENTS:

    A. WELDED CONNECTIONS SHALL BE MADE WITH A FILLER METAL THAT CAN PRODUCE WELDS THAT HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0°F AS DETERMINED BY THE APPROPRIATE AWS CLASSIFICATION TEST METHOD.
    B. WELDED CONNECTIONS DESIGNATED AS "DEMAND CRITICAL", SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 40 FT-LB AT 70°F BASED ON WPS HEAT INPUT ENVELOPE TESTING PRESCRIBED IN ANNEX A OF AWS D1.8/D1.8M.

21. INTERMIX OF FILLER METAL: WHEN FCAW-S FILLER METALS ARE USED IN COMBINATION WITH FILLER METALS FOR OTHER PROCESSES, INCLUDING FCAW-G, SUPPLEMENTAL CVN NOTCH TOUGHNESS TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ONE OR MORE OF THE FOLLOWING:

    A. TESTS AS DESCRIBED IN ANNEX B OF AWS D1.8/D1.8M.
    B. PQR TESTS THAT CONTAIN INTERMIX WELD METAL, WHEREIN CVN TEST SPECIMENS HAVE BEEN TAKEN FROM THE INTERMIX ZONE.

22. WELDING OF SHEET METAL AND METAL STUDS SHALL BE IN ACCORDANCE WITH AWS D1.3/ D1.3M.

23. MOVEMENT CONNECTIONS SHALL BE JOINED USING BOLTS WITH NUT AND JAM NUT. SNUG TIGHTEN FIRST NUT, AND THEN BACK OFF 1/4 TURN. FULLY TIGHTEN JAM NUT. SLOTTED HOLES SHALL BE MILLED SMOOTH. WHEN A SLOTTED HOLE OCCURS IN THE OUTER PLY, PROVIDE AN ASTM F436 WASHER OR A 5/16" PLATE WASHER TO COVER THE HOLE.

24. CONTACTOR SHALL PROVIDE FOR AN ALLOWANCE OF 5 TONS OR 2%, WHICHEVER IS GREATER, OF STRUCTURAL STEEL TO BE FABRICATED AND/OR ERECTED DURING THE PROGRESS OF WORK AS MAY BE DIRECTED BY THE ARCHITECT (STRUCTURAL ENGINEER). THE UNUSED PORTION SHALL BE CREDITED TO THE OWNER AT THE COMPLETION OF STRUCTURAL STEEL WORK.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI/AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", ANSI/AISC 341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS", AND AISI/AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AS AMENDED BY CALIFORNIA BUILDING CODE (CBC) SECTIONS 2203A, 2204A AND 2205A.

2. SEISMIC FORCE RESISTING SYSTEM (SFRS) IS THAT PART OF THE STRUCTURAL SYSTEM THAT HAS BEEN CONSIDERED IN THE DESIGN TO PROVIDE THE REQUIRED RESISTANCE TO THE SEISMIC FORCES PRESCRIBED IN ASCE/SEI 7.

3. STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING ASTM STANDARDS, UNLESS NOTED OTHERWISE ON DRAWINGS:

WIDE FLANGE SHAPES	ASTM A992/A992M
CHANNELS, ANGLES, M- & S-SHAPES	ASTM A36/A36M
PIPES	ASTM A53/A53M, GRADE B (F_Y = 35 KSI)
ROUND HOLLOW STRUCTURAL SECTIONS	ASTM A500/A500M, GRADE C (F_Y = 46 KSI)
RECTANGULAR HOLLOW STRUCTURAL SECTIONS	ASTM A500/A500M, GRADE C (F_Y = 50 KSI)
PLATES	ASTM A572/A572M, GRADE 50
ANCHOR BOLTS	ASTM F1554, GRADE 36 (UNO)
ANCHOR BOLTS USED IN SFRS (UNO)	ASTM F1554, GRADE 105, WELDABLE,
UNFINISHED MACHINE BOLTS	ASTM A307
THREADED ROUND STOCK	ASTM A36/A36M

FURNISH READILY IDENTIFIABLE STRUCTURAL STEEL IN COMPLIANCE WITH CBC SECTION 2203A.1.

4. HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS", AS AMENDED BY CBC SECTION 2204A.2. WHEN ASSEMBLED, ALL JOINT SURFACES, INCLUDING THOSE ADJACENT TO WASHERS, SHALL BE FREE OF SCALE, EXCEPT TIGHT MILL SCALE. USE STANDARD HOLES UNLESS NOTED OTHERWISE.
    A. PROVIDE ASTM A325, TYPE I, SNUG-TIGHTENED (ST) BOLTS WITH THREADS INCLUDED IN SHEAR PLANE, UNLESS NOTED OTHERWISE. PROVIDE ASTM A325, TYPE I, SLIP-CRITICAL (SC) BOLTS AT CONNECTIONS IN SFRS AND WHERE SPECIFICALLY INDICATED. FAYING SURFACES FOR SLIP-CRITICAL CONNECTIONS SHALL MEET CLASS A SLIP RESISTANCE, UNLESS OTHERWISE NOTED. NUTS AND WASHERS SHALL MEET THE REQUIREMENTS OF ASTM A563 AND ASTM F436, RESPECTIVELY.
    B. ASTM A325-ST BOLTS SHALL BE SNUG TIGHTENED IN ACCORDANCE WITH RCSC SPECIFICATION SECTION 8.1, UNLESS NOTED OTHERWISE. FULLY TENSION ALL ASTM A325-SC BOLTS AND ALL BOLTS REQUIRED TO BE TENSIONED BY AISC SPECIFICATION SECTION J1.10 AND RCSC SPECIFICATION SECTIONS 4.2 AND 4.3. FULLY TENSIONED BOLTS SHALL BE TIGHTENED TO THE MINIMUM TENSION USING TURN-OF-THE-NUT PRETENSIONING METHOD, CALIBRATED WRENCH PRETENSIONING METHOD, OR DIRECT-TENSION-INDICATOR PRETENSIONING METHOD USING DIRECT TENSION INDICATORS THAT MEET THE REQUIREMENTS OF ASTM F959.
    C. TWIST-OFF-TYPE TENSION-CONTROL BOLTS THAT MEET THE REQUIREMENTS OF ASTM F3125/F3125M, TYPE 1, MAY BE USED IN LIEU OF ASTM A325-ST OR ASTM A325-SC BOLTS.

5. COMPOSITE STRUCTURAL BEAMS AND GIRDERS ARE DESIGNED FOR UNSHORED CONSTRUCTION UNLESS NOTED OTHERWISE.

6. HEADED STUD ANCHORS SHALL BE NELSON TYPE S3L OR TYPE H4L FLUX-FILLED HEADED SHEAR CONNECTOR STUDS (ICC EVALUATION SERVICE REPORT ESR-2856), OR AN APPROVED EQUAL, AND SHALL BE MADE FROM COLD DRAWN, LOW CARBON STEEL CONFORMING TO ASTM A29, GRADES C1010 THROUGH C1020, WITH A MINIMUM TENSILE STRENGTH OF 65 KSI. STUD WELDING TEST AND INSPECTION SHALL CONFORM TO AWS D1.1, CLAUSE 7. ANCHOR LENGTHS NOTED ON DRAWINGS ARE AFTER WELD LENGTHS.

7. PROVIDE UPWARD CAMBER TO ALL BEAMS SPECIFIED TO HAVE CAMBER. AMOUNT MEASURES IN THE FIELD PRIOR TO ERECTION SHALL NOT DEVIATE MORE THAN ALLOWED BY AISC SPECIFICATIONS. BEAMS WITHOUT SPECIFIED CAMBER SHALL BE FABRICATED TO SO THAT ANY MINOR CAMBER DUE TO ROLLING SHALL BE UPWARD AFTER ERECTION.

8. HOURLY FIRE RESISTIVE REQUIREMENTS FOR STRUCTURAL STEEL MEMBERS SHALL BE DETERMINED USING CBC TABLE 601. BUILDING TYPES OF CONSTRUCTION AND FIREPROOFING MATERIALS ARE AS INDICATED ON ARCHITECTURAL DRAWINGS.

9. ALL STEEL NOT ENCASED IN CONCRETE, MASONRY, OR FIREPROOFING SHALL BE SHOP PRIMED AND PAINTED PER SPECIFICATIONS, EXCEPT FOR TOP FLANGE OF BEAMS SUPPORTING METAL DECK. ANY ABRASIONS OR UNPAINTED AREAS SHALL BE TOUCHED UP AFTER ERECTION.

10. ALL STRUCTURAL STEEL AND MISCELLANEOUS METALS EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
11. CVN TOUGHNESS REQUIREMENTS FOR HEAVY SECTION AND THICK PLATES SHALL BE PER AISC 341, A3.3.

COLD-FORMED STEEL FRAMING

1. THE DESIGN, INSTALLATION, AND CONSTRUCTION OF COLD-FORMED STEEL FRAMING SHALL BE IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) "NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (AISI S100) AND AISI "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS" (AISI S200) AS AUGMENTED BY CBC SECTIONS 2210A AND 2210A.1

2. COLD-FORMED METAL FRAMING INCLUDES METAL STUDS, TRACKS, JOISTS, STRAP BRACING, BRIDGING, END CLOSURES, AND ACCESSORIES. THESE GENERAL NOTES APPLY TO LOAD BEARING COLD-FORMED STEEL FRAMING SHOWN ON STRUCTURAL DRAWINGS ONLY. NON-LOAD BEARING METAL STUDS AND FASTENERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. FOR INFORMATION ON NON-LOAD BEARING METAL STUDS SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

3. COLD-FORMED STEEL FRAMING SHALL BE MANUFACTURED BY CURRENT MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (ICC-ES REPORT ESR-3064P) OR STEEL FRAMING INDUSTRY ASSOCIATION MEMBERS AND FORMED FROM GALVANIZED STEEL SHEETS CONFORMING TO ASTM A653-SS OR ASTM A1003 (TYPE H), GRADES AS FOLLOWS. GALVANIZING SHALL BE BY THE HOT-DIP PROCESS COMPLYING WITH COATING DESIGNATION G60. THE STEEL FRAMING SHALL HAVE A CURRENT ICC EVALUATION REPORT.

    A. GRADE 33 (Fy=33 KSI) FOR THICKNESS 0.0451" (18 GAGE) & THINNER
    B. GRADE 50 (Fy=50 KSI) FOR THICKNESS 0.0566" (16 GAGE) & THICKER

4. PROVIDE UNPUNCHED TRACKS WITH DIMENSION AS REQUIRED TO ENSURE PROPER FIT OF STUDS. STUDS AND JOISTS SHALL HAVE STIFFENED FLANGES.

5. PROVIDE LATERAL BRIDGING FOR STUDS WHEN RIGID WALL FINISH DOES NOT CONTINUE FULL HEIGHT AND ATTACHED TO ONE OR BOTH SIDES OF STUDS. INSTALL HORIZONTAL STRAPS OR COLD-ROLLED CHANNELS AS SHOWN ON DRAWINGS AND IN ACCORDANCE WITH AISI-S100 AND AISI-S200 SPECIFICATIONS.

6. PLUMB, ALIGN AND TIGHTLY NEST STUDS AND BRACES IN BOTH UPPER AND LOWER TRACKS AND SECURE WITH ATTACHMENTS TO BOTH FLANGES OF TRACKS. STUDS MUST BE FULLY SEATED IN TRACKS AND FASTENED WITH SELF-DRILLING SCREWS OR WELDING. SPLICES IN STUDS AND BRACES ARE NOT PERMITTED.

7. SELF-DRILLING/SELF-TAPPING SHEET METAL SCREWS (SMS) SHALL BE HILTI SELF-DRILLING SCREWS MANUFACTURED BY HILTI, INC. (ICC-ES REPORT ESR-2196), OR APPROVED EQUAL. SMS SHALL BE NUMBER 10 MINIMUM AND SHALL PROTRUDE THROUGH THE ATTACHED MEMBERS THREE FULL THREADS, (1/4" INCH MINIMUM), BEYOND THE BACKSIDE OF THE ATTACHED MEMBERS. MINIMIN SPACING BETWEEN CENTERS OF FASTENERS AND MINIMUM DISTANCE FROM THE CENTER OF FASTENER TO THE EDGE OF ANY CONNECTED PART SHALL BE 3 TIMES THE NOMINAL DIAMETER OF THE SMS, EXCEPT WHEN THE EDGE IS PARALLEL TO THE DIRECTION OF APPLIED FORCE THE MINIMUM DISTANCE FROM THE CENTER OF FASTENER TO THE EDGE MAY BE 1.5 TIMES THE DIAMETER OF THE SMS.

8. FASTENERS TO CONCRETE SHALL BE HILTI LOW VELOCITY X-U UNIVERSAL POWDER DRIVEN FASTENERS (ICC-ES REPORT ESR-2269), OR APPROVED EQUAL, WITH 0.157 INCH SHANK DIAMETER EMBEDDED 1 INCH INTO CONCRETE USING STANDARD INSTALLATION METHOD. FASTENERS SHALL BE DRIVEN INTO CONCRETE AFTER CONCRETE HAS ATTAINED SPECIFIED STRENGTH WITH MINIMUM SPACING OF 4 INCHES AND MINIMUM EDGE DISTANCE OF 3 INCHES. CONCRETE THICKNESS MUST BE AT LEAST THREE TIMES THE PENETRATION DEPTH OF THE FASTENER.

9. FASTENERS TO STEEL SHALL BE AS FOLLOWS:

    A. HILTI LOW VELOCITY X-U UNIVERSAL POWDER DRIVEN FASTENERS (ICC-ES REPORT ESR-2269), OR APPROVED EQUAL, WITH 0.157 INCH SHANK DIAMETER AND DRIVEN THROUGH THE STEEL MEMBER WITH MINIMUM SPACING OF 1 INCH AND MINIMUM EDGE DISTANCE OF 1/2 INCH.
    B. HILTI KWIK-FLEX SELF-DRILLING FASTENERS (ICC REPORT ER-3332). OR APPROVED EQUAL. FASTENER MUST PROTRUDE THROUGH THE STEEL MEMBER WITH MINIMUM SPACING OF 1 INCH AND MINIMUM EDGE DISTANCE OF 1/2 INCH.

10. WELDING SHALL COMPLY WITH ANSI/AWS D1.3. WIRE TYING OF FRAMING COMPONENTS IS NOT PERMITTED.

    A. WELDER SHALL BE AWS CERTIFIED AS REQUIRED BY THE GOVERNING CODE AUTHORITY.
    B. PLUG, BUTT, FILLET OR SEAM WELD. WHERE WELDING BURN-THROUGH OCCURS, PROVIDE SUITABLE STITCH PLATE OF SAME GAUGE.
    C. ELECTRODES SHALL BE E60XX FOR 33 KSI MEMBERS AND E70XX FOR 50 KSI MEMBERS.
    D. TOUCH-UP GALVANIZED MEMBERS WITH ZINC-RICH PAINT.

11. BOXED AND OTHER BUILT-UP SECTIONS SHALL BE STITCHED TOGETHER WITH 1/8 INCH FILLET WELDS, 2 INCH LONG AT 12 INCH ON CENTER AT ALL SEAMS.

CAST-IN-PLACE CONCRETE (CONTINUED)

13. CONCRETE MIXING SHALL CONFORM TO ASTM C94.

14. THE MAXIMUM SIZE OF A SINGLE POUR FOR ELEVATED SLABS SHALL NOT EXCEED 25,000 SQUARE FEET AND THE LENGTH TO WIDTH RATIO OF THE POUR SHALL NOT EXCEED 2 WITHOUT THE APPROVAL OF THE ARCHITECT (STRUCTURAL EINGINEER).

15. SUBMIT SHOP DRAWINGS INDICATING LOCATIONS OF CONCRETE CONSTRUCTION JOINTS TO THE ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW AND APPROVAL PRIOR TO PLACING CONCRETE. LOCATE CONSTRUCTION JOINTS TO MINIMIZE EFFECTS OF SHRINKAGE AND AT POINTS OF LOW STRESS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT PERMITTED IN BEAMS AND SLABS UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS OR APPROVED BY THE ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO CONSTRUCTION.

16. THE OUTSIDE DIAMETER OF CONDUITS AND PIPES EMBEDDED IN WALLS AND SLABS SHALL NOT EXCEED 1/3 THE OVERALL THICKNESS OF SLAB OR WALL IN WHICH THEY ARE EMBEDDED. LOCATE CONDUITS AND PIPES WITHIN THE MIDDLE THIRD OF SLABS OR WALLS AND NO CLOSER THAN 3 DIAMETERS ON CENTER WITH A CLEAR SPACING NOT LESS THAN 4 INCHES. CROSSING OF ELECTRICAL CONDUIT IS NOT PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT (STRUCTURAL ENGINNER).

17. PROVIDE SLEEVES FOR ELECTRICAL AND PLUMBING OPENINGS. IF CONFLICT OCCURS BETWEEN REINFORCING AND SLEEVES, REPOSITION REINFORCING OR SLEEVES OR BOTH. DO NOT CUT ANY REINFORCING. CORING IS NOT PERMITTED UNLESS APPROVED IN WRITING BY THE ARCHITECT (STRUCTURAL ENGINEER).

18. PRIOR TO PLACING CONCRETE, REINFORCING BARS (INCLUDING WELDED WIRE REINFORCEMENT), EMBEDDED PLATES, ANCHOR BOLTS, AND OTHER CONCRETE EMBEDMENTS SHALL BE WELL SECURED IN POSITION.

19. CONCRETE PLACEMENT SHALL CONFORM TO ACI 304 AND CONTRACT DOCUMENTS. INTENTIONALLY ROUGHEN ALL PREVIOUSLY HARDENED CONCRETE SURFACES TO A FULL AMPLITUDE OF 1/4-INCH AGAINST WHICH FRESH CONCRETE IS PLACE.

20. PROVIDE KEYED CONSTRUCTION JOINT WHERE INDICATED ON DRAWINGS. CLEAN, REMOVE LAITANCE, THOROUGHLY WET, AND REMOVE STANDING WATER IMMEDIATELY BEFORE PLACING FRESH CONCRETE.

21. FORMS SHALL BE CONSTRUCTED TO PROVIDE CAMBER AS SPECIFIED ON THE DRAWINGS. CONCRETE SLAB THICKNESS SHALL BE MAINTAINED.

22. FORM EXPOSED CORNERS OF COLUMNS, BEAMS AND WALLS WITH A 3/4-INCH CHAMFER, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.

23. AT LEAST TWO HOURS MUST ELAPSE BETWEEN THE END OF COLUMN OR WALL PLACEMENT AND THE BEGINNING OF SLAB PLACEMENT.

24. CONCRETE SHALL BE MAINTAINED ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY ARCHITECT (STRUCTURAL ENGINEER).

25. CURING COMPOUNDS, SEALERS, HARDENERS, ETC., USED ON CONCRETE THAT RECEIVES A FINISH SHALL BE APPROVED BY THE ARCHITECT BEFORE USE.

26. GROUT SHALL BE NON-SHRINK, NON-METALLIC, SHALL NOT CONTAIN CHLORIDES, AND SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 6,000 PSI.

27. LEAN CONCRETE SHALL CONTAIN 2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. USE ONLY WHERE SPECIFICALLY INDICATED.

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PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

GENERAL NOTES

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

S0.02

THE LINE SHOWN ABOVE IS 3" LONG WHEN PLOTTED AT FULL SIZE. IF NOT, ADJUST SHEETS ORIGINAL SIZE ACC.

STRUCTURAL IRREGULARTITIES

Horizontal Structural Irregularities Applicability

	Irregularity Type and Description	Reference Section	Applicability
1a.	**Torsional Irregularity** is defined to exist where the maximum story drift, computed including accidental torsion, at one end of the structure transverse to an axis is more than 1.2 times the average story drifts at the two ends of the structure. Torsional irregularity requirements in the reference sections apply only to structures in which the diaphragms are rigid or semirigid.	12.3.3.4 12.8.4.3 12.7.3 12.12.1 Table 12.6-1 Section 16.2.2	YES See Calculation
1b.	**Extreme Torsional Irregularity** is defined to exist where the maximum story drift, computed including accidental torsion, at one end of the structure transverse to an axis is more than 1.4 times the average story drifts at the two ends of the structure. Extreme torsional irregularity requirements in the reference sections apply only to structures in which the diaphragms are rigid or semirigid.	12.3.3.1 12.3.3.4 12.7.3 12.8.4.3 12.12.1 Table 12.6-1 Section 16.2.2	No See Calculation
2.	**Reentrant Corner Irregularity** is defined to exist where both plan projections of the structure beyond a reentrant corner are greater than 15% of the plan dimension of the structure in the given direction.	12.3.3.4 Table 12.6-1	No
3.	**Diaphragm Discontinuity Irregularity** is defined to exist where there are diaphragms with abrupt discontinuities or variations in stiffness, including those having cutout or open areas greater than 50% of the gross enclosed diaphragm area, or changes in effective diaphragm stiffness or more than 50% from one story to the next.	12.3.3.4 Table 12.6-1	No
4.	**Out-of-Plane Offsets Irregularity** is defined to exist where there are discontinuities in lateral force-resistance path, such out-of-plane offsets of the vertical element.	12.3.3.4 12.3.3.3 12.7.3 Table 12.6-1 16.2.2	No
5.	**Nonparallel Systems-Irregularity** is defined to exist where the vertical lateral force-resisting elements are not parallel to or symmetric about the major orthogonal axes of the seismic force-resisting system.	12.5.3 12.7.3 Table 12.6-1 Section 16.2.2	No

Vertical Structural Irregularities Applicability

	Irregularity Type and Description	Reference Section	Applicability
1a.	**Stiffness-Soft Story Irregularity** is defined to exist where there is a story in which the lateral stiffness is less than 70% of that in the story above or less than 80% of the average stiffness of the three stories above.	Table 12.6-1	No
1b.	**Stiffness-Extreme Soft Story Irregularity** is defined to exist where there is a story in which the lateral stiffness is less than 60% of that in the story above or less than 70% of the average stiffness of the three stories above.	12.3.3.1 Table 12.6-1	No
2.	**Weight (Mass) Irregularity** is defined to exist where the effective mass of any story is more than 150% of the effective mass of an adjacent story. A roof that is lighter than the floor below need not be considered.	Table 12.6-1	No
3.	**Vertical Geometric Irregularity** is defined to exist where the horizontal dimension of the seismic force-resisting system in any story is more than 130% of that in an adjacent story.	Table 12.6-1	No
4.	**In-Plane Discontinuity in Vertical Lateral Force-Resisting Element Irregularity** is defined to exist where an in-plane offset of the lateral force-resisting elements is greater than the length of those elements or there exists a reduction in stiffness of the resisting element in the story below.	12.3.3.3 12.3.3.4 Table 12.6-1	No
5a.	**Discontinuity in Lateral Strength-Weak Story Irregularity** is defined to exist where the story lateral strength is less than 80% of that in the story above. The story lateral strength is the total lateral strength of all seismic-resisting elements sharing the story shear for that direction under consideration.	12.3.3.1 Table 12.6-1	No
5b.	**Discontinuity in Lateral Strength-Extreme Weak Story Irregularity** is defined to exist where the story lateral strength is less than 65% of that in the story above. The story strength is the total strength of all seismic-resisting elements sharing the story shear for the direction under consideration.	12.3.3.1 12.3.3.2 Table 12.6-1	No

STRUCTURAL OBSERVATION

1. STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCTURAL SYSTEM IN ACCORDANCE WITH SECTION 1704A.6 OF THE CALIFORNIA BUILDING CODE (CBC). STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM BY A REGISTERED DESIGN PROFESSIONAL FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM. SIGNIFICANT CONSTRUCTION STAGES ARE THE STAGES OF CONSTRUCTION IDENTIFIED BY THE ENGINEER OF RECORD AS SIGNIFICANT AND REQUIRE SITE STRUCTURAL OBSERVATION. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY SECTION 110 AND SECTION 1705A OF THE CBC.
2. THE OWNER SHALL EMPLOY A STATE OF CALIFORNIA REGISTERED CIVIL OR STRUCTURAL ENGINEER OR LICENSED ARCHITECT TO PERFORM THE STRUCTURAL OBSERVATION. THE GOVERNING CODE AUTHORITY REQUIRES THE USE OF THE ENGINEER OR ARCHITECT, OR HIS/HER DESIGNEE RESPONSIBLE FOR THE STRUCTURAL DESIGN WHO ARE INDEPENDENT OF THE CONTRACTOR.
3. THE STRUCTURAL OBSERVER SHALL PROVIDE EVIDENCE OF EMPLOYMENT BY OWNER OR THE OWNER'S REPRESENTATIVE. A LETTER FROM THE OWNER, THE OWNER'S REPRESENTATIVE, OR A COPY OF THE AGREEMENT FOR SERVICES SHALL BE SENT TO BUILDING INSPECTOR BEFORE THE FIRST SITE VISIT.
4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL COORDINATE AND CALL FOR A MEETING BETWEEN ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS AND DEPUTY INSPECTORS. THE PURPOSE OF THE MEETING SHALL BE TO IDENTIFY MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT VERTICAL AND LATERAL LOAD SYSTEMS OF THE STRUCTURE AND TO REVIEW SCHEDULING OF THE REQUIRED OBSERVATIONS. A RECORD OF THE MEETING SHALL BE INCLUDED IN THE FIRST OBSERVATION REPORT SUBMITTED TO DSA PROJECT INSPECTOR.
5. THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE WORK THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED. AT A MINIMUM, THE LISTED SIGNIFICANT CONSTRUCTION STAGES ON THE FOLLOWING "STRUCTURAL OBSERVATION/SIGNIFICANT CONSTRUCTION STAGE TABLE" BELOW REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL OBSERVER.
6. THE STRUCTURAL OBSERVER SHALL PREPARE A REPORT FOR EACH SIGNIFICANT STAGE OF CONSTRUCTION OBSERVED. THE ORIGINAL OF THE STRUCTURAL OBSERVATION REPORT SHALL BE SENT TO THE DSA PROJECT INSPECTOR AND SHALL BE SIGNED AND SEALED (WET STAMP) BY THE RESPONSIBLE STRUCTURAL OBSERVER. ONE COPY OF THE OBSERVATION REPORT SHALL BE ATTACHED TO THE APPROVED PLANS. THE COPY ATTACHED TO PLANS SHALL BE SIGNED AND SEALED (WET STAMP) BY THE RESPONSIBLE STRUCTURAL OBSERVER OR THEIR DESIGNEE. COPIES OF REPORT SHALL ALSO BE GIVEN TO THE OWNER, CONTRACTOR, AND DEPUTY INSPECTOR. ANY DEFICIENCIES NOTED ON THE OBSERVATION REPORT WILL BECOME THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OR ARCHITECT OF RECORD TO VERIFY ITS COMPLETION BY THE STRUCTURAL OBSERVER.
7. A FINAL OBSERVATION REPORT MUST BE SUBMITTED WHICH SHOWS THAT ALL OBSERVED DEFICIENCIES WERE RESOLVED AND STRUCTURAL SYSTEM GENERALLY CONFORMS WITH THE APPROVED PLANS AND SPECIFICATIONS. THE GOVERNING CODE AUTHORITY WILL NOT ACCEPT THE STRUCTURAL WORK WITHOUT THIS FINAL OBSERVATION REPORT.
8. THE STRUCTURAL OBSERVER SHALL PROVIDE THE ORIGINAL STAMPED AND SIGNED STRUCTURAL OBSERVATION REPORT TO THE BUILDING INSPECTOR.
9. WHEN THERE IS A NEED TO REPLACE THE STRUCTURAL OBSERVER OF RECORD, THE OWNER SHALL:
   A. NOTIFY THE BUILDING INSPECTOR IN WRITING BEFORE THE NEXT INSPECTION
   B. CALL AN ADDITIONAL PRECONSTRUCTION MEETING, AND
   C. FURNISH THE REPLACEMENT STRUCTURAL OBSERVER WITH A COPY OF ALL PREVIOUS OBSERVATION REPORTS.
   D. THE NEW STRUCTURAL OBSERVER MUST BE DESIGNATED BY THE ENGINEER OR ARCHITECT OR RECORD.

   THE REPLACEMENT STRUCTURAL OBSERVER SHALL APPROVE THE CORRECTION OF THE ORIGINAL OBSERVED DEFICIENCIES UNLESS OTHERWISE APPROVED BY THE GOVERNING CODE AUTHORITY. THE POLICY OF THE GOVERNING CODE AUTHORITY SHALL BE TO CORRECT ANY PROPERLY NOTED DEFICIENCIES WITHOUT CONSIDERATION OF THEIR SOURCE.
10. THE ENGINEER OR ARCHITECT OF RECORD WILL DEVELOP ALL CHANGES RELATING TO THE STRUCTURAL SYSTEMS. THE GOVERNING CODE AUTHORITY SHALL REVIEW AND APPROVE ALL CHANGES TO THE APPROVED PLANS AND SPECIFICATIONS.
11. STRUCTURAL OBSERVATION/SIGNIFICANT CONSTRUCTION STAGE TABLE

STRUCTURAL OBSERVATION/SIGNIFICANT CONSTRUCTION STAGE TABLE		
CONST STAGE	CONST TYPE	ELEMENTS/CONNECTIONS TO BE OBSERVED
FOUNDATION	SPREAD FOOTINGS CONTINUOUS FTGS GRADE BEAMS	FIRST SIGNIFICANT SEISMIC FOUNDATION POUR REINF IN-PLACE PRIOR TO CONCRETING
WALL	CONC SHEAR WALLS	FIRST SIGNIFICANT SHEAR WALL POUR REINF IN PLACE PRIOR TO CLOSING FORMS
FRAME	STEEL BRACE FRAMES STEEL MOM FRAMES CONC MOM FRAMES	FIRST SIGNIFICANT FRAME ERECTION FRAME ELEMENTS IN PLACE PRIOR TO WELDING REINF IN-PLACE PRIOR TO CONCRETING
DIAPHRAGM	LVL 2 PT SLAB LVL 5 CONC SLAB CONC ON METAL DECK	FIRST SIGNIFICANT DIAPHRAGM PLACEMENT PT LAYOUT PRIOR TO CONCRETING REINF IN-PLACE PRIOR TO CONCRETING DECK AND STUDS ATTACHED PRIOR TO CONCRETING
COMPLETION	OVERALL STRUCTURE	ALL OBSERVED DEFICIENCIES RESOLVED GENERAL CONFORMANCE TO APPROVED DOCUMENTS

POST-INSTALLED ANCHORS

1. POST-INSTALLED ANCHORS INSTALLED IN NORMAL WEIGHT OR LIGHTWEIGHT CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
   A. KWIK BOLT TZ2 EXPANSION ANCHORS (ICC-ES REPORT ESR-4266) AS MANUFACTURED BY HILTI, INC.
   B. HIT-RE 500-SD ADHESIVE ANCHORS (ICC-ES REPORT ESR-2322) AS MANUFACTURED BY HILTI, INC. (NORMAL WEIGHT CONCRETE ONLY).
2. POST-INSTALLED ANCHORS INSTALLED IN NORMAL WEIGHT OR LIGHTWEIGHT CAST-ON-METAL DECK CONCRETE SHALL BE AS FOLLOWS:
   A. INSTALLED ON UNDERSIDE OF DECK: KWIK BOLT TZ2 EXPANSION ANCHORS (ICC-ES REPORT ESR-4266) AS MANUFACTURED BY HILTI, INC.
   B. INSTALLED ON TOP SIDE OF DECK HAVING A MINIMUM CONCRETE THICKNESS OF 3-1/4 INCH OVER TOP OF DECK: KWIK BOLT TZ2 EXPANSION ANCHORS (ICC-ES REPORT ESR-4266) AS MANUFACTURED BY HILTI, INC.
3. POST-INSTALLED ANCHORS INSTALLED IN FULLY GROUTED CONCRETE MASONRY UNITS SHALL BE AS FOLLOWS:
   A. KWIK BOLT 3 EXPANSION ANCHORS (ICC-ES REPORT ESR-1385) AS MANUFACTURED BY HILTI, INC.
4. POST-INSTALLED ANCHORS OF EQUAL QUALITY AND WITH CURRENT ICC-ES REPORT MAY BE SUBSTITUTED IF APPROVED BY THE ARCHITECT (STRUCTURAL ENGINEER).
5. POST-INSTALLED ANCHORS INSTALLED IN EXTERIOR EXPOSURE OR DAMP ENVIRONMENT SHALL BE STAINLESS STEEL.
6. DOWELS ANCHORED IN CONCRETE, CONCRETE MASONRY UNITS (GROUTED OR HOLLOW), OR BRICK SHALL BE AS FOLLOWS. DOWELS INSTALLED IN EXTERIOR EXPOSURE OR DAMP ENVIRONMENT SHALL BE STAINLESS STEEL. LENGTHS SHALL BE AS INDICATED ON DRAWINGS.
   A. DEFORMED REINFORCING BARS: ASTM A615, GRADE 60; OR ASTM A706.
   B. CARBON STEEL THREADED STEEL RODS: ASTM A36.
   C. STAINLESS STEEL THREADED RODS: ASTM F593, ALLOY GROUP I, TYPE 304, CONDITION CW.
7. INSTALL POST-INSTALLED ANCHORS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REINFORCING STEEL DOWELS, THREADED RODS, AND ANCHORS SHALL BE FREE OF DUST, GREASE, RUST AND OTHER MATERIALS THAT WILL IMPAIR BOND WITH CONCRETE.
8. USE ONLY NON-REBAR CUTTING DRILL BITS TO DRILL HOLES IN CONCRETE AND CONCRETE MASONRY UNITS. EXISTING REINFORCING STEEL SHALL BE POSITIVELY LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO DRILLING HOLES. DO NOT CUT OR DAMAGE EXISTING REINFORCING STEEL UNLESS APPROVED BY THE ARCHITECT (STRUCTURAL ENGINEER).
9. WHERE EXISTING CONCRETE IS DAMAGED AND/OR DRILLED HOLES ABANDONED, THE DAMAGED CONCRETE OR ABANDONED HOLES SHALL BE REPAIRED OR FILLED WITH NON-SHRINK GROUT, RESPECTIVELY. BRING EACH CONDITION TO THE ATTENTION OF THE ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO IMPLEMENTING REPAIRS.
10. DO NOT DRILL HOLES WITHIN 4 INCHES OF EXISTING ELECTRICAL OUTLETS THAT ARE EMBEDDED IN SUBSTRATE.
11. BRING TO THE ATTENTION OF THE ARCHITECT (STRUCTURAL ENGINEER) ANY POST-INSTALLED ANCHOR LOCATION THAT CANNOT COMPLY WITH THE PARAMETERS STATED HEREIN AND INDICATED ON THE DRAWINGS.

METAL DECKING

1. METAL DECKING SHALL BE OF GAGE AND PROFILE AS INDICATED ON THE DRAWINGS, BY MANUFACTURER(S) SPECIFIED.
2. METAL DECKING AND ACCESSORIES SHALL BE COLD FORMED FROM GALVANIZED STEEL SHEETS COMPLYING WITH ASTM A653-SS GRADE 50 (MINIMUM), HAVING A MINIMUM YIELD STRENGTH OF 38,000 PSI, WITH COATING DESIGNATION G60. GALVANIZING SHALL BE BY THE HOT-DIP PROCESS COMPLYING WITH ASTM A924.
3. MINIMUM BEARING OF METAL DECKING ON SUPPORTS SHALL BE 2 INCHES. ATTACH METAL DECKING TO SUPPORTING STEEL MEMBERS BY WELDING AS SPECIFIED ON THE DRAWINGS AND AS RECOMMENDED BY DECK MANUFACTURER USING E60 OR E70 ELECTRODES. DECK WELDING SHALL BE IN COMPLIANCE WITH ANSI/AWS D1.3. WELDERS SHALL BE AWS CERTIFIED AS REQUIRED BY THE GOVERNING CODE AUTHORITY.
4. DECKING IS DESIGNED FOR UNSHORED CONSTRUCTION TO MAXIMUM SPANS INDICATED ON THE DRAWINGS. SUBJECT TO APPROVAL BY THE ARCHITECT (STRUCTURAL ENGINEER), PROVIDE ADEQUATE SHORING OR HEAVIER GAUGE DECK WHERE MAXIMUM SPANS ARE EXCEEDED. DECKING SHALL BE CONTINUOUS OVER THREE SPANS WHERE POSSIBLE.
5. HOURLY FIRE RESISTIVE REQUIREMENTS FOR FLOOR AND ROOF DECKS SHALL BE DETERMINED USING CBC TABLE 601. BUILDING TYPES OF CONSTRUCTION AND FIREPROOFING MATERIALS ARE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
6. COMPOSITE SLABS OF CONCRETE ON STEEL DECK SHALL BE CONSTRUCTED IN ACCORDANCE WITH CBC SECTIONS 1604A.3.3 AND 2210A.1.1
   A. PROVIDE VENTED DECKING WHERE VAPOR-IMPERVIOUS MEMBRANE OCCURS OVER CONCRETE SLAB-ON-DECK.
   B. FOR COMPOSITE DECKS, PROVIDE DECKING WITH EMBOSSMENTS TO FORM A MECHANICAL LOCK BETWEEN CONCRETE AND DECKING.
   C. SHEAR STUDS SHALL BE NELSON SHEAR CONNECTOR STUDS (ICC EVALUATION SERVICE REPORT ER-2856), OR AN APPROVED EQUAL, AND SHALL BE MADE FROM COLD DRAWN, LOW CARBON STEEL CONFORMING TO ASTM A108, GRADES C1010 THROUGH C1020, WITH A MINIMUM TENSILE STRENGTH OF 65 KSI. STUD WELDING TEST AND INSPECTION SHALL CONFORM TO AWS D1.1, CHAPTER 7.
      1. PROVIDE SHEAR STUDS FASTENED TO ALL FLOOR BEAMS AND GIRDERS AS SHOWN ON DRAWINGS OR AT MAXIMUM SPACING INDICATED.
      2. WELD SHEAR STUDS IN COMPLIANCE WITH AWS D1.1, CHAPTER 7. WELDERS SHALLBE AWS CERTIFIED AS REQUIRED BY THE GOVERNING CODE AUTHORITY. FASTEN WITH AN AUTOMATIC ELECTRIC ARC WELD GUN. REPAIR DEFECTIVE STUDS PER AWS D1.1 SECTION 7.7.5.
      3. 18-GAUGE DECKING OR THICKER SHALL NOT BE LAPPED WHERE WELDED SHEAR STUDS ARE ATTACHED THROUGH THE DECK TO SUPPORTS.
   D. PIPES UP TO 4" DIAMETER (200 LBS MAX PER HANGER), DUCTWORK UP TO 60" X 16" OR EQUIVALENT PERIMETER (200 LBS MAX PER HANGER), AND CEILINGS MAY BE HUNG FROM METAL DECK WITH STRUCTURAL CONCRETE TOPPING. SUCH HANGERS SHALL BE INSTALLED IN CONCRETE TOPPING USING ANCHORAGE SYSTEMS HAVING CURRENT ICC-ES REPORTS. HEAVIER LOADS SHALL BE SUPPORTED BY STRUCTURAL FRAMING OR SUPPLEMENTAL SECONDARY FRAMING.
   E. PROVIDE CLOSURE ANGLES AT ALL OPENINGS IN CONCRETE SLAB-ON-DECK, INCLUDING THOSE NOT SHOWN ON STRUCTURAL DRAWINGS. CLOSURE ANGLES SHALL BE 18-GAUGE MINIMUM AND SHALL BE WELDED TO DECKING OR SUPPORTS, UNLESS DETAILED OTHERWISE.
7. SCREED CONCRETE PARALLEL TO METAL DECKING MAINTAINING CONCRETE THICKNESS AS INDICATED ON DRAWINGS.

   ROOF DECKING:

   A. FOR COMPOSITE CONCRETE ON METAL ROOF DECKING, REFER TO FLOOR DECKING REQUIREMENTS HEREINABOVE.
   B. FOR INSULATING CONCRETE FILL ON METAL ROOF DECKING:
      1. USE ROOF DECK WITH FACTORY PUNCHED VENT TABS PROVIDING 1 TO 1.5 PERCENT OPENING FOR POSITIVE VENTING.
      2. PROVIDE INSULATING CONCRETE, WITH OR WITHOUT INSULATION BOARD, AS SPECIFIED ON DRAWINGS. AGGREGATE SHALL COMPLY WITH ASTM C332, GROUP I. PORTLAND CEMENT SHALL COMPLY WITH ASTM C150, TYPE I OR TYPE III. OVEN DRY UNIT WEIGHT OF INSULATING CONCRETE SHALL BE 25 TO 30 PCF WITH A MINIMUM COMPRESSIVE STRENGTH OF 140 PSI, TESTED IN ACCORDANCE TO ASTM C495.
      3. REINFORCE WITH 2-INCH HEXAGONAL MESH WOVEN FROM NO. 19 GAGE GALVANIZED WIRE WITH AN ADDITIONAL NO. 16 GAGE GALVANIZED WIRE WOVEN INTO THE MESH AT 3 1/2". THE MESH SHALL BE PULLED UP TO APPROXIMATELY 1/2 INCH BELOW THE SURFACE AFTER FINAL SCREEDING.
   C. FOR METAL DECK ONLY OR METAL DECK WITH INSULATING CONCRETE FILL:
      1. DO NOT SUSPEND PIPING OVER 1-1/2" DIAMETER, DUCTS LARGER THAN 12" X 16" (OR EQUIVALENT PERIMETER), OR OTHER LOADS WITH EXCEPTION OF SUSPENDED ACOUSTICAL CEILINGS AND INTEGRALLY SUPPORTED LIGHT FIXTURES FROM ROOF DECKING. HANGERS TO ROOF DECKING SHALL PENETRATE DECK AND BE ATTACHED TO A 1/2" DIAMETER BY 1'-0" LONG RODS LAID IN AND PARALLEL TO THE BOTTOM OF THE LOW DECK FLUTES. HANGERS SHALL BE TWO FLUTES APART IF THEY OCCUR ON THE SAME SPAN.
8. AT COMPLETION OF METAL DECK ERECTION, ALL WELDS IN EXPOSED AREAS SHALL BE DE-SLAGGED, CLEAND AND PRIMED WITH A ZINC RICH PRIMER.
9. SUBMIT COMPLETE METAL DECKING SHOP DRAWINGS TO ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW PRIOR TO FABRICATION.

DEMOLITION

1. VERIFY EXISTING BUILDING DIMENSIONS AND ELEVATIONS. NOTIFY ARCHITECT (STRUCTURAL ENGINEER) OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
2. DEMOLITION WORK SHALL BE CONDUCTED IN SUCH A MANNER AS TO NOT DAMAGE EXISTING ELEMENTS THAT ARE TO REMAIN IN THE FINISHED BUILDING.
3. EXISTING ELEMENTS OF THE STRUCTURE THAT ARE TO REMAIN IN THE FINISHED BUILDING SHALL BE PROTECTED AS NECESSARY TO MINIMIZE DAMAGE DURING DEMOLITION WORK. ANY SUCH DAMAGE SHALL BE REPAIRED AND/OR REPLACED AT NO ADDED COST.
4. PROVIDE MEASURES NECESSARY TO PROTECT THE EXISTING STRUCTURE DURING DEMOLITION WORK. PROTECTIVE MEASURES SHALL REMAIN IN PLACE UNTIL THE FINAL STRUCTURAL ELEMENTS ARE IN PLACE AND ABLE TO SAFELY CARRY ALL IMPOSED EXISTING BUILDING LOADS. SUCH MEASURES INCLUDE, BUT NOT LIMITED TO, BRACING AND SHORING.
5. EXISTING CONCRETE ELEMENTS THAT ARE TO BE REMOVED BY CHIPPING SHALL BE STARTED WITH A 3/4 INCH DEEP SAW CUT. CORNERS SHALL BE DRILLED TO PREVENT OVER-CUTTING. EXPOSED SAW CUT LINES SHALL BE CLEAN, STRAIGHT AND SMOOTH.
6. ROUGHEN EXISTING CONCRETE SURFACES AGAINST WHICH FRESH CONCRETE IS TO BE PLACED TO A FULL AMPLITUDE OF 1/4 INCH.
7. EXISTING REINFORCING STEEL TO REMAIN SHALL BE CLEANED TO BARE METAL.
8. DEMOLISHED MATERIALS PLACED ON EXISTING FLOORS SHALL BE SPREAD OUT SUCH THAT IMPOSED LOADS DO NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING WHERE OVERLOAD IS ANTICIPATED.

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KEYNOTES

NOTES

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CHINO INSTRUCTIONAL BUILDING

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GENERAL NOTES

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

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PLEASE RECYCLE

THE LINE SHOWN ABOVE IS ONE INCH LONG ON ORIGINAL PLANS SHEETS ORIGINAL SCALE

(ANSI/AISC 341 CHAPTER J) REQUIRED SPECIAL INSPECTIONS AND TESTS OF STEEL OF SFRS			
INSPECTION OF WELDING			
	VISUAL INSPECTION TASKS PRIOR TO WELDING	**TASK**	**DOC**
	(ANSI/AISC 341 TABLE J6-1)		
MATERIAL IDENTIFICATION (TYPE/GRADE)		O	_
WELDER IDENTIFICATION SYSTEM		O	_
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)			
- JOINT PREPARATION			
- DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)		O	_
- CLEANLINESS (CONDITION OF STEEL SURFACES)			
- TACKING (TACK WELD QUALITY AND LOCATION)			
- BACKING TYPE AND FIT (IF APPLICABLE)			
CONFIGURATION AND FINISH OF ACCESS HOLES		O	_
FIT-UP OF FILLET WELDS			
- DIMENSIONS (ALIGNMENT, GAPS AT ROOT)		O	_
- CLEANLINESS (CONDITION OF STEEL SURFACES)			
- TACKING (TACK WELD QUALITY AND LOCATION)			
	VISUAL INSPECTION TASKS DURING WELDING	**TASK**	**DOC**
	(ANSI/AISC 341 TABLE J6-2)		
WPS FOLLOWED			
- SETTINGS ON WELDING EQUIPMENT			
- TRAVEL SPEED			
- SELECTED WELDING MATERIALS			
- SHIELDING GAS TYPE/ FLOW RATE		O	_
- PREHEAT APPLIED			
- INTERPASS TEMPERATURE MAINTAINED (MIN/ MAX)			
- PROPER POSITION (F, V, H, OH)			
- INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED			
USE OF QUALIFIED WELDERS		O	_
CONTROL AND HANDLING OF WELDING CONSUMABLES			
- PACKAGING		O	_
- EXPOSURE CONTROL			
ENVIRONMENTAL CONDITIONS			
- WIND SPEED WITHIN LIMITS		O	_
- PRECIPITATION AND TEMPERATURE			
WELDING TECHNIQUES			
- INTERPASS AND FINAL CLEANING			
- EACH PASS WITHIN PROFILE LIMITATIONS		O	_
- EACH PASS MEETS QUALITY REQUIREMENTS			
NO WELDING OVER CRACKED TACKS		O	_
	VISUAL INSPECTION TASKS AFTER WELDING	**TASK**	**DOC**
	(ANSI/AISC 341 TABLE J6-3)		
INSPECTION OF BOLTING			
	INSPECTION TASKS PRIOR TO BOLTING	**TASK**	**DOC**
	(ANSI/AISC 341 TABLE J7-1)		
	INSPECTION TASKS DURING BOLTING	**TASK**	**DOC**
	(ANSI/AISC 341 TABLE J7-2)		
	INSPECTION TASKS AFTER BOLTING	**TASK**	**DOC**
	(ANSI/AISC 341TABLE J7-3)		

REQUIRED SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION			
SEE TMS 602-16 TABLE 4 LEVEL 3 (SEE 2019 CBC 1705A.4)			
TABLE 3.2 -LEVEL C QUALITY ASSURANCE (TMS 402/ACI 530/ ASCE 5 TABLE 1.19.3)			
MINIMUM TEST			
VERIFICATION OF *f'm* IN ACCORDANCE WITH SPECIFICATION ARCTICLE 1.4 B PRIOR TO CONSTRUCTION, AND FOR EVERY 5,000 SQ FT. (465 AQ.M) DURING CONSTRUCTION			
VERIFICATION OF PROPERTIES OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE			
	INSPECTION TASKS	**CONTINUOUS**	**PERIODIC**
1.	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		X
2.	VERIFY THAT THE FALLOWING ARE IN COMPLIANCE:		X
a.	PROPORTIONS OF SITE-MIXED, MORTAR AND GROUT.		X
b.	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS		X
c.	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS		
d.	PLACEMENT OF REINFORCEMENT AND CONNECTORS	X	
e.	GROUT SPACE PRIOR TO GROUTING	X	
f.	PLACEMENT OF GROUT AND PRESTESSING GROUT FOR BONDED TENDONS	X	
g.	SIZE LOCATION OF STRUCTURAL ELEMENTS		X
h.	TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE TO MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	X	
i.	WELDING OF REINFORCEMENT	X	X
j.	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)		X
3.	OBSERVE PREPERATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	X	

(CBC TABLE 1705.6) REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS			
	INSPECTION TASK	**CONTINUOUS**	**PERIODIC**
1.	VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	_	X
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	_	X
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	_	X
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	_
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	_	X

REQUIRED SPECIAL INSPECTION OF STRUCTURAL STEEL CONSTRUCTION			
SEE TABLE 1705A.2.1 (SEE CBC SECTION 1705A.2)			
TABLE1.1.2 (AISC 360 TABLE N5. 4-2)	**INSPECTION TASK DURING WELDING**	**TASK**	**DOC**
1.	USE OF QUALIFIED WELDERS	O	-
2.	CONTROL AND HANDLING OF WELDING CONSUMABLES A. PACKAGING B. EXPOSURE CONTROL	O	-
3.	NO WELDING OVER CRACKED TACK WELDS	O	-
4.	ENVIRONMENTAL CONDITIONS A. WIND SPEED WITHIN LIMITS B. PRECIPITATION AND TEMPERATURE	O	-
5.	WPS FOLLOWED A. SETTINGS ON WELDING EQUIPMENT B. TRAVEL SPEED C. SELECTED WELDING MATERIALS D. SHIELDING GAS TYPE FLOW RATE E. PREHEATED APPLIED F. INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) G. PROPER POSITION (F ,V ,H , OH)	O	-
6.	WELDING TECHNIQUES A. INTERPASS AND FINAL CLEANING B. EACH PASS WITHIN PROFILE LIMITATIONS C. EACH PASS MEETS QUALITY REQUIREMENTS	O	-
TABLE1.1.3 (AISC 360 TABLE N5. 4-3)	**INSPECTION TASKS AFTER WELDING**	**TASK**	**DOC**
1.	WELDS CLEANED	O	-
2.	SIZE, LENGTH AND LOCATION OF WELDS	P	-
3.	WELDS MEET VISUAL ACCEPTANCE CRITIRIA A. CRACK PROHIBITION B. WELD/BASE-METAL FUSION C. CRATER CROSS SECTION D. WELD PROFILES E. WELD SIZE F. UNDERCUT G. POROSITY	P	-
4.	ARC STRIKES	P	-
5.	*k*-AREA	P	-
6.	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	-
7.	REPAIR ACTIVITIES	P	-
8.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	-
WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE *k*-AREA, VISUALLY INSPECT THE WEB *k*-AREA FOR CRACKS WITHIN 3 IN. OF WELD			

TABLE 1.2 INSPECTION OF BOLTING			
TABLE 1.2.1 (AISC 360 TABLE N5.6-1)	**INSPECTION TASKS PRIOR TO BOLTING**	**TASK**	**DOC**
1.	MANUFACTURE'S CERTIFICATION AVAILABLE FOR FASTENER MATERIALS	P	-
2.	FASTENERS MARKED IN ACCORDANACE WITH ASTM REQUIREMENTS	O	-
3.	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THEADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	-
4.	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	-
5.	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION , IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	-
6.	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	O	-
7.	PROPER STORAGE PROVIDED FOR BOLTS, NUTS AND OTHER FASTENER COMPONENTS	O	-
TABLE 1.2.2 (AISC 360 TABLE N5.6-2)	**INSPECTION TASKS DURING BOLTING**	**TASK**	**DOC**
1.	FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	_
2.	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION, PRIOR TO THE PRETENSIONING OPERATION	O	_
3.	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	_
4.	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	_
TABLE 1.2.3 (AISC 360 TABLE N5.6-3)	**INSPECTION TASKS AFTER BOLTING**	**TASK**	**DOC**
1.	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	-

TABLE 1.3 (AISC TABLE N6.1) INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACE			
	INSPECTION TASKS	**TASK**	**DOC**
1.	PLACEMENT AND INSTALLATION OF STEEL DECK	P	-
2.	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHOR	P	-
3.	DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	P	-

TABLE 1.4 (CBC TABLE 1705.2.3) REQUIRED SPECIAL INSPECTION OF OPEN - WEB STEEL JOISTS AND JOIST GIRDERS			
	INSPECTION TASKS	**CONTINUOUS**	**PERIODIC**
1.	INSTALLATION OF OPEN-WEB STEEL JOIST AND JOIST GIRDERS		
a.	END CONNECTIONS - WELDING OR BOLTED.		X
b.	BRIDGING - HORIZONTAL OR DIAGONAL.		
1.	STANDARD BRIDGING		X
2.	BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN CBC SECTION 2207.1		X

(CBC TABLE 1705A.3) REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION			
	INSPECTION TASKS	**CONTINUOUS**	
1.	INSPECT REINFORCEMENT, INCLUDING PRETRESSING TENDONS, AND VERIY PLACEMENT	-	X
2.	REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND c. INSPECT ALL OTHER WELDS.	- - X	X X -
3.	INSPECT ANCHORS CAST IN CONCRETE.[a]	X	-
4.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	X -	- X
5.	VERIFY USE OF REQUIRED DESIGN MIX.	-	X
6.	PRIOR TO CONCRETE PLACEMENT. FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TEST, AND DETERMINE THE TEMPERTURE OF THE CONCRETE.	X	-
7.	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X
9.	INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCES; AND b. GROUTING OF BONDED PRESTRESSING TENDONS	X X	- -
10.	INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X
11.	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X
12.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X
a.	SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL INCLUDED IN THE RESEARCH REPORT FOT THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.		

8/5/2021 6:26:07 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
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KEYNOTES

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GENERAL NOTES

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FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

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PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 3" LONG WHEN PRINTED AT FULL SIZE ON SHEETS ORIGINAL SPACE SIZE

STATEMENT OF SPECIAL INSPECTIONS (CONTINUED)

8. APPROVED AGENCY SHALL PERFORM SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE IN ACCORDANCE WITH CBC SECTION 1705A.12 FOR THE FOLLOWING WORK.

   A. INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AISC 34 (CHAPTER J) AND TABLE 7.1.

      1. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS SHALL BE IN ACCORDANCE WITH AISC 341 (CHAPTER J.6), AWS D1.8/D1.8M AS FOLLOWS:

         a. k-AREA NDT: WHERE WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, THE WEB SHALL BE TESTED FOR CRACKS USING MT. THE MT INSPECTION AREA SHALL INCLUDE THE k-AREA BASE METAL WITHIN 3 INCHES OF THE WELD. THE MT SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWING COMPLETION OF THE WELDING.
         b. CJP GROOVE WELD NDT: UT SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 INCH OR GREATER. UT IN MATERIAL LESS THAN 5/16 INCH THICK IS NOT REQUIRED. MT SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.
         c. BASE METAL NDT FOR LAMELLAR TEARING AND LAMINATIONS: AFTER JOINT COMPLETION, BASE METAL THICKER THAN 1-1/2 INCHES LOADED IN TENSION IN THE THROUGH THICKNESS DIRECTION IN TEE AND CORNER JOINTS, WHERE THE CONNECTED MATERIAL IS GREATER THAN 3/4 INCH AND CONTAINS CJP GROOVE WELDS, SHALL BE UT FOR DISCONTINUITIES BEHIND AND ADJACENT TO THE FUSION LINE OF SUCH WELDS. ANY BASE METAL DISCONTINUITIES FOUND WITHIN T/4 OF THE STEEL SURFACE SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF CRITERIA OF AWS D1.1 TABLE 6.2, WHERE T IS THE THICKNESS OF THE PART SUBJECTED TO THE THROUGH-THICKNESS STRAIN.
         d. BEAM COPE AND ACCESS HOLE NDT: AT WELDED SPLICES AND CONNECTIONS, THERMALLY CUT SURFACES OF BEAM COPES AND ACCESS HOLES SHALL BE TESTED USING MT OR DT, WHEN THE FLANGE THICKNESS EXCEEDS 1-1/2 INCHES FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 1-1/2 INCHES FOR BUILT-UP SHAPES.
         e. REDUCED BEAM SECTION (RBS) REPAIR NDT: MT SHALL BE PERFORMED ON ANY WELD AND ADJACENT AREA OF THE RBS PLASTIC HINGE REGION THAT HAS BEEN REPAIRED BY WELDING, OR ON THE BASE METAL OF THE RBS PLASTIC HINGE REGION IF A SHARP NOTCH HAS BEEN REMOVED BY GRINDING.
         f. WELD TAB REMOVAL SITES: MT SHALL BE PERFORMED ON THE END OF WELDS FROM WHICH THE WELD TABS HAVE BEEN REMOVED, EXCEPT FOR CONTINUITY PLATE WELD TABS.
         g. REDUCTION OF PERCENTAGE OF UT: THE REDUCTION OF PERCENTAGE OF UT IS PERMITTED TO BE REDUCED IN ACCORDANCE WITH NOTE 7.A.1.f ABOVE, EXCEPT NO REDUCTION IS PERMITTED FOR DEMAND CRITICAL WELDS.
         h. REDUCTION OF PERCENTAGE OF MT: THE AMOUNT OF MT ON CJP GROOVE WELDS IS PERMITTED TO BE REDUCED IF APPROVED BY THE ENGINEER OF RECORD AND THE GOVERNING CODE AUTHORITY. THE MT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR MAY BE REDUCED TO 10 PERCENT, PROVIDED THE REJECT RATE IS DEMONSTRATED TO BE 5 PERCENT OR LESS OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL BE MADE FOR SUCH REDUCTION EVALUATION. REJECT RATE IS THE NUMBER OF WELDS CONTAINING REJECTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED. THIS REDUCTION IS NOT PERMITTED ON WELDS IN THE k-AREA, AT REPAIR SITES, WELD TAB AND BACKING REMOVAL SITES AND ACCESS HOLES.

      2. INSPECTION OF HIGH-STRENGTH BOLTING: BOLTING INSPECTION SHALL CONFORM WITH NOTE 7.A.2 HEREINABOVE AND TABLE 7.2.

      3. OTHER INSPECTIONS OF STRUCTURAL STEEL SHALL CONFROM WITH NOTE 7.A.4. HEREINABOVE AND TABLE 7.4.

   B. COLD-FORMED STEEL LIGHT-FRAMED CONSTRUCTION: PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WELDING OPERATION OF ELEMENTS OF THE SFRS. PERIODIC INSPECTION IS REQUIRED FOR SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SFRS, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS AND HOLD-DOWNS.

9. DEFINITIONS

   A. CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
   B. PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
   C. OBSERVE (O): APPROVED AGENCY SHALL OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIONS.
   D. PERFORM (P): THESE INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.
   E. DOCUMENT (D): APPROVED AGENCY SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.

STATEMENT OF SPECIAL INSPECTIONS

1. AN APPROVED AGENCY, RETAINED BY OWNER AND SATISFACTORY TO ARCHITECT (STRUCTURAL ENGINEER) AND GOVERNING CODE AUTHORITY, SHALL PERFORM SPECIAL INSPECTIONS AND TESTS REQUIRED BY THIS CONTRACT AND APPLICABLE CODE. THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS REQUIRED BY CB SECTION 110. AN APPROVED AGENCY IS AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING TESTS AND/OR FURNISHING INSPECTION SERVICES, WHERE SUCH AGENCY HAS BEEN APPROVED BY THE GOVERNING CODE AUTHORITY.

2. APPROVED AGENCY SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SHALL FURNISH REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE GOVERNING CODE AUTHORITY AND THE ARCHITECT (STRUCTURAL ENGINEER). REPORTS SHALL INDICATE WHETHER THE WORK INSPECTED OR TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPENCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF NOT CORRECTED, THE DISCREPENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE GOVERNING CODE AUTHORITY AND THE ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF DISCREPENCIES, SHALL BE SUBMITTED UPON COMPLETION OF THAT PHASE OF WORK.

3. WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED BY THE GOVERNING CODE AUTHORITY TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. FABRICATOR APPROVAL SHALL BE IN ACCORDANCE TO CBC SECTION 1704A.2.5.1.

4. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE-RESISTINGNSYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND- OR SEISMIC FORCE-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE GOVERNING CODE AUTHORITY 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 OF INSPECTION.

5. CONTRACTOR SHALL SUBMIT MATERIAL CERTIFICATION OR LABORATORY TEST REPORTS CERTIFYING MATERIALS ARE OF IDENTIFIABLE TESTED STOCK, COMPLYING WITH PROJECT SPECIFICATIONS, TO OWNER, APPROVED AGENCY, ARCHITECT (STRUCTURAL ENGINEER) AND, UPON REQUEST, TO GOVERNING CODE AUTHORITY. IF LABORATORY TEST REPORTS CANNOT BE MADE AVAILABLE, APPROVED AGENCY WILL PERFORM TESTS AS DIRECTED BY ARCHITECT (STRUCTURAL ENGINEER). CONTRACTOR SHALL PAY FOR COSTS RELATED TO TESTS AND INSPECTIONS OF UNIDENTIFIABLE MATERIALS. MATERIALS FURNISHED WITHOUT LABORATORY TEST REPORTS, MATERIALS FOUND DEFICIENT AFTER INITIAL TESTS AND INSPECTIONS, AND/OR MATERIALS REPLACING DEFICIENT MATERIALS.

6. APPROVED AGENCY SHALL SUBMIT MATERIAL TEST REPORTS INDICATING WHETHER TESTED MATERIALS ARE IN COMPLIANCE OR NONCOMPLIANCE WITH CONTRACT DOCUMENTS TO OWNER, CONTRACTOR, ARCHITECT (STRUCTURAL ENGINEER) AND, UPON REQUEST, TO GOVERNING CODE AUTHORITY.

7. APPROVED AGENCY SHALL PERFORM SPECIAL INSPECTIONS IN ACCORDANCE WITH CBC SECTION 1705A AND WITH THIS SHEET FOR THE FOLLOWING WORK. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL TEST AND INSPECTION REQUIREMENTS.

   A. STEEL CONSTRUCTION: SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES, AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIRMENTS OF AISC 360 (CHAPTER N):

      1. INSPECTION OF WELDING: OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROGRESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH CONSTRUCTION DOCUMENTS. ALL PROVISIONS OF AWS D.1.1/D1.1M AND TABLE 1.1 SHALL APPLY.

         a. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS SHALL BE IN ACCORDANCE WITH AISC 360 (CHAPTER N5.5) AS FOLLOWS.
         b. PROCEDURES: ULTRASONIC TESTING (UT), MAGNETIC PARTICLE TESTING (MT), PENETRANT TESTING (PT) AND RADIOGRAPHIC TESTING (RT), WHERE REQUIRED, SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1/D1.1M CLAUSE 6). ACCEPTANCE CRITERIA SHALL BE IN ACCORDANCE WITH AWS D1.1/D1.1M (TABLE 6.2), UNLESS OTHERWISE DESIGNATED IN THE CONTRACT DOCUMENTS.
         c. CJP GROOVE WELD NDT: FOR STRUCTURES IN RISK CATEGORY III OR IV, UT SHALL BE PERFORMED ON ALL CJP GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16" THICK OR GREATER. FOR STRUCTURES IN RISK CATEGORY II, UT SHALL BE PERFORMED ON 10% OF CJP GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16" THICK OR GREATER.
         d. ACCESS HOLE NDT: THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED USING MT OR PT, WHEN THE FLANGE THICKNESS EXCEEDS 2" FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2" FOR BUILT-UP SHAPES. ANY CRACK SHALL BE DEEMED UNACCEPTABLE REGARLESS OF SIZE OR LOCATION.
         e. WELDED JOINTS SUBJECTED TO FATIGUE: WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RT OR UT INSPECTION SHALL BE TESTED AS PRESCRIBED IN SECTIONS 6.12.2 OR 6.13.2 OF AWS D1.1/D1.1M. REDUCTION IN THE RATE OF UT IS PROHIBITED.
         f. REDUCTION OF RATE OF UT: THE RATE OF UT IS PERMITTED TO BE REDUCED IF APPROVED BY THE ENGINEER OF RECORD AND THE GOVERNING CODE AUTHORITY. WHERE THE INITIAL RATE IS 100%, THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR IS PERMITTED TO BE REDUCED TO 25%, PROVIDED THE REJECT RATE (THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED) IS DEMONSTRATED TO BE 5% OR LESS OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 40 COMPLETED WELDS FOR A JOB SHALL BE MADE FOR SUCH REDUCTION EVALUATION. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS 1 INCH OR LESS, EACH 12-INCH INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS GREATER THAN 1 INCH, EACH 6-INCH OF LENGTH OR FRACTION THEREOF SHALL BE CONSIDERED ONE WELD.
         g. INCREASE IN RATE OF UT: FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR UT IS 10%, THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR SHALL BE INCREASED TO 100% SHOULD THE REJECT RATE (THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED) EXCEEDS 5% OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL BE MADE PRIOR TO IMPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE FOR THE WELDER OF WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 COMPLETED WELDS, HAS FALLEN TO 5% OR LESS, THE RATE OF UT SHALL BE RETURNED TO 10%. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS 1 INCH OR LESS, EACH 12-INCH INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS GREATER THAN 1 INCH, EACH 6-INCH OF LENGTH OR FRACTION THEREOF SHALL BE CONSIDERED ONE WELD
         h. DOCUMENTATION: ALL NDT PERFORMED SHALL BE DOCUMENTED. FOR SHOP ABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND THE LOCATION IN THE PIECE.

      2. INSPECTION OF HIGH-STRENGTH BOLTING: OBSERVATION OF BOLTING OPERATIONS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT MATERIALS, PROCEDURES AND WORKMANSHIP INCORPORATED IN CONSTRUCTION ARE IN CONFORMANCE WITH CONSTRUCTION DOCUMENTS. ALL PROVISIONS OF THE RSCS 'SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" AND TABLE 1.2 SHALL APPLY.

         a. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICATION TESTING AS SPECIFIED IN TABLE 1.2.1 AND MONITORING OFTHE INSTALLATION PROCEDURES SPECIFIED IN TABLE 1.2.2 ARE NOT APPLICABLE. APPROVED AGENCY NEED NOT BE PRESENT DURING INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS.
         b. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION INDICATOR METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BOLT METHOD, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE 1.2.2. APPROVED AGENCY NEED NOT BE PRESENT DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.
         c. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE CALIBRATED WRENCH METHOD OR THE TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE 1.2.2.

      3. INSPECTION OF COMPOSITE CONSTRUCTION: INSPECTION OF STRUCTURAL STEEL AND STEEL DECK USED IN COMPOSITE CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENT OF THIS SECTION AND TABLE 1.3.

         a. FOR WELDING OF HEADED CONCRETE ANCHORS, THE PROVISIONS OF AWS D1.1/D1.1M (CLAUSE 7) SHALL APPLY.
         b. OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT MATERIALS, PROCEDURES AND WORKMANSHIP INCORPORATED IN CONSTRUCTION ARE IN CONFORMANCE WITH CONSTRUCTION DOCUMENTS. ALL APPLICABLE PROVISIONS AWS D1.3/D1.3M SHALL APPLY. DECK WELDING INSPECTION SHALL INCLUDE VERIFICATION OF THE WELDING CONSUMABLES, WELDING PROCEDURE SPECIFICATIONS AND QUALIFICATIONS OF WELDING PERSONNEL PRIOR TO THE START OF WORK, OBSERVATIONS OF THE WORK IN PROGRESS, AND A VISUAL INSPECTION OF COMPLETED WELDS. FOR DECKS ATTACHED BY FASTENING SYSTEMS OTHER THAN WELDING, INSPECTION SHALL INCLUDE VERIFICATION OF FASTENERS TO BE USED PRIOR TO THE START OF WORK, OBSRVATIONS OF THE WORK IN PROGRESS TO CONFIRM INSTALLATION IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND A VISUAL INSPECTION OF THE COMPLETED INSTALLATION.

      4. OTHER STRUCTURAL STEEL INSPECTION TASKS:

         a. APPROVED AGENCY SHALL BE ON THE PREMISES DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND LENGTH OF ANCHOR RODS OR EMBEDDED ITEMS, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO CONCRETE, SHALL BE VERIFIED PRIOR TO PLACEMENT OF CONCRETE.
         b. APPROVED AGENCY SHALL INSPECT THE FABRICATED OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATION AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

      5. COLD-FORMED STEEL DECK: SPECIAL INSPECTIONS AND QUALIFICATIONS OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECKS SHALL BE IN ACCORDNACE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QA/QC.

      6. SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOIST AND JOIST GIRDERS IN BUILDINGS, STRUCTURES, AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH TABLE 1.4.

      7. WHERE A COLD-FORMED STEEL TRUSS CLEAR SPAN IS 60 FEET OR GREATER, THE APPROVED AGENCY SHALL VERIFY THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.

   B. CONCRETE/SHOTCRETE CONSTRUCTION: SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE TO CBC SECTION 1705.3 AND TABLE 2.

      1. SPECIAL INSPECTIONS OF WELDING AND QUALIFICAIONS OF SPECIAL INSPECTORS FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR SPECIALS INSPECTION AND OF AWS D1.4 FOR SPECIAL INSPECTOR QUALIFICAION.

      2. MATERIAL TESTS: IN THE ABSENSE OF SUFFICIENT DATA OR DOCUMENTATION PROVIDING EVIDENCE OF CONFORMANCE TO QUALITY STANDARDS FOR MATERIALS IN CHAPTERS 19 AND 20 OF ACI 318, THE GOVERNING AGENCY SHALL REQUIRE TESTING OF MATERIALS IN ACCORDANCE WITH THE APPROPRIATE STANDARDS AND CRITERIA FOR THE MATERIAL IN CHAPTERS 19 AND 20 OFACI 318.

8/5/2021 6:26:09 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

GENERAL NOTES

DSA APPROVAL

FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

S0.05

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLANS SHEET'S ORIGINAL SIZE

ABBREVIATIONS

	#	POUNDS, NUMBER
	&	AND
	<	LESS THAN
	>	GREATER THAN
	@	AT
	°	DEGREE
	±	PLUS OR MINUS
	≤	LESS THAN OR EQUAL TO
	≥	GREATER THAN OR EQUAL TO

A

A	AA	ADHESIVE ANCHOR
A	AB	ANCHOR BOLT(S)
A	ABV	ABOVE
A	ADDL	ADDITIONAL
A	ADDN	ADDITION
A	ADJ	ADJACENT, ADJUSTABLE
A	AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
A	ALT	ALTERNATE
A	ANCH	ANCHOR
A	APPROX	APPROXIMATE
A	AR	ALL AROUND
A	ARCH	ARCHITECTURAL

B

B	BAL	BALANCE
B	BC	BOTTOM CHORD
B	BE	BOUNDARY ELEMENT
B	BEL	BELOW
B	BLDG	BUILDING
B	BLKG	BLOCKING
B	BLL	BOTTOM LOWER LAYER
B	BM	BEAM
B	BN	BOUNDARY NAILING
B	BO	BOTTOM OF
B	BOBP	BOTTOM OF BASE PLATE
B	BOS	BOTTOM OF STEEL
B	BOT	BOTTOM
B	BP	BASE PLATE
B	BPL	BEARING PLATE
B	BRB	BUCKLING-RESTRAINED BRACE
B	BRBF	BUCKLING-RESTRAINED BRACED FRAME
B	BRCG	BRACING
B	BRDG	BRIDGING
B	BRG	BEARING
B	BS	BOTH SIDES
B	BSMT	BASEMENT
B	BTWN	BETWEEN
B	BU	BUILT-UP
B	BUL	BOTTOM UPPER LAYER
B	BYD	BEYOND

C

C	C	CAMBER
C	CA	COLUMN ABOVE
C	CANT	CANTILEVER
C	CB	COLUMN BELOW
C	CC	CENTER TO CENTER
C	CF	CUBIC FEET
C	CHKD	CHECKERED
C	CIP	CAST-IN-PLACE
C	CJ	CONSTRUCTION JOINT
C	CJP	COMPLETE JOINT PENETRATION
C	CL	CENETERLINE
C	CLG	CEILING
C	CLR	CLEAR
C	CLSM	CONTROL LOW STRENGTH MATERIAL
C	CMU	CONCRETE MASONRY UNIT
C	COL	COLUMN
C	CONC	CONCRETE
C	CONN	CONNECTION
C	CONST	CONSTRUCTION
C	CONT	CONTINUOUS, CONTINUITY
C	CONTR	CONTRACTOR
C	COORD	COORDINATE, COORDINATES
C	CTR	CENTER
C	CTRL JT	CONTROL JOINT
C	CVN	CHARPY V-NOTCH
C	CY	CUBIC YARD
C	CYL	CYLINDER

D

D	DBA	DEFORMED BAR ANCHOR
D	DBL	DOUBLE
D	DBLR	DOUBLER
D	DEG	DEGREE
D	DEGF	DEGREE FAHRENHEIT
D	DEPR	DEPRESS, DEPRESSED, DEPRESSION
D	DET	DETAIL
D	DF-L	DOUGLAS FIR - LARCH
D	DIA	DIAMETER
D	DIAG	DIAGONAL
D	DIAPH	DIAPHRAGM
D	DIM	DIMENSION
D	DL	DEAD LOAD
D	DN	DOWN
D	DO	DITTO
D	DWG	DRAWING
D	DWL	DOWEL

ABBREVIATIONS

E

E	(E)	EXISTING
E	EA	EACH
E	EB	EXPANSION (ANCHOR) BOLT
E	EBF	ECCENTRICALLY BRACED FRAME
E	EF	EACH FACE
E	EFF	EFFECTIVE
E	EJ	EXANSION JOINT
E	EL	ELEVATION
E	ELEC	ELECTRICAL
E	ELEV	ELEVATOR
E	EMBD	EMBEDMENT, EMBED
E	EN	EDGE NAILING
E	ENGR	ENGINEER
E	EOR	ENGINEER OF RECORD
E	EOS	EDGE OF SLAB
E	EPL	EMBEDDED PLATE
E	EQ	EQUAL
E	EQUIP	EQUIPMENT
E	ES	EACH SIDE
E	ESC	ESCALATOR
E	EW	EACH WAY
E	EWTB	EACH WAY TOP AND BOTTOM
E	EXC	EXCAVATE
E	EXP	EXPANSION
E	EXT	EXTERIOR

F

F	F	FAHRENHEIT
F	FAB	FABRICATE, FABRICATION
F	FCAW	FLUX CORED ARC WELDING
F	FDN	FOUNDATION
F	FF	FAR FACE
F	FIN	FINISH
F	FJ	FLOOR JOIST
F	FLG	FLANGE
F	FLR	FLOOR
F	FN	FIELD NAILING
F	FO	FACE OF
F	FOC	FACE OF CONCRETE
F	FOF	FACE OF FINISH
F	FOGB	FACE OF GYPSUM BOARD
F	FOS	FACE OF STUD
F	FOW	FACE OF WALL
F	FP	FIREPROOF, FIREPROOFING
F	FRMG	FRAMING
F	FS	FAR SIDE
F	FT	FOOT, FEET, FLUSH TOP
F	FTG	FOOTING
F	FUT	FUTURE

G

G	GA	GAGE, GAUGE
G	GALV	GALVANIZED
G	GEN	GENERAL
G	GFRC	GLASS FIBER REINFORCED CONCRETE
G	GLB	GLUE-LAMINATED BEAM
G	GMAW	GAS METAL ARC WELDING
G	GOL	GAGE OF ANGLE
G	GR	GRADE
G	GRTG	GRATING
G	HT	GROUND

H

H	HAZ	HEATED AFFECTED ZONE
H	HCA	HEADED CONCRETE ANCHOR
H	HDG	HOT DIPPED GALVANIZED
H	HDR	HEADER
H	HGR	HANGER
H	HORIZ, (H)	HORIZONTAL
H	HP	HIGH POINT
H	HR	HANDRAIL
H	HS	HIGH STRENGTH
H	HSB	HIGH STRENGTH BOLT
H	HT	HEIGHT

I

I	I.F	INSIDE FACE
I	ICC-ES	INTERNATIONAL CODE COUNCIL EVALUATION SERVICE
I	ID	INSIDE DIAMETER
I	IE	INVERT ELEVATION
I	IMF	INTERMEDIATE MOMENT FRAME
I	IN	INCH
I	INFO	INFORMATION
I	INSP	INSPECTION, INSPECTOR
I	INSU	INSULATING
I	INT	INTERIOR
I	INTER	INTERMEDIATE
I	IRMSW	INTERMEDIATE REINFORCED MASONRY SHEAR WALL

J

J	JST	JOIST
J	JT	JOINT

K

K	K	KIP (KILOPOUND)(1000 POUNDS)
K	KSF	KIP PER SQUARE FOOT
K	KSI	KIP PER SQUARE INCH

ABBREVIATIONS

L

L	LAM	LAMINATED
L	LB	LAG BOLT, POUND
L	LG	LONG
L	LL	LIVE LOAD
L	LLBB	LONG LEG BACK TO BACK
L	LLH	LONG LEG HORIZONTAL
L	LLV	LONG LEG VERTICAL
L	LNDG	LANDING
L	LNTL	LINTEL
L	LONGIT	LONGITUDINAL
L	LP	LOW POINT
L	LSH	LONG SLOTTED HOLE
L	LTWT	LIGHTWEIGHT
L	LVL	LAMINATED VENEER LUMBER
L	LWC	LIGHTWEIGHT CONCRETE

M

M	MAX	MAXIMUM
M	MB	MACHINE BOLT
M	MC	MOMENT CONNECTION
M	MECH	MECHANICAL
M	MEMB	MEMBER, MEMBRANE
M	MEZZ	MEZZANINE
M	MFR	MANUFACTURE(R)
M	MIN	MINIMUM
M	MISC	MISCELLANEOUS
M	MOV	MOVABLE
M	MR	MILD REINFORCED, MILD REINFORCING
M	MT	MAGNETIC PARTICLE TESTING
M	MTL	METAL
M	MWFRS	MAIN WIND-FORCE RESISTING SYSTEM

N

N	(N)	NEW
N	NDT	NON-DESTRUCTIVE TESTING
N	NF	NEAR FACE
N	NIC	NOT IN CONTRACT
N	NIP	NOT IN PERMIT
N	NO	NUMBER, NORTH
N	NOM	NOMINAL
N	NS	NEAR SIDE
N	NTS	NOT TO SCALE
N	NWC	NORMAL WEIGHT CONCRETE

O

O	O.F	OUTSIDE FACE
O	O/	OVER
O	OC	ON CENTER
O	OCBF	ORDINARY CONCENTRICALLY BRACED FRAME
O	OD	OUTSIDE DIAMETER
O	OH	OPPOSITE HAND
O	OMF	ORDINARY MOMENT FRAME
O	OPNG	OPENING
O	OPP HD	OPPOSITE HAND
O	ORCSW	ORDINARY REINFORCED CONCRETE SHEAR WALL
O	ORMSW	ORDINARY REINFORCED MASONRY SHEAR WALL
O	OSB	ORIENTED STRAND BOARD
O	OVS	OVERSIZED
O	OZ	OUNCE

P

P	P/C	PRECAST
P	PAF	POWDER ACTUATED FASTENER
P	PAR	PARALLEL
P	PC	PIECE, PILECAP
P	PCF	POUNDS PER CUBIC FOOT
P	PERP	PERPENDICULAR
P	PJ	POUR JOINT
P	PJP	PARTIAL JOINT PENETRATION
P	PL	PLATE
P	PLATF	PLATFORM
P	PLCS	PLACES
P	PLF	POUNDS PER LINEAR FOOT
P	PLMB	PLUMBING
P	PLWD	PLYWOOD
P	POT	POINT OF TANGENCY
P	PQR	PROCEDURE QUALIFICATION RECORD
P	PREFAB	PREFABRICATED
P	PRKG	PARKING
P	PROJ	PROJECTION
P	PS	PRESTRESS(ED)
P	PSF	POUNDS PER SQUARE FOOT
P	PSI	POUNDS PER SQUARE INCH
P	PSL	PARALLEL STRAND LUMBER
P	PT	POST-TENSION(ED), LIQUID PENETRANT TESTING
P	PTDF	PRESSURE TREATED DOUGLAS FIR
P	PWJ	PLYWOOD WEB JOIST

R

R	PAF	POWER ACTUATED FASTENER
R	R	RADIUS, RISER
R	RAD	RADIANS
R	RBS	REDUCED BEAM SECTION
R	REF	REFERENCE
R	REINF	REINFORCING
R	REMV	REMOVABLE, REMOVE
R	REQD	REQUIRED
R	RET	RETURN
R	RF	ROOF
R	RJ	ROOF JOIST
R	ROTN	ROTATION
R	RT	RADIOGRAPHIC TESTING
R	RTNG	RETAINING
R	RTNS	RETURNS

ABBREVIATIONS

S

S	SA	SCREW ANCHOR
S	SAD	SEE ARCHITECTURAL DRAWING(S)
S	SAW	SUBMERDGED ARC WELDING
S	SCBF	SPECIAL CONCENTRICALLY BRACED FRAME
S	SCHED	SCHEDULE
S	SCL	STRUCTURAL COMPOSITE LUMBER
S	SECT	SECTION
S	SEOR	STRUCTURAL ENGINEER OF RECORD
S	SEP	SEPARATION
S	SF	SQUARE FEET
S	SHT	SHEET
S	SHTHG	SHEATHING
S	SIM	SIMILAR
S	SL	SLOPE
S	SLBB	SHORT LEG BACK TO BACK
S	SLRS	SEISMIC LOAD RESISTING SYSTEM
S	SLV	SLEEVE
S	SMAW	SHIELDED METAL ARC WELDING
S	SMF	SPECIAL MOMENT FRAME
S	SMS	SHEET METAL SCREW
S	SO	SOUTH
S	SOF	SOFFIT
S	SOG	SLAB-ON-GRADE
S	SOMD	SLAB ON METAL DECK
S	SPEC	SPECIFICATIONS, SPECIAL
S	SPSW	SPECIAL PLATE SHEAR WALL
S	SQ	SQUARE
S	SRCSW	SPECIAL REINFORCED CONCRETE SHEAR WALL
S	SRMSW	SPECIAL REINFORCED MASONRY SHEAR WALL
S	SS	STAINLESS STEEL
S	SSH	SHORT SLOTTED HOLE
S	STA	STATION
S	STAG	STAGGER
S	STD	STANDARD
S	STIF	STIFFENER
S	STIR	STIRRUP
S	STL	STEEL
S	STMF	SPECIAL TRUSS MOMENT FRAME
S	STRUCT	STRUCTURAL
S	SW	STUD WELDING
S	SWBC	SHEAR WALL BOUNDARY COLUMN
S	SYMM	SYMMETRY

T

T	T	TREAD, TOP
T	T&B	TOP AND BOTTOM
T	T.O	TOP OF
T	T/	TOP OF
T	TAR	TYPICAL ALL AROUND
T	TC	TOP CHORD
T	TEMP	TEMPORARY, TEMPERATURE
T	THD	THREAD
T	THK	THICK, THICKNESS
T	THRU	THROUGH
T	TLL	TOP LOWER LAYER
T	TOBS	TOP OF BUILT-UP SLAB
T	TOC	TOP OF CONCRETE
T	TOD	TOP OF STEEL DECK
T	TOF	TOP OF FOOTING
T	TOG	TOP OF GRATING
T	TOPC	TOP OF PILE CAP
T	TOS	TOP OF STEEL
T	TOW	TOP OF WALL
T	TUL	TOP UPPER LAYER
T	TYP	TYPICAL

U

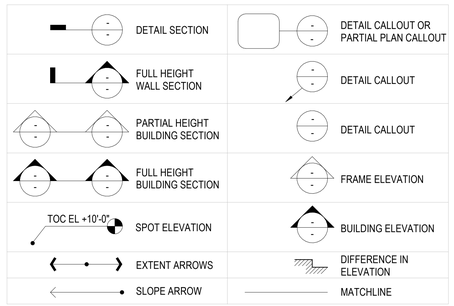
U	UNO	UNLESS NOTED OTHERWISE
U	UT	ULTRASONIC TESTING

V

V	VERT, (V)	VERTICAL
V	VIF	VERIFY IN FIELD

W

W	W/	WITH
W	W/O	WITHOUT
W	WD	WOOD
W	WL	WORK LINE
W	WP	WORK POINT
W	WPS	WELD PROCEDURE SPECIFICATIONS
W	WSP	WOOD STRUCTURAL PANEL
W	WT	WEIGHT
W	WWR	WELDED WIRE REINFORCEMENT



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PLEASE RECYCLE

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DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ABBREVIATIONS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

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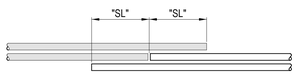
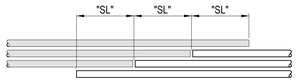


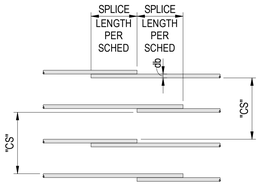
2 BAR BUNDLE SPLICE DETAIL



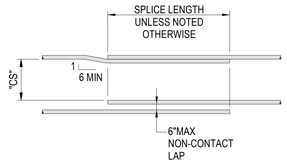
3 BAR BUNDLE SPLICE DETAIL

NOTES:
1. BARS SHALL BE BUNDLED WITH NO MORE THAN 2 BARS IN SAME PLANE
2. "SL" INDICATES SPLICE LENGTH AT BUNDLED BARS. SEE REINFORCING SPLICE NOTE 5.

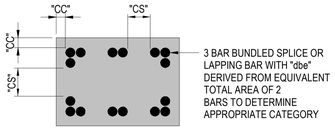
TYPICAL BUNDLED LAP SPLICES



TYPICAL STAGGERED LAP SPLICING DETAIL



TYPICAL LAP SPLICE DETAIL



TYPICAL BAR CONCRETE COVER & CLEAR SPACING DIAGRAM

REINFORCING SPLICE NOTES:

1. SCHEDULED SPLICE LENGTHS ARE IN ACCORDANCE WITH ACI 318-14 AND APPLY TO REBAR Fy=60 KSI. LENGTHS ARE FROM CHAPTER 25 (NON-SEISMIC ELEMENTS) AND CHAPTER 18 (SEISMIC ELEMENTS).

2.

CATEGORY	DESCRIPTION
1	2db ≤ CC AND 4db ≤ CS
2	[db ≤ CC < 2db & 2db ≤ CS] OR [db ≤ CC & 2db ≤ CS < 4db]
3	1/2db ≤ CC < db OR db ≤ CS < 2db
CC INDICATES CONCRETE COVER, CS INDICATES BAR CLEAR SPACING.	

3. IF CC < 1/2db OR CS < db CONTACT SEOR FOR REQUIRED SPLICE LENGTH.
4. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE POURED BELOW BARS.
5. FOR BUNDLED BARS, AN EFFECTIVE BAR DIAMETER (dbe) SHALL BE USED FOR DETERMINING COVER AND SPACING LIMITATIONS:
   a. FOR 2 BAR BUNDLE dbe = 1.414db
   b. FOR 3 BAR BUNDLE dbe = 1.732db
   c. FOR 4 BAR BUNDLE dbe = 2.000db
6. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED, LAP SPLICE LENGTH SHALL BE THE LARGER OF Ld (STRAIGHT BAR DEVELOPMENT) FOR LARGER BAR AND LAP SPLICE LENGTH OF SMALLER BAR.
7. SPLICES LENGTHS MAY BE REDUCED 23% IF SPECIFICALLY NOTED ON STRUCT DRAWINGS AS CLASS "A" SPLICE.
8. APPLY THE FOLLOWING MULTIPLIERS TO SCHEDULED SPLICE LENGTHS FOR EACH INSTANCE BELOW WHICH APPLIES:
   a. FOR REBAR YIELD STRENGTHS OTHER THAN 60 KSI, MULTIPLY SPLICE LENGTHS IN SCHEDULE BY RATIO OF ACTUAL YIELD STRENGTH / 60,000.
   b. SPLICE LENGTH OF LONGITUDINAL BARS IN THE "SPECIAL SPLICE ZONE" AS INDICATED ON SHEAR WALL ELEVATIONS SHALL BE MULTIPLIED BY 1.25 THAT INDICATED IN THE SCHEDULE.
   c. FOR 3-BAR BUNDLES, MULTIPLY SPLICE LENGTHS IN SCHEDULE BY 1.20. FOR 4-BAR BUNDLES, MULTIPY SPLICE LENGTHS IN SCHEDULE BY 1.33. ENTIRE BUNDLE SHALL NOT BE LAP SPLICED.
   d. FOR LIGHTWEIGHT CONCRETE, MULTIPLY SPLICE LENGTHS IN SCHEDULE BY 1.33.
   e. FOR EPOXY COATED BARS WITH CC < 3db OR CS < 6db, MULTIPLY SPLICE LENGTHS IN SCHEDULE BY 1.50. FOR OTHER EPOXY COATED BARS, MULTIPLY SPLICE LENGTHS IN SCHEDULE BY 1.20.
   f. FOR CONCRETE STRENGTH IN BETWEEN STRENGTHS INDICATED IN THE SCHEDULE. USE DEVELOPMENT LENGTH FOR THE LOWER CONCRETE STRENGTH.

SPLICE LENGTH SCHEDULE IN INCHES
(APPLICABLE TO REBAR W/ 60 KSI YIELD STRENGTH)

NORMAL WEIGHT CONCRETE (f'c PSI)		3000 PSI						4000 PSI						5000 PSI					
CATEGORY		1		2		3		1		2		3		1		2		3	
BAR SIZE	BAR DIAMETER (db)	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS
#4	0.500	23	18	38	29	56	43	20	15	33	25	49	37	18	14	29	23	44	34
#5	0.625	28	22	47	36	70	54	25	19	41	31	61	47	22	17	36	28	54	42
#6	0.750	34	26	56	43	84	65	29	23	49	37	73	56	26	20	44	34	65	50
#7	0.875	49	38	81	63	122	94	43	33	71	54	106	81	38	29	63	49	95	73
#8	1.000	56	43	93	72	139	107	49	37	81	62	121	93	44	34	72	56	108	83
#9	1.128	63	49	105	81	157	121	55	42	91	70	136	105	49	38	81	63	122	94
#10	1.270	71	55	118	91	177	136	62	47	102	79	153	118	55	43	92	71	137	106
#11	1.410	79	61	131	101	196	151	68	53	114	87	170	131	61	47	102	78	152	117

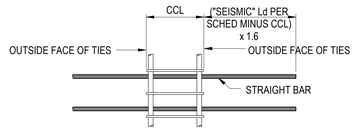
SPLICE LENGTH SCHEDULE IN INCHES
(APPLICABLE TO REBAR W/ 60 KSI YIELD STRENGTH)

NORMAL WEIGHT CONCRETE (f'c PSI)		6000 PSI					
CATEGORY		1		2		3	
BAR SIZE	BAR DIAMETER (db)	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS
#4	0.500	16	13	27	21	40	31
#5	0.625	20	16	33	26	50	38
#6	0.750	24	19	40	31	59	46
#7	0.875	35	27	58	45	86	67
#8	1.000	40	31	66	51	99	76
#9	1.128	45	35	74	57	111	86
#10	1.270	50	39	84	64	125	96
#11	1.410	56	43	93	71	139	107

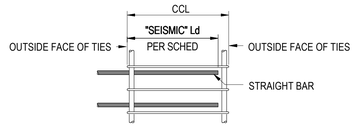
TYPICAL REINFORCING SPLICE LENGTH SCHEDULE — **2**

SCALE: NTS

CONC-GENL-0003(REV-1)(REV-2)(REV-3)(REV-A)



CONDITION WHERE "SEISMIC" Ld IS GREATER THAN CONFINED CORE LENGTH CCL



CONDITION WHERE "SEISMIC" Ld FITS WITHIN CONFINED CORE

NOTE:
"CCL" INDICATES CONFINED CORE LENGTH OF SPECIAL MOMENT FRAME COLUMNS.

STRAIGHT "SEISMIC" DEVELOPMENT Ld AT CONFINED CORES OF SPECIAL MOMENT FRAME COLUMNS

STRAIGHT DEVELOPMENT LENGTH SCHEDULE (Ld) IN INCHES
(APPLICABLE TO REBAR W/ 60 KSI YIELD STRENGTH)

NORMAL WEIGHT CONCRETE (f'c PSI)		3000 PSI								4000 PSI								5000 PSI							
CATEGORY		1		2		3		SEISMIC (SEE NOTE 6)		1		2		3		SEISMIC (SEE NOTE 6)		1		2		3		SEISMIC (SEE NOTE 6)	
BAR SIZE	BAR DIAMETER (db)	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS
#4	0.500	18	14	29	22	43	33	28	22	15	12	25	19	37	29	24	19	14	12	23	17	34	26	22	17
#5	0.625	22	17	36	28	54	42	35	27	19	15	31	24	47	36	30	23	17	13	28	22	42	32	27	21
#6	0.750	26	20	43	33	65	50	42	32	23	18	37	29	56	43	36	28	20	16	34	26	50	39	32	25
#7	0.875	38	29	63	48	94	72	48	37	33	25	54	42	81	63	42	32	29	23	49	38	73	56	38	29
#8	1.000	43	33	72	55	107	83	55	43	37	29	62	48	93	72	48	37	34	26	56	43	83	64	43	33
#9	1.128	49	38	81	62	121	93	62	48	42	33	70	54	105	81	54	42	38	29	63	48	94	72	48	37
#10	1.270	55	42	91	70	136	105	70	54	47	37	79	61	118	91	61	47	43	33	71	54	106	81	54	42
#11	1.410	61	47	101	78	151	116	78	60	53	41	87	67	131	101	67	52	47	36	78	60	117	90	60	47
#14	1.693	73	56	121	93	181	140	-	-	63	49	105	81	157	121	-	-	57	44	94	72	141	108	-	-
#18	2.257	97	75	161	124	242	186	-	-	84	65	140	108	209	161	-	-	75	58	125	96	187	144	-	-

STRAIGHT DEVELOPMENT LENGTH SCHEDULE (Ld) IN INCHES
(APPLICABLE TO REBAR W/ 60 KSI YIELD STRENGTH)

NORMAL WEIGHT CONCRETE (f'c PSI)		6000 PSI								7000 PSI								8000 PSI							
CATEGORY		1		2		3		SEISMIC (SEE NOTE 6)		1		2		3		SEISMIC (SEE NOTE 6)		1		2		3		SEISMIC (SEE NOTE 6)	
BAR SIZE	BAR DIAMETER (db)	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS	TOP	OTHERS
#4	0.500	13	12	21	16	31	24	20	15	12	12	19	15	28	22	20	15	12	12	18	14	27	21	20	15
#5	0.625	16	12	26	20	38	30	25	19	14	12	24	18	35	27	23	18	14	12	22	17	33	26	21	17
#6	0.750	19	14	31	24	46	35	30	23	17	13	28	22	42	33	27	21	16	13	27	21	40	31	26	20
#7	0.875	27	21	45	34	67	51	34	27	25	19	41	32	62	48	32	25	23	18	39	30	58	45	30	23
#8	1.000	31	24	51	39	76	59	39	30	28	22	47	36	70	54	36	28	27	21	44	34	66	51	34	26
#9	1.128	35	27	57	44	86	66	44	34	32	25	53	41	79	61	41	32	30	23	50	38	74	57	38	30
#10	1.270	39	30	64	50	96	74	50	38	36	28	60	46	89	69	46	36	34	26	56	43	84	64	43	33
#11	1.410	43	33	71	55	107	82	55	43	40	31	66	51	99	76	51	39	37	29	62	48	93	71	48	37
#14	1.693	52	40	86	66	128	99	-	-	48	37	79	61	119	92	-	-	45	35	74	57	111	86	-	-
#18	2.257	69	53	114	88	171	132	-	-	64	49	106	81	158	122	-	-	60	46	99	76	148	114	-	-

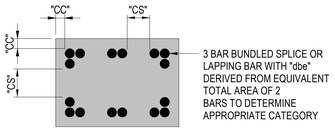
HOOKED DEVELOPMENT LENGTH SCHEDULE (Ldh) IN INCHES
(APPLICABLE TO REBAR W/ 60 KSI YIELD STRENGTH)

NORMALWEIGHT CONCRETE (f'c PSI)		3000 PSI		4000 PSI		5000 PSI		6000 PSI	
BAR SIZE	BAR DIAMETER (db)	STANDARD	SEISMIC (SEE NOTE 7)	STANDARD	SEISMIC (SEE NOTE 7)	STANDARD	SEISMIC (SEE NOTE 7)	STANDARD	SEISMIC (SEE NOTE 7)
#4	0.500	8	9	7	8	6	6	6	6
#5	0.625	10	11	9	10	8	9	7	8
#6	0.750	12	13	10	11	9	10	9	9
#7	0.875	14	15	12	13	11	12	10	11
#8	1.000	16	17	14	15	12	14	11	12
#9	1.128	18	20	15	17	14	15	13	14
#10	1.270	20	22	17	19	16	17	14	16
#11	1.410	22	24	19	21	17	19	16	17
#14	1.693	38	-	33	-	29	-	27	-
#18	2.257	50	-	43	-	39	-	35	-

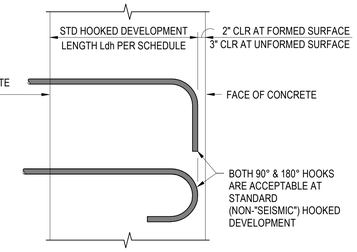
TYPICAL REINFORCING STRAIGHT AND HOOKED DEVELOPMENT LENGTH SCHEDULE — **1**

SCALE: NTS

CONC-GENL-0001(REV-1)(REV-2)(REV-3)(REV-A)



"SEISMIC" HOOKED DEVELOPMENT



STANDARD (NON-"SEISMIC") HOOKED DEVELOPMENT

NOTES:

A. ALL HOOKED BARS SHALL EXTEND TO THE FAR FACE OF CONCRETE, AS MUCH AS PRACTICAL, WITH 2" MINIMUM END COVER AND WITH DEVELOPMENT NOT LESS THAN LENGTHS INDICATED IN SCHEDULE INCLUDING APPROPRIATE MULTIPLIERS.

B. PROVIDE 2 1/2" MINIMUM CONCRETE SIDE COVER.

C. "SEISMIC" HOOKED DEVELOPMENT LENGTH Ldh IN SCHEDULE INCLUDING APPROPRIATE MULTIPLIERS APPLY TO BARS W/ STD 90° HOOKS LOCATED WITHIN A CONFINED CORE OF SPECIAL MOMENT FRAME COLUMNS. 180° HOOKS ARE NOT PERMITTED FOR "SEISMIC" HOOKED DEVELOPMENT.

HOOKED DEVELOPMENT Ldh

TYPICAL BAR CONCRETE COVER & CLEAR SPACING DIAGRAM

REINFORCING DEVELOPMENT NOTES:

1. SCHEDULED DEVELOPMENT LENGTHS ARE IN ACCORDANCE WITH ACI 318-14 AND APPLY TO REBAR Fy=60 KSI. LENGTHS ARE FROM CHAPTER 25 (NON-SEISMIC ELEMENTS) AND CHAPTER 18 (SEISMIC ELEMENTS).

2.

CATEGORY	DESCRIPTION
1	2db ≤ CC AND 4db ≤ CS
2	[db ≤ CC < 2db & 2db ≤ CS] OR [db ≤ CC & 2db ≤ CS < 4db]
3	1/2db ≤ CC < db OR db ≤ CS < 2db
SEISMIC	SEE NOTES 6 & 7
CC INDICATES CONCRETE COVER, CS INDICATES BAR CLEAR SPACING.	

3. IF CC < 1/2db OR CS < db CONTACT SEOR FOR REQUIRED DEVELOPMENT LENGTH.
4. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE POURED BELOW BARS.
5. FOR BUNDLED BARS, AN EFFECTIVE BAR DIAMETER (dbe) SHALL BE USED FOR DETERMINING COVER AND SPACING LIMITATIONS:
   a. FOR 2 BAR BUNDLE dbe = 1.414db
   b. FOR 3 BAR BUNDLE dbe = 1.732db
   c. FOR 4 BAR BUNDLE dbe = 2.000db
6. "SEISMIC" STRAIGHT DEVELOPMENT LENGTH Ld IN SCHEDULE APPLIES TO STRAIGHT BARS TERMINATING IN OR PASSING THROUGH CONFINED CORES OF SPECIAL MOMENT FRAME COLUMNS.
7. "SEISMIC" HOOKED DEVELOPMENT LENGTH Ldh IN SCHEDULE APPLIES TO BARS W/ STD 90° HOOKS LOCATED WITHIN A CONFINED CORE OF SPECIAL MOMENT FRAME COLUMNS.
8. APPLY THE FOLLOWING MULTIPLIERS TO SCHEDULED DEVELOPMENT LENGTHS FOR EACH INSTANCE BELOW WHICH APPLIES:
   a. FOR REBAR YIELD STRENGTHS OTHER THAN 60 KSI, MULTIPLY DEVELOPMENT LENGTHS Ld & Ldh IN SCHEDULE BY RATIO OF ACTUAL YIELD STRENGTH / 60,000.
   b. DEVELOP LENGTH OF LONGITUDINAL BARS IN THE "SPECIAL SPLICE ZONE" AS INDICATED ON SHEAR WALL ELEVATIONS SHALL BE MULTIPLIED BY 1.25 THAT INDICATED IN THE SCHEDULE.
   c. FOR 3-BAR BUNDLES, MULTIPLY DEVELOPMENT LENGTHS Ld & Ldh IN SCHEDULE BY 1.20. FOR 4-BAR BUNDLES, MULTIPY DEVELOPMENT LENGTHS Ld & Ldh IN SCHEDULE BY 1.33.
   d. FOR LIGHTWEIGHT CONCRETE, MULTIPLY STRAIGHT DEVELOPMENT LENGTH Ld IN SCHEDULE BY 1.33. FOR LIGHTWEIGHT CONCRETE, MULTIPLY HOOKED DEVELOPMENT LENGTH Ldh IN SCHEDULE BY 1.33 (1.25 FOR "SEISMIC" CONDITIONS AS DEFINED IN NOTE 7).
   e. FOR EPOXY COATED BARS WITH CC < 3db OR CS < 6db, MULTIPLY STRAIGHT DEVELOPMENT LENGTH Ld IN SCHEDULE BY 1.50. FOR STRAIGHT DEVELOPMENT FOR OTHER EPOXY COATED BARS, MULTIPLY STRAIGHT DEVELOPMENT LENGTH Ld IN SCHEDULE BY 1.20. FOR EPOXY COATED BARS, MULTIPLY HOOKED DEVELOPMENT LENGTH Ldh IN SCHEDULE BY 1.20.
   f. DEVELOP ALL DIAGONAL COUPLING BEAM REBARS BY MULTIPLYING DEVELOPMENT LENGTHS Ld AND Ldh IN SCHEDULE BY 1.25.
   g. FOR CONCRETE STRENGTH IN BETWEEN STRENGTHS INDICATED IN THE SCHEDULE. USE DEVELOPMENT LENGTH FOR THE LOWER CONCRETE STRENGTH.

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DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4063 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

TYPICAL REINFORCING STEEL DETAILS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

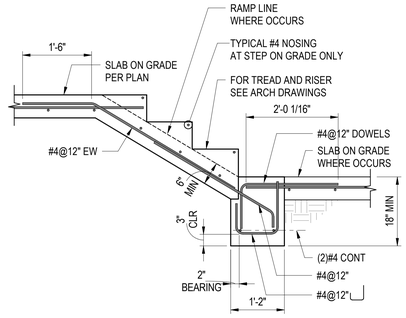
SHEET:

S0.11

8/5/2021 6:26:17 AM

PLEASE RECYCLE

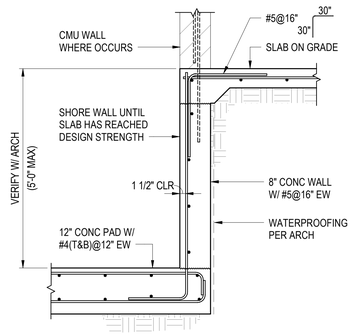
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLANS. IF NOT, PLANS ARE NOT ORIGINAL SIZE



TYPICAL CONCRETE STEPS OR RAMP ON GRADE DETAIL 7

SCALE: NTS

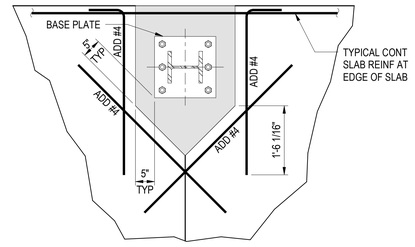
CONC-SOGD-0004



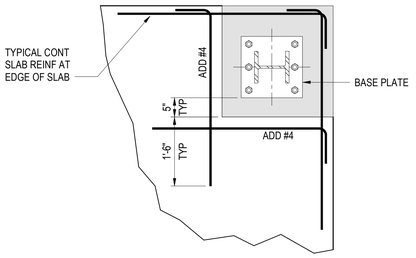
TYPICAL ELEVATOR PIT DETAIL 6

SCALE: NTS

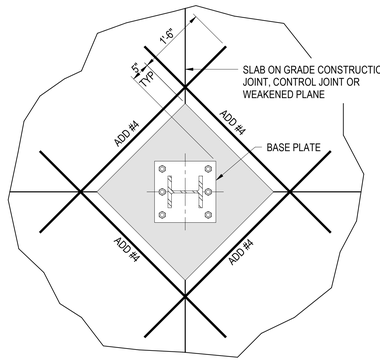
CONC-ELEV-0001(REV-1)



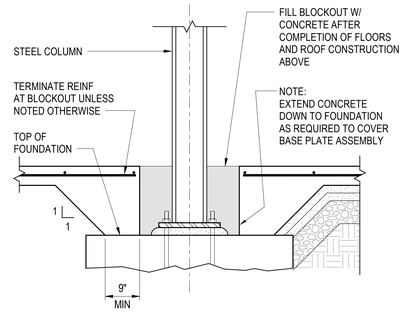
PLAN AT EDGE



PLAN AT CORNER



PLAN AT INTERIOR

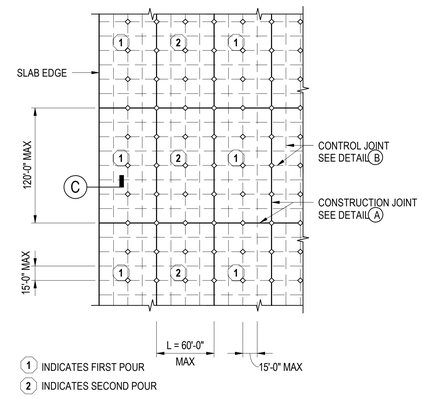


TYPICAL ELEVATION

TYPICAL BLOCKOUTS IN CONCRETE SLAB ON GRADE AT STEEL COLUMNS 3

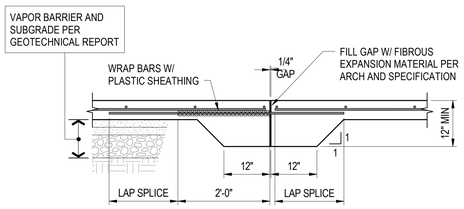
SCALE: NTS

CONC-SOGD-0003



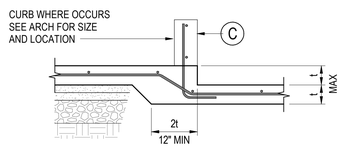
NOTES:
1. LOCATE CONSTRUCTION JOINTS ON CL OF COLUMNS AND UNDER PARTITIONS AS PRACTICAL AS POSSIBLE.
2. PROVIDE CONTROL JOINTS AT CL OF COLUMNS IF NO CONSTRUCTION JOINTS OCCUR.
3. CONTRACTOR TO SUBMIT A JOINTING PLAN TO ARCHITECT FOR REVIEW.

SLAB POUR METHOD LAYOUT F

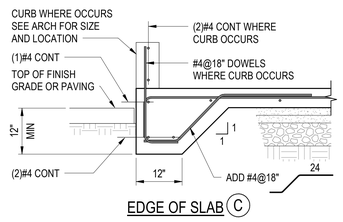


EXPANSION JOINT E

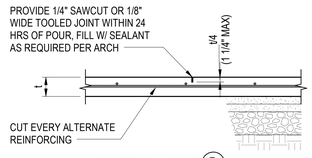
(EXPANSION JOINTS APPLY ONLY WHERE INDICATED ON STRUCT DWGS)



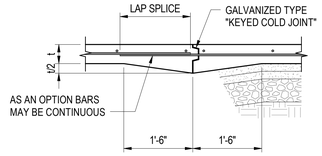
SLAB DEPRESSION D



EDGE OF SLAB C



CONTROL JOINT B

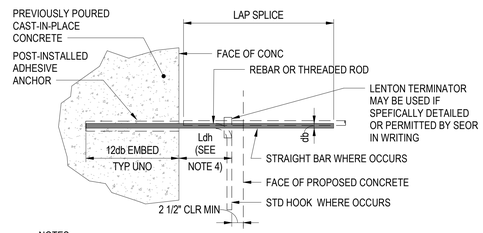


POUR / CONSTRUCTION JOINT A

TYPICAL CONCRETE SLAB ON GRADE DETAILS 5

SCALE: NTS

CONC-SOGD-0001(REV-A)

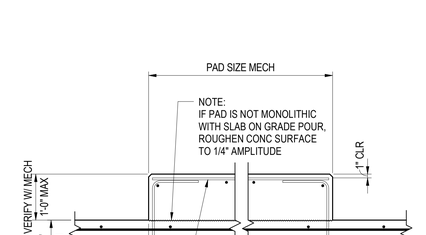


NOTES:
1. USE OF POST-INSTALLED ADHESIVE ANCHORS IS PERMITTED ONLY WHERE SPECIFICALLY DETAILED ON STRUCT DWGS OR AS DIRECTED IN WRITING BY SEOR.
2. POST-INSTALLED ADHESIVE ANCHORS SHALL COMPLY WITH "POST-INSTALLED ANCHORS" SECTION OF GENERAL NOTES. ADHESIVE ANCHORS OF TYPE SPECIFIED IN "ANCHORS INSTALLED IN NORMAL WEIGHT OR LIGHTWEIGHT CAST-IN-PLACE CONCRETE" SECTION IS ACCEPTABLE FOR USE UNO.
3. METHODS OF INSTALLATION SHALL MEET REQUIREMENTS OF "POST-INSTALLED ANCHORS" SECTION OF GENERAL NOTES.
4. Ldh HOOKED DEVELOPMENT TO COMPLY W/ (1 / S0.11) .

TYPICAL DOWEL AND EPOXY IN CONCRETE DETAIL 4

SCALE: NTS

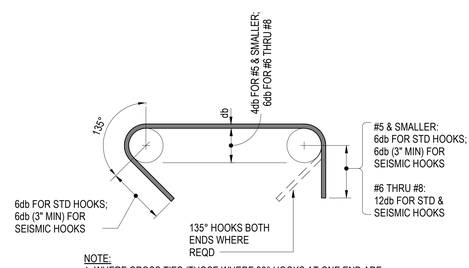
CONC-EXIS-0002(REV-A)



TYPICAL MECHANICAL PAD AT SLAB ON GRADE DETAIL 2

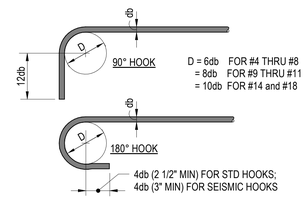
SCALE: NTS

CONC-SOGD-0005



NOTE:
1. WHERE CROSS TIES (THOSE WHERE 90° HOOKS AT ONE END ARE PERMITTED) ENGAGE SAME LONGITUDINAL BAR, CONSECUTIVE CROSS TIES SHALL HAVE THEIR 90° HOOKS ALTERNATING END FOR END ALONG LONGITUDINAL BAR.

HOOKS FOR TIES, STIRRUPS AND HOOPS



HOOKS FOR BARS OTHER THAN TIES, STIRRUPS AND HOOPS

TYPICAL REINFORCING STEEL STANDARD AND SEISMIC HOOK DETAILS 1

SCALE: NTS

CONC-GENL-0002(REV-A)

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KEYNOTES

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EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

TYPICAL CONCRETE DETAILS

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

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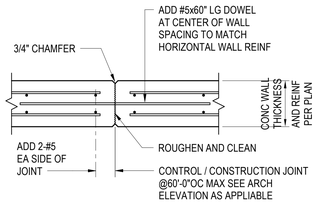
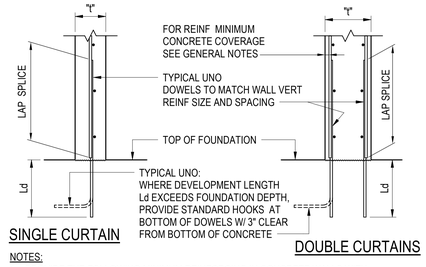


TYPICAL CONTROL / CONSTRUCTION JOINT IN CONCRETE RETAINING WALL **6**

SCALE: NTS

CONC-WALL-0005



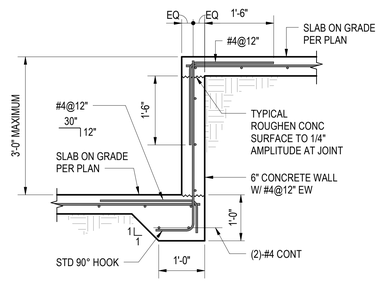
NOTES:

1. PROVIDE THE FOLLOWING MINIMUM REINFORCING IN CONCRETE WALLS WITH THICKNESS ("t") EQUAL OR LESS THAN THE THICKNESS INDICATED UNLESS NOTED OTHERWISE:
   - A. "t" ≤ 6"..... PROVIDE #4@12" EW (SINGLE CURTAIN)
   - B. 6" < "t" < 8"..... PROVIDE #5@16" EW (SINGLE CURTAIN)
   - C. 8" < "t" ≤ 10"..... PROVIDE #5@12" EW (SINGLE CURTAIN)
   - D. 10" < "t" ≤ 12"..... PROVIDE #4@16" EW, EF (DOUBLE CURTAINS)

TYPICAL CONCRETE WALL REINFORCING SCHEDULE AND DETAILS **3**

SCALE: NTS

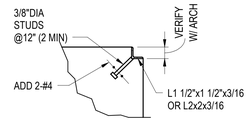
CONC-WALL-0001(REV-1)(REV-A)



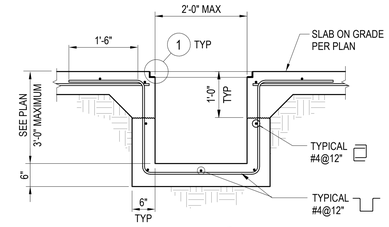
TYPICAL 3'-0" HIGH MAXIMUM RETAINING CONCRETE WALL DETAIL **5**

SCALE: NTS

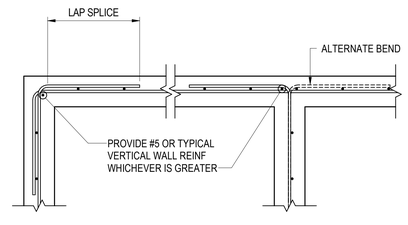
CONC-WALL-0004



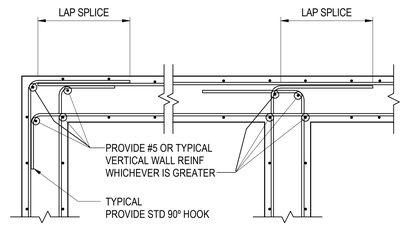
DETAIL (1)



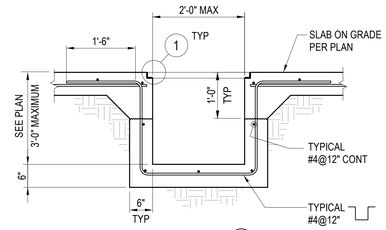
SUMP PIT (B)



SINGLE CURTAIN



DOUBLE CURTAINS



TRENCH DRAIN (A)

NOTES:
1. VERIFY ALL DIMENSIONS WITH THE ARCHITECT.
2. SEE GEOTECHNICAL REPORT FOR SUB-SURFACE PREPARATION.

TYPICAL CONCRETE WALL REINFORCING AT INTERSECTION DETAILS **4**

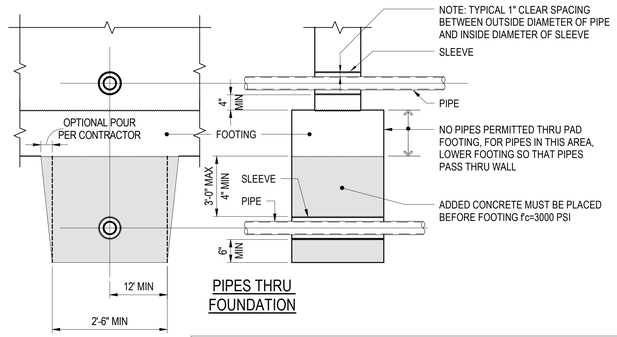
SCALE: NTS

CONC-WALL-0002(REV-1)(REV-A)

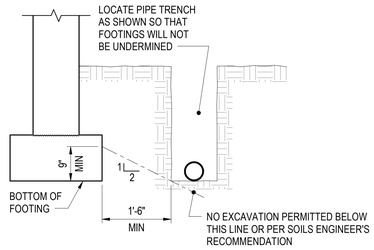
TYPICAL TRENCH DRAIN AND SUMP PIT DETAILS **2**

SCALE: NTS

CONC-DRAN-0002 (REV-1)



PIPES THRU FOUNDATION



PIPE AND TRENCH ADJACENT TO FOUNDATION

NOTE:
IF DEPTH OF PIPE TRENCH FALLS BELOW 1:2 SLOPE THEN CONCRETE FOOTING MUST BE STEPPED DOWN AT CONTRACTOR EXPENSE.

TYPICAL PIPES THRU OR TRENCHES ADJACENT TO FOUNDATION **1**

SCALE: NTS

CONC-DRAN-0001

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S0.13

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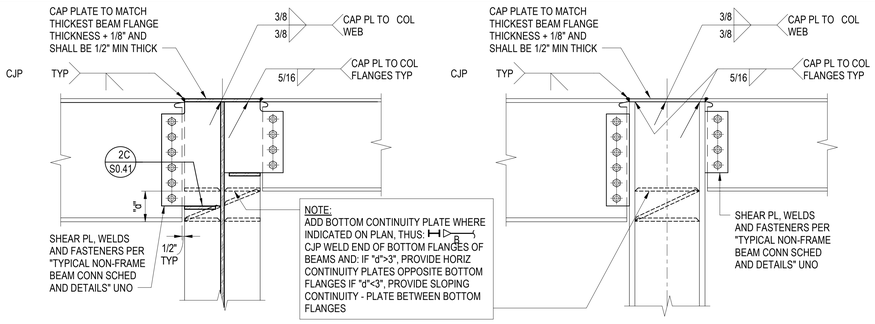
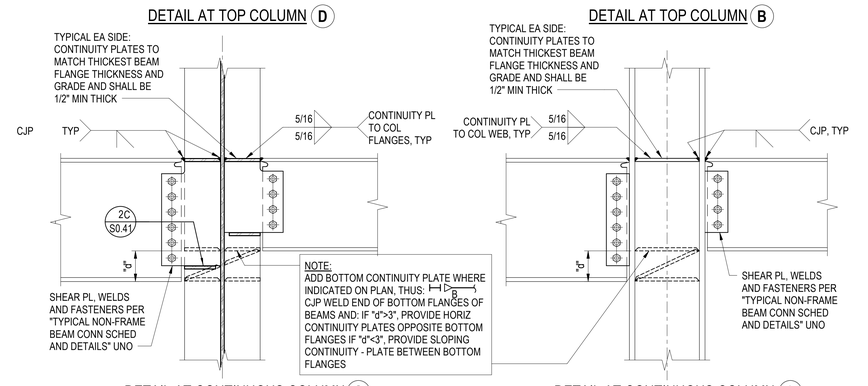


DETAIL AT TOP COLUMN (D)

DETAIL AT TOP COLUMN (B)



DETAIL AT CONTINUOUS COLUMN (C)

DETAIL AT CONTINUOUS COLUMN (A)

BEAM TO COLUMN WEB, INDICATED THUS ON PLAN:

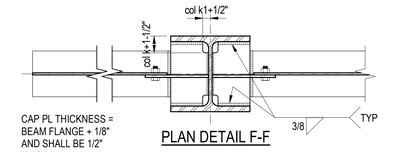
BEAM TO COLUMN FLANGE, INDICATED THUS ON PLAN:

NOTE: FOR DRAG BEAM CONNECTION AT FRAME COLUMN, SEE TYPICAL FRAME BEAM TO COLUMN CONNECTION DETAILS

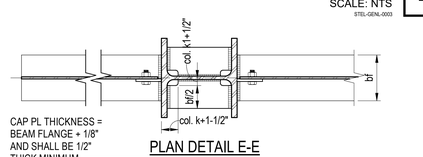
TYPICAL DRAG BEAM CONNECTION DETAILS 4

SCALE: NTS

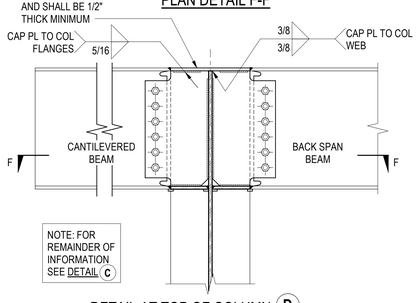
STEL-GENL-0003



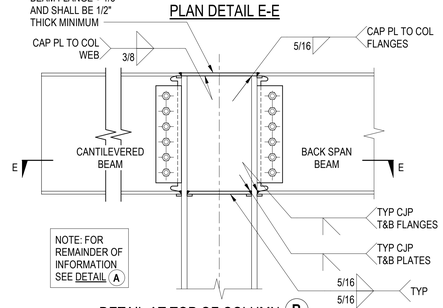
PLAN DETAIL F-F



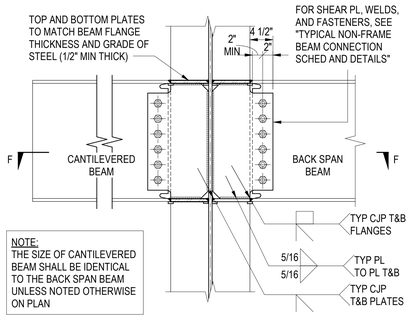
PLAN DETAIL E-E



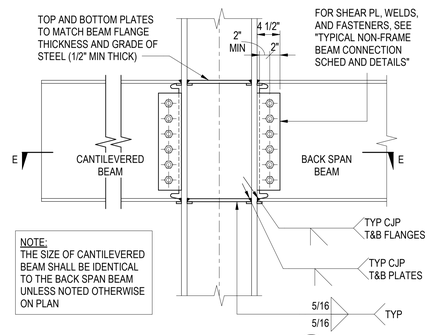
DETAIL AT TOP OF COLUMN (D)



DETAIL AT TOP OF COLUMN (B)



DETAIL AT CONTINUOUS COLUMN (C)



DETAIL AT CONTINUOUS COLUMN (A)

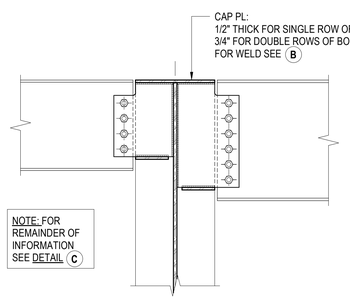
BEAM TO COLUMN WEB, INDICATED THUS ON PLAN:

BEAM TO COLUMN FLANGE, INDICATED THUS ON PLAN:

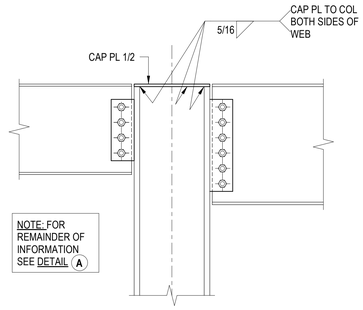
TYPICAL NON-FRAME BEAM MOMENT CONNECTIONS 3

SCALE: NTS

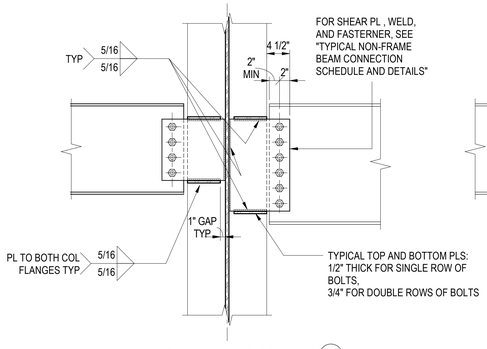
STEL-WBEM-0003



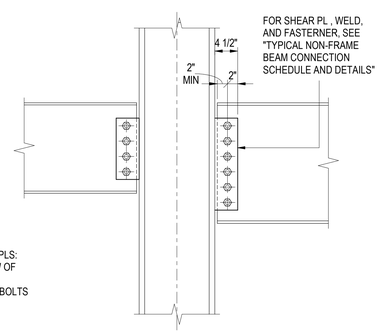
DETAIL AT TOP OF COLUMN (D)



DETAIL AT TOP OF COLUMN (B)



DETAIL AT CONTINUOUS COLUMN (C)



DETAIL AT CONTINUOUS COLUMN (A)

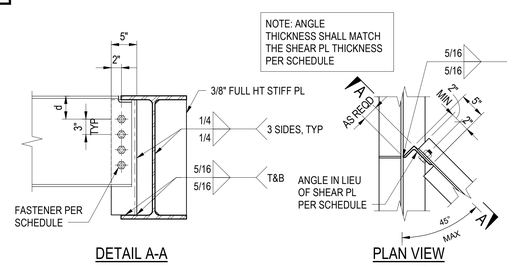
BEAM TO COLUMN WEB, INDICATED THUS ON PLAN:

BEAM TO COLUMN FLANGE, INDICATED THUS ON PLAN:

TYPICAL NON-FRAME BEAM TO COLUMN CONNECTIONS 2

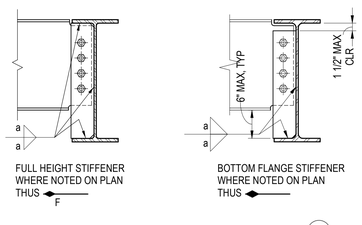
SCALE: NTS

STEL-WBEM-0002



DETAIL A-A

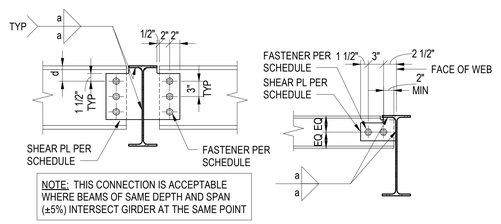
PLAN VIEW



TYPICAL SKEWED BEAM CONNECTION (F)

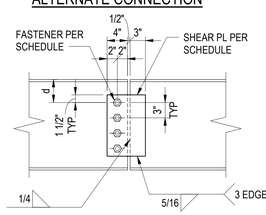
TYPICAL BEAM STIFFENER SHEAR PLATE DETAILS (E)

NOTES:
1. MINIMUM WIDTH OF STIFFENER SHALL EXTEND TO THE EDGE OF BEAM FLANGE
2. FOR REMAINDER OF INFORMATION, SEE TYPICAL BEAM CONNECTION DETAIL A



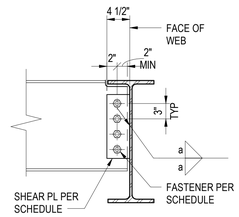
BEAM CONNECTION SCHEDULE				
BEAM SIZE	SHEAR PLATE			
	THICKNESS (IN)	WELD "a"	FASTENER (A325-N HSB)	DISTANCE "d"
W6x, C6x	3/8	1/4	(2)3/4"DIA	-
W8x, C8x	3/8	1/4	(2)3/4"DIA	2 1/2"
W10x, C10x	3/8	1/4	(2)3/4"DIA	3 1/2"
W12x, C12x MC12x	3/8	5/16	(3)7/8"DIA	3"
W14x	3/8	5/16	(3)7/8"DIA	4"
W16x	3/8	5/16	(4)7/8"DIA	3 1/2"
W18x	3/8	5/16	(4)7/8"DIA	4 1/2"
W21x	3/8	5/16	(5)7/8"DIA	4 1/2"
W24x	3/8	5/16	(6)7/8"DIA	4 1/2"
W27x	1/2	5/16	(7)7/8"DIA	4 1/2"
W30x	1/2	5/16	(8)7/8"DIA	4 1/2"
W33x	1/2	5/16	(9)1"DIA	4 1/2"
W36x	1/2	5/16	(10)1"DIA	4 1/2"

TYPICAL SYMMETRIC BEAM ALTERNATE CONNECTION (D)



TYPICAL BEAM TO BEAM END CONNECTION (B)

W6x AND C6x CONNECTION (C)



TYPICAL BEAM CONNECTION (A)

TYPICAL NON-FRAME BEAM CONNECTION SCHEDULE AND DETAILS 1

SCALE: NTS

STEL-WBEM-0001 (REV-1)

8/5/2021 6:26:29 AM

PLEASE RECYCLE

AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

5009006-000

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

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155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER MUSTAFA SAIFUL CHOWDHURY No. S 4063 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

TYPICAL STEEL NON-FRAME DETAILS

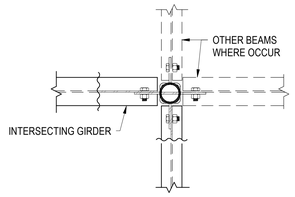
DSA APPROVAL

FILE NO.: 36-C1 **A#: 04-119722**

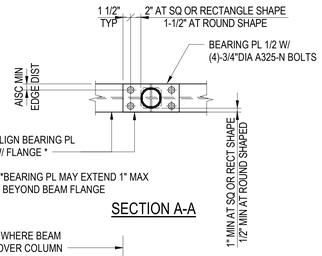
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

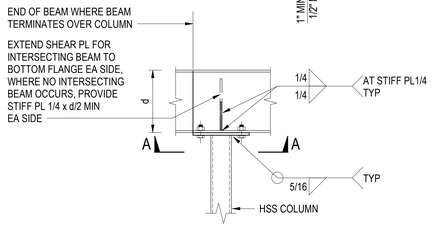
S0.41



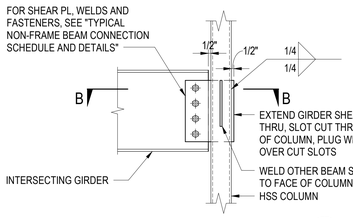
SECTION B-B



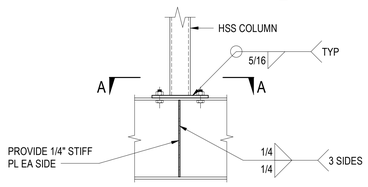
SECTION A-A



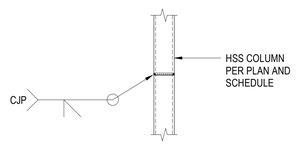
TOP BEARING PLATE CONNECTION (E)



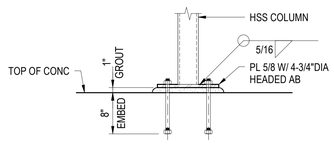
W BEAM TO COLUMN CONNECTION (D)



BASE BEARING PLATE ON STEEL BEAM (C)



TYPICAL COLUMN SPLICE DETAIL (A)

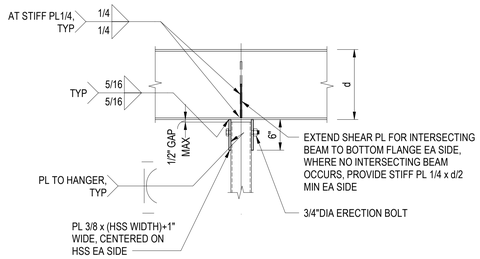


TYPICAL BASE PLATE DETAIL (A)

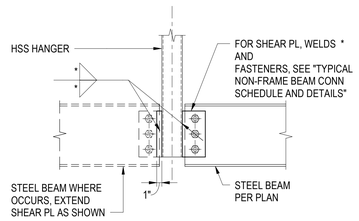
TYPICAL HSS COLUMN CONNECTIONS — 7

SCALE: NTS

STEL-HCOL-0001 (REV-2)



TOP CONNECTION (B)

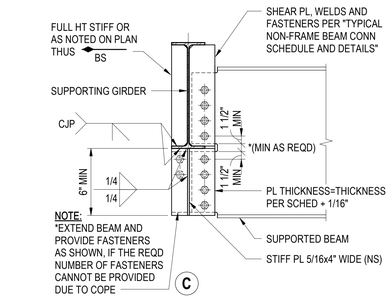


BOTTOM CONNECTION (A)

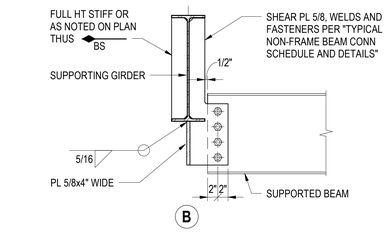
TYPICAL HSS HANGER DETAILS — 6

SCALE: NTS

STEL-HCOL-0002



C



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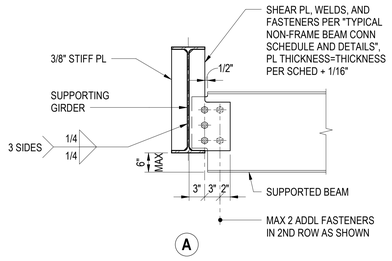
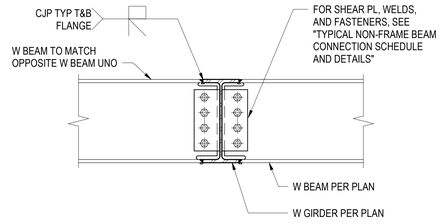


A

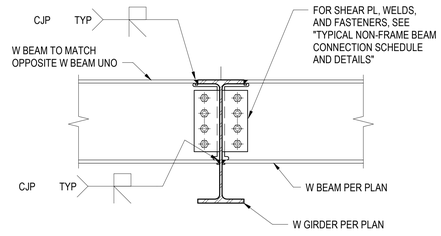
TYPICAL OFFSET BEAM CONNECTION DETAILS — 5

SCALE: NTS

STEL-WBEM-0006



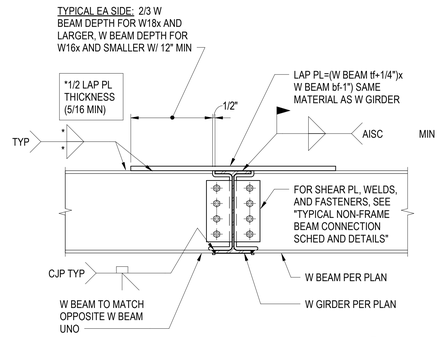
W GIRDER AND W BEAM WITH EQUAL DEPTH (B)



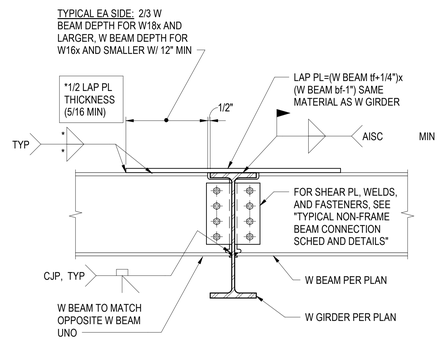
W GIRDER AND W BEAM WITH DIFFERENT DEPTHS (A)

BEAM TO BEAM MOMENT CONNECTION, INDICATED THUS ON PLAN

OPTIONAL ALTERNATE CONNECTION DETAILS



W GIRDER AND W BEAM WITH EQUAL DEPTH (B)



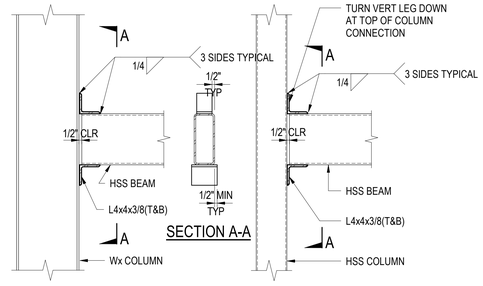
W GIRDER AND W BEAM WITH DIFFERENT DEPTHS (A)

BEAM TO BEAM MOMENT CONNECTION, INDICATED THUS ON PLAN

TYPICAL BEAM TO BEAM MOMENT CONNECTIONS — 4

SCALE: NTS

STEL-WBEM-0004



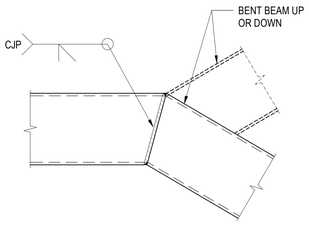
SECTION A-A

HSS BEAM TO W COLUMN HSS BEAM TO HSS COLUMN

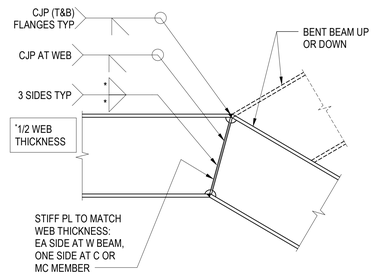
TYPICAL HSS BEAM TO COLUMN CONNECTIONS — 3

SCALE: NTS

STEL-HBEM-0001



HSS MEMBER (A)



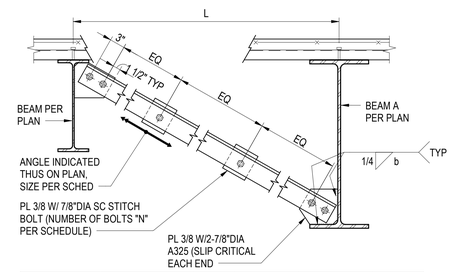
W BEAM, C OR MC MEMBER (A)

BROKEN BACK INDICATED THUS ON PLAN

TYPICAL BEAM BROKEN BACK CONNECTIONS — 2

SCALE: NTS

STEL-WBEM-0005



BEAM A	BRACE SIZE	L (MAX)	NO OF BOLTS (N)	TOTAL WELD LENGTH (b)	ULTIMATE CAPACITY
EBF BEAMS	2-L3x2-1/2x3/8, LLBB	10'-0"	2	9"	40 K
SMF BEAMS	2-L3x2-1/2x1/4, LLBB	9'-0"	1	7"	34 K
		10'-6"	2	6"	29 K
GRAVITY BEAMS	2-L3x2-1/2x1/4, LLBB	9'-0"	1	7"	34 K
		10'-6"	2	6"	29 K

TYPICAL ANGLE BRACE DETAIL — 1

SCALE: NTS

STEL-BRAC-0001

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DATE: 08/19/2021

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4085 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

TYPICAL STEEL HSS & MISC DETAILS

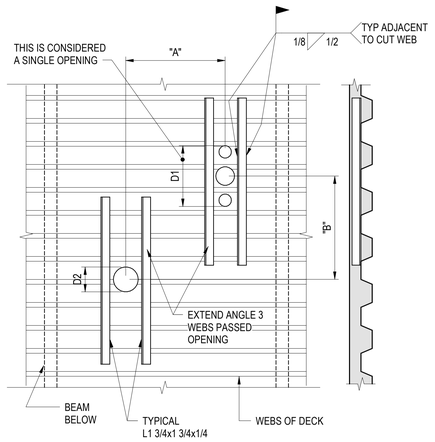
DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

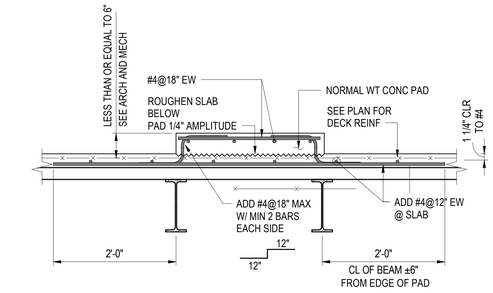
S0.42



NOTES:
1. DO NOT CUT MORE THAN 2 ADJACENT WEBS.
2. HOLES LESS THAN 6" IN DIAMETER AND CUTTING NO MORE THAN 1 WEB NEED NO REINFORCING.
3. ANGLES SHALL BE PLACED ON TOP OF DECK.
4. IF DIMENSION "A" IS GREATER THAN 4D1, 4D2, OR 32" WHICHEVER IS LARGER, THEN THERE IS NO RESTRICTION ON DIMENSION "B".
5. IF DIMENSION "B" IS GREATER THAN 4D1, 4D2, OR 32" WHICHEVER IS LARGER, THEN THERE IS NO RESTRICTION ON DIMENSION "A".
6. IF DIMENSIONS "A" AND "B" ARE LESS THAN 4D1, 4D2, OR 32" WHICHEVER IS LARGER, THE OPENING GROUP WILL BE CONSIDERED AS A SINGLE HOLE, AND MUST BE REINFORCED AS REQUIRED FOR THE LARGER OPENING.

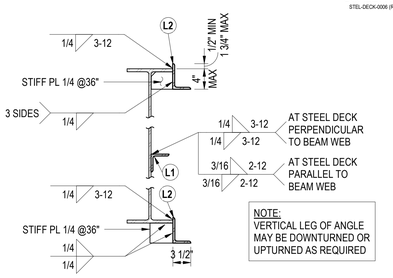
TYPICAL METAL DECK SLEEVE DETAIL 9

SCALE: NTS
STEL-DECK-0008



TYPICAL MECHANICAL PAD AT METAL DECK DETAIL 8

SCALE: NTS
STEL-DECK-0006 (REV-1)

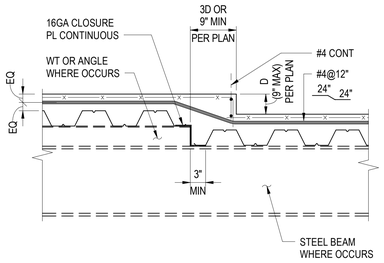


NOTE:
VERTICAL LEG OF ANGLE MAY BE DOWNTURNED OR UPTURNED AS REQUIRED

SCHEDULE			
LEDGE ANGLE OR BENT PLATE MARK	STEEL DECK PERPENDICULAR TO BEAM WEB	STEEL DECK PARALLEL TO BEAM WEB	REMARK
L1	L3 1/2x3 1/2x3/8	L3 1/2x3 1/2x1/4	
L2	3/8" THICK ANGLE OR BENT PL	1/4" THICK ANGLE OR BENT PL	

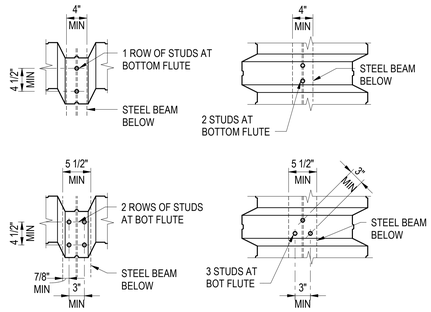
TYPICAL LEDGER ANGLE ON STEEL BEAM 7

SCALE: NTS
STEL-DECK-0005



TYPICAL DECK SLAB DEPRESSION DETAIL 5

SCALE: NTS
STEL-DECK-0003

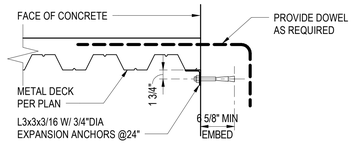


DECK PARALLEL TO BEAM PLAN VIEW

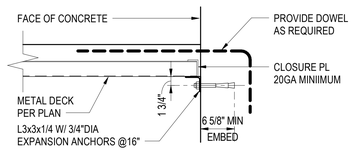
DECK PERPENDICULAR TO BEAM PLAN VIEW

TYPICAL TYPE "W" FORMLOK METAL DECK STUD SPACING DETAILS 4

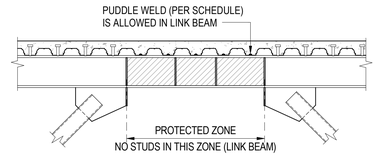
SCALE: NTS
STEL-DECK-0002



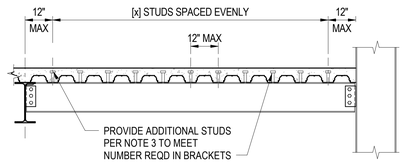
METAL DECK PARALLEL TO LEDGER ANGLE (B)



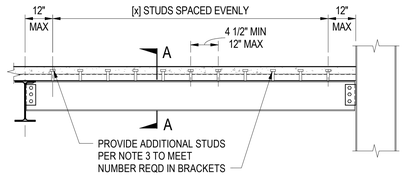
METAL DECK PERPENDICULAR TO LEDGER ANGLE (A)



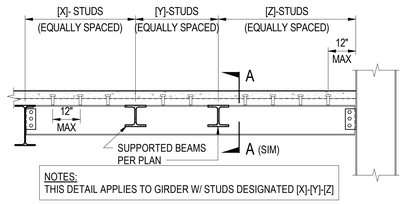
STUD SPACING AT EBF LINK BEAMS (D)



DECK PERPENDICULAR OR SKEWED TO BEAM (C)



DECK PARALLEL TO BEAM (B)

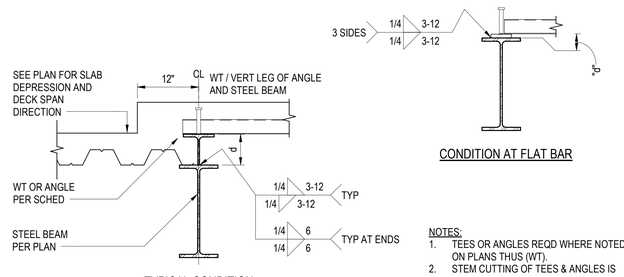


NOTES:
THIS DETAIL APPLIES TO GIRDER W/ STUDS DESIGNATED [X]-[Y]-[Z]

DECK PARALLEL OR PERPENDICULAR TO GIRDER (A)

TYPICAL DECK SLAB DEPRESSION WITH STRUCTURAL TEE 6

SCALE: NTS
STEL-DECK-0004 (1'2"/6")



TYPICAL CONDITION

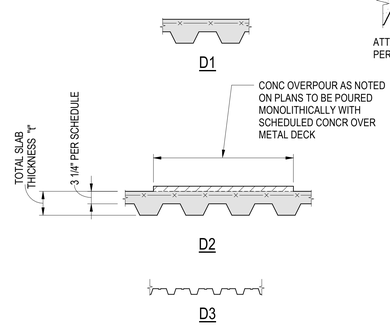
CONDITION AT FLAT BAR

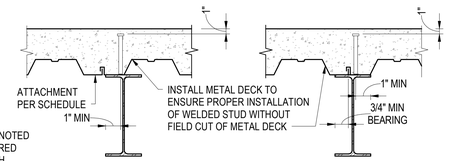
SCHEDULE	
DEPTH "d"	STRUCTURAL TEE'S AND ANGLE SIZES
"d" < 2"	PL "d" THICKx4
2"	HSS4x2x1/4
3"	WT3x4.5
4"	WT4x6.5
5"	WT5x7.5
6"	WT6x8
7"	WT7x13
8"	WT8x15.5
9"	WT9x20
12"	WT12x27.5

NOTES:
1. TEES OR ANGLES REQD WHERE NOTED ON PLANS THUS (WT).
2. STEM CUTTING OF TEES & ANGLES IS REQD WHERE DEPTH "d" DOESN'T FALL WITHIN ONE-INCH INCREMENT.
3. FLAT BAR SHALL BE CENTERED ON BEAM FLANGE UNO.

TYPICAL LEDGER ANGLE DETAILS 3

SCALE: NTS
STEL-MISC-0002





SECTION A-A

NOTES:
1. UNLESS NOTED OTHERWISE PROVIDE 3/4" DIA HEADED SHEAR STUDS ICC ESR-2856 @12" (MAX SPACING) FOR ALL BEAMS AND GIRDERS THAT SUPPORT STRUCTURAL CONCRETE.
2. MINIMUM NUMBER OF STUDS REQUIRED IS SHOWN AS [x] ON FRAMING PLANS OR 12" WHERE NOT INDICATED ON PLAN. ADDIONAL STUDS MAY BE REQUIRED TO MEET THE MAXIMUM SPACING OF 12"
3. IF MORE THAN ONE STUD IS REQUIRED IN ONE FLUTE THE TRANSVERSE SPACING SHALL BE PER DETAIL 4/S0.51
4. HEADED SHEAR STUD SHALL HAVE MIN 1/2" CLEAR SPACING AT THE CONCRETE TOPPING.

METAL DECK CONSTRUCTION SCHEDULE

MARK	METAL DECKING TYPE	METAL DECKING GAUGE	TOTAL SLAB "t"	SLAB DESCRIPTION	METAL DECKING WELDING: PERPENDICULAR TO SUPPORT	METAL DECKING WELDING: PARALLEL TO SUPPORT	METAL DECKING WELDING: SEAMS	MAXIMUM UNSHORED SPAN (CLEAR SPAN BETWEEN SUPPORTS): SINGLE	DOUBLE	TRIPLE	HOURLY FIRE RATING	REMARKS
D1	VERCO PLW3 DECK	18	6 1/4"	3 1/4" LIGHT WEIGHT CONCRETE W/ 4x4-W4.0xW4.0 WWF	(4)-1/2"DIA EFFECTIVE PLUG WELDS PER 36" SHEET (3 PER 24" SHEET)	1/2"DIA EFFECTIVE PLUG WELD @ 12"	BUTTON PUNCH @ 24"	12'-0"	12'-6"	14'-0"	2 HR UL D907	SEE PLANS FOR ADDED REBARS
D2	VERCO PLW2 DECK	18	4 1/2"	2 1/2" LIGHT WEIGHT CONCRETE W/ 4x4-W4.0xW4.0 WWF	(4)-1/2"DIA EFFECTIVE PLUG WELDS PER 36" SHEET (3 PER 24" SHEET)	1/2"DIA EFFECTIVE PLUG WELD @ 12"	BUTTON PUNCH @ 24"	12'-0"	12'-6"	14'-0"	NOT RATED	NON-VENTED GALVANIZED COATING CONFORMING TO ASTM 525 CLASS G90
D3	VERCO W3 FORMLOCK DECK	18	3"	-	(7)-1/2"DIA PLUG WELD	1/2"DIA EFFECTIVE PUDDLE WELD @ 6"	VSC2 @12"	11'-0"	11'-0"	11'-0"	NOT RATED	GALVANIZED COATING CONFORMING TO ASTM A653 CLASS G60
D4	VERCO PLB36	18	1 1/2"	-	(7)-1/2"DIA PLUG WELD	1/2"DIA EFFECTIVE PUDDLE WELD @ 12"	VSC2 @8"	8'-6"	8'-6"	8'-6"	NOT RATED	GALVANIZED COATING CONFORMING TO ASTM A653 CLASS G60

NOTES:
1. NO DUCTS, ELECTRICAL OR OTHERWISE SHALL OCCUR IN FILL UNLESS NOTED OTHERWISE.
2. PROVIDE VERCO METAL DECKING AND ACCESSORIES IN CONFORMANCE WITH ICC EVALUATION REPORT ESR-1735P.
3. SEE DETAILS 1/S0.51 & 4/S0.51 FOR STUD SPACING REQUIREMENTS.
4. ALL SLABS WHICH RECEIVE A WATERPROOFING MEMBRANE AND OR MOISTURE SENSITIVE FINISH SHALL BE PROVIDED WITH POSITIVE VENTED STEEL DECK.
5. CONCRETE SHALL BE POURED TO THE THICKNESS.

TYPICAL SHEAR STUD DETAIL

TYPICAL METAL DECK CONSTRUCTION SCHEDULE 2

SCALE: NTS
STEL-DECK-0000 (REV-1)

TYPICAL COMPOSITE BEAM METAL DECK STUD SPACING DETAILS 1

SCALE: NTS
STEL-DECK-0001

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Δ	DESCRIPTION	DATE

KEYNOTES

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PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
TYPICAL STEEL DECK DETAILS

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FILE NO.: 36-C1 A# : 04-119722
DATE: 08.05.2021 CLIENT PROJ NO:
SHEET:

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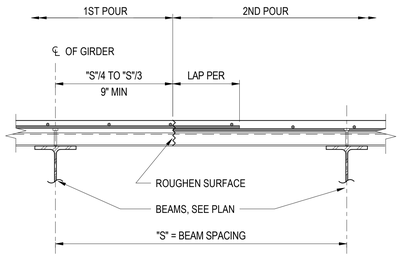
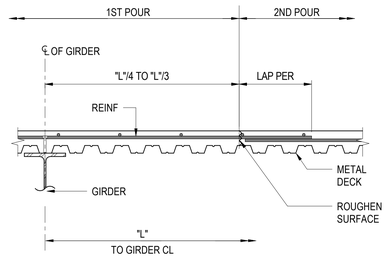


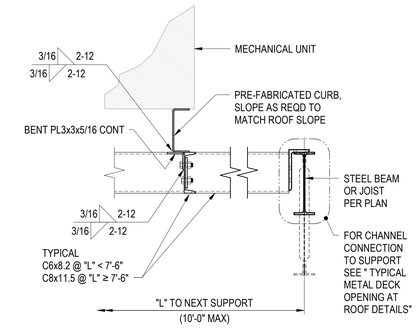
CONSTRUCTION JOINT PERPENDICULAR TO DECK



CONSTRUCTION JOINT PARALLEL TO DECK

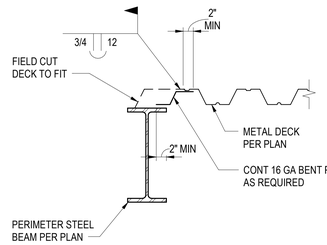
TYPICAL FLOOR AND ROOF DECK SLAB CONSTRUCTION JOINT DETAILS **7**

SCALE: NTS
STEL-DECK-0015



TYPICAL MECHNICAL UNIT CURB SUPPORT DETAIL **6**

SCALE: NTS
STEL-DECK-0007

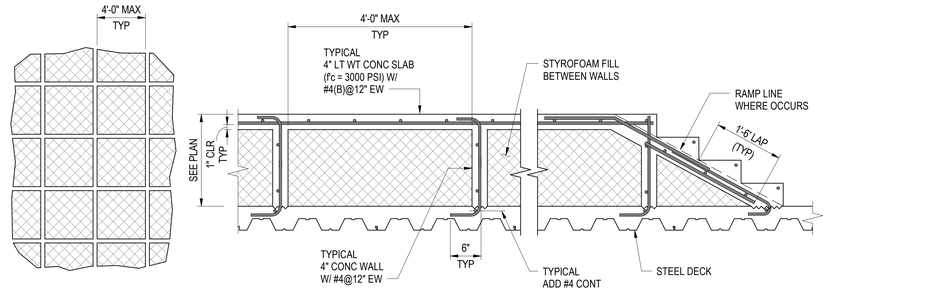


METAL DECK PARALLEL TO PERIMETER BEAM / GIRDER **5**

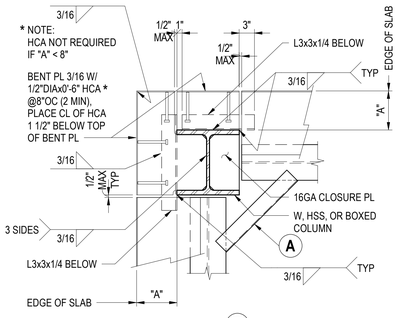
SCALE: NTS
STEL-DECK-0016

TYPICAL BUILT-UP CONCRETE SLAB OVER METAL DECK DETAIL **4**

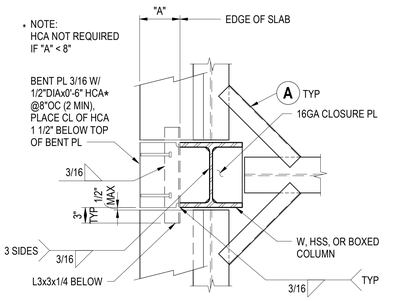
SCALE: NTS
STEL-DECK-0011



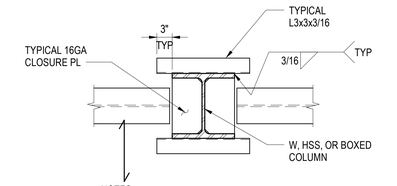
PLAN VIEW | TYPICAL CONDITION | STAIR/RAMP CONDITION



DETAIL (E)

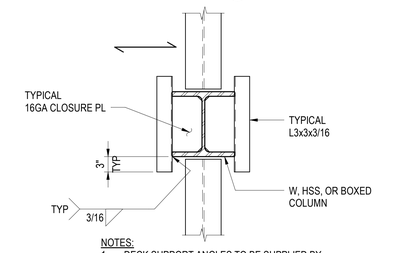


DETAIL (D)



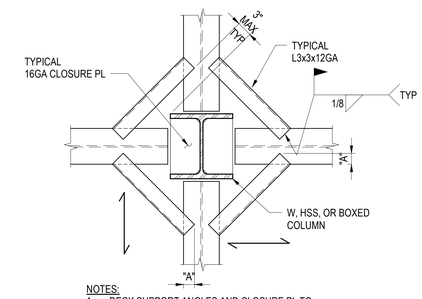
NOTES:
1. DECK SUPPORT ANGLES TO BE SUPPLIED BY STRUCTURAL STEEL CONTRACTOR

DETAIL (C)



NOTES:
1. DECK SUPPORT ANGLES TO BE SUPPLIED BY STRUCTURAL STEEL CONTRACTOR

DETAIL (B)

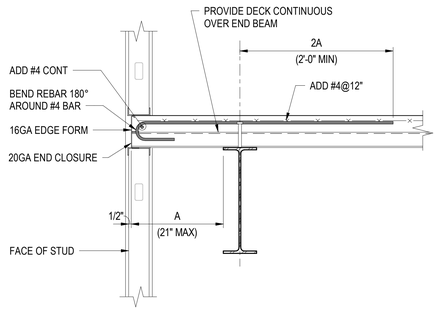


NOTES:
1. DECK SUPPORT ANGLES AND CLOSURE PL TO BE SUPPLIED BY DECK MANUFACTURER.
2. DECK SUPPORT ANGLE MAY BE ELIMINATED IF "A" ≤ 3", "A" IS PERPENDICULAR TO DECK SPAN.

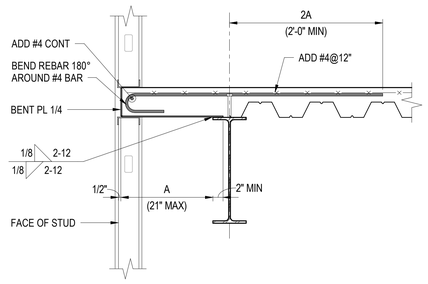
DETAIL (A)

TYPICAL METAL DECK SUPPORT AT COLUMN DETAILS **1**

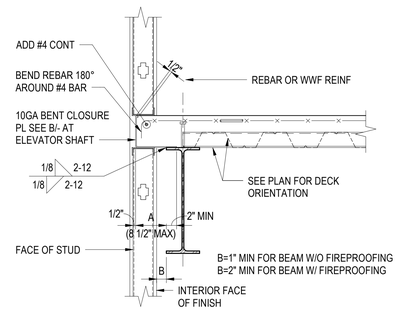
SCALE: NTS
STEL-DECK-0014



DECK PERPENDICULAR TO SLAB EDGE (A > 8 1/2") (C)



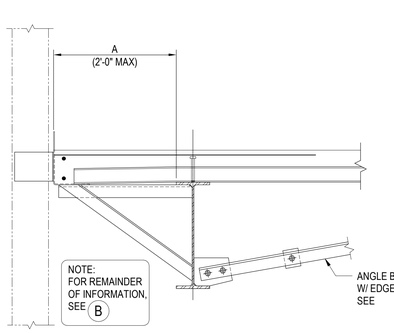
DECK PARALLEL TO SLAB EDGE (A > 8 1/2") (B)



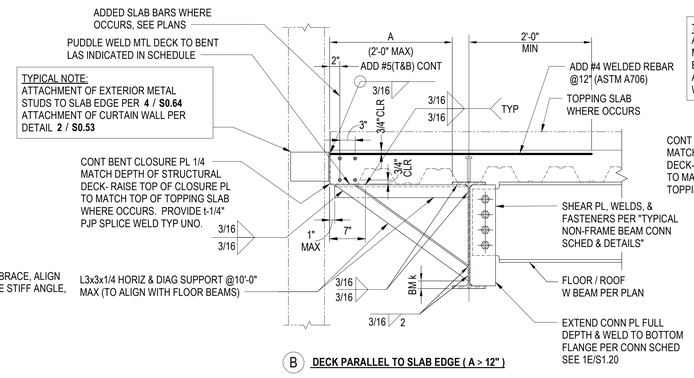
TYPICAL CONDITION (3" < A ≤ 8 1/2") (A)

TYPICAL METAL DECK INTERIOR SLAB EDGE DETAILS **3**

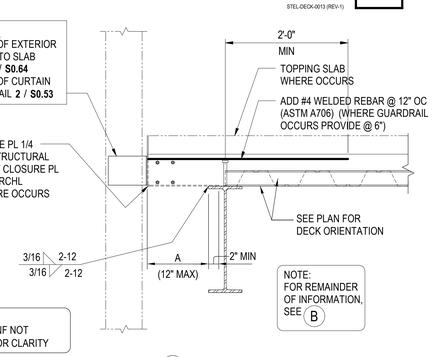
SCALE: NTS
STEL-DECK-0013 (REV-1)



(C) DECK PERPENDICULAR TO SLAB EDGE (A > 12")



(B) DECK PARALLEL TO SLAB EDGE (A > 12")



(A) TYPICAL CONDITION (A ≤ 12")

TYPICAL CONCRETE FILLED METAL DECK EXTERIOR SLAB EDGE DETAILS **2**

SCALE: NTS STEL-DECK-0012

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PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

TYPICAL STEEL DECK DETAILS

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FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

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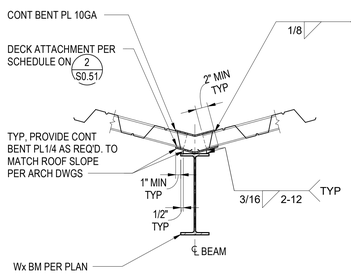


PLATE @ VALLEY

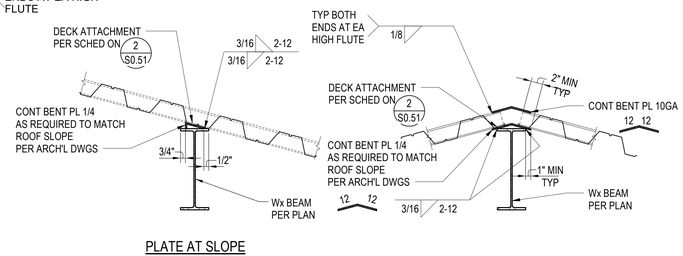
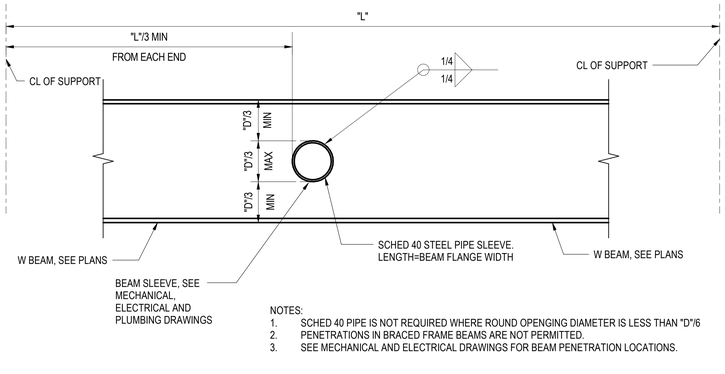


PLATE AT SLOPE

PLATE AT RIDGE

BENT PLATE FOR SUPPORTING SLOPED ROOF DECKS AT PAVILION 4

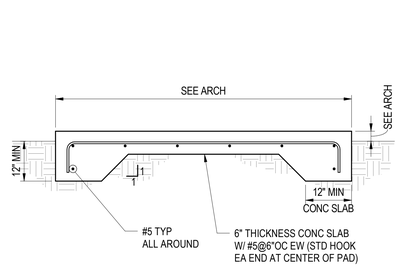
SCALE: 1" = 1'-0"



NOTES:
1. SCHED 40 PIPE IS NOT REQUIRED WHERE ROUND OPENGING DIAMETER IS LESS THAN "D"/6
2. PENETRATIONS IN BRACED FRAME BEAMS ARE NOT PERMITTED.
3. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR BEAM PENETRATION LOCATIONS.

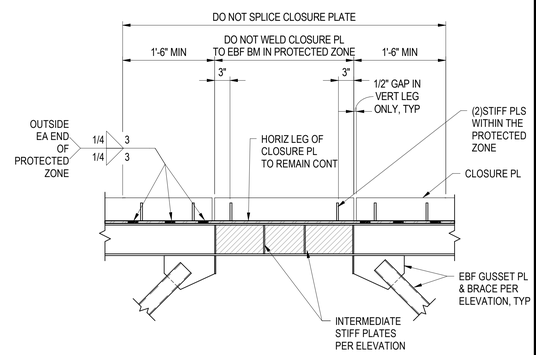
TYPICAL STEEL BEAM PENETRATION DETAIL 7

SCALE: 1" = 1'-0"



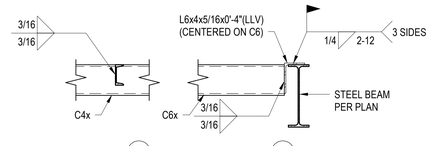
TYPICAL EQUIPMENT CONCRETE PAD ON GRADE 6

SCALE: 3/4" = 1'-0"

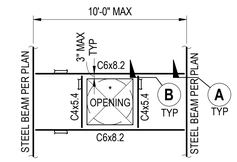


TYPICAL CLOSURE PLATE DETAIL AT EBK LINK BEAMS 3

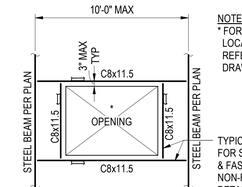
SCALE: 1" = 1'-0"



DETAIL B DETAIL A



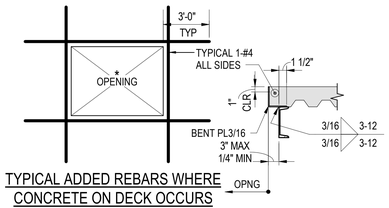
3'-0" x 3'-0" MAXIMUM OPENING



NOTE:
* FOR EXACT SIZE & LOCATION OF OPENING REFER TO ARCH/MECH DRAWINGS

TYPICAL FOR SHEAR PL SIZE, WELDS & FASTENERS, SEE "TYPICAL NON-FRAME BEAM CONNECTION DETAILS & SCHEDULE

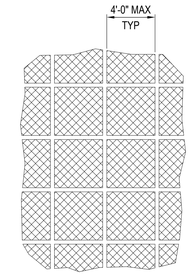
10'-0" x 8'-0" MAXIMUM OPENING



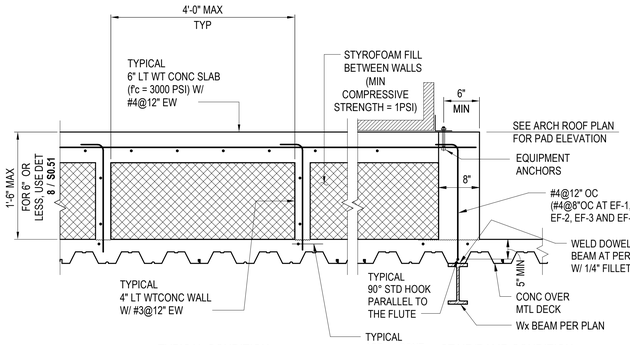
TYPICAL ADDED REBARS WHERE CONCRETE ON DECK OCCURS

TYPICAL METAL DECK OPENING AT ROOF DETAILS 8

SCALE: 1" = 1'-0"



PLAN VIEW

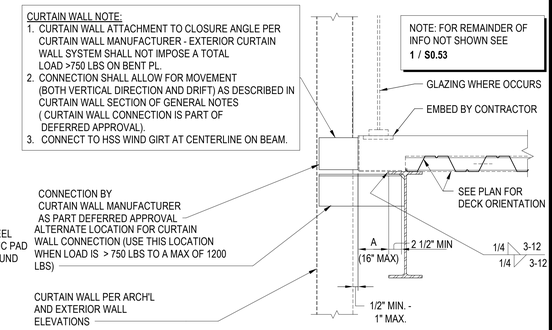


TYPICAL CONDITION

STAIR/RAMP CONDITION

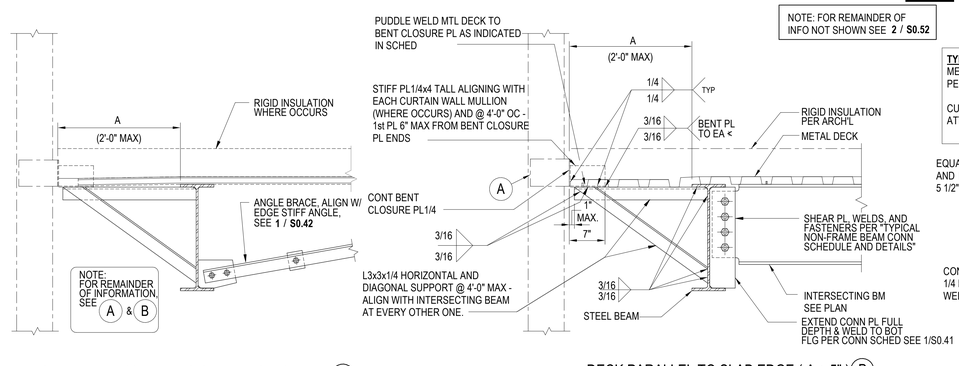
TYPICAL BUILT-UP CONCRETE SLAB OVER METAL DECK AT MECHANICAL PAD DETAIL 5

SCALE: 1" = 1'-0"



TYPICAL CURTAIN WALL ATTACHMENT DETAIL 2

SCALE: NTS



DECK PERPENDICULAR TO SLAB EDGE (A > 5") C

DECK PARALLEL TO SLAB EDGE (A > 5") B

TYPICAL CONDITION (A ≤ 5") A

TYPICAL BARE METAL DECK (NO CONCRETE FILL) AT EXTERIOR AND INTERIOR DECK EDGE DETAILS 1

SCALE: 1" = 1'-0"

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PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
TYPICAL DETAILS - METAL DECK

DSA APPROVAL

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DATE: 08.05.2021	CLIENT PROJ NO:

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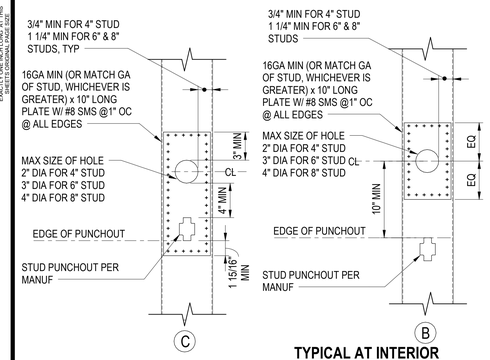
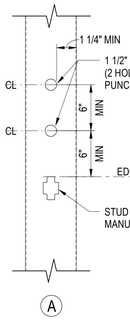
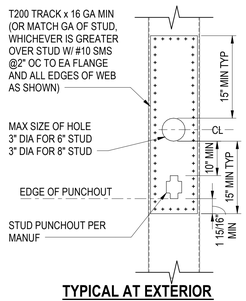


TYPICAL AT INTERIOR STUD FRAMING

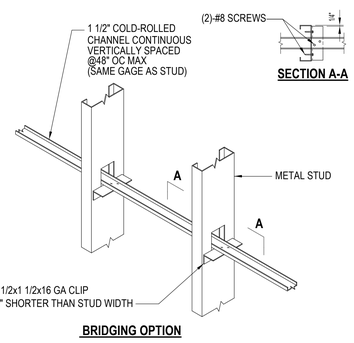




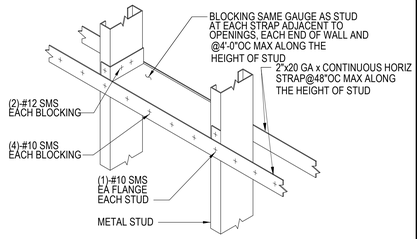
TYPICAL AT EXTERIOR STUD FRAMING

TYPICAL PENETRATIONS AT METAL STUD DETAIL 4

SCALE: NTS
METL-GENL-0012



BRIDGING OPTION

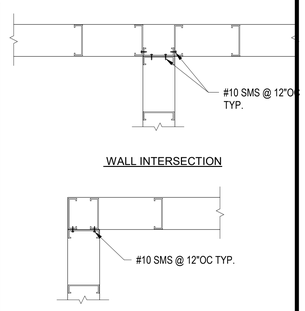


STRAP OPTION

NOTE:
REQUIRED WHERE SHEATHING DOES NOT CONTINUE FULL HEIGHT OF EITHER OR BOTH SIDES OF STUDS

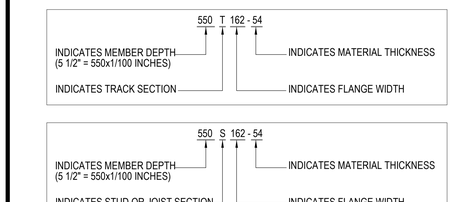
TYPICAL LATERAL BRIDGING AT METAL STUDS (APPLICABLE TO INTERIOR AND EXTERIOR STUDS) 3

SCALE: NTS



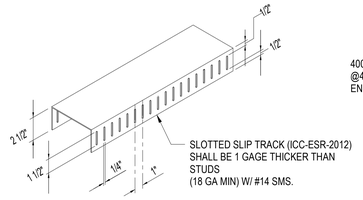
TYPICAL METAL STUD WALL AT INTERSECTION DETAILS 2

SCALE: NTS

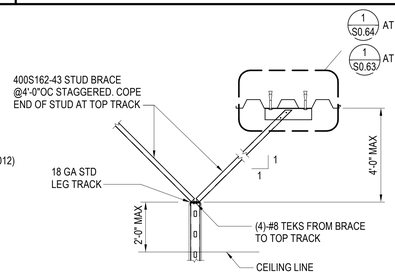


METAL STUD IDENTIFICATION 5

SCALE: NTS
METL-GENL-0006

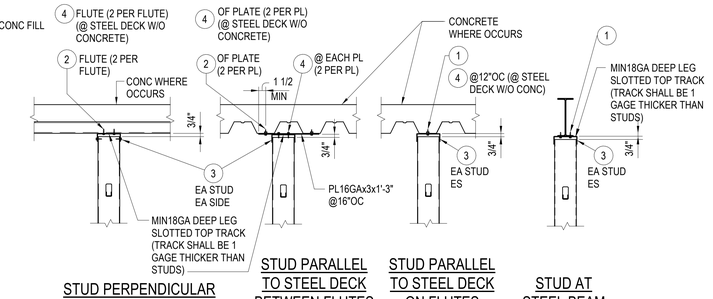


SLIP TRACK DIAGRAM H



NOTE:
NOT ALLOWED FOR ATTACHING BACKING AT WALL SUPPORTED ITEMS

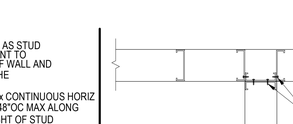
TOP CONNECTION F



STUD PERPENDICULAR TO STEEL DECK | STUD PARALLEL TO STEEL DECK BETWEEN FLUTES | STUD PARALLEL TO STEEL DECK ON FLUTES | STUD AT STEEL BEAM

METAL STUD PROPERTIES			
METAL STUD SIZE	CROSS SECTIONAL AREA, A (in^2)	EFFECTIVE MOMENT OF INTERIA, Ixe (in^4)	EFFECTIVE SECTION MODULUS, Sxe (in^3)
400S162-33	0.2751	0.6921	0.2989
400S162-43	0.3567	0.8919	0.4166
400S200-43	0.4018	1.0475	0.4783
600S162-33	0.3443	1.7928	0.5773
600S162-43	0.4469	2.3158	0.7673
600S200-43	0.4920	2.6827	0.8726
600S200-54	0.6129	3.3193	1.0152
800S162-43	0.5371	4.4998	1.0192
1000S162-43	0.6273	7.5227	1.3024
400T150-43	0.3153	0.7192	0.2933
600T150-43	0.4055	1.8897	0.4736
600T150-54	0.5087	2.4004	0.6091
600T200-43	0.4506	2.0759	0.5646
600T200-54	0.5653	2.6412	0.7174
800T150-54	0.6219	4.6923	0.8439

STUD TO DECK DETAIL B



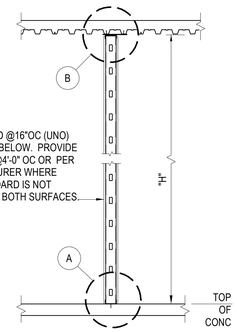
SINGLE STUD TO BOTTOM TRACK

BOX STUD TO BOTTOM TRACK

NOTES:
1. FOR STEEL STUD AND TRACK TYPE, SEE PLANS, SECTIONS AND METAL STUD SIZE SCHEDULE.
2. FOR METAL STUD FASTENERS, SEE METAL STUD FASTENER SCHEDULE.

METAL STUD FASTENER SCHEDULE	
MARK	FASTENERS SIZE AND SPACING
1	0.157 DIA HILTI X-U POWDER DRIVEN FASTENER @24"OC W/ 1 1/2" MIN EMBED
2	0.157 DIA HILTI X-U POWDER DRIVEN FASTENER W/ 1 1/4" MIN EMBED
3	#10 SHEET METAL SCREW
4	#12 SHEET METAL SCREW
5	1/2"DIA HEADED BOLT @24"OC (MIN 6" EMBED)

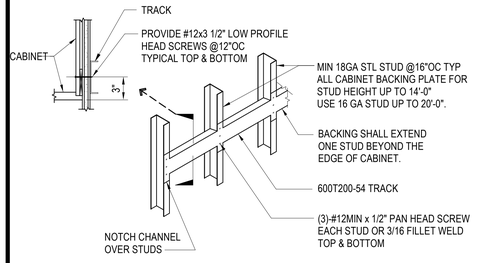
STUD TO SLAB DETAIL A



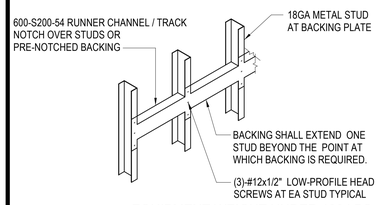
TYPICAL METAL STUD WALL SECTION

MAXIMUM ALLOWABLE HEIGHT ("H") SCHEDULE				
METAL STUD (S-STUD) SIZE (MIN1 5/8" FLANGE)				
GAUGE	4"	6"	8"	
16	19'-0"	26'-0"	33'-0"	
18	18'-0"	24'-0"	30'-0"	
20	15'-0"	22'-0"	--	

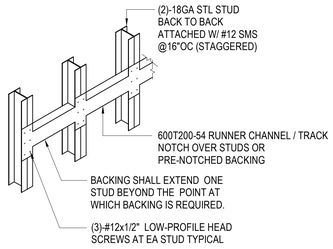
NOTES:
1. MAXIMUM STUD HEIGHT "H" FOR STUDS @16"OC
2. SEE ARCHITECTURAL FOR OTHER CONDITIONS.
3. SEE ARCHITECTURAL FOR LOCATION OF CURB.
4. HILTI X-U LOW VELOCITY POWER DRIVEN FASTERNER SHALL BE PER ICC REPORT No. ESR 2269
5. ALL TRACKS SHALL BE 1 GAGE THICKER THAN STUDS WITH 1-1/2" FLANGE



BACKING AT CABINET

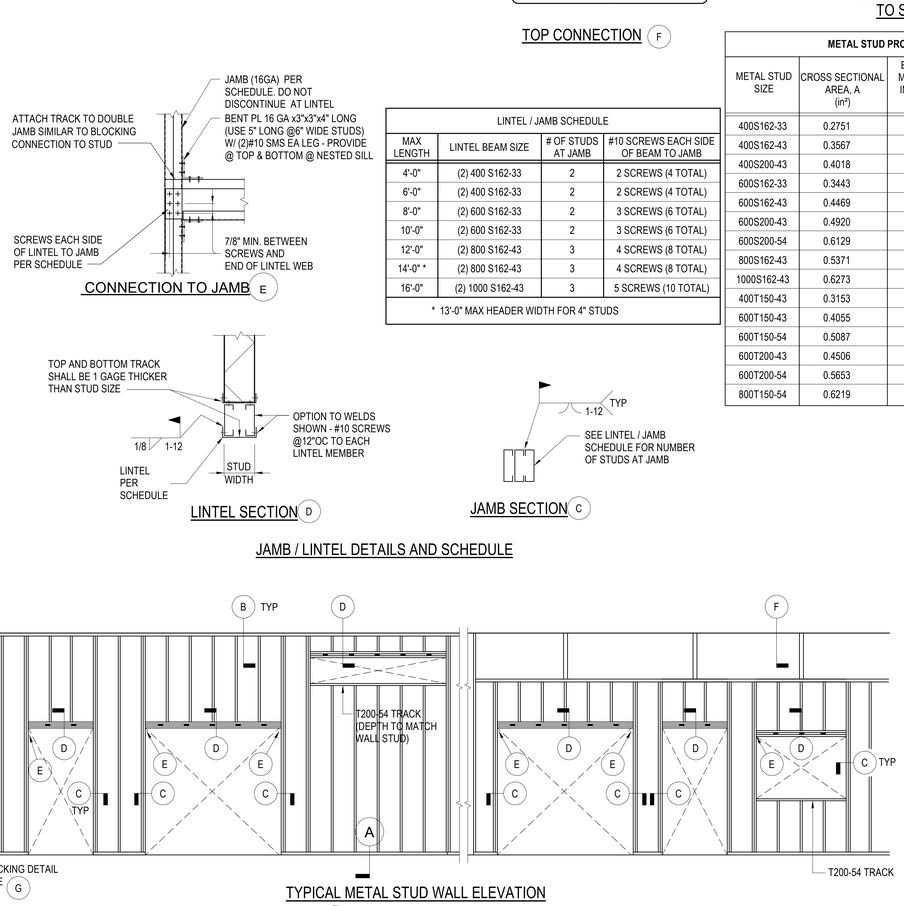


EQUIPMENT WEIGHT UNDER 100 LBS (AND FIXTURES)



EQPM WEIGHT BETWEEN 100-400 LBS (AND FIXTURES)

BACKING FOR WALL SUPPORTED ITEMS G



CONNECTION TO JAMB E

LINTEL / JAMB SCHEDULE			
MAX LENGTH	LINTEL BEAM SIZE	# OF STUDS AT JAMB	#10 SCREWS EACH SIDE OF BEAM TO JAMB
4'-0"	(2) 400 S162-33	2	2 SCREWS (4 TOTAL)
6'-0"	(2) 400 S162-33	2	2 SCREWS (4 TOTAL)
8'-0"	(2) 600 S162-33	2	3 SCREWS (6 TOTAL)
10'-0"	(2) 600 S162-33	2	3 SCREWS (6 TOTAL)
12'-0"	(2) 800 S162-43	3	4 SCREWS (8 TOTAL)
14'-0" *	(2) 800 S162-43	3	4 SCREWS (8 TOTAL)
16'-0"	(2) 1000 S162-43	3	5 SCREWS (10 TOTAL)
* 13'-0" MAX HEADER WIDTH FOR 4" STUDS			

LINTEL SECTION D

JAMB SECTION C

JAMB / LINTEL DETAILS AND SCHEDULE

TYPICAL METAL STUD WALL ELEVATION

SEE DETAIL 3 S0.61 FOR CONDITION WHERE BRIDGING IS REQUIRED

TYP INTERIOR NON-BEARING METAL STUD WALL CONSTRUCTION DETAILS 1

SCALE: NTS

8/5/2021 6:26:49 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000

3546 CONCOURS STREET
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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

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155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com

SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4063 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
TYPICAL DETAILS - METAL STUDS

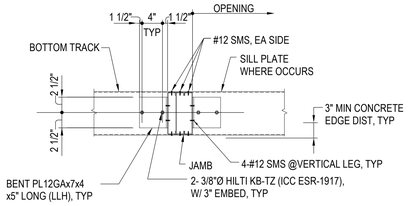
DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:

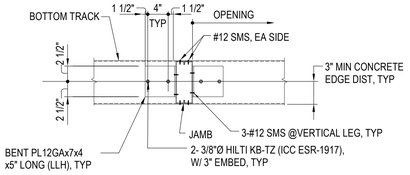
SHEET:

S0.61

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



B - OPENINGS 14'-0" TO 16'-0"



A - OPENINGS UP TO 14'-0"

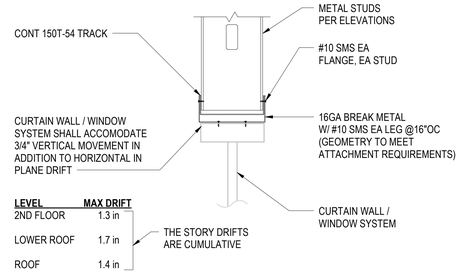
METAL STUD FRAMING SCHEDULE

JAMB SCHEDULE				
			TOP AND BOTTOM CONNECTIONS	
MARK (PER ELEV)	DESCRIPTION	(PLAN VIEW) SECTION	CONNECTION AT BOTTOM TRACK	CONNECTION TO TOP TRACK
J1	(2) 600S162-54	1C / S0.62	1B / S0.62	5 / S0.63

LIGHTGAGE STUD SCHEDULE	
MARK (PER ELEVATION)	DESCRIPTION
S1	600S162-54 @ 16"OC
S2	600S162-43 @ 16"OC

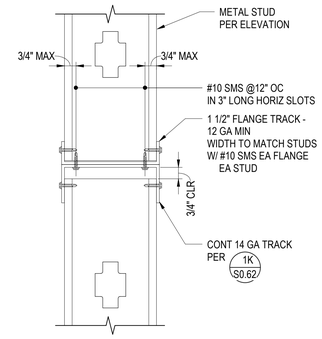
HEADER SCHEDULE			
MARK (PER ELEV)	DESCRIPTION	SECTION	CONNECTION TO JAMB
H1	(2) 600T150-43 + (2) 600S162-43	1E / S0.62	1F / S0.62

NOTE:
MAX DRIFT INDICATED IN THE TABLE ARE INTER STORY DRIFT.
FOR CURTAIN WALL BY PASS MULTIPLE LEVELS NEED TO ACCOMMODATE THE ACCUMULATED INTER STORY DRIFT.



TYPICAL HORIZONTAL JOINT DIRECTLY ABOVE CURTAIN WALL/WINDOW 3

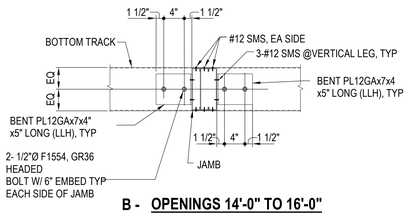
SCALE: NTS



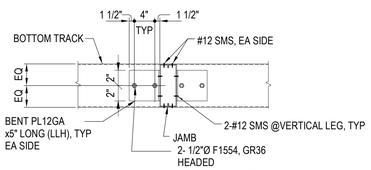
TYPICAL HORIZONTAL JOINT AT METAL STUDS 2

SCALE: NTS

III CONDITION WITH NO CONC CURB OCCURS
(APPLIES TO ELEVATED FLOOR)

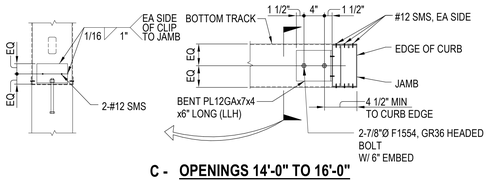


B - OPENINGS 14'-0" TO 16'-0"

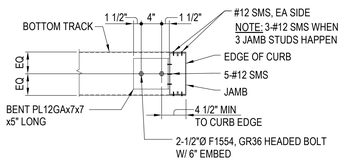


A - OPENINGS UP TO 14'-0"

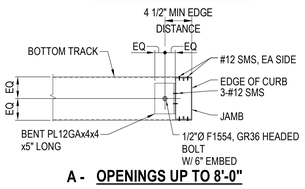
II CONDITION WITH CONC CURB WHERE SILL PLATE IS CONT
(APPLIES TO GROUND AND ELEVATED FLOOR)



C - OPENINGS 14'-0" TO 16'-0"



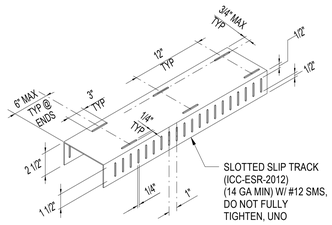
B - OPENINGS 8'-0" TO 14'-0"



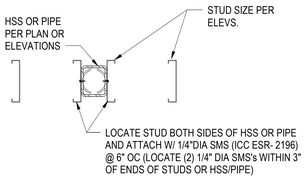
A - OPENINGS UP TO 8'-0"

I CONDITION AT CONCRETE CURB
WHERE SILL PLATE TERMINATES AT JAMB
(APPLIES TO GROUND LEVEL AND ELEVATED FLOOR)

EXTERIOR WALL JAMB CONNECTIONS (PLAN VIEWS) B

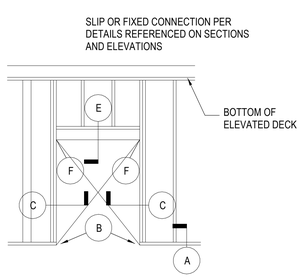


SLOTTED DEFLECTION AND DRIFT TRACK K



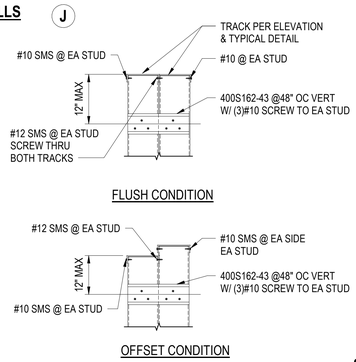
PLAN VIEW

VERTICAL HSS OR PIPES IN WALLS J

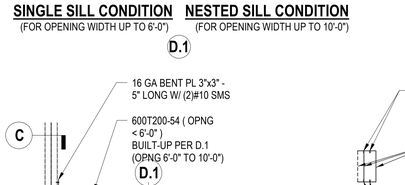


ELEVATION AT ONE-STORY ALCOVES H

(ALCOVES ARE IDENTIFIED ON S2XX SERIES SHEETS)



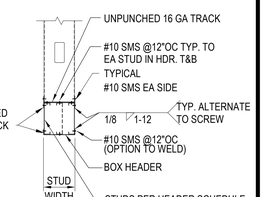
(2)TANDUM STUD TRACK ATTACHED G



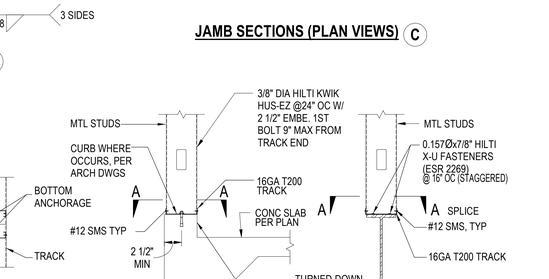
SINGLE SILL CONDITION **NESTED SILL CONDITION**

(FOR OPENING WIDTH UP TO 6'-0") (FOR OPENING WIDTH UP TO 10'-0")

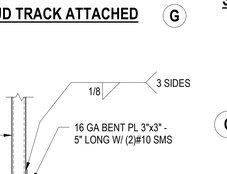
D.1



HEADER SECTION E



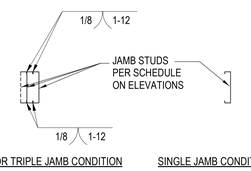
HEADER TO JAMB CONNECTION F



TYPICAL ELEVATION

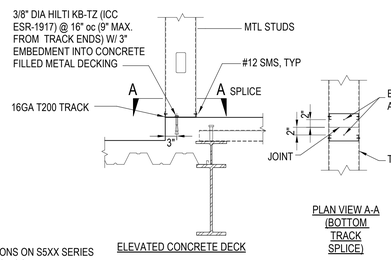
NOTE:
1. FOR METAL STUD, JAMB, HEADER AND SILL SIZES SEE ELEVATIONS ON S5XX SERIES
2. PROVIDE BRIDGING PER **3 / S0.61** WHERE SHEATHING DOES NOT CONTINUE FULL HEIGHT OF EITHER OR BOTH SIDES OF STUDS .

SILL TO JAMB CONNECTION D



DOUBLE OR TRIPLE JAMB CONDITION SINGLE JAMB CONDITION

JAMB SECTIONS (PLAN VIEWS) C



ELEVATED CONCRETE DECK

PLAN VIEW A-A
(BOTTOM
TRACK
SPLICE)

CONCRETE CURB AT SLAB ON GRADE STEEL BEAM

CONDITIONS AT BASE A

TYP EXTERIOR NON-BEARING METAL STUD WALL CONSTRUCTION DETAILS 1

SCALE: NTS

PLEASE RECYCLE

5/5/2021 6:26:53 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT
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Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL ISLAM No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
TYPICAL DETAILS - METAL STUDS

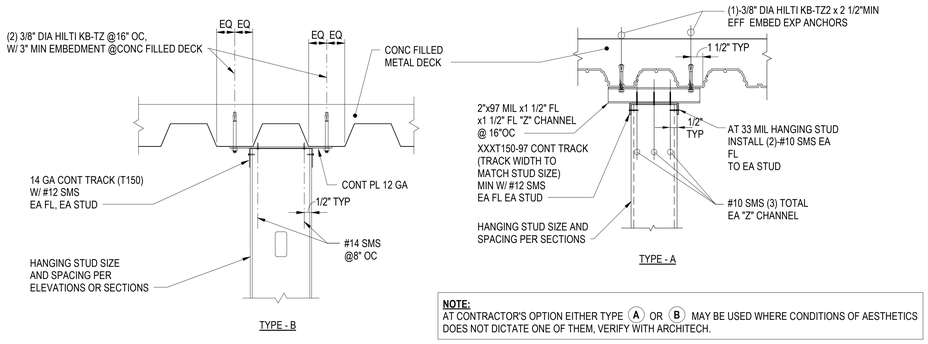
DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

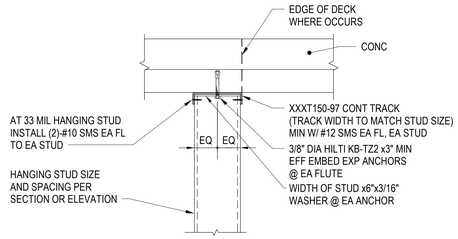
SHEET:

S0.62



NOTE:
AT CONTRACTOR'S OPTION EITHER TYPE (A) OR (B) MAY BE USED WHERE CONDITIONS OF AESTHETICS DOES NOT DICTATE ONE OF THEM, VERIFY WITH ARCHITECH.

PARALLEL TO FLUTES

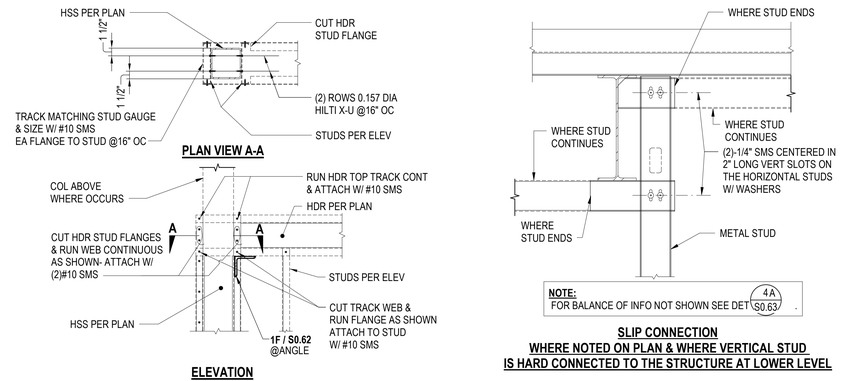


NOTE: WHERE FIRE PROOFING OCCURS USE 2"x97 MIL x1 1/2" FLANGE x1 1/2" FLANGE "Z" CHANNEL PARALLEL TO HANGER TRACK W/ EXP ANCHORS @24" OC

PERPENDICULAR TO FLUTES

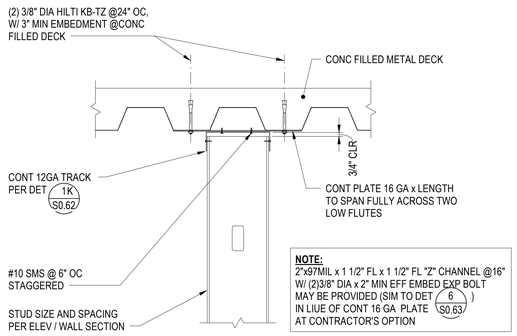
RIGID (HANGING) CONNECTION TO CONCRETE FILLED METAL DECK — 6

SCALE: NTS



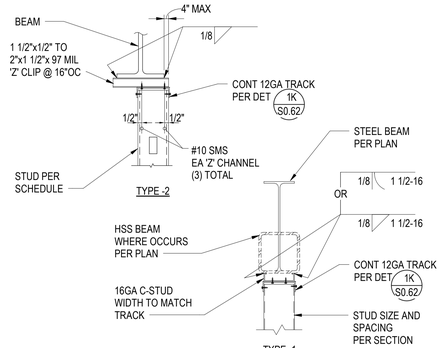
SLIP CONNECTION AT CONCRETE FILLED METAL DECK (NESTED TRACK) — 5

SCALE: NTS

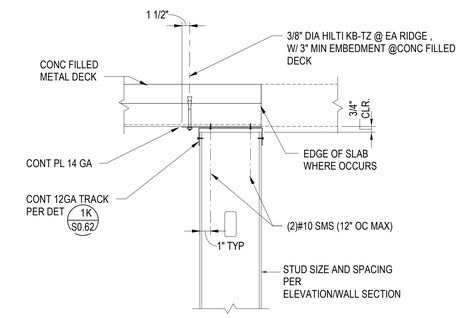


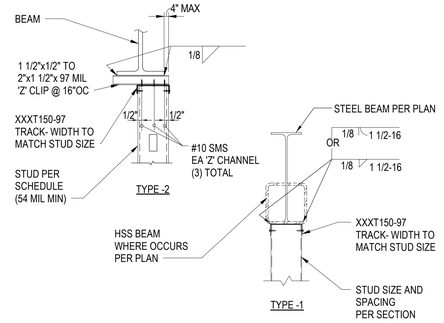
CONNECTION TO STEEL BEAM — 3

SCALE: NTS



(B) SLIP CONNECTION



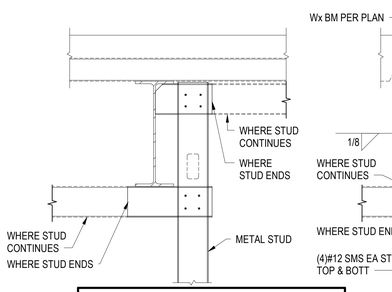


(A) RIGID CONNECTION

SLIP CONNECTION WHERE NOTED ON PLAN & WHERE VERTICAL STUD IS HARD CONNECTED TO THE STRUCTURE AT LOWER LEVEL

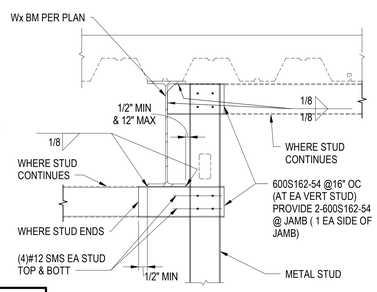
NOTE:
FOR BALANCE OF INFO NOT SHOWN SEE DET 4A S0.63

RIGID CONNECTION (B) DECK FLUTES RUNNING PERPENDICULAR TO VERT STUDS



NOTE:
FOR BALANCE OF INFO NOT SHOWN SEE DET (A)

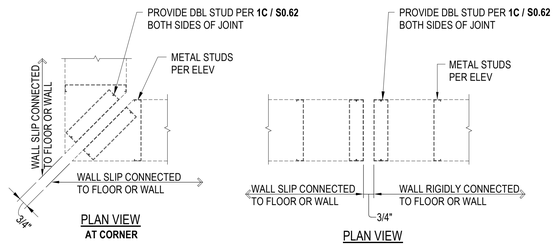
RIGID CONNECTION (A) DECK FLUTES RUNNING PARALLEL TO VERT STUDS



METAL STUD HEADER TO HSS — 8

SCALE: NTS

NOTE:
SEE ARCHITECTURAL DETAILS FOR ADDITIONAL REQUIREMENTS AT JOINT.

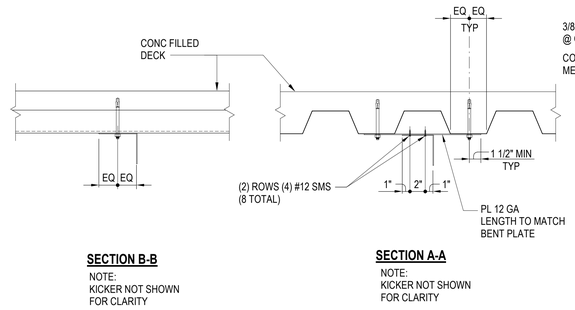


TYPICAL VERTICAL JOINT AT METAL STUDS — 7

SCALE: NTS

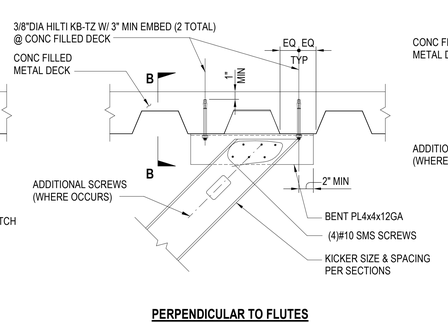
TYPICAL STUD SLOTTED CONNECTION DETAIL — 4C

SCALE: NTS



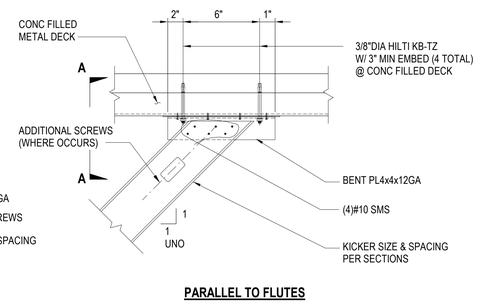
TYPICAL STUD HANGER — 4

SCALE: NTS



TYPICAL KICKER TO BEAM CONNECTION — 2

SCALE: NTS



TYPICAL KICKER TO DECK CONNECTION — 1

SCALE: NTS

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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FACILITY:
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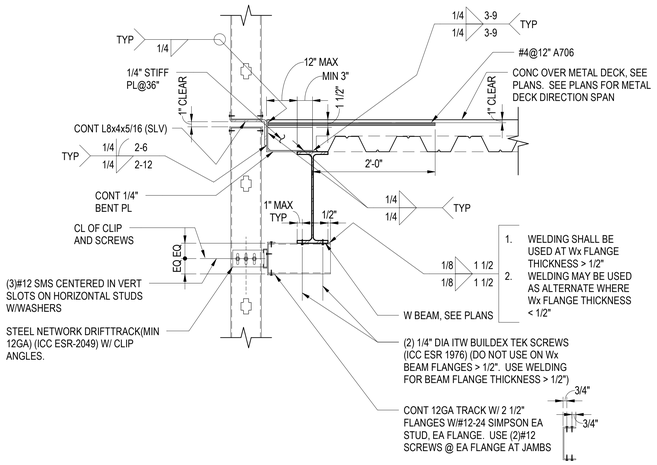
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
TYPICAL DETAILS - METAL STUD WALL AT CONCRETE FILLED DECK

DSA APPROVAL
FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

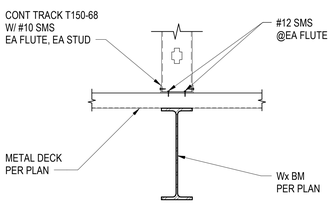
S0.63



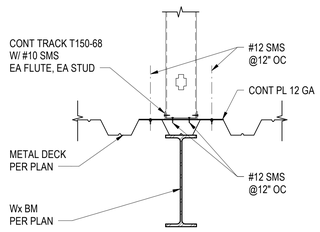
1. WELDING SHALL BE USED AT Wx FLANGE THICKNESS > 1/2"
2. WELDING MAY BE USED AS ALTERNATE WHERE Wx FLANGE THICKNESS < 1/2"

NOTES:
1. ALIGN TOP OF CONT BENT PLATE WITH TOP OF CONCRETE OVER METAL DECK.

TYPICAL EXTERIOR STUD ATTACHMENT TO LEDGER ANGLE 6
SCALE: NTS



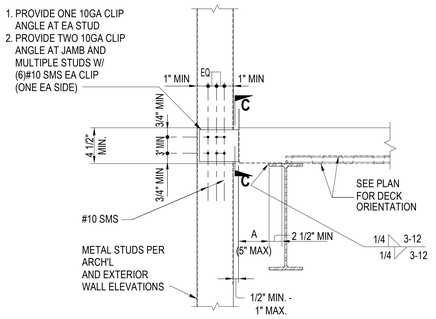
PERPENDICULAR TO FLUTES



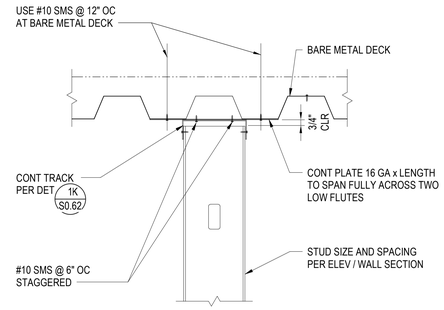
PARALLEL TO FLUTES

STUD CONNECTION TO BARE METAL DECK 3
SCALE: NTS

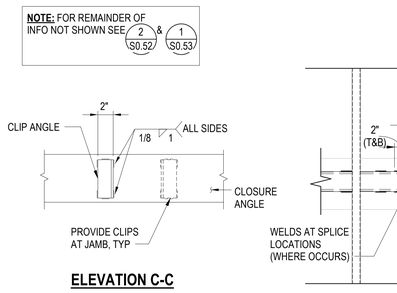
1. PROVIDE ONE 10GA CLIP ANGLE AT EA STUD
2. PROVIDE TWO 10GA CLIP ANGLE AT JAMB AND MULTIPLE STUDS W/ (6)#10 SMS EA CLIP (ONE EA SIDE)



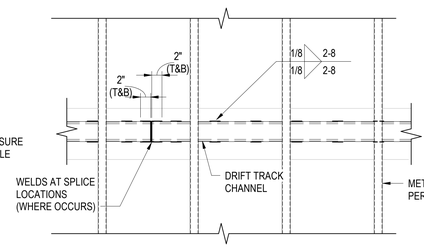
B FIXED CONNECTION



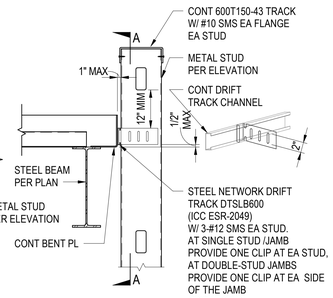
PARALLEL TO FLUTES



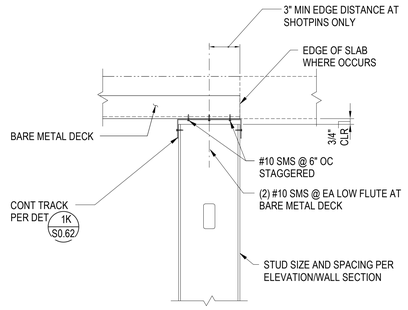
ELEVATION C-C



ELEVATION A-A



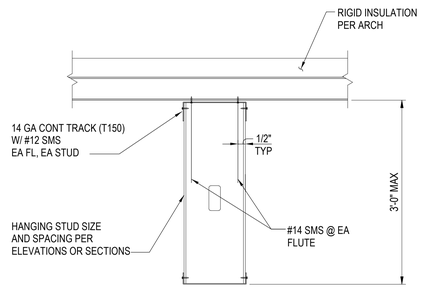
DRIFT / SLIP CLIP AT SLAB EDGE A



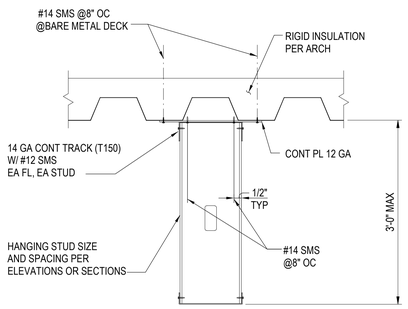
PERPENDICULAR TO FLUTES

TYPICAL EXTERIOR STUD ATTACHMENT TO SLAB 4
SCALE: NTS

SLIP CONNECTION AT BARE METAL DECK (NESTED TRACK) 2
SCALE: NTS



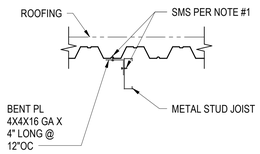
PERPENDICULAR TO FLUTES



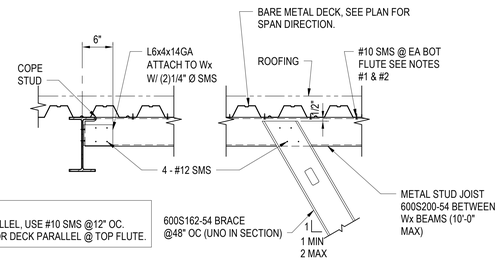
PARALLEL TO FLUTES

NOTE: THIS DETAIL SHALL BE USED FOR INTERIOR SOFFIT CONDITION WITH MAXIMUM HEIGHT OF 3'-0" AND NOT MORE THAN 3'-0" WIDE HARD LID HANGING LOAD. SOFFIT LOADING SHALL CONSIST OF DRY WALL LOADING ONLY. USE DETAIL **1** / **S0.66** FOR ALL OTHER CONDITIONS INCLUDING EXTERIOR CONDITIONS.

RIGID (HANGING) CONNECTION BARE METAL DECK 5
SCALE: NTS



B CONDITION WHERE METAL STUD JOIST & KICKER ARE PARALLEL TO DECK SEE **A** FOR BALANCE OF INFO)



NOTES:
1. WHERE DECK IS PARALLEL, USE #10 SMS @12" OC.
2. SEE DETAIL ABOVE FOR DECK PARALLEL @ TOP FLUTE.

A CONDITION WHERE METAL STUD JOIST & KICKER ARE PERPENDICULAR TO DECK

TYPICAL STUD TO BEAM & BRACE CONNECTION AT BARE METAL DECK 1
SCALE: NTS

8/5/2021 6:27:01 AM

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DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

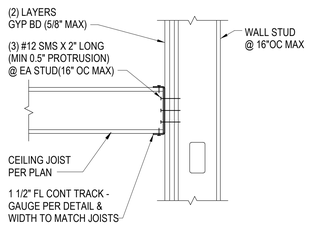
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

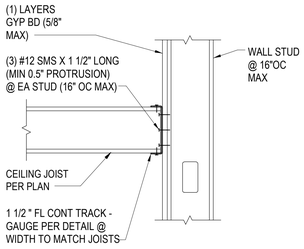
S0.64

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



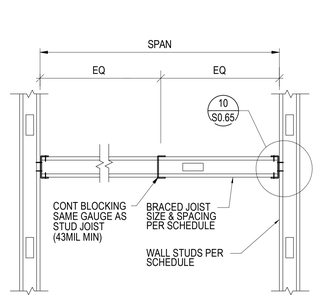
CEILING JOIST CONN TO WALL THROUGH 2-LAYERS OF GYP (B)



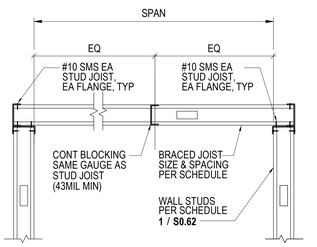
CEILING JOIST CONN TO WALL THROUGH 1-LAYERS OF GYP (A)

TYPICAL CEILING JOISTS CONN TO CONT STUD WALL 11

SCALE: NTS



CONDITION B



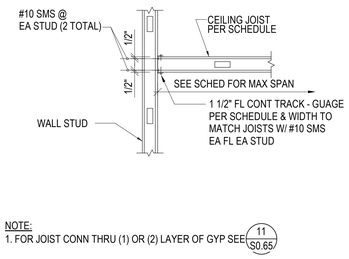
CONDITION A
CEILING JOIST BRACED AT MID SPAN

CEILING JOIST SCHEDULE		
STUD JOIST SIZE & SPACING	JOISTS BRACED AT MIDSPAN	
	MAX SPAN	TRACK THICKNESS
250S162-43 @ 24"OC	6'-0"	54 MIL
400S162-43 @ 24"OC	9-0"	54 MIL
400S200-43 @ 16"OC	12'-0"	54 MIL

NOTE:
1. THE SCHEDULE IS FOR INTERIOR CEILING ONLY.
2. USE 600S162-43 @16" OC FOR EXTERIOR SOFFITS. MAX SPAN SHALL NOT EXCEED 8'-0".

TYPICAL HARD LID CEILING FRAMING 12

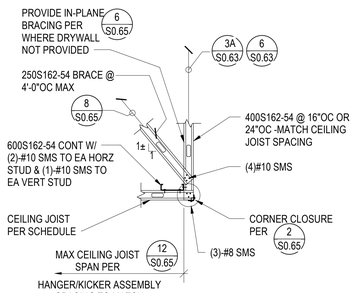
SCALE: NTS



NOTE:
1. FOR JOIST CONN THRU (1) OR (2) LAYER OF GYP SEE (11 / S0.65)

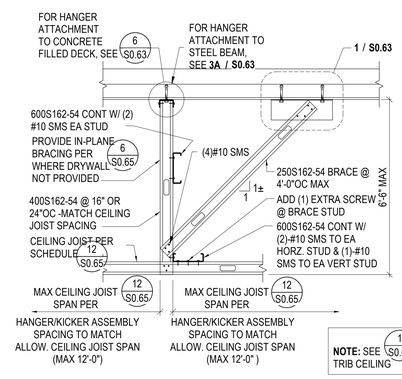
TYP. CEILING JOIST CONNECTION TO INTERIOR WALL 10

SCALE: NTS



TYPICAL HARD FRAMED LID AT END OF DROP SUPPORT 9

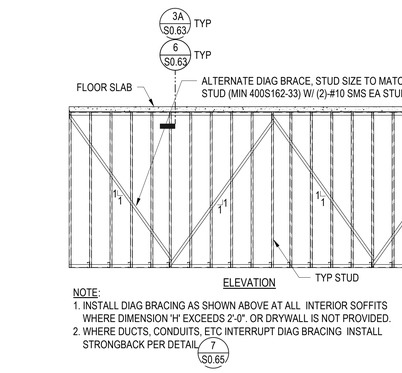
SCALE: NTS



NOTE: SEE (1 / S0.65) FOR EXAMPLES OF TRIB CEILING

TYPICAL HARD FRAMED LID AT DROP SUPPORT 8

SCALE: NTS

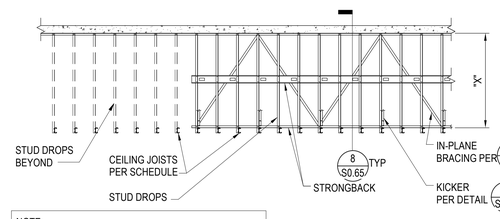


ELEVATION

NOTE:
1. INSTALL DIAG BRACING AS SHOWN ABOVE AT ALL INTERIOR SOFFITS WHERE DIMENSION 'H' EXCEEDS 2'-0". OR DRYWALL IS NOT PROVIDED.
2. WHERE DUCTS, CONDUITS, ETC INTERRUPT DIAG BRACING INSTALL STRONGBACK PER DETAIL (7 / S0.65)

TYPICAL INTERIOR SOFFIT IN-PLANE BRACING 6

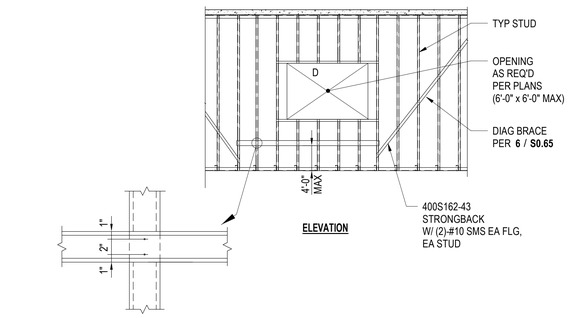
SCALE: NTS



NOTE:
1. STUD DROPS MUST ALIGN IN PLAN A DISTANCE 'X' IF DETAIL (6 / S0.65) OR (7 / S0.65) IS TO BE USED.
2. FOR STUD DROPS THAT DO NOT ALIGN PER NOTE 1 PROVIDE BRACE SIMILAR TO (8 / S0.65)

TYPICAL HARD LID CEILING SECTION PERPENDICULAR TO CEILING JOIST 5

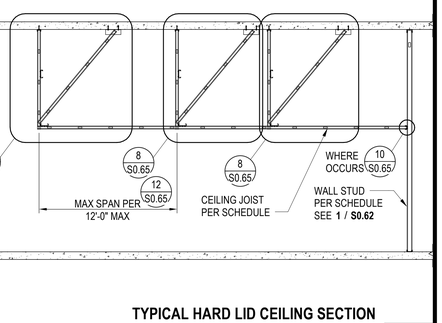
SCALE: NTS



TYP STRONGBACK TO STUD CONN

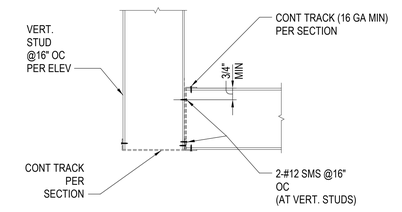
ALTERNATE TYPICAL INTERIOR SOFFIT IN-PLANE BRACING 7

SCALE: NTS



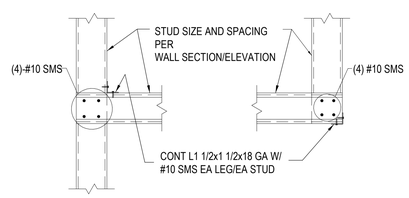
TYPICAL HARD LID CEILING SECTION PARALLEL TO CEILING JOIST 4

SCALE: NTS



TYPICAL STUD TO STUD CONNECTION 3

SCALE: NTS

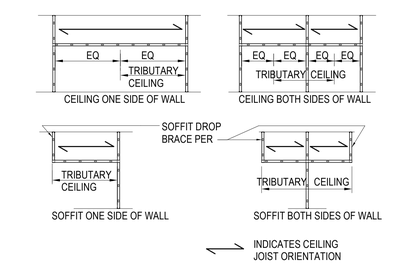


INTERIOR CORNER DETAIL

EXTERIOR CORNER DETAIL

SOFFIT EDGE DETAIL 2

SCALE: NTS



EXAMPLES OF TRIBUTARY CEILING 1

SCALE: NTS

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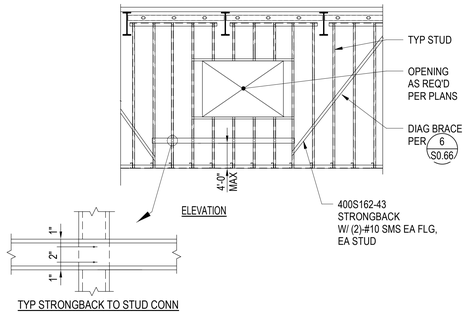
PLEASE RECYCLE

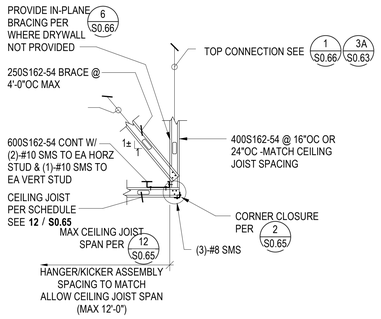
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF THIS SHEET IS ORIGINAL SIZE



TYP STRONGBACK TO STUD CONN

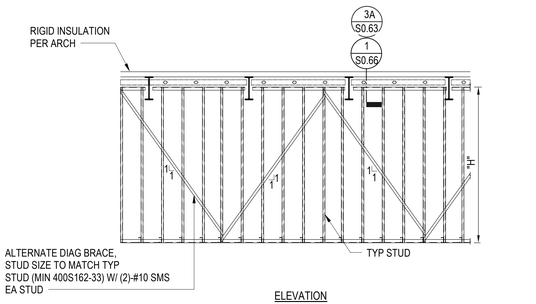
ALTERNATE TYPICAL INTERIOR SOFFIT IN-PLANE BRACING 7

SCALE: NTS



TYPICAL HARD FRAMED LID AT END OF DROP SUPPORT 3

SCALE: NTS

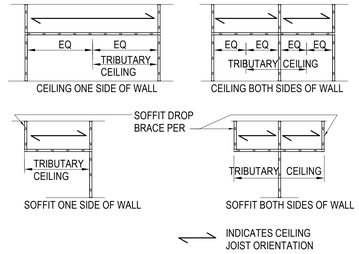


ELEVATION

NOTE:
1. INSTALL DIAG BRACING AS SHOWN ABOVE AT ALL INTERIOR SOFFITS WHERE DIMENSION 'H' EXCEEDS 2'-0". OR DRYWALL IS NOT PROVIDED.
2. WHERE DUCTS, CONDUITS, ETC INTERRUPT DIAG BRACING INSTALL STRONGBACK PER 7 S0.66 DETAIL

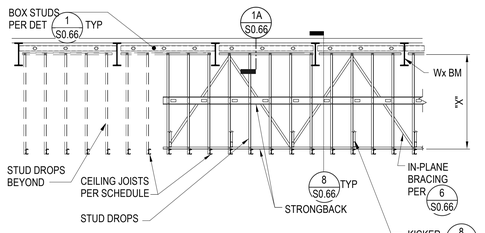
TYPICAL INTERIOR SOFFIT IN-PLANE BRACING 6

SCALE: NTS



EXAMPLES OF TRIBUTARY CEILING 2

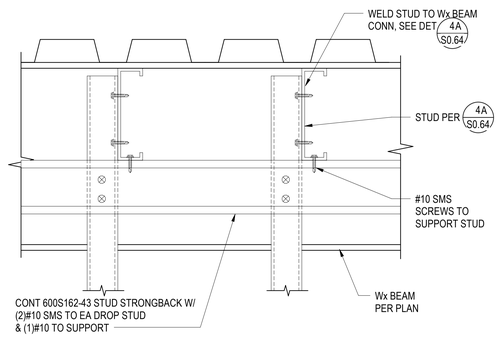
SCALE: NTS



NOTE:
1. STUD DROPS MUST ALIGN IN PLAN A MIN DISTANCE 'X' IF DETAIL 6 S0.66 OR 7 S0.66 IS TO BE USED.
2. FOR STUD DROPS THAT DO NOT ALIGN PER NOTE 2 PROVIDE BRACE SIMILAR TO 8 S0.66

TYPICAL HARD LID CEILING SECTION W/ CEILING JOIST PARALLEL TO MAIN Wx BEAM 5

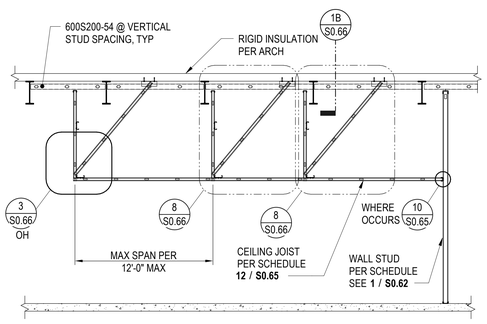
SCALE: NTS



B **CONDITION WHERE HANGING STUD WALL IS PARALLEL TO MAIN Wx BEAMS**

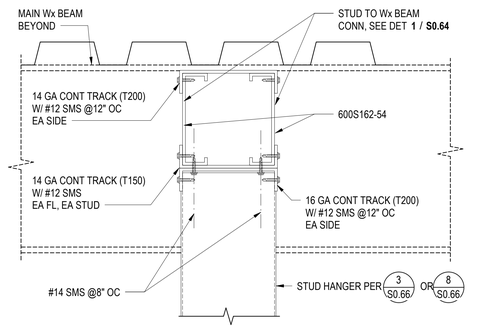
TYPICAL HARD FRAMED LID AT DROP SUPPORT 8

SCALE: NTS



TYPICAL HARD LID CEILING SECTION W/ CEILING JOIST PERPENDICULAR TO MAIN Wx BEAM 4

SCALE: NTS



A **CONDITION WHERE HANGING STUD WALL IS PERPENDICULAR TO MAIN Wx BEAMS**

NOTE:
SEE DETAIL 1 / S0.64 FOR STUD TO BEAM & DECK CONNECTION

HANGING CONNECTION DETAIL 1

SCALE: NTS

8/5/2021 6:27:09 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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Δ	DESCRIPTION	DATE

KEYNOTES

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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

TYPICAL DETAILS - METAL STUD WALL TO BARE METAL DECK

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

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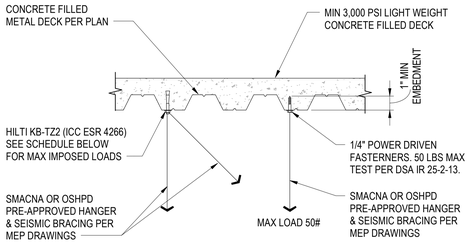
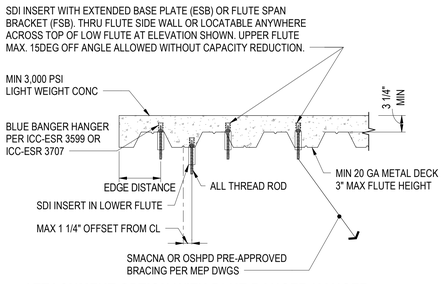
S0.66



ANCHOR SIZE	MIN DECK THICKNESS	MIN EFFECTIVE EMBEDMENT	MAX ALLOWABLE LOADS IMPOSED (LBS)
3/8"	4 1/2"	2 3/4"	450
1/2"	4 1/2"	2"	275
5/8"	4 1/2"	3 1/8"	375
1/2"	6 1/4"	3 1/4"	510
5/8"	6 1/4"	4"	900
3/4"	6 1/4"	3 1/8"	610

NOTE: THE MAX ALLOWABLE IMPOSED LOADS INDICATED ABOVE SHALL NOT EXCEED VALUES INDICATED IN SCHEDULE ON (3/S0.70) FOR ANY CONDITION

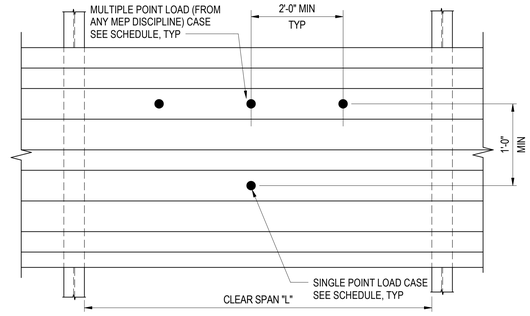
ATTACHMENT OPTION WITH POST-INSTALLED ANCHORS (B)



ATTACHMENT OPTION WITH BLUE BANGER HANGER SDI INSERT (MAX ALLOWABLE LOAD = 800LBS) (A)

TYPICAL BLUE BANGER SHOT PIN, AND SDI INSERT HANGER ATTACHMENT CONNECTION REQUIREMENTS & LOADING LIMITS

SCALE: NTS **4**



PARTIAL FLOOR / ROOF CONCRETE-METAL DECK PLAN

NOTES:
1. THE SCHEDULE BELOW PROVIDES CRITERIA FOR MAXIMUM POINT LOAD(S) THAT CAN BE IMPOSED ON CONCRETE-METAL DECK FOR GRAVITY AND/OR SEISMIC SUPPORT OF MEP PIPES, DUCTS, CABLE TRAPEZES, OR OTHER MEP DISTRIBUTION SYSTEMS. THE LOAD INFORMATION APPLIES TO ONE FLUTE (I.E. 1'-0" WIDE) OF DECK.
2. MAX LOADING IN SCHEDULE BELOW IS FOR MEP DISTRIBUTION SYSTEMS ONLY AND DOES NOT INCLUDE CEILING AND MISCELLANEOUS LIGHT DECK ATTACHMENTS.
3. LOADING SCHEDULE BELOW IS FOR COMPOSITE CONC/METAL DECK AND DOES NOT PERMIT BARE METAL DECK LOADING
4. WHERE THE MAXIMUM IMPOSED LOAD EXCEEDS THE MAXIMUM POINT LOAD INDICATED IN THE SCHEDULE BELOW, THE MEP ANCHORAGE POINT MAY BE DESIGNED TO ENGAGE ONE ADDITIONAL FLUTE (I.E. SPREAD THE POINT LOAD OVER 2'-0").
5. LOAD DIRECTION MAY BE UP OR DOWN.
6. SUMMATION OF ALL POINT LOADS IN ONE FLUTE SHALL NOT EXCEED THE LIMIT PROVIDED IN THE SCHEDULE
7. ALL LOADS ARE SERVICE LEVEL.
8. THE MAX POINT LOAD IMPOSED SHALL NOT EXCEED THE VALUES INDICATED IN THE SCHEDULE ON (4/S0.70)

TYPICAL FLOOR / TYPICAL MECHANICAL ROOF CONCRETE-METAL DECK MEP POINT LOAD SCHEDULE		
CLEAR SPAN "L" (FT)	MAX POINT LOAD (LB) FOR TYPICAL CONDITION	MAX POINT LOAD (LB) AT DEPRESSION
9'-0"	800	800
10'-0"	700	600
10'-6"	600	600
11'-0"	600	500
12'-0"	400	400

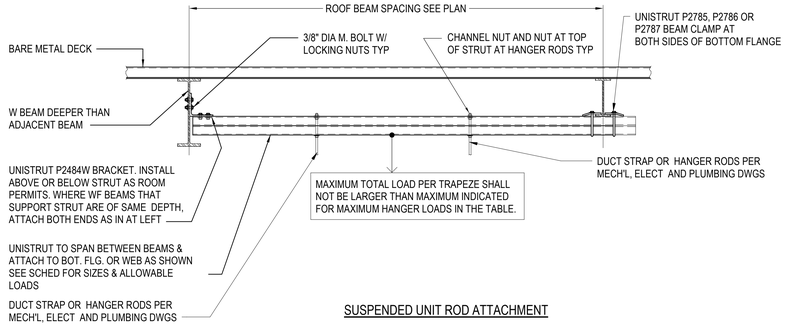
GC TO COORDINATE POINT LOADS FROM MEP DISCIPLINES AND ENSURE THAT POINT LOADS ARE WITHIN THE MAXIMUM LIMIT AS PER THE SCHEDULE

TYPICAL MEP POINT LOAD SCHEDULE FOR FLOOR/ROOF CONCRETE-METAL DECK DETAIL

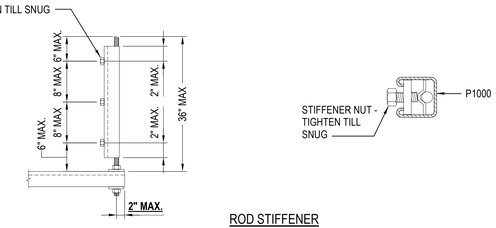
SCALE: NTS **3**

NOTES:
1. MAXIMUM ALLOWABLE HANGING LOADS TO BE AS FOLLOWS (MAXIMUM HANGER LOAD MAY BE FROM A SINGLE HANGER LOAD OR THE TOTAL LOAD FROM ALL HANGERS SUPPORTED BY THE SAME STRUT).
2. MAXIMUM TOTAL LOAD PER TRAPEZE SHALL NOT BE LARGER THAN MAXIMUM INDICATED FOR MAXIMUM HANGER LOADS IN THE TABLE.
3. SPACE TRAPEZE AS REQUIRED TO ENSURE MAXIMUM HANGER LOAD PER TABLE IS NOT EXCEED (MAX SPACING SHALL NOT EXCEED 12'-0"). THE MAXIMUM SPACING SHALL NOT EXCEED THOSE INDICATED ON THE DRAWINGS INCLUDING MEP & ARCH'L.
4. DO NOT SUSPEND PIPING OVER 1 1/2" DIAMETER, DUCTS LARGER THAN 12"x16" (OR EQUIVALENT PERIMETER) OR OTHER LOADS WITH EXCEPTION OF SUSPENDED ACOUSTICAL CEILINGS AND INTEGRALLY SUPPORTED LIGHT FIXTURES FROM BARE ROOF DECKING, OR BARE METAL DECK W/ INSULATING CONCRETE FILL.

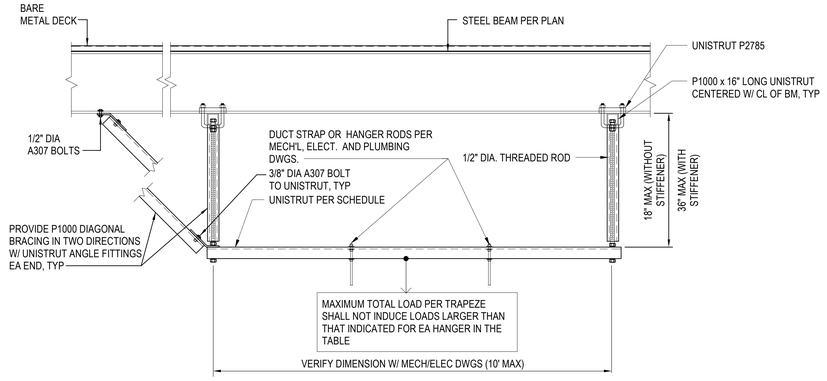
UNISTRUT SCHEDULE SIZE AND LOAD TABLE		
UNISTRUT SIZE	BEAM SPACING	MAX. TOTAL HANGER LOADS
P1000	10'-0" MAX.	60 LBS.
P1001	10'-0" MAX.	305 LBS.
P5000	10'-0" MAX.	142 LBS.
P5001	10'-0" MAX.	825 LBS.



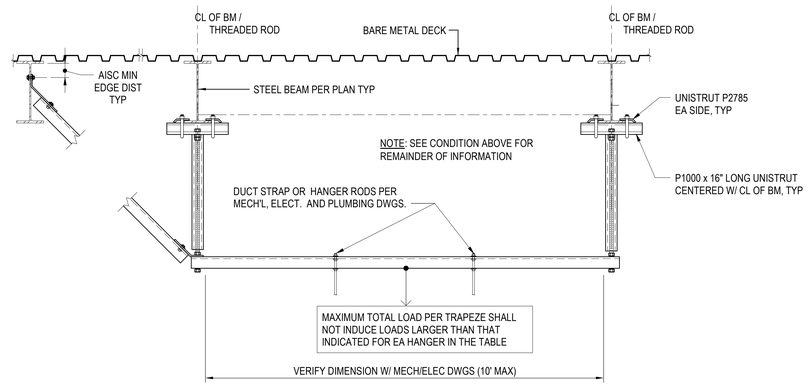
SUSPENDED UNIT ROD ATTACHMENT



ROD STIFFENER



TRAPEZE PARALLEL TO FRAMING



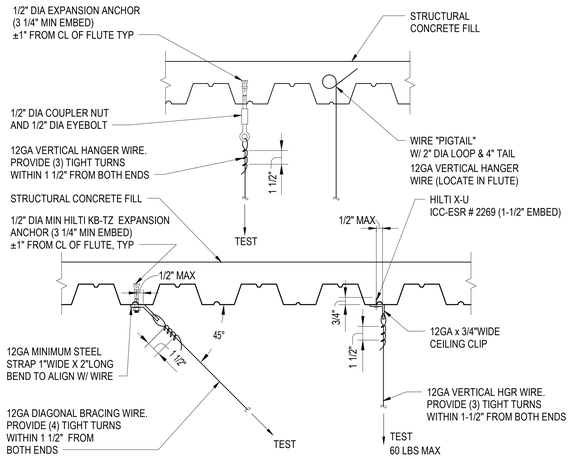
TRAPEZE PERPENDICULAR TO FRAMING

UNISTRUT SUPPORT DETAIL FOR MEP SUSPENDED ELEMENTS

SCALE: NTS **1**

NOTES:
1. ALTERNATIVE SUSPENSION METHODS TO THOSE INDICATED ARE NOT ALLOWED UNLESS APPROVED BY THE ARCHITECT (STRUCTURAL ENGINEER) & IOR.
2. TENSION TEST ALL MECHANICAL HANGER ANCHORAGES PER DSA IR 25-2.13
3. USE DETAIL (1/S0.70) FOR CONDITIONS WHERE BARE DECK OCCURS. DO NOT USE THIS DETAIL AT BARE DECK.
4. USE DETAIL (1/S0.70) FOR CONDITIONS WHERE HANGING LOADS ARE IN EXCESS OF THAT ALLOWED BY THIS DETAIL.

TESTING NOTES: (PER IR 25-2.13)
1. PULL TEST 1 IN 10 HANGER WIRE/ANCHOR ASSEMBLIES FOR DRILLED-IN OR SHOT-IN CONCRETE ANCHORS TO 200 LBS.
2. PULL TEST 1 IN 2 BRACING WIRE/ANCHOR ASSEMBLIES FOR DRILLED-IN CONCRETE ANCHORS TO 440 LBS (SHOT-IN CONCRETE ANCHORS ARE NOT PERMITTED FOR BRACING WIRES).



NOTE: THE TENSION WIRES SHALL BE PROVIDED IN TWO ORTHOGONAL DIRECTION.

TYPICAL CEILING HANGER AND SWAY WIRE TO FLOOR WITH CONCRETE OVER DECK

SCALE: NTS **2**

8/5/2021 6:27:12 AM

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PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
TYPICAL DETAILS - UNISTRUT

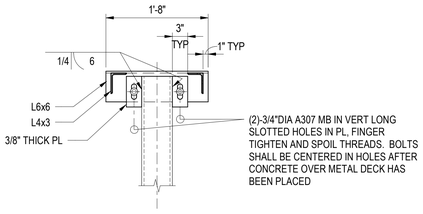
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

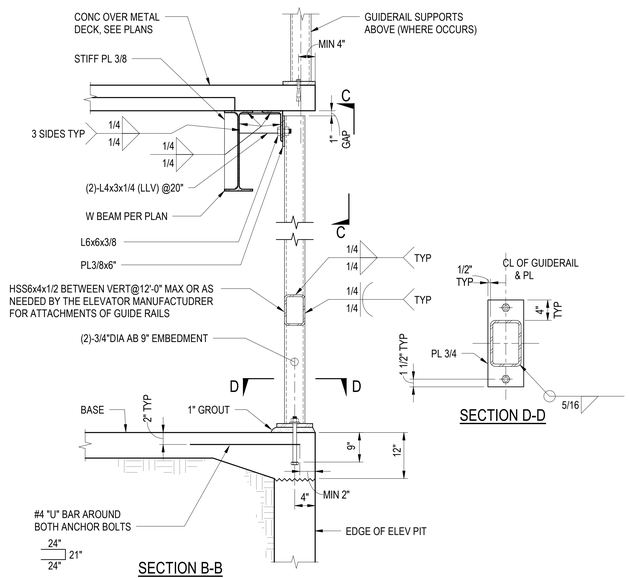
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S0.70

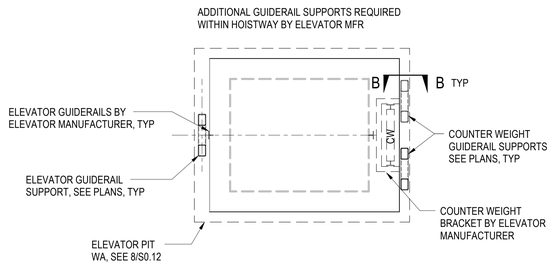


DETAIL C-C



SECTION B-B

SECTION D-D



NOTE:
1. LONG DIMENSION OF TUBE IS PARALLEL TO SHAFT WALL
2. CONTRACTOR TO COODINATE LOCATION OF GUIDERAIL SUPPORTS W/ELEVATOR MANUFACTURER
3. CONNECTION OF GUIDE RAILS TO ELEVATOR GUIDERAIL SUPPORTS BY ELEVATOR MANUFACTURER

SCHEMATIC ELEVATOR PLAN AT BASE (KEY PLAN)

TYPICAL ELEVATOR GUIDERAIL AND COUNTERWEIGHT GUIDERAIL SUPPORT DETAIL 1

SCALE: NTS

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TYPICAL VERTICAL TRANSPORTATION DETAILS

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FILE NO.: 36-C1 **A# : 04-119722**

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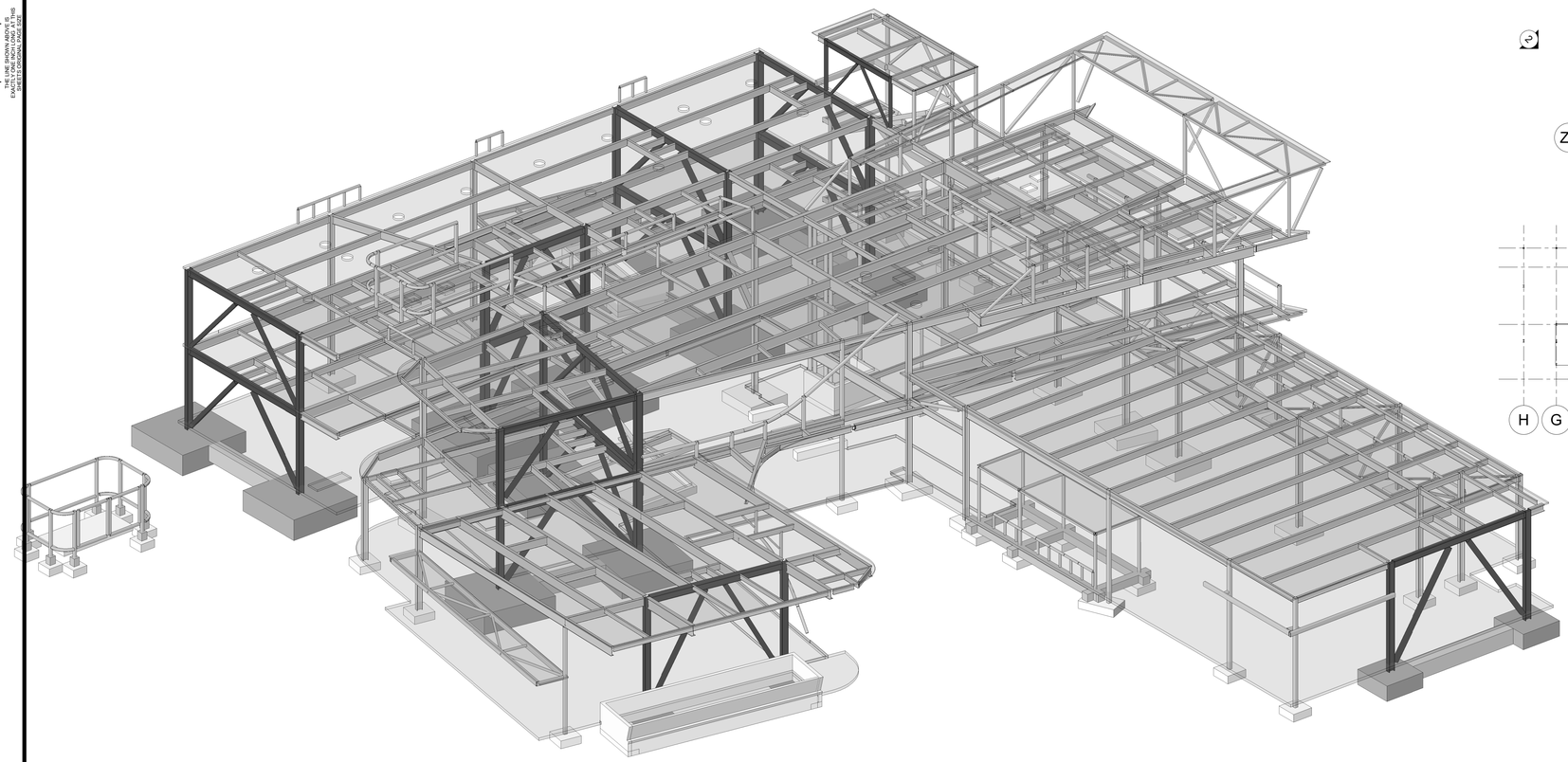
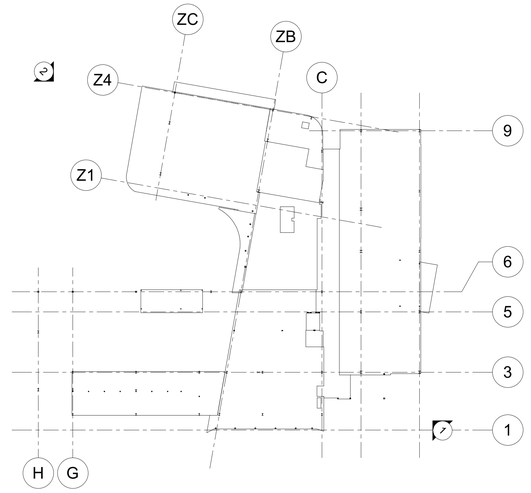
S0.91

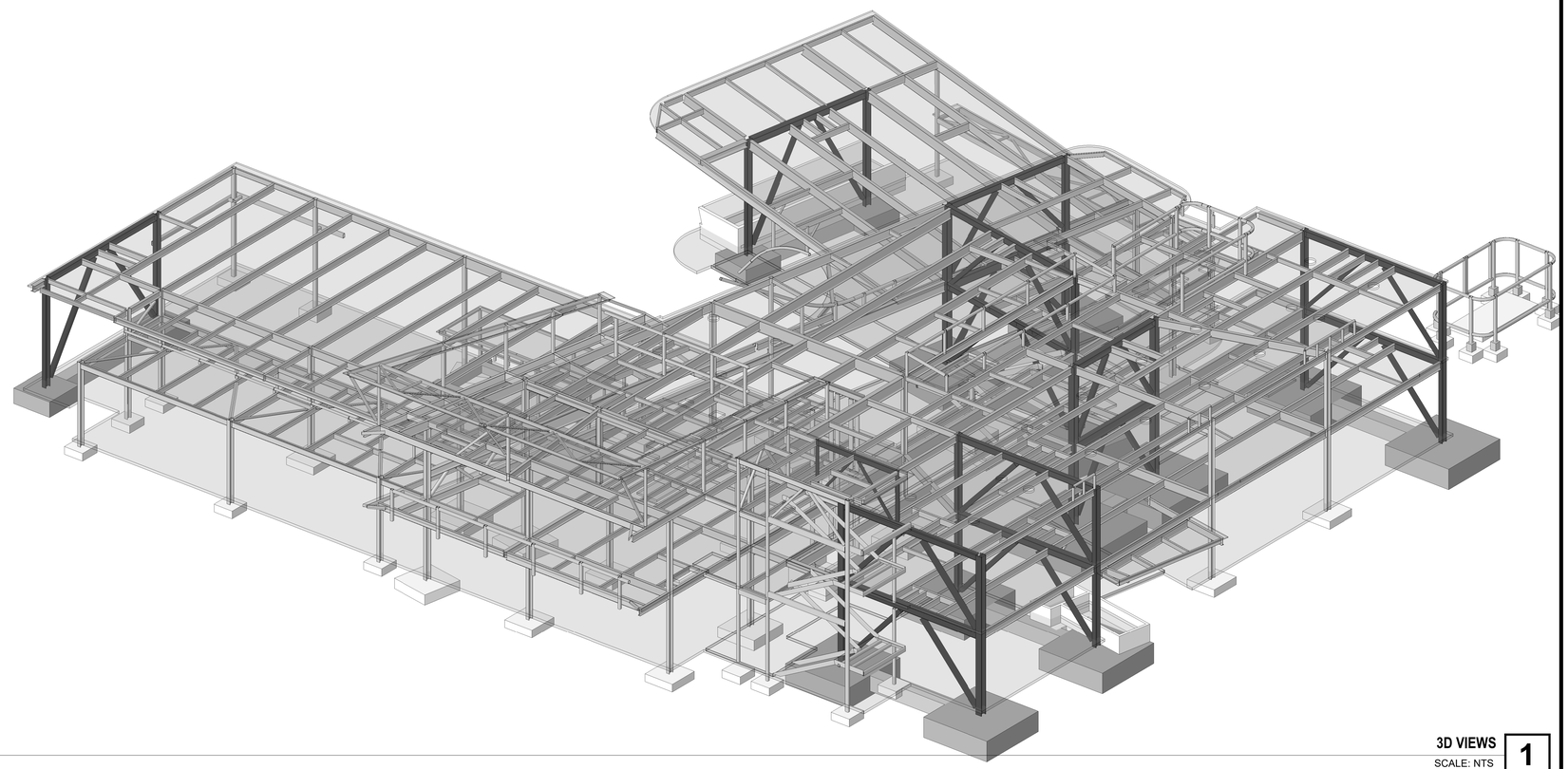
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLANS SHEETS ORIGINAL SIZE





KEYPLAN

3D VIEWS 2
SCALE: NTS



3D VIEWS 1
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PROJECT:

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3D - ISOMETRIC VIEWS

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S1.00

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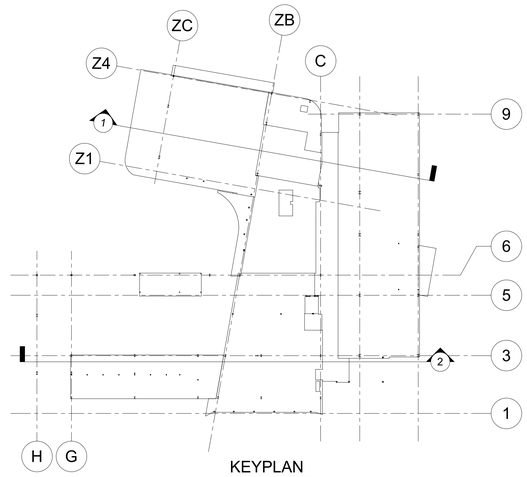

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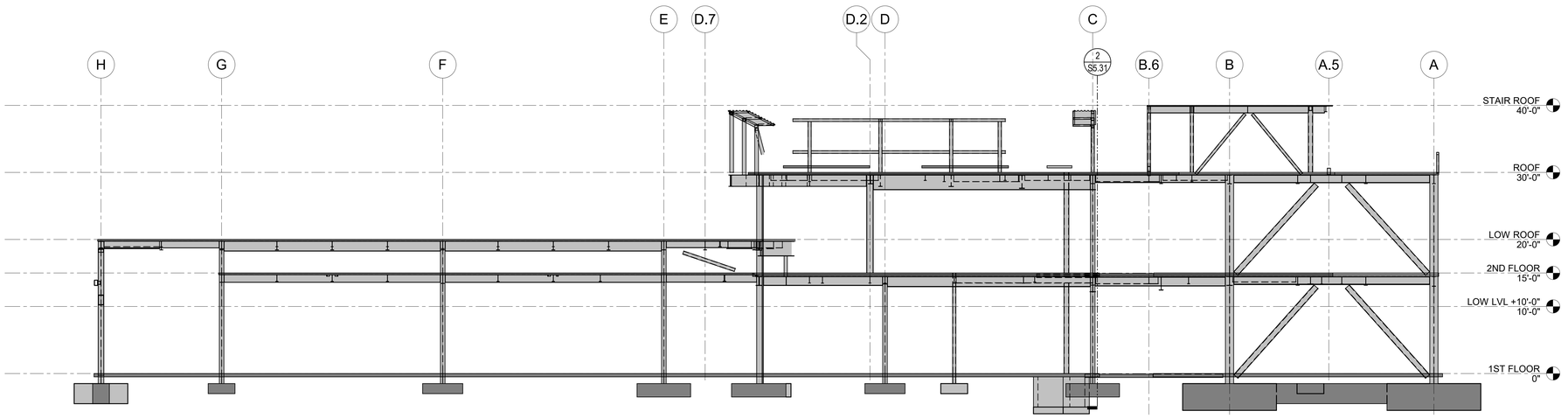
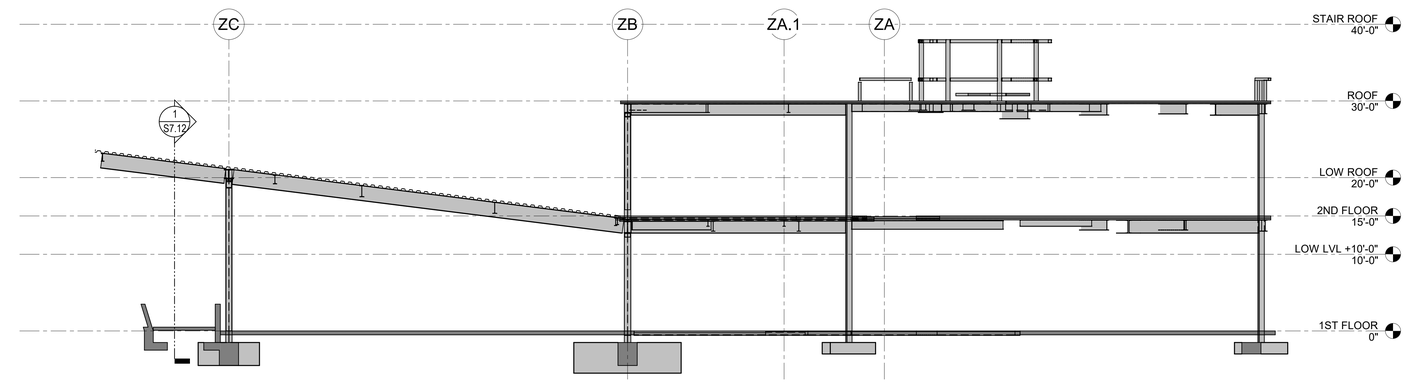


OVERALL SECTION **2**

SCALE: 1/8" = 1'-0"



OVERALL SECTION **1**

SCALE: 1/8" = 1'-0"

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OVERALL SECTIONS

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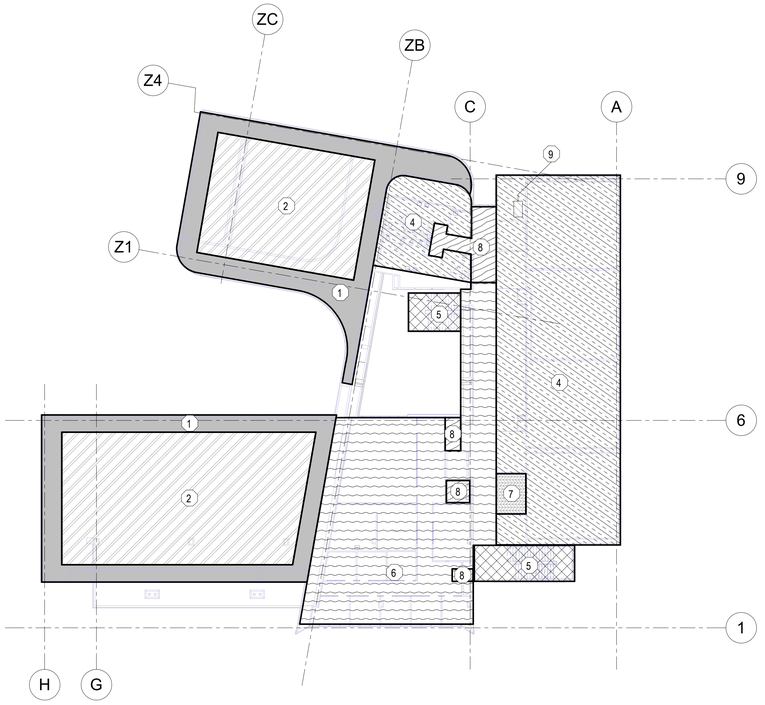
SHEET:

S1.10

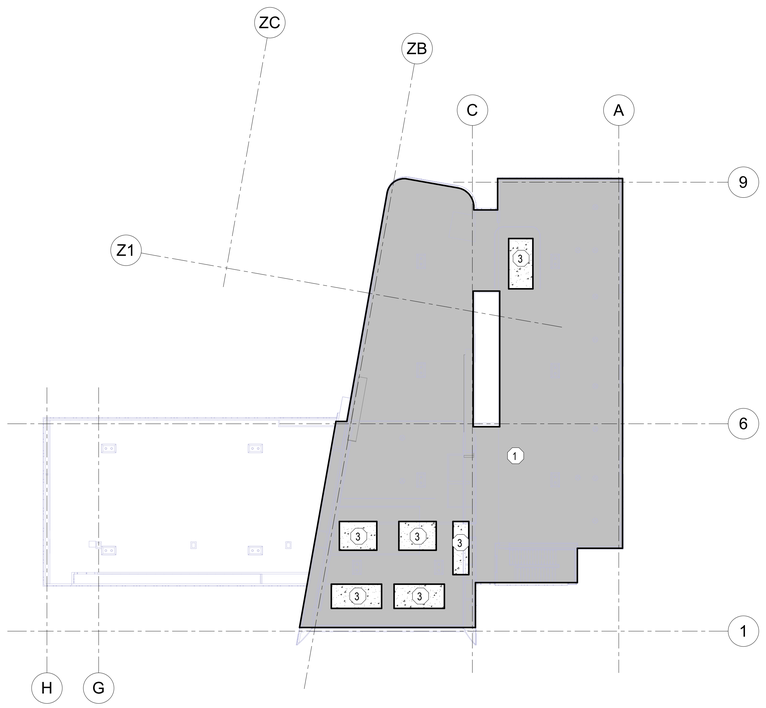
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL PAPER SIZE

LOADING DIAGRAM TABLE			
AREA DESCRIPTION	**LIVE LOAD** (FOR SLAB DESIGN)	**SUPERIMPOSED DEAD LOAD** (FOR SLAB DESIGN)	**MARK**
ROOF (NO ACCESSIBLE)	20 PSF (REDUCIBLE)	18 PSF	1
ROOF W/ PV PANEL	20 PSF (REDUCIBLE)	28 PSF	2
MECHANICAL WELL	20 PSF (REDUCIBLE)	108 PSF + UNIT WEIGHT	3
RESTROOM/CLASSROOM	50 PSF (REDUCIBLE) + 15 PSF (PARTITION)	34 PSF/ 10 PSF	4
STAIR/EXIT	100 PSF (NON-REDUCIBLE)	10 PSF	5
CORRIDORS/OFFICE	81 PSF (REDUCIBLE)	22 PSF/ 10 PSF	6
STORAGE	125 PSF (NON-REDUCIBLE)	10 PSF	7
CORRIDORS/ OFFICE WITH OVER POUR	81 PSF (REDUCIBLE)	34 PSF/ 24 PSF	8
MECHANICAL PAD	50 PSF (REDUCIBLE) + 15 PSF (PARTITION)	60 PSF + UNIT WEIGHT	9



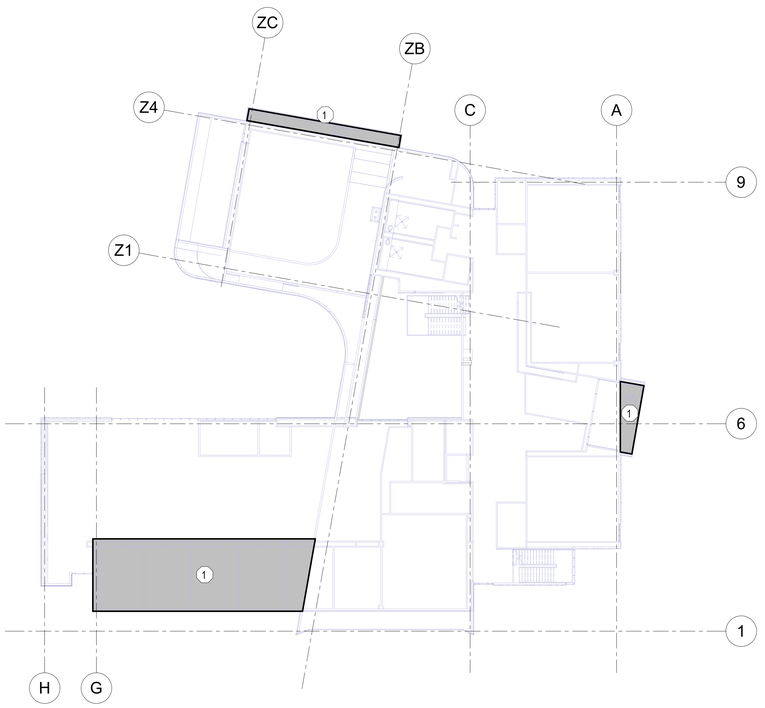
2ND FLOOR - LOADING DIAGRAM **2**

SCALE: 3/64" = 1'-0"



ROOF - LOADING DIAGRAM **3**

SCALE: 3/64" = 1'-0"



LOWER ROOF - LOADING DIAGRAM **1**

SCALE: 3/64" = 1'-0"

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Chaffey College

HMC Architects

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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER MUSTAFA SAIFUL No. S 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

LOADING PLANS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S1.20

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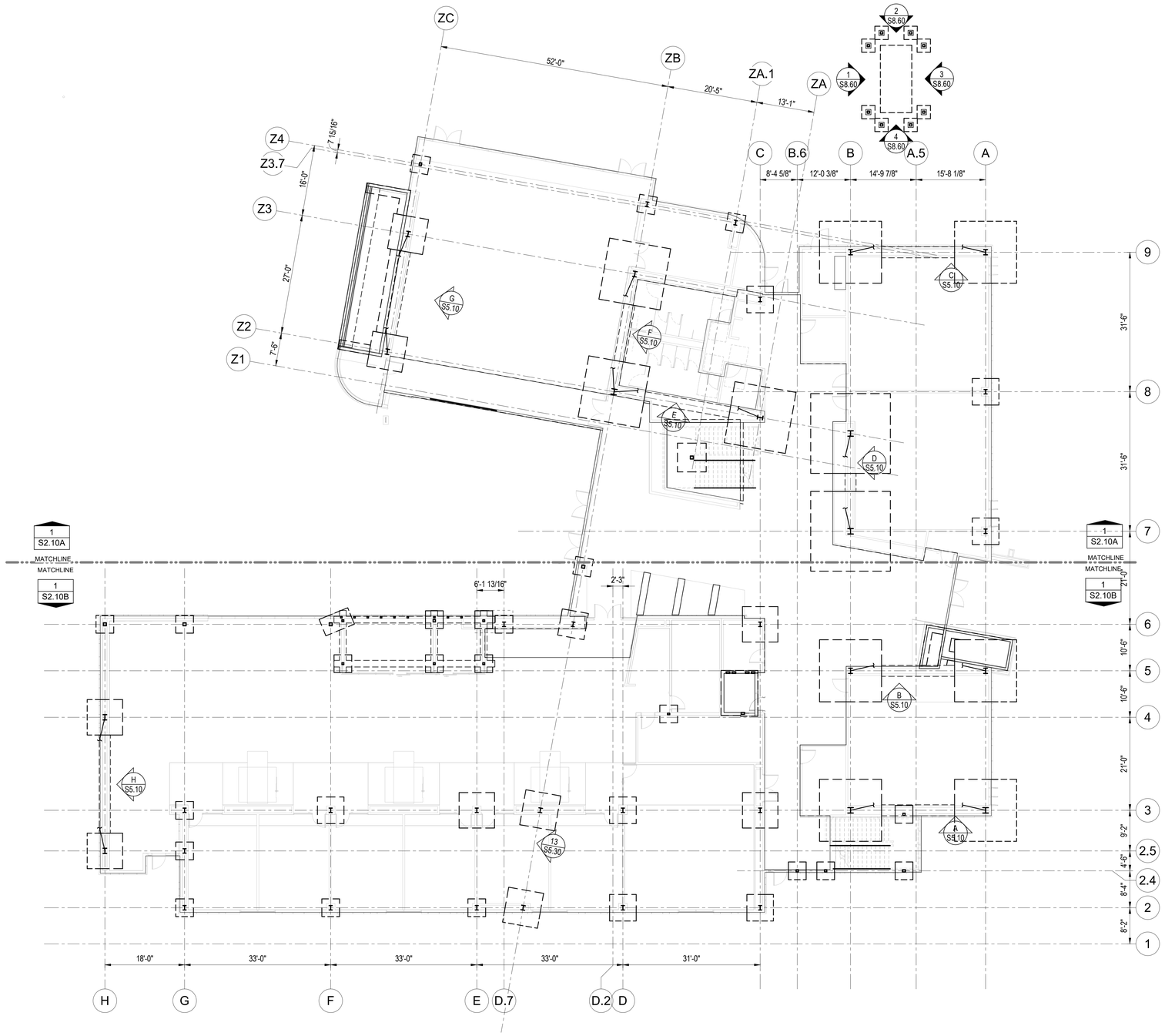
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL 24x36 SHEETS. CHECK ORIGINAL SHEET SIZE



1ST FLOOR FOUNDATION PLAN - OVERALL

SCALE: 3/32" = 1'-0"

1

TN

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KEYNOTES

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saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

1ST FLOOR FOUNDATION - OVERALL

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S2.10

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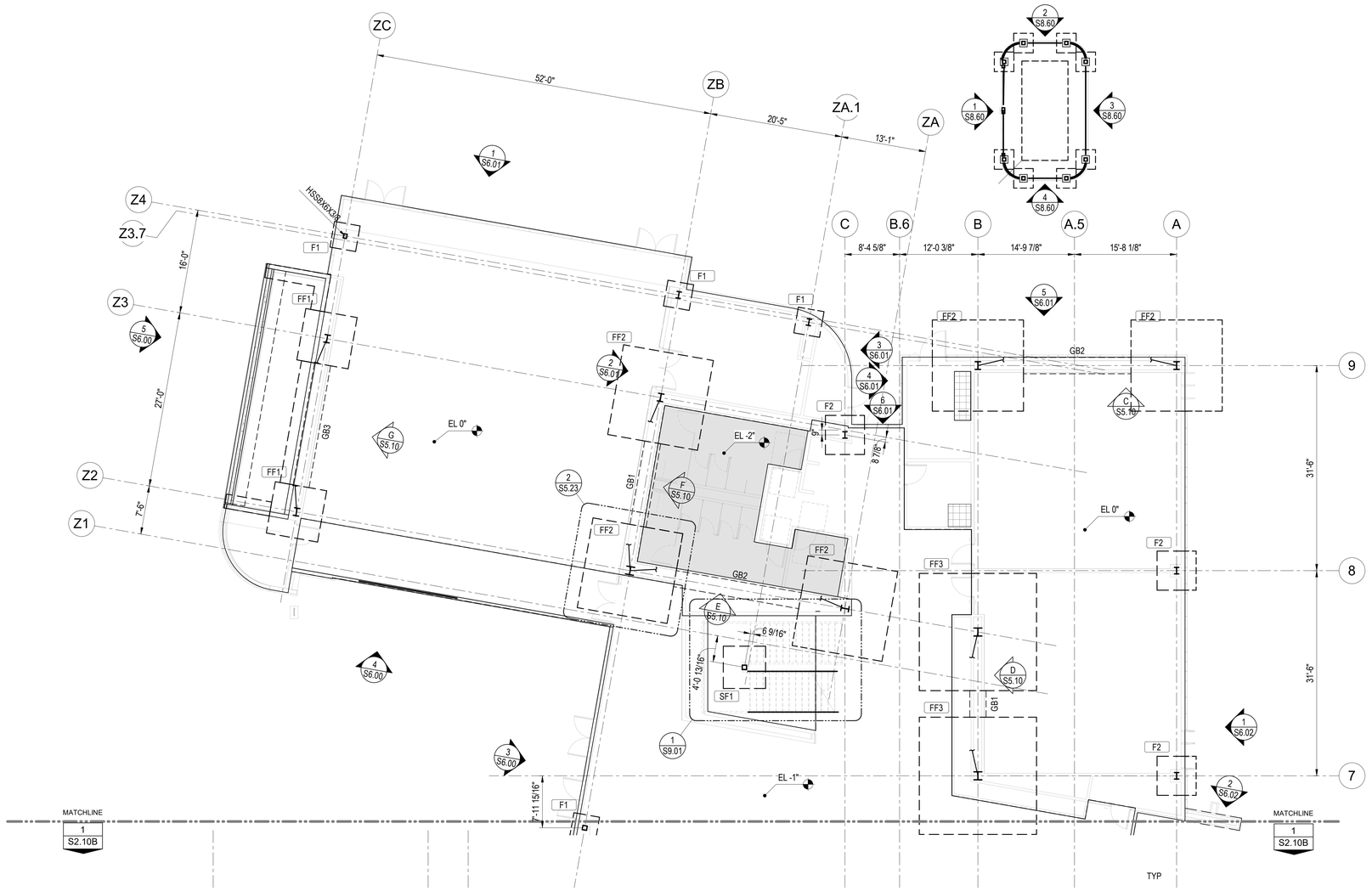

FOUNDATION PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
3. SEE ARCHITECTURAL DWGS FOR REMAINDER OF DIMENSIONS & ELEVATIONS NOT SHOWN ON STRUCT DWGS. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DWGS PRIOR TO START OF WORK.
4. VERIFY EXTENT OF EXISTING UNDERGROUND UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
5. FOUNDATION EXCAVATIONS MUST BE OBSERVED AND APPROVED BY PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACING REINFORCING STEEL.
6. LOCATE NEW SUBGRADE UTILITIES AS INDICATED ON STRUCT AND MEP DRAWINGS. IDENTIFY LOCATIONS AND INVERT ELEVATIONS OF AFFECTED EXISTING UTILITIES PRIOR TO START OF WORK. NOTIFY SEOR IF LOCATIONS ARE OTHER THAN AS NOTED, OR REQUIRE ADDITIONAL DEMO, CONSTRUCTION, OR EXCAVATION BELOW NOTED LIMIT LINES. DO NOT PENETRATE EXISTING STRUCTURE OR EXCAVATE BELOW EXISTING OR NEW FOUNDATIONS WITHOUT APPROVAL OF SEOR.
7. CENTER COLUMNS ON GRIDLINES UNO.
8. LOCATE TOP OF FOOTINGS 1'-6" BELOW LOWEST ADJACENT BUILDING SLAB ON GRADE ELEVATION OR TOP OF LOWEST ADJACENT EXTERIOR FINISH GRADE (OR FINISH PAVING) ELEVATION UNO.
9. TYPICAL SLAB ON GRADE SHALL BE AS FOLLOWS UNO:
   A. 5" CONCRETE SLAB W/ #4@18"OC EACH WAY AT CENTER OF SLAB OVER
   B. 15 MIL MOISTURE BARRIER OVER 4" MOISTENED (NOT SATURATED) CLEAN AGGREGATE OVER
   C. COMPACTED FILL PER GEOTECHINCAL REPORT.
10. PROVIDE CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLAB ON GRADE PER **5** / **S0.12** AND AS REQD PER ARCHITECTURAL DWGS.
11. PROVIDE STRUCTURAL STEEL FRAMING TO SUPPORT ELEVATOR GUIDERAILS AND ELEVATOR COUNTERWEIGHTS PER **S0.91**.

FOUNDATION LEGEND

- EL XXX'-XX" — TOP OF SLAB ELEVATION - VERIFY W/ ARCHITECTURAL DWGS
- F1 -1'-6" — SPREAD FOOTING TYPE PER **1** / **S3.01**; TOP OF FTG ELEVATION, SEE NOTE 8
- STEP IN CONTINUOUS FOOTING OR GRADE BEAM PER SYMBOL DENOTES LOCATION OF STEP AT TOP OF FOOTING
- TOF -X'-X" — TOP OF FOOTING ELEVATION RELATIVE TO TOP OF LOWEST ADJACENT BUILDING SLAB ON GRADE ELEVATION OR TOP OF LOWEST ADJACENT EXTERIOR FINISH GRADE (OR FINISH PAVING) ELEVATION, WHICHEVER IS LOWER - IF NO ELEVATION INDICATED, PLAN NOTE 8 APPLIES
- NON-FRAME STEEL COLUMN MARK - SEE COLUMN SCHEDULE ON SHEET **S4.01**.
- X" — CHANGE IN TOP OF SLAB ON GRADE ELEVATION - VERIFY DROP DISTANCES (WHERE INDICATED) W/ ARCHITECTURAL DWGS
- XX / XX — MECH UNIT NO - SEE MECH DWGS
- XXX# — MAXIMUM DESIGN OPERATING WT
- MECH PAD - SEE **2** / **S0.12**
- DEPRESSED SLAB - SEE **7D** / **S0.12** UNO
- GB1 — GRADE BEAM - SEE **4** / **S5.22**

1ST FLOOR FOUNDATION PLAN - SEGMENT A

SCALE: 1/8" = 1'-0"

1

TYP

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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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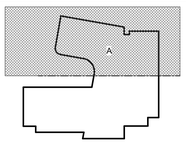
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

1ST FLOOR FOUNDATION - SEGMENT A

DSA APPROVAL

FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

S2.10A

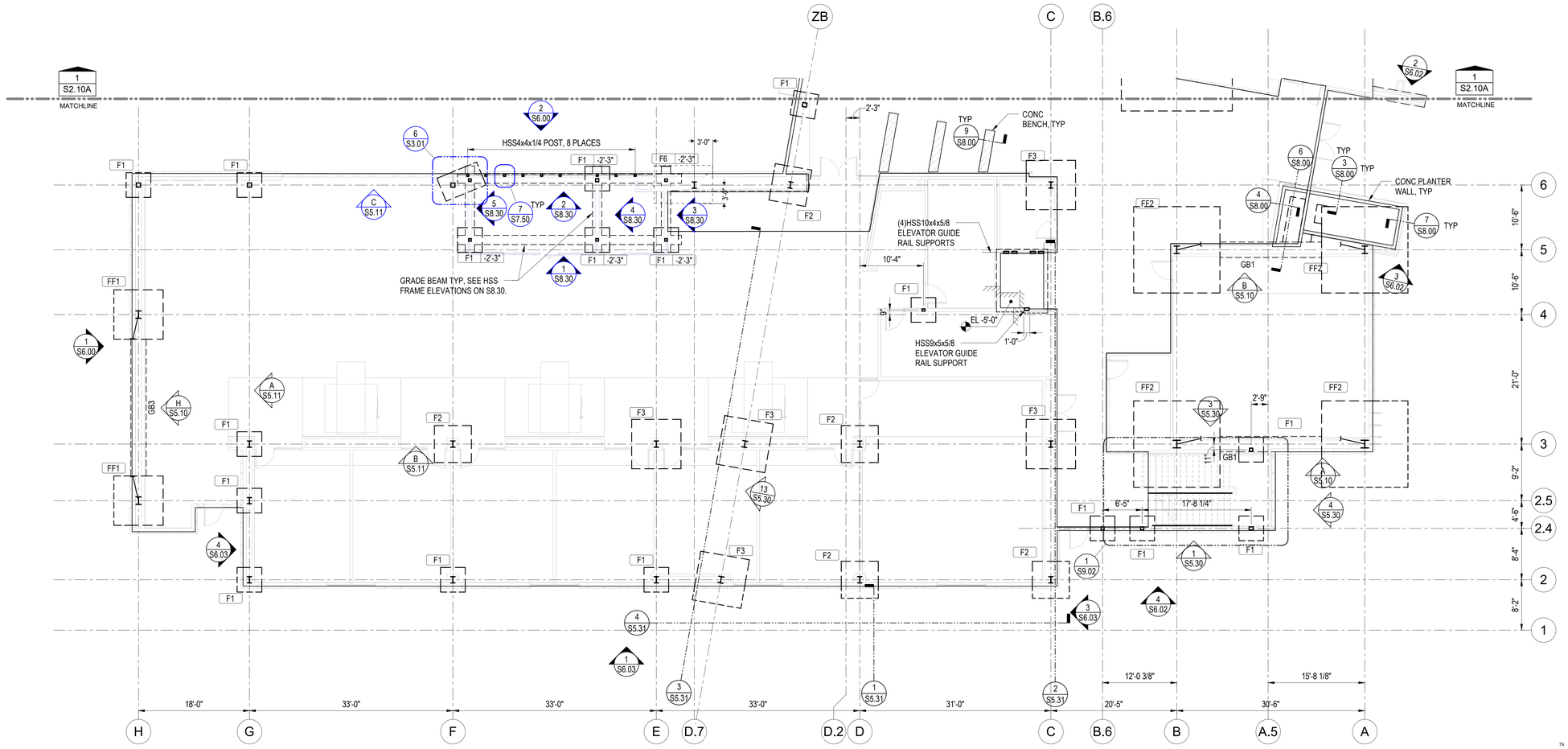
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE

FOUNDATION PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
3. SEE ARCHITECTURAL DWGS FOR REMAINDER OF DIMENSIONS & ELEVATIONS NOT SHOWN ON STRUCT DWGS. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DWGS PRIOR TO START OF WORK.
4. VERIFY EXTENT OF EXISTING UNDERGROUND UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
5. FOUNDATION EXCAVATIONS MUST BE OBSERVED AND APPROVED BY PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACING REINFORCING STEEL.
6. LOCATE NEW SUBGRADE UTILITIES AS INDICATED ON STRUCT AND MEP DRAWINGS. IDENTIFY LOCATIONS AND INVERT ELEVATIONS OF AFFECTED EXISTING UTILITIES PRIOR TO START OF WORK. NOTIFY SEOR IF LOCATIONS ARE OTHER THAN AS NOTED, OR REQUIRE ADDITIONAL DEMO, CONSTRUCTION, OR EXCAVATION BELOW NOTED LIMIT LINES. DO NOT PENETRATE EXISTING STRUCTURE OR EXCAVATE BELOW EXISTING OR NEW FOUNDATIONS WITHOUT APPROVAL OF SEOR.
7. CENTER COLUMNS ON GRIDLINES UNO.
8. LOCATE TOP OF FOOTINGS 1'-6" BELOW LOWEST ADJACENT BUILDING SLAB ON GRADE ELEVATION OR TOP OF LOWEST ADJACENT EXTERIOR FINISH GRADE (OR FINISH PAVING) ELEVATION UNO.
9. TYPICAL SLAB ON GRADE SHALL BE AS FOLLOWS UNO:
   A. 5" CONCRETE SLAB W/ #4@18"OC EACH WAY AT CENTER OF SLAB OVER
   B. 15 MIL MOISTURE BARRIER OVER 4" MOISTENED (NOT SATURATED) CLEAN AGGREGATE OVER
   C. COMPACTED FILL PER GEOTECHINCAL REPORT.
10. PROVIDE CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLAB ON GRADE PER **5** / **S0.12** AND AS REQD PER ARCHITECTURAL DWGS.
11. PROVIDE STRUCTURAL STEEL FRAMING TO SUPPORT ELEVATOR GUIDERAILS AND ELEVATOR COUNTERWEIGHTS PER **S0.91**.

FOUNDATION LEGEND

- EL XXX'-XX" — TOP OF SLAB ELEVATION - VERIFY W/ ARCHITECTURAL DWGS
- F1 -1'-6" — SPREAD FOOTING TYPE PER **1** / **S3.01**
- TOP OF FTG ELEVATION, SEE NOTE 8
- STEP IN CONTINUOUS FOOTING OR GRADE BEAM PER SYMBOL DENOTES LOCATION OF STEP AT TOP OF FOOTING
- TOF -X'-X" — TOP OF FOOTING ELEVATION RELATIVE TO TOP OF LOWEST ADJACENT BUILDING SLAB ON GRADE ELEVATION OR TOP OF LOWEST ADJACENT EXTERIOR FINISH GRADE (OR FINISH PAVING) ELEVATION, WHICHEVER IS LOWER - IF NO ELEVATION INDICATED, PLAN NOTE 8 APPLIES
- NON-FRAME STEEL COLUMN MARK - SEE COLUMN SCHEDULE ON SHEET **S4.01**.
- X" — CHANGE IN TOP OF SLAB ON GRADE ELEVATION - VERIFY DROP DISTANCES (WHERE INDICATED) W/ ARCHITECTURAL DWGS
- XX / XX — MECH UNIT NO - SEE MECH DWGS
- XXX# — MAXIMUM DESIGN OPERATING WT
- MECH PAD - SEE **2** / **S0.12**
- DEPRESSED SLAB - SEE **7D** / **S0.12** UNO
- GB1 — GRADE BEAM - SEE **4** / **S5.22**



1ST FLOOR FOUNDATION PLAN - SEGMENT B

SCALE: 1/8" = 1'-0"

1

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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

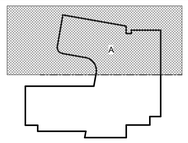
NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. YUSUF SAIFUL No. 4083 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

1ST FLOOR FOUNDATION - SEGMENT B

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S2.10B

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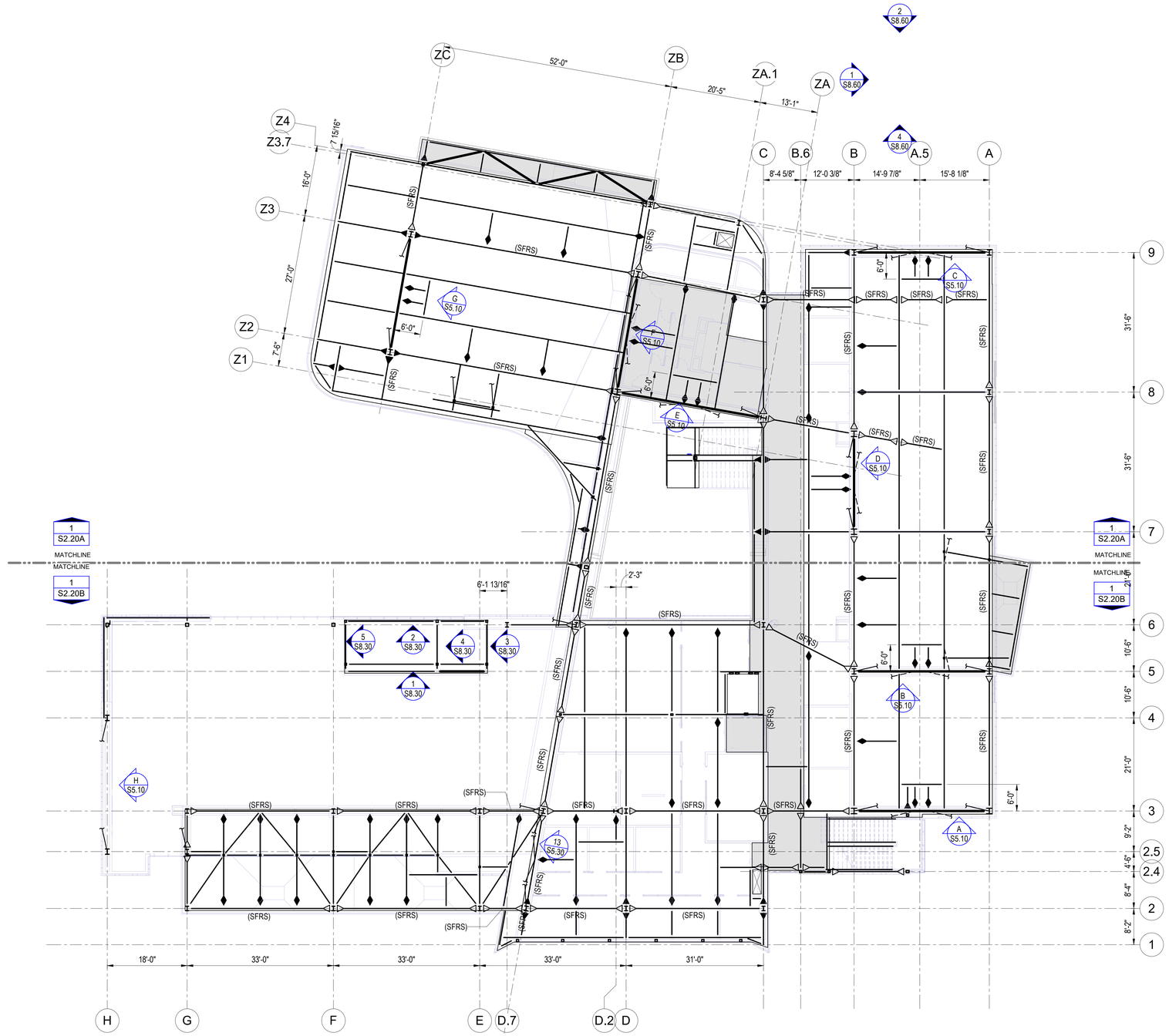

NOTES:
1. (SFRS) INDICATES SEISMIC FORCE RESISTING SYSTEM. SEE STRUCTURAL STEEL GENERAL NOTES.
2. FRAMING INFORMATION SHALL BE PER THE SEGMENT PLANS.

TN

2ND FLOOR FRAMING PLAN - OVERALL

SCALE: 3/32" = 1'-0"

1

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

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www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
M. SAIFUL BOUQUET
No. 40053
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

2ND FLOOR FRAMING PLAN - OVERALL

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

S2.20

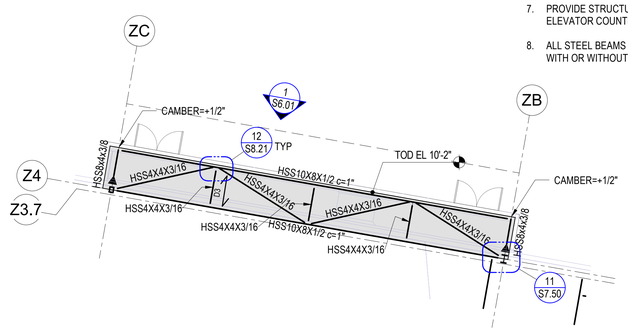
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALES ACCORDINGLY

FRAMING PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
3. SEE ARCHITECTURAL DWGS FOR REMAINDER OF DIMENSIONS & ELEVATIONS NOT SHOWN ON STRUCT DWGS. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DWGS PRIOR TO START OF WORK.
4. CENTER COLUMNS ON GRIDLINES UNO.
5. SPACE BEAMS EQUALLY BETWEEN COLUMNS & GIRDERS UNO.
6. LOCATE TOP OF STRUCT STEEL ELEVATION (TOS) FROM DATUM TOP OF SLAB ELEVATION MINUS TOTAL SLAB THICKNESS ("t") PER **2 / S0.51** UNO.
7. PROVIDE STRUCTURAL STEEL FRAMING TO SUPPORT ELEVATOR GUIDERAILS AND ELEVATOR COUNTERWEIGHTS PER **1 / S0.91**.
8. ALL STEEL BEAMS SUPPORTING CONCRETE OVER METAL DECK SHALL MEET 1/S0.51 WITH OR WITHOUT STUDS INDICATED ON THE PLANS.

FRAMING LEGEND

- EL XXX'-XX" — DATUM TOP OF STRUCT SLAB ELEVATION - VERIFY W/ ARCHITECTURAL DWGS
- (-X") — TOP OF STRUCT SLAB ELEVATION OTHER THAN DATUM - VERIFY W/ ARCHITECTURAL DWGS
- SCX — NON-FRAME STEEL COLUMN MARK FOR COLUMN OCCURRING ABOVE - "CB" DENOTES COLUMN BELOW - COLUMN W/ NO MARK DENOTES CONTINUING COLUMN FROM BELOW TO POINTS ABOVE - SEE **S0.42** UNO
- X" — CHANGE IN TOP OF STRUCT SLAB ELEVATION - VERIFY DROP DISTANCES (WHERE INDICATED) W/ ARCHITECTURAL DWGS
- DX — DECK CONSTRUCTION MARK - ARROWS DENOTE DECK SPAN DIRECTION - SEE **2 / S0.51**
- [X] — SHEAR STUD MARK - SEE **1 / S0.51**
- c=X" — CAMBER AS INDICATED
- BEAM STIFFENER SHEAR PLATE CONN MARK - SEE **1 / S0.41**
- ANGLE BRACE MARK (SINGLE ARROW DENOTES LOW END OF ANGLE BRACING BEAM BOTTOM FLANGE) - SEE **1 / S0.42**
- DRAG BEAM CONNECTION MARK - SEE **4 / S0.41** (SFRS)
- BEAM TO COLUMN NON-FRAME MOMENT CONNECTION MARK - SEE **3 / S0.41** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM NON-FRAME MOMENT CONNECTION MARK - SEE **4 / S0.42** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM END CONNECTION AT SPLICES - SEE **1B / S0.41**
- BROKEN BACK BEAM CONNECTION - SEE **2 / S0.42**
- (T) — STRUCT TEE ON BEAM MARK - SEE **6 / S0.51**
- (∠) — LEDGER ANGLE ON BEAM MARK - SEE **7 / S0.51**
- EBF — EBF (ECCENTRICALLY BRACED FRAME) MARK - SEE EBF ELEVATIONS ON **S5-XX** SERIES SHEETS
- PROTECTED ZONE, SEE **S5.21**
- XX / XX / XXX# — MECH UNIT NO - SEE MECH DWGS; MAXIMUM DESIGN OPERATING WT
- MECH PAD - SEE **8 / S0.51** & **5 / S0.53**
- DROPPED SLAB OR DEPRESSED SLAB - SEE DETAILS INDICATED
- INDICATES CONC OVER METAL DECK GREATER THAN SHOWN IN 2/S0.51 POURED MONOLITHICALLY



CANOPY FRAMING PLAN 2

SCALE: 1/8" = 1'-0"

2ND FLOOR FRAMING PLAN - SEGMENT A 1

SCALE: 1/8" = 1'-0"

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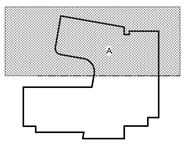
REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

2ND FLOOR FRAMING PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: **36-C1** A#: **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S2.20A

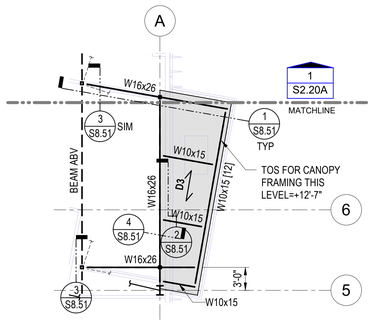
THE LINE SHOWN ABOVE IS 3" LONG WHEN PRINTED AT FULL SIZE (ANSI D, 24x36 SHEET)

FRAMING PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
3. SEE ARCHITECTURAL DWGS FOR REMAINDER OF DIMENSIONS & ELEVATIONS NOT SHOWN ON STRUCT DWGS. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DWGS PRIOR TO START OF WORK.
4. CENTER COLUMNS ON GRIDLINES UNO.
5. SPACE BEAMS EQUALLY BETWEEN COLUMNS & GIRDERS UNO.
6. LOCATE TOP OF STRUCT STEEL ELEVATION (TOS) FROM DATUM TOP OF SLAB ELEVATION MINUS TOTAL SLAB THICKNESS ("t") PER **2 / S0.51** UNO.
7. PROVIDE STRUCTURAL STEEL FRAMING TO SUPPORT ELEVATOR GUIDERAILS AND ELEVATOR COUNTERWEIGHTS PER **1 / S0.91**.
8. ALL STEEL BEAMS SUPPORTING CONCRETE OVER METAL DECK SHALL MEET 1/S0.51 WITH OR WITHOUT STUDS INDICATED ON THE PLANS.

FRAMING LEGEND

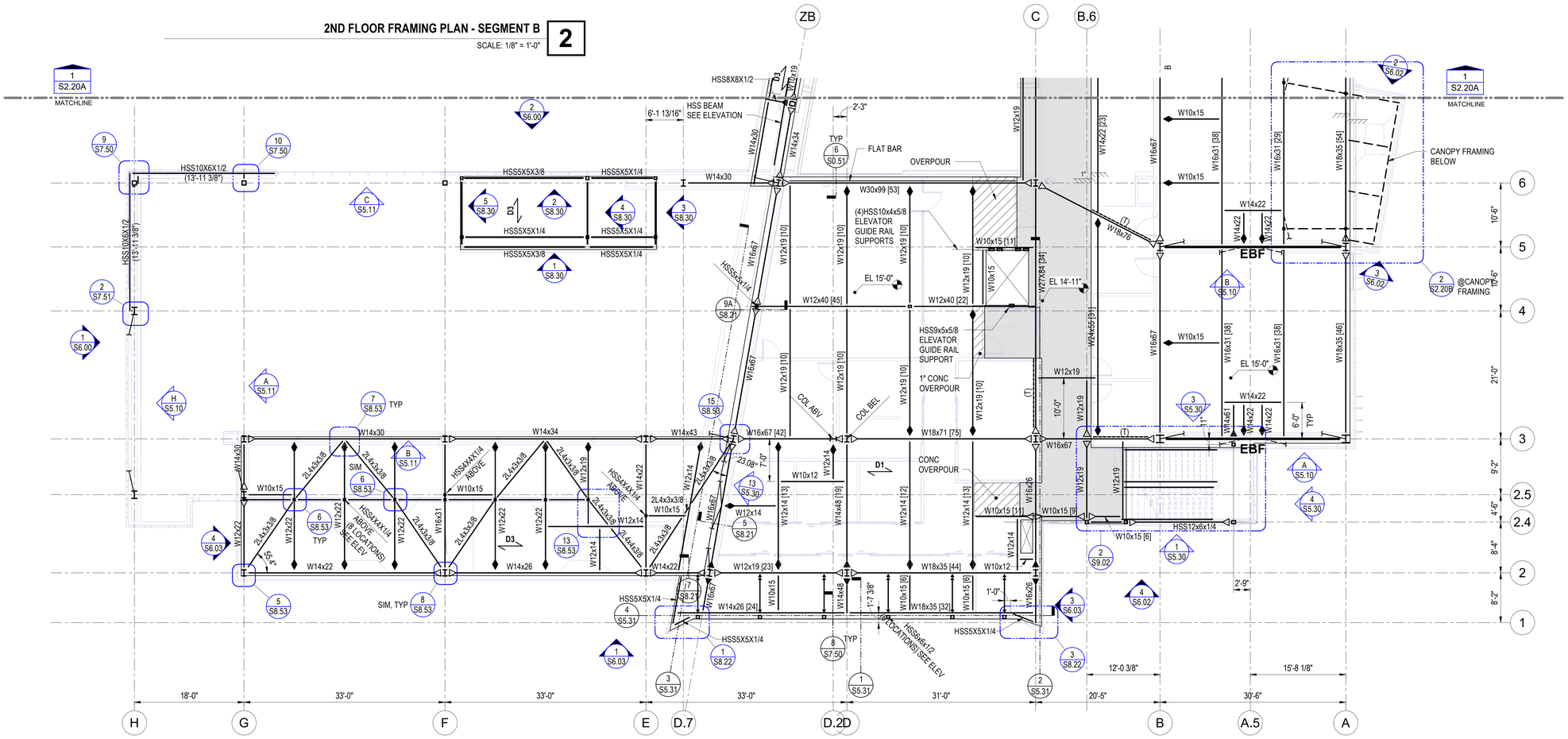
- EL XXX'-XX" — DATUM TOP OF STRUCT SLAB ELEVATION - VERIFY W/ ARCHITECTURAL DWGS
- (-X") — TOP OF STRUCT SLAB ELEVATION OTHER THAN DATUM - VERIFY W/ ARCHITECTURAL DWGS
- SCX — NON-FRAME STEEL COLUMN MARK FOR COLUMN OCCURRING ABOVE - "CB" DENOTES COLUMN BELOW - COLUMN W/ NO MARK DENOTES CONTINUING COLUMN FROM BELOW TO POINTS ABOVE - SEE **S0.42** UNO
- X" — CHANGE IN TOP OF STRUCT SLAB ELEVATION - VERIFY DROP DISTANCES (WHERE INDICATED) W/ ARCHITECTURAL DWGS
- DX — DECK CONSTRUCTION MARK - ARROWS DENOTE DECK SPAN DIRECTION - SEE **2 / S0.51**
- [X] — SHEAR STUD MARK - SEE **1 / S0.51**
- c=X" — CAMBER AS INDICATED
- BEAM STIFFENER SHEAR PLATE CONN MARK - SEE **1 / S0.41**
- ANGLE BRACE MARK (SINGLE ARROW DENOTES LOW END OF ANGLE BRACING BEAM BOTTOM FLANGE) - SEE **1 / S0.42**
- DRAG BEAM CONNECTION MARK - SEE **4 / S0.41** (SFRS)
- BEAM TO COLUMN NON-FRAME MOMENT CONNECTION MARK - SEE **3 / S0.41** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM NON-FRAME MOMENT CONNECTION MARK - SEE **4 / S0.42** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM END CONNECTION AT SPLICES - SEE **1B / S0.41**
- BROKEN BACK BEAM CONNECTION - SEE **2 / S0.42**
- (T) — STRUCT TEE ON BEAM MARK - SEE **6 / S0.51**
- (∠) — LEDGER ANGLE ON BEAM MARK - SEE **7 / S0.51**
- EBF — EBF (ECCENTRICALLY BRACED FRAME) MARK - SEE EBF ELEVATIONS ON **S5-XX** SERIES SHEETS
- PROTECTED ZONE, SEE **S5.21**
- XX / XX / XXX# — MECH UNIT NO - SEE MECH DWGS; MAXIMUM DESIGN OPERATING WT
- MECH PAD - SEE **8 / S0.51** & **5 / S0.53**
- DROPPED SLAB OR DEPRESSED SLAB - SEE DETAILS INDICATED
- INDICATES CONC OVER METAL DECK GREATER THAN SHOWN IN 2/S0.51 POURED MONOLITHICALLY



2ND FLOOR FRAMING PLAN - SEGMENT B

SCALE: 1/8" = 1'-0"

2



2ND FLOOR FRAMING PLAN - SEGMENT B

SCALE: 1/8" = 1'-0"

1

TN

AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

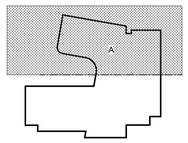
NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.0616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER S. F. U. STRUCTURAL STATE OF CALIFORNIA Exp. 06/30/22

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

2ND FLOOR FRAMING PLAN - SEGMENT B

DSA APPROVAL

FILE NO.: **36-C1** | A# : **04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

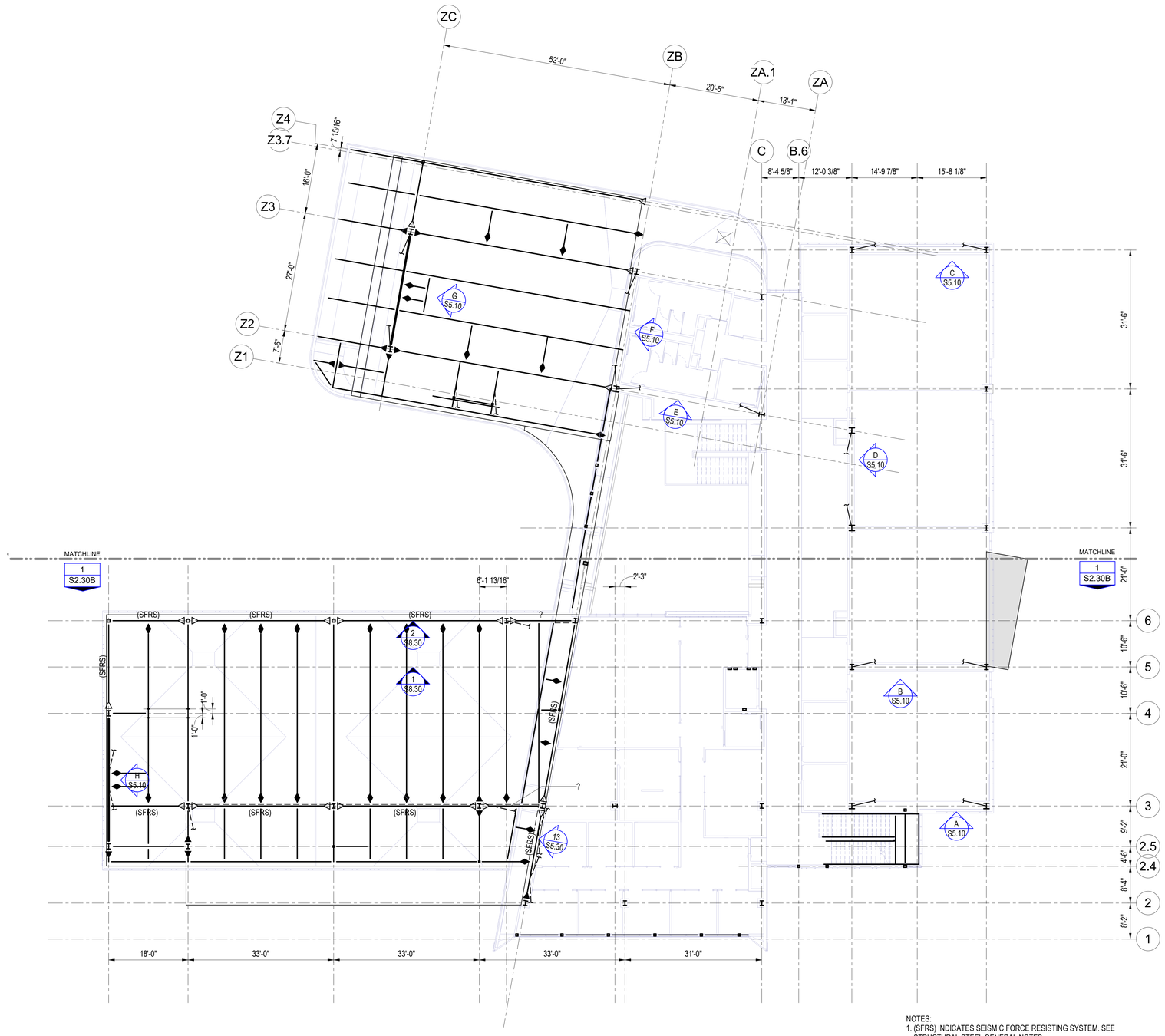
SHEET:

S2.20B

PLEASE RECYCLE

JP:6/2021 5:25:15 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE SCALE



NOTES:
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2. FRAMING INFORMATION SHALL BE PER THE SEGMENT PLANS.

TN

LOW ROOF FRAMING PLAN - OVERALL

SCALE: 3/32" = 1'-0"

1

PLEASE RECYCLE

8/5/2021 6:28:12 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.0616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER S.A. FUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

LOW ROOF FRAMING PLAN - OVERALL

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

S2.30

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALES ACCORDINGLY

FRAMING PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
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FRAMING LEGEND

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- (-X") — TOP OF STRUCT SLAB ELEVATION OTHER THAN DATUM - VERIFY W/ ARCHITECTURAL DWGS
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- BROKEN BACK BEAM CONNECTION - SEE **2 / S0.42**
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- XX / XX / XXX# — MECH UNIT NO - SEE MECH DWGS; MAXIMUM DESIGN OPERATING WT
- MECH PAD - SEE **8 / S0.51** & **5 / S0.53**
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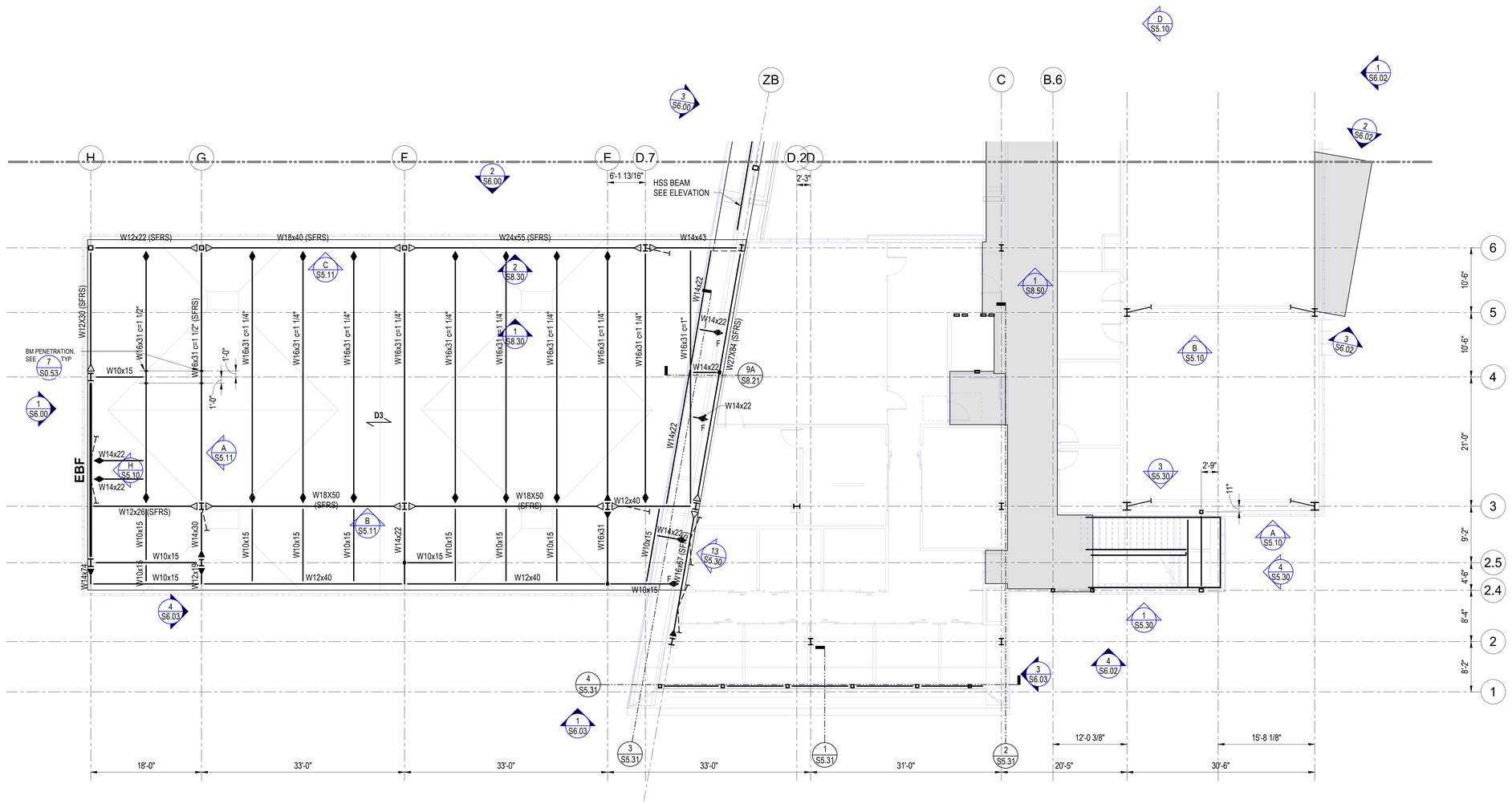

LOW ROOF FRAMING PLAN - SEGMENT B — **1**

SCALE: 1/8" = 1'-0"

PLEASE RECYCLE

8/5/2021 6:28:16 AM

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LICENSED ARCHITECT — KENNETH SALTER — NO. C-19082 — REN. 11-30-21 — STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER — M. A. SAIFUL — Exp. 06/30/21 — STRUCTURAL — STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

LOW ROOF FRAMING PLAN - SEGMENT B

DSA APPROVAL

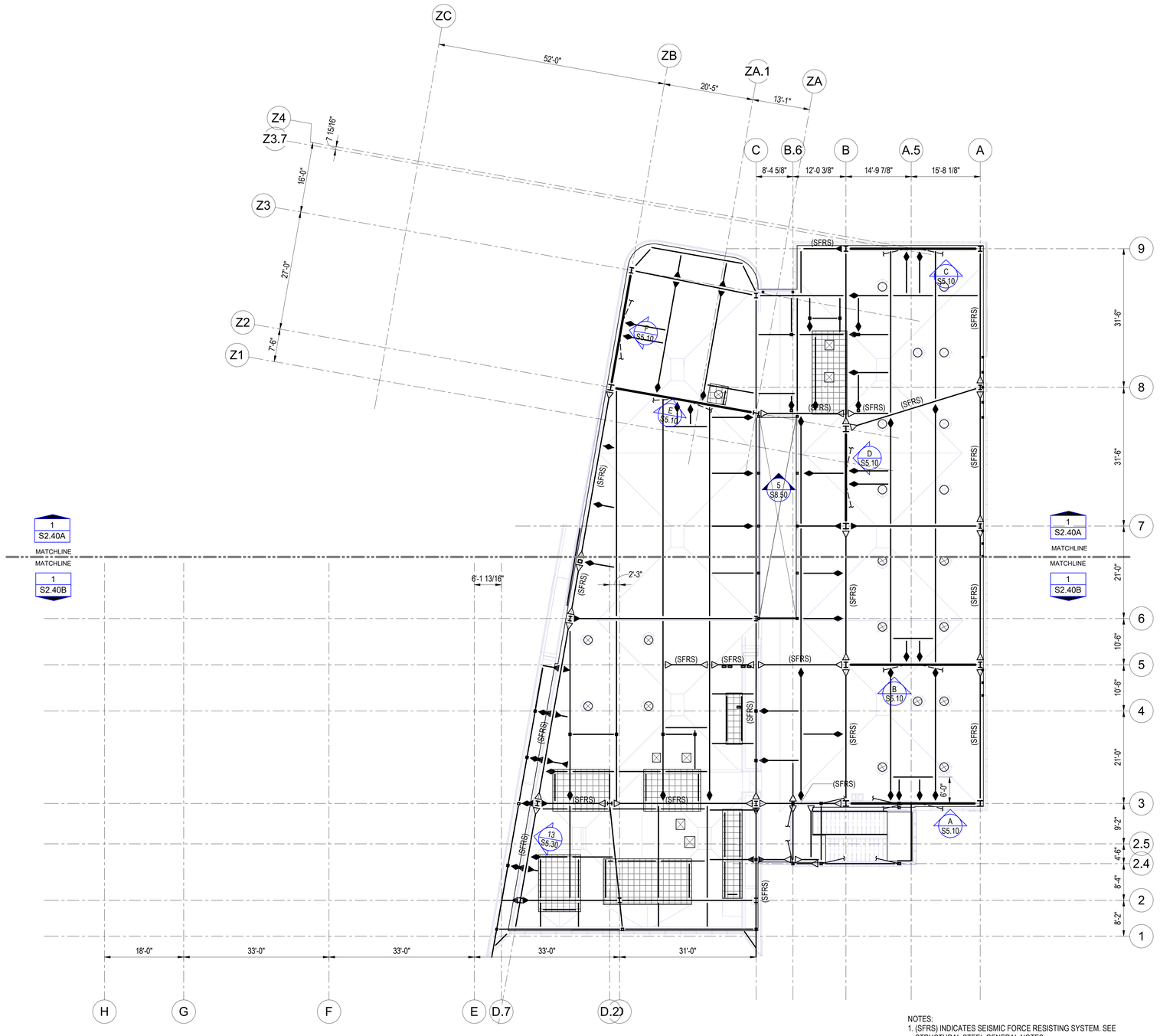
FILE NO.: 36-C1 — **A# : 04-119722**

DATE: **08.05.2021** — CLIENT PROJ NO:

SHEET:

S2.30B

THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SIZE. IF IT IS SHORTER, THIS SHEET IS ORIGINAL SPACE SIZE



NOTES:
1. (SFRS) INDICATES SEISMIC FORCE RESISTING SYSTEM. SEE STRUCTURAL STEEL GENERAL NOTES.
2. FRAMING INFORMATION SHALL BE PER THE SEGMENT PLANS.

ROOF FRAMING PLAN - OVERALL

SCALE: 3/32" = 1'-0"

1

8/5/2021 6:26:03 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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KEYNOTES

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com

SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 40852 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF FRAMING PLAN - OVERALL

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

S2.40

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FRAMING PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
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- DX — DECK CONSTRUCTION MARK - ARROWS DENOTE DECK SPAN DIRECTION - SEE **2** / **S0.51**
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- ANGLE BRACE MARK (SINGLE ARROW DENOTES LOW END OF ANGLE BRACING BEAM BOTTOM FLANGE) - SEE **1** / **S0.42**
- DRAG BEAM CONNECTION MARK - SEE **4** / **S0.41** (SFRS)
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ROOF FRAMING PLAN - SEGMENT A

SCALE: 1/8" = 1'-0"

1

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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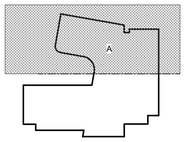
Telephone 626.304.0616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER S. F. U. L. B. O. U. Q. U. E. No. 40857 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF FRAMING PLAN - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

S2.40A

8/5/2021 6:28:24 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY

FRAMING PLAN NOTES

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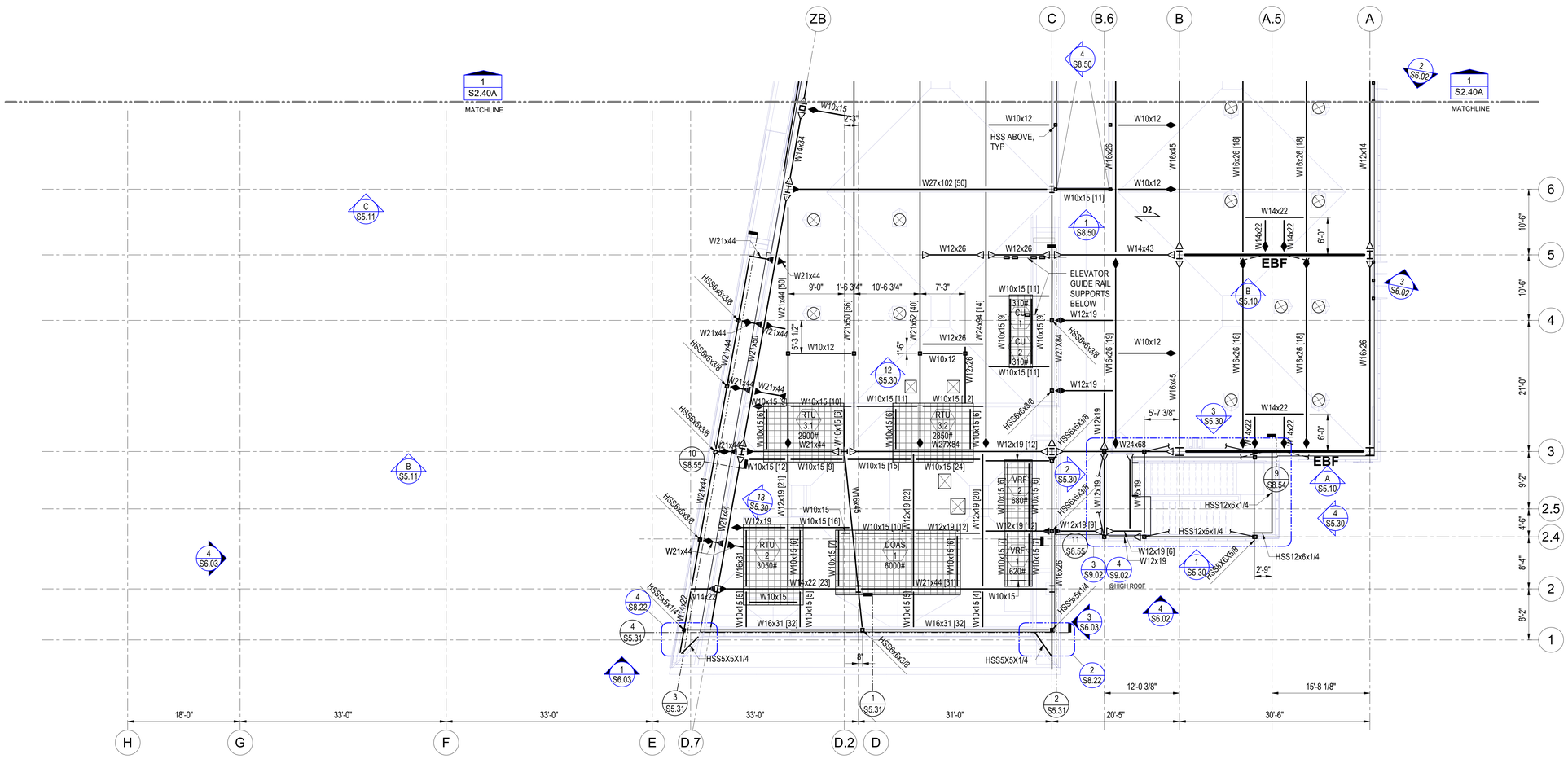
- DROPPED SLAB OR DEPRESSED SLAB - SEE DETAILS INDICATED
- INDICATES CONC OVER METAL DECK GREATER THAN SHOWN IN 2/S0.51 POURED MONOLITHICALLY



ROOF FRAMING PLAN - SEGMENT B

SCALE: 1/8" = 1'-0"

1

AGENCY APPROVAL:

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APP: 04-119722 INC:
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DATE: 08/19/2021

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HMC Architects
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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

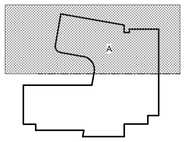
NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

KEY PLAN:



FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ROOF FRAMING PLAN - SEGMENT B

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

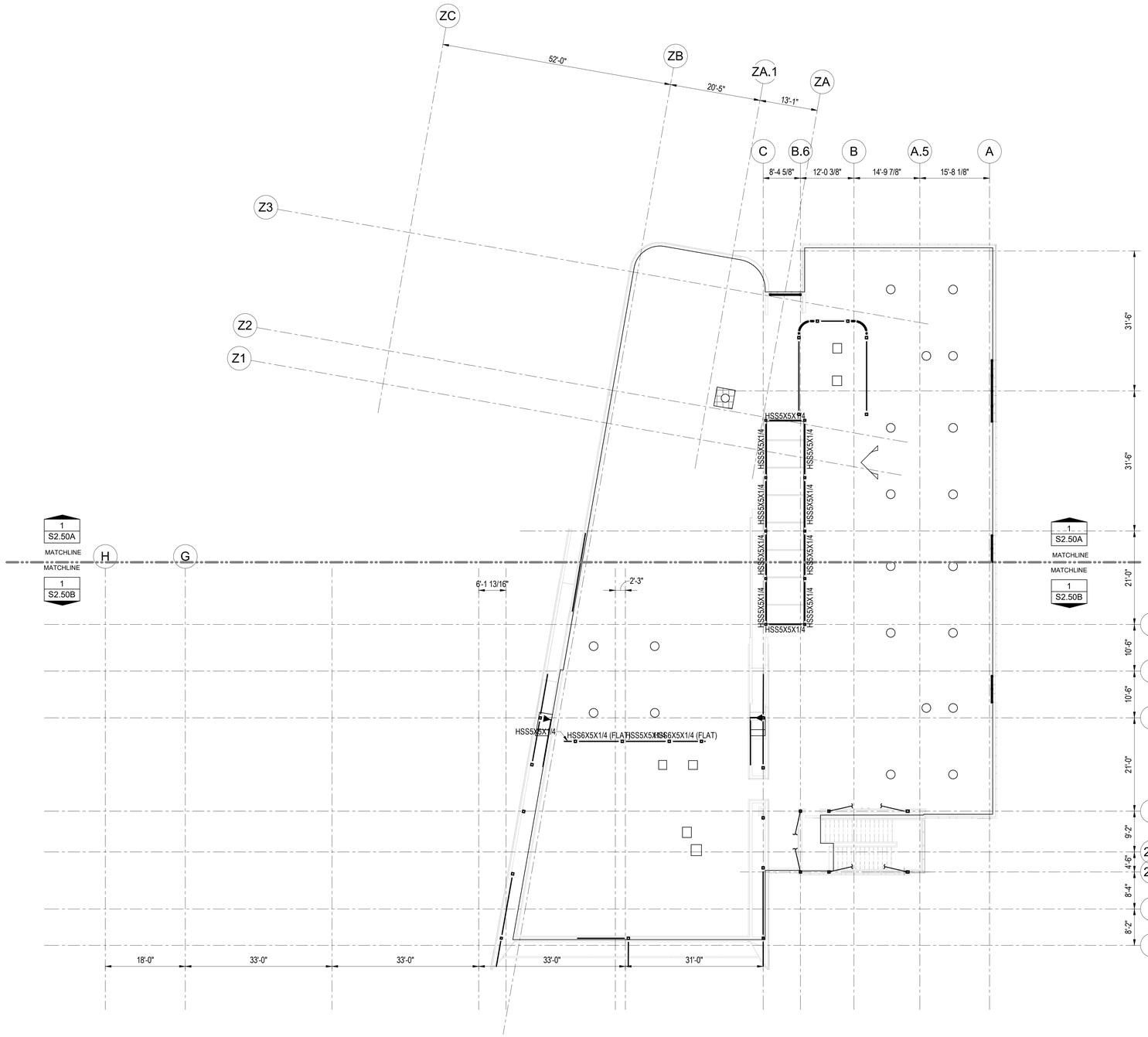
SHEET:

S2.40B

8/5/2021 6:29:28 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE



ROOF FRAMING PLAN MECHANICAL - OVERALL

SCALE: 3/32" = 1'-0"

1

8/5/2021 6:28:32 AM

PLEASE RECYCLE

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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REGISTERED PROFESSIONAL ENGINEER
M. SAIFUL BOUQUET
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Exp. 06/30/22
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STATE OF CALIFORNIA

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CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MECHANICAL ROOF FRAMING - OVERALL

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S2.50

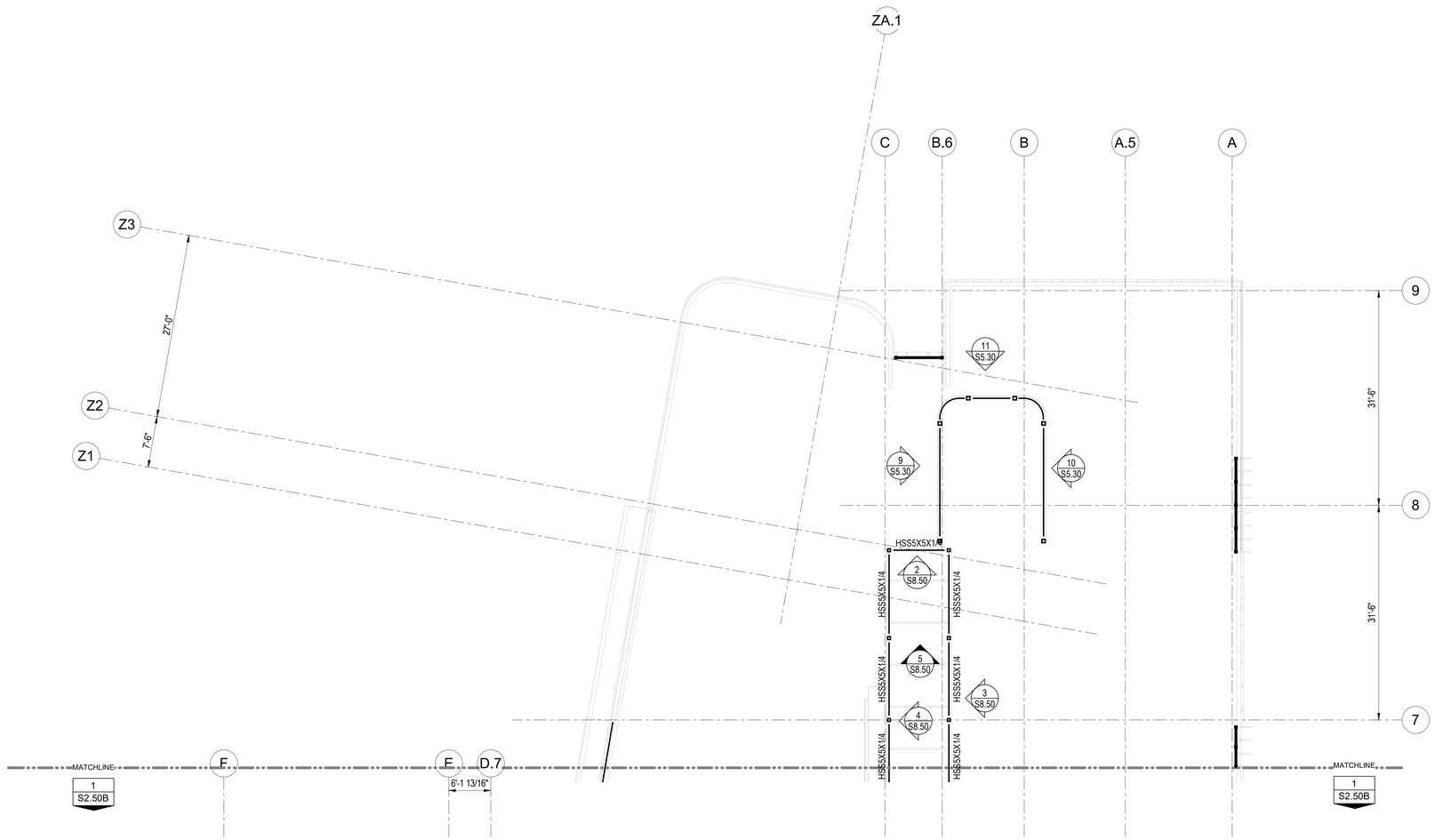
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D2)

FRAMING PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
3. SEE ARCHITECTURAL DWGS FOR REMAINDER OF DIMENSIONS & ELEVATIONS NOT SHOWN ON STRUCT DWGS. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DWGS PRIOR TO START OF WORK.
4. CENTER COLUMNS ON GRIDLINES UNO.
5. SPACE BEAMS EQUALLY BETWEEN COLUMNS & GIRDERS UNO.
6. LOCATE TOP OF STRUCT STEEL ELEVATION (TOS) FROM DATUM TOP OF SLAB ELEVATION MINUS TOTAL SLAB THICKNESS ("t") PER **2** / **S0.51** UNO.
7. PROVIDE STRUCTURAL STEEL FRAMING TO SUPPORT ELEVATOR GUIDERAILS AND ELEVATOR COUNTERWEIGHTS PER **1** / **S0.91**.
8. ALL STEEL BEAMS SUPPORTING CONCRETE OVER METAL DECK SHALL MEET 1/S0.51 WITH OR WITHOUT STUDS INDICATED ON THE PLANS.

FRAMING LEGEND

- EL XXX'-XX" — DATUM TOP OF STRUCT SLAB ELEVATION - VERIFY W/ ARCHITECTURAL DWGS
- (-X") — TOP OF STRUCT SLAB ELEVATION OTHER THAN DATUM - VERIFY W/ ARCHITECTURAL DWGS
- SCX — NON-FRAME STEEL COLUMN MARK FOR COLUMN OCCURRING ABOVE - "CB" DENOTES COLUMN BELOW - COLUMN W/ NO MARK DENOTES CONTINUING COLUMN FROM BELOW TO POINTS ABOVE - SEE **S0.42** UNO
- X" — CHANGE IN TOP OF STRUCT SLAB ELEVATION - VERIFY DROP DISTANCES (WHERE INDICATED) W/ ARCHITECTURAL DWGS
- DX — DECK CONSTRUCTION MARK - ARROWS DENOTE DECK SPAN DIRECTION - SEE **2** / **S0.51**
- [X] — SHEAR STUD MARK - SEE **1** / **S0.51**
- c=X" — CAMBER AS INDICATED
- BEAM STIFFENER SHEAR PLATE CONN MARK - SEE **1** / **S0.41**
- ANGLE BRACE MARK (SINGLE ARROW DENOTES LOW END OF ANGLE BRACING BEAM BOTTOM FLANGE) - SEE **1** / **S0.42**
- DRAG BEAM CONNECTION MARK - SEE **4** / **S0.41** (SFRS)
- BEAM TO COLUMN NON-FRAME MOMENT CONNECTION MARK - SEE **3** / **S0.41** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM NON-FRAME MOMENT CONNECTION MARK - SEE **4** / **S0.42** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM END CONNECTION AT SPLICES - SEE **1B** / **S0.41**
- BROKEN BACK BEAM CONNECTION - SEE **2** / **S0.42**
- (T) — STRUCT TEE ON BEAM MARK - SEE **6** / **S0.51**
- (∠) — LEDGER ANGLE ON BEAM MARK - SEE **7** / **S0.51**
- EBF — EBF (ECCENTRICALLY BRACED FRAME) MARK - SEE EBF ELEVATIONS ON **S5-XX** SERIES SHEETS
- PROTECTED ZONE, SEE **S5.21**
- XX / XX / XXX# — MECH UNIT NO - SEE MECH DWGS; MAXIMUM DESIGN OPERATING WT
- MECH PAD - SEE **8** / **S0.51** & **5** / **S0.53**
- DROPPED SLAB OR DEPRESSED SLAB - SEE DETAILS INDICATED
- INDICATES CONC OVER METAL DECK GREATER THAN SHOWN IN 2/S0.51 POURED MONOLITHICALLY



TN

ROOF FRAMING PLAN SKYLIGHT - SEGMENT A — **1**

SCALE: 1/8" = 1'-0"

8/6/2021 6:28:35 AM

PLEASE RECYCLE

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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

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REGISTERED PROFESSIONAL ENGINEER M. TAUFIQ SAIFUL No. 40053 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MECHANICAL ROOF FRAMING - SEGMENT A

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S2.50A

THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SIZE. IF NOT, ADJUST SCALE ACCORDINGLY

FRAMING PLAN NOTES

1. FOR GENERAL NOTES SEE **S0.X** SERIES SHEETS. TYPICAL DETAILS OCCUR THROUGHOUT THESE STRUCT DWGS IN ADDITION TO THOSE ON **S2.X** SERIES SHEETS.
2. VERIFY CONC SLAB ELEVATIONS INCLUDING SLAB DEPRESSIONS, SLOPES, OPNGS, CURBS, DRAINS, TRENCHES, & SLAB EDGE LOCATIONS; & WALL OVERALL DIMENSIONS INCLUDING LOCATIONS OF OPNGS WITH ARCHITECTURAL DWGS.
3. SEE ARCHITECTURAL DWGS FOR REMAINDER OF DIMENSIONS & ELEVATIONS NOT SHOWN ON STRUCT DWGS. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DWGS PRIOR TO START OF WORK.
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5. SPACE BEAMS EQUALLY BETWEEN COLUMNS & GIRDERS UNO.
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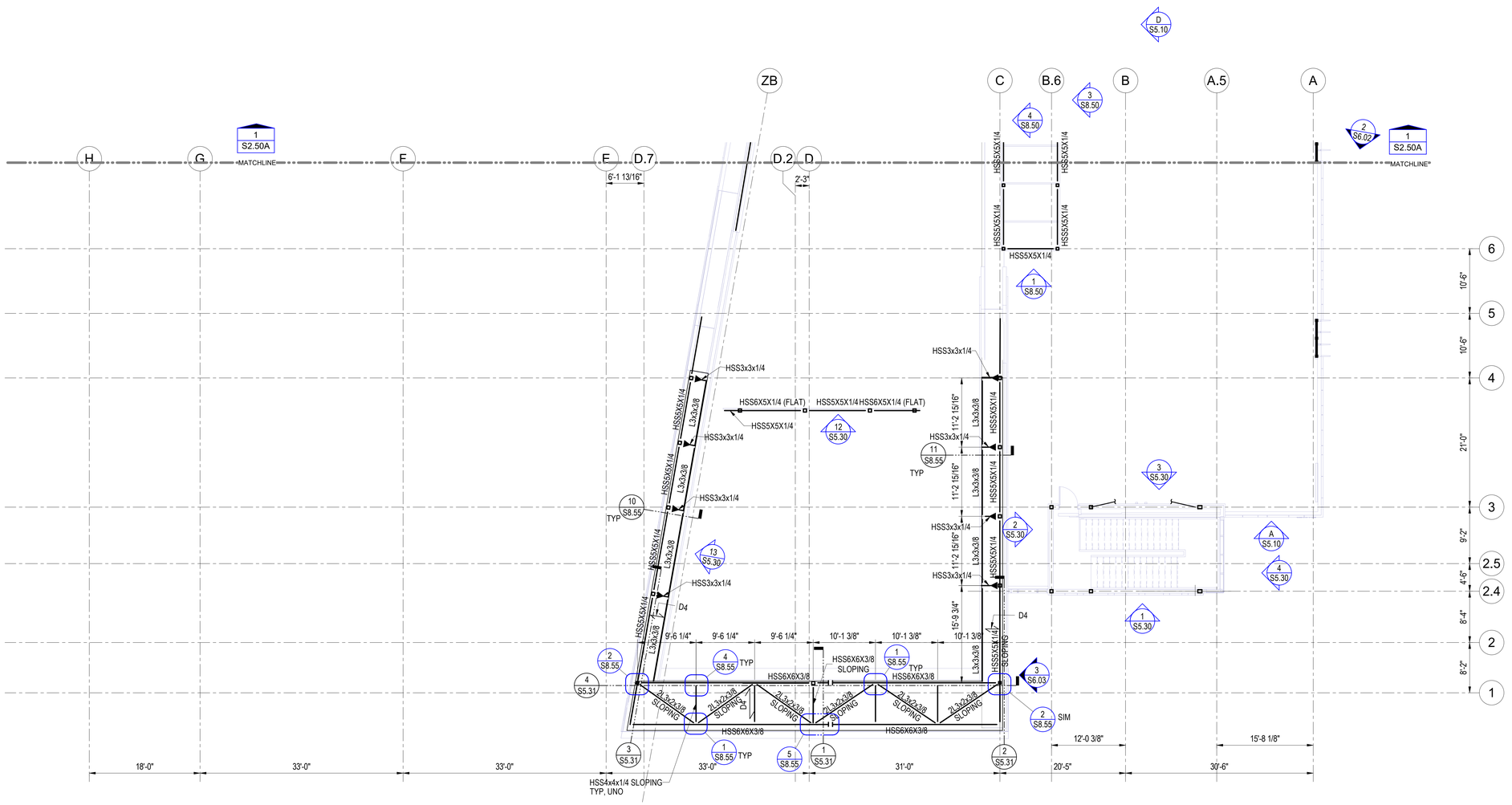
7. PROVIDE STRUCTURAL STEEL FRAMING TO SUPPORT ELEVATOR GUIDERAILS AND ELEVATOR COUNTERWEIGHTS PER **1 / S0.91**.
8. ALL STEEL BEAMS SUPPORTING CONCRETE OVER METAL DECK SHALL MEET 1/S0.51 WITH OR WITHOUT STUDS INDICATED ON THE PLANS.

FRAMING LEGEND

- EL XXX'-XX" — DATUM TOP OF STRUCT SLAB ELEVATION - VERIFY W/ ARCHITECTURAL DWGS
- (-X") — TOP OF STRUCT SLAB ELEVATION OTHER THAN DATUM - VERIFY W/ ARCHITECTURAL DWGS
- SCX — NON-FRAME STEEL COLUMN MARK FOR COLUMN OCCURRING ABOVE - "CB" DENOTES COLUMN BELOW - COLUMN W/ NO MARK DENOTES CONTINUING COLUMN FROM BELOW TO POINTS ABOVE - SEE **S0.42** UNO
- X" — CHANGE IN TOP OF STRUCT SLAB ELEVATION - VERIFY DROP DISTANCES (WHERE INDICATED) W/ ARCHITECTURAL DWGS
- DX — DECK CONSTRUCTION MARK - ARROWS DENOTE DECK SPAN DIRECTION - SEE **2 / S0.51**
- [X] — SHEAR STUD MARK - SEE **1 / S0.51**
- c=X" — CAMBER AS INDICATED
- BEAM STIFFENER SHEAR PLATE CONN MARK - SEE **1 / S0.41**
- ANGLE BRACE MARK (SINGLE ARROW DENOTES LOW END OF ANGLE BRACING BEAM BOTTOM FLANGE) - SEE **1 / S0.42**
- DRAG BEAM CONNECTION MARK - SEE **4 / S0.41** (SFRS)
- BEAM TO COLUMN NON-FRAME MOMENT CONNECTION MARK - SEE **3 / S0.41** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM NON-FRAME MOMENT CONNECTION MARK - SEE **4 / S0.42** - CANTILEVER BEAM SIZE (IF NOT SHOWN) TO MATCH BACKSPAN BEAM SIZE UNO
- BEAM TO BEAM END CONNECTION AT SPLICES - SEE **1B / S0.41**
- BROKEN BACK BEAM CONNECTION - SEE **2 / S0.42**
- (T) — STRUCT TEE ON BEAM MARK - SEE **6 / S0.51**
- (∠) — LEDGER ANGLE ON BEAM MARK - SEE **7 / S0.51**
- EBF — EBF (ECCENTRICALLY BRACED FRAME) MARK - SEE EBF ELEVATIONS ON **S5-XX** SERIES SHEETS
- PROTECTED ZONE, SEE **S5.21**
- XX / XX / XXX# — MECH UNIT NO - SEE MECH DWGS; MAXIMUM DESIGN OPERATING WT
- MECH PAD - SEE **8 / S0.51** & **5 / S0.53**
- DROPPED SLAB OR DEPRESSED SLAB - SEE DETAILS INDICATED
- INDICATES CONC OVER METAL DECK GREATER THAN SHOWN IN 2/S0.51 POURED MONOLITHICALLY



ROOF FRAMING PLAN SKYLIGHT - SEGMENT B

SCALE: 1/8" = 1'-0"

1

8/5/2021 8:28:38 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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KEYNOTES

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
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Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER MUSTAFA FU SE 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MECHANICAL ROOF FRAMING - SEGMENT B

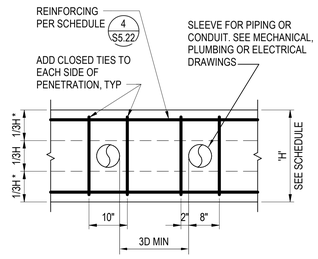
DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

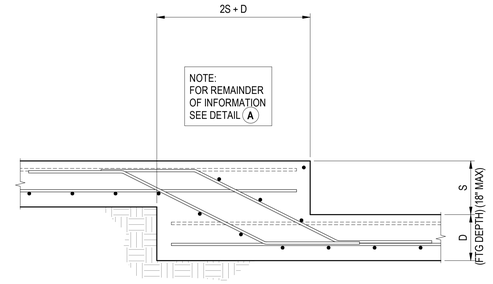
S2.50B



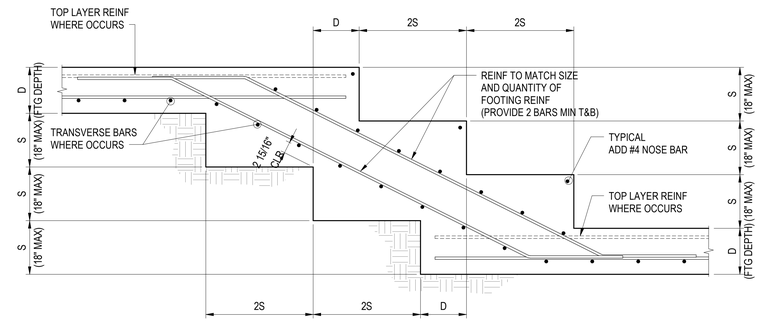
TYPICAL PIPE/ CONDUIT THRU GRADE BEAM DETAIL **5**

SCALE: NTS

CONC-FNDN-0011



SHALLOW SLOPE CONDITION (B)

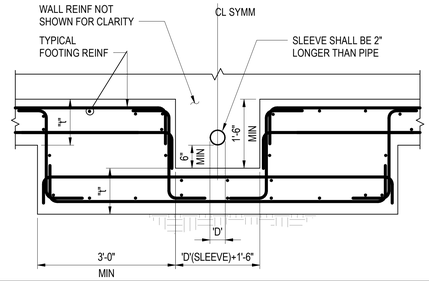


STEEP SLOPE CONDITION (A)

TYPICAL STEPPED FOOTING DETAILS **2**

SCALE: NTS

CONC-FNDN-0003(REV-3)

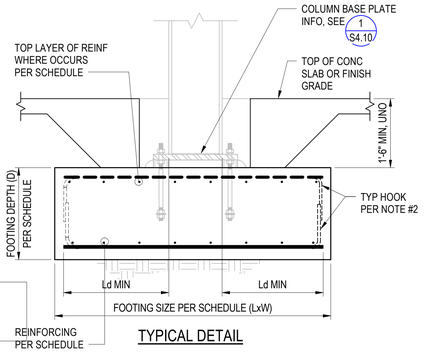


NOTES:
1. WHERE FOOTING INTERFERES WITH PIPING, FOOTING SHALL BE DROPPED SO PIPING WILL PASS THRU WALL.
2. PROVIDE MIN 1" COMPRESSIBLE MATERIAL ALL AROUND PIPE AND WALL.

TYPICAL DROPPED CONTINUOUS FOOTING AT PIPING DETAIL **4**

SCALE: NTS

CONC-FNDN-0008



TYPICAL DETAIL

SPREAD FOOTING SCHEDULE

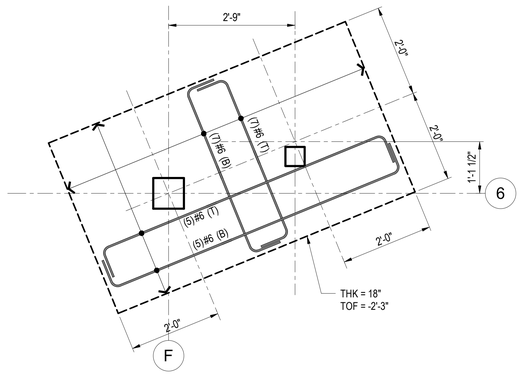
MARK	DEPTH (D)	SIZE (LxW)	REINFORCING BOTTOM SHORT	REINFORCING BOTTOM LONG	REINFORCING TOP SHORT	REINFORCING TOP LONG	REMARKS
F1	18"	4'-0"x4'-0"	5-#6	5-#6	5-#6	5-#6	
F2	18"	6'-0"x6'-0"	7-#6	7-#6	7-#6	7-#6	
F3	24"	8'-0"x8'-0"	9-#6	9-#6	9-#6	9-#6	
F4	18"	3'-0"x3'-0"	4-#5	4-#5	4-#4	4-#4	
F5	18"	5'-0"x5'-0"	6-#6	6-#6	6-#6	6-#6	
FF1	36"	8'-0"x8'-0"	6-#10	6-#10	6-#10	6-#10	
FF2	48"	14'-0"x14'-0"	12-#10	12-#10	12-#10	12-#10	
FF3	48"	18'-0"x18'-0"	15-#10	15-#10	15-#10	15-#10	
SF1	24"	6'-0"x6'-0"	6-#8	6-#8	6-#8	6-#8	STAIR FTG
F6	18"	6'-0"x9'-6"	8#10	8#10	8#10	8#10	

NOTE:
1. EXTENT OF T&B FOOTING BARS TO MATCH AREA OF FOOTING FOOTPRINT MINUS CONCRETE COVER AT FOOTING PERIMETER.
2. PROVIDE TYPICAL HOOK WHERE STRAIGHT BAR W/ MIN "Ld" CANNOT BE ATTAINED. FOR Ld SEE 1 S0.11

TYPICAL SPREAD FOOTING SCHEDULE AND DETAIL **1**

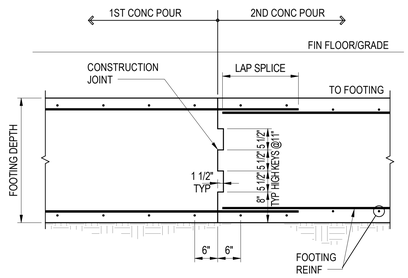
SCALE: NTS

CONC-FNDN-0007b(REV-A)



DETAIL **6**

SCALE: 3/4" = 1'-0"



NOTE:
AS AN ALTERNATIVE, TYPE II ERICO COUPLERS OF IAPMO ER-0188 MAY BE USED IN LIEU OF LAP SPLICES.

TYPICAL CONTINUOUS FOOTING CONSTRUCTION JOINT DETAIL **3**

SCALE: NTS

CONC-FNDN-0004

8/5/2021 6:28:42 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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KEYNOTES

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Telephone 626.304.2616
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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4063 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FOUNDATION SCHEDULE AND DETAILS

DSA APPROVAL

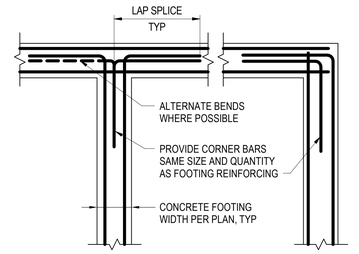
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S3.01

THE LINE SHOWN ABOVE IS 6" LONG WHEN PLOTTED ON ANSI EXPANDED (ARCH E) SHEETS ORIGINAL IMAGE SIZE



PLAN VIEW

TYPICAL FOOTING REINFORCING AT CORNERS AND INTERSECTIONS DETAIL

SCALE: NTS

CONC-FNDN-0010(REV-A)

3

PLEASE RECYCLE

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LICENSED ARCHITECT
KENNETH SALTER
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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
SAIFUL BOUQUET
No. S 4083
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

GRADE BEAM SCHEDULE AND DETAILS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S3.02

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE

STAIR ROOF																					STAIR ROOF
40'-0" ROOF																					40'-0" ROOF
30'-0" LOW ROOF			HSS6X6X5/8								W12X40										30'-0" LOW ROOF
20'-0" 2ND FLOOR																					20'-0" 2ND FLOOR
15'-0" 1ST FLOOR	W12X40	W12X40		HSS6X6X3/8	W12X40	W12X40	W12X40	W12X40	W12X40	HSS6X4X1/2		W12X40	W12X40	W12X40	W12X40	W12X40	HSS8x8x5/16	W12X40	W12X40	W12X40	15'-0" 1ST FLOOR
0"																					0"
Column Locations	A-7	A-8	A.5(-2.74')-3(-0.92')	A.5(-2.75')-3(-0.92')	C-2	C-3	C-6	D-2	D-3	D(10.33')-4(0.75')	D.2-3	D.7-6	E-2	E-3	F-2	F-3	F-6	G-2	G-2.5	G-3	

STAIR ROOF												STAIR ROOF
40'-0" ROOF												40'-0" ROOF
30'-0" LOW ROOF												30'-0" LOW ROOF
20'-0" 2ND FLOOR												20'-0" 2ND FLOOR
15'-0" 1ST FLOOR	HSS8x8x5/16	HSS8x8x5/16	W12x58	W12x58	W12X40	HSS10X8X5/8	W12X40	HSS8x8x3/8	W12X40	W12X40	HSS8X6X3/8	15'-0" 1ST FLOOR
0"						8" SIDE OF HSS PARALLEL TO GL ZB						0"
Column Locations	G-6	H-6	ZB-2	ZB-3	ZB-6	ZB-7(-7.99')	C-Z3(-0.74')	Z1(-4.07')-ZA.1(-0.55')	Z3.7-ZA.1	Z4-ZB	Z4-ZC	

NOTE:
FOR NON-FRAME COLUMN BASE PLATE INFORMATION SEE DETAILS 6/S4.10

PLEASE RECYCLE

8/5/2021 6:28:47 AM

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HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

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155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

STEEL COLUMN SCHEDULE

DSA APPROVAL

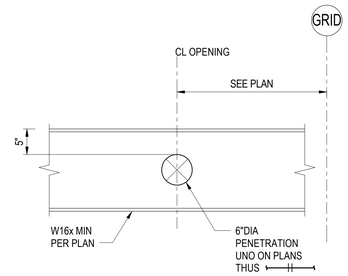
FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

S4.01

THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SIZE ON ORIGINAL SHEET. IF NOT, ADJUST SCALE ACCORDINGLY



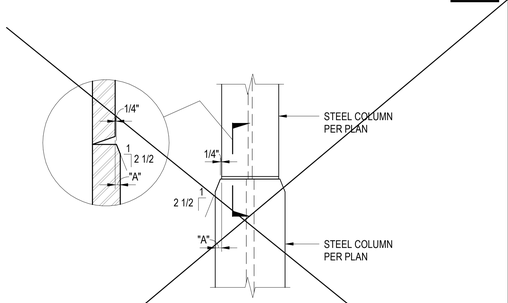
TYPICAL SPRINKLER PIPE PENETRATION 4

SCALE: 1" = 1'-0"

COLUMN SIZES	BASE PLATE SIZE	REMARKS
W12x40	20"x20"x1 3/8"	(4)1" DIA AB (F1554 GA36)
HSS8x8 HSS6x4 HSS5x5 HSS6x6	16"x16"x1"	(4)1" DIA AB (F1554 GA36)

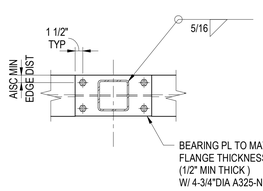
BASEPLATE SCEDHULE FOR NON-FRAME COLUMNS 6

SCALE: 1" = 1'-0"

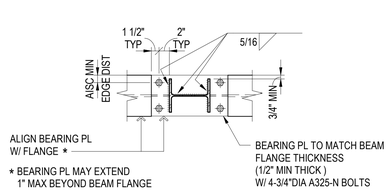


TYPICAL COLUMN SPLICETRANSITION DETAIL 3

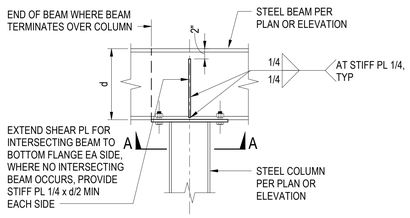
SCALE: 1" = 1'-0"



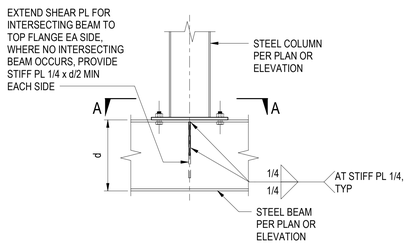
SECTION A-A (AT HSS OR PIPE COL)



SECTION A-A (AT W COL)



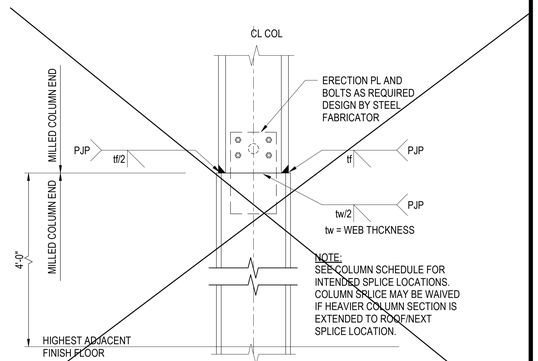
TOP BEARING PLATE CONNECTION (B)



BASE BEARING PLATE ON STEEL BEAM (A)

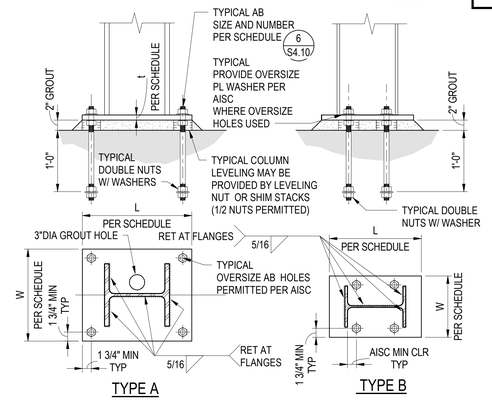
TYPICAL NON-FRAME COLUMN BEARING PLATE DETAIL DETAILS 5

SCALE: 1" = 1'-0"



TYPICAL NON-FRAME COLUMN SPLICE DETAIL 2

SCALE: 1" = 1'-0"



TYPICAL NON-FRAME COLUMN BASE PLATE DETAILS 1

SCALE: 1" = 1'-0"

8/5/2021 6:28:50 AM

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

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KEYNOTES

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EXP. 06/30/22
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STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

COLUMN DETAILS

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

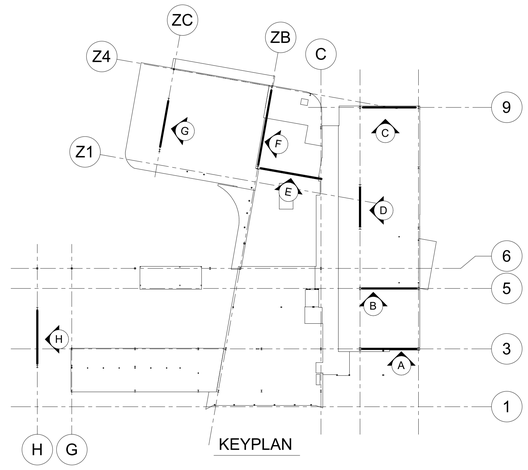
SHEET:

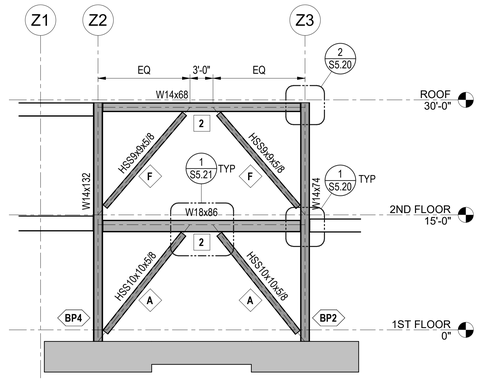
S4.10

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY

EBF ELEVATION NOTES

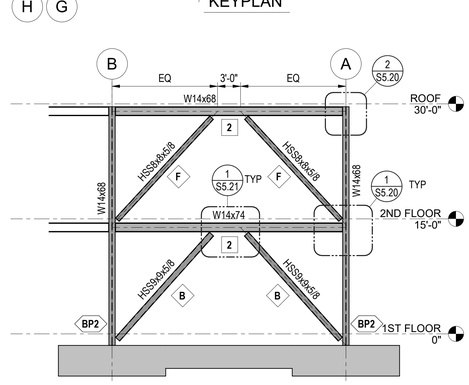
1. BP-# — INDICATES BASE PLATE TYPE, PER DETAIL 1/S5.22
2. A — INDICATES GUSSET PL & WELD TYPE, PER DETAIL 4/S5.20
3. FASTENING & WELDING TO LINK BEAM PROTECTED ZONES IS PROHIBITED AS SHOWN ON DETAILS 1/S0.51
4. 2 — INDICATES NO OF INTERMEDIATE STIFFENERS FOR LINK BEAM. COORDINATE WITH DETAILS ON SHEET FOR WELDING OF STIFFENERS 1/S5.21, 2/S5.21 AND 4/S5.20





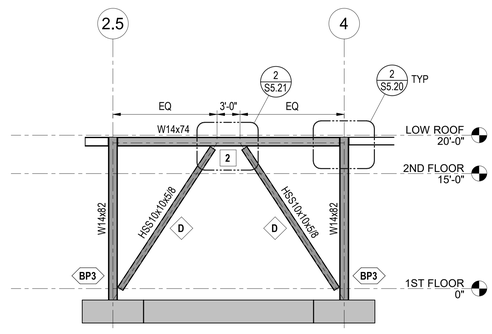
EBF ELEVATION AT GRID LINE ZB — F

SCALE: 1/8" = 1'-0"



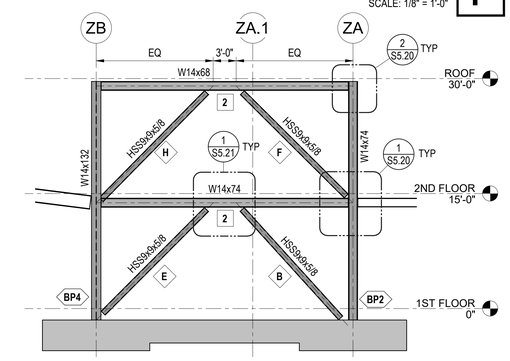
EBF ELEVATION AT GRID LINE 9 — C

SCALE: 1/8" = 1'-0"



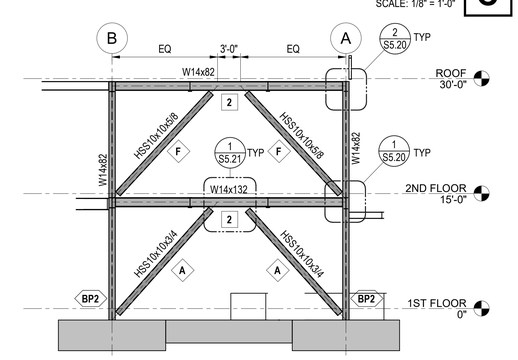
EBF ELEVATION AT GRID LINE H — H

SCALE: 1/8" = 1'-0"



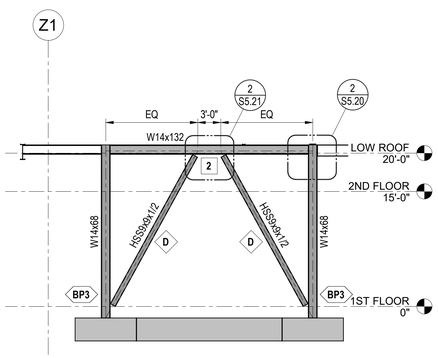
EBF ELEVATION AT GRID LINE Z2 — E

SCALE: 1/8" = 1'-0"



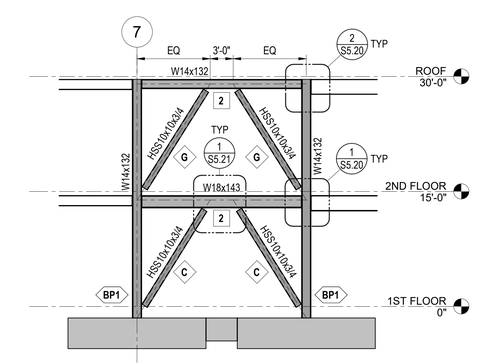
EBF ELEVATION AT GRID LINE 5 — B

SCALE: 1/8" = 1'-0"



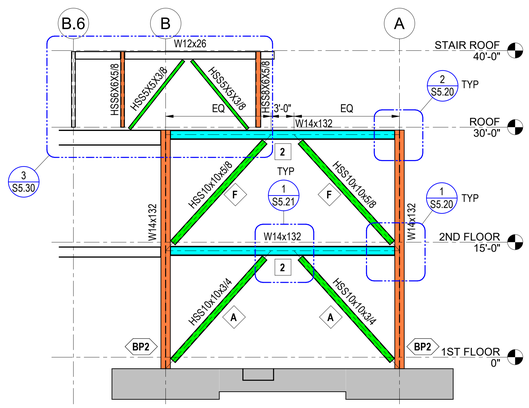
EBF ELEVATION AT GRID LINE ZC — G

SCALE: 1/8" = 1'-0"



EBF ELEVATION AT GRID LINE B — D

SCALE: 1/8" = 1'-0"



EBF ELEVATION AT GRID LINE 3 — A

SCALE: 1/8" = 1'-0"

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8/5/2021 6:28:55 AM

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

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FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
EBF FRAME ELEVATIONS

DSA APPROVAL

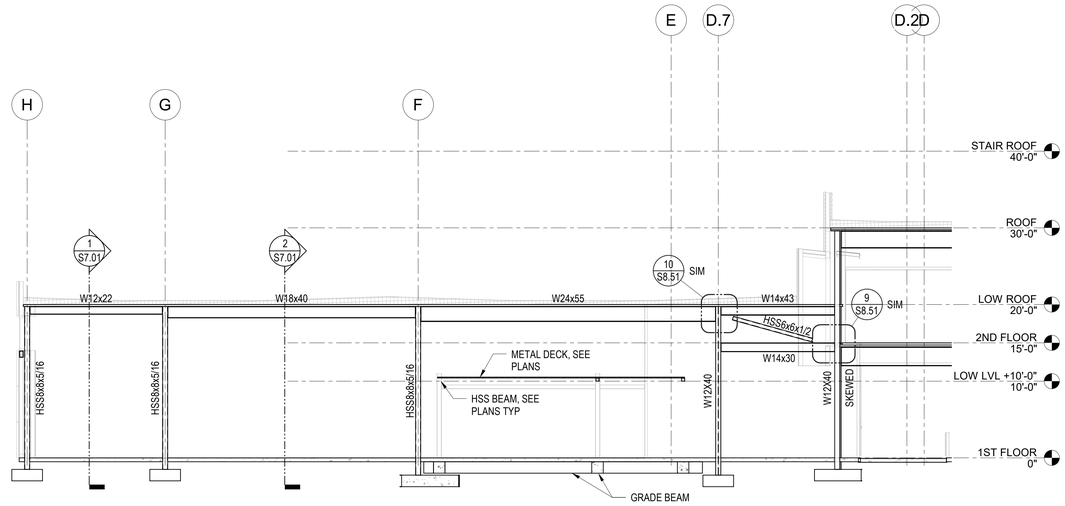
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

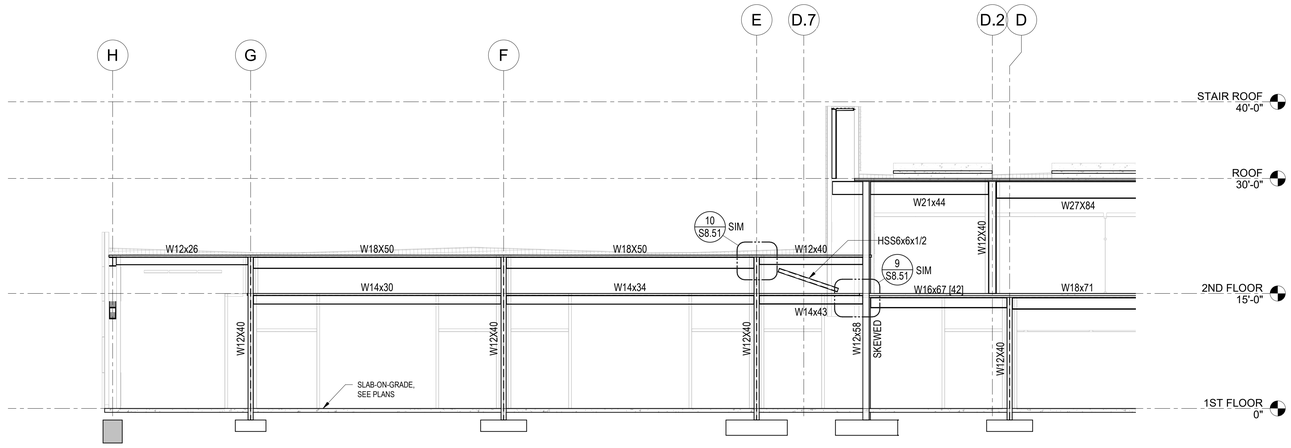
S5.10

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



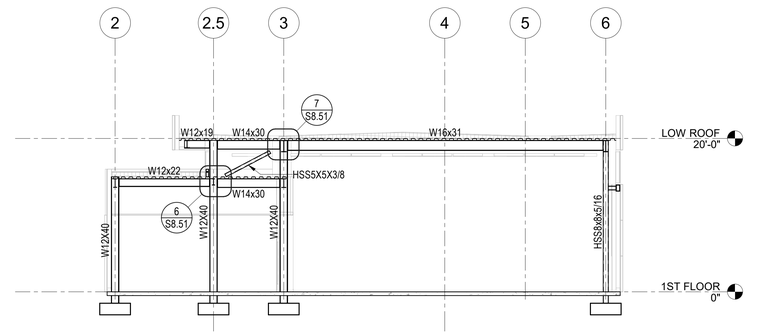
MISCELLANEOUS ELEVATION **C**

SCALE: 1/8" = 1'-0"



MISCELLANEOUS ELEVATION **B**

SCALE: 1/8" = 1'-0"



MISCELLANEOUS ELEVATION **A**

SCALE: 1/8" = 1'-0"

8/5/2021 6:29:59 AM

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ONTARIO, CA 91764
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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Pasadena, CA 91101
Telephone 626.304.2616
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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER MUHAMMAD SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MISCELLANEOUS ELEVATIONS

DSA APPROVAL

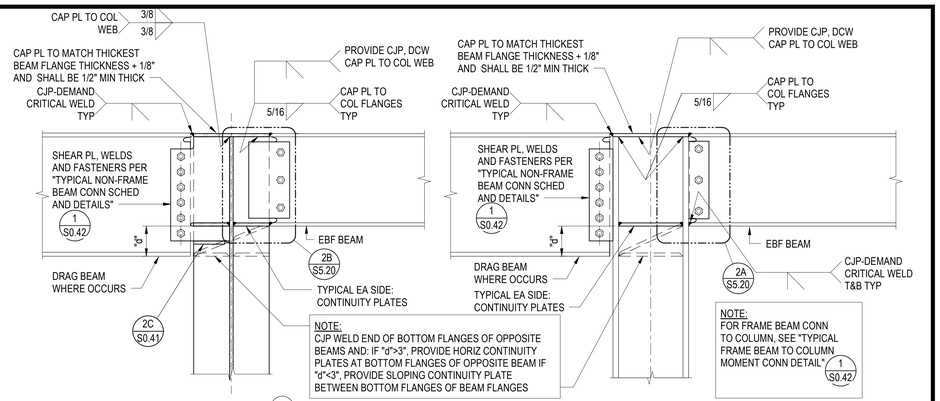
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S5.11

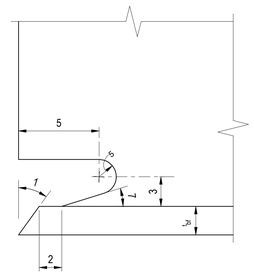
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



TYPICAL EBF BEAM TO TOP OF COLUMN CONNECTIONS

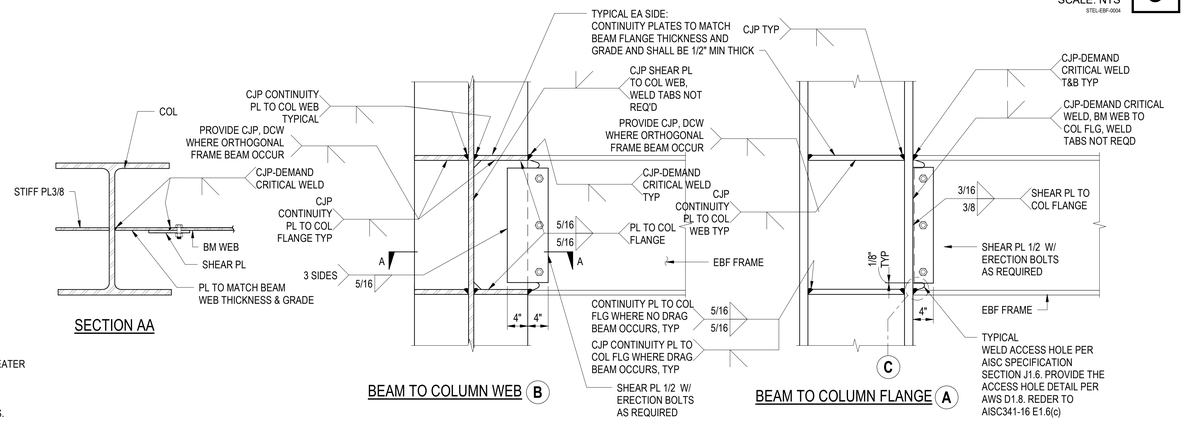
SCALE: NTS STEL-EBF-0004

3



NOTES:
1. BEVEL AS REQUIRED FOR THE WPS.
2. ⅜ OR 1/2" WHICHEVER IS LARGER (+1/2 ⅛, OR -1/4 ⅛).
3. THE MINIMUM DIMENSION SHALL BE 3/4 ⅛, OR 3/4" , WHICHEVER IS GREATER THE MAXIMUM DIMENSION SHALL BE ⅛(+1/4").
4. 3/8" ⅛(± 1/2").
5. 3 ⅛(± 1/2").
6. SEE AWS D1.8 SECTION 6.10.2.1 FOR SURFACE ROUGHNESS REQUIREMENTS.
7. TOLERANCES SHALL NOT ACCUMAULATE TO THE EXTENT THAT THE ANGLE OF THE ACCESS HOLE CUT TO THE FLANGE SURFACE EXCEEDS 25°.

DETAIL C

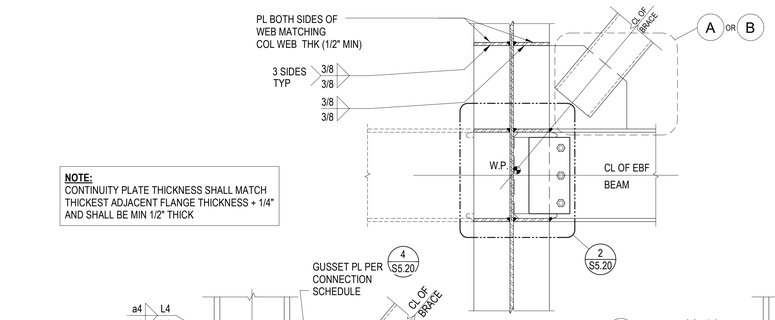


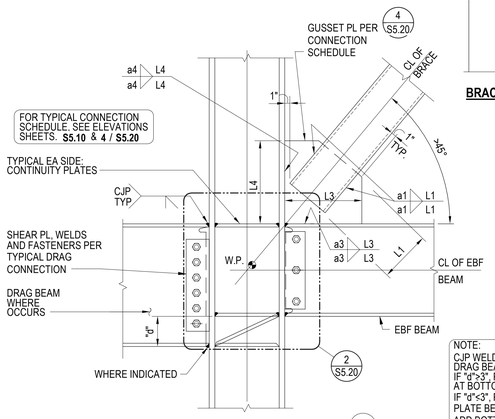
NOTES:
1. WHERE STEEL BACKING IS USED IN CJP BEAM FLANGE GROOVE WELDS, STEEL BACKING AND TABS SHALL BE REMOVED, EXCEPT THAT TOP FLANGE BACKING ATTACHED TO THE COLUMN BY A CONTINUOUS FILLET WELD ON THE EDGE BELOW THE CJP GROOVE WELD NEED NOT BE REMOVED.
2. FOLLOWING THE REMOVAL OF BACKING, THE ROOT PASS SHALL BE BACKGOUGED TO SOUND WELD METAL AND BACKWELDED WITH A 5/16" MINIMUM REINFORCING FILLET.
3. WELD TAB REMOVAL SHALL EXTEND TO WITHIN 1/8" OF THE BASE METAL.
4. CONTINUITY PLATE CLIPS SHALL COMPLY WITH AISC 341.

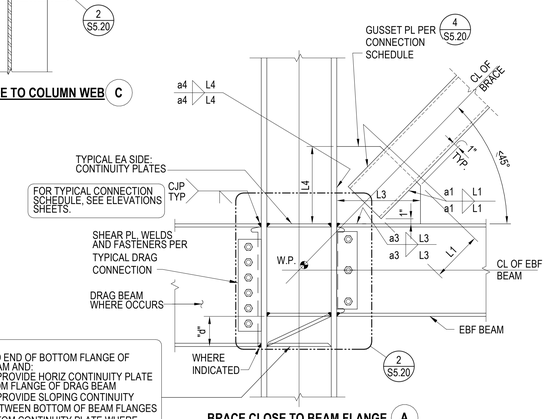
TYPICAL EBF BEAM TO COLUMN MOMENT CONNECTION DETAILS

SCALE: NTS STEL-EBF-0003

2



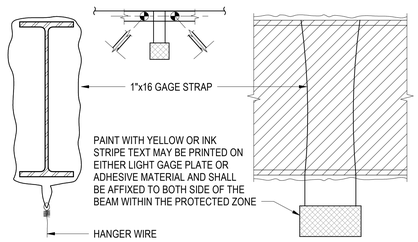




TYPICAL EBF HSS BRACE TO BEAM AND COLUMN CONNECTIONS

SCALE: NTS STEL-EBF-0002

1



WARNING SIGN
"IT IS PROHIBITED TO ATTACH AND TO CAUSE PENETRATION OR DAMAGE TO THE PROTECTED ZONES OF EBF.
THESE PROHIBITED CONDITIONS INCLUDE BOLTS, HOLES, SCREWS, SHOT PINS, WELDS AND TACK WELDS (PERMANENT OR TEMPORARY). FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY CAUSE THE REPLACEMENT OF STEELS."
DO NOT MOVE OR REMOVE THIS SIGN

TYPICAL WARNING SIGN AT PROTECTED ZONE DETAIL

SCALE: NTS STEL-EBF-0008

5

CONNECTION SCHEDULE																		
BRACE MARK	GUSSET PL THICKNESS (ASTM A572 GR 50)	WELDING														STIFFENER PL THICKNESS (ASTM A572 GR 50 KSI)	DOUBLER PL THICKNESS (ASTM A572 GR 50 KSI)	REMARKS
		a1	L1	a2	L2	a3	L3	a4	L4	a5	L5	a6	L6	a7	L7 MIN			
A	3/4"	1/2"	18"	5/16"	27"	--	--	--	--	1/2"	14"	5/8"	30"	1/2"	14"	1/2"	--	
B	1/2"	1/2"	16"	5/16"	27"	--	--	--	--	1/2"	14"	1/2"	27"	1/2"	10"	1/2"	--	
C	1"	5/8"	16"	5/16"	27"	--	--	--	--	1/2"	10"	5/8"	37"	1/2"	20"	1/2"	--	
D	3/4"	1/2"	16"	5/16"	20"	--	--	--	--	1/2"	12"	5/8"	32"	1/2"	14"	1/2"	--	
E	1"	1/2"	16"	5/16"	27"	--	--	--	--	5/8"	18"	5/8"	27"	1/2"	10"	1/2"	--	
F	1/2"	1/2"	16"	5/16"	27"	1/2"	18"	1/2"	21"	--	--	--	--	1/2"	12"	1/2"	--	
G	3/4"	1/2"	16"	5/16"	27"	1/2"	14"	1/2"	26"	--	--	--	--	1/2"	15"	1/2"	--	
H	1"	1/2"	12"	5/16"	24"	5/8"	22"	5/8"	22"	--	--	--	--	1/2"	10"	1/2"	--	

NOTE: SEE TYPICAL EBF DETAILS ON SHEET S5.20 & 5.21 FOR WELDS AND DETAIL 1&2 S5.21 FOR STIFFENER PLATE.

EBF CONNECTION SCHEDULE

SCALE: NTS

4

8/5/2021 8:29:03 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
STEEL EBF SCHEDULE AND DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

S5.20

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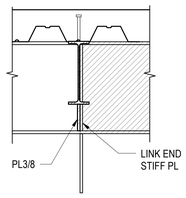
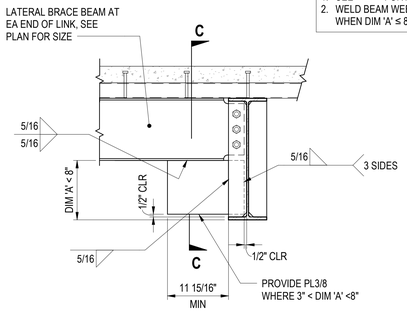
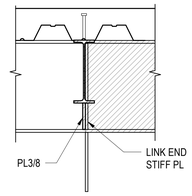


SECTION C-C

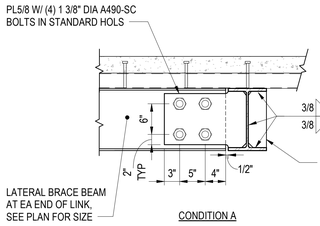
NOTE:
1. SEE (A) FOR ALL OTHER INFO.
2. WELD BEAM WEB WITH LINK END STIFF AS SHOWN, WHEN DIM 'A' ≤ 8".



CONDITION B (@ **D / S5.10**, **F / S5.10**)

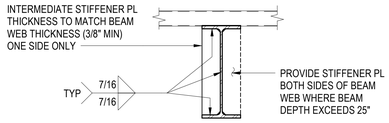


SECTION C-C

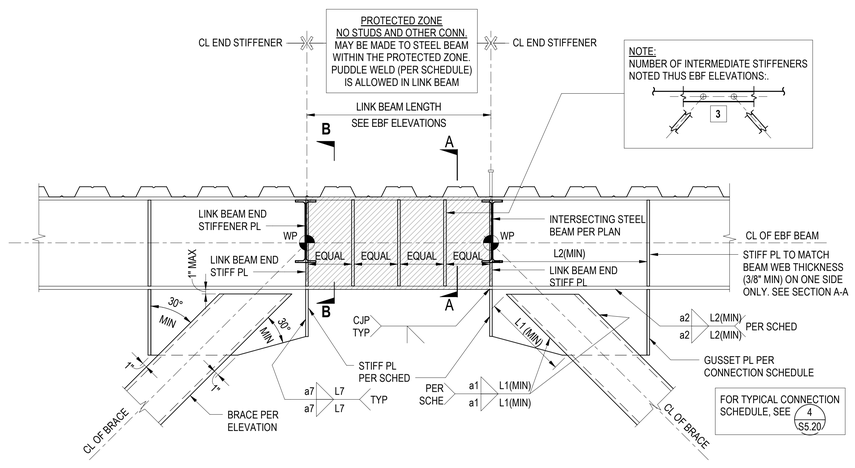


CONDITION A

SECTION B-B



SECTION A-A



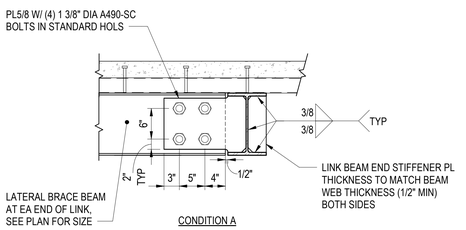
NOTE: PROPORTION GUSSET PL'S WITH MIN. SIZE REQUIRED TO ALOW FOR SCHEDULED WELD LENGTHS +2" TO ALLOW FOR CONST. TOLERANCE.

TYPICAL NON-COMPOSITE EBF HSS BRACE TO BEAM CONNECTION 2

SCALE: NTS

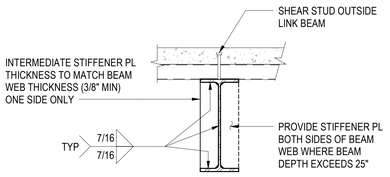
STEL-EBF-0005c

CONDITION B (@ **D / S5.10**, **F / S5.10**)

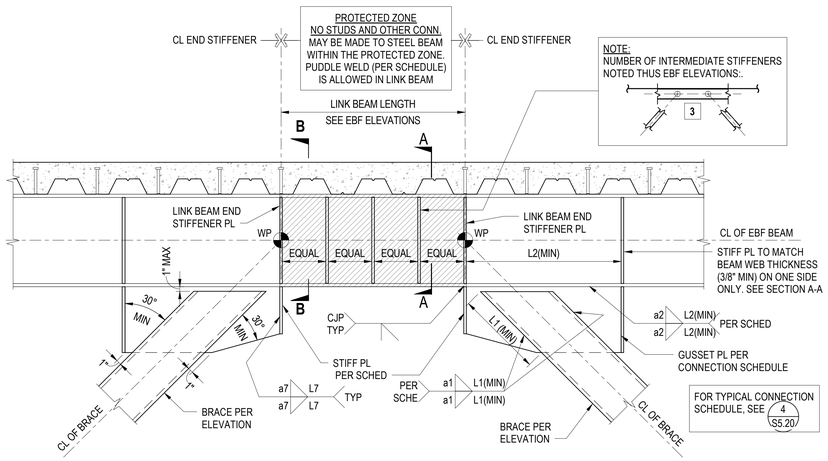


CONDITION A

SECTION B-B



SECTION A-A



NOTE: PROPORTION GUSSET PL'S WITH MIN. SIZE REQUIRED TO ALOW FOR SCHEDULED WELD LENGTHS +2" TO ALLOW FOR CONST. TOLERANCE.

TYPICAL COMPOSITE EBF HSS BRACE TO BEAM CONNECTION 1

SCALE: NTS

STEL-EBF-0005a

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AGENCY APPROVAL:

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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CONSULTANT

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REGISTERED PROFESSIONAL ENGINEER
SAIFUL BOUQUET
No. 40637
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

STEEL EBF DETAILS

DSA APPROVAL

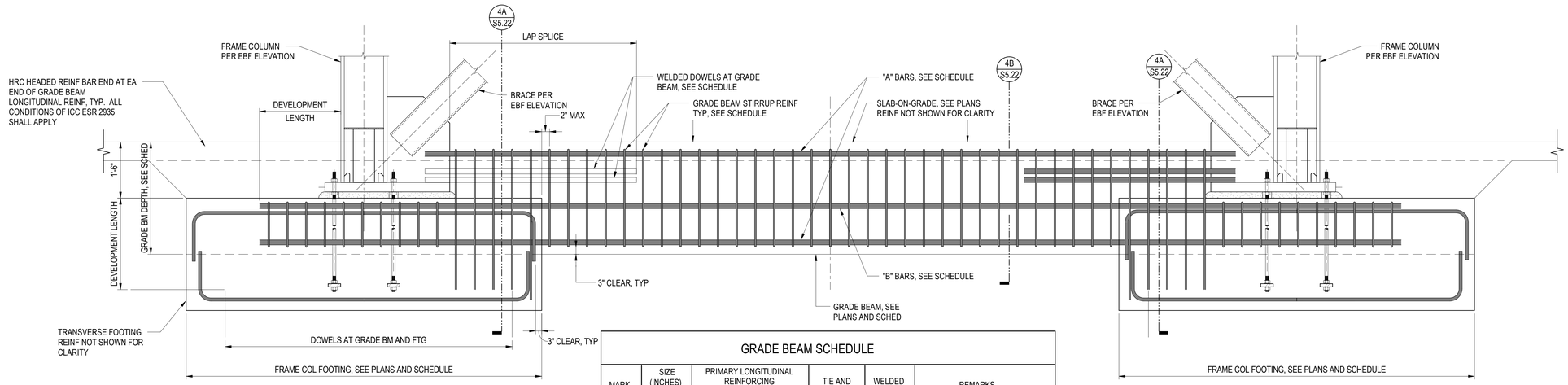
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

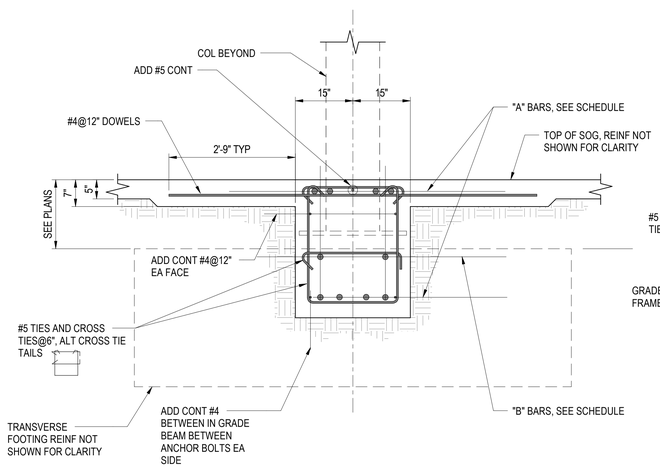
S5.21

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL DRAWING SHEETS (ORIGINAL SPACE SIZE)



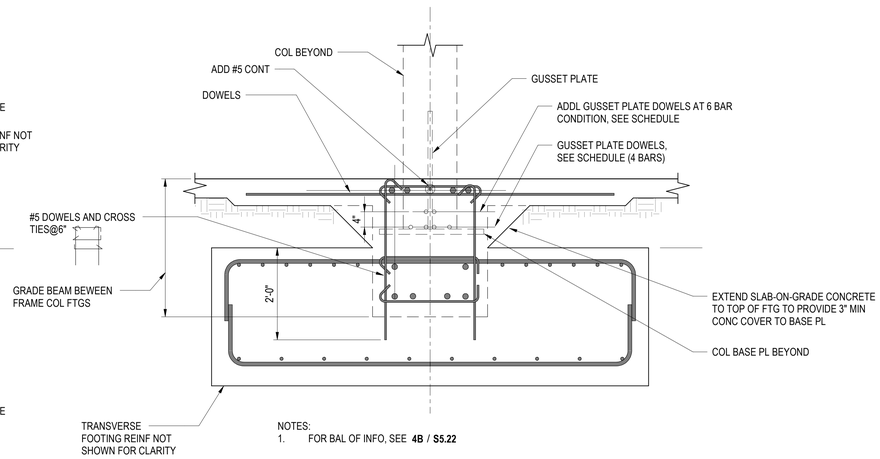
GRADE BEAM SCHEDULE

MARK	SIZE (INCHES) WIDTH b	SIZE (INCHES) DEPTH d	PRIMARY LONGITUDINAL REINFORCING A BARS	PRIMARY LONGITUDINAL REINFORCING B BARS	TIE AND CROSS TIES	WELDED DOWELS	REMARKS
GB1	30	42	4-#11	2-#11	#5@6"	6-#10	10 TOTAL LONGITUDINAL BARS
GB2	30	36	4-#11	2-#9	#5@6"	6-#9	10 TOTAL LONGITUDINAL BARS
GB3	30	36	4-#9	2-#9	#5@6"	4-#10	10 TOTAL LONGITUDINAL BARS



GRADE BEAM ELEVATION 4B

SCALE: NTS



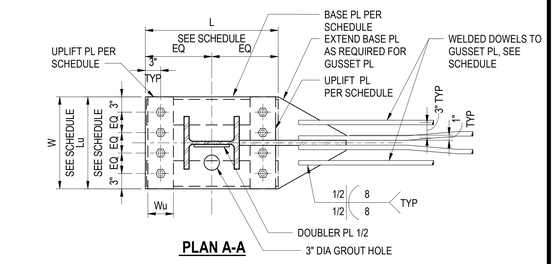
NOTES:
1. FOR BAL OF INFO, SEE **4B / S5.22**

GRADE BEAM ELEVATION 4A

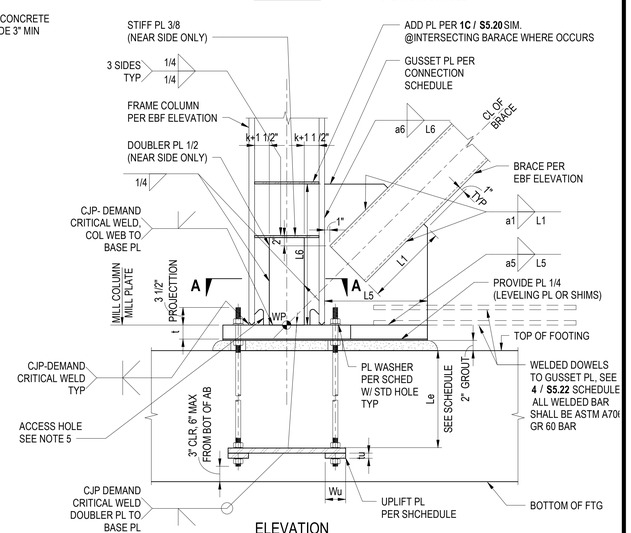
SCALE: NTS

TYPICAL EBF COLUMN BASE PLATE SCHEDULE & DETAIL 4

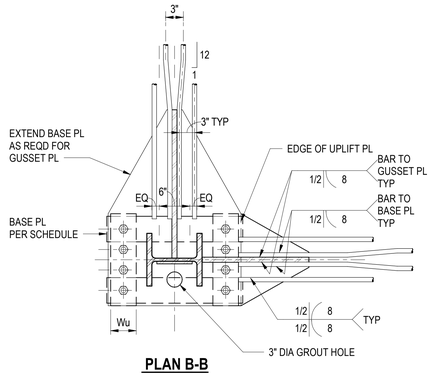
SCALE: NTS
STEL-EBF-0001a



PLAN A-A



ELEVATION



PLAN B-B

NOTE: FOR BALANCE OF INFORMATION SEE **PLAN DETAIL A-A**

BASE PLATE SCHEDULE						
MARK	BASE PLATE (ASTM A572 GR 50,UNO) (L x W x t)	ANCHOR BOLTS (F1554, GR105)	ANCHOR BOLTS EMBEDMENT LENGTH (Le)	UPLIFT PLATE* (Lu x Wu x tu)	PLATE WASHER (GR 50) (L x W x t)	REMARKS
BP1	27"x27"x2 1/4"	(8) - 1 1/2" DIA	24" SEE NOTE 3	27"x6"x2"	3 1/2x3 1/2x1/2"	PLAN A-A
BP2	27"x27"x2"	(8) - 1 1/4" DIA	20" SEE NOTE 3	27"x6"x2"	3"x3"x1/2"	PLAN A-A
BP3	27"x27"x1 5/8"	(8) - 1" DIA	18" SEE NOTE 3	27"x6"x2"	3"x3"x3/8"	PLAN A-A
BP4	27"x27"x2"	(8) - 1 1/4" DIA	20" SEE NOTES 3	27"x6"x2"	3"x3"x1/2"	PLAN B-B

NOTES
1. PLATE WASHERS SIZE & THK ON THE SCHED ARE THE MINIMUM REQUIREMENT, PLATE WASHER SHALL HAVE STANDART HOLE
2. FOR TYPICAL BF CONNECTION SCHEDULE, SEE ELEVATIONS SHEETS AND SHEET S5.20 AND S5.21
3. Le SHOWN IS MINIMUM EMBEDMENT LENGTH - EXTEND ANCHOR BOLTS AS SHOWN ON ELEVATION
4. SEE **4 / S5.22** FOR GRADE BEAM INFORMATION, GRADE BEAM NOT SHOWN FOR CLARITY
5. FOR WELD ACCESS HOLE DETAIL, SEE AWS D1.8. REFER TO AISC341-16 E1.6(c)

TYPICAL EBF COLUMN BASE PLATE SCHEDULE & DETAIL 1

SCALE: NTS
STEL-EBF-0001a

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

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Telephone 626.304.2616
www.saifulbouquet.com

SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

STEEL EBF SCHEDULE AND DETAILS

DSA APPROVAL

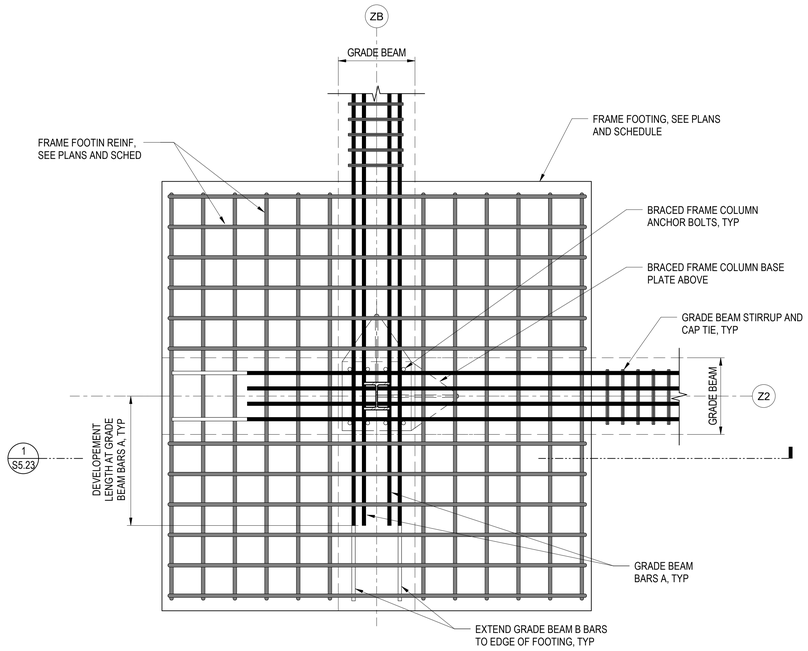
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S5.22

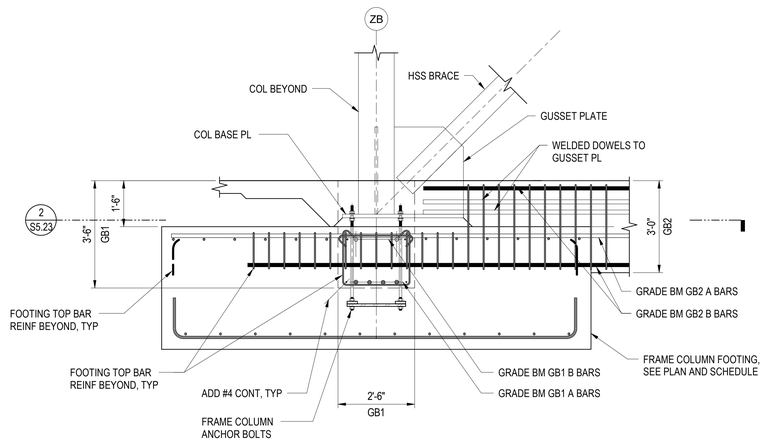
If the sheet is not 30"x42", it is a reduced print. Scale Accordingly.



NOTES:
1. TIES AT GRADE BEAM BARS A AND B INSIDE SPREAD FOOTING NOT SHOWN FOR CLARITY
2. FOR ADDITIONAL INFORMATION, SEE SHEET S5.22

GRADE BEAM ELEVATION 2

SCALE: 1/2" = 1'-0"



NOTES:
1. FOR BAL OF INFO, SEE DETAILS ON S5.22

GRADE BEAM ELEVATION 1

SCALE: 1/2" = 1'-0"

Agency Approval:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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DATE: 08/19/2021

File No.:

MT. SAC
Mt. San Antonio College

HMC Architects

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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Consultant:
saiful•bouquet structural engineers
155 N Lake Ave, 6th Floor
Pasadena, CA 91101
www.saifulbouquet.com
(626) 304-2616
Project #18683

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 Exp. 06/30/20 STRUCTURAL STATE OF CALIFORNIA

Consultant's Project No. 18683

Facility:

CHAFFEY COLLEGE | CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

Project:
CHINO INSTRUCTIONAL BUILDING

Sheet:
SECTIONS AND DETAILS

DSA APPROVAL

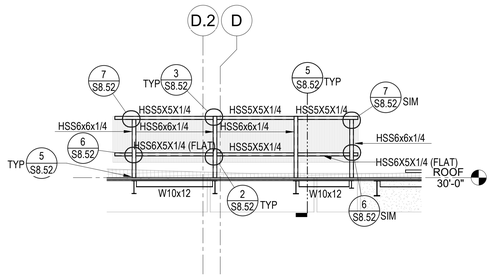
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

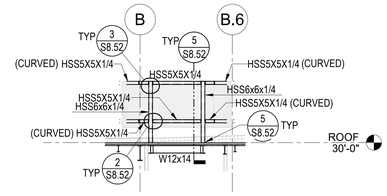
S5.23

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE



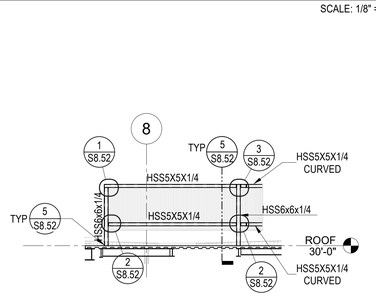
SCREEN WALL ELEVATION **12**

SCALE: 1/8" = 1'-0"



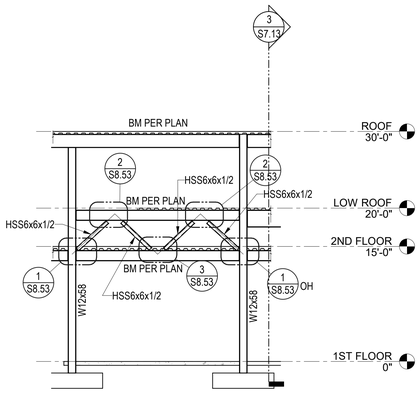
SCREEN WALL ELEVATION **11**

SCALE: 1/8" = 1'-0"



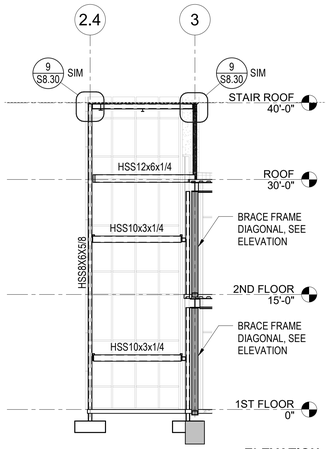
SCREEN WALL ELEVATION **10**

SCALE: 1/8" = 1'-0"



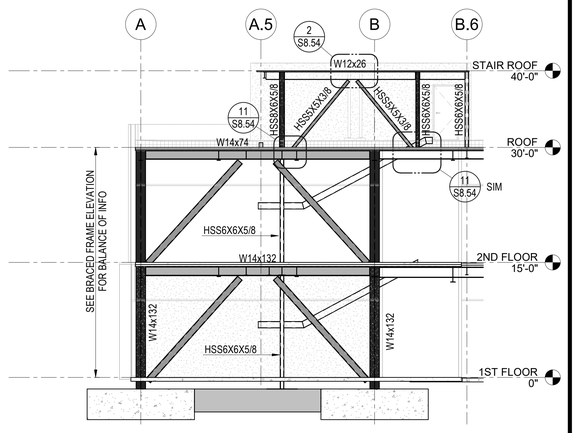
MISCELLANEOUS ELEVATION **13**

SCALE: 1/8" = 1'-0"



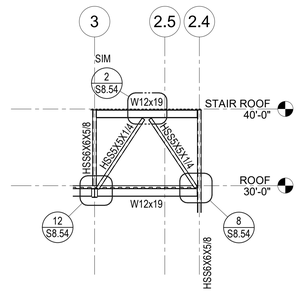
ELEVATION **4**

SCALE: 1/8" = 1'-0"



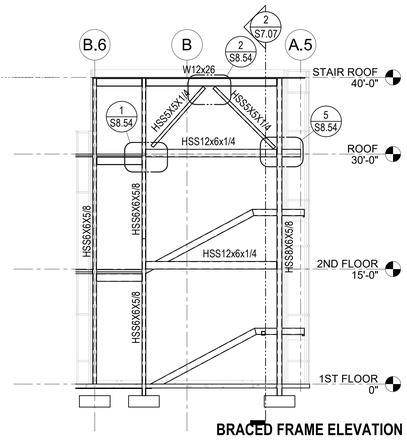
ELEVATION **3**

SCALE: 1/8" = 1'-0"



BRACED FRAME ELEVATION **2**

SCALE: 1/8" = 1'-0"



BRACED FRAME ELEVATION **1**

SCALE: 1/8" = 1'-0"

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155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER MUSTAFA SAIFUL BOUQUET No. SE 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MISCELLANEOUS ELEVATIONS

DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S5.30

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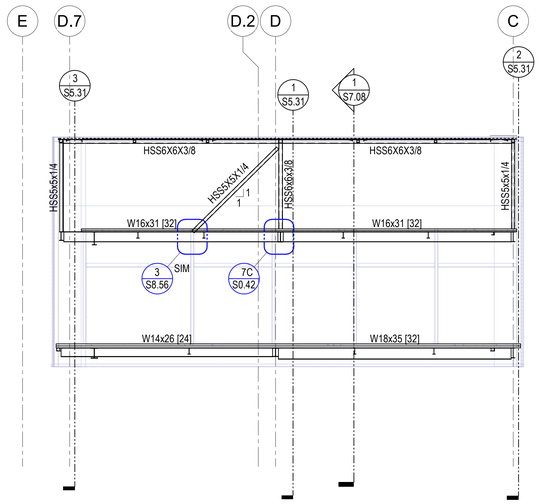

SECTION 4
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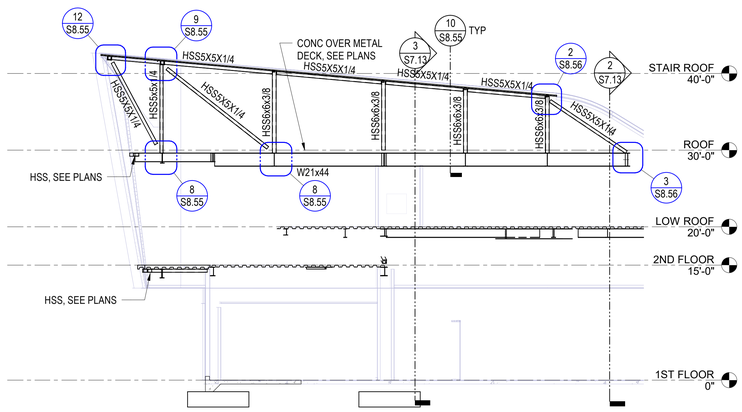

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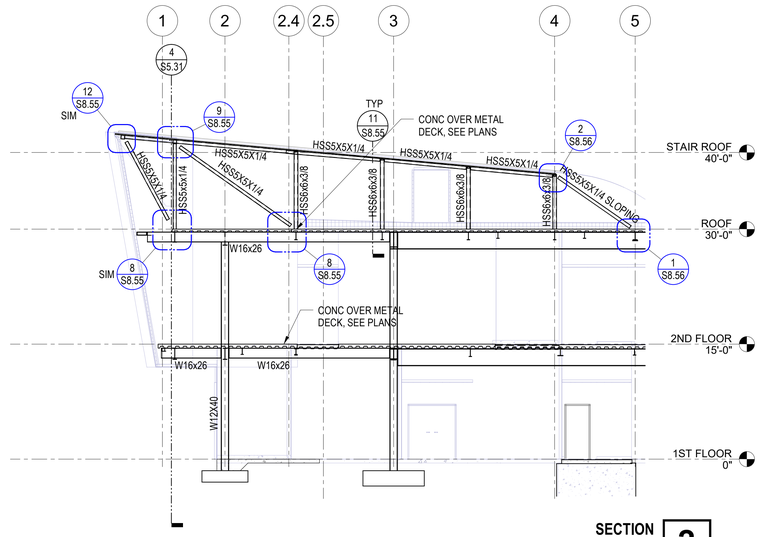
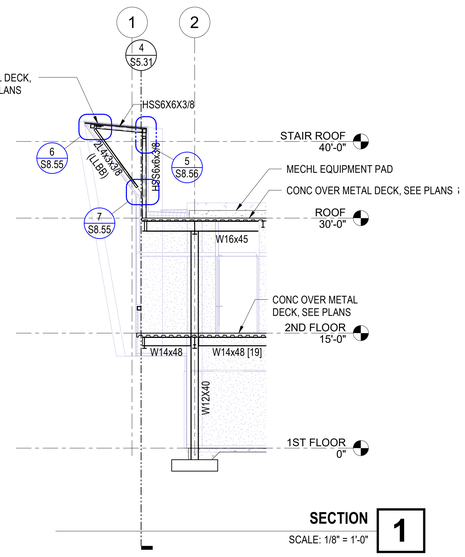


SECTION 2
SCALE: 1/8" = 1'-0"



SECTION 1
SCALE: 1/8" = 1'-0"

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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

MISCELLANEOUS ELEVATIONS

DSA APPROVAL

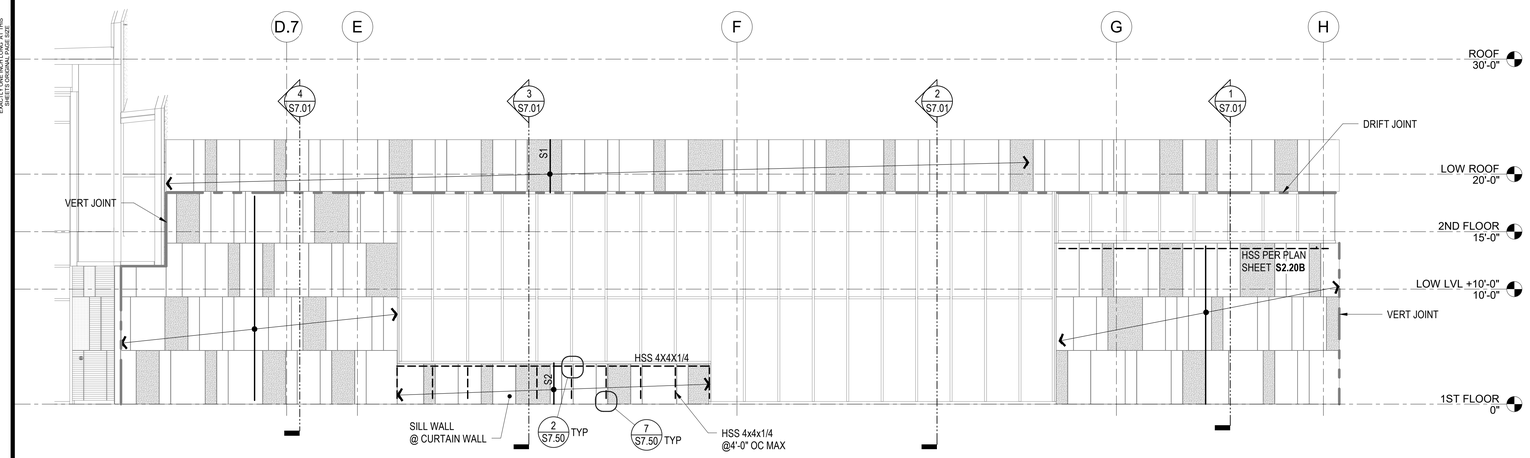
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

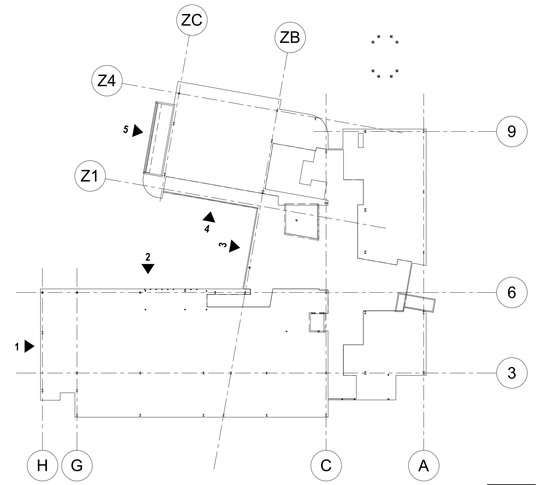
S5.31

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



EXTERIOR METAL STUD ELEVATION 2

SCALE: 3/16" = 1'-0"

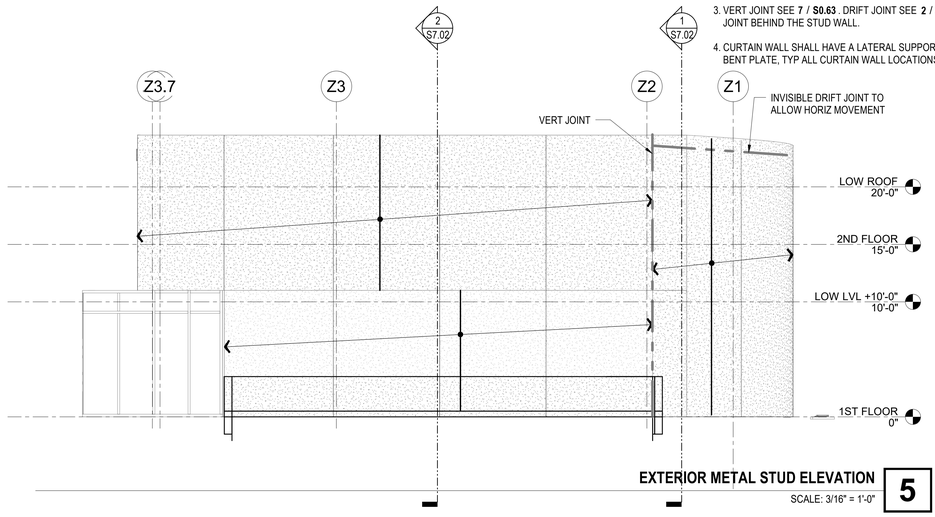


KEYPLAN A

SCALE: 1/32" = 1'-0"

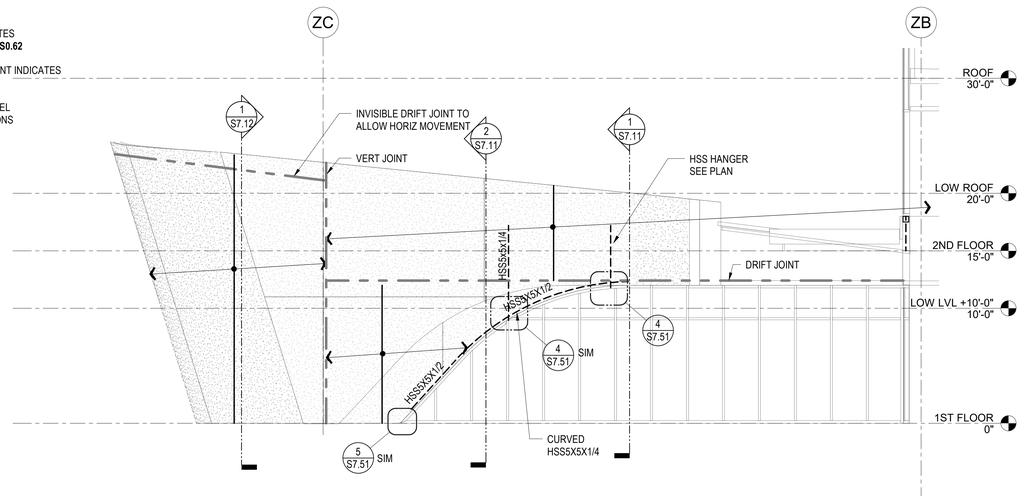
EXTERIOR METAL STUD WALL ELEVATION NOTES:

1. ALL METAL STUD ARE S1 (600S162-54 @16" OC) UNO. SEE SHEET **1** / **S0.62** FOR METAL STUD FRAMING SCHEDULE.
2. J1, H1 INDICATES LIGHT GAUGE HEADER AND JAMB. TH1, TJ1 INDICATES STRUCTURAL HSS TUBE HEADER AND JAMB. SEE SCHEDULE ON **1** / **S0.62**
3. VERT JOINT SEE **7** / **S0.63** . DRIFT JOINT SEE **2** / **S0.62**. INVISIBLE JOINT INDICATES JOINT BEHIND THE STUD WALL.
4. CURTAIN WALL SHALL HAVE A LATERAL SUPPORT AT THE ROOF LEVEL BENT PLATE, TYP ALL CURTAIN WALL LOCATIONS AND ALL ELEVATIONS



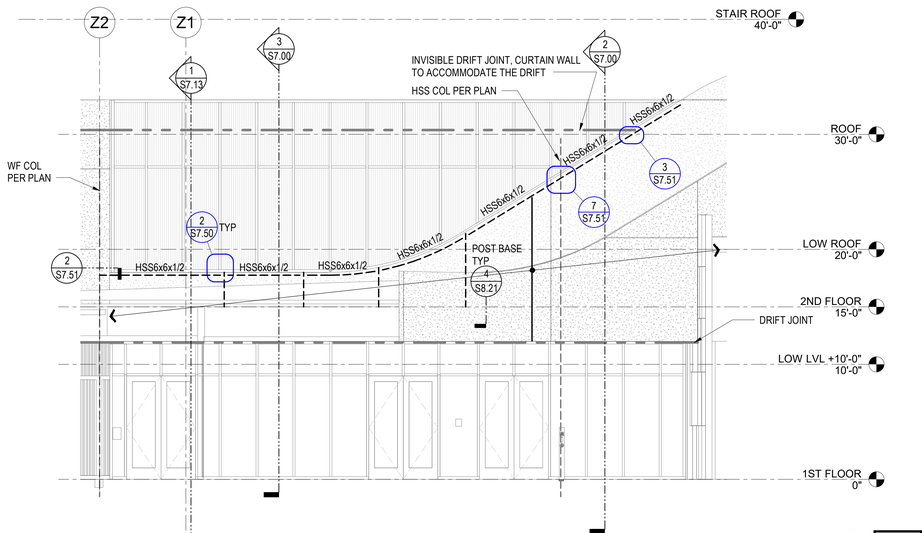
EXTERIOR METAL STUD ELEVATION 5

SCALE: 3/16" = 1'-0"



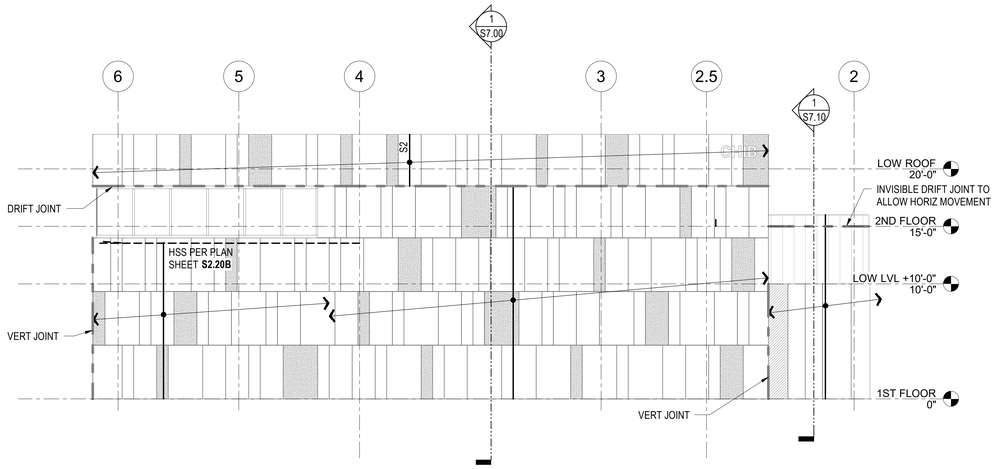
EXTERIOR METAL STUD ELEVATION 4

SCALE: 3/16" = 1'-0"



EXTERIOR METAL STUD ELEVATION 3

SCALE: 3/16" = 1'-0"



EXTERIOR METAL STUD ELEVATION 1

SCALE: 3/16" = 1'-0"

8/3/2021 6:29:33 AM

PLEASE RECYCLE

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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR STUD ELEVATIONS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S6.00

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET IF ORIGINAL SPACE SIZE

EXTERIOR METAL STUD WALL ELEVATION NOTES:
1. ALL METAL STUD ARE S1 (600S162-54 @16" OC) UNO.
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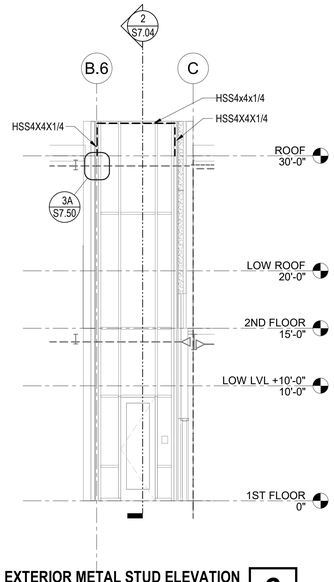
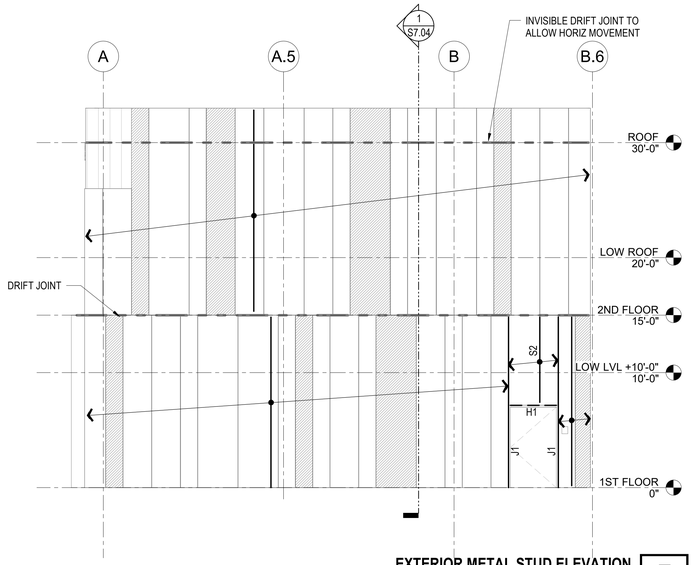
3. VERT JOINT SEE **7** / **S0.63**. DRIFT JOINT SEE **2** / **S0.62**. INVISIBLE JOINT INDICATES JOINT BEHIND THE STUD WALL.

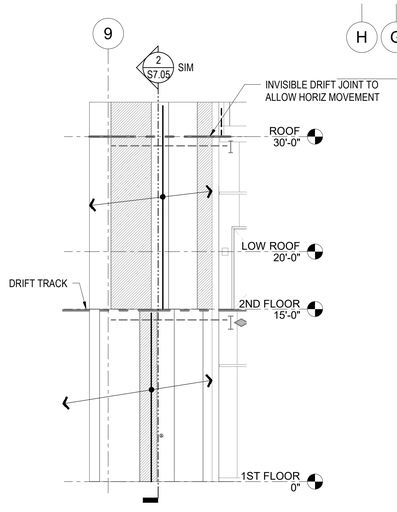
4. CURTAIN WALL SHALL HAVE A LATERAL SUPPORT AT THE ROOF LEVEL BENT PLATE, TYP ALL CURTAIN WALL LOCATIONS AND ALL ELEVATIONS



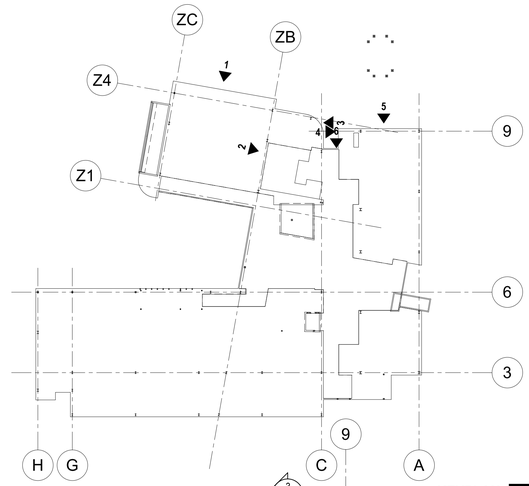
EXTERIOR METAL STUD ELEVATION 6
SCALE: 3/16" = 1'-0"



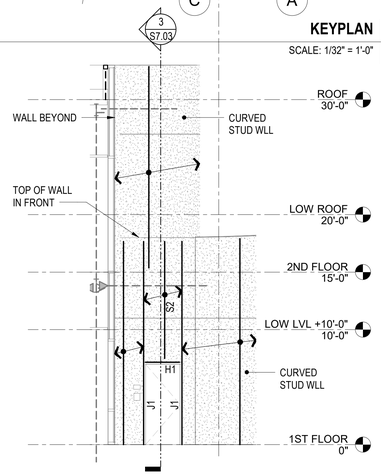
EXTERIOR METAL STUD ELEVATION 5
SCALE: 3/16" = 1'-0"



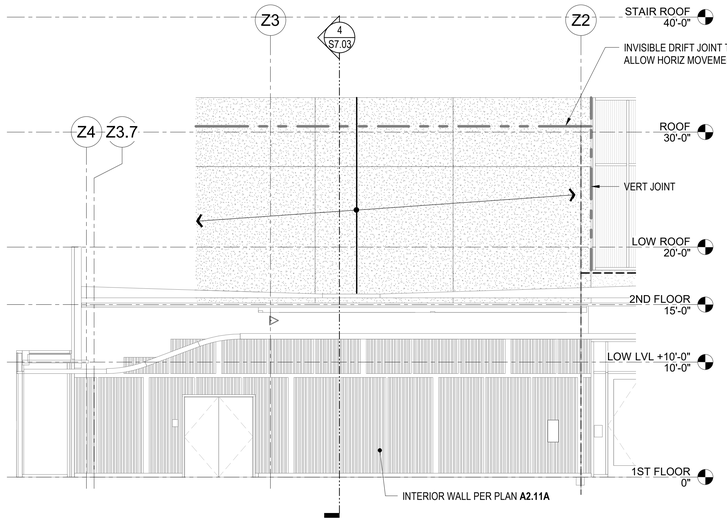
EXTERIOR METAL STUD ELEVATION 4
SCALE: 3/16" = 1'-0"



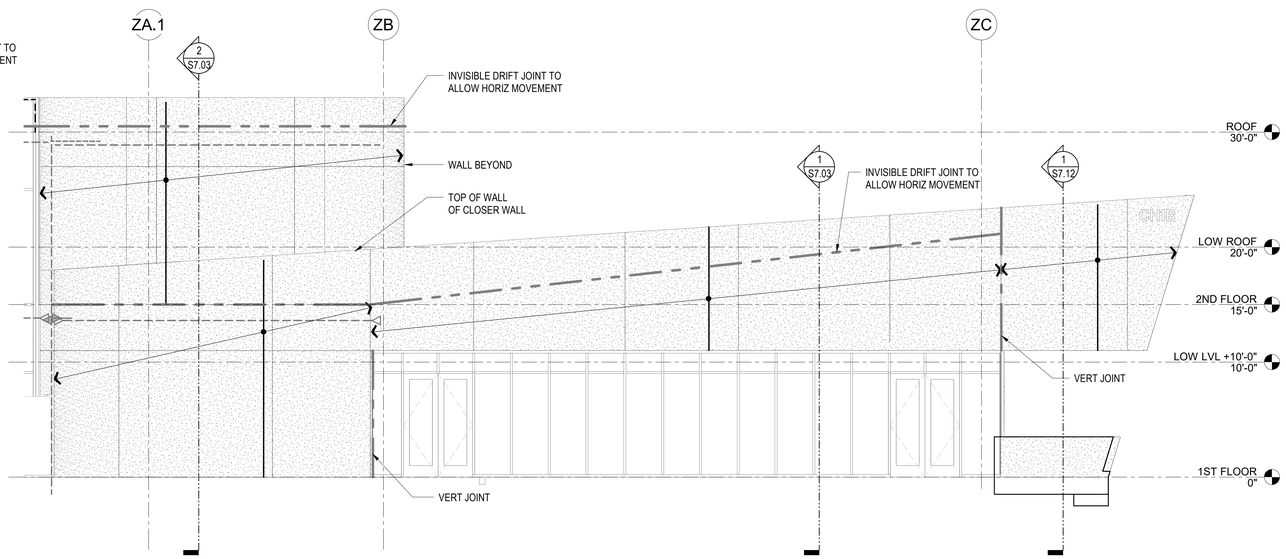
KEYPLAN
SCALE: 1/32" = 1'-0"
A



EXTERIOR METAL STUD ELEVATION 3
SCALE: 3/16" = 1'-0"



EXTERIOR METAL STUD ELEVATION 2
SCALE: 3/16" = 1'-0"



EXTERIOR METAL STUD ELEVATION 1
SCALE: 3/16" = 1'-0"

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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KEYNOTES

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CONSULTANT

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REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4063 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
EXTERIOR STUD ELEVATIONS

DSA APPROVAL
FILE NO.: 36-C1 A# : 04-119722
DATE: 08.05.2021 CLIENT PROJ NO:

SHEET:
S6.01

EXTERIOR METAL STUD WALL ELEVATION NOTES:

1. ALL METAL STUD ARE S1 (600S162-54 @16" OC) UNO. SEE SHEET **1 / S0.62** FOR METAL STUD FRAMING SCHEDULE.
2. J1, H1 INDICATES LIGHT GAUGE HEADER AND JAMB. TH1, TJ1 INDICATES STRUCTURAL HSS TUBE HEADER AND JAMB. SEE SCHEDULE ON **1 / S0.62**
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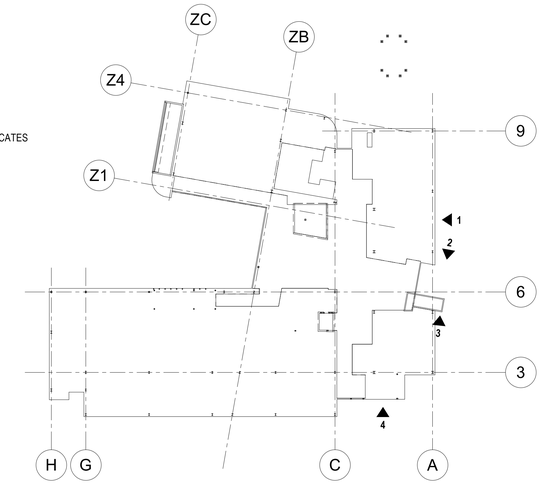
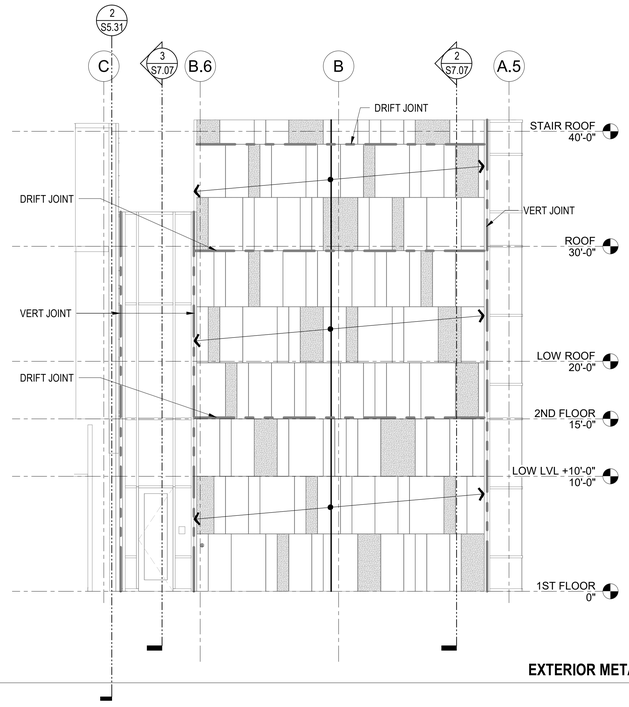


KEYPLAN

SCALE: 1/32" = 1'-0"

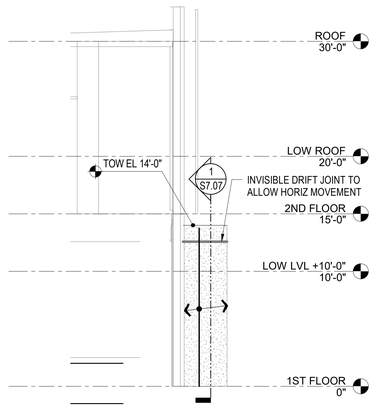
A



EXTERIOR METAL STUD ELEVATION

SCALE: 3/16" = 1'-0"

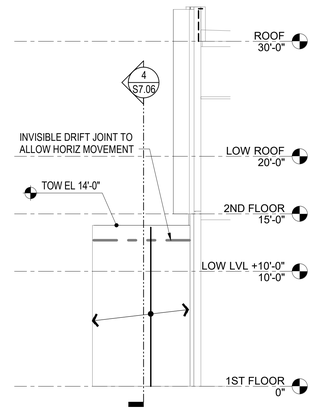
4



EXTERIOR METAL STUD ELEVATION

SCALE: 3/16" = 1'-0"

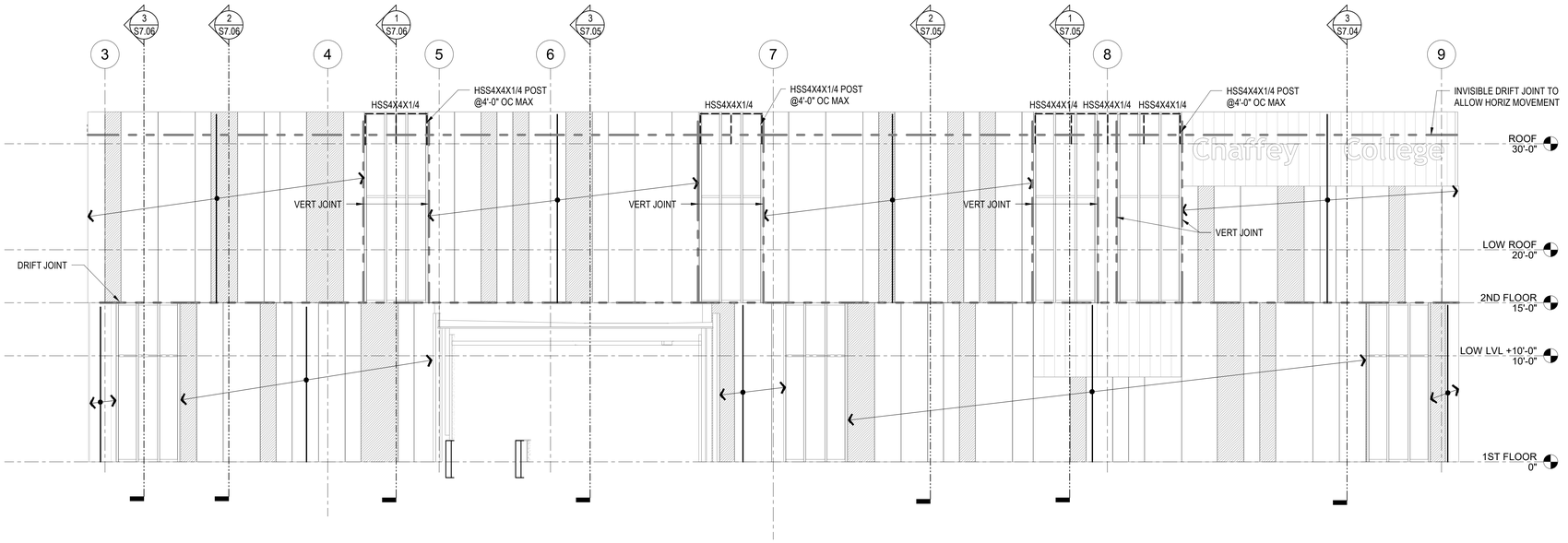
3



EXTERIOR METAL STUD ELEVATION

SCALE: 3/16" = 1'-0"

2



EXTERIOR METAL STUD ELEVATION

SCALE: 3/16" = 1'-0"

1

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4085 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR STUD ELEVATIONS

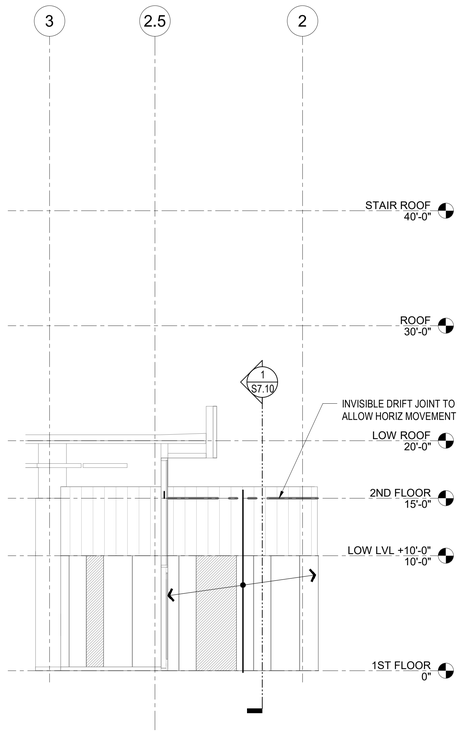
DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

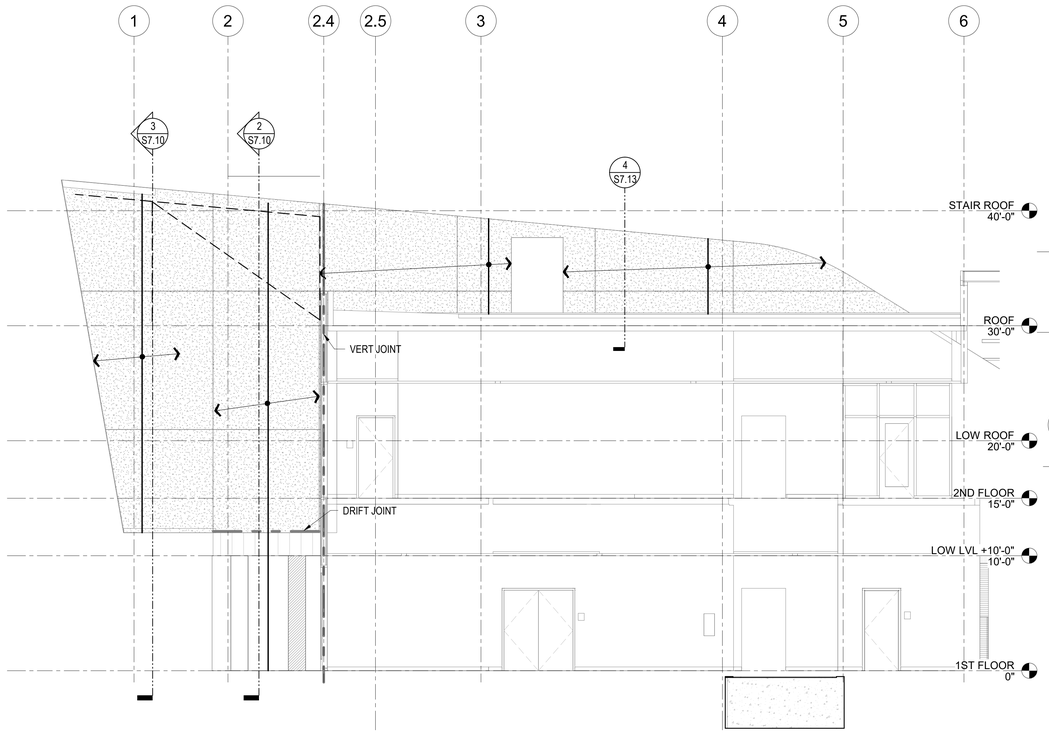
SHEET:

S6.02

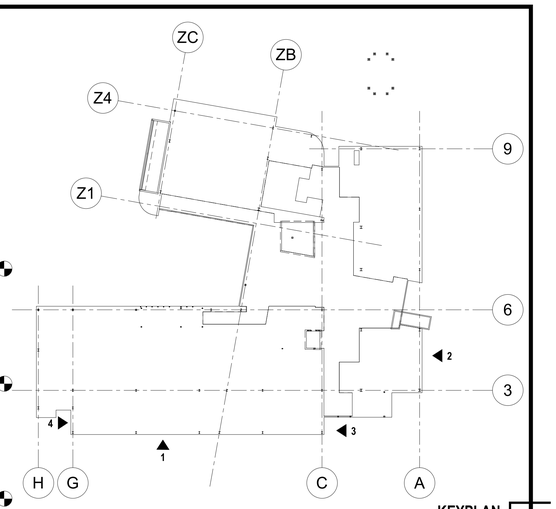
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



EXTERIOR METAL STUD ELEVATION **4**
SCALE: 3/16" = 1'-0"



EXTERIOR METAL STUD ELEVATION **3**
SCALE: 3/16" = 1'-0"



KEYPLAN **A**
SCALE: 1/32" = 1'-0"

EXTERIOR METAL STUD WALL ELEVATION NOTES:
1. ALL METAL STUD ARE S1 (600S162-54 @16" OC) UNO.
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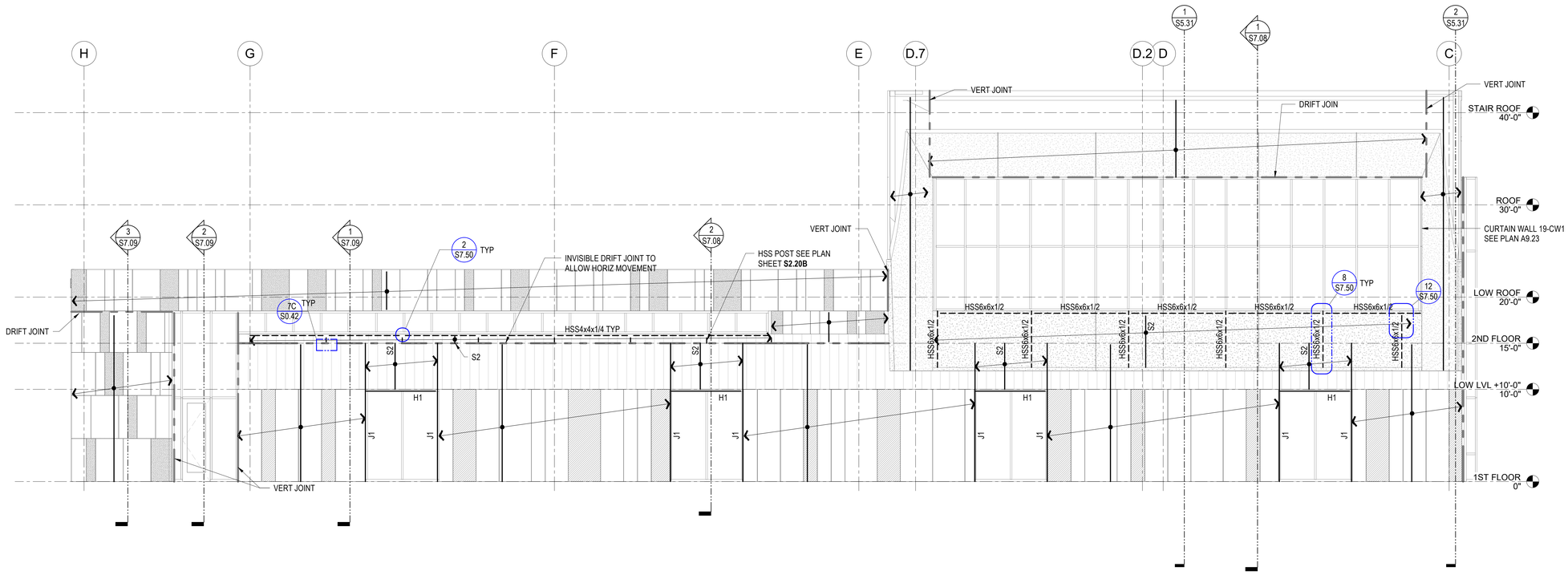

EXTERIOR METAL STUD ELEVATION **1**
SCALE: 3/16" = 1'-0"

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER MUSTAFA SAIFUL No. S 4053 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

EXTERIOR STUD ELEVATIONS

DSA APPROVAL

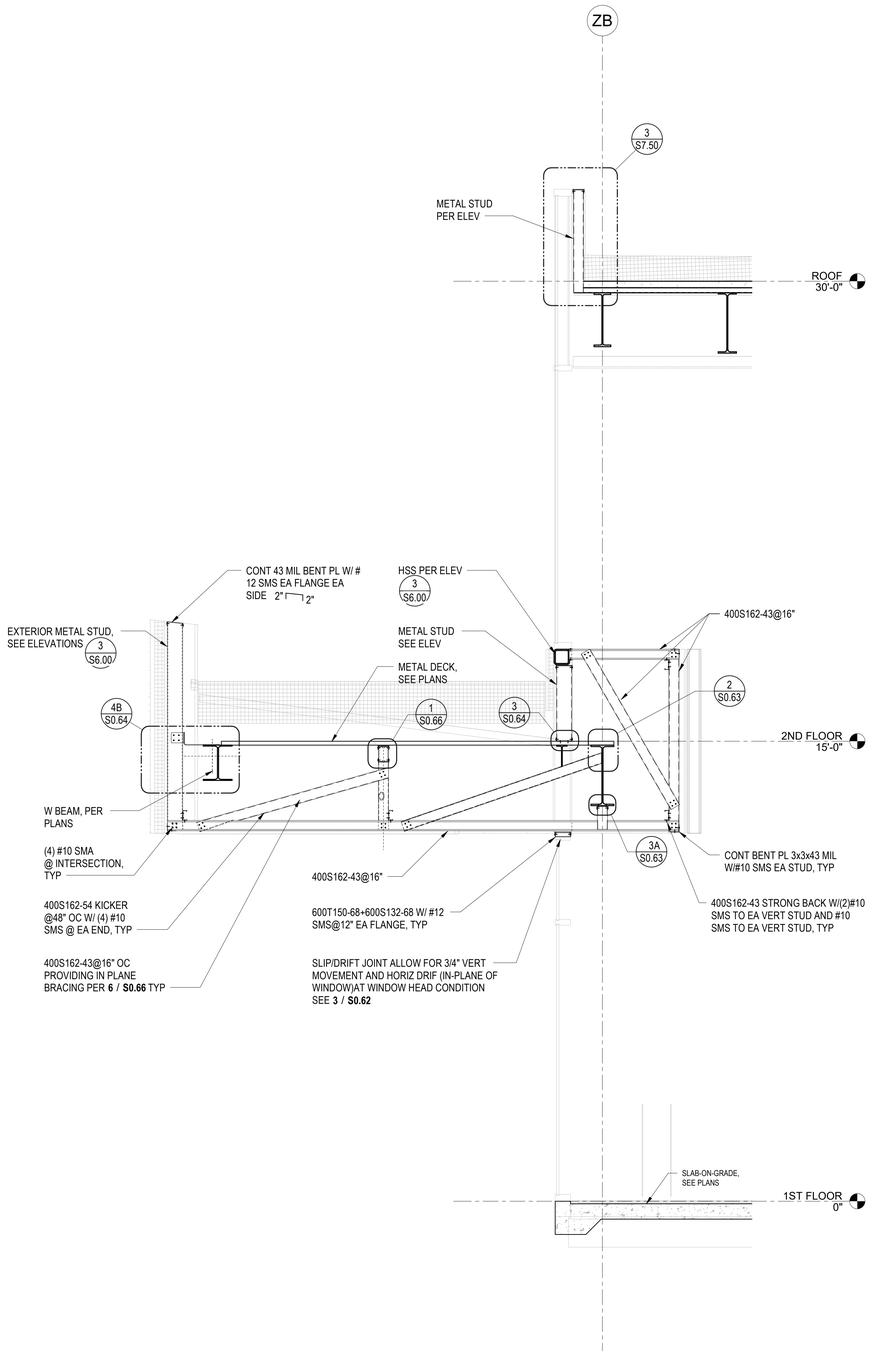
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

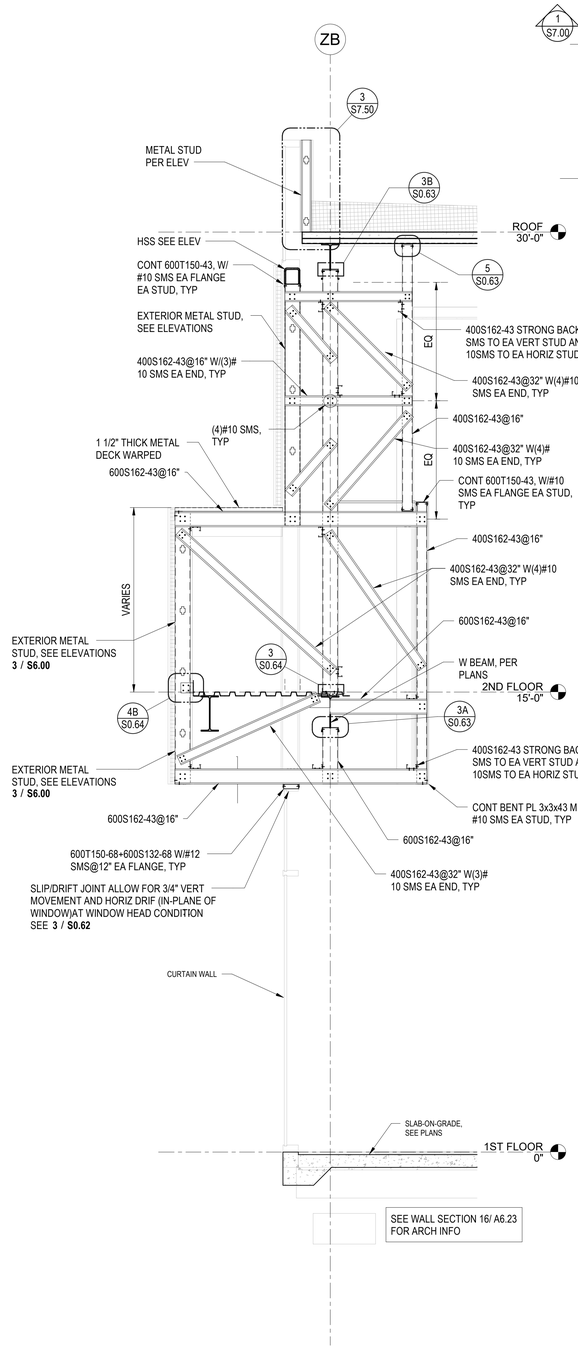
SHEET:

S6.03

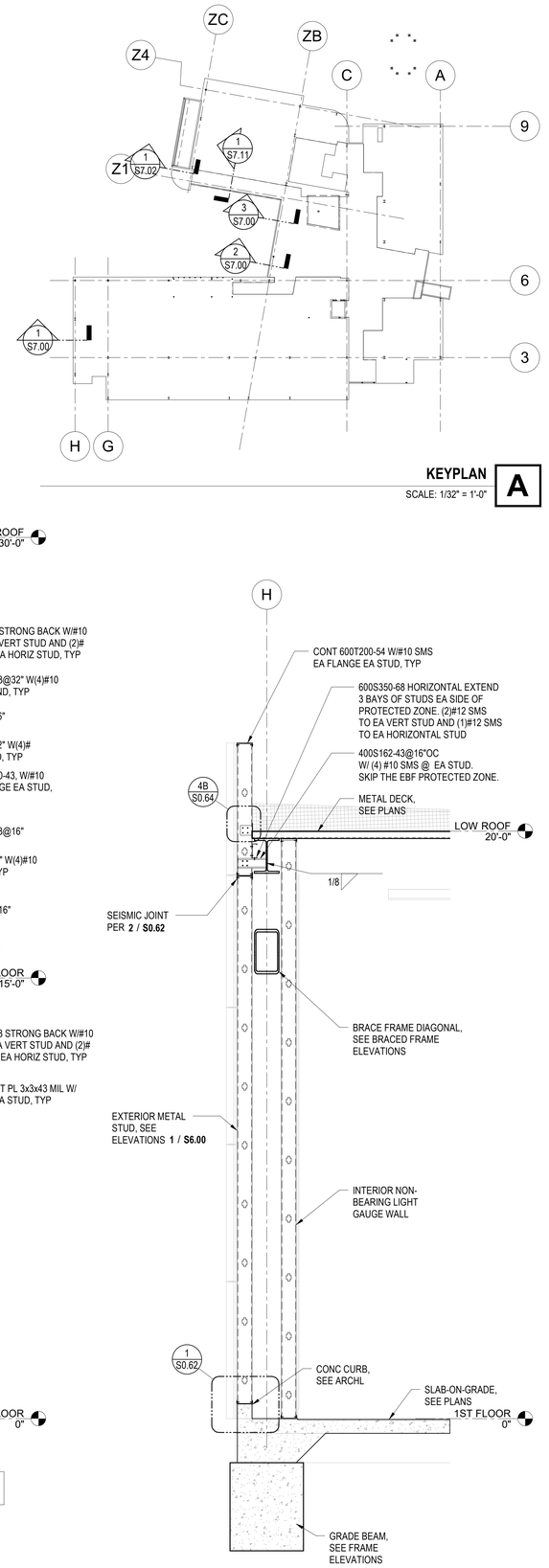
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE



WALL SECTION 3
SCALE: 1/2" = 1'-0"



WALL SECTION 2
SCALE: 1/2" = 1'-0"



WALL SECTION 1
SCALE: 1/2" = 1'-0"

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

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KEYNOTES

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
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www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
M. SAIFUL BOUQUET
No. 4083
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

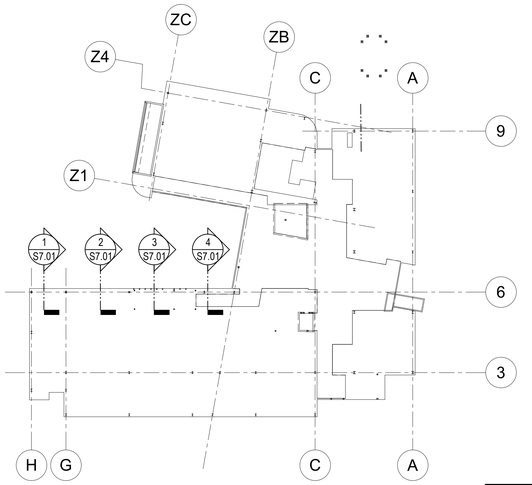
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

S7.00

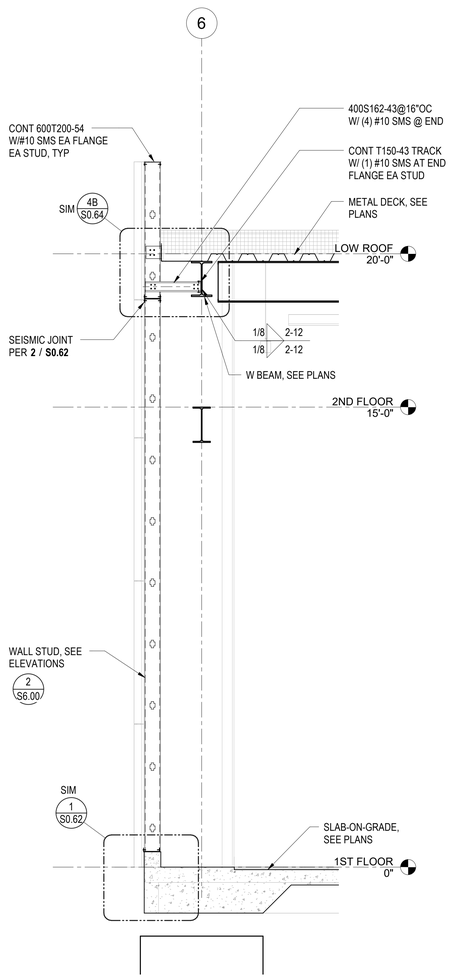
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE



KEYPLAN

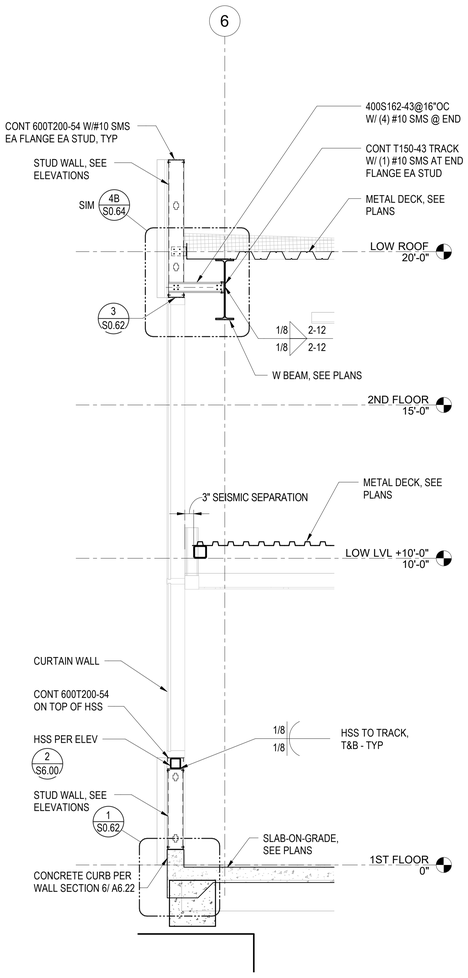
SCALE: 1/32" = 1'-0"

A



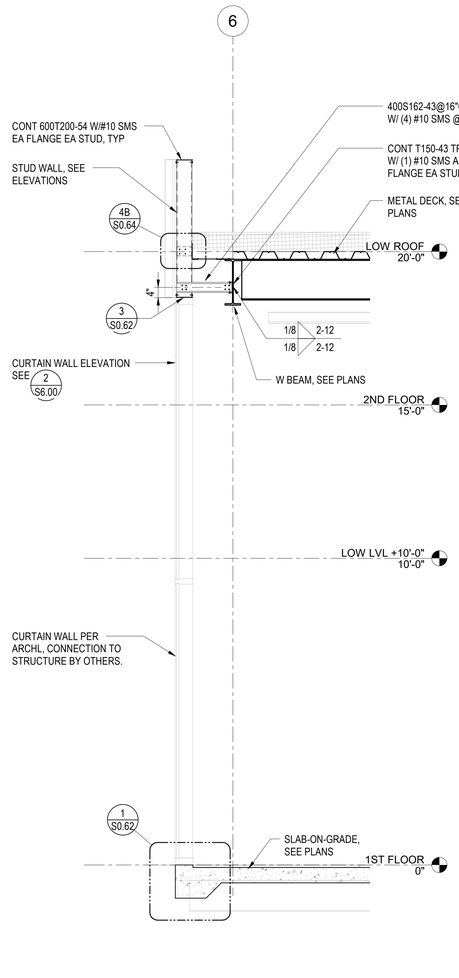
WALL SECTION **4**

SCALE: 1/2" = 1'-0"



WALL SECTION **3**

SCALE: 1/2" = 1'-0"



WALL SECTION **2**

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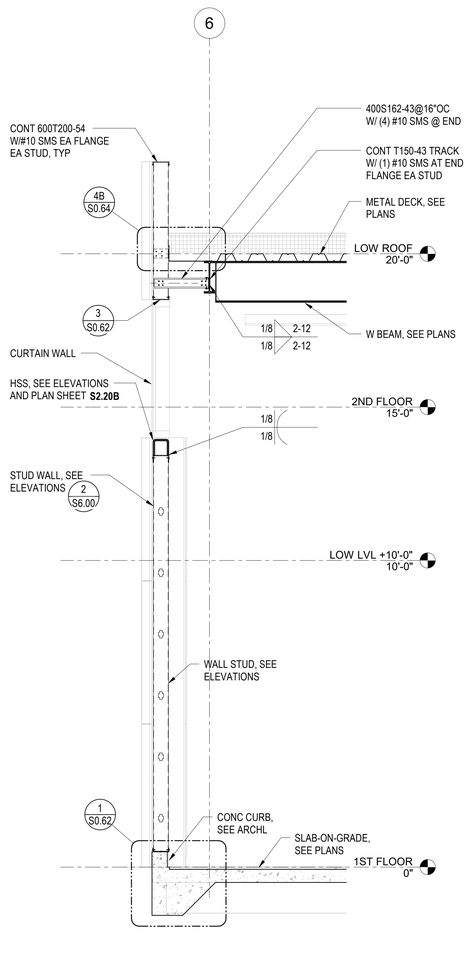

WALL SECTION **1**

SCALE: 1/2" = 1'-0"

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8/5/2021 6:29:39 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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CONSULTANT

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155 North Lake Avenue, 6th Floor
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Telephone 626.304.0516
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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER S. F. U. STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

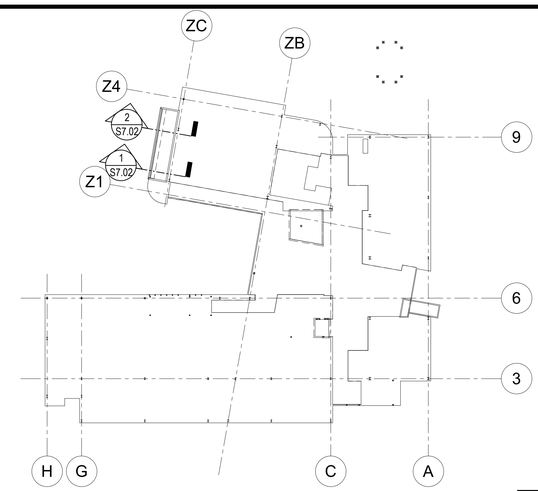
DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

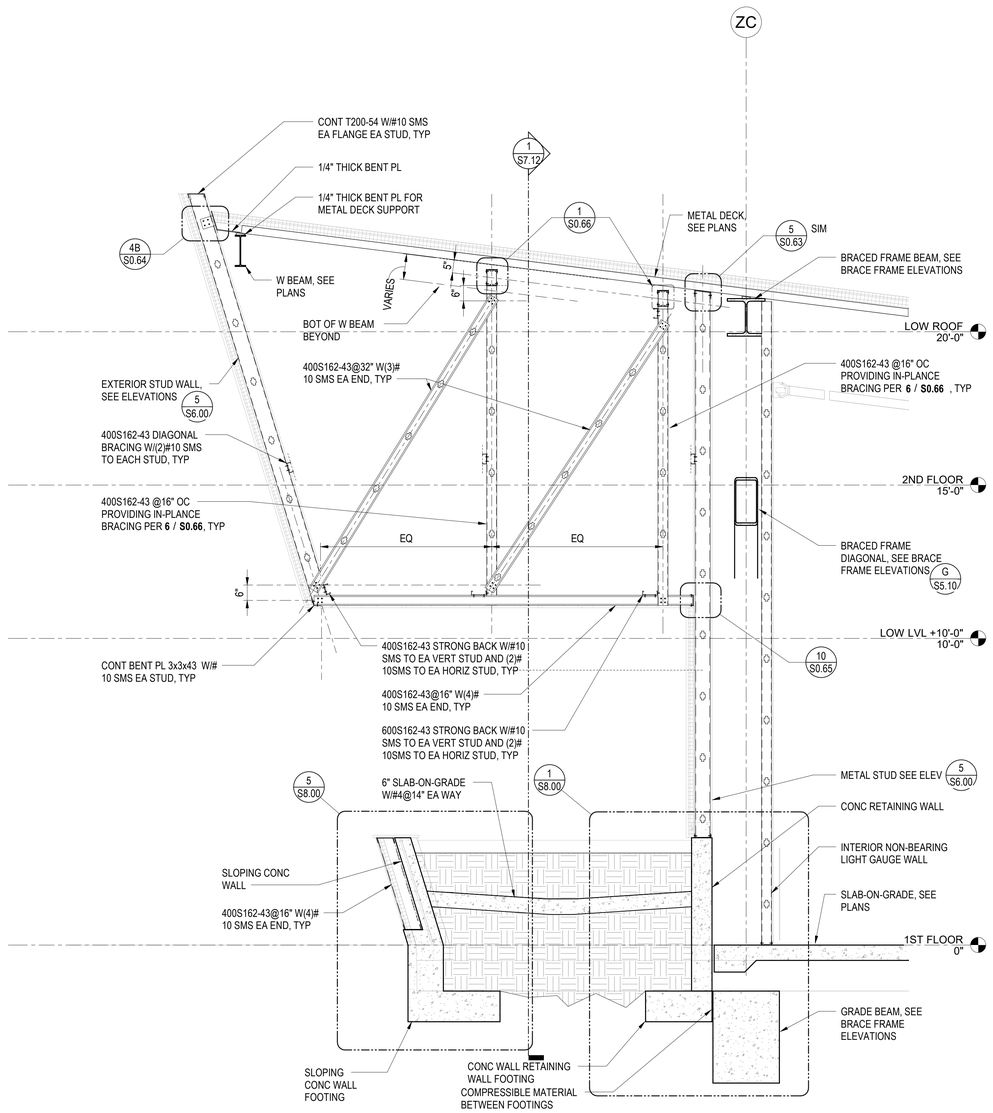
S7.01

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE



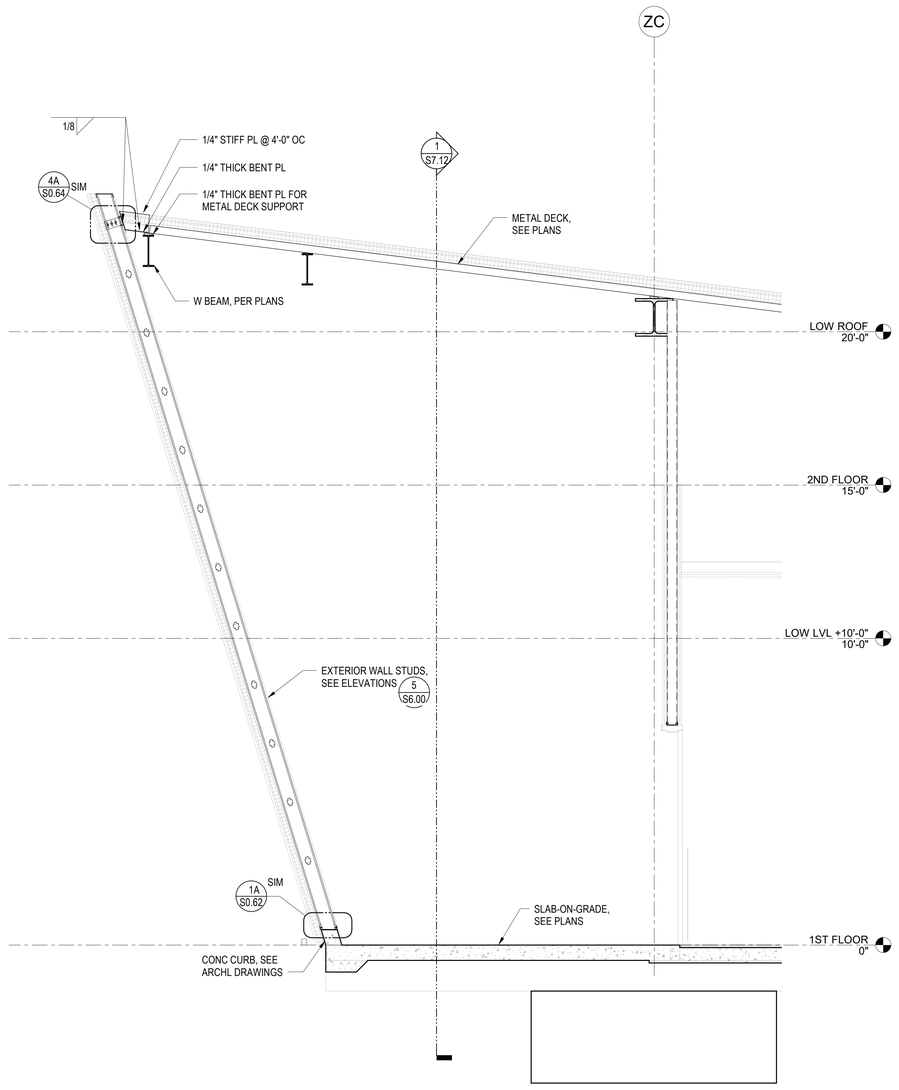
KEYPLAN
SCALE: 1/32" = 1'-0"

A



WALL SECTION
SCALE: 1/2" = 1'-0"

2



WALL SECTION
SCALE: 1/2" = 1'-0"

1

8/5/2021 6:30:03 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

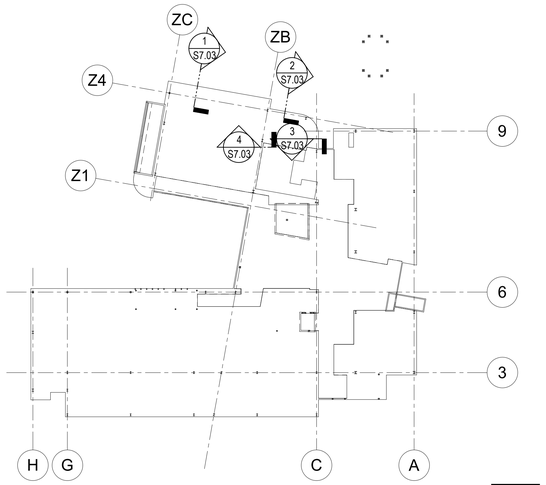
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

S7.02

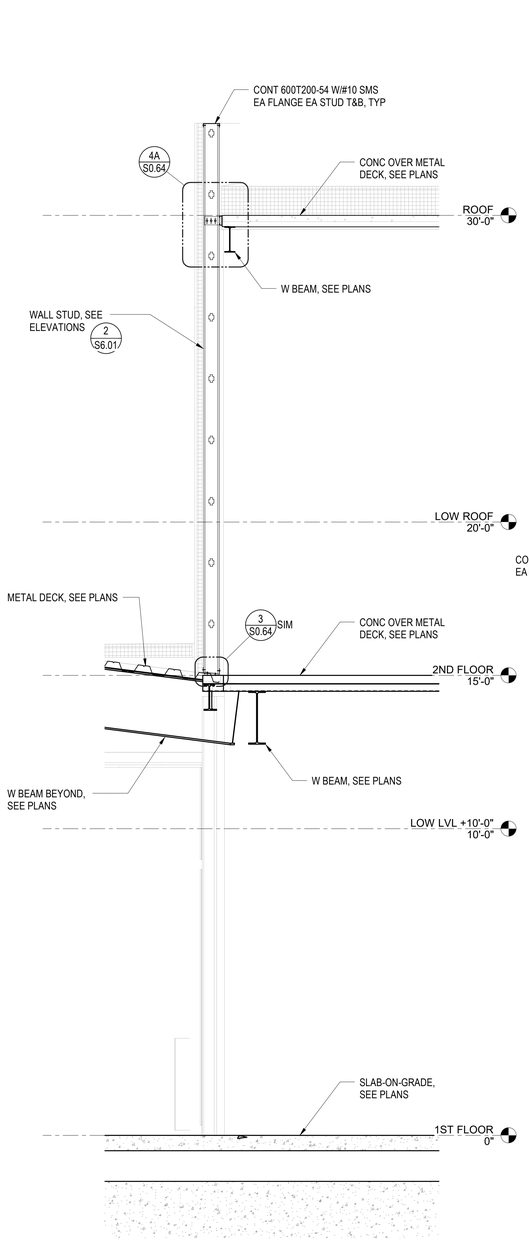
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL 24x36 SHEETS (ORIGINAL SHEET SIZE)



KEYPLAN

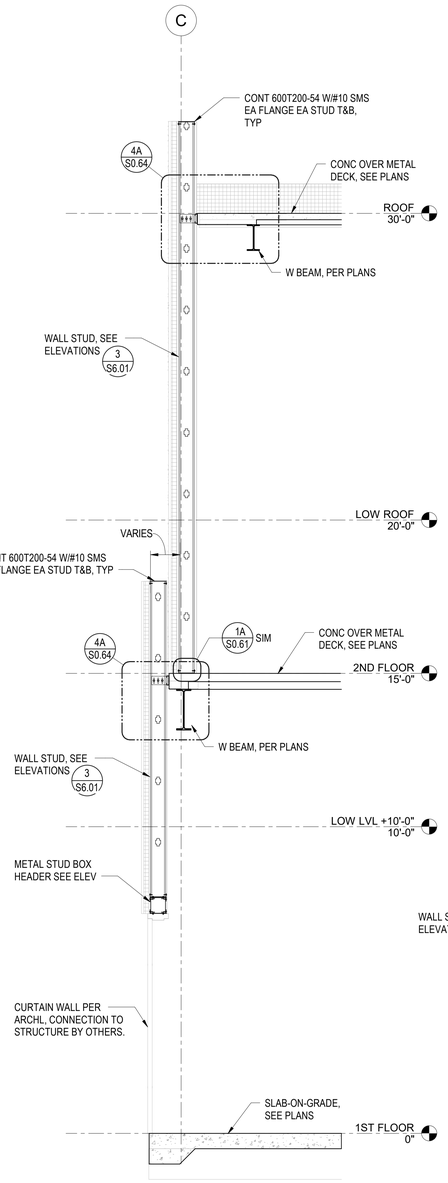
SCALE: 1/32" = 1'-0"

A



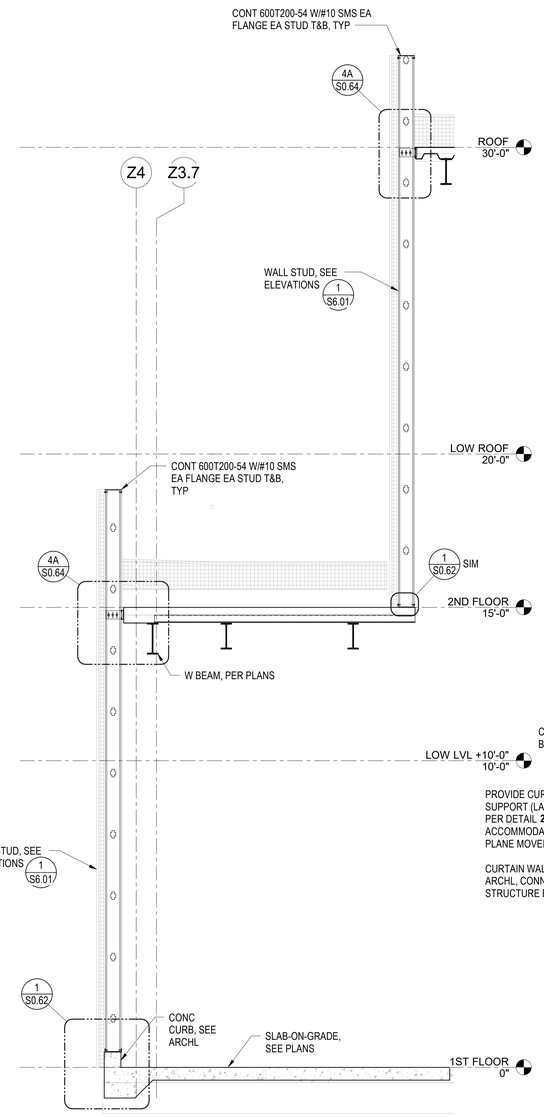
WALL SECTION 4

SCALE: 1/2" = 1'-0"



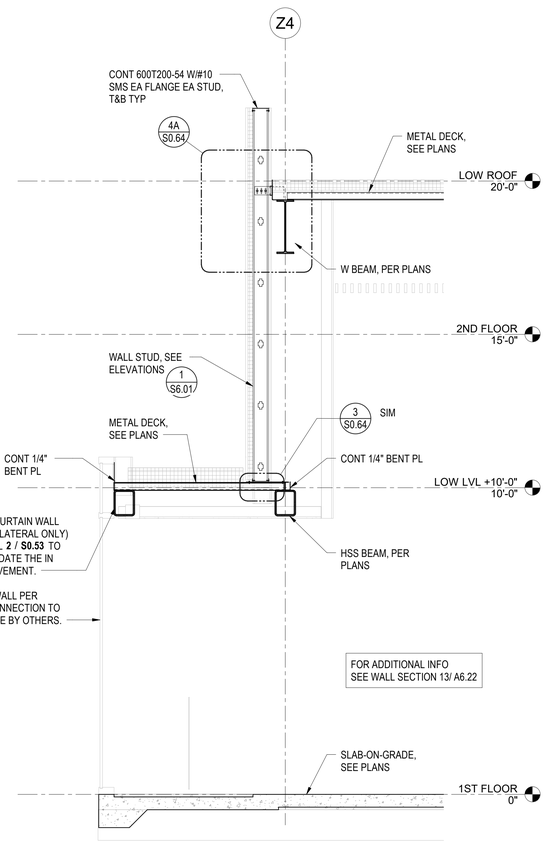
WALL SECTION 3

SCALE: 1/2" = 1'-0"



WALL SECTION 2

SCALE: 1/2" = 1'-0"



WALL SECTION 1

SCALE: 1/2" = 1'-0"

5/5/2021 8:30:08 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4083 CIVIL 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

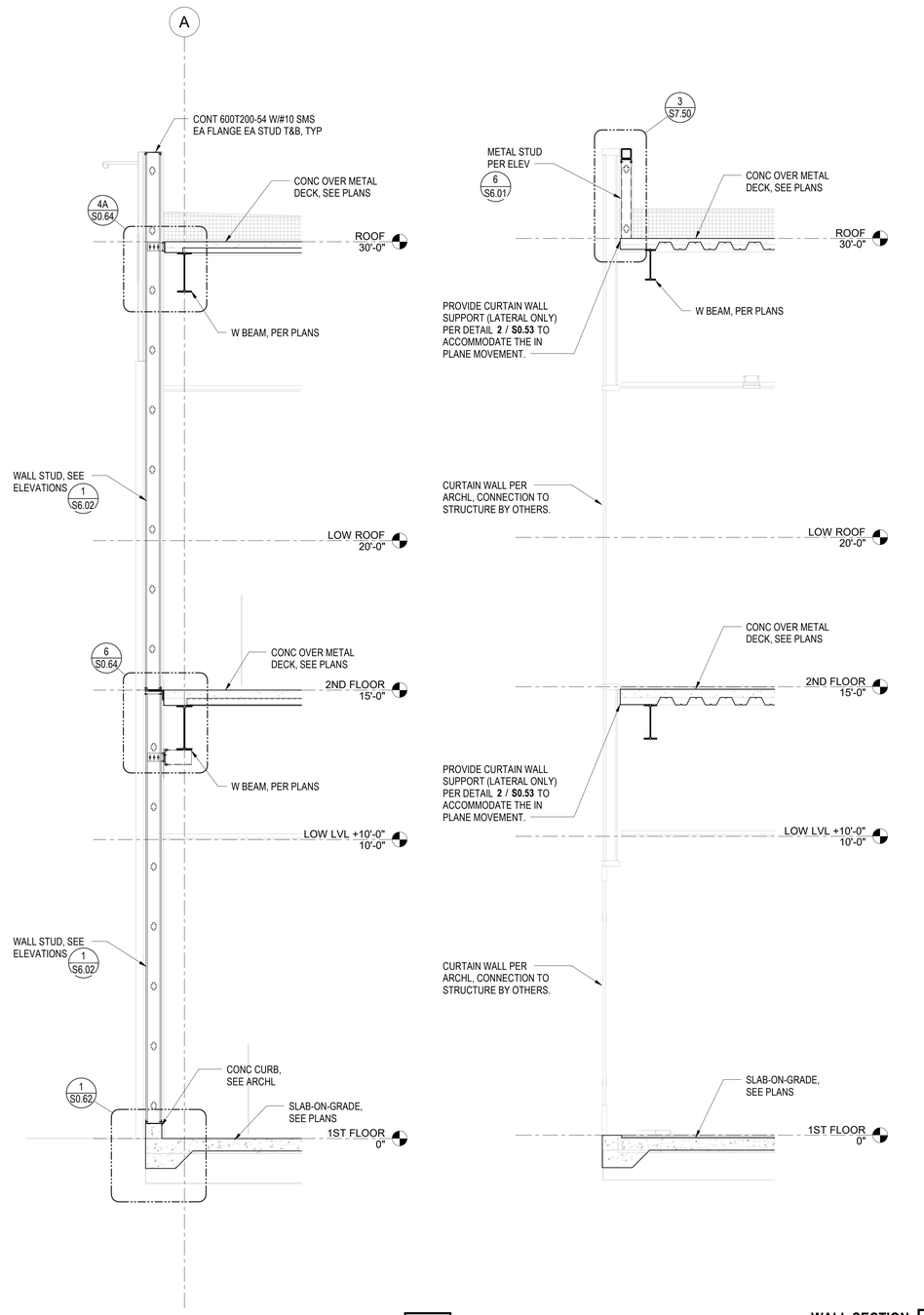
WALL SECTIONS

DSA APPROVAL

FILE NO.: 36-C1	A#: 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

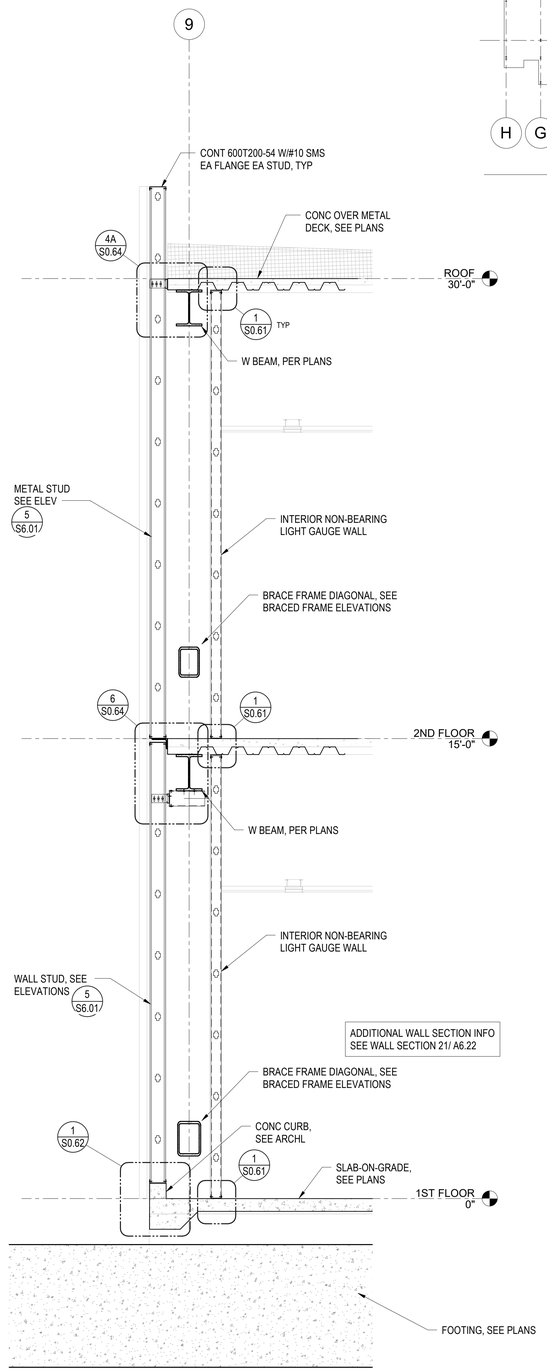
SHEET:

S7.03

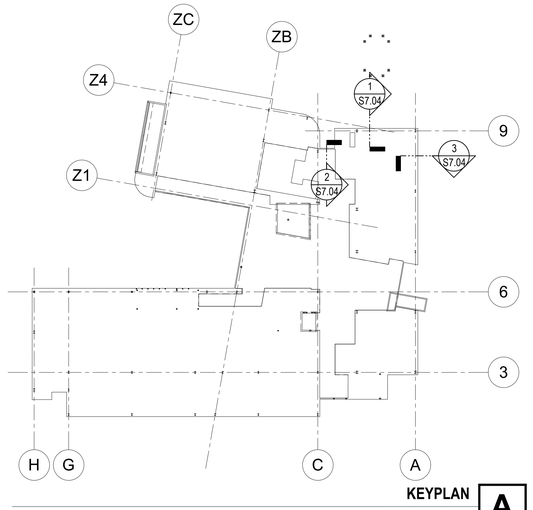


WALL SECTION 3
SCALE: 1/2" = 1'-0"

WALL SECTION 2
SCALE: 1/2" = 1'-0"



WALL SECTION 1
SCALE: 1/2" = 1'-0"



KEYPLAN A
SCALE: 1/32" = 1'-0"

AGENCY APPROVAL:

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER S A I F U L Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
WALL SECTIONS

DSA APPROVAL

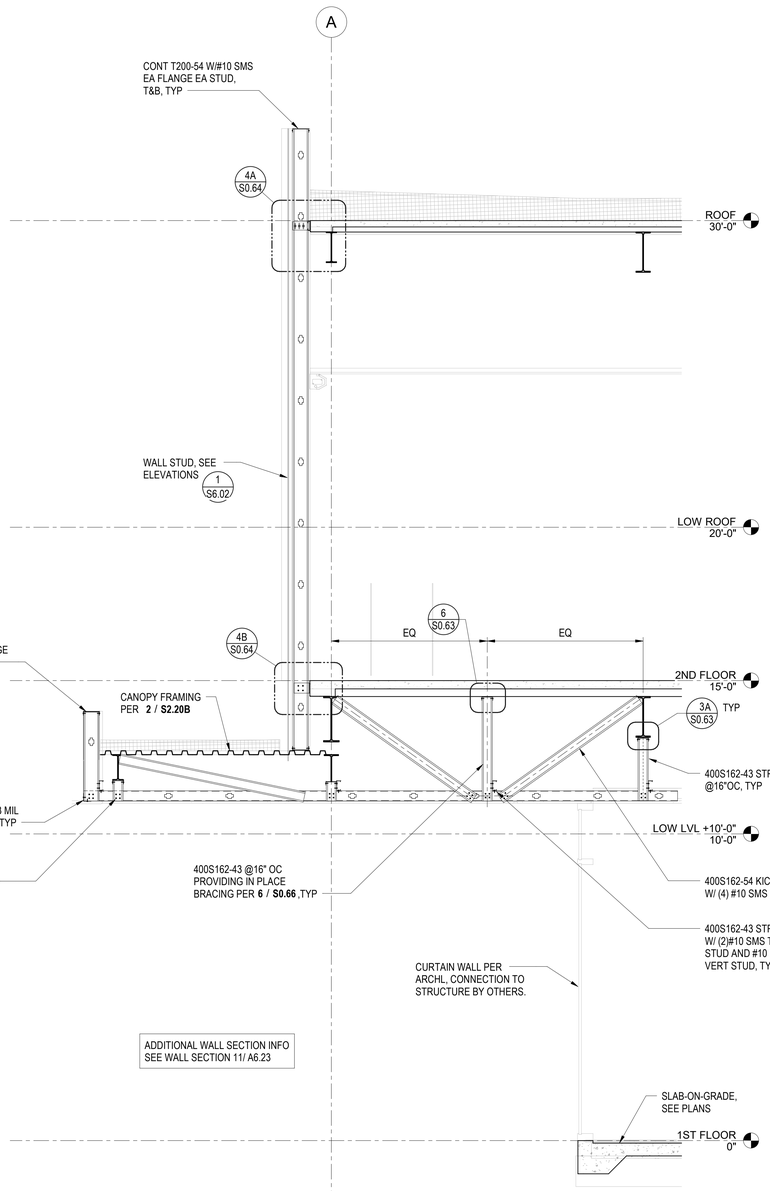
FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

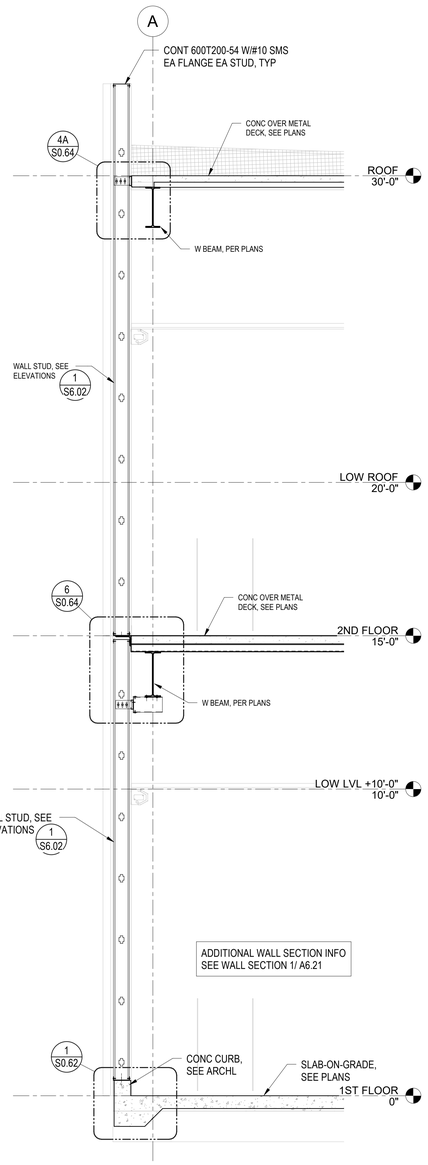
S7.04

9/8/2021 8:39:12 AM

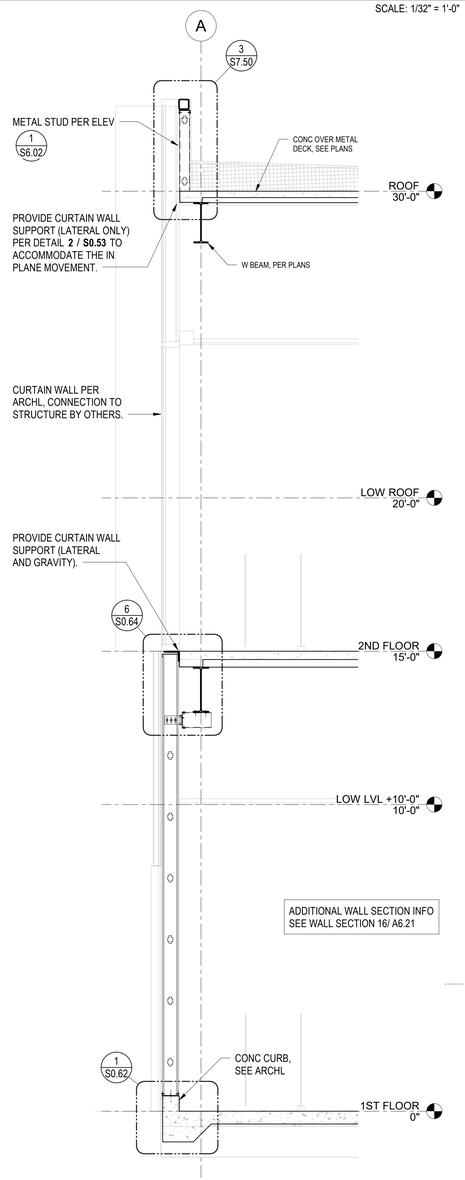
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE



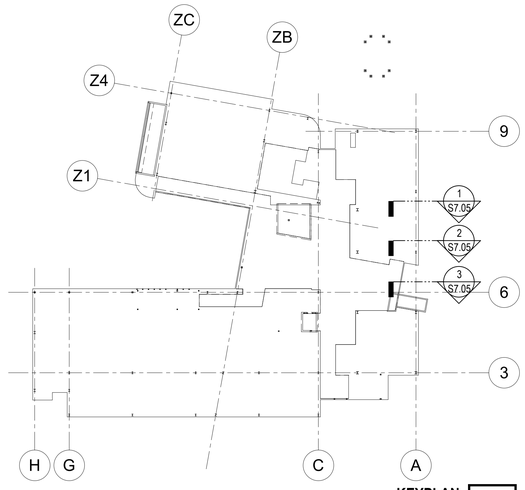
WALL SECTIONS 3
SCALE: 1/2" = 1'-0"



WALL SECTIONS 2
SCALE: 1/2" = 1'-0"



WALL SECTION 1
SCALE: 1/2" = 1'-0"



KEYPLAN A
SCALE: 1/32" = 1'-0"

AGENCY APPROVAL:

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4005 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

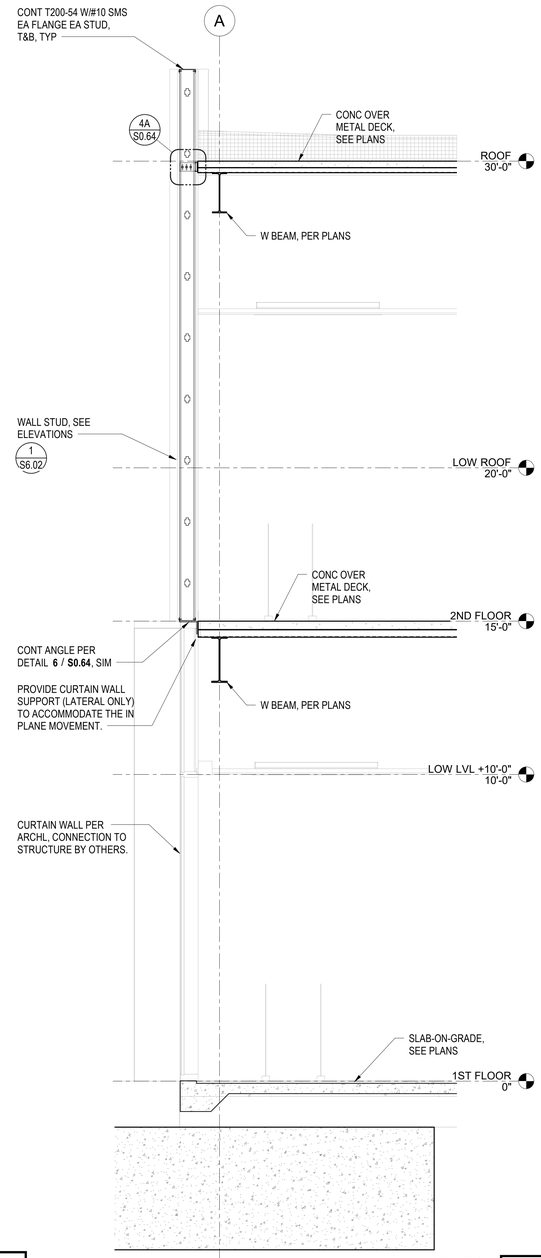
SHEET:

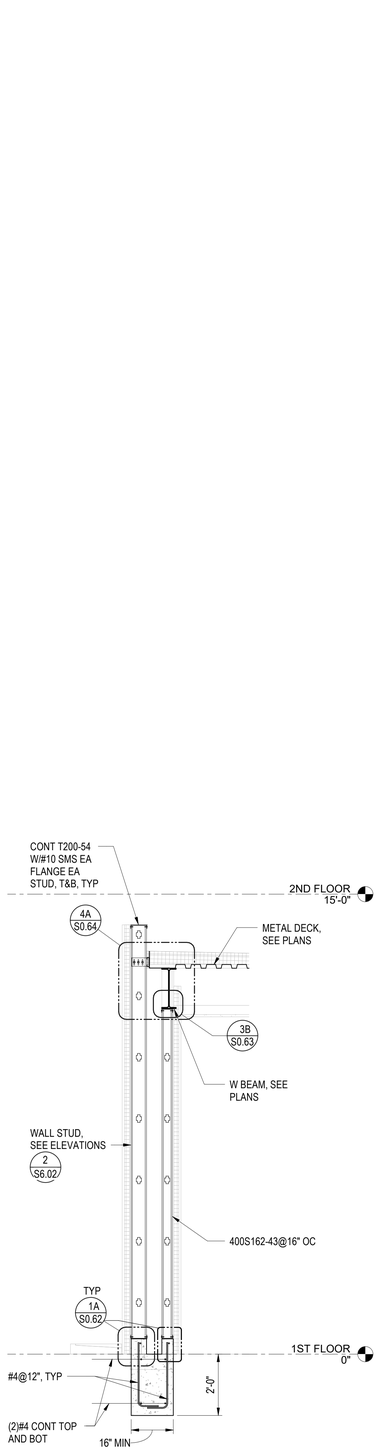
S7.05

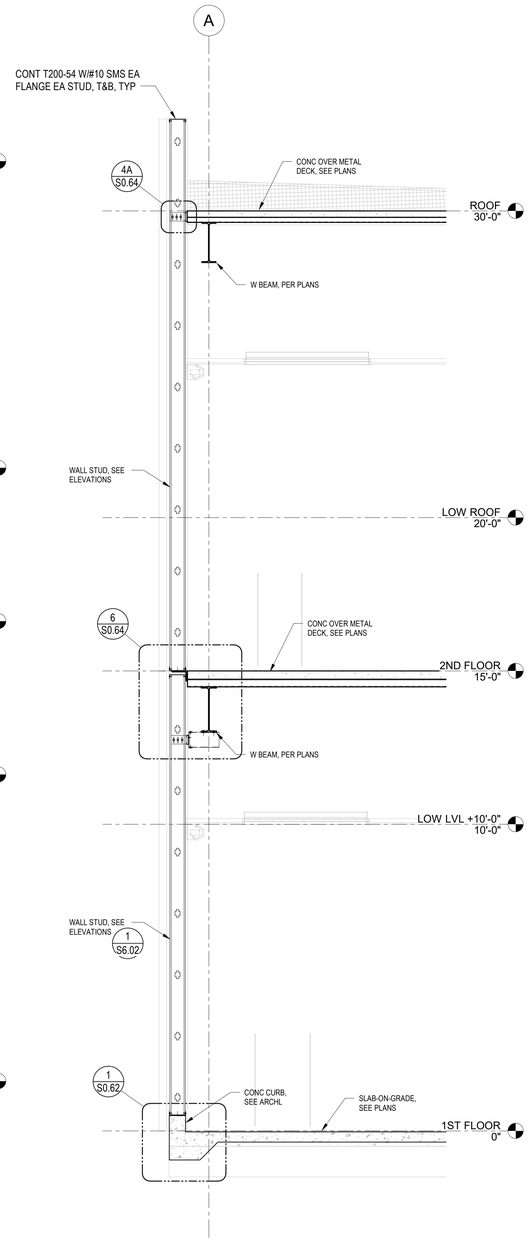
8/5/2021 6:30:16 AM

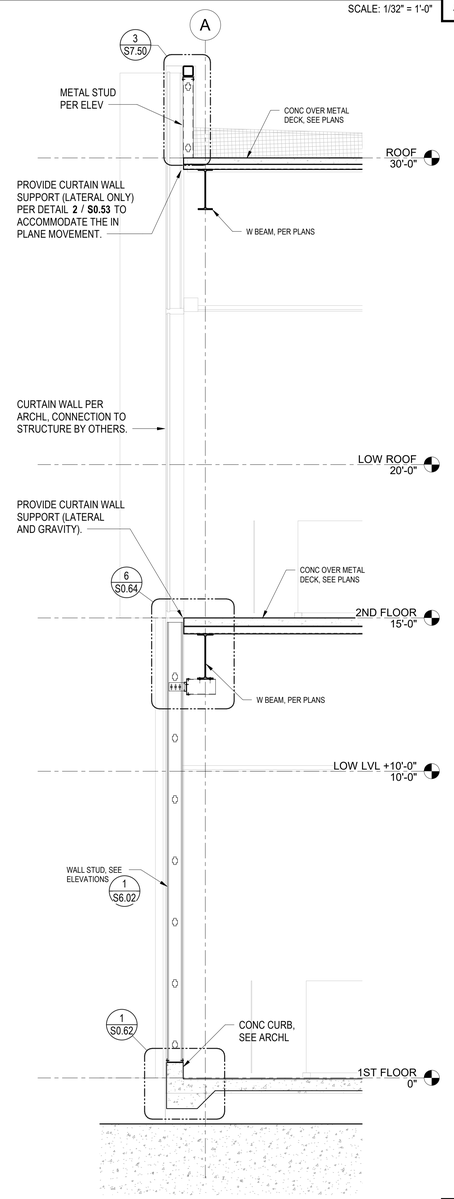
PLEASE RECYCLE

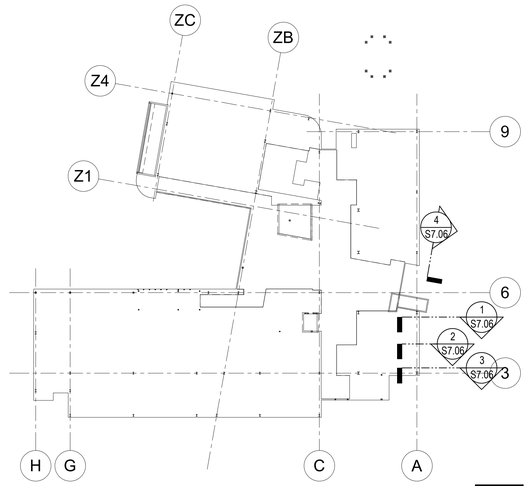
THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SIZE ON ORIGINAL SHEET. IF NOT, ADJUST SCALE ACCORDINGLY.











KEYPLAN SCALE: 1/32" = 1'-0" **A**

WALL SECTION SCALE: 1/2" = 1'-0" **4**

WALL SECTION SCALE: 1/2" = 1'-0" **3**

WALL SECTION SCALE: 1/2" = 1'-0" **2**

WALL SECTION SCALE: 1/2" = 1'-0" **1**

8/5/2021 6:30:21 AM

PLEASE RECYCLE

AGENCY APPROVAL:

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DATE: 08/19/2021

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

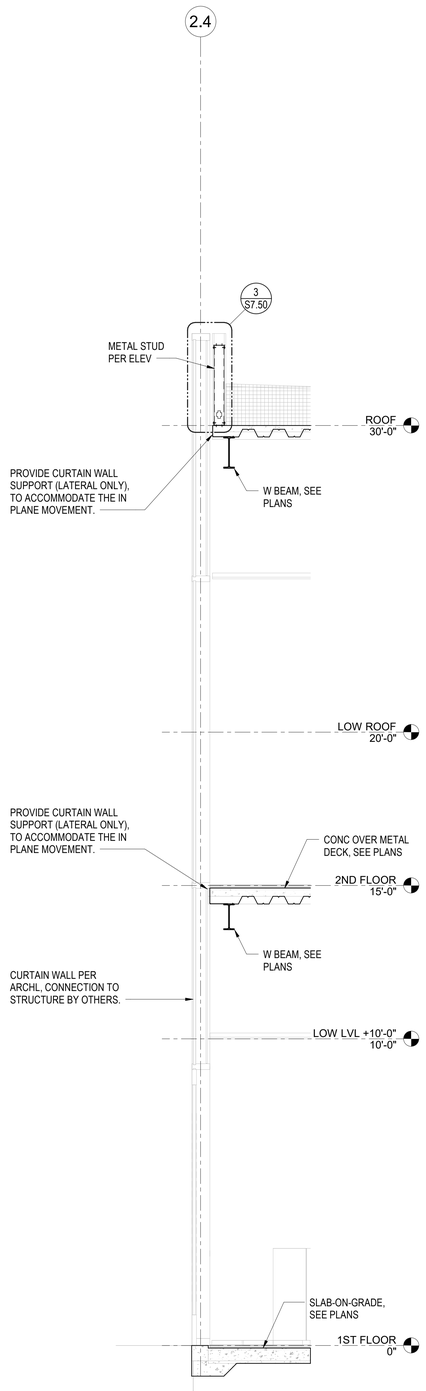
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

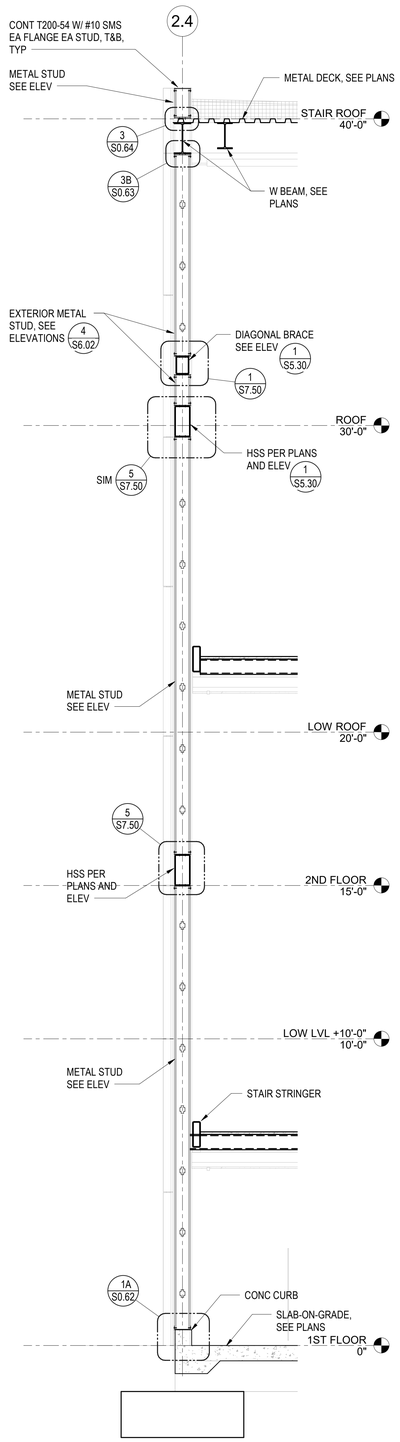
SHEET:

S7.06

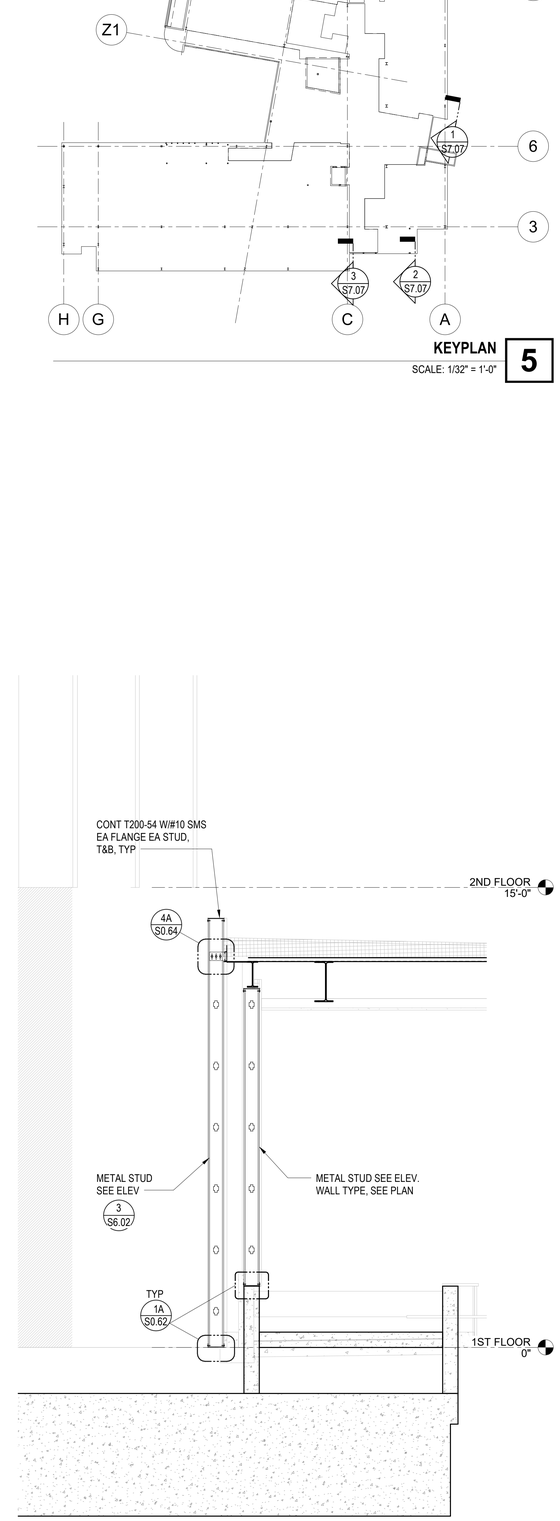
THE LINE SHOWN ABOVE IS EXACTLY 1" LONG ON ORIGINAL PLOTS SHEET'S ORIGINAL SIZE: 30x42



WALL SECTION 3
SCALE: 1/2" = 1'-0"



WALL SECTION 2
SCALE: 1/2" = 1'-0"



WALL SECTION 1
SCALE: 1/2" = 1'-0"

KEYPLAN
SCALE: 1/32" = 1'-0"

5

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. S 4083 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

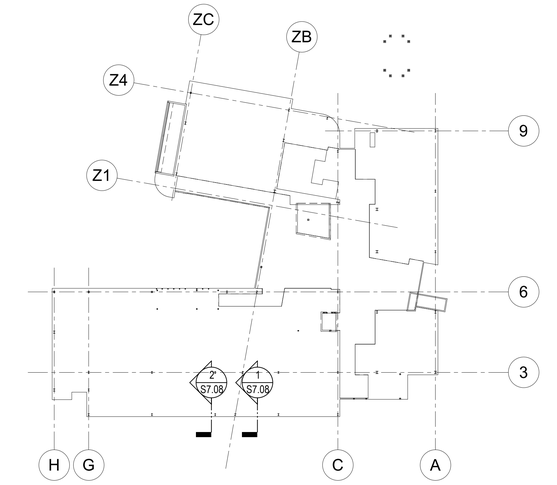
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S7.07

8/5/2021 6:30:25 AM

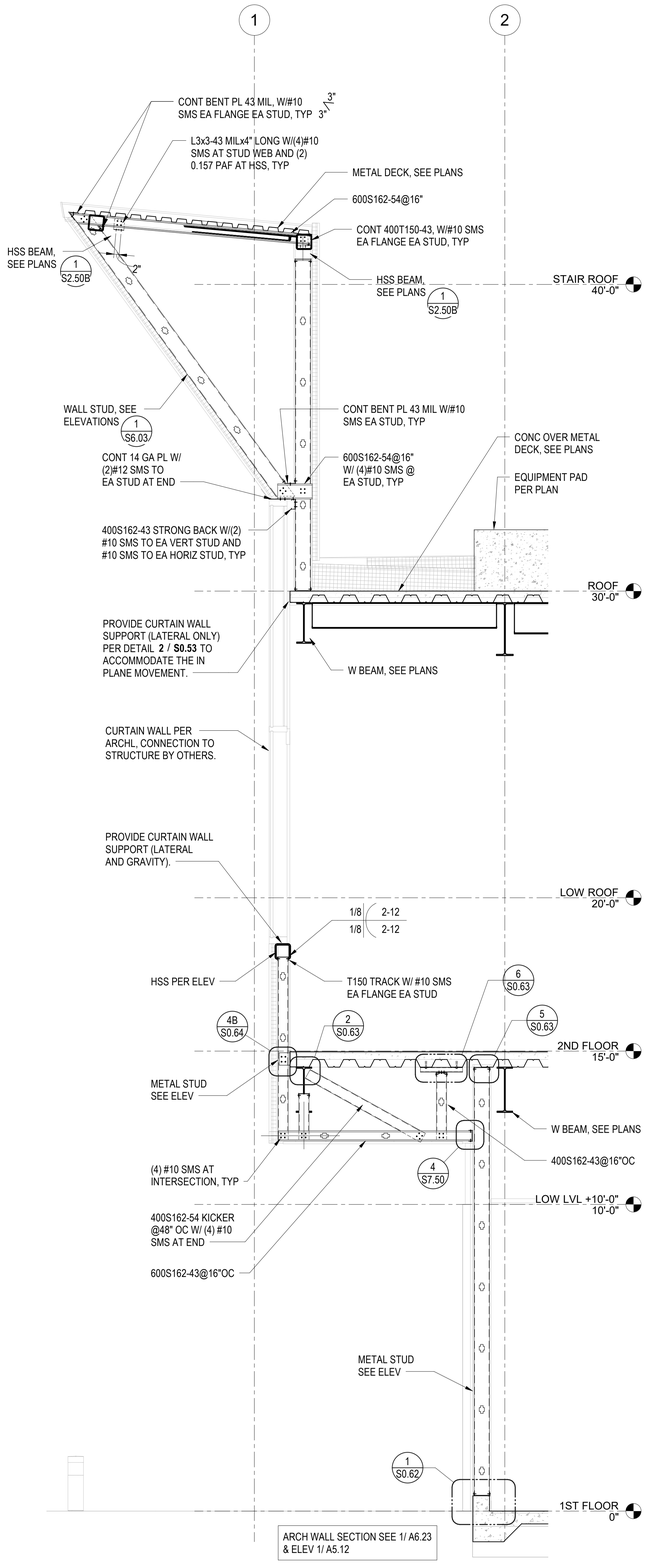
PLEASE RECYCLE

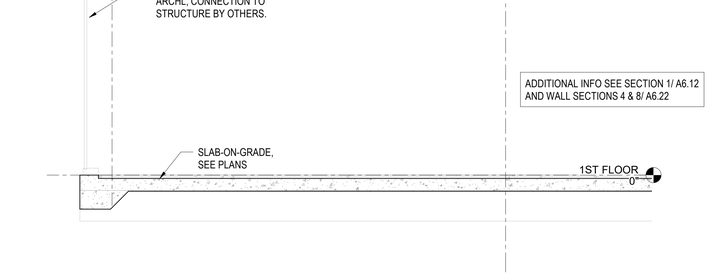


KEYPLAN

SCALE: 1/32" = 1'-0"

A





WALL SECTION 2

SCALE: 1/2" = 1'-0"

WALL SECTION 1

SCALE: 1/2" = 1'-0"

8/5/2021 6:30:29 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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DATE: 08/19/2021

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ONTARIO, CA 91764
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4063 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

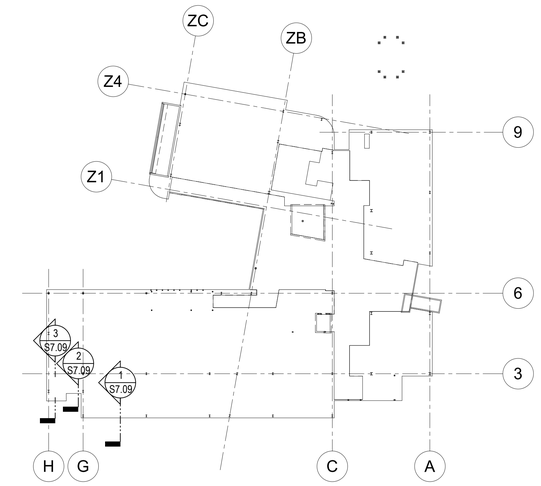
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

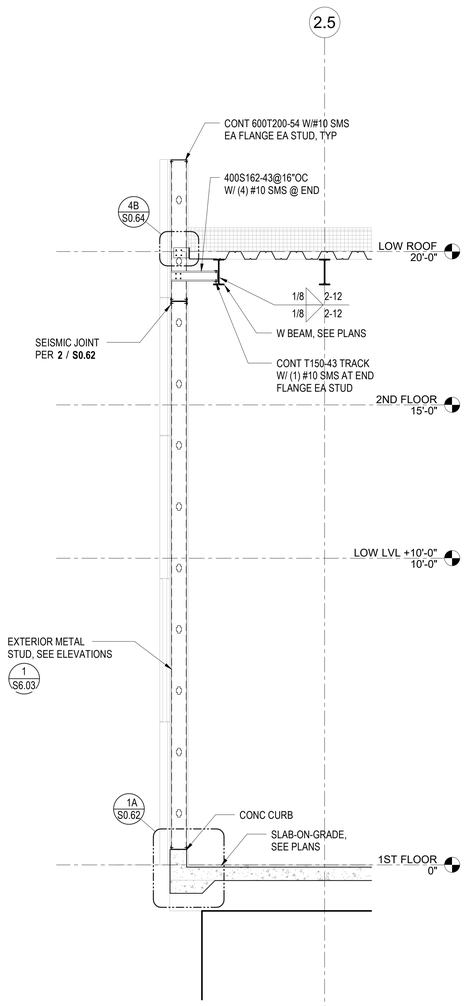
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

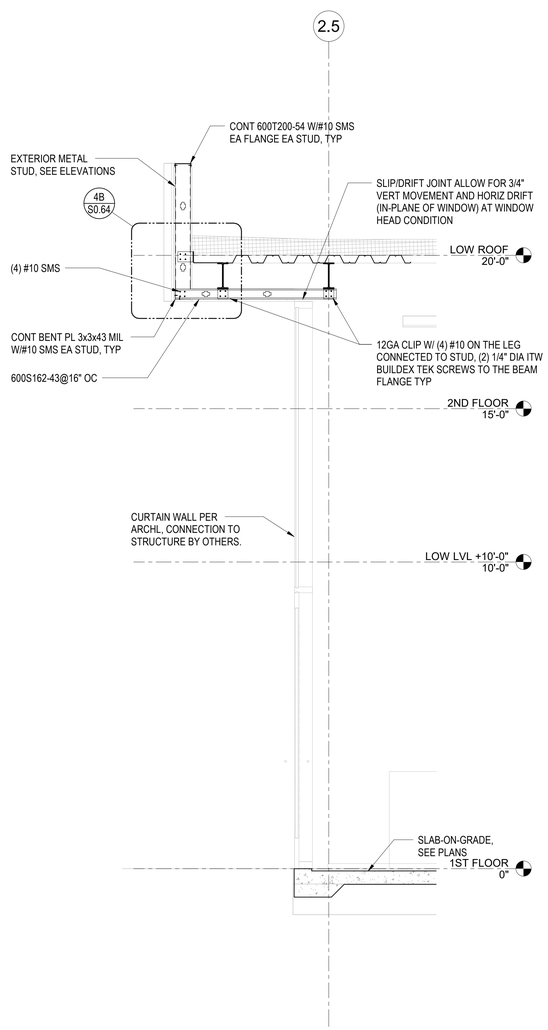
S7.08



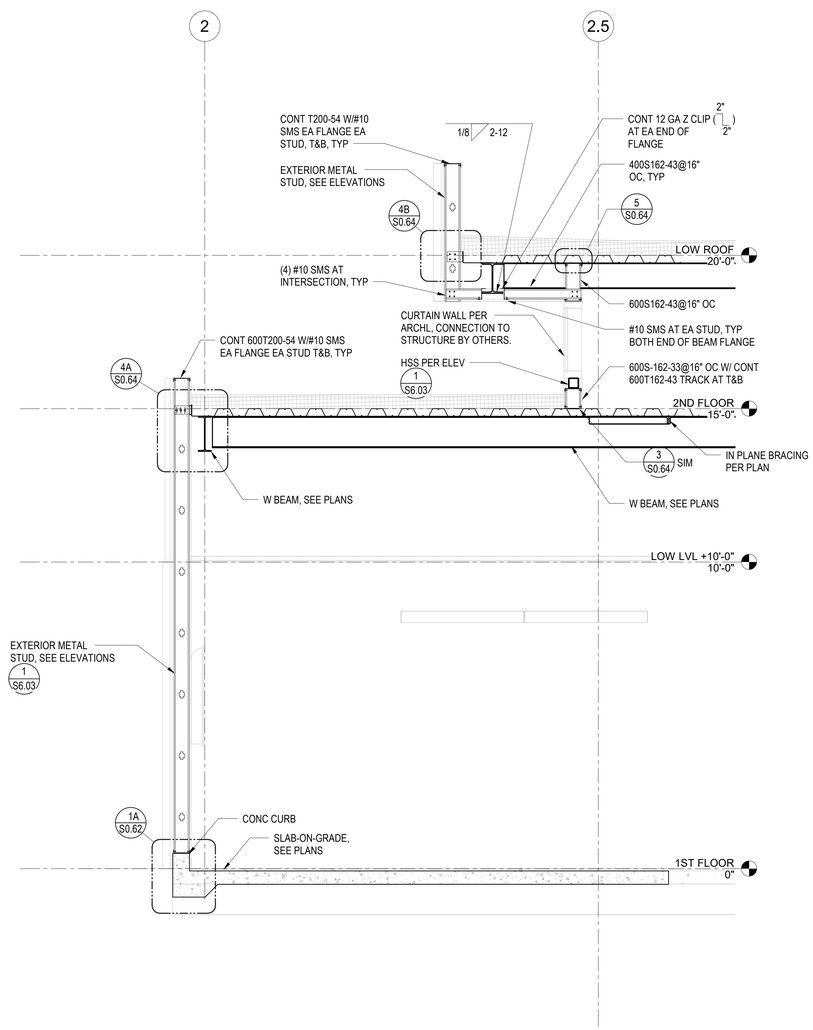
KEYPLAN SCALE: 1/32" = 1'-0" **A**



WALL SECTION SCALE: 1/2" = 1'-0" **3**



WALL SECTION SCALE: 1/2" = 1'-0" **2**



WALL SECTION SCALE: 1/2" = 1'-0" **1**

8/5/2021 6:30:33 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

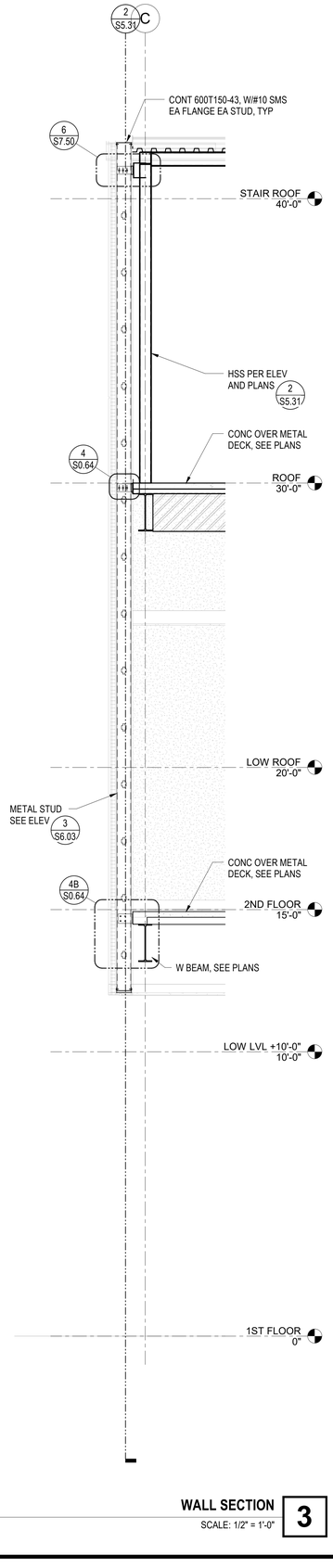
DSA APPROVAL

FILE NO.: 36-C1 A# : 04-119722

DATE: 08.05.2021 CLIENT PROJ NO:

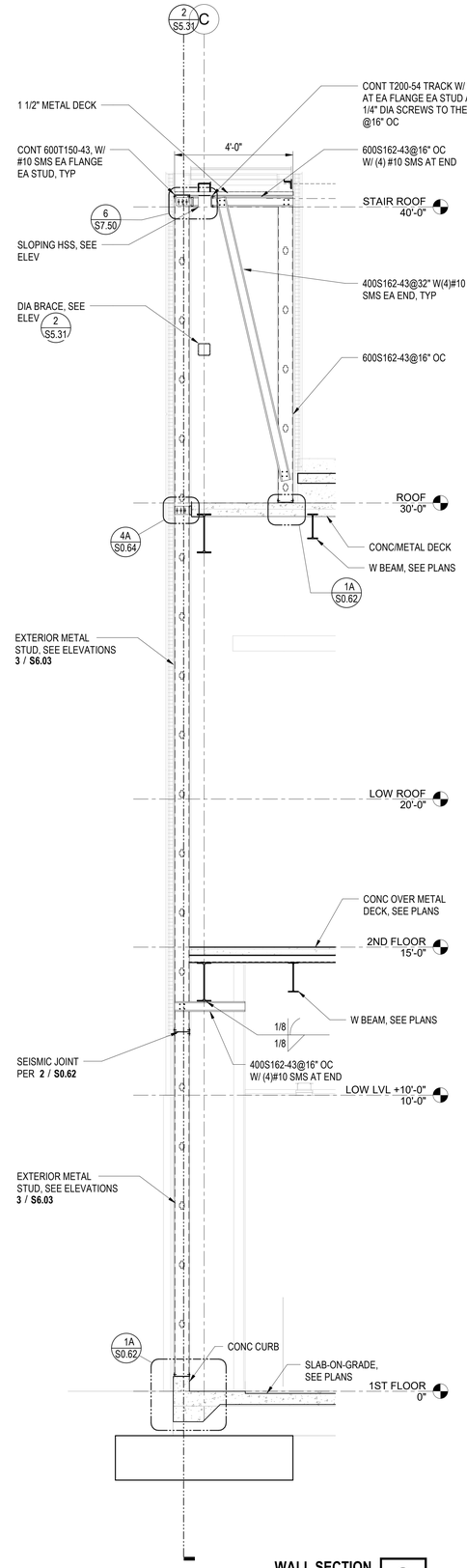
SHEET:

S7.09



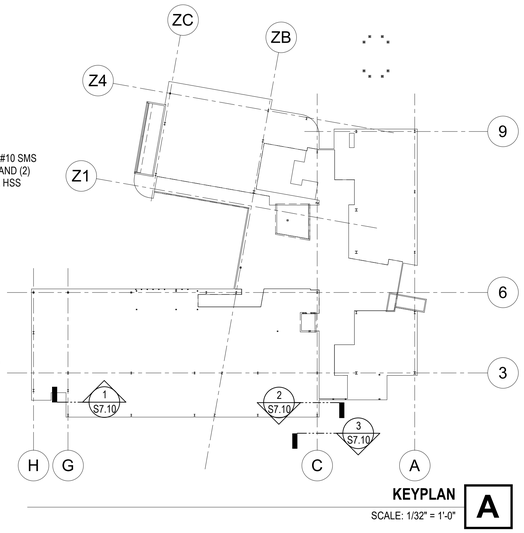
WALL SECTION 3

SCALE: 1/2" = 1'-0"



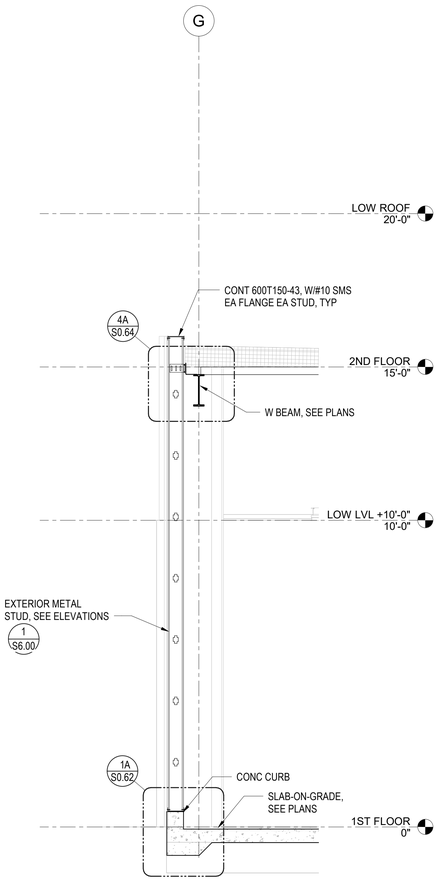
WALL SECTION 2

SCALE: 1/2" = 1'-0"



KEYPLAN A

SCALE: 1/32" = 1'-0"



WALL SECTION 1

SCALE: 1/2" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

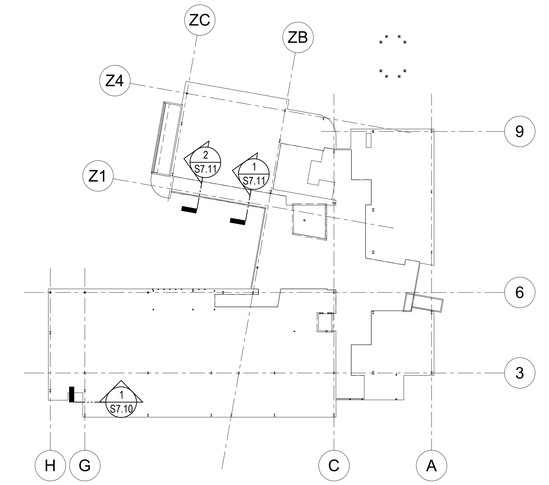
FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

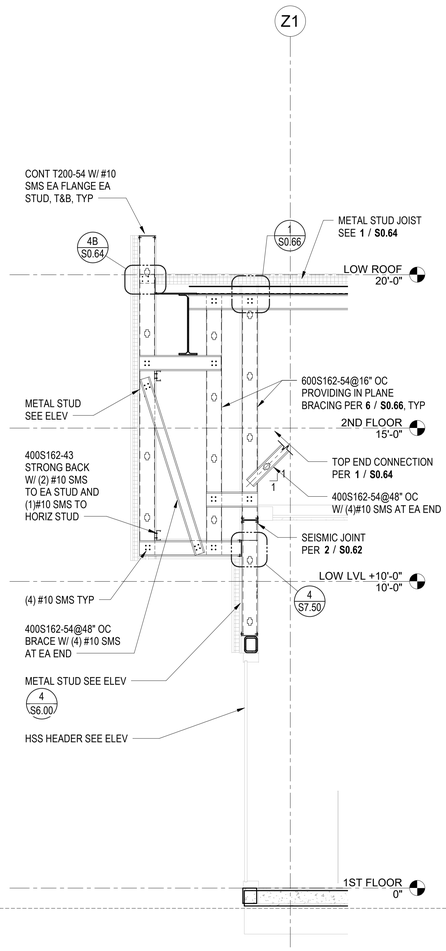
SHEET:

S7.10

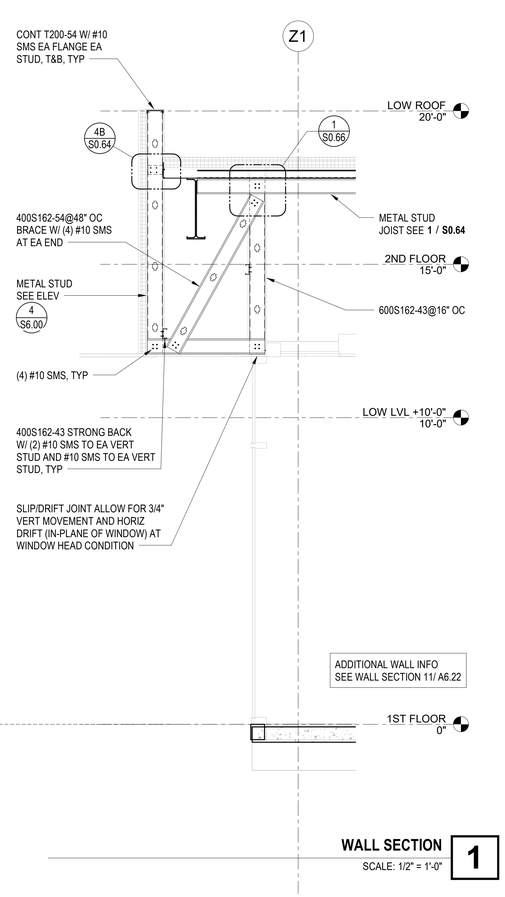
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL 24x36 SIZE



KEYPLAN
SCALE: 1/32" = 1'-0"
A



WALL SECTION
SCALE: 1/2" = 1'-0"
2



WALL SECTION
SCALE: 1/2" = 1'-0"
1

8/5/2021 6:30:41 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects
5009006-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet
structural engineers
155 North Lake Avenue,
6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
M. SAIFUL BOUQUET
No. 40063
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

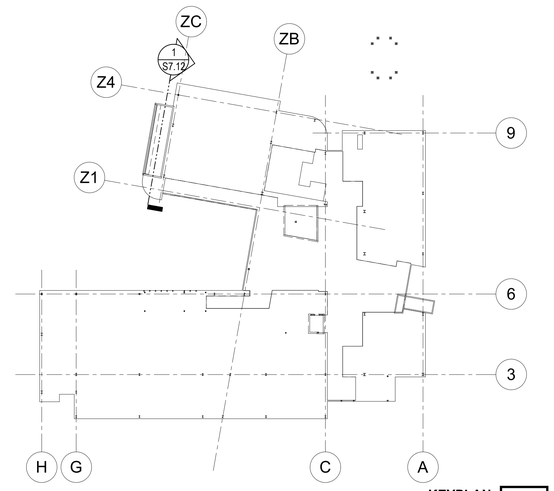
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

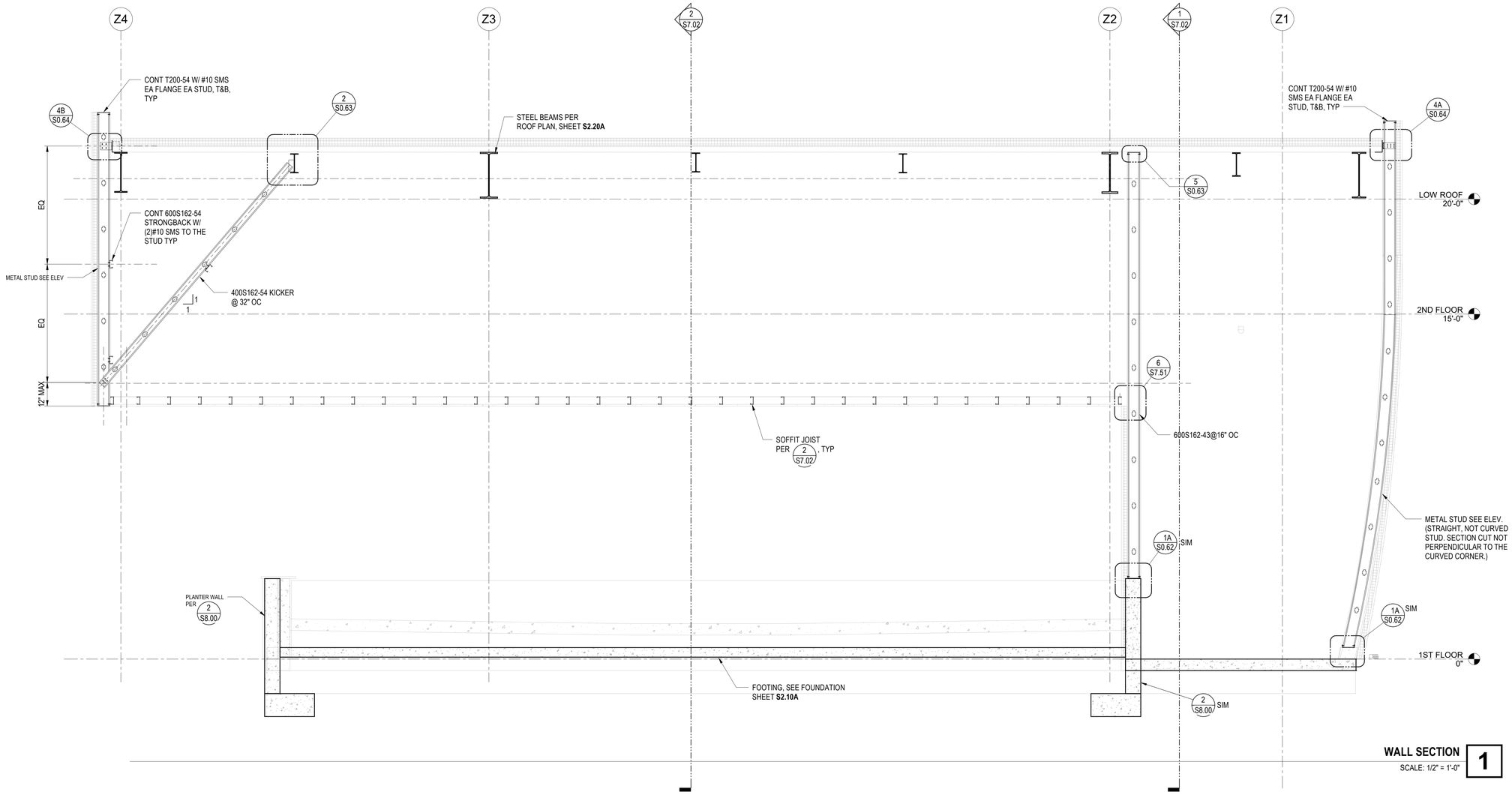
S7.11

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



KEYPLAN **A**

SCALE: 1/32" = 1'-0"



WALL SECTION **1**

SCALE: 1/2" = 1'-0"

8/5/2021 6:30:44 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2021

Chaffey College

HMC Architects

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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers

155 North Lake Avenue,
6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com

SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
SAIFUL CHOWDHURY
No. 40857
Exp. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

S7.12

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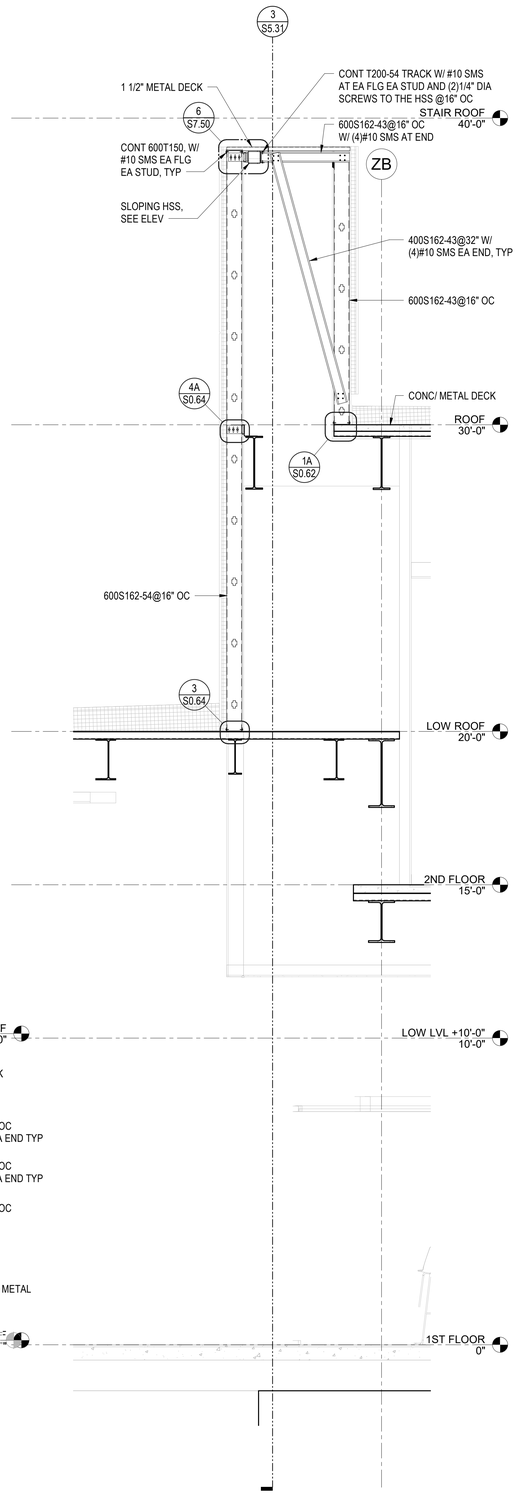
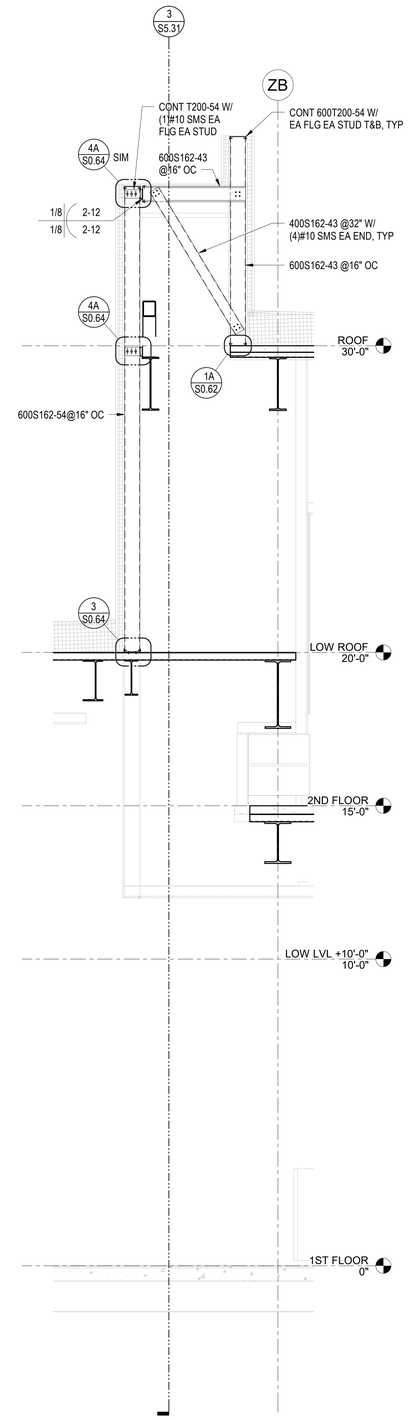


WALL SECTION 4
SCALE: 1/2" = 1'-0"



WALL SECTION 3
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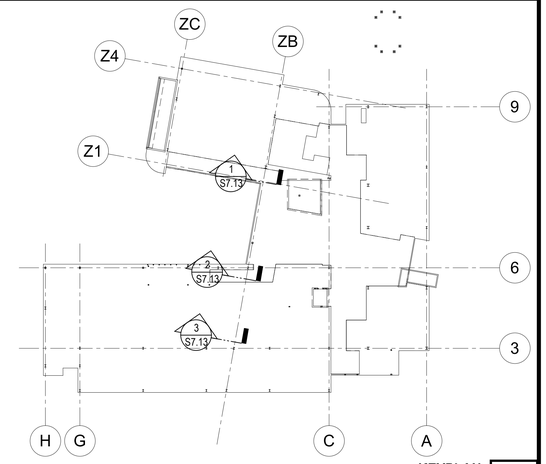
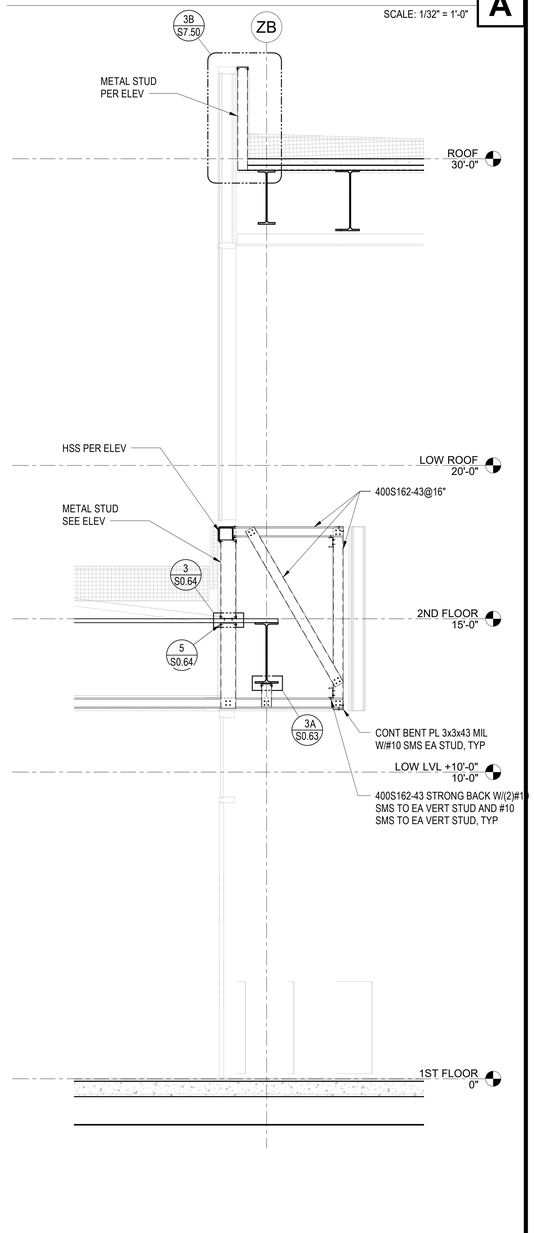
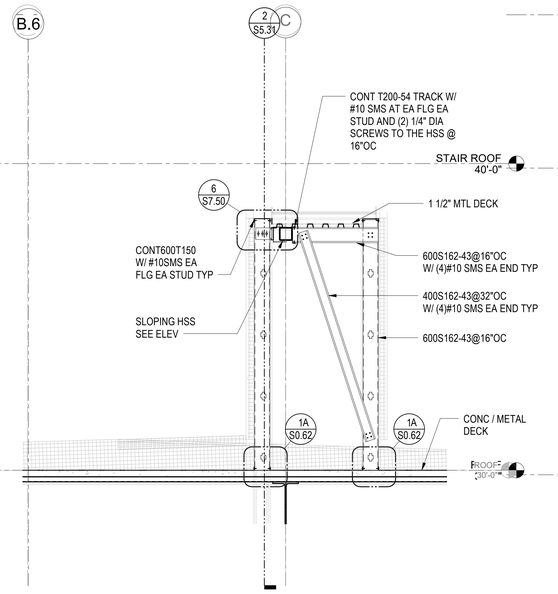


KEYPLAN
SCALE: 1/32" = 1'-0"

A



WALL SECTION 2
SCALE: 1/2" = 1'-0"



WALL SECTION 1
SCALE: 1/2" = 1'-0"

8/5/2021 8:30:49 AM

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119722 INC:
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SS ☑ FLS ☑ ACS ☑
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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

WALL SECTIONS

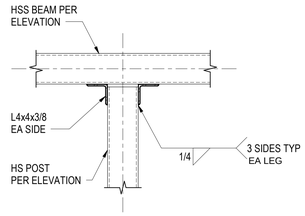
DSA APPROVAL

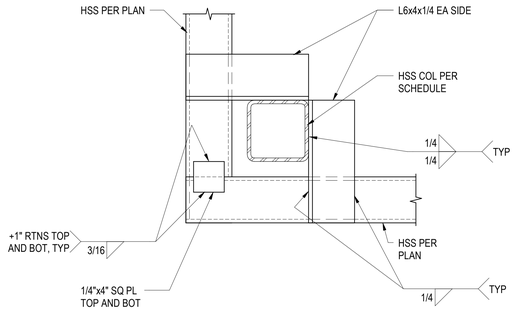
FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

S7.13

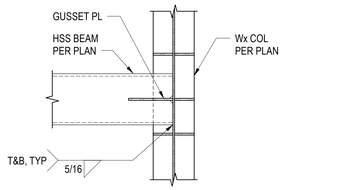
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



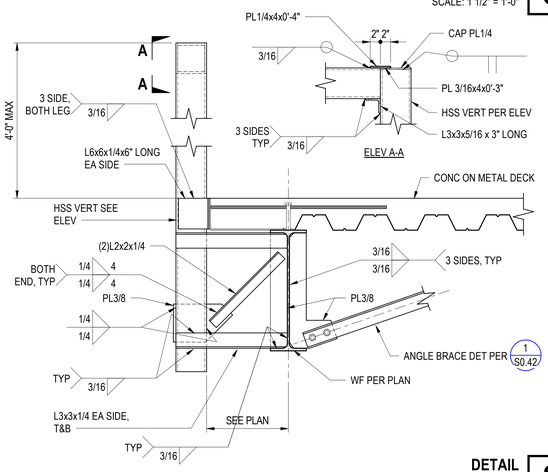


DETAIL 12
SCALE: 1" = 1'-0"

DETAIL 9
SCALE: 1 1/2" = 1'-0"



SECTION B-B



DETAIL 8
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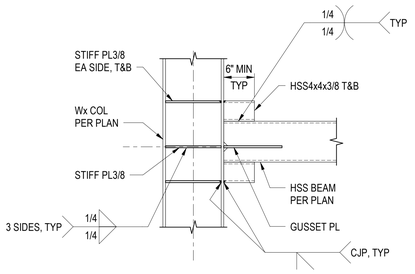
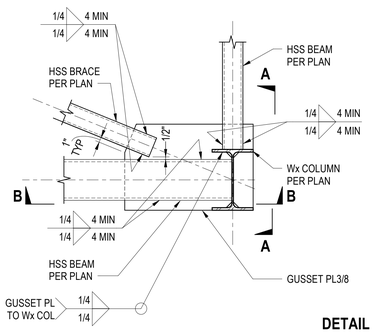


SECTION A-A



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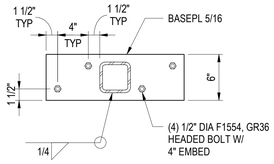
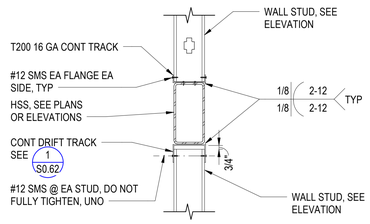


DETAIL 7
SCALE: 1 1/2" = 1'-0"



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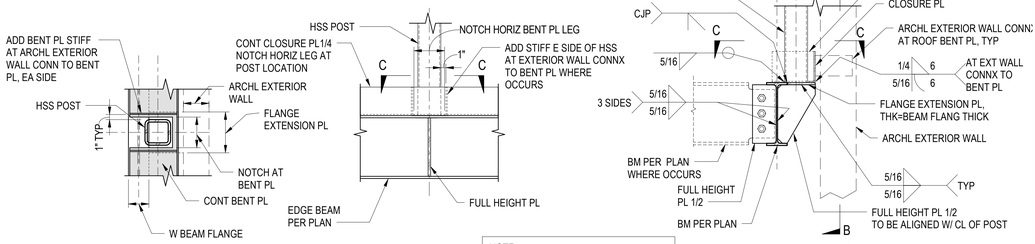
SCALE: 1" = 1'-0"

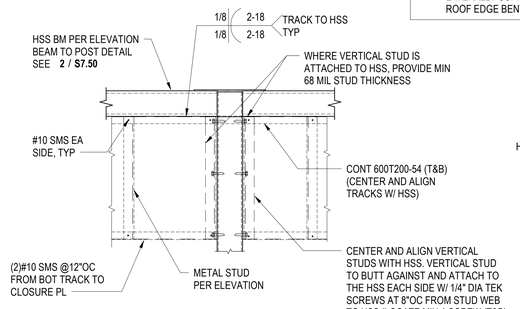


SECTION C-C

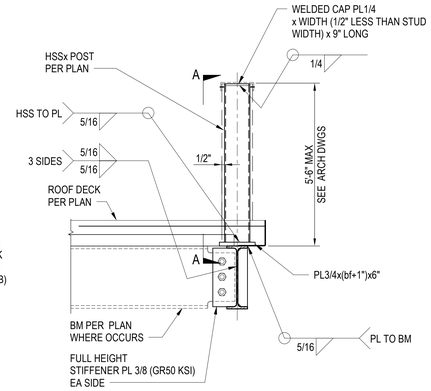
SECTION B-B

CONN @ OFFSET POST (B)

NOTE:
1. ALL EXTERIOR WALLS SHALL BE LATERALLY SUPPORTED AT THE ROOF EDGE BENT PL, TYP



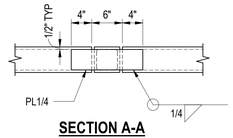
SECTION A-A



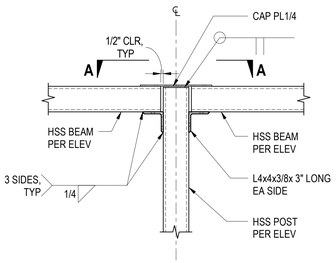
TYPICAL CONNECTION (A)

HSS POST CONNECTION AT POP-UP ROOF
SCALE: 1" = 1'-0"

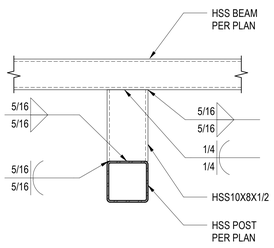
3



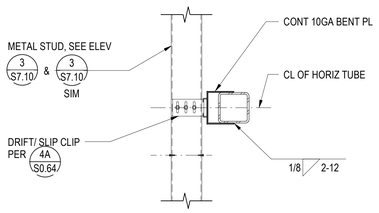
SECTION A-A



DETAIL 2
SCALE: 1" = 1'-0"



DETAIL 10
SCALE: 1" = 1'-0"



DETAIL 6
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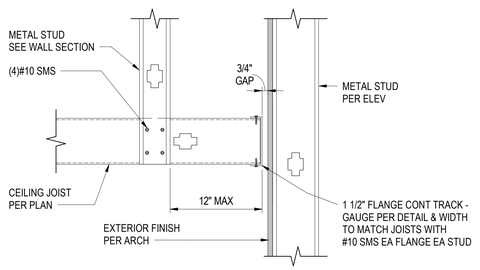
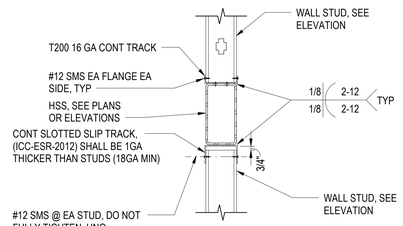


CEILING JOIST CONNECTION TO WALL WITH DRIFT JOINT
SCALE: 1 1/2" = 1'-0"

4



DETAIL 1
SCALE: 1" = 1'-0"

AGENCY APPROVAL:

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:
CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722
DATE: 08.05.2021 | CLIENT PROJ NO:
SHEET:

S7.50

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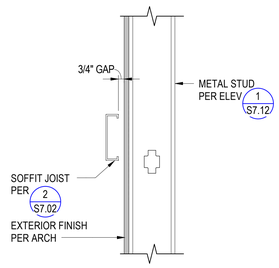
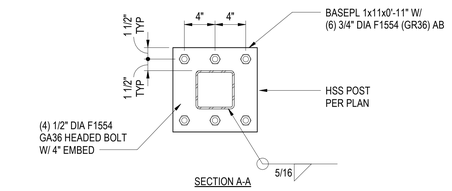
PLEASE RECYCLE

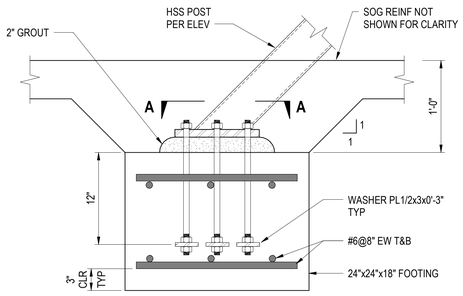
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL PAPER SIZE



CEILING JOIST CONNECTION TO WALL WITH DRIFT JOINT 6

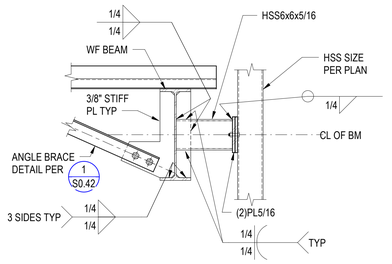
SCALE: 1 1/2" = 1'-0"



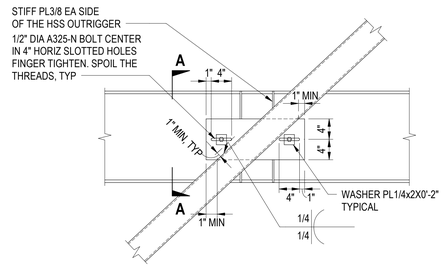


DETAIL 5

SCALE: 1 1/2" = 1'-0"

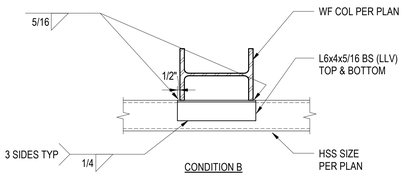


SECTION A-A

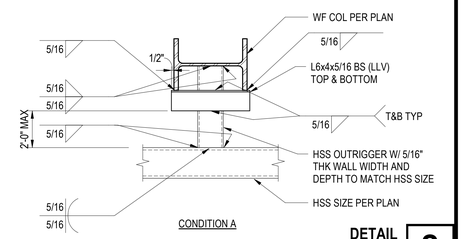


DETAIL 3

SCALE: 1" = 1'-0"



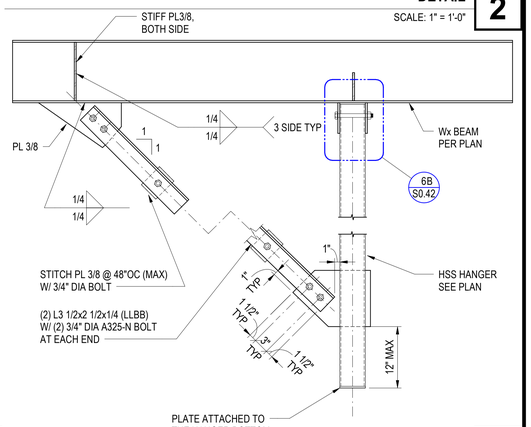
CONDITION B



CONDITION A

DETAIL 2

SCALE: 1" = 1'-0"



DETAIL 1

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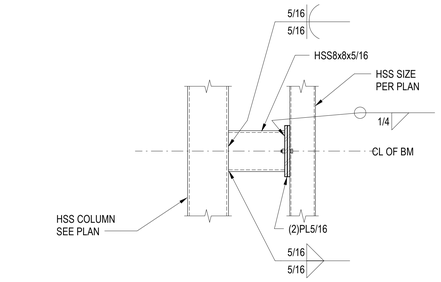
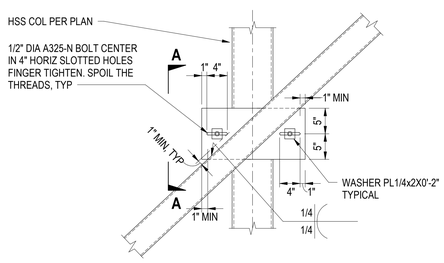


SECTION A-A



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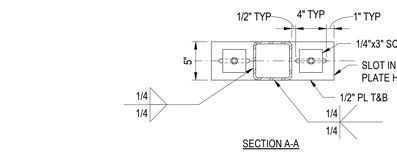
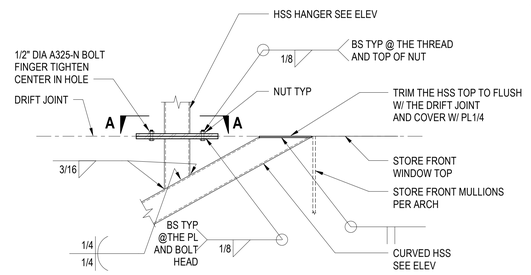


SECTION A-A



DETAIL 4

SCALE: 1" = 1'-0"

AGENCY APPROVAL:

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DATE: 08/19/2021

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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

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CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | **A# : 04-119722**

DATE: **08.05.2021** | CLIENT PROJ NO:

SHEET:

S7.51

5/5/2021 6:39:59 AM

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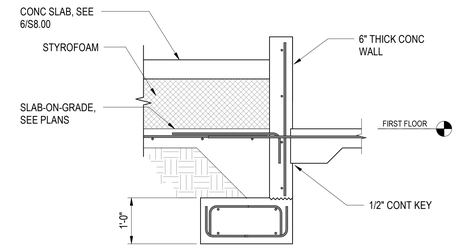

NOTE:
1. FOR BAL OF INFO, SEE 3/S8.00

DETAIL (INTERIOR CONDITION) 4
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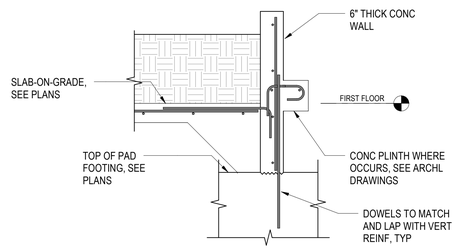
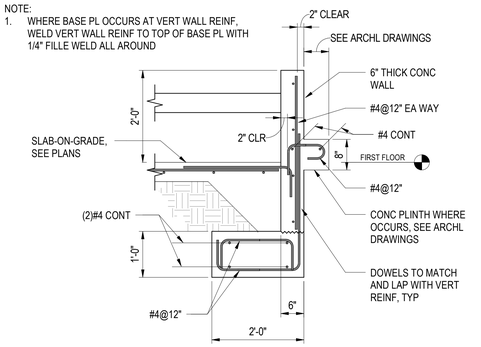


NOTE:
1. FOR BAL OF INFO, SEE 3/S8.00

DETAIL 7
SCALE: 3/4" = 1'-0"



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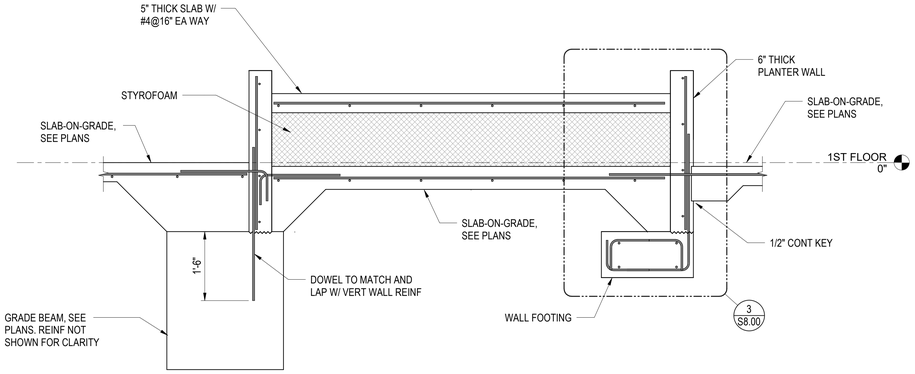

S800-6 6
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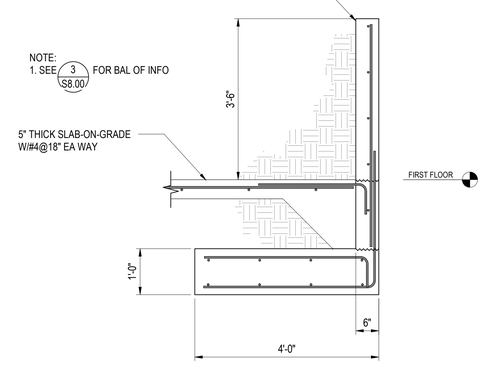

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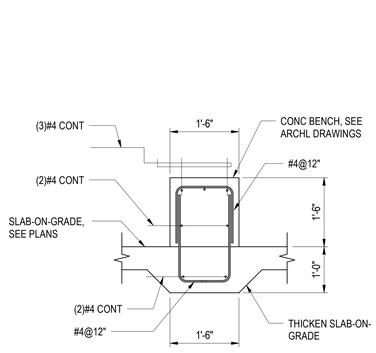

TYPICAL CONCRETE SEAT DETAIL 9
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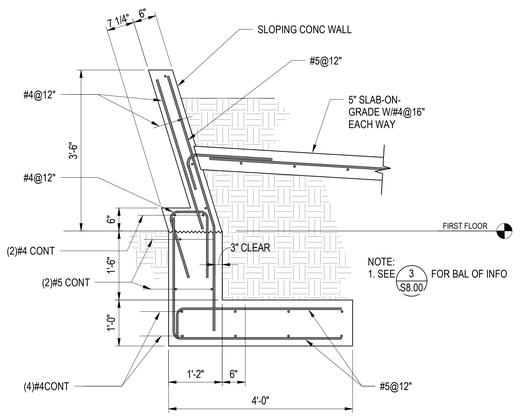

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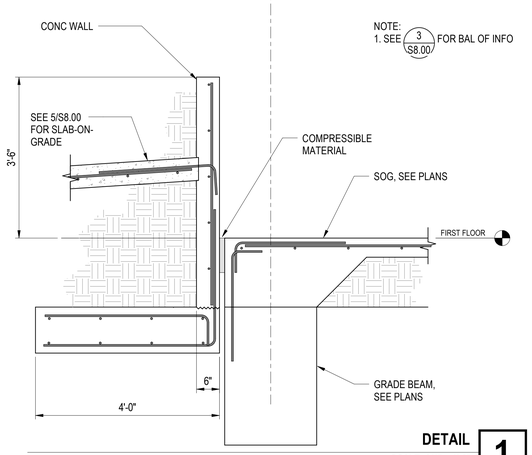

DETAIL 1
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8/5/2021 8:31:19 AM

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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CONSULTANT

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www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL M. BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

FOUNDATION SECTIONS AND DETAILS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

SHEET:

S8.00

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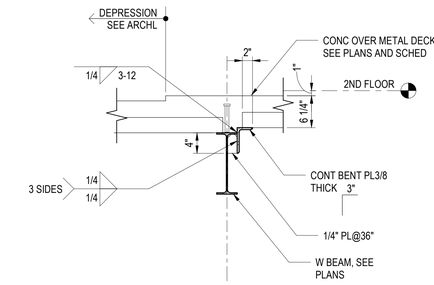

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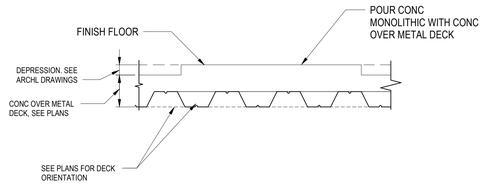

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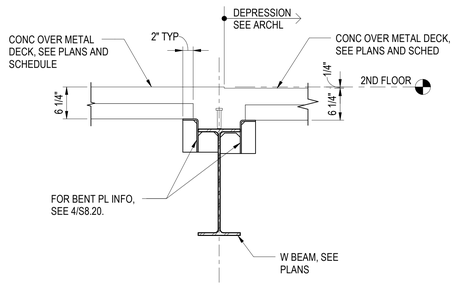

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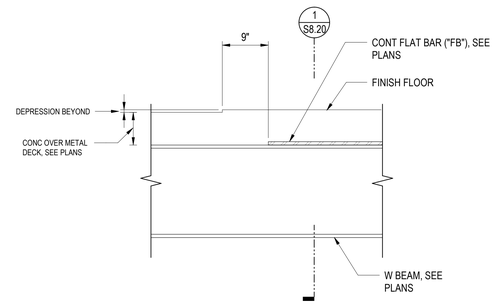

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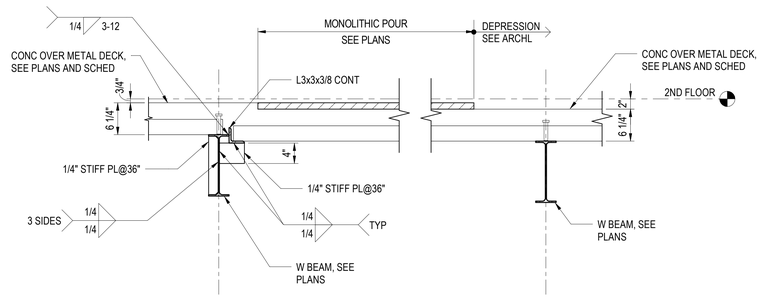

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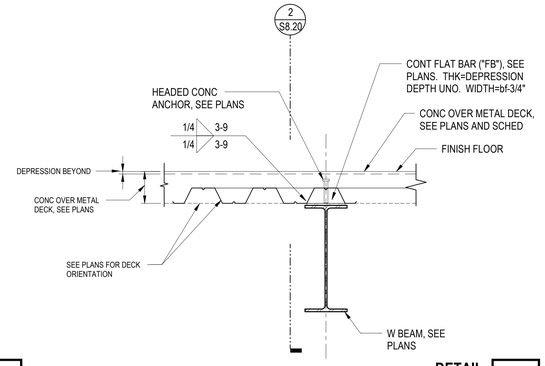

DETAIL 1
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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

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6th Floor
Pasadena, CA 91101
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www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
M. SAIFUL BOUQUET
No. 40053
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

STEEL SECTIONS AND DETAILS

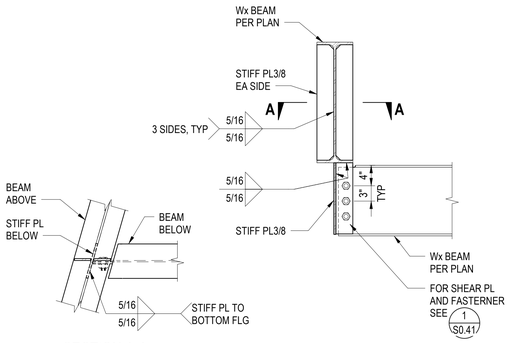
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S8.20



SECTION A-A

DETAIL 13
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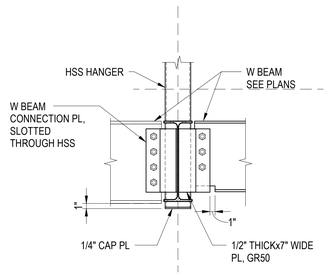

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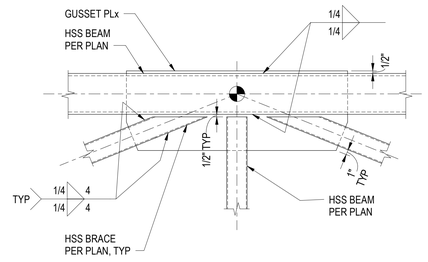

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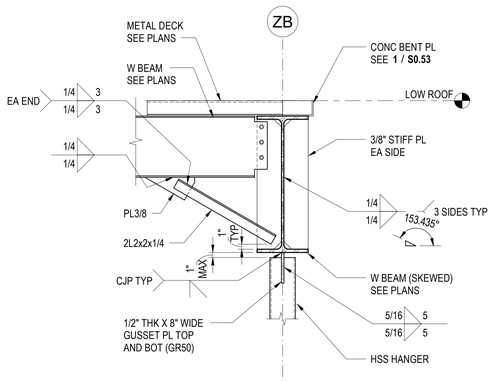

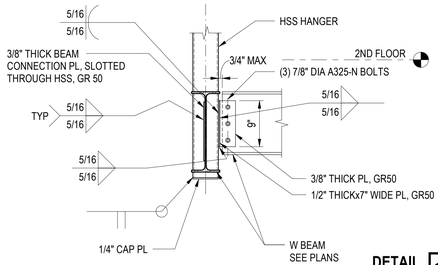

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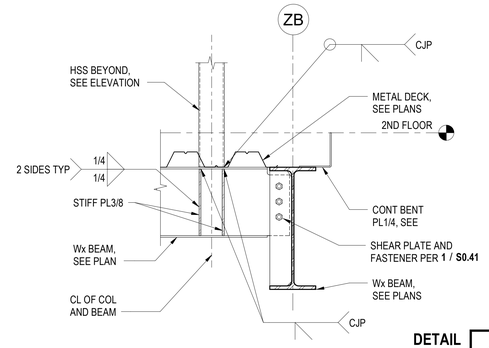

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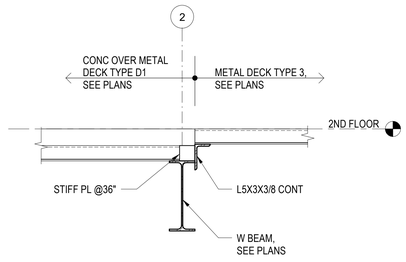

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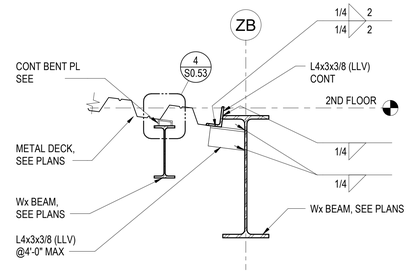

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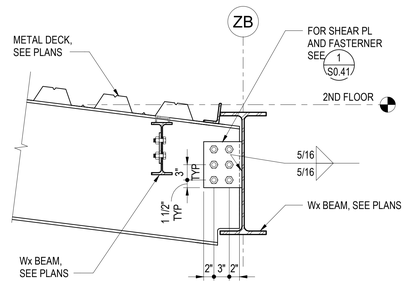

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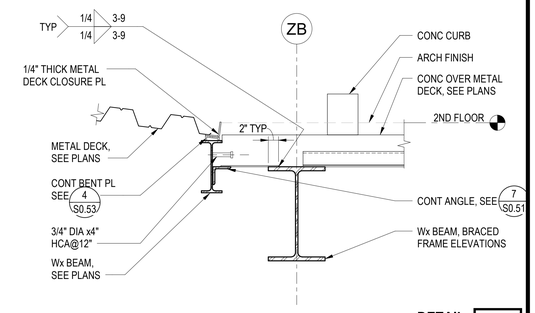

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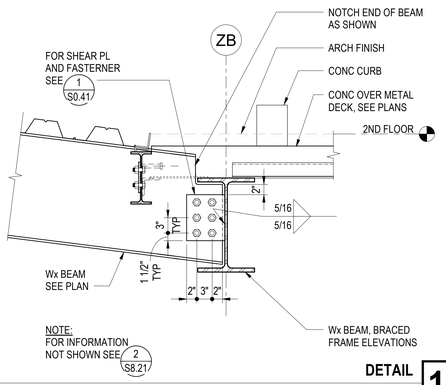

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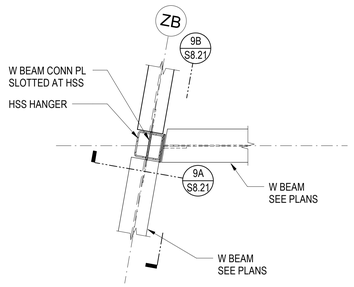

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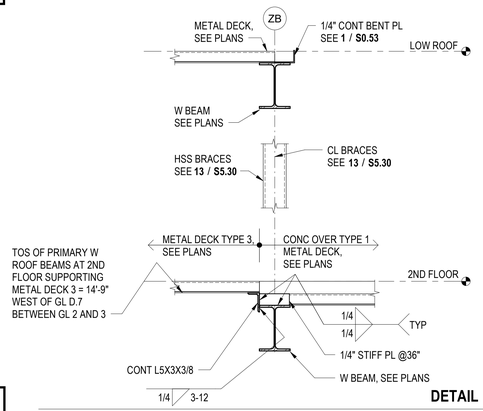

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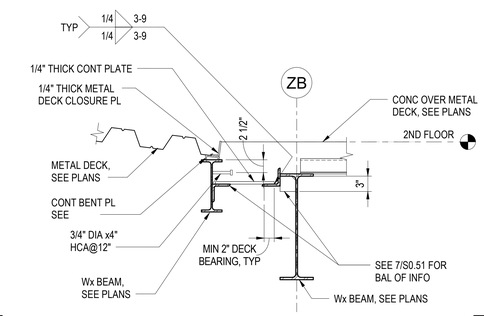

DETAIL 1
SCALE: 1" = 1'-0"

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

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Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. 4083 Exp. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

DETAILS AND SECTIONS

DSA APPROVAL

FILE NO.: 36-C1 | A# : 04-119722

DATE: 08.05.2021 | CLIENT PROJ NO:

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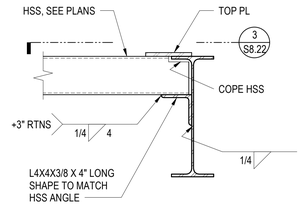

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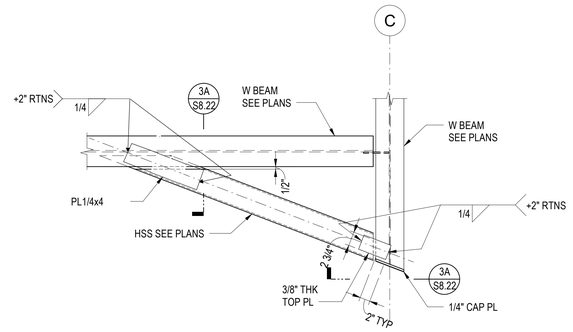

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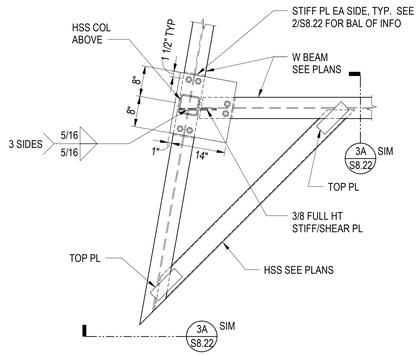

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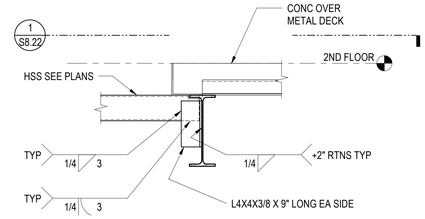

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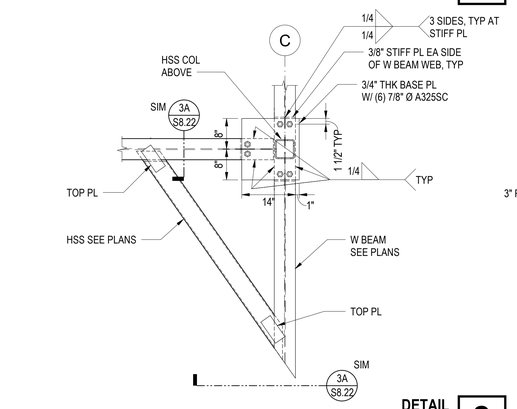

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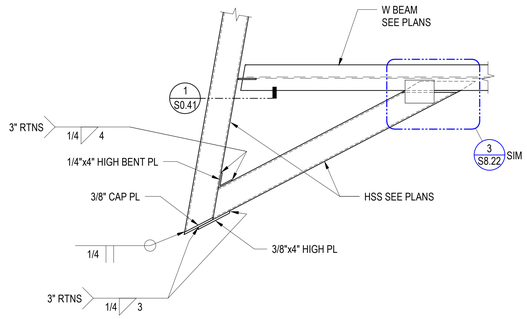

DETAIL 1
SCALE: 1" = 1'-0"

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

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Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
SAIFUL BOUQUET
No. 4063
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SECTIONS AND DETAILS

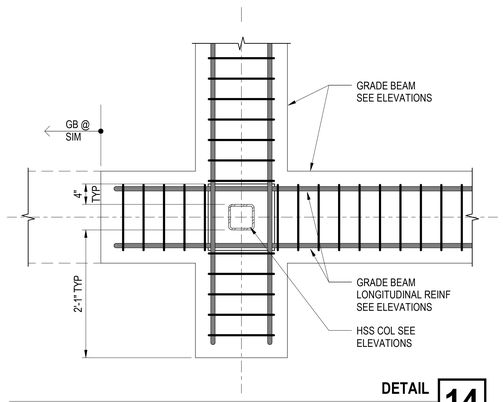
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S8.22



DETAIL 14
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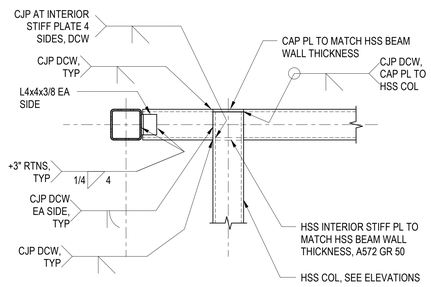

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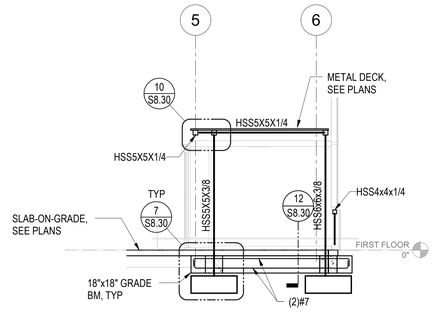

FRAME ELEVATION 4
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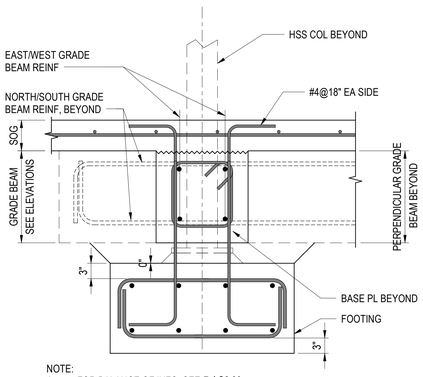

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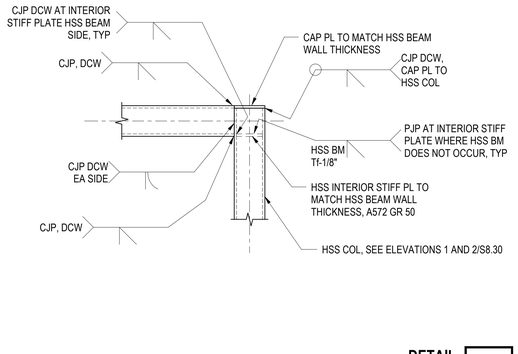

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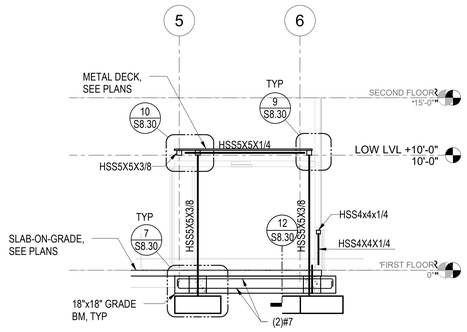

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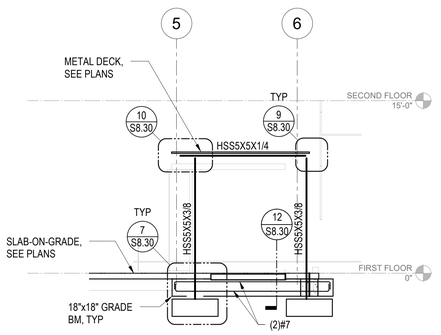
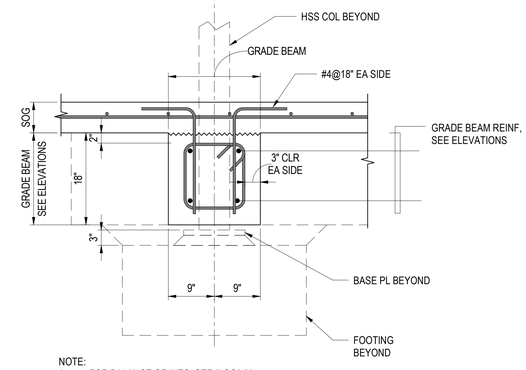
SCALE: 3/16" = 1'-0"



FRAME ELEVATION 3
SCALE: 3/16" = 1'-0"



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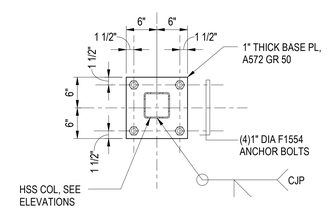

DETAIL 8
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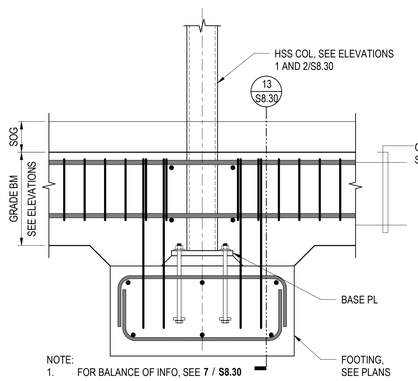
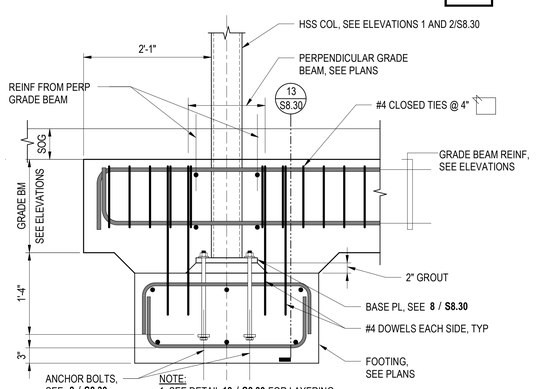


DETAIL 11
SCALE: 1" = 1'-0"



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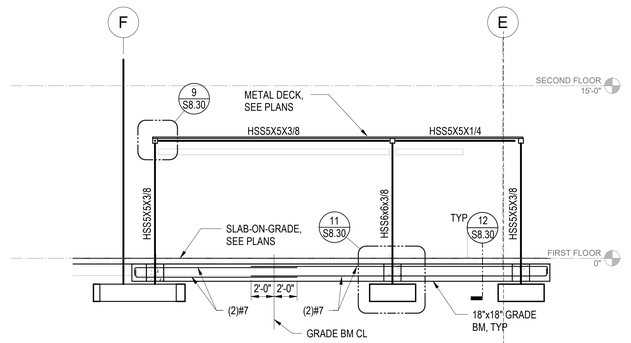
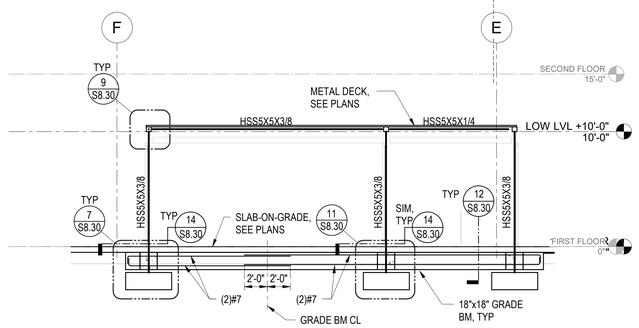
SCALE: 1" = 1'-0"



FRAME ELEVATION 2
SCALE: 3/16" = 1'-0"



FRAME ELEVATION 1
SCALE: 3/16" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
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DATE: 08/19/2021

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HMC Architects
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3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER SAIFUL BOUQUET No. SE 4063 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SUCCESS CENTER

DSA APPROVAL

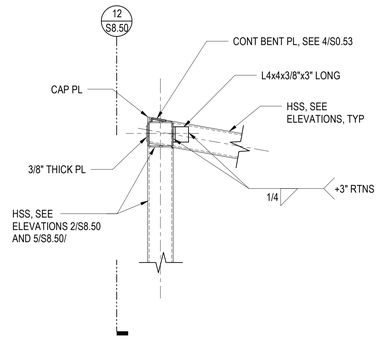
FILE NO.: 36-C1 A# : 04-119722

DATE: 08.05.2021 CLIENT PROJ NO:

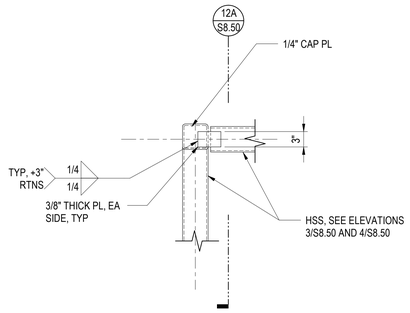
SHEET:

S8.30

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF IT IS SHORTER, SCALE ACCORDINGLY



12A DETAIL
SCALE: 1" = 1'-0"



12 DETAIL
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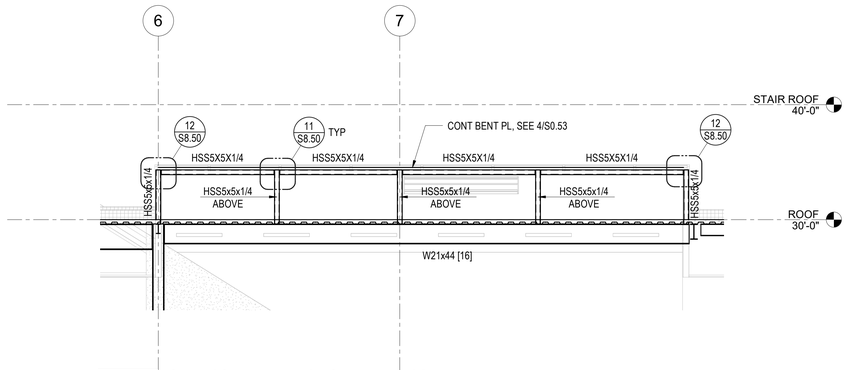
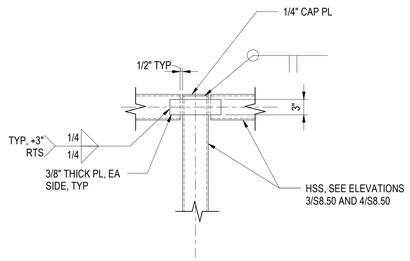
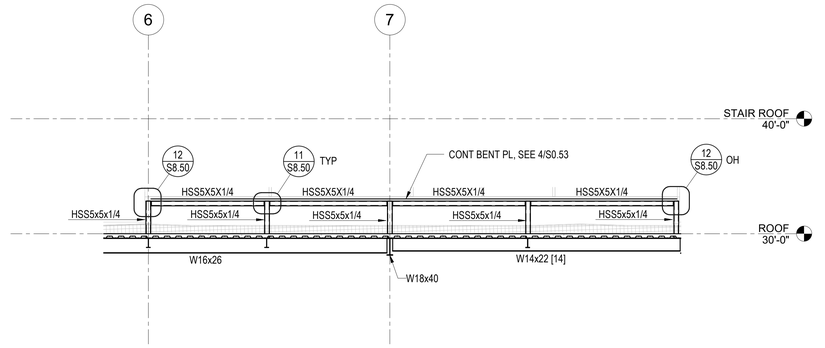


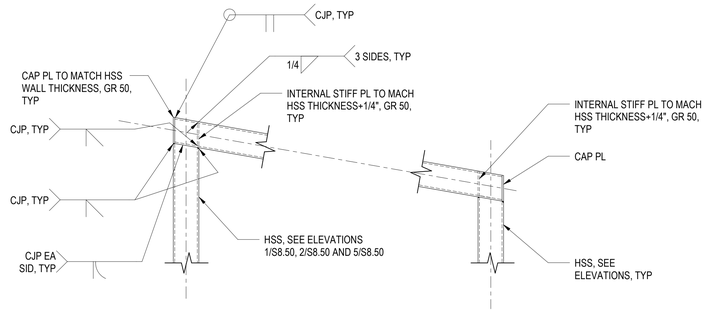
4 SKYLIGHT FRAMING ELEVATION
SCALE: 3/16" = 1'-0"



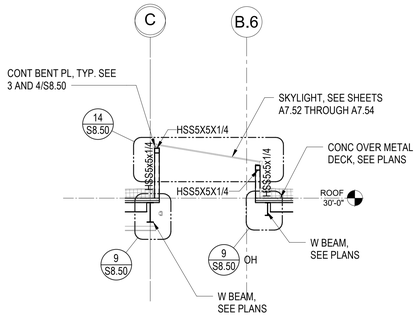
11 DETAIL
SCALE: 1" = 1'-0"



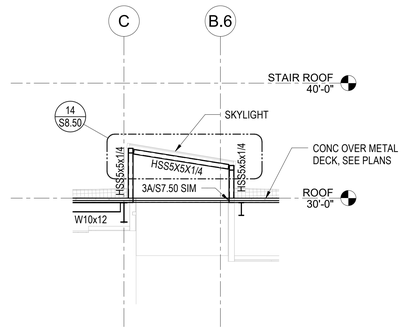
3 SKYLIGHT FRAMING ELEVATION
SCALE: 3/16" = 1'-0"



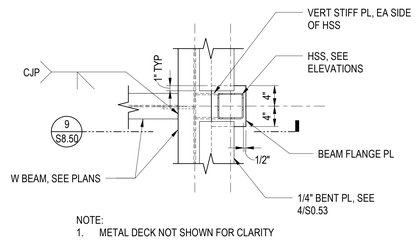
14 DETAIL
SCALE: 1" = 1'-0"



5 TYPICAL SKYLIGHT SECTION
SCALE: 3/16" = 1'-0"



2 SKYLIGHT FRAMING ELEVATION
SCALE: 3/16" = 1'-0"



9A DETAIL
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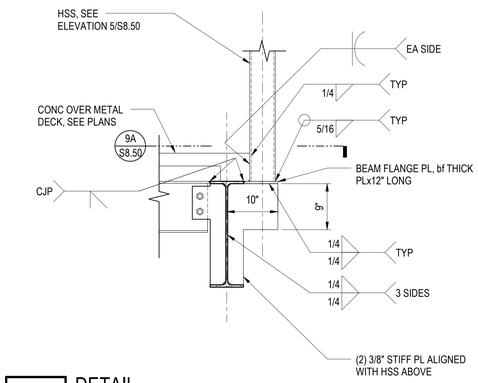
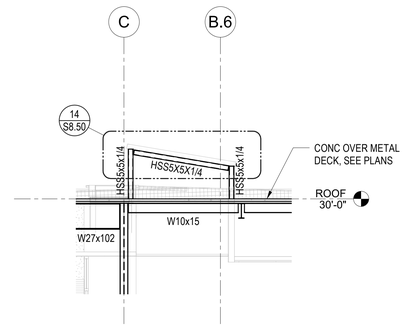


9 DETAIL
SCALE: 1" = 1'-0"



1 SKYLIGHT FRAMING ELEVATION
SCALE: 3/16" = 1'-0"

8/5/2021 6:31:39 AM

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AGENCY APPROVAL:

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APP: 04-119722 INC:
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DATE: 08/19/2021

Chaffey College

HMC Architects
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3546 CONCOURS STREET
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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com

SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER S. A. FULLER No. 40857 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

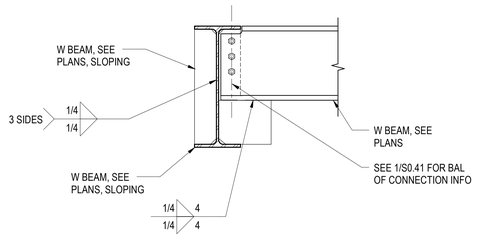
SKYLIGHT FRAMING

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

SHEET:

S8.50



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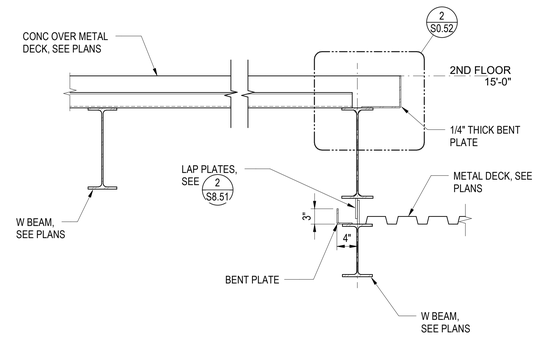

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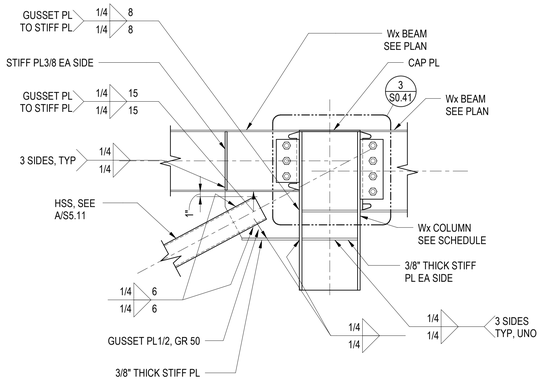

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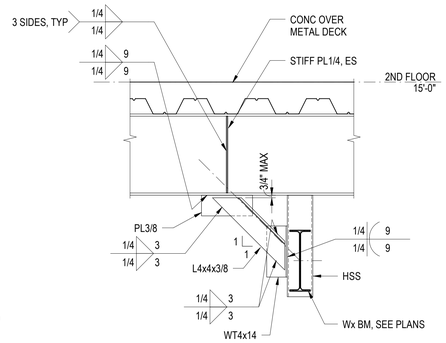

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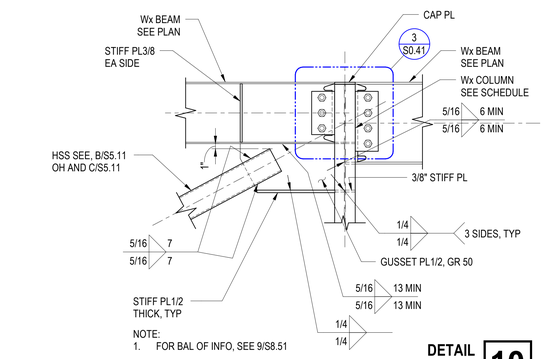

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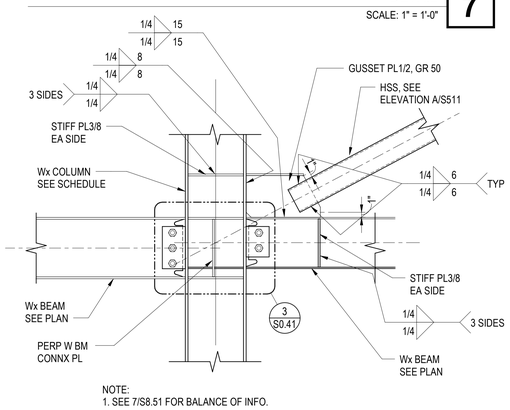

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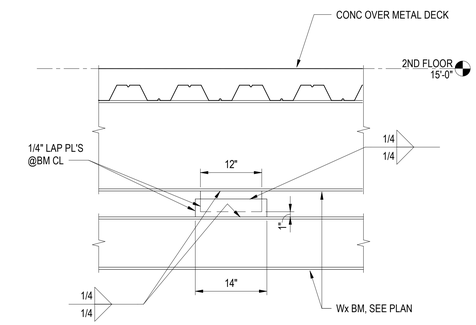

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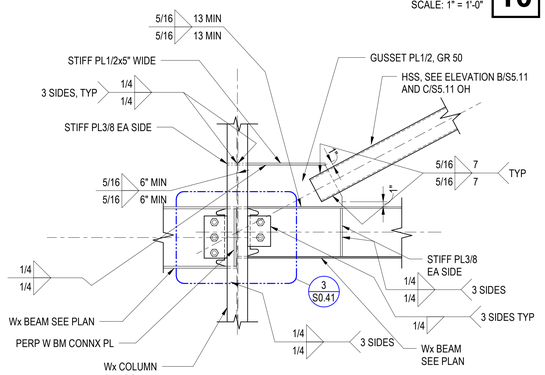
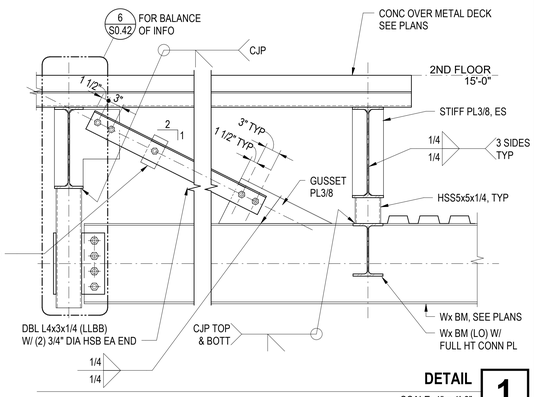
SCALE: 1" = 1'-0"



DETAIL 9
SCALE: 1" = 1'-0"



DETAIL 1
SCALE: 1" = 1'-0"

AGENCY APPROVAL:

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909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.0616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER S. A. FUL BOUQUET No. 40857 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SECTIONS AND DETAILS

DSA APPROVAL

FILE NO.: 36-C1	A# : 04-119722
DATE: 08.05.2021	CLIENT PROJ NO:

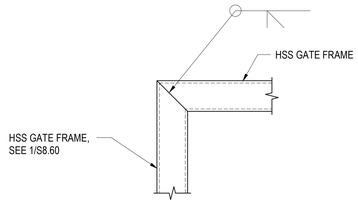
SHEET:

S8.51

8/5/2021 6:32:04 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE



DETAIL 8
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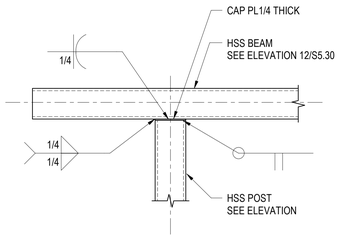

DETAIL 7
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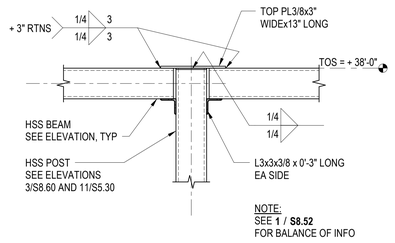

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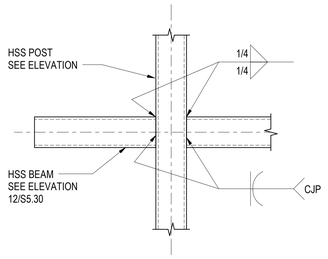

DETAIL 6
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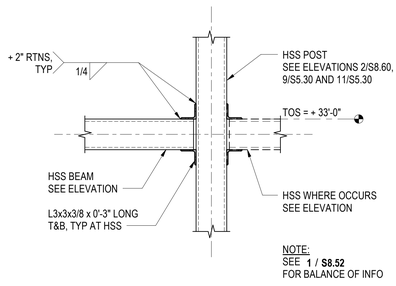

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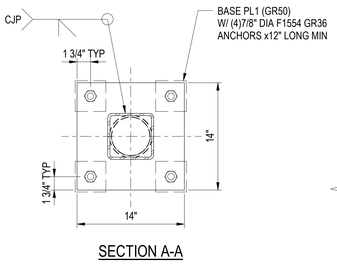
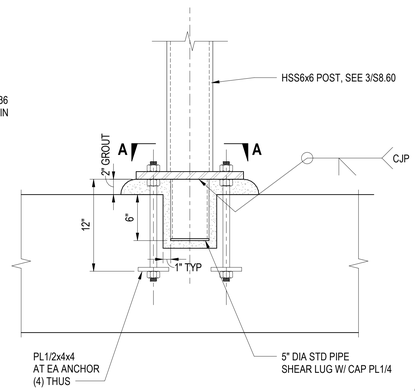


SECTION A-A



DETAIL 9
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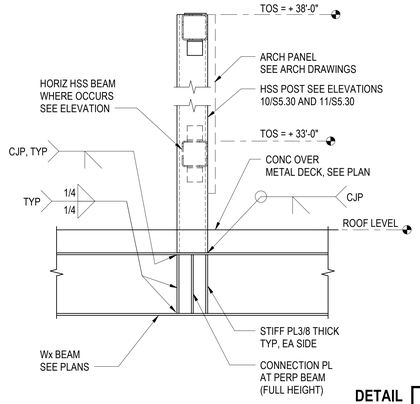

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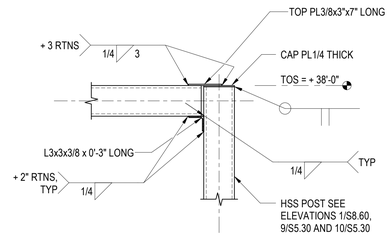

DETAIL 1
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8/5/2021 6:32:07 AM

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AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
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Chaffey College

HMC Architects
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ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue,
6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
M. SAIFUL BOUQUET
No. 4083
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SECTIONS AND DETAILS

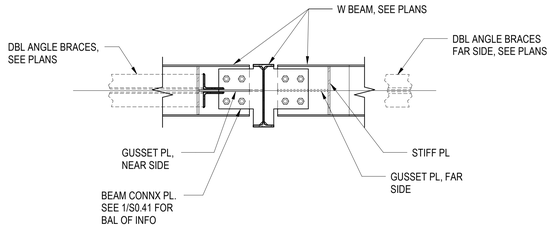
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S8.52



NOTE:
1. FOR BAL OF INFO, SEE 5A/S8.53

DETAIL 6A
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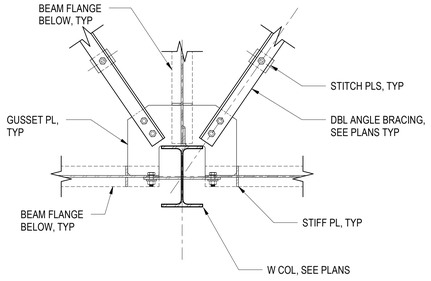
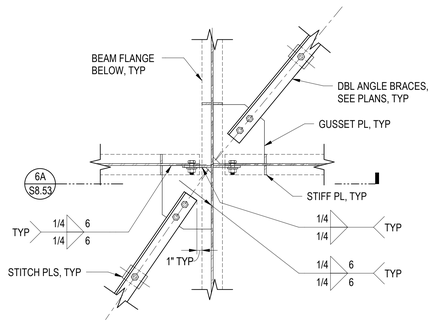


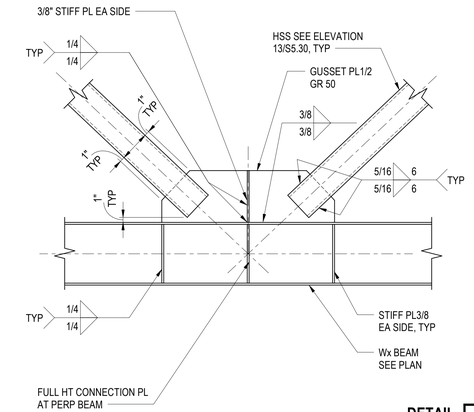
NOTES:
1. FOR BAL OF INFO, SEE **5 / S8.53**

DETAIL 8
SCALE: 1" = 1'-0"

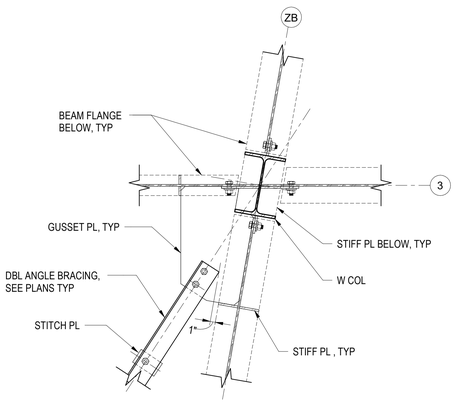


NOTE:
1. FOR BALANCE OF INFO, SEE 5/S8.53

DETAIL 6
SCALE: 1" = 1'-0"

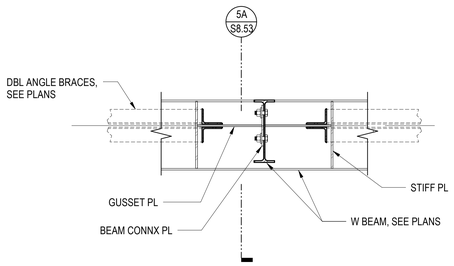


DETAIL 3
SCALE: 1" = 1'-0"

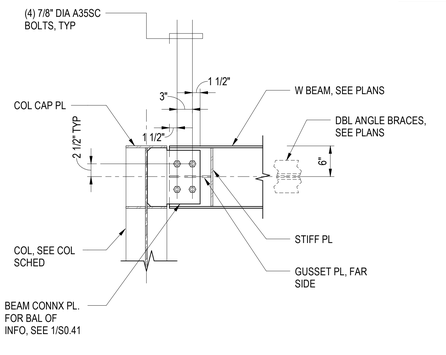


NOTES:
1. FOR BAL OF INFO, SEE **5 / S8.53**

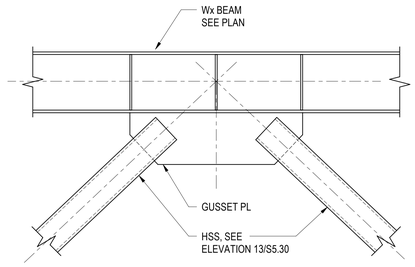
DETAIL 15
SCALE: 1" = 1'-0"



DETAIL 7A
SCALE: 1" = 1'-0"

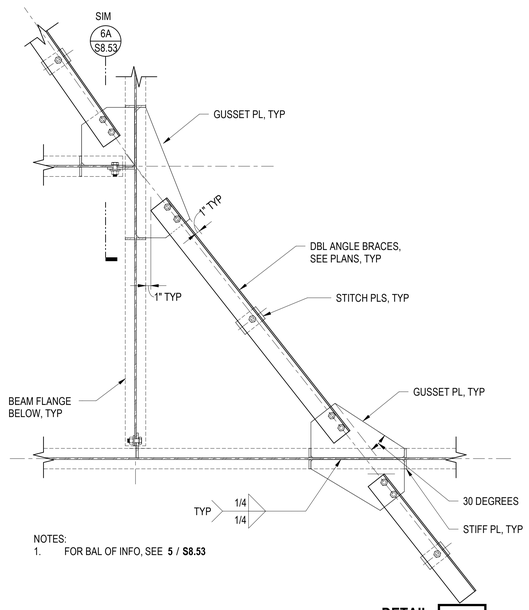


DETAIL 5A
SCALE: 1" = 1'-0"



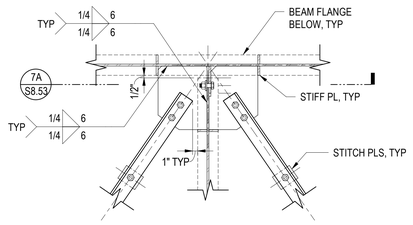
NOTE:
SEE **3 / S8.53** FOR BALANCE OF INFO

DETAIL 2
SCALE: 1" = 1'-0"



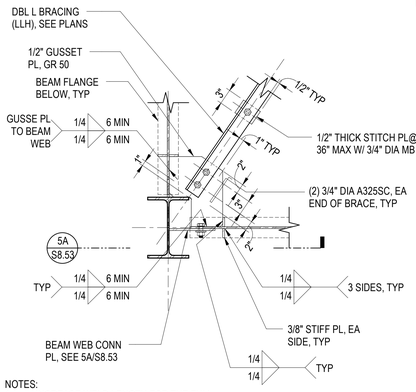
NOTES:
1. FOR BAL OF INFO, SEE **5 / S8.53**

DETAIL 13
SCALE: 1" = 1'-0"



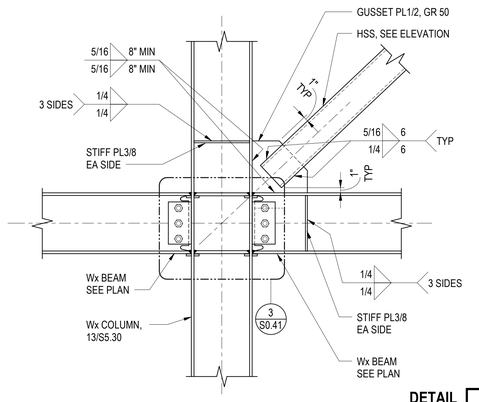
NOTES:
1. FOR BAL OF INFO, SEE **5 / S8.53**

DETAIL 7
SCALE: 1" = 1'-0"



NOTES:
1. INCREASE WELD LENGTH FOR THE FULL LENGTH OF GUSSET PL AT WEB, TYP

DETAIL 5
SCALE: 1" = 1'-0"



DETAIL 1
SCALE: 1" = 1'-0"

AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
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3546 CONCOURS STREET
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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers
155 North Lake Avenue, 6th Floor
Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. A. SAIFUL BOUQUET No. 40637 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SECTIONS AND DETAILS

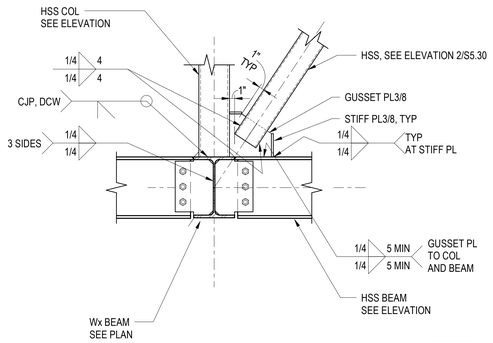
DSA APPROVAL

FILE NO.: **36-C1** A#: **04-119722**

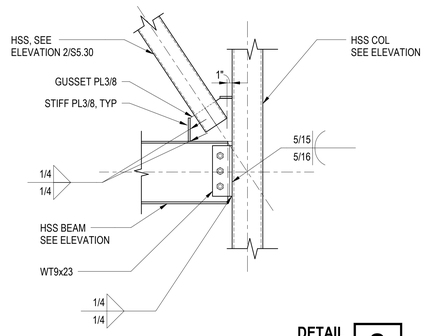
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

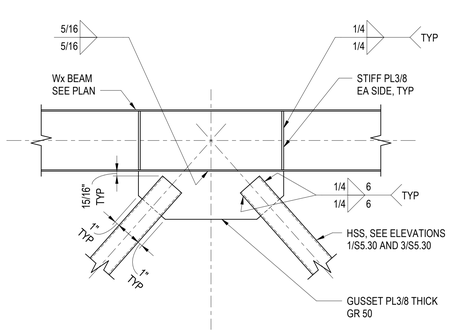
S8.53



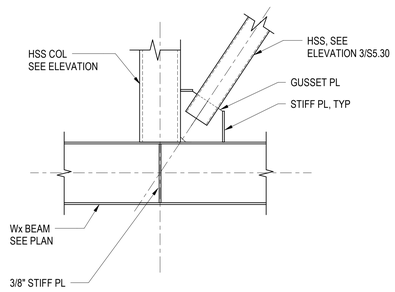
DETAIL SCALE: 1" = 1'-0" **12**



DETAIL SCALE: 1" = 1'-0" **8**

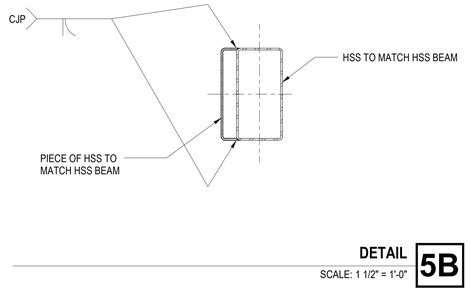


DETAIL SCALE: 1" = 1'-0" **2**

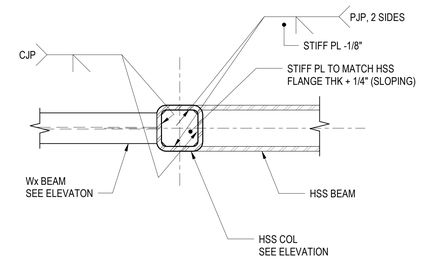


NOTES:
1. FOR BAL OF INFO, SEE **12** / **S8.54**

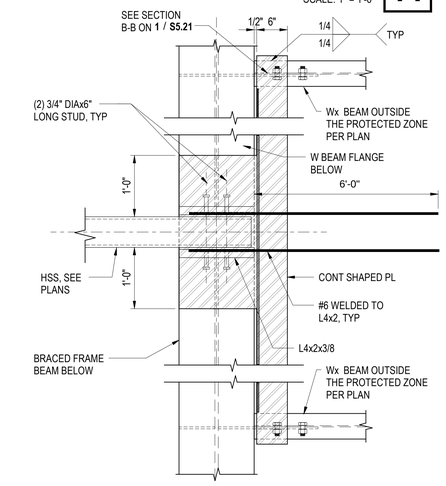
DETAIL SCALE: 1" = 1'-0" **11**



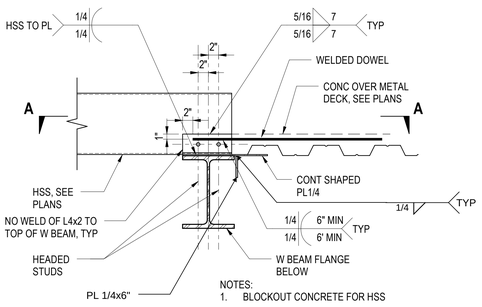
DETAIL SCALE: 1 1/2" = 1'-0" **5B**



DETAIL SCALE: 1 1/2" = 1'-0" **1B**

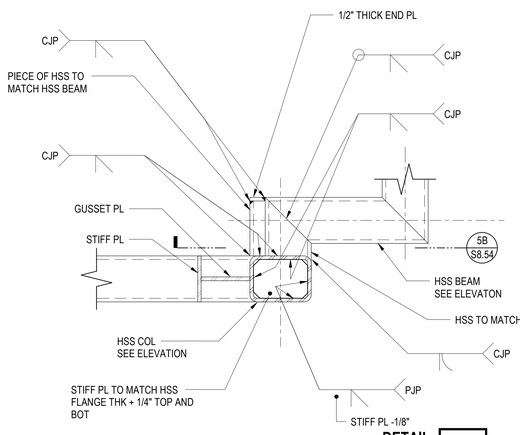


PLAN VIEW A-A

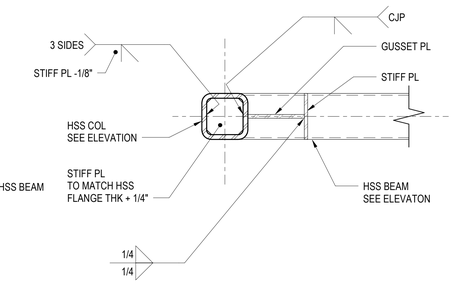


NOTES:
1. BLOCKOUT CONCRETE FOR HSS

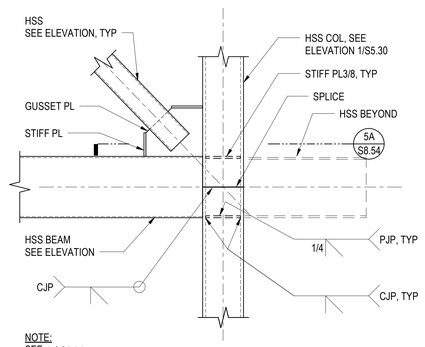
DETAIL SCALE: 1" = 1'-0" **9**



DETAIL SCALE: 1 1/2" = 1'-0" **5A**

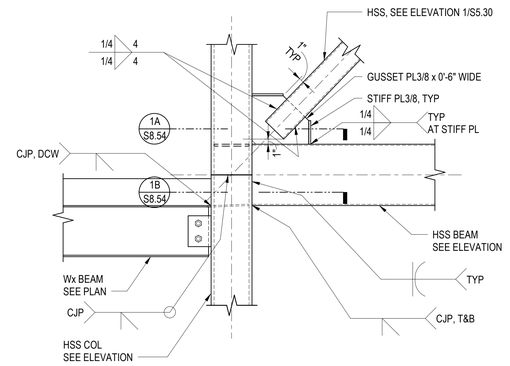


DETAIL SCALE: 1 1/2" = 1'-0" **1A**



NOTE:
SEE **1** / **S8.54**
FOR BALANCE OF INFO

DETAIL SCALE: 1" = 1'-0" **5**



DETAIL SCALE: 1" = 1'-0" **1**

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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CONSULTANT

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155 North Lake Avenue, 6th Floor
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Telephone 626.304.2616
www.saifulbouquet.com
SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
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STRUCTURAL
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CHINO, CA 91710

PROJECT:
CHINO INSTRUCTIONAL BUILDING

SHEET NAME:
SECTIONS AND DETAILS

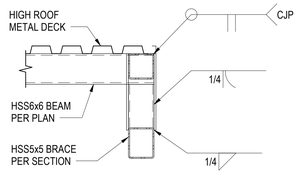
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

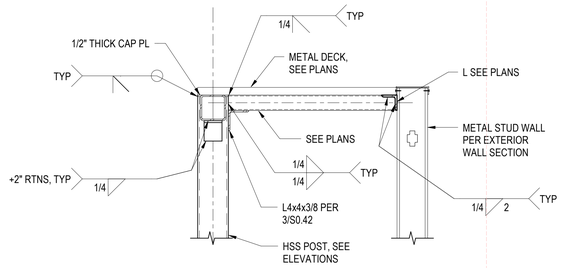
DATE: **08.05.2021** CLIENT PROJ NO:

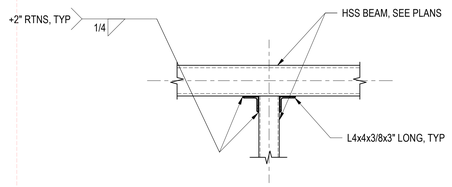
SHEET:

S8.54

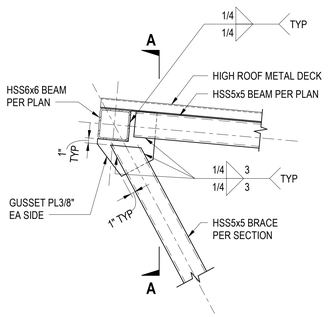


SECTION A-A

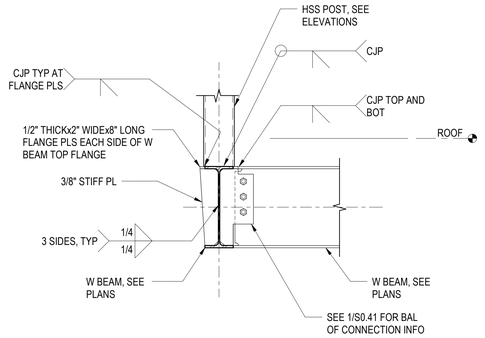




DETAIL **4**
SCALE: 1" = 1'-0"



DETAIL **12**
SCALE: 1" = 1'-0"



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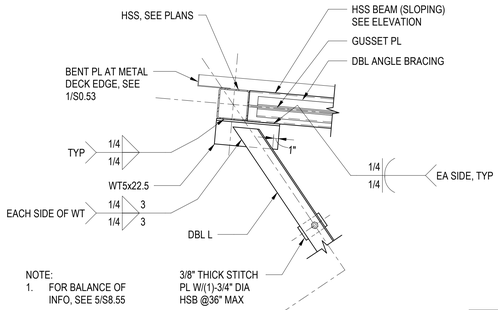
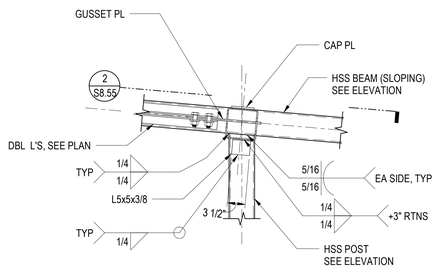
SCALE: 1" = 1'-0"

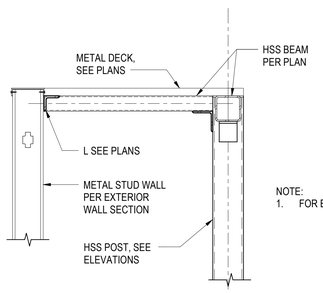


NOTE:
1. FOR BALANCE OF INFO, SEE 5/S8.55

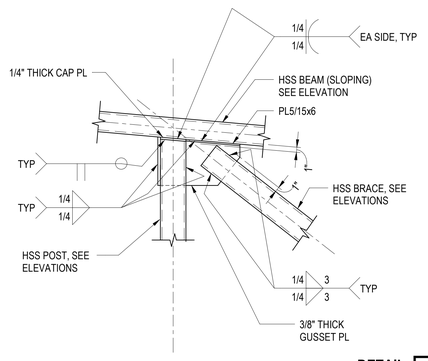
DETAIL **6**
SCALE: 1" = 1'-0"



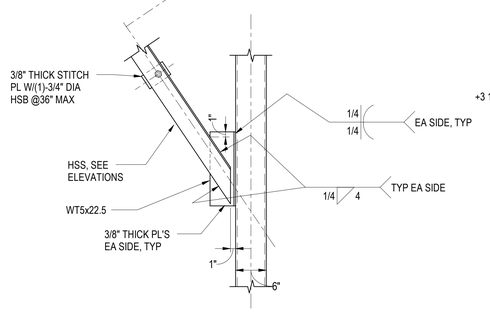
DETAIL **3**
SCALE: 1" = 1'-0"



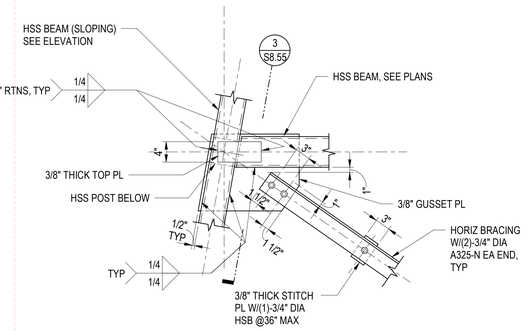
NOTE:
1. FOR BALANCE OF INFO, SEE **10** / **S8.55**



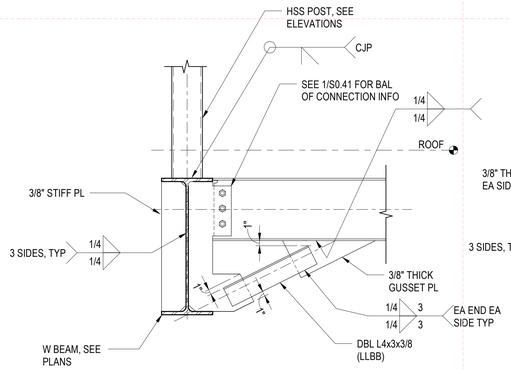
DETAIL **9**
SCALE: 1" = 1'-0"



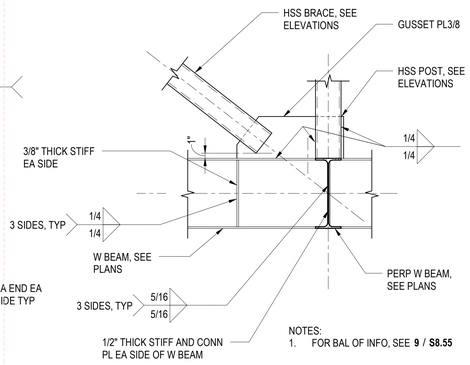
DETAIL **7**
SCALE: 1" = 1'-0"



DETAIL **2**
SCALE: 1" = 1'-0"

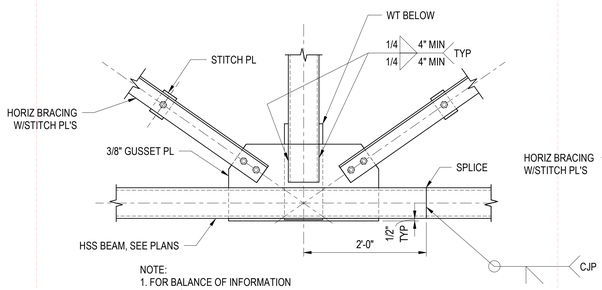


DETAIL **11**
SCALE: 1" = 1'-0"



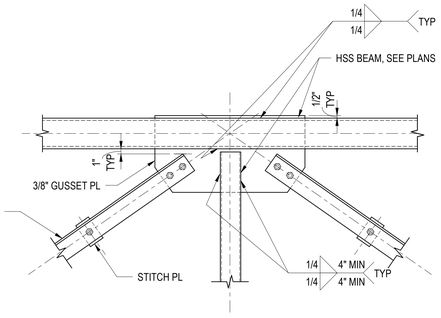
NOTES:
1. FOR BAL OF INFO, SEE **9** / **S8.55**

DETAIL **8**
SCALE: 1" = 1'-0"



NOTE:
1. FOR BALANCE OF INFORMATION
SEE **1** / **S8.55**

DETAIL **5**
SCALE: 1" = 1'-0"



NOTE:
1. FOR BALANCE OF INFO, SEE 2/S8.55

DETAIL **1**
SCALE: 1" = 1'-0"

8/5/2021 6:32:21 AM

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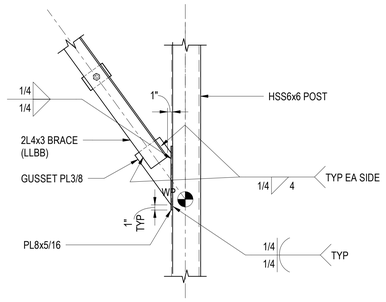
SHEET:

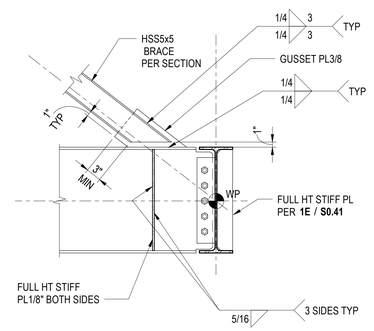
S8.55

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SPACE SIZE



DETAIL 4

SCALE: 1" = 1'-0"



DETAIL 3

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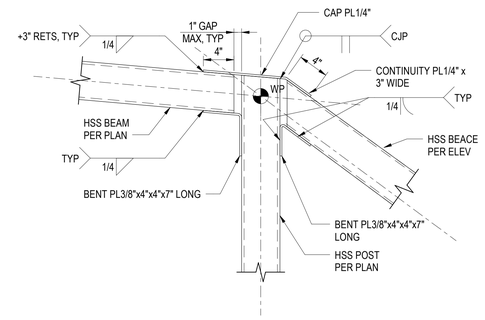
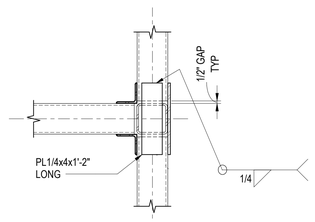
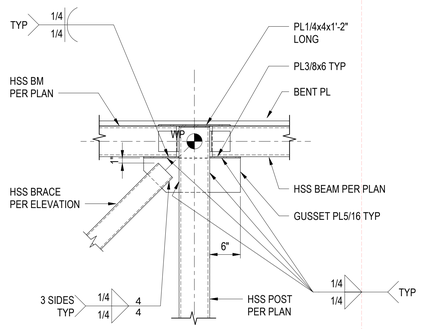


DETAIL 2

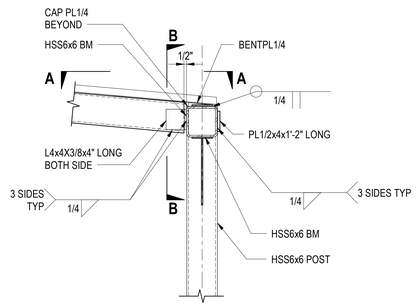
SCALE: 1 1/2" = 1'-0"



PLAN VIEW - AA

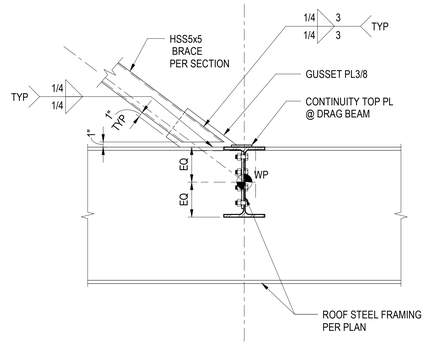


SECTION - BB



DETAIL 5

SCALE: 1" = 1'-0"



DETAIL 1

SCALE: 1" = 1'-0"

8/3/2021 6:32:24 AM

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LICENSED ARCHITECT
KENNETH SALTER
NO. C-19082
REN. 11-30-21
STATE OF CALIFORNIA

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

CONSULTANT

saiful•bouquet structural engineers

155 North Lake Avenue,
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Pasadena, CA 91101
Telephone 626.304.2616
www.saifulbouquet.com

SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER
M. SAIFUL BOUQUET
No. 40033
EXP. 06/30/22
STRUCTURAL
STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SECTIONS AND DETAILS

DSA APPROVAL

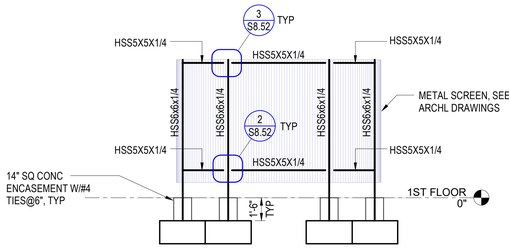
FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

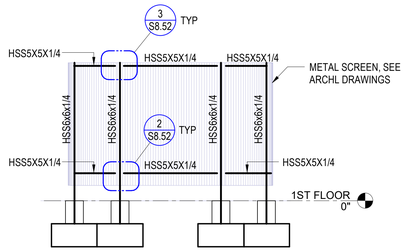
S8.56

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY



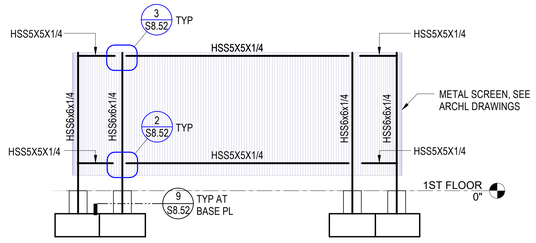
ELEVATION - SOUTH **4**

SCALE: 1/4" = 1'-0"



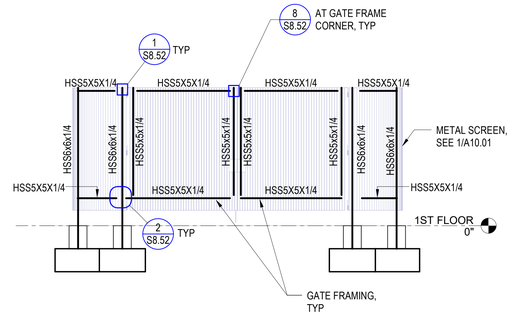
ELEVATION - NORTH **2**

SCALE: 1/4" = 1'-0"



ELEVATION - EAST **3**

SCALE: 1/4" = 1'-0"



ELEVATION - WEST **1**

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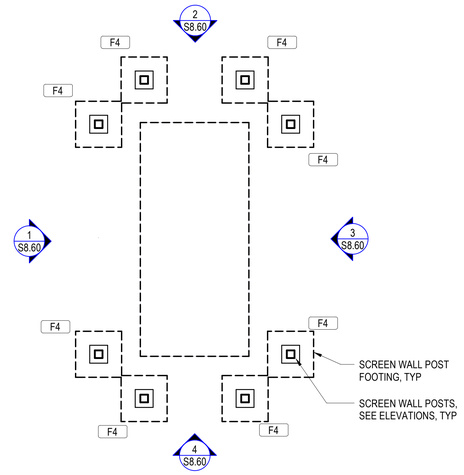

NOTES:
1. SEE S2.10A FOR FOUNDATION NOTES
2. SEE 1/A7.61 FOR BAL OF INFO

SUBSTATION PLAN **A**

SCALE: 1/4" = 1'-0"

8/5/2021 6:32:29 AM

PLEASE RECYCLE

AGENCY APPROVAL:

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APP: 04-119722 INC:
REVIEWED FOR
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DATE: 08/19/2021

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LICENSED ARCHITECT KENNETH SALTER NO. C-19082 REN. 11-30-21 STATE OF CALIFORNIA

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SB Job No:20505

REGISTERED PROFESSIONAL ENGINEER M. SAIFUL BOUQUET No. SE 4053 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

SUBSTATION PAD AND SCREEN WALLS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S8.60

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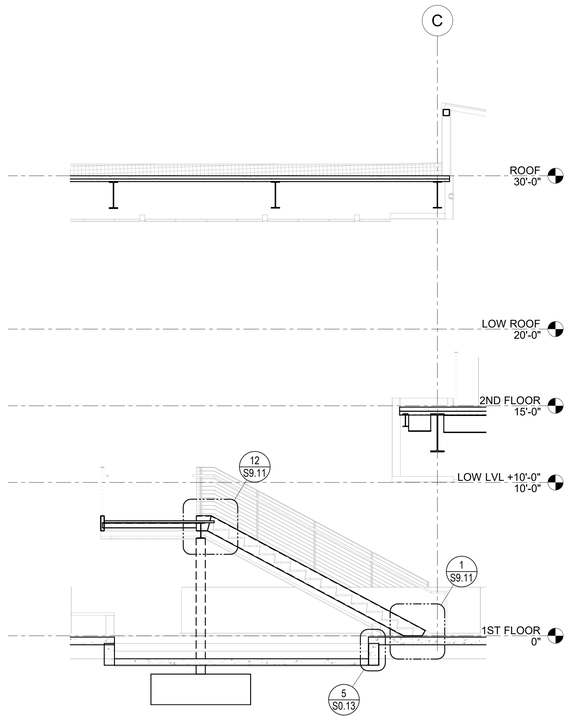

SECTION **B**

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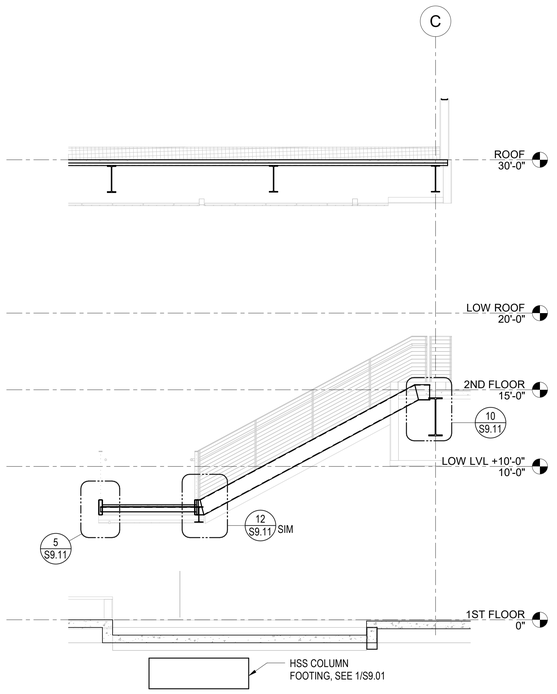

SECTION **A**

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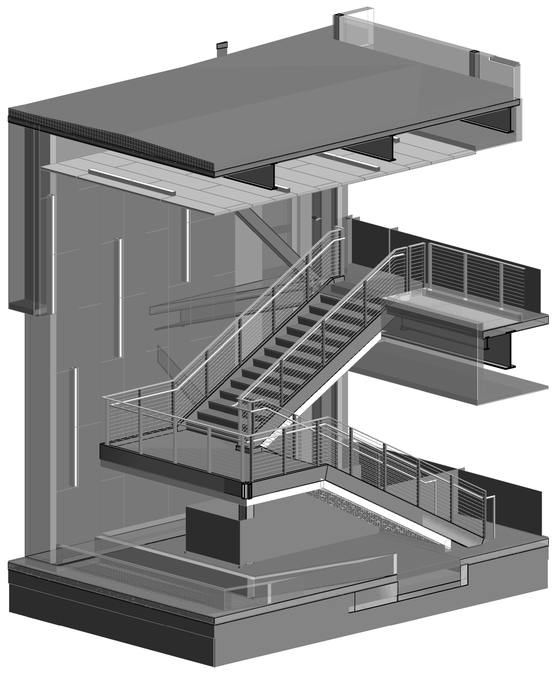
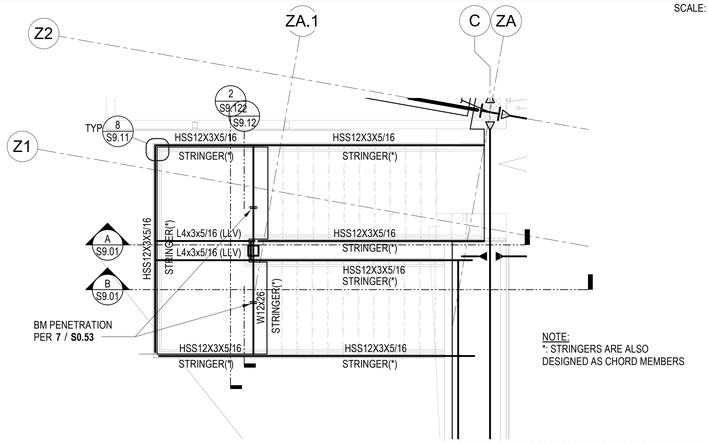


NOTES:
1. SEE **S2.10A** AND **S2.20A** FOR NOTES.
2. ALL STEEL NOTED THUS (*) SHALL BE AESS
3. ALL STAIR LANDING SHALL BE 3" NORMAL WEIGHT CONCRETE WITH 4X4/W2.0XW2.0 WWF AT SLAB CENTERLINE, TYP

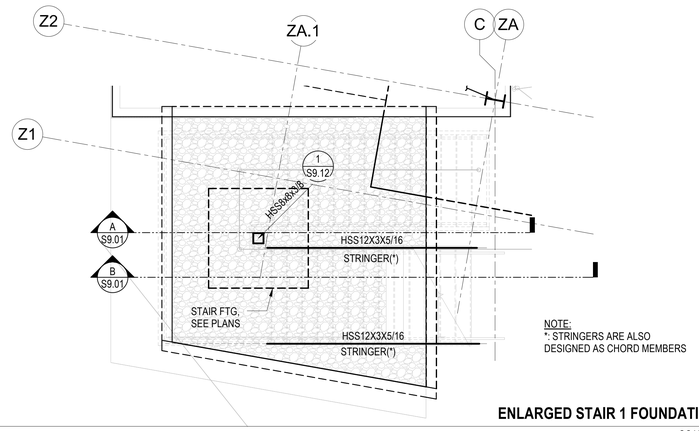
STAIR PLAN FRAMING NOTES



NOTE:
*: STRINGERS ARE ALSO DESIGNED AS CHORD MEMBERS

ENLARGED STAIR 1 2ND FLOOR FRAMING PLAN **2**

SCALE: 1/4" = 1'-0"



NOTE:
*: STRINGERS ARE ALSO DESIGNED AS CHORD MEMBERS

ENLARGED STAIR 1 FOUNDATION PLAN **1**

SCALE: 1/4" = 1'-0"

8/5/2021 8:32:36 AM

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EXP. 06/30/22
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CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED STAIR-1 PLANS AND SECTIONS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

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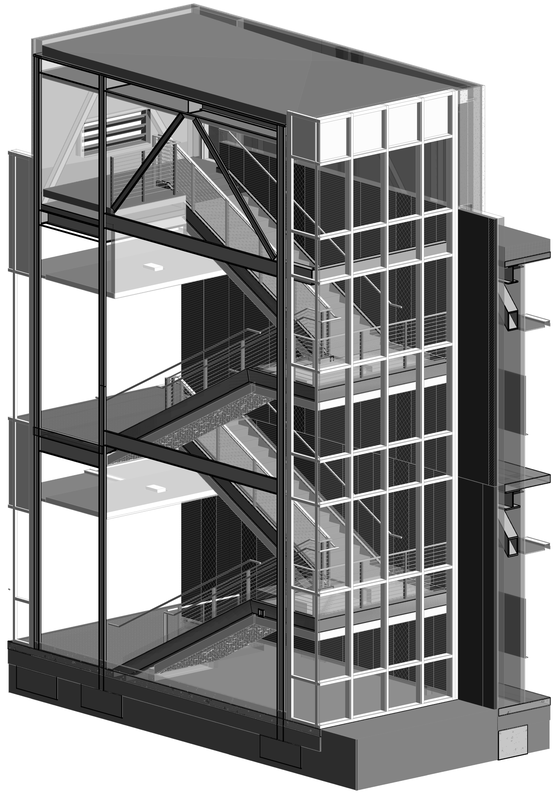
S9.01

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL SIZE (D)



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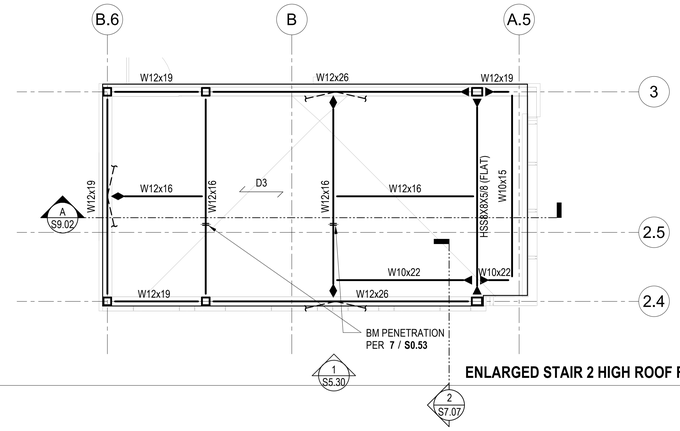
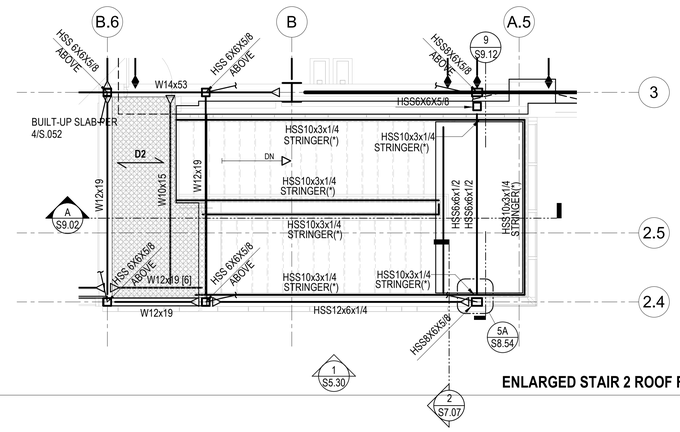
STAIR PLAN FRAMING NOTES

SECTION **A**
SCALE: 1/4" = 1'-0"



ENLARGED STAIR 2 HIGH ROOF FRAMING PLAN **4**
SCALE: 1/4" = 1'-0"



ENLARGED STAIR 2 ROOF FRAMING PLAN **3**
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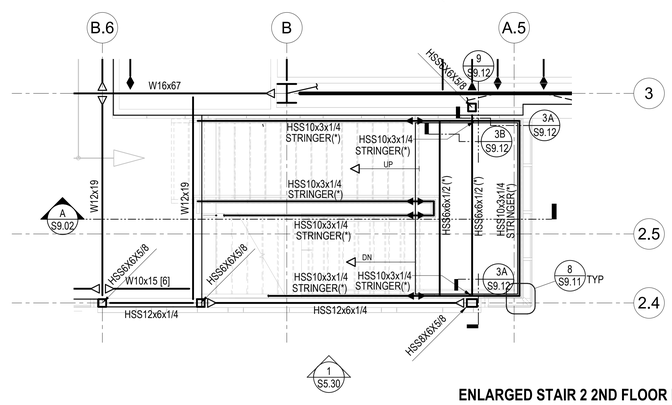

ENLARGED STAIR 2 2ND FLOOR FRAMING PLAN **2**
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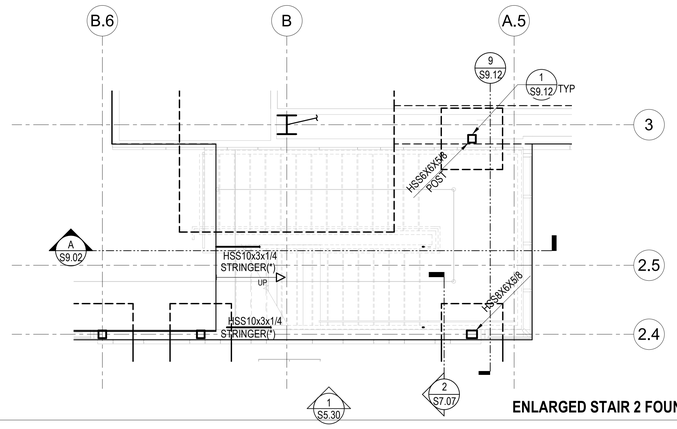

ENLARGED STAIR 2 FOUNDATION PLAN **1**
SCALE: 1/4" = 1'-0"

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5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED STAIR-2 PLANS AND SECTIONS

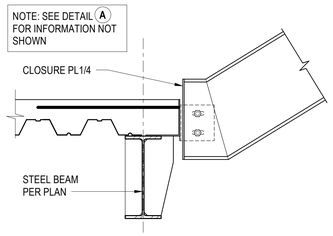
DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

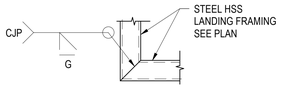
DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

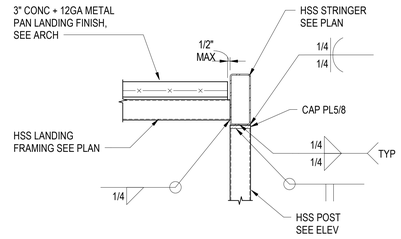
S9.02



UPTURN STRINGER B



DETAIL 8
SCALE: 1" = 1'-0"



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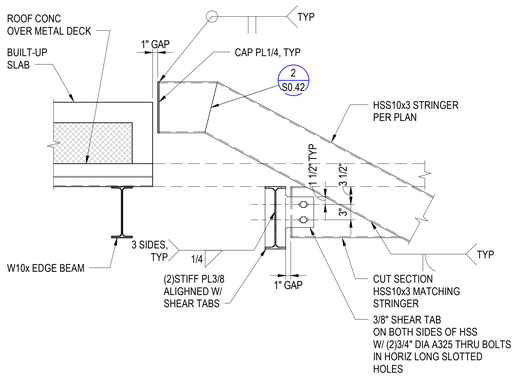

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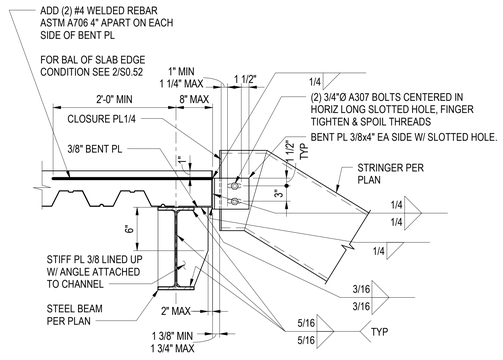

DOWNTURN STRINGER A

STRINGER CONNECTION AT FLOOR DETAIL 10
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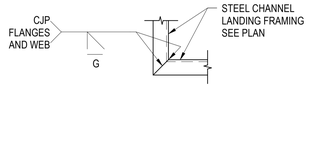

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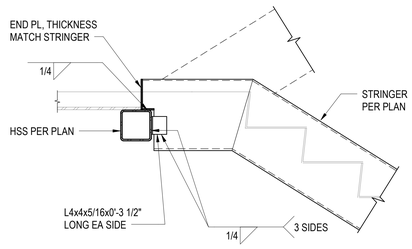

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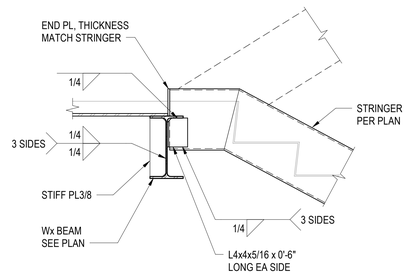

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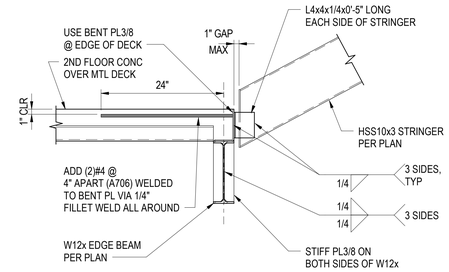
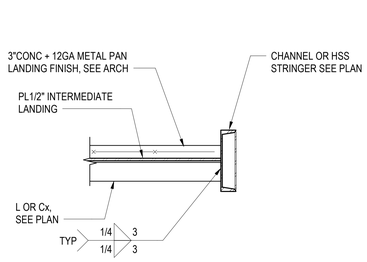


DETAIL B

TYPICAL L OR C CONNECTION DETAIL 6
SCALE: 1" = 1'-0"



TYPICAL STAIR RISER SUPPORT DETAIL 2
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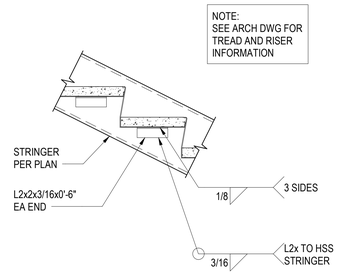

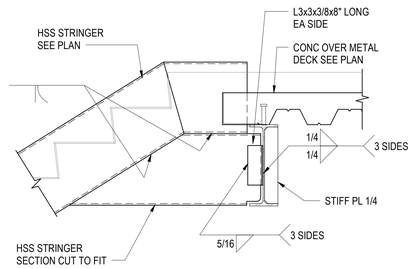

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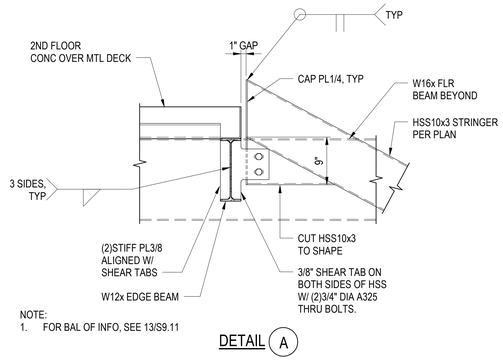
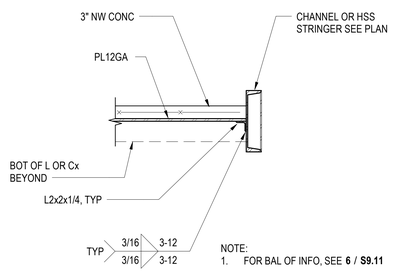
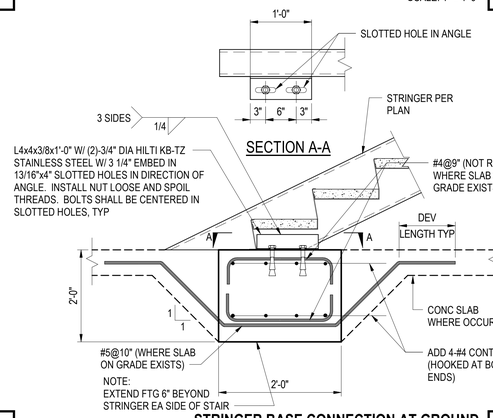


DETAIL A

STRINGER CONNECTION AT FLOOR DETAIL 9
SCALE: 1" = 1'-0"



TYPICAL LANDING PL CONNECTION DETAIL 5
SCALE: 1" = 1'-0"



STRINGER BASE CONNECTION AT GROUND 1
SCALE: 1" = 1'-0"

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ENLARGED STAIR SECTIONS AND DETAILS

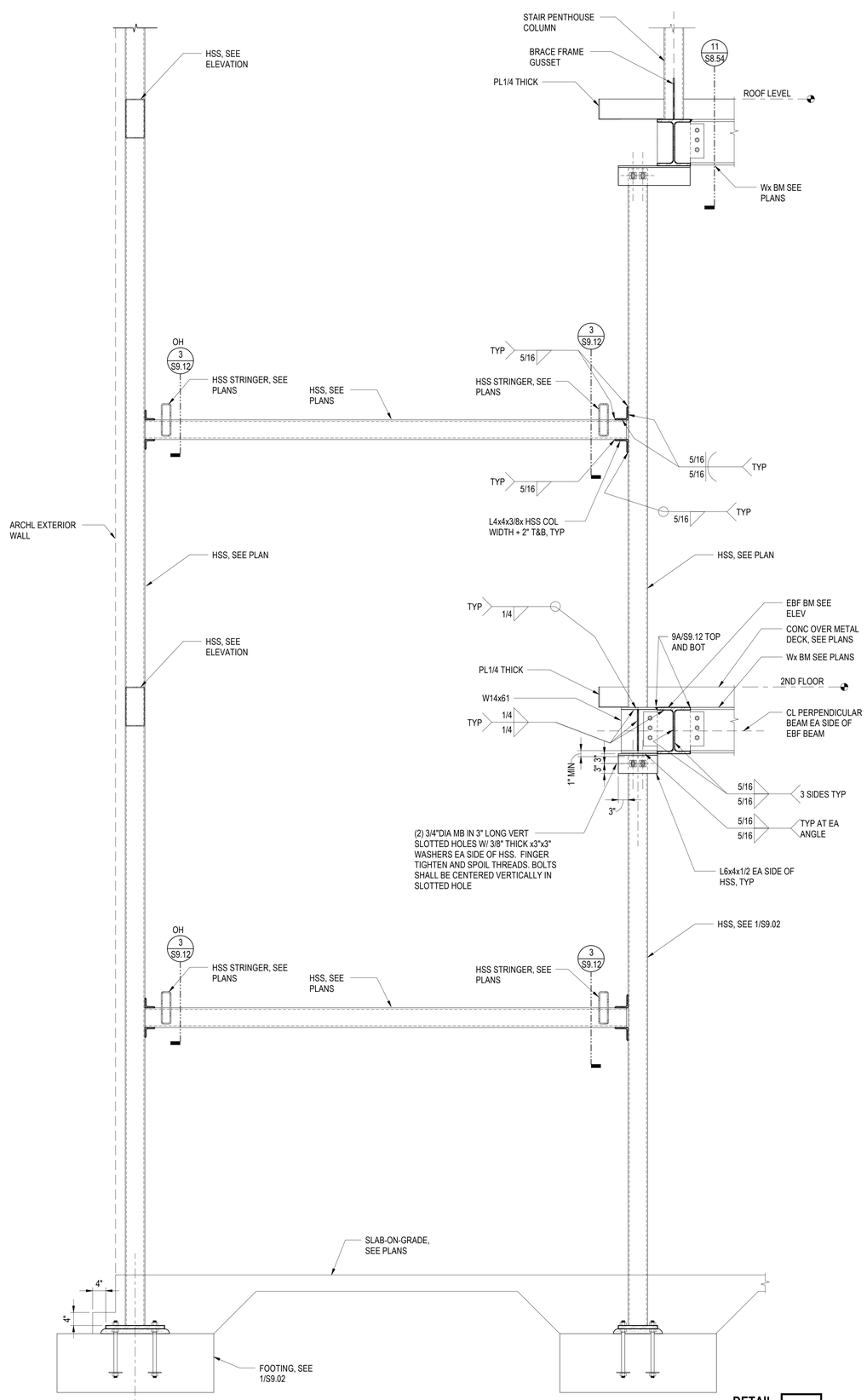
DSA APPROVAL

FILE NO.: **36-C1** A# : **04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S9.11



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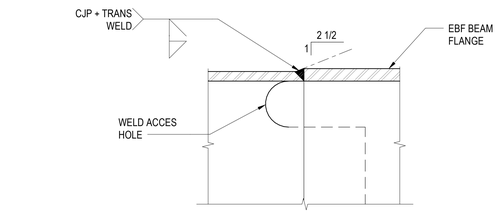

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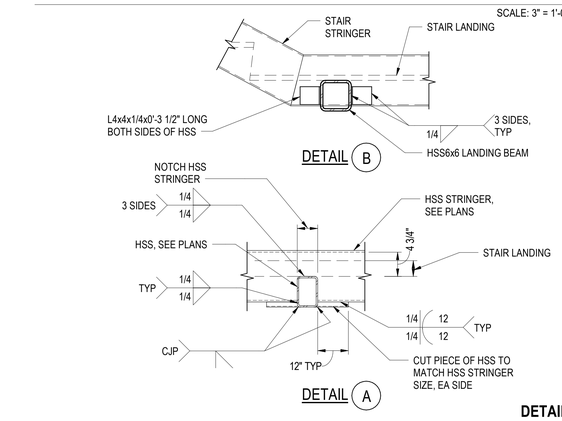

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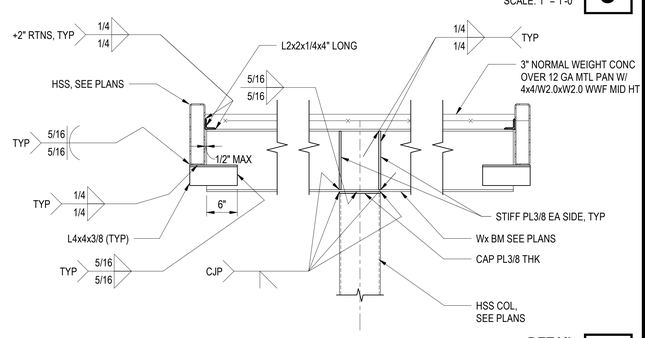

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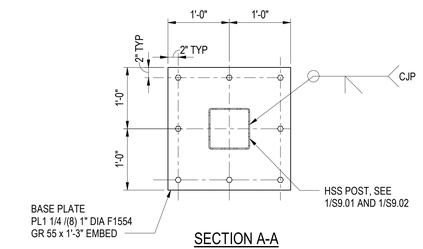
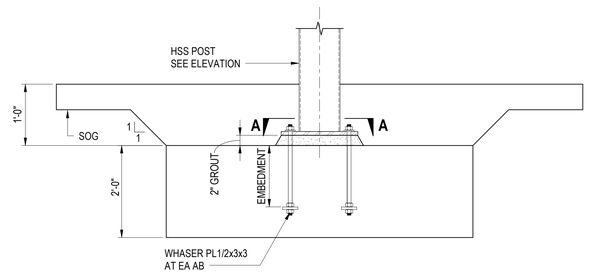


SECTION A-A



DETAIL 1 SCALE: 1" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER SAIFUL M. BOUQUET No. 4083 EXP. 06/30/22 STRUCTURAL STATE OF CALIFORNIA

FACILITY:

CHAFFEY COLLEGE - CHINO CAMPUS
5897 COLLEGE PARK AVE.
CHINO, CA 91710

PROJECT:

CHINO INSTRUCTIONAL BUILDING

SHEET NAME:

ENLARGED STAIR SECTIONS AND DETAILS

DSA APPROVAL

FILE NO.: 36-C1 **A# : 04-119722**

DATE: **08.05.2021** CLIENT PROJ NO:

SHEET:

S9.12