NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL

525 N. THOMPSON AVENUE, NIPOMO, CA 93444

LUCIA MAR UNIFIED SCHOOL DISTRICT

DSA FILE NUMBER 40-H9
DSA APPLICATION NUMBER 03-125793
OPSC NUMBER 68759-136

GENERAL NOTES

PRE-BID SITE VISIT

CONTRACTOR SHALL VISIT THE PROJECT AREA IN ORDER TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE PROJECT. THE CONTRACTOR MAY CONTACT THE ARCHITECT DURING THE BIDDING PHASE REGARDING CLARIFICATIONS AND PROJECT REQUIREMENTS.

SAFETY

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

DAMAGE TO STRUCTURE OR SYSTEMS TO REMAIN

CONTRACTOR SHALL REIMBURSE THE OWNER FOR REPAIR AND REPLACEMENT, INCLUDING ARCHITECT'S FEES, FOR ANY DAMAGE CAUSED TO STRUCTURES, LANDSCAPE, SITE WORK, OR EXISTING SYSTEMS TO REMAIN, AS THE RESULT OF CONSTRUCTION OPERATIONS.

EXISTING CONDITIONS

ALL EXISTING CONDITIONS ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME, BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND BUILDING DATA AT THE JOB SITE. ANY DISCREPANCIES REQUIRING MODIFICATION TO THE CONSTRUCTION DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY. NO MODIFICATIONS SHALL BE MADE BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.

CONTRACTOR'S EQUIPMENT

COORDINATE WITH OWNER'S REPRESENTATIVE FOR APPROVED LOCATION OF JOB SITE ACCESS, PARKING, AND LOCATION OF CONTRACTOR'S EQUIPMENT AND MATERIAL STORAGE AREA. SEE SITE PLAN FOR ADDITIONAL NOTES.

UTILITY SHUT-DOWNS AND CONNECTIONS

ALL REQUIRED UTILITY SHUT DOWNS SHALL HAVE PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE. REQUEST SHALL BE SUBMITTED WITH ADEQUATE ADVANCE NOTICE PER PROJECT REQUIREMENTS.

ASBESTOS AND ASBESTOS PRODUCTS

THE OWNER/OPERATOR AND CONTRACTOR SHALL BE AWARE THAT BUILDINGS CONSTRUCTED PRIOR TO 1978 (OR THERE ABOUT) POSSIBILITY CONTAIN ASBESTOS IN SOME EXISTING CONSTRUCTION MATERIALS, AND WILL LIKELY BE ENCOUNTERED DURING ALTERATIONS OR REMODELING.

UNDER CALIFORNIA TITLE 8, THE OWNER AND CONTRACTOR BOTH HAVE RESPONSIBILITIES TO DETERMINE THE EXISTENCE OF ASBESTOS CONTAINING MATERIALS IN AREAS TO BE ALTERED OR REMODELED PRIOR TO COMMENCEMENT OF WORK AND TO TAKE APPROPRIATE MEASURES TO PROTECT PERSONNEL. CAL-OSHA HAS JURISDICTION OVER ASBESTOS RELATED WORK. ASBESTOS RELATED WORK SHALL BE DONE IN ACCORDANCE WITH CALIFORNIA GENERAL INDUSTRIAL SAFETY ORDERS, TITLE 8, SECTION 341.6 THROUGH 341.14. ASBESTOS IN THE WORK ENVIRONMENT IS REGULATED BY TITLE 8, SECTION 5208.

THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AND DISTRICT REGULATION 11-2-401.3 REQUIRES EVERY RENOVATION INVOLVING THE REMOVAL OF 100 SQ.FT., LN.FT, OR GREATER OF REGULATED ASBESTOS CONTAINING MATERIAL, AND FOR EVERY DEMOLITION (EVEN WHEN NO ASBESTOS IS PRESENT), A NOTIFICATION MUST BE SENT TO THE BAAQMD AT LEAST 10 WORKING DAYS PRIOR TO COMMENCEMENT OF DEMOLITION / RENOVATION.

ALL BUILDING MATERIALS MUST BE ASBESTOS FREE.

THESE DOCUMENTS DO NOT ADDRESS CONTAINMENT FOR EXISTING AREAS OF ASBESTOS WHICH MAY BE DISCOVERED DURING CONSTRUCTION. THE OWNER'S ABATEMENT SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR THE DETECTION, REMOVAL, AND THE DISPOSAL OF ANY EXISTING ASBESTOS MATERIAL. ARCHITECTURAL AND ENGINEERING FEES FOR ADDITIONAL DESIGN EFFORT TO OBTAIN STATE APPROVALS, AS WELL AS THE COST OF ANY REPAIRS, FOR DAMAGE CAUSED OR REPLACEMENT OF EXISTING SYSTEMS TO REMAIN, DUE TO WORK PERFORMED BY THE ASBESTOS ABATEMENT SUBCONTRACTOR, SHALL BE THE RESPONSIBILITY OF SAID SUBCONTRACTOR.

CONSTRUCTION SCHEDULING

CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH OWNER'S REPRESENTATIVE PRIOR TO SCHEDULING AND START OF THE WORK. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL EXISTING SPACES AND SYSTEMS WHICH ARE IN USE, ADJOINING THE PROJECT, AND NOT PART OF THE PROJECT.

INTERIOR FINISHES

INTERIOR FINISHES AND ALL WALL COVERING MATERIAL SHALL CONFORM TO CCR TITLE 24, PART 2, CHAPTER 8.

DRILLED-IN EXPANSION ANCHORS

WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

TITLE 24 COMPLIANCE

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 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).

ADMINISTRATIVE REQUIREMENTS FROM PART 1, TITLE 24, C.C.R.

- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT, AND APPROVED BY DSA, AS PER SECTION 4-338.
- A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK, PER SECTION 4-342. A MINIMUM CLASS 2 INSPECTOR IS REQUIRED. SEE IR A-7 TO SELECT MINIMUM FOR PROJECT SCOPE.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL REQUIRED TEST AND INSPECTIONS FOR THE PROJECT.
- SPECIAL INSPECTION PER SECTION 4-333 (C)
- CONTRACTOR SHALL SUBMIT VERIFIED REPORT OR SECTION 4-336 & 4-343 (C)
- ADMINISTRATION OR CONSTRUCTION PER PART 1, TITLE 24, C.C.R.
- DUTIES OF ARCHITECT, STRUCTURAL ENGINEER, OR PROFESSIONAL ENGINEER PER SECTION 4-333 (A) AND 4-341
- DUTIES OF CONTRACTOR PER SECTION 4-343
- VERIFIED REPORTS PER SECTION 4-343 AND 4-336
- A COPY OF PARTS 1 - 5 AND ALL APPLICABLE PARTS REFERRED TO BY THE PLANS AND SPECIFICATIONS OF TITLE 24 SHALL BE KEPT AND AVAILABLE IN THE FIELD DURING CONSTRUCTION
- DSA SHALL BE NOTIFIED AT START OF CONSTRUCTION AND PRIOR TO PLACEMENT OF CONCRETE PER SECTION 4-331
- SUPERVISION BY DSA PER SECTION 4-334
- DSA IS NOT SUBJECT TO ARBITRATION

ADMINISTRATIVE REQUIREMENTS

- ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA
- NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEM UNLESS SUCH CHANGES TO REVISIONS ARE SUBMITTED TO DSA FOR APPROVAL.
- SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24, CCR.
- CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
  - -- ARCHITECT OR ENGINEER OF RECORD
  - -- STRUCTURAL ENGINEER (WHEN APPLICABLE)
  - -- DELEGATED PROFESSIONAL ENGINEER
  - -- DSA
- MATERIALS AND THEIR INSTALLATIONS SHALL COMPLY WITH APPLICABLE CODES.
- PER CBC 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.

GENERAL NOTES, cont.

CALIFORNIA ENERGY CODE

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TEST MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT.

A LISTING OF CERTIFIED ATT's CAN BE FOUND AT https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

DSA APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED AS THE CERTIFICATION OF COMPLIANCE FOR THE PROJECT BUILDINGS AS REQUIRED BY THE FIELD ACT, EDUCATION CODE SECTIONS 17280-17316 AND SECTIONS 81130-81147

COMPLIANCE WITH LOCAL ORDINANCES

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

ABBREVIATIONS

(REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL ABBREVIATIONS)

A.F.F.	ABOVE FINISHED FLOOR
A.P.	ACCESS PANEL
ACT	ACOUSTIC TILE
ADJ.	ADJUSTABLE
ALUM.	ALUMINUM
A.B.	ANCHOR BOLT
APPROX.	APPROXIMATELY
ARCH.	ARCHITECT
AC.	ASPHALTIC CONCRETE
@	AT
B.M.	BENCH MARK
BLKG.	BLOCKING
BD.	BOARD
B.W.	BOTH WAYS
B.O.S.	BOTTOM OF STRUCTURE
BOT.	BOTTOM
BLDG.	BUILDING
B.U.R.	BUILT-UP ROOFING
C.B.	CATCH BASIN
CLG.	CEILING
CEM.	CEMENT
C.C or O.C.	CENTER TO CENTER OR CENTERLINE
CER. TILE	CERAMIC TILE
C.O.	CLEANOUT
C.O.T.G.	CLEANOUT TO GRADE
CLR.	CLEAR
C.A.H.R.	CLEAR ALL HEART REDWOOD
C.W.	COLD WATER
COL.	COLUMN
COM.	COMMON
CONC.	CONCRETE
CONST.	CONSTRUCTION
C.H.	CONSTRUCTION HEART
C.J.	CONSTRUCTION JOINT
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CTR.	COUNTER
CTSK.	COUNTER SUNK
DET.	DETAIL
DIA. or Ø	DIAMETER
DIM.	DIMENSION
D.A.	DISABLED ACCESS
DR.	DOOR
D.S.	DOWNSPOUT
DWG.	DRAWING
D.F.	DRINKING FOUNTAIN and/or DOUGLAS FIR
EA.	EACH
E.W.	EACH WAY
ELEC.	ELECTRIC or ELECTRICAL
EL. or ELEV.	ELEVATION
ENCL.	ENCLOSE and/or ENCLOSURE
EQ.	EQUAL
EQUIP.	EQUIPMENT
(E)	EXISTING
EX.	EXPANSION
E.J.	EXPANSION JOINT
EXP.	EXPOSED
EXT.	EXTERIOR
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.F.	FACE OF FINISH
FIN.	FINISH
F.F.	FINISHED FLOOR
F.S.	FINISH SLAB
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.	FIRE HYDRANT
F.H.M.S.	FLAT HEAD METAL SCREW
F.H.W.S.	FLAT HEAD WOOD SCREW
FL. or FLR.	FLOOR
F.D.	FLOOR DRAIN
FTG.	FOOTING
FND.	FOUNDATION
GALV.	GALVANIZED
G.I.	GALVANIZED IRON
GA.	GAUGE
GL.	GLASS
GLU-LAM	GLUE-LAMINATED
GRD.	GRADE
GYP. BD.	GYPSUM BOARD
HDW.	HARDWARE
HT.	HEIGHT
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HOSE BIBB
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JT	JOINT
J.H.	JOIST HANGER
K.D.	KILN DRIED
LAM.	LAMINATE
LAV.	LAVATORY
M.B.	MACHINE BOLT
M.S.	MACHINE SCREW
M.H.	MANHOLE
MFG.	MANUFACTURER
M.B.	MARKER BOARD
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTD.	MOUNTED
(N)	NEW
NOM.	NOMINAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO. or #	NUMBER
OCC.	OCCUPANT(CY)
O.C.	ON CENTER
OPNG.	OPENING
OPP.	OPPOSITE
O.H.	OPPOSITE HAND
O.F.O.S.	OUTSIDE FACE OF STUD
O.H.W.S.	OVAL HEAD WOOD SCREW
O.D.	OVERFLOW DRAIN and/or OUTSIDE DIAMETER
O.F.C.I.	OWNER FURNISHED and CONTRACTOR INSTALLED
PR.	PAIR
PART.	PARTITION
PL	PLATE
d	PENNY (NAILS)
PLAS.	PLASTER
PLYWD.	PLYWOOD
P.V.C.	POLY VINYL CHLORIDE
P.T.	PRESSURE TREATED
P.L.	PROPERTY LINE
R. or RAD.	RADIUS
R.W.L.	RAIN WATER LEADER
RWD./R.W.	REDWOOD
REINF.	REINFORCING
REQ'D	REQUIRED
R.A.G.	RETURN AIR GRILLE
R.E.	RIM ELEVATION
R.D.	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
RND.	ROUND
R.H.M.S.	ROUND HEAD METAL SCREW
R.H.W.S.	ROUND HEAD WOOD SCREW
SSD.	SEE STRUCTURAL DRAWINGS
S.T.S.M.S.	SELF TAPPING SHEET METAL SCREW
SHEATH.	SHEATHING
S.M.	SHEET METAL
S.M.S.	SHEET METAL SCREW
S.O.V.	SHUT OFF VALVE
SIM.	SIMILAR
S.C.	SOLID CORE
SPEC.	SPECIFICATION
SQ.	SQUARE
S.F.	SQUARE FEET
STAG.	STAGGERED
STD.	STANDARD
S.S.	STAINLESS STEEL
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
S.A.G.	SUPPLY AIR GRILLE
THRES.	THRESHOLD
T&G	TONGUE & GROOVE
T.J.	TOOLED JOINT
T.O.B.	TOP OF BEAM
T.O.C.	TOP OF CURB or CONCRETE
T.O.S.	TOP OF STEEL or SHEATHING
T.O.W.	TOP OF WALK
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
U.O.S.	UNLESS OTHERWISE SHOWN
V.T.R.	VENT THROUGH ROOF
VERT.	VERTICAL
V.G.	VERTICAL GRAIN
V.I.F.	VERIFY IN FIELD
V.C.T.	VINYL COMPOSITION TILE
V.W.C.	VINYL WALL COVERING
V.O.I.P.	VOICE OVER INTERNET PROTOCOL
W.C.	WATER CLOSET
W.H.	WATER HEATER
WP.	WATERPROOF
W.R.	WATER RESISTANT
W.W.M.	WELDED WIRE MESH
W.D.	WINDOW DIMENSION
W/	WITH
W/O	WITHOUT
WD.	WOOD

SYMBOLS LEGEND

SECTION / EXTERIOR ELEVATION — 1 / A8.1 — SECTION IDENTIFICATION; SHEET WHERE SECTION IS DRAWN

DETAIL — 4 / A9.1 — DETAIL IDENTIFICATION; SHEET WHERE DETAIL IS DRAWN

INTERIOR ELEVATION — 1 / A7.1 — INDICATES ELEVATION SHOWN; SHEET WHERE ELEVATION IS DRAWN

ROOM IDENTIFICATION — CLASSROOM / 102 — ROOM NAME; ROOM NUMBER

SPECIFIC NOTE — 3

DOOR DESIGNATION — 102A

WINDOW DESIGNATION — A

ADDENDUM REVISION — 1 — CLOUD AROUND REVISION

CCD REVISION — 1 / CCD — CLOUD AROUND REVISION

FINISH NUMBER — 127 — SEE SPECS AND I.E. DWGS.

EQUIPMENT LETTER — A — SEE EQUIPMENT SCHEDULE

CEILING HEIGHT — +6'-0"

WALL TYPE — 1

MATCH LINE

ELEV. HEIGHT — +8'-0"

CENTER OF — FACE OF

BLDG. CODES & STANDARDS:

2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. (2021 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2, WITH 2022 CALIFORNIA AMENDMENTS.)	
2022	CALIFORNIA ELECTRIC CODE (CEC), PART 3, TITLE 24, C.C.R. (2020 NATIONAL ELECTRIC CODE WITH 2022 CALIFORNIA AMENDMENTS).	
2022	CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R. (2021 UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS).	
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R. (2021 UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS).	
2022	CALIFORNIA ENERGY CODE (CENC), PART 6, TITLE 24, C.C.R.	
2022	CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R. (2021 INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS).	
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R.	
2022	CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24, C.C.R.	
2019	ASME A17.1/CSA B44 SAFETY CODE FOR ELEVATORS AND ESCALATORS	

CCR TITLE-19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

NFPA 13	INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	INSTALLATION OF STANDPIPE & HOSE SYSTEMS (CA AMENDED)	2019 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEM	2021 EDITION
NFPA 20	STATIONARY FIRE PUMPS TO FIRE PROTECTION	2019 EDITION
NFPA 22	WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CA AMENDED).	2019 EDITION
NFPA 25	INSPECTION, TESTING AND MAINTENANCE OF WATER BASED FIRE PROTECTION SYSTEMS	2013 CALIFORNIA EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CA AMENDED)	2022 EDITION
NFPA 80	FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 92	STANDARD FOR SMOKE CONTROL SYSTEMS	2018 EDITION
NFPA 110	EMERGENCY AND STANDBY POWER SYSTEMS	2019 EDITION
NFPA 170	STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS	2018 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2019 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2018 EDITION
ICC 300	STANDARDS FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2017 EDITION

SFM 12-10-1	POWER OPERATED EXIT DOORS	
SFM 12-10-2	SINGLE POINT LATCHING OR LOCKING DEVICES	
SFM 12-10-3	EMERGENCY EXIT & PANIC HARDWARE	
UL 38	MANUAL OPERATING SIGNAL BOXES	1999/2005 EDITION
UL 268	SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2016 EDITION
UL 268A	SMOKE DETECTORS DUCT APPLICATIONS	1998/2003 EDITION
UL 300	FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 305	PANIC HARDWARE	2012 EDITION
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, AND ACCESSORIES	2003 EDITION
UL 521	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 864	CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (W/ REVISIONS THROUGH DEC. 2014)	2014 EDITION
UL 1971	SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 EDITION

ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH THE CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, CBC CHAPTER 33 SAFETY DURING CONSTRUCTION, AND THE WRITTEN SITE FIRE SAFETY PLAN. COMPLIANCE WILL BE ENFORCED.

APPLICABLE STANDARDS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

PROJECT SUMMARY

CONSTRUCTION OF THREE 5,853 S.F. NEW CLASSROOM BUILDINGS.
ASSOCIATED SITE WORK INCLUDING PAVING, NEW RAMP AND STAIRS, AND ASSOCIATED UTILITY CONNECTIONS.
REMOVAL OF EXISTING PORTABLE CLASSROOM BUILDINGS.

THERE ARE NO DEFERRED SUBMITTALS FOR THIS PROJECT.

DESIGN TEAM

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A9.6 FIXTURES AND EQUIPMENT DETAILS

STRUCTURAL
S0.1 STRUCTURAL TITLE SHEET
S0.2 STRUCTURAL SPECIFICATIONS
S0.3 STRUCTURAL SPECIFICATIONS
S1.1 TYP. STRUCTURAL DETAILS
S1.2 TYP. STRUCTURAL DETAILS
S1.3 TYP. STRUCTURAL DETAILS
S2.1 FOUNDATION PLAN
S2.2 CURB PLAN
S2.3 ROOF FRAMING PLAN
S2.3B CEILING FRAMING PLAN
S2.4 STRUCTURAL ELEVATIONS
S2.5 STRUCTURAL ELEVATIONS
S2.6 STRUCTURAL ELEVATIONS
S2.7 STRUCTURAL ELEVATIONS
S2.8 STRUCTURAL ELEVATIONS
S2.9 STRUCTURAL ELEVATIONS
S2.10 STRUCTURAL ELEVATIONS
S2.11 STRUCTURAL ELEVATIONS
S3.1 STRUCTURAL DETAILS
S3.2 STRUCTURAL DETAILS

MECHANICAL & PLUMBING
MP0.1 SYMBOL LEGENDS, ABBREVIATIONS, NOTES - MECHANICAL & PLUMBING
MP0.2 SCHEDULES - MECHANICAL & PLUMBING
MP2.1 BUILDINGS 120, 121, & 122 - NEW FLOOR PLANS - MECHANICAL EQUIPMENT AND DUCTWORK
MP2.2 BUILDINGS 120, 121, & 122 - NEW FLOOR PLANS - MECHANICAL PIPING AND PLUMBING
MP4.1 NEW PARTIAL FLOOR PLANS - PLUMBING
MP4.2 SECTION VIEWS - MECHANICAL
MP5.1 CONTROLS - MECHANICAL
MP5.2 CONTROLS - MECHANICAL
MP6.1 DETAILS - MECHANICAL & PLUMBING
MP6.2 DETAILS - MECHANICAL & PLUMBING

ELECTRICAL
E0.1 ELECTRICAL GENERAL NOTES, LEGEND, AND ABBREVIATIONS
E0.2 SINGLE LINE DIAGRAM
E0.3 ELECTRICAL SCHEDULES
E0.4 ELECTRICAL SCHEDULES
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E0.6 ELECTRICAL DETAILS
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E0.8 ELECTRICAL DETAILS
E0.9 ELECTRICAL DETAILS
E0.10 TITLE 24 COMPLIANCE DOCUMENTATION - BUILDING 120
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E0.12 TITLE 24 COMPLIANCE DOCUMENTATION - BUILDING 122
E1.0 ELECTRICAL SITE PLAN
E1.1 ELECTRICAL SITE PLAN
E2.1 POWER AND COMMUNICATION FLOOR PLAN - BUILDING 122
E2.2 POWER AND COMMUNICATION FLOOR PLAN - BUILDING 121
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E3.1 LIGHTING AND CONTROL FLOOR PLAN - BUILDING 122
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E5.1 FIRE ALARM FLOOR PLAN - BUILDING 122
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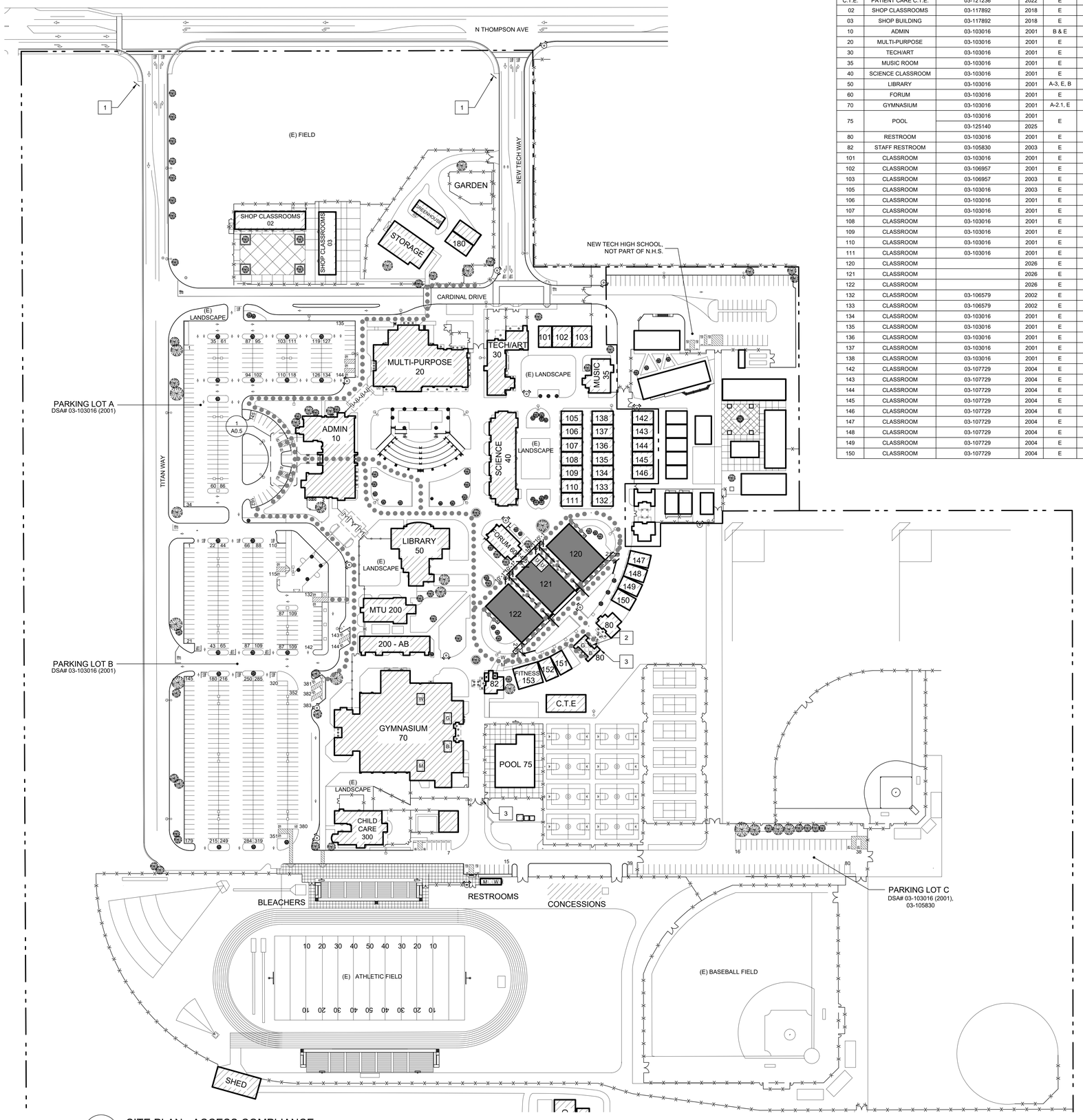
E5.3 FIRE ALARM FLOOR PLAN - BUILDING 120
E5.4 FIRE ALARM RISER
E5.5 FIRE ALARM DETAILS
E5.6 FIRE ALARM CALCULATIONS
T0.0 GENERAL COMMUNICATION NOTES, BASIS OF DESIGN
T0.1 COMMUNICATI



1 SITE PLAN - ACCESS COMPLIANCE

1" = 80'-0"

0 20' 40' 80' 160' 240'

TRUE NORTH / REF NORTH

BUILDING KEY						
BLDG #	BUILDING NAME	DSA #	YEAR BUILT	OCC. TYPE	CONST. TYPE	CERTIFICATION LETTER
C.T.E.	PATIENT CARE C.T.E.	03-121236	2022	E	V-B	#1 - Cert. & Closed
02	SHOP CLASSROOMS	03-117892	2018	E	V-B	#1 - Cert. & Closed
03	SHOP BUILDING	03-117892	2018	E	V-B	#1 - Cert. & Closed
10	ADMIN	03-103016	2001	B & E	V-A	#1 - Cert. & Closed
20	MULTI-PURPOSE	03-103016	2001	E	V-B	#1 - Cert. & Closed
30	TECH/ART	03-103016	2001	E	V-A	#1 - Cert. & Closed
35	MUSIC ROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
40	SCIENCE CLASSROOM	03-103016	2001	E	V-A	#1 - Cert. & Closed
50	LIBRARY	03-103016	2001	A-3, E, B	V-B	#1 - Cert. & Closed
60	FORUM	03-103016	2001	E	V-B	#1 - Cert. & Closed
70	GYMNASIUM	03-103016	2001	A-2.1, E	III-A	#1 - Cert. & Closed
75	POOL	03-103016	2001	E	V-B	#1 - Cert. & Closed
		03-125140	2025			Under Construction
80	RESTROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
82	STAFF RESTROOM	03-105830	2003	E	V-B	#1 - Cert. & Closed
101	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
102	CLASSROOM	03-106957	2001	E	V-B	#1 - Cert. & Closed
103	CLASSROOM	03-106957	2003	E	V-B	#1 - Cert. & Closed
105	CLASSROOM	03-103016	2003	E	V-B	#1 - Cert. & Closed
106	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
107	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
108	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
109	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
110	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
111	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
120	CLASSROOM		2026	E	V-B	-
121	CLASSROOM		2026	E	V-B	-
122	CLASSROOM		2026	E	V-B	-
132	CLASSROOM	03-106579	2002	E	V-B	#1 - Cert. & Closed
133	CLASSROOM	03-106579	2002	E	V-B	#1 - Cert. & Closed
134	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
135	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
136	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
137	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
138	CLASSROOM	03-103016	2001	E	V-B	#1 - Cert. & Closed
142	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
143	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
144	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
145	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
146	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
147	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
148	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
149	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
150	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
151	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
152	CLASSROOM	03-107729	2004	E	V-B	#1 - Cert. & Closed
153	FITNESS	03-108275	2001	E	V-B	#1 - Cert. & Closed
180	STORAGE	03-106957	2003	E	V-B	#1 - Cert. & Closed
200	MTU BUILDING	03-103016	2001	E	V-B	#1 - Cert. & Closed
300	CHILD CARE	03-105830	2003	E	V-B	#1 - Cert. & Closed
-	BLEACHERS	03-107158	2004	E	V-B	#1 - Cert. & Closed
-	CONCESSION STAND	NON DSA	2007	E	V-B	N/A
-	GREENHOUSE	NON DSA	2003	E	V-B	N/A
-	STORAGE	NON DSA	2003	E	V-B	N/A

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE PATH OF TRAVEL IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENT FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T . THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

GENERAL NOTES

A. **THIS SHEET IS FOR ACCESS COMPLIANCE CODE RELATED ITEMS. FOR SCOPE OF WORK SEE SHEET A0.2**
B. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF OTHER RELATED WORK.
C. ACCESSIBLE PATH OF TRAVEL (P.O.T.), AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING A 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND AT LEAST 48" WIDE. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. PASSING SPACES (11B-403.5.3) AT LEAST 60"X60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (11B-403.7) NOT MORE THAN 400' APART. THE CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL AND IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2).
D. GATES IN THE PATH OF TRAVEL SHALL MEET DOOR REQUIREMENTS PER CBC SECTION 11B-404. ALL GATES TO HAVE ACCESSIBLE HARDWARE AND 10" MIN. SMOOTH BOTTOM OR KICK PLATES. PANIC HARDWARE AND EXIT SIGN MAY BE REQUIRED. COORDINATE WITH FIRE AND LIFE SAFETY.
E. CONTRACTOR TO VERIFY ALL BARRIERS IN P.O.T. HAVE BEEN REMOVED.
F. ALL EXTERIOR ENTRANCES AND EXITS IDENTIFIED WITH A TRIANGULAR SYMBOL ON THIS PLAN ARE ACCESSIBLE AND COMPLY WITH CBC 11B-401 AND INCLUDE A 32" CLEAR OPENING, THE REQUIRED STRIKE EDGE CLEARANCE AT PULL SIDE OF DOOR, LEVEL LANDINGS WITH A 2% MAX. SLOPE, AND AN ACCESSIBLE THRESHOLD, HARDWARE, CLOSER AND KICK PLATE.

SITE PLAN - ACCESS COMPLIANCE NOTES

1. EXISTING ENTRY WARNING SIGN, SEE DETAIL 4/A0.5
2. EXISTING ACCESSIBLE DRINKING FOUNTAIN, PER DSA APPL. NO. 03-103016. SEE DETAIL 13/A0.5
3. EXISTING STUDENT RESTROOMS, SEE ENLARGED PLAN 1/A5.1

PARKING COUNT PER DSA # 03-103016

PER 2022 CBC,TABLE 11B-208.2

PARKING LOT A

TOTAL PARKING SPACES (INCLUDING ALL ACCESSIBLE PARKING SPACES) = 162
MINIMUM ACCESSIBLE PARKING SPACES REQUIRED = 6
TOTAL STANDARD ACCESSIBLE SPACES + TOTAL VAN ACCESSIBLE SPACES* PROVIDED = 3 + 4 = 7
THEREFORE, OKAY.

PARKING LOT B

TOTAL PARKING SPACES (INCLUDING ALL ACCESSIBLE PARKING SPACES) = 383
MINIMUM ACCESSIBLE PARKING SPACES REQUIRED = 8
TOTAL STANDARD ACCESSIBLE SPACES + TOTAL VAN ACCESSIBLE SPACES* PROVIDED = 6 + 6 = 12
THEREFORE, OKAY.

PARKING LOT C

TOTAL PARKING SPACES (INCLUDING ALL ACCESSIBLE PARKING SPACES) = 80
MINIMUM ACCESSIBLE PARKING SPACES REQUIRED = 4
TOTAL STANDARD ACCESSIBLE SPACES + TOTAL VAN ACCESSIBLE SPACES* PROVIDED = 2 + 4 = 6
THEREFORE, OKAY.

GRAPHIC KEY

- EXISTING PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL
- ROOF OVERHANG
- CHAIN LINK FENCE
- DECORATIVE FENCE
- NEW BUILDING
- EXISTING BUILDING
- EXISTING RESTROOMS
- ACCESSIBLE ENTRANCE, SEE GENERAL NOTE 'F'
- (E) DRY STAND PIPE
- DRINKING FOUNTAIN
- (E) FIRE HYDRANT
- G (E) ACCESSIBLE GIRLS TOILET ROOM, PER DSA #03-103016. SEE SHEET A5.1
- B (E) ACCESSIBLE BOYS TOILET ROOM, PER DSA #03-103016. SEE SHEET A5.1
- U (N) UNISEX STAFF TOILET ROOM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE, SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

SITE PLAN
ACCESS COMPLIANCE

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

T2

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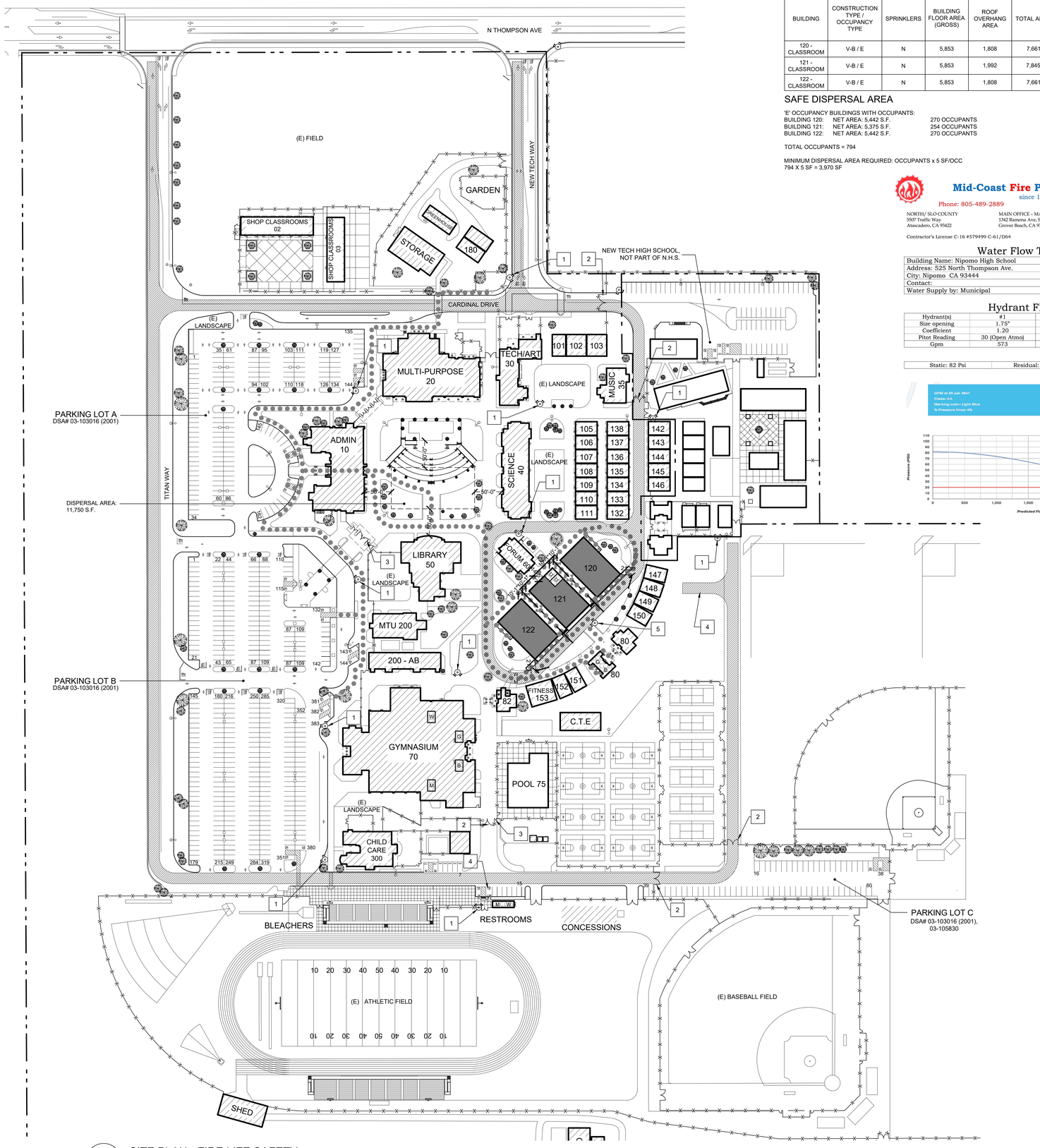


1 SITE PLAN - FIRE LIFE SAFETY

1" = 80'-0"

NEW BUILDING CODE ANALYSIS

BUILDING	CONSTRUCTION TYPE / OCCUPANCY TYPE	SPRINKLERS	BUILDING FLOOR AREA (GROSS)	ROOF OVERHANG AREA	TOTAL AREA	ALLOWABLE AREA (PER TABLE 506.2)	HEIGHT	ALLOWABLE HEIGHT (PER TABLE 504.3)	# OF STORIES
120 - CLASSROOM	V-B / E	N	5,853	1,808	7,661	9,500	19'-7"	40'-0"	1
121 - CLASSROOM	V-B / E	N	5,853	1,992	7,845	9,500	19'-7"	40'-0"	1
122 - CLASSROOM	V-B / E	N	5,853	1,808	7,661	9,500	19'-7"	40'-0"	1

SAFE DISPERSAL AREA

'E' OCCUPANCY BUILDINGS WITH OCCUPANTS:
BUILDING 120: NET AREA: 5,442 S.F. 270 OCCUPANTS
BUILDING 121: NET AREA: 5,375 S.F. 254 OCCUPANTS
BUILDING 122: NET AREA: 5,442 S.F. 270 OCCUPANTS

TOTAL OCCUPANTS = 794

MINIMUM DISPERSAL AREA REQUIRED: OCCUPANTS x 5 SF/OCC
794 X 5 SF = 3,970 SF

Mid-Coast Fire Protection, Inc.
since 1981
Phone: 805-489-2889 www.Midcoastfire.com

NORTH/ SLO COUNTY
5507 Traffic Way
Atascadero, CA 93422

MAIN OFFICE – MAILING
1342 Ramona Ave, Ste A&B
Grover Beach, CA 93433

SANTA BARBARA COUNTY
84 Industrial Way, # D
Buellton, CA 93427

Contractor's License C-16 #579499 C-61/D64 CA State Fire Marshal License E-1651, E-2473

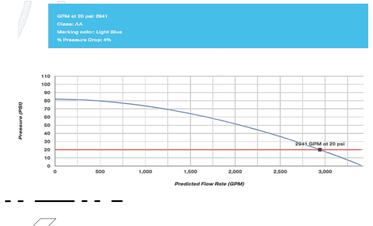
Water Flow Test Report

Building Name: Nipomo High School	Test date: 10/17/25
Address: 525 North Thompson Ave.	Tested by: James Akridge
City: Nipomo CA 93444	Day of Week: Friday
Contact:	Time of Day: 7:00 am
Water Supply by: Municipal	Flow Duration: 5 minutes

Hydrant Flow Data

Hydrant(s)	#1	#2	#3
Size opening	1.75"		
Coefficient	1.20		
Pitot Reading	30 (Open Atmo)		
Gpm	573		

Static: 82 Psi	Residual: 79 Psi	Flow Gpm: 573



PROJECT SUMMARY

CONSTRUCTION OF THREE 5,853 GROSS S.F. NEW CLASSROOM BUILDINGS.
ASSOCIATED SITE WORK INCLUDING PAVING, NEW RAMP AND STAIRS, AND ASSOCIATED UTILITY CONNECTIONS.
REMOVAL OF EXISTING PORTABLE CLASSROOM BUILDINGS.

GENERAL NOTES

A. THIS SHEET IS FOR FIRE LIFE SAFETY CODE RELATED ITEMS. FOR SCOPE OF WORK SEE SHEET A0.2
B. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM DRAWINGS FOR EXTENT OF OTHER RELATED WORK.

SITE PLAN - FIRE LIFE SAFETY NOTES

1. EXISTING FIRE HYDRANT.
2. EXISTING VEHICLE GATE WITH KEY BOX MOUNTED ON GATE POST PER CFC 506. PER DSA# 03-125140 .
3. EXISTING ACCESSIBLE GATE WITH PANIC HARDWARE.
4. FIRE APPARATUS ACCESS ROAD TURN AROUND PER 2022 CFC SECTION D103, FIGURE D103.1.
5. EXISTING FIRE HYDRANT (TESTED): 2941 GPM @20 PSI PER REPORT.

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:	LUCIA MAR UNIFIED SCHOOL DISTRICT
Project Name/School:	NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL
Project Address:	525 N. THOMPSON AVENUE, NIPOMO, CALIFORNIA 93444

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 ☐

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: _____

GRAPHIC KEY

- EXISTING PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL
- ROOF OVERHANG
- CHAIN LINK FENCE
- DECORATIVE FENCE
- NEW BUILDING
- EXISTING BUILDING
- EXISTING RESTROOMS
- FIRE DEPARTMENT ACCESS. DSA# 03-125140 FIRE DEPARTMENT ACCESS IS 20'-0" WIDE AND RATED FOR 96,000 LBS.
- (E) DRY STAND PIPE
- (E) FIRE HYDRANT
- DRINKING FOUNTAIN
- (E) SOFFIT/OVERHANG LIGHT FIXTURE
- (E) POLE LIGHT FIXTURE
- (E) WALL LIGHT FIXTURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE, SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

SITE PLAN
FIRE LIFE SAFETY

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

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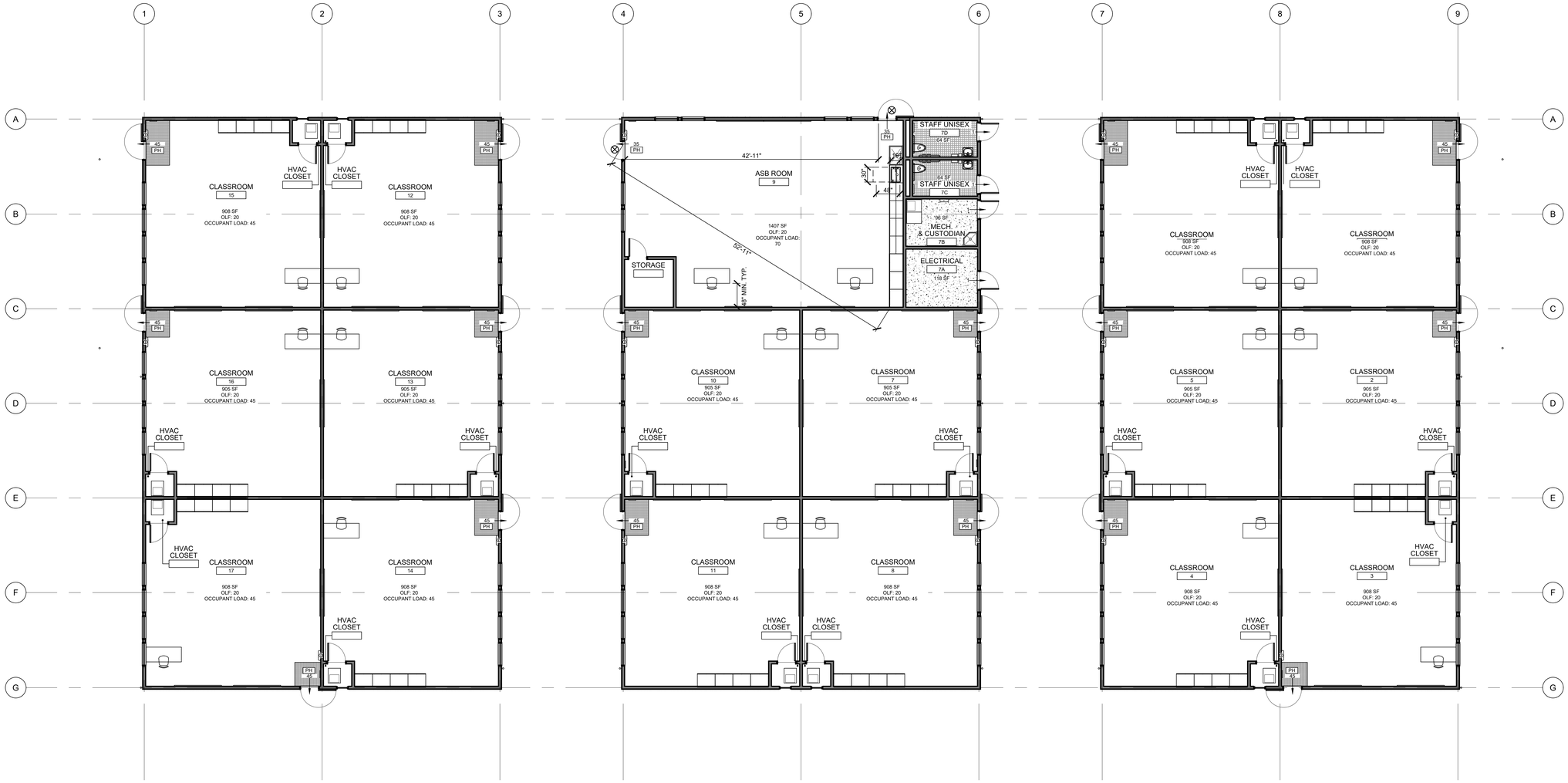

1 BUILDING EXIT / EGRESS CODE ANALYSIS

1/8" = 1'-0"

0 2' 4' 8' 16' 24' NORTH

GENERAL NOTES

GRAPHIC KEY

- ⊗ DOOR WITH ILLUMINATED EXIT SIGN
- PH DOOR WITH PANIC HARDWARE
- # → INDICATES OCCUPANT LOAD THROUGH DOOR
- FIRE EXTINGUISHER CABINET
- DECORATIVE FENCE

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APP: 03-125793 INC:
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2155 SOUTH BASCOM AVE,
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

BUILDING EXIT / EGRESS CODE ANALYSIS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: DATE:
25042 DSA BACKCHECK - 04/24/26

T4

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DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. NEWLY CONSTRUCTED PROJECTS AND ADDITIONS WHICH DISTURB LESS THAN ACRE OF LAND, AND ARE NOT PART OFA LARGER COMMON PLAN OF DEVELOPMENT OR SALE, SHALL PREVENT THE POLLUTION OF STORM WATER RUNOFF FROM THE CONSTRUCTION ACTIVITIES THROUGH ONE OR MORE OF THE FOLLOWING MEASURES:

5.106.1.1 LOCAL ORDINANCE. COMPLY WITH A LAWFULLY ENACTED STORM WATER MANAGEMENT AND/OR EROSION CONTROL ORDINANCE.

5.106.1.2 BEST MANAGEMENT PRACTICES (BMP'S). PREVENT THE LOSS OF SOIL THROUGH WIND OR WATER EROSION BY IMPLEMENTING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROL AND GOOD HOUSEKEEPING BMP'S.

1. SOIL LOSS BMP'S THAT SHOULD BE CONSIDERED FOR IMPLEMENTATION AS APPROPRIATE FOR EACH PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
   - 1.1. SCHEDULING CONSTRUCTION ACTIVITY DURING DRY WEATHER, WHEN POSSIBLE.
   - 1.2. PRESERVATION OF NATURAL FEATURES, VEGETATION, SOIL, AND BUFFERS AROUND SURFACE WATERS.
   - 1.3. DRAINAGE SWALES OR LINED DITCHES TO CONTROL STORM WATER FLOW.
   - 1.4. MULCHING OR HYDROSEEDING TO STABILIZE DISTURBED SOILS.
   - 1.5. EROSION CONTROL TO PROTECT SLOPES.
   - 1.6. PROTECTION OF STORM DRAIN INLETS (GRAVEL BAGS OR CATCH BASIN INSERTS).
   - 1.7. PERIMETER SEDIMENT CONTROL (PERIMETER SILT FENCE, FIBER ROLLS).
   - 1.8. SEDIMENT TRAP OR SEDIMENT BASIN TO RETAIN SEDIMENT ON SITE.
   - 1.9. STABILIZED CONSTRUCTION EXITS.
   - 1.10. WIND EROSION CONTROL.
   - 1.11. OTHER SOIL LOSS BMP'S ACCEPTABLE TO THE ENFORCING AGENCY.
2. GOOD HOUSEKEEPING BMP'S TO MANAGE CONSTRUCTION EQUIPMENT, MATERIALS, NON-STORM WATER DISCHARGES AND WASTES THAT SHOULD BE CONSIDERED FOR IMPLEMENTATION AS APPROPRIATE FOR EACH PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
   - 2.1. DEWATERING ACTIVITIES.
   - 2.2. MATERIAL HANDLING AND WASTE MANAGEMENT.
   - 2.3. BUILDING MATERIALS STOCKPILE MANAGEMENT.
   - 2.4. MANAGEMENT OF WASHOUT AREAS (CONCRETE, PAINTS, STUCCO, ETC.).
   - 2.5. CONTROL OF VEHICLE/EQUIPMENT FUELING TO CONTRACTOR'S STAGING AREA.
   - 2.6. VEHICLE AND EQUIPMENT CLEANING PERFORMED OFF SITE.
   - 2.7. SPILL PREVENTION AND CONTROL.
   - 2.8. OTHER HOUSEKEEPING BMP'S ACCEPTABLE TO THE ENFORCING AGENCY.

5.106.2 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. COMPLY WITH ALL LAWFULLY ENACTED STORMWATER DISCHARGE REGULATIONS FOR PROJECTS THAT (1) DISTURB ONE ACRE OR MORE OF LAND, OR (2) DISTURB LESS THAN ONE ACRE OF LAND BUT ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT SALE.

NOTE: PROJECTS THAT (1) DISTURB ONE ACRE OR MORE OF LAND, OR (2) DISTURB LESS THAN ONE ACRE OF LAND BUT ARE PART OF THE LARGER COMMON PLAN OF DEVELOPMENT OR SALE MUST COMPLY WITH THE POST-CONSTRUCTION REQUIREMENTS DETAILED IN THE APPLICABLE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES ISSUED BY THE STATE WATER RESOURCES CONTROL BOARD OR THE LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD (FOR PROJECTS IN THE LAKE TAHOE HYDROLOGIC UNIT).

THE NPDES PERMITS REQUIRE POST-CONSTRUCTION RUNOFF (POST-PROJECT HYDROLOGY) TO MATCH THE PRE-CONSTRUCTION RUNOFF (PRE-PROJECT HYDROLOGY) WITH THE INSTALLATION OF POST-CONSTRUCTION STORM WATER MANAGEMENT MEASURES. THE NPDES PERMITS EMPHASIZE RUNOFF REDUCTION THROUGH ON-SITE STORM WATER USE, INTERCEPTION, EVAPOTRANSPIRATION, AND INFILTRATION THROUGH NONSTRUCTURAL CONTROLS, SUCH AS LOW IMPACT DEVELOPMENT (LID) PRACTICES, AND CONVERSATION DESIGN MEASURES. STORM WATER VOLUME THAT CANNOT BE ADDRESSED USING NONSTRUCTURAL PRACTICES IS REQUIRED TO BE CAPTURED IN STRUCTURAL
PRACTICES AND BE APPROVED BY THE ENFORCING AGENCY.

REFER TO THE CURRENT APPLICABLE PERMITS ON THE STATE WATER RESOURCES CONTROL BOARD WEBSITE AT:
WWW.WATERBOARDS.CA.GOV/CONSTRUCTIONSTORMWATER. CONSIDERATION TO THE STORM WATER RUNOFF MANAGEMENT MEASURES SHOULD BE GIVEN DURING THE INITIAL DESIGN PROCESS FOR APPROPRIATE INTEGRATION INTO SITE DEVELOPMENT.

5.106.4 BICYCLE PARKING. FOR BUILDINGS WITHIN THE AUTHORITY OF CALIFORNIA BUILDING STANDARDS COMMISSION AS SPECIFIED IN SECTION 103, COMPLY WITH SECTION 5.106.4.1. FOR BUILDINGS WITHIN THE AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT PURSUANT TO SECTION 105, COMPLY WITH SECTION 5.106.4.2.

5.106.4.1 BICYCLE PARKING [BSC-CG]. COMPLY WITH SECTIONS 5.106.4.1.1 AND 5.106.4.1.2; OR MEET THE APPLICABLE LOCAL ORDINANCE, WHICHEVER IS STRICTER.

5.106.4.1.1 SHORT-TERM BICYCLE PARKING. IF THE NEW PROJECT OR AN ADDITION OR ALTERATION IS ANTICIPATED TO GENERATE VISITOR TRAFFIC, PROVIDE PERMANENTLY ANCHORED BICYCLE RACKS WITHIN 200 FEET OF THE VISITORS' ENTRANCE, READILY VISIBLE TO PASSERS-BY, FOR 5 PERCENT OF NEW VISITOR MOTORIZED VEHICLE PARKING SPACES BEING ADDED, WITH A MINIMUM OF ONE TWO-BIKE CAPACITY RACK.
EXCEPTION: ADDITIONS OR ALTERATIONS WHICH ADD NINE OR LESS VISITOR VEHICULAR PARKING SPACES.

5.106.4.1.2 LONG-TERM BICYCLE PARKING. FOR NEW BUILDINGS WITH TENANT SPACES THAT HAVE 10 OR MORE TENANT-OCCUPANTS, PROVIDE SECURE BICYCLE PARKING FOR 5 PERCENT OF THE TENANT-OCCUPANT VEHICULAR PARKING SPACES WITH A MINIMUM OF ONE BICYCLE PARKING FACILITY.

5.106.4.1.3 FOR ADDITIONS OR ALTERATIONS THAT ADD 10 OR MORE TENANT-OCCUPANT VEHICULAR PARKING SPACES, PROVIDE SECURE BICYCLE PARKING FOR 5 PERCENT OF THE TENANT VEHICULAR PARKING SPACES BEING ADDED, WITH A MINIMUM OF ONE BICYCLE PARKING FACILITY.

5.106.4.1.4 FOR NEW SHELL BUILDINGS IN PHASED PROJECTS PROVIDE SECURE BICYCLE PARKING FOR 5 PERCENT OF THE ANTICIPATED TENANT-OCCUPANT VEHICULAR PARKING SPACES WITH A MINIMUM OF ONE BICYCLE PARKING FACILITY.

5.106.4.1.5 ACCEPTABLE BICYCLE PARKING FACILITY FOR SECTIONS 5.106.4.1.2, 5.106.4.1.3, AND 5.106.4.1.4 SHALL BE CONVENIENT FROM THE STREET AND SHALL MEET ONE OF THE FOLLOWING:

1. COVERED, LOCKABLE ENCLOSURES WITH PERMANENTLY ANCHORED RACKS FOR BICYCLES;
2. LOCKABLE BICYCLE ROOMS WITH PERMANENTLY ANCHORED RACKS; OR
3. LOCKABLE, PERMANENTLY ANCHORED BICYCLE LOCKERS.

NOTE: ADDITIONAL INFORMATION ON RECOMMENDED BICYCLE ACCOMMODATIONS MAY BE OBTAINED FROM SACRAMENTO AREA BICYCLE ADVOCATES.

5.106.8 LIGHT POLLUTION REDUCTION [N]. OUTDOOR LIGHTING SYSTEMS SHALL BE DESIGNED AND INSTALLED TO COMPLY WITH THE FOLLOWING:

1. THE MINIMUM REQUIREMENTS IN THE CALIFORNIA ENERGY CODE FOR LIGHTING ZONES 0-4 AS DEFINED IN CHAPTER 10, SECTION 10-114 OF THE CALIFORNIA ADMINISTRATIVE CODE; AND
2. BACKLIGHT (B) RATINGS AS DEFINED IN IES TM-15-11 (SHOWN IN TABLE A-1 IN CHAPTER 8);
3. UPLIGHT AND GLARE RATINGS AS DEFINED IN CALIFORNIA ENERGY CODE (SHOWN IN TABLES 130.2-A AND 130.2-B IN CHAPTER 8) AND
4. ALLOWABLE BUG RATINGS NOT EXCEEDING THOSE SHOWN IN TABLE 5.106.8, [N] OR COMPLY WITH A LOCAL ORDINANCE LAWFULLY ENACTED PURSUANT TO SECTION 101.7, WHICHEVER IS MORE STRINGENT.

EXCEPTIONS:

1. LUMINAIRES THAT QUALIFY AS EXCEPTIONS IN SECTIONS 130.2 (B) AND 140.7 OF THE CALIFORNIA ENERGY CODE.
2. EMERGENCY LIGHTING.
3. BUILDING FACADE MEETING THE REQUIREMENTS IN TABLE 140.7-B OF THE CALIFORNIA ENERGY CODE, PART 6.
4. CUSTOM LIGHTING FEATURES AS ALLOWED BY THE LOCAL ENFORCING AGENCY, AS PERMITTED BY SECTION 101.8 ALTERNATE MATERIALS, DESIGNS AND METHODS OF CONSTRUCTION.
5. LUMINAIRES WITH LESS THAN 6,200 INITIAL LUMINAIRE LUMENS.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS[1,2]

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING[3]					
LUMINAIRE GREATER THAN 2 MOUNTING HEIGHTS (MH) FROM PROPERTY LINE	N/A	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
LUMINAIRE BACK HEMISPHERE IS 1-2 MH FROM PROPERTY LINE	N/A	B2	B3	B4	B4
LUMINAIRE BACK HEMISPHERE IS 0.5-1 MH FROM PROPERTY LINE	N/A	B1	B2	B3	B3
LUMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY LINE	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
FOR AREA LIGHTING[3]	N/A	U0	U0	U0	U0
FOR ALL OTHER OUTDOOR LIGHTING, INCLUDING DECORATIVE LUMINAIRES	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING[5] (G)					
LUMINAIRE GREATER THAN 2 MH FROM PROPERTY LINE	N/A	G1	G2	G3	G4
LUMINAIRE FRONT HEMISPHERE IS 1-2 MH FROM PROPERTY LINE	N/A	G0	G1	G1	G2
LUMINAIRE FRONT HEMISPHERE IS 0.5-1 MH FROM PROPERTY LINE	N/A	G0	G0	G1	G1
LUMINAIRE FRONT HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY LINE	N/A	G0	G0	G0	G1

1. IESNA LIGHTING ZONES 0 AND 5 ARE NOT APPLICABLE; REFER TO LIGHTING ZONES AS DEFINED IN THE CALIFORNIA ENERGY CODE AND CHAPTER 10 OF THE CALIFORNIA ADMINISTRATIVE CODE.
2. FOR PROPERTY LINES THAT ABUT PUBLIC WALKWAYS, BIKEWAYS, PLAZAS AND PARKING LOTS, THE PROPERTY LINE MAY BE CONSIDERED TO BE 5 FEET BEYOND THE ACTUAL PROPERTY FOR PURPOSE OF DETERMINING COMPLIANCE WITH THIS SECTION. FOR PROPERTY LINES THAT ABUT PUBLIC ROADWAYS AND PUBLIC TRANSIT CORRIDORS, THE PROPERTY LINE MAY BE CONSIDERED TO BE THE CENTERLINE OF THE PUBLIC ROADWAY OR PUBLIC TRANSIT CORRIDOR FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH THIS SECTION.
3. GENERAL LIGHTING LUMINAIRES IN AREAS SUCH AS OUTDOOR PARKING SALES OR STORAGE LOTS SHALL MEET THESE REDUCED RATINGS. DECORATIVE LUMINAIRES LOCATED IN THESE AREAS SHALL MEET U-VALUE LIMITS FOR "ALL OTHER OUTDOOR LIGHTING."

5.106.8.1 FACING - BACKLIGHT. LUMINAIRES WITHIN 2MH OF A PROPERTY LINE SHALL BE ORIENTED SO THAT THE NEAREST PROPERTY LINE IS BEHIND THE FIXTURE, AND SHALL COMPLY WITH THE BACKLIGHT RATING SPECIFIED IN TABLE 5.106.8 BASED ON THE LIGHTING ZONE AND DISTANCE TO THE NEAREST POINT OF THAT PROPERTY LINE.
EXCEPTION: CORNERS. IF TWO PROPERTY LINES (OR TWO SEGMENTS OF THE SAME PROPERTY LINE) HAVE EQUIDISTANT POINTS TO THE LUMINAIRE, THEN THE LUMINAIRE MAY BE ORIENTED SO THAT THE INTERSECTION OF THE TWO LINES (THE CORNER) IS DIRECTLY BEHIND THE LUMINAIRE. THE LUMINAIRE SHALL STILL USE THE DISTANCE TO THE NEAREST POINT(S) ON THE PROPERTY LINES TO DETERMINE THE REQUIRED BACKLIGHT RATING.

5.106.8.2 FACING - GLARE. FOR LUMINAIRES COVERED BY 5.106.8.1, IF A PROPERTY LINE ALSO EXISTS WITHIN OR EXTENDS IN THE FRONT HEMISPHERE WITHIN 2MH OF THE LUMINAIRE THEN THE LUMINAIRE SHALL COMPLY WITH THE MORE STRINGENT GLARE RATING SPECIFIED IN TABLE 5.106.8 BASED ON THE LIGHTING ZONE AND DISTANCE TO THE NEAREST POINT ON THE NEAREST PROPERTY LINE WITHIN THE FRONT HEMISPHERE.

NOTES:

1. SEE ALSO CALIFORNIA BUILDING CODE, CHAPTER 12, SECTION 1205.7 FOR COLLEGE CAMPUS LIGHTING REQUIREMENTS FOR PARKING FACILITIES AND WALKWAYS.
2. REFER TO CHAPTER 8 (COMPLIANCE FORMS, WORKSHEETS AND REFERENCE MATERIAL) FOR IES TM-15-11 TABLE A-1, CALIFORNIA ENERGY CODE TABLES 130.2-A AND 130.2-B.
3. REFER TO THE CALIFORNIA ENERGY CODE FOR REQUIREMENTS FOR ADDITIONS AND ALTERATIONS.

5.106.10 GRADING AND PAVING. CONSTRUCTION PLANS SHALL INDICATE HOW SITE GRADING OR A DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS. EXAMPLES OF METHODS TO MANAGE SURFACE WATER INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

1. SWALES.
2. WATER COLLECTION AND DISPOSAL SYSTEMS.
3. FRENCH DRAINS.
4. WATER RETENTION GARDENS.
5. OTHER WATER MEASURES WHICH KEEP SURFACE WATER AWAY FROM BUILDINGS AND AID IN GROUNDWATER RECHARGE.

EXCEPTIONS: ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.

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DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 SCOPE [BSC-CG] CALIFORNIA ENERGY CODE [DSA-SS]. FOR THE PURPOSES OF MANDATORY ENERGY EFFICIENCY STANDARDS IN THIS CODE, THE CALIFORNIA ENERGY COMMISSION WILL CONTINUE TO ADOPT MANDATORY BUILDING STANDARDS.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.303 INDOOR WATER USE

5.303.1 METERS. SEPARATE SUBMETERS OR METERING DEVICES SHALL BE INSTALLED FOR THE USES DESCRIBED IN SECTIONS 5.303.1.1 AND 5.303.1.2.

5.303.1.1 BUILDINGS IN EXCESS OF 50,000 SQUARE FEET. SEPARATE SUBMETERS SHALL BE INSTALLED AS FOLLOWS:

1. FOR EACH INDIVIDUAL LEASED, RENTED OR OTHER TENANT SPACE WITHIN THE BUILDING PROJECTED TO CONSUME MORE THAN 100 GAL/DAY (380 L/DAY), INCLUDING, BUT NOT LIMITED TO, SPACES USED FOR LAUNDRY OR CLEANERS, RESTAURANT OR FOOD SERVICE, MEDICAL OR DENTAL OFFICE, LABORATORY, OR BEAUTY SALON OR BARBER SHOP.
2. WHERE SEPARATE SUBMETERS FOR INDIVIDUAL BUILDING TENANTS ARE UNFEASIBLE, FOR WATER SUPPLIED TO THE FOLLOWING SUBSYSTEMS:
   - 2.1. MAKEUP WATER FOR COOLING TOWERS WHERE FLOW THROUGH IS GREATER THAN 500 GPM (30L/S).
   - 2.2. MAKEUP WATER FOR EVAPORATIVE COOLERS GREATER THAN 6 GPM (0.04 L/S).
   - 2.3. STEAM AND HOT WATER BOILERS WITH ENERGY INPUT MORE THAN 500,000 BTU/H (147 kW).

5.303.1.2 EXCESS CONSUMPTION. A SEPARATE SUBMETER OR METERING DEVICE SHALL BE PROVIDED FOR ANY TENANT WITHIN A NEW BUILDING OR WITHIN AN ADDITION THAT IS PROJECTED TO CONSUME MORE THAN 1,000 GAL/DAY.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE FOLLOWING:

5.303.3.1 WATER CLOSETS. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE US EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.

5.303.3.2 URINALS.

5.303.3.2.1 WALL-MOUNTED URINALS. THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH.

5.303.3.2.2 FLOOR-MOUNTED URINALS. THE EFFECTIVE FLUSH VOLUME OF FLOOR-MOUNTED URINALS SHALL NOT EXCEED 0.5 GALLONS PER FLUSH.

5.303.3.3 SHOWERHEADS [BSC-CG]

5.303.3.3.1 SINGLE SHOWERHEAD. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.

5.303.3.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME.
NOTE: A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.

5.303.3.4 FAUCETS AND FOUNTAINS.

5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS. LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.

5.303.3.4.2 KITCHEN FAUCETS. KITCHEN FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.

5.303.3.4.3 WASH FOUNTAINS. WASH FOUNTAINS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE/20 [RIM SPACE (INCHES) AT 60 PSI].

5.303.3.4.4 METERING FAUCETS. METERING FAUCETS SHALL NOT DELIVER MORE THAN 0.20 GALLONS PER CYCLE.

5.303.3.4.5 METERING FAUCETS FOR WASH FOUNTAINS. METERING FAUCETS FOR WASH FOUNTAINS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.20 GALLONS PER MINUTE/20 [RIM SPACE (INCHES) AT 60 PSI].

NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION.

5.303.3.4.6 PRE-RINSE SPRAY VALUE. WHEN INSTALLED, SHALL MEET THE REQUIREMENTS IN THE CALIFORNIA CODE OF REGULATIONS, TITLE 20 (APPLIANCE EFFICIENCY REGULATIONS), SECTION 1605.1 (H)(4) TABLE H-2, SECTION 1605.3 (H)(4)(A), AND SECTION 1607 AND SHALL BE EQUIPPED WITH AN INTEGRAL AUTOMATIC SHUTOFF.

5.303.4.1 FOOD WASTE DISPOSERS. DISPOSERS SHALL EITHER MODULATE THE USE OF WATER TO NO MORE THAN 1 GPM WHEN THE DISPOSER IS NOT IN USE (NOT ACTIVELY GRINDING FOOD WASTE/NO-LOAD) OR SHALL AUTOMATICALLY SHUT OFF AFTER NO MORE THAN 10 MINUTES OF INACTIVITY. DISPOSERS SHALL USE NO MORE THAN 8 GPM OF WATER.
NOTE: THIS CODE SECTION DOES NOT AFFECT LOCAL JURISDICTION AUTHORITY TO PROHIBIT OR REQUIRE DISPOSER INSTALLATION.

5.303.5 AREAS OF ADDITION OR ALTERATION. FOR THOSE OCCUPANCIES WITHIN THE AUTHORITY OF THE CALIFORNIA BUILDING STANDARDS COMMISSION AS SPECIFIED IN SECTION 103, THE PROVISIONS OF SECTION 5.303.3 AND 5.303.4 SHALL APPLY TO NEW FIXTURES IN ADDITIONS OR AREAS OF ALTERATION TO THE BUILDING.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE AND IN CHAPTER 6 OF THIS CODE.

SECTION 5.304 OUTDOOR WATER USE

5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. NONRESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO), WHICHEVER IS MORE STRINGENT.

NOTES:

1. THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) IS LOCATED IN THE CALIFORNIA CODE OF REGULATIONS, TITLE 23, CHAPTER 2.7, DIVISION 2.
2. MWELO AND SUPPORTING DOCUMENTS, INCLUDING A WATER BUDGET CALCULATOR, ARE AVAILABLE AT: HTTPS://WWW.WATER.CA.GOV/

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. PROVIDE A WEATHER-RESISTANT EXTERIOR WALL AND FOUNDATION ENVELOPE AS REQUIRED BY CALIFORNIA BUILDING CODE SECTION 1402.2 (WEATHER PROTECTION), MANUFACTURER'S INSTALLATION INSTRUCTIONS OR LOCAL ORDINANCE, WHICHEVER IS MORE STRINGENT.

5.407.2 MOISTURE CONTROL. EMPLOY MOISTURE CONTROL MEASURES BY THE FOLLOWING METHODS.

5.407.2.1 SPRINKLERS. DESIGN AND MAINTAIN LANDSCAPE IRRIGATION SYSTEMS TO PREVENT SPRAY ON STRUCTURES.

5.407.2.2 ENTRIES AND OPENINGS. DESIGN EXTERIOR ENTRIES AND/OR OPENINGS SUBJECT TO FOOT TRAFFIC OR WIND-DRIVEN RAIN TO PREVENT WATER INTRUSION INTO BUILDINGS AS FOLLOWS:

5.407.2.2.1 EXTERIOR DOOR PROTECTION. PRIMARY EXTERIOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO SUCH OPENINGS PLUS AT LEAST ONE OF THE FOLLOWING:

1. AN INSTALLED AWNING AT LEAST 4 FEET IN DEPTH.
2. THE DOOR IS PROTECTED BY A ROOF OVERHANG AT LEAST 4 FEET IN DEPTH.
3. THE DOOR IS RECESSED AT LEAST 4 FEET.
4. OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION.

5.407.2.2.2 FLASHING. INSTALL FLASHINGS INTEGRATED WITH A DRAINAGE PLANE.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 CONSTRUCTION WASTE MANAGEMENT

5.408.1.1 CONSTRUCTION WASTE MANAGEMENT PLAN. WHERE A LOCAL JURISDICTION DOES NOT HAVE A CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE THAT IS MORE STRINGENT, SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN THAT:

1. IDENTIFIES THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.
2. DETERMINES IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE SORTED ON-SITE (SOURCE-SEPARATED) OR BULK MIXED (SINGLE STREAM).
3. IDENTIFIES DIVERSION FACILITIES WHERE CONSTRUCTION AND DEMOLITION WASTE MATERIAL COLLECTED WILL BE TAKEN.
4. SPECIFIES THAT THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH.

5.408.1.2 WASTE MANAGEMENT COMPANY. UTILIZE A WASTE MANAGEMENT COMPANY THAT CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION AND DEMOLITION WASTE MATERIAL DIVERTED FROM THE LANDFILL COMPLIES WITH THIS SECTION.
NOTE: THE OWNER OR CONTRACTOR SHALL MAKE THE DETERMINATION IF THE CONSTRUCTION AND DEMOLITION WASTE MATERIAL WILL BE DIVERTED BY A WASTE MANAGEMENT COMPANY.
EXCEPTIONS TO SECTIONS 5.408.1.1 AND 5.408.1.2:

- 1.1. EXCAVATED SOIL AND LAND-CLEARING DEBRIS.
- 1.2. ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST.
- 1.3. DEMOLITION WASTE MEETING LOCAL ORDINANCE OR CALCULATED IN CONSIDERATION OF LOCAL RECYCLING FACILITIES AND MARKETS.

5.408.1.3 WASTE STREAM REDUCTION ALTERNATIVE. THE COMBINED WEIGHT OF NEW CONSTRUCTION DISPOSAL THAT DOES NOT EXCEED TWO POUNDS PER SQUARE FOOT OF BUILDING AREA MAY BE DEEMED TO MEET THE 65 PERCENT MINIMUM REQUIREMENT AS APPROVED BY THE ENFORCING AGENCY.

5.408.1.4 DOCUMENTATION. DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTION 5.408.1.1 THROUGH 5.408.1.3. THE WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY.
NOTE:

1. SAMPLE FORMS FOUND IN "A GUIDE TO THE CALIFORNIA GREEN BUILDING STANDARDS CODE (NONRESIDENTIAL)" LOCATED AT WWW.BSC.CA.GOV/HOME/CALGREEN.ASPX MAY BE USED TO ASSIST IN DOCUMENTING COMPLIANCE WITH THE WASTE MANAGEMENT PLAN.
2. MIXED CONSTRUCTION AND DEMOLITION DEBRIS (C&D) PROCESSORS CAN BE LOCATED AT THE CALIFORNIA DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY (CALRECYCLE).

5.408.2 UNIVERSAL WASTE [A]. ADDITIONS AND ALTERATIONS TO A BUILDING OR TENANT SPACE THAT MEET THE SCOPING PROVISIONS IN SECTION 301.3 FOR NONRESIDENTIAL ADDITIONS AND ALTERATIONS, SHALL REQUIRE VERIFICATION THAT UNIVERSAL WASTE ITEMS SUCH AS FLUORESCENT LAMPS AND BALLAST AND MERCURY CONTAINING THERMOSTATS AS WELL AS OTHER CALIFORNIA PROHIBITED UNIVERSAL WASTE MATERIALS ARE DISPOSED OF PROPERLY AND ARE DIVERTED FROM LANDFILLS. A LIST OF PROHIBITED UNIVERSAL WASTE MATERIALS SHALL BE INCLUDED IN THE CONSTRUCTION DOCUMENTS.
NOTE: REFER TO THE UNIVERSAL WASTE RULE LINK AT: HTTP://WWW.DTSC.CA.GOV/UNIVERSALWASTE/

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 PERCENT OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED. FOR A PHASED PROJECT, SUCH MATERIAL MAY BE STOCKPILED ON SITE UNTIL THE STORAGE SITE IS DEVELOPED.
EXCEPTION: REUSE, EITHER ON OR OFF-SITE, OF VEGETATION OR SOIL CONTAMINATED BY DISEASE OR PEST INFESTATION.
NOTE:

- 1.1 IF CONTAMINATION BY DISEASE OR PEST INFESTATION IS SUSPECTED, CONTACT THE COUNTY AGRICULTURAL COMMISSIONER AND FOLLOW ITS DIRECTION FOR RECYCLING OR DISPOSAL OF THE MATERIAL.
- 1.2. FOR A MAP OF KNOW PEST AND/OR DISEASE QUARANTINE ZONES, CONSULT WITH THE CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE. (WWW.CDFA.CA.GOV)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATION

5.410.1 RECYCLING BY OCCUPANTS. PROVIDE READILY ACCESSIBLE AREAS THAT SERVE THE ENTIRE BUILDING AND ARE IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS, ORGANIC WASTE, AND METALS OR MEET A LAWFULLY ENACTED LOCAL RECYCLING ORDINANCE, IF MORE RESTRICTIVE.
EXCEPTION: RURAL JURISDICTIONS THAT MEET APPLY FOR TH

TABLE 5.504.4.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (GRAMS OF VOC PER LITER OF COATING, LESS WATER AND LESS EXEMPT COMPOUNDS)	
COATING CATEGORY	**CURRENT LIMIT**
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT-HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS [1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS AND UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SELAERS AND UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB AND TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER AND INCLUDING EXEMPT COMPOUNDS.
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.
3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEBRUARY 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.1 AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET THE PWMIR LIMITS FOR ROC IN SECTION 94522 (a)(3) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES. IN SECTIONS 94522 (c)(2) AND (d)(2) OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94520; AND IN AREAS UNDER THE JURISDICTION OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8 RULE 49.

5.504.4.3.2 VERIFICATION. VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY. DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

1. MANUFACTURER'S PRODUCT SPECIFICATION.
2. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS.

5.504.4.4 CARPET SYSTEMS. ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET AT LEAST ONE OF THE FOLLOWING TESTING AND PRODUCT REQUIREMENTS:

1. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM;
2. COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, VERSION1.1, FEBRUARY 2010 (ALSO KNOWN AS CDPH STANDARD METHOD V1.1 OR SPECIFICATION 01350);
3. NSF/ANSI 140 AT THE GOLD LEVEL OR HIGHER;
4. SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE; OR
5. COMPLIANT WITH THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS CALIFORNIA (CA-CHPS) CRITERIA 2014 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE.

5.504.4.4.1 CARPET CUSHION. ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE'S GREEN LABEL PROGRAM.

5.504.4.4.2 CARPET ADHESIVE. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.

5.504.4.5 COMPOSITE WOOD PRODUCTS. HARDWOOD PLYWOOD, PARTICLEBOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED O NTHE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXICS CONTROL MEASURE (ATCM) FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.). THOSE MATERIALS NOT EXEMPTED BY THE ATCM MUST MEET THE SPECIFIED EMISSION LIMITS AS SHOWN IN TABLE 5.504.4.5.

5.504.4.5.3 DOCUMENTATION. VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AS REQUESTED BY THE ENFORCING AGENCY. DOCUMENTATION SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING:

1. PRODUCT CERTIFICATIONS AND SPECIFICATIONS.
2. CHAIN OF CUSTODY CERTIFICATIONS.
3. PRODUCT LABELED AND INVOICED AS MEETING THE COMPOSITE WOOD PRODUCTS REGULATION (SEE CCR, TITLE 17, SECTION 93120, ET SEQ.).
4. EXTERIOR GRADE PRODUCTS MARKED AS MEETING THE PS-1 OR PS-2 STANDARDS OF THE ENGINEERED WOOD ASSOCIATION, THE AUTRALIAN AS/NZS 2269 OR EUROPEAN 636 3S STANDARDS.
5. OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY.

TABLE 5.504.4.5 FORMALDEHYDE LIMITS (MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION)	
PRODUCT	**CURRENT LIMIT**
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLEBOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.
2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCH (8 MM).

5.504.4.6 RESILIENT FLOORING SYSTEMS. WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350).

SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND TESTING LABS.
HTTPS://WWW.CDPH.CA.GOV/PROGRAMS/CCDPHP/DEODC/EHLB/IAQ/PAGES/VOC.ASPX#MATERIAL

5.504.4.6.1 VERIFICATION OF COMPLIANCE. DOCUMENTATION SHALL BE PROVIDED VERIFYING THAT RESILIENT FLOORING MATERIALS MEET THE POLLUTANT EMISSION LIMITS.

5.504.4.7 THERMAL INSULATION. COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD OF THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350). SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND TESTING LABS.
HTTPS://WWW.CDPH.CA.GOV/PROGRAMS/CCDPHP/DEODC/EHLB/IAQ/PAGES/VOC.ASPX#MATERIAL

5.504.4.7.1 VERIFICATION OF COMPLIANCE. DOCUMENTATION SHALL BE PROVIDED VERIFYING THAT THERMAL INSULATION MATERIALS MEET THE POLLUTANT EMISSION LIMITS.

5.504.4.8 ACOUSTICAL CEILING AND WALL PANELS. COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350). SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND TESTING LABS. HTTPS://WWW.CDPH.CA.GOV/PROGRAMS/CCDPHP/DEODC/EHLB/IAQ/PAGES/VOC.ASPX#MATERIAL

5.504.4.8.1 VERIFICATION OF COMPLIANCE. DOCUMENTATION SHALL BE PROVIDED VERIFYING THAT ACOUSTICAL FINISH MATERIALS MEET THE POLLUTANT EMISSION LIMITS.

5.504.5.3 FILTERS. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13. MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.
EXCEPTION: EXISTING MECHANICAL EQUIPMENT.

5.504.5.3.1 LABELING. INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INDICATING THE MERV RATING.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. WHERE OUTDOOR AREAS ARE PROVIDED FOR SMOKING, PROHIBIT SMOKING WITHIN 25 FEET OF BUILDING ENTRIES, OUTDOOR AIR INTAKES AND OPERABLE WINDOWS AND WITHIN THE BUILDING AS ALREADY PROHIBITED BY OTHER LAWS OR REGULATIONS; OR AS ENFORCED BY ORDINANCES, REGULATIONS OR POLICIES OF ANY CITY, COUNTY, CITY AND COUNTY, CALIFORNIA COMMUNITY COLLEGE, CAMPUS OF THE CALIFORNIA STATE UNIVERSITY, OR CAMPUS OF UNIVERSITY OF CALIFORNIA, WHICHEVER ARE MORE STRINGENT. WHEN ORDINANCES, REGULATIONS OR POLICIES ARE NOT IN PLACE, POST SIGNAGE TO INFORM BUILDING OCCUPANTS OF THE PROHIBITIONS.

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL. BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, SECTIONS 1202 (VENTILATION) AND CHAPTER 14 (EXTERIOR WALLS). FOR ADDITIONAL MEASURES SEE SECTION 5.407.2 OF THIS CODE.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 (REQUIREMENTS FOR VENTILATION) OF THE CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.

5.506.2 CARBON DIOXIDE (CO2) MONITORING. FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION. CO_2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE, SECTION 120(C)(4).

5.506.3 CARBON DIOXIDE (C02) MONITORING IN CLASSROOMS. EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS :

1. THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1523 MM) AWAY FROM DOOR AND OPERABLE WINDOWS.
2. WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL.
3. A MONITOR SHALL PROVIDE NOTIFICATION THOUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM.
4. THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION.
5. THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER.
6. THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 ACOUSTICAL COMFORT. EMPLOY BUILDING ASSEMBLIES AND COMPONENTS WITH SOUND TRANSMISSION CLASS (STC) VALUES DETERMINED IN ACCORDANCE WITH ASTM E 90 AND ASTM E 413 OR OUTDOOR - INDOOR SOUND TRANSMISSION CLASS (OITC) DETERMINED IN ACCORDANCE WITH ASTM E 1332, USING EITHER THE PRESCRIPTIVE OR PERFORMANCE METHOD IN SECTION 5.507.4.1 OR 5.507.4.2.
EXCEPTION: BUILDINGS WITH FEW OR NO OCCUPANTS OR WHERE OCCUPANTS ARE NOT LIKELY TO BE AFFECTED BY EXTERIOR NOISE, AS DETERMINED BY THE ENFORCEMENT AUTHORITY, SUCH AS FACTORIES, STADIUMS, STORAGE, ENCLOSED PARKING STRUCTURES AND UTILITY BUILDINGS.
EXCEPTION: [DSA-SS] FOR PUBLIC SCHOOLS AND COMMUNITY COLLEGES, THE REQUIREMENT OF THIS SECTION AND ALL SUBSECTIONS APPLY ONLY TO NEW CONSTRUCTION.

5.507.4.1 EXTERIORS NOISE TRANSMISSION, PRESCRIPTIVE METHOD. WALL AND ROOF-CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MAKING UP THE BUILDING OR ADDITION ENVELOPE OR ALTERED ENVELOPE SHALL MEET A COMPOSITE STC RATING OF AT LEAST 50 OR A COMPOSITE OITC RATING OF NO LESS THAN 40, WITH EXTERIOR WINDOWS OF A MINIMUM STC OF 40 OR OITC OF 30 IN THE FOLLOWING LOCATIONS:

1. WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT.
   EXCEPTIONS:
   1.1. L_{DN} OR CNEL FOR MILITARY AIRPORTS SHALL BE DETERMINED BY THE FACILITY AIR INSTALLATION COMPATIBLE LAND USE ZONE (AICUZ) PLAN.
   1.2. L_{DN} OR CNEL FOR OTHER AIRPORTS AND HELIPORTS FOR WHICH A LAND USE PLAN HAS NOT BEEN DEVELOPED SHALL BE DETERMINED BY THE LOCAL GENERAL PLAN NOISE ELEMENT.
2. WITHIN THE 65 CNEL OR L_{DN} NOISE CONTOUR OF A FREEWAY OR EXPRESSWAY, RAILROAD, INDUSTRIAL SOURCE OR FIXED-GUIDEWAY SOURCE AS DETERMINED BY THE NOISE ELEMENT OF THE GENERAL PLAN.

5.507.4.1.1 NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE. BUILDINGS EXPOSED TO A NOISE LEVEL OF 65 dBL_{EQ}-1-HR DURING ANY HOUR OF OPERATION SHALL HAVE BUILDING, ADDITION OR ALTERATION EXTERIOR WALL AND ROOF-CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MEETING A COMPOSITE STC RATING OF AT LEAST 45 (OR OITC 35), WITH EXTERIOR WINDOWS OF A MINIMUM STC OF 40 (OR OITC 30).

5.507.4.2 PERFORMANCE METHOD. FOR BUILDINGS LOCATED AS DEFINED IN SECTION 5.507.4.1 OR 5.507.4.1.1, WALL AND ROOF-CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MAKING UP THE BUILDING OR ADDITION ENVELOPE OR ALTERED ENVELOPE SHALL BE CONSTRUCTED TO PROVIDE AN INTERIOR NOISE ENVIRONMENT ATTRIBUTABLE TO EXTERIOR SOURCES THAT DOES NOT EXCEED AN HOURLY EQUIVALENT NOISE LEVEL (L_{EQ}-1HR) OF 50 dBA IN OCCUPIED AREAS DURING ANY HOUR OF OPERATION.

5.507.4.2.1 SITE FEATURES. EXTERIOR FEATURES SUCH AS SOUND WALL OR EARTH BERMS MAY BE UTILIZED AS APPROPRIATE TO THE BUILDING, ADDITION OR ALTERATION PROJECT TO MITIGATE SOUND MIGRATION TO THE INTERIOR.

5.507.4.2.2 DOCUMENTATION OF COMPLIANCE. AN ACOUSTICAL ANALYSIS DOCUMENTING COMPLYING INTERIOR SOUND LEVELS SHALL BE PREPARED BY PERSONNEL APPROVED BY THE ARCHITECT OR ENGINEER OF RECORD.

5.507.4.3 INTERIOR SOUND TRANSMISSION. WALL AND FLOOR-CEILING ASSEMBLIES SEPARATING TENANT SPACES AND TENANT SPACES AND PUBLIC PLACES SHALL HAVE AN STC OF AT LEAST 40.
NOTE: EXAMPLES OF ASSEMBLIES AND THEIR VARIOUS STC RATING MAY BE FOUND AT THE CALIFORNIA OFFICE OF NOISE CONTROL:
HTTPS://WWW.TSIB.ORG/FILES/STC_IIC_RATINGS.PDF

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.

5.508.1.1 CHLOROFLUOROCARBONS (CFCS). INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCS.

5.508.1.2 HALONS. INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN HALONS.

5.508.2.1 REFRIGERANT PIPING. PIPING COMPLIANT WITH THE CALIFORNIA MECHANICAL CODE SHALL BE INSTALLED TO BE ACCESSIBLE FOR LEAK PROTECTION AND REPAIRS. PIPING RUNS USING THREADED PIPE, COPPER TUBING WITH AN OUTSIDE DIAMETER (OD) LESS THAN 1/4 INCH, FLARED TUBING CONNECTIONS AND SHORT RADIUS ELBOWS SHALL NOT BE USED IN REFRIGERANT SYSTEMS EXCEPT AS NOTED BELOW.

5.508.2.1.1 THREADED PIPE. THREADED CONNECTIONS ARE PERMITTED AT THE COMPRESSOR RACK.

5.508.2.1.2 COPPER PIPE. COPPER TUBING WITH AN OD LESS THAN 1/4 INCH MAY BE USED IN SYSTEMS WITH A REFRIGERANT CHARGE OF 5 POUNDS OR LESS.

5.508.2.1.2.1 ANCHORAGE. ONE-FOURTH-INCH OD TUBING SHALL BE SECURELY CLAMPED TO A RIGID BASE TO KEEP VIBRATION LEVELS BELOW 8 MILS.

5.508.2.1.3 FLARED TUBING CONNECTIONS. DOUBLE-FLARED TUBING CONNECTIONS MAY BE USED FOR PRESSURE CONTROLS, VALVE PILOT LINES AND OIL.
EXCEPTION: SINGLE-FLARED TUBING CONNECTIONS MAY BE USED WITH A MULTIRING SEAL COATED WITH INDUSTRIAL SEALANT SUITABLE FOR USE WITH REFRIGERANTS AND TIGHTENED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

5.508.2.1.4 ELBOWS. SHORT RADIUS ELBOWS ARE ONLY PERMITTED WHERE SPACE LIMITATIONS PROHIBIT USE OF LONG RADIUS ELBOWS.

5.508.2.2 VALVES. VALVES AND FITTINGS SHALL COMPLY WITH THE CALIFORNIA MECHANICAL CODE AND AS FOLLOWS.

5.508.2.2.1 PRESSURE RELIEF VALVES. FOR VESSELS CONTAINING HIGH-GWP REFRIGERANT, A RUPTURE DISC SHALL BE INSTALLED BETWEEN THE OUTLET OF THE VESSEL AND THE INLET OF THE PRESSURE RELIEF VALVE.

5.508.2.2.1.1 PRESSURE DETECTION. A PRESSURE GAUGE, PRESSURE TRANSDUCER OR OTHER DEVICE SHALL BE INSTALLED IN THE SPACE BETWEEN THE RUPTURE DISC AND THE RELIEF VALVE INLET TO INDICATE A DISC RUPTURE OR DISCHARGE OF THE RELIEF VALVE.

5.508.2.2.2 ACCESS VALVES. ONLY SCHRADER ACCESS VALVES WITH A BRASS OR STEEL BODY ARE PERMITTED FOR USE.

5.508.2.2.2.1 VALVE CAPS. FOR SYSTEMS WITH A REFRIGERANT CHARGE OF 5 POUNDS OR MORE, VALVE CAPS SHALL BE BRASS OR STEEL ANDNOT PLASTIC.

5.508.2.2.2.2 SEAL CAPS. IF DESIGNED FOR IT, THE CAP SHALL HAVE A NEOPRENE O-RING IN PLACE.

5.508.2.2.2.2.1 CHAIN TETHERS. CHAIN TETHERS TO FIT OVER THE STEM ARE REQUIRED FOR VALVES DESIGNED TO HAVE SEAL CAPS.
EXCEPTION: VALVES WITH SEAL CAPS THAT ARE NOT REMOVED FROM THE VALVE DURING STEM OPERATION.

5.508.2.3 REFRIGERATED SERVICE CASES. REFRIGERATED SERVICE CASES HOLDING FOOD PRODUCTS CONTAINING VINEGAR AND SALT SHALL HAVE EVAPORATOR COILS OF CORROSION-RESISTANT MATERIAL, SUCH AS STAINLESS STEEL; OR BE COATED TO PREVENT CORROSION FROM THESE SUBSTANCES.

5.508.2.3.1 COIL COATING. CONSIDERATION SHALL BE GIVEN TO THE HAT TRANSFER EFFICIENCY OF COIL COATING TO MAXIMIZE ENERGY EFFICIENCY.

5.508.2.4 REFRIGERANT RECEIVERS. REFRIGERANT RECEIVERS WITH CAPACITIES GREATER THAN 200 POUNDS SHALL BE FITTED WITH A DEVICE THAT INDICATES THE LEVEL OF REFRIGERANT IN THE RECEIVER.

5.508.2.5 PRESSURE TESTING. THE SYSTEM SHALL BE PRESSURE TESTED DURING INSTALLATION PRIOR TO EVACUATION AND CHARGING.

5.508.2.5.1 MINIMUM PRESSURE. THE SYSTEM SHALL BE CHARGED WITH REGULATED DRY NITROGEN AND APPROPRIATE TRACER GAS TO BRING SYSTEM PRESSURE UP TO 300 PSIG MINIMUM.

5.508.2.5.2 LEAKS. CHECK THE SYSTEM FOR LEAKS, REPAIR ANY LEAKS, AND RETEST FOR PRESSURE USING THE SAME GAUGE.

5.508.2.5.3 ALLOWABLE PRESSURE CHANGE. THE SYSTEM SHALL STAND, UNALTERED, FOR 24 HOURS WITH NO MORE THAN A +/- ONE POUND PRESSURE CHANGE FROM 300 PSIG, MEASURED WITH THE SAME GAUGE.

5.508.2.6 EVACUATION. THE SYSTEM SHALL BE EVACUATED AFTER PRESSURE TESTING AND PRIOR TO CHARGING.

5.508.2.6.1 FIRST VACUUM. PULL A SYSTEM VACUUM DOWN TO AT LEAST 1000 MICRONS (+/- 50 MICRONS), AND HOLD FOR 30 MINUTES.

5.508.2.6.2 SECOND VACUUM. PULL A SECOND SYSTEM VACUUM TO A MINIMUM OF 500 MICRONS AND HOLD FOR 30 MINUTES.

5.508.2.6.3 THIRD VACUUM. PULL A THIRD VACUUM DOWN TO A MINIMUM OF 300 MICRONS, AND HOLD FOR 24 HOURS WITH A MAXIMUM DRIFT OF 100 MICRONS OVER A 24-HOUR PERIOD.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE,
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

CALGREEN MANDATORY MEASURES

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

T6

NIPOMO HIGH SCHOOL CLASSROOMS

525 N THOMPSON AVE
NIPOMO, CA 93444

GOVERNING BUILDING CODES

ALL WORK, MATERIALS, METHODS, ETC. SHALL CONFORM TO ALL GOVERNING CODES AND REGULATIONS THAT ARE CURRENTLY IN EFFECT:

2022 CALIFORNIA BUILDING CODE (CBC)
2022 CALIFORNIA RESIDENTIAL CODE (CRC) BASED ON 2021 IRC,
2022 CALIFORNIA ELECTRICAL CODE (CEC)
BASED ON 2020 NATIONAL ELECTRICAL CODE,
2022 CALIFORNIA MECHANICAL CODE (CMC)
BASED ON 2021 UNIFORM MECHANICAL CODE (UMC),
2022 CALIFORNIA PLUMBING CODE (CPC)
BASED ON 2021 UNIFORM PLUMBING CODE (UPC),
2022 CALIFORNIA ENERGY CODE (CENC)
2022 CALIFORNIA FIRE CODE (CFC) BASED ON 2021 IFC,
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN),
2022 COUNTY OF SAN LUIS OBISPO CONSTRUCTION AND FIRE CODES.

NOTE:

REMODELING OR DEMOLITION OF PRE-1978 STRUCTURES WITHOUT USING LEAD SAFE WORK PRACTICES IS A VIOLATION OF THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 105256. CONTRACTORS, REMODELERS AND PAINTERS ARE REQUIRED TO USE "LEAD-SAFE" WORK PRACTICES PURSUANT TO TITLE 17, CALIFORNIA CODE OF REGULATIONS SECTION 36050.

OWNER'S RESPONSIBILITIES

A. PRIOR TO COMMENCING CONSTRUCTION CALLED FOR BY THESE PLANS, SPECIFICATIONS AND DETAILS, THE OWNER SHALL ENGAGE A GEOTECHNICAL ENGINEER TO PROVIDE CONSTRUCTION PHASE OBSERVATION AND TESTING SERVICES AND SHALL ALSO ENGAGE THE PROJECT ENGINEER OR ANOTHER QUALIFIED PARTY TO PROVIDE PROJECT CONSTRUCTION OBSERVATION AND ASSURANCES ON CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND AGENCY REQUIREMENTS. THE OWNER SHALL ALSO ASSURE THAT CONTRACTOR(S) ENGAGED TO PROPERLY IMPLEMENT THE CONSTRUCTION CALLED FOR ON THESE PLANS, SPECIFICATIONS AND DETAILS INCLUDING THOSE TASKS CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN DOCUMENT OR EROSION CONTROL PLAN SHEETS ATTACHED AS PART OF THESE PLANS.

B. GEOTECHNICAL ENGINEER'S RESPONSIBILITIES:

1. A GEOTECHNICAL ENGINEER SHALL REVIEW THESE PLANS WITH RESPECT TO GENERAL CONFORMANCE WITH THE INTENT OF THE RECOMMENDATIONS PRESENTED IN THE PROJECT SOILS ENGINEERING REPORT. THE PLAN REVIEW SHALL BE PERFORMED SPECIFICALLY WITH RESPECT TO GEOTECHNICAL FACTORS DISCUSSED IN THE REFERENCED REPORT. IN PERFORMING THE REVIEW, A GEOTECHNICAL ENGINEER SHALL ATTEMPT TO VERIFY THAT THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE REPORT ARE GENERALLY INCORPORATED INTO THE PLANS. IN ACCORDANCE WITH THIS LEVEL OF REVIEW, THE PLANS ARE TO BE FOUND IN SUBSTANTIAL CONFORMANCE WITH THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE NOTED REPORT.

2. UPON BEING RETAINED BY THE OWNER, PRIOR TO CONSTRUCTION THE GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER AND THE CONTRACTOR THE LEVEL OF OBSERVATION AND TESTING THAT WILL BE PROVIDED DURING CONSTRUCTION. PROVIDED THAT THE CONTRACTOR FULFILLS HIS OR HER RESPONSIBILITY FOR TIMELY REQUESTS FOR THOSE SERVICES DURING CONSTRUCTION, THE GEOTECHNICAL ENGINEER SHALL PROVIDE OBSERVATION AND TESTING AT THE PROJECT WORK AREA OF EARTHWORK OPERATIONS, INCLUDING TRENCHING AND PAVEMENT SUBGRADE PREPARATION, AS NECESSARY TO HAVE REASONABLE CERTAINTY THAT THE EARTHWORK IS PERFORMED IN GENERAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, AND WITH THE REQUIREMENTS OF SAN LUIS OBISPO COUNTY CODE CHAPTER 14 (GRADING ORDINANCE No.4766).

3. UPON COMPLETION OF EARTHWORK, THE GEOTECHNICAL ENGINEER SHALL, UPON REQUEST, PROVIDE A FINAL REPORT WITH RESULTS OF THEIR OBSERVATION AND TESTING DURING EARTHWORK OPERATIONS. PROVIDED THAT THE WORK IS PERFORMED IN CONFORMANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, THE REPORT WILL STATE THEIR OPINION THAT THE GRADING WAS COMPLETED IN SUBSTANTIAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

C. CONTRACTOR'S STORM WATER POLLUTION CONTROL RESPONSIBILITIES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT AND MAINTAIN POLLUTION PREVENTION MEASURES, INCLUDING THOSE FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY TO PREVENT ANY POLLUTANT AT ANY LEVEL FROM BEING CONVEYED OFF THE CONSTRUCTION SITE AND THAT THESE MEASURES MUST CONTINUE TO BE MAINTAINED UNTIL THE REQUIRED POST-CONSTRUCTION POLLUTION PREVENTION MEASURES ARE IN PLACE AND COMPLETELY FUNCTIONAL, INCLUDING PERMANENT LANDSCAPING.

2. THE SPECIFIC MEASURES WHICH MAY BE CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN CANNOT ADDRESS ALL SITE DEVELOPMENT AND STORM CHARACTERISTICS WHICH WILL EVOLVE OVER THE COURSE OF CONSTRUCTION AND THAT IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOT ONLY IMPLEMENT THE PLAN, BUT TO MAKE ADJUSTMENTS AND EXPANSIONS IN THE IMPLEMENTATION AS NECESSARY TO ADAPT TO THE CONTRACTOR'S CONSTRUCTION OPERATIONS AND SCHEDULE AND TO ADDRESS EVOLVING SITE CONDITIONS AND ACTUAL WEATHER CONDITIONS.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE EMPLOYEES AND SUBCONTRACTORS ARE TRAINED REGARDING THESE REQUIREMENTS AND TO MAINTAIN RECORDS OF THE INSTALLATION, MODIFICATION, INSPECTION, AND MAINTENANCE OF STORM WATER POLLUTION PREVENTION MEASURES INCLUDING, BUT NOT LIMITED TO: TRAINING, INSPECTION, MAINTENANCE LOGS; RECORD DRAWINGS SHOWING LOCATIONS, LIMITS, AND DATES OF INSTALLATION FOR VARIOUS MEASURES; DATED PHOTOGRAPHS AND FIELD SKETCHES.

4. THE CONTRACTOR SHALL BE FAMILIAR WITH AND AGREE TO IMPLEMENT THE MEASURES AND INSTALLATIONS DEPICTED ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN INCLUDING INSTALLATION, ROUTINE INSPECTION AND MAINTENANCE, ADJUSTMENTS AND EXPANSION DUE TO EVOLVING SITE CONDITIONS, EMERGENCY MAINTENANCE AND ADJUSTMENTS DUE TO ACTUAL STORM AND SITE CONDITIONS, AND DOCUMENTATION.

VICINITY MAP

SURVEY NOTES

EXISTING TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON PER SURVEY BY ROBERT CHANLEY (CLAD CONSULTING) DATED MAY 2025.

BOUNDARY DATA:
BOUNDARY SURVEY WAS NOT IN SCOPE FOR THIS SITE SURVEY.

BASIS OF BEARINGS:
COORDINATES FOR THIS PROJECT ARE CALIFORNIA COORDINATE SYSTEM NAD83, ZONE 5, US SURVEY FEET, AS DETERMINED BY GPS OBSERVATION ON NGS MONUMENT DZ0152, DESIGNATED M 529, HAVING PUBLISHED COORDINATE VALUES OF: NORTH 2,193,791.27, EAST 5,832,369.17.

BENCHMARK:
THE BENCHMARK FOR THIS SURVEY IS AN NGS BRASS DISC IN CONCRETE ABUTMENT LOCATED AT THE NORTH-EAST CORNER OF THE HWY. 166 AND HUTTON ROAD INTERSECTION, DESIGNATED M529, SAN LUIS OBISPO COUNTY, CALIFORNIA, HAVING A NAVD 88 PUBLISHED ELEVATION OF 215.1 FEET.

(ALL EASEMENTS RESEARCHED AND LOCATED BY OTHERS. TITLE REPORT WAS NOT PROVIDED TO ASHLEY & VANCE.)

SURVEY MONUMENT PROTECTION:

PROTECT AND PRESERVE, IN PLACE, ALL SURVEY MONUMENTS AND BENCHMARKS. DO NOT DISTURB, MOVE, OR RELOCATE MONUMENTS OR BENCHMARKS WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE AGENCY HAVING JURISDICTION OVER THE MONUMENT OR BENCHMARK. THE CONTRACTOR SHALL CONTRACT WITH A LICENSED SURVEYOR FOR MONUMENTS REQUIRING DISTURBANCE OR REMOVAL, AND THE SURVEYOR SHALL RESET THE MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE AUTHORITY HAVING JURISDICTION, PURSUANT TO ALL APPLICABLE BUSINESS AND PROFESSIONAL CODES.

PROJECT INFORMATION

CLIENT:	ANDY STENSON LUCIA MAR UNIFIED SCHOOL DISTRICT 222 STANLEY AVENUE ARROYO GRANDE, CA 93420
ARCHITECT:	FINNEY ARCHITECTS 2155 SOUTH BASCOM AVENUE, SUITE 250 CAMPBELL, CA 95008 408.398.1450
GEOTECHNICAL:	EARTH SYSTEMS PACIFIC 4378 OLD SANTA FE ROAD SAN LUIS OBISPO, CA 93401 805.544.3276
STRUCTURAL:	ASHLEY & VANCE ENGINEERING 1229 CARMEL STREET SAN LUIS OBISPO, CA 93401 805.545.0010
SURVEYOR:	ROBERT CHANLEY (CLAD CONSULTING) 287 N 4TH STREET GROVER BEACH, CA 93433 805.991.7983
APN:	940-002-208
SITE AREA: AREA DISTURBED:	81 AC 0.9 AC

GRADING INFORMATION*

CUT QUANTITY:	10 CUBIC YARDS
FILL QUANTITY:	470 CUBIC YARDS
NET QUANTITY:	460 CUBIC YARDS IMPORT

*NOTE: THE ABOVE QUANTITIES ARE FOR PLANNING AND PERMITTING PURPOSES ONLY. SHRINKAGE; CONSOLIDATION AND SUBSIDENCE FACTORS; LOSSES DUE TO CLEARING AND DEMOLITION OPERATIONS; AND TRENCHING FOR UTILITIES AND FOUNDATIONS ARE NOT INCLUDED. ESTIMATED EARTHWORK QUANTITIES ARE BASED ON THE APPROXIMATE DIFFERENCE BETWEEN EXISTING GRADES AND PROPOSED FINISHED GRADES OR PAVEMENT SUBGRADES, AS INDICATED ON THE PLANS, AND SHOULD VARY ACCORDING TO THESE FACTORS AND LOSSES. THE CONTRACTOR SHALL PERFORM AN EARTHWORK ESTIMATE FOR THE PURPOSE OF PREPARING A LUMP SUM BID PRICE FOR EARTHWORK. THE BID PRICE SHALL INCLUDE COSTS FOR ANY NECESSARY IMPORT AND PLACEMENT OF EARTH MATERIALS OR THE EXPORT AND PROPER DISPOSAL OF EXCESS EARTH MATERIALS.

UTILITY PURVEYORS

ELECTRICITY:	P G & E COMPANY 406 HIGUERA ST SAN LUIS OBISPO, CA 93401 805.743.5000
NATURAL GAS:	SOUTHERN CALIFORNIA GAS COMPANY P.O. BOX C MONTEREY PARK, CA 91756 800.427.2200
TELEPHONE:	A T & T 994 MILL ST SAN LUIS OBISPO, CA 93402 800.750.2355
CABLE TV:	CHARTER COMMUNICATIONS 7775 SAN LUIS AVE ATASCADERO, CA 93422
WATER/SEWER:	NIPOMO COMMUNITY SERVICES DISTRICT 148 S WILSON STREET NIPOMO, CA 93444 805.929.1133

DIG ALERT

DIG ALERT — DIAL TOLL FREE **811** OR (1-800-422-4133) AT LEAST TWO DAYS BEFORE YOU DIG — UNDERGROUND SERVICE ALERT

PRIOR TO COMMENCING OF ANY EXCAVATION, DIGGING, POT HOLING, ETC. CALL DIG ALERT FOR ASSIGNMENT OF AN INQUIRY ID NUMBER, BECAUSE NO EARTH WORK SHALL COMMENCE UNLESS THE CONTRACTOR HAS OBTAINED THIS AND EACH UTILITY OR OWNER OF SUBSURFACE FACILITIES HAS LOCATED AND MARKED THEIR SUBSURFACE FACILITIES IN THE AREA OF WORK.

NOTE:

PRE-CONSTRUCTION MEETING REQUIRED WITH INSPECTOR. CALL MICHELLE FREEMAN SLO COUNTY AT 805-781-5707.

SCOPE OF WORK

GRADING FOR CAMPUS WALKWAYS, PAD FOR THREE CLASSROOM BUILDINGS.
245 LF OF SITE RETAINING WALL.

LEGEND

SD — SD — STORM DRAINAGE
W — W — WATER SERVICE
G — G — GAS
SS — SS — SANITARY SEWER
E — E — POWER ELECTRICAL
DITCH / FLOWLINE
GRADING LIMIT
GRADE SLOPE
PROPERTY LINE
CENTERLINE
SAWCUT

STANDARD ABBREVIATIONS

(E)	EXISTING	GB	GRADE BREAK
(P)	PROPOSED	IE	INVERT ELEVATION
AC	ASPHALTIC CONCRETE	INV	INVERT
BLDG	BUILDING	LA	LANDSCAPE AREA
BCR	BEGIN CURB RETURN	NG	NATURAL GRADE
BS	BOTTOM OF STEP	PA	PLANTER AREA
BVC	BEGIN VERTICAL CURVE	PCC	PORTLAND CEMENT CONCRETE
BW	BOTTOM OF WALL	P/L	PROPERTY LINE
CB	CATCH BASIN	POC	POINT OF CONNECTION
C/L	CENTERLINE	PS	PARKING STRIPE
CMU	CONCRETE MASONRY UNIT	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	RW	RIGHT OF WAY
DW	DRIVEWAY	SD	STORM DRAIN
ECR	END CURB RETURN	SG	SUB-GRADE ELEVATION
EG	EXISTING GRADE	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	TC	TOP OF CURB, CONCRETE
EVC	END VERTICAL CURVE	TF	TOP OF FOOTING
FFE	FINISHED FLOOR ELEVATION	TG	TOP OF GRADE
FG	FINISHED GRADE	TS	TOP OF STEP
FH	FIRE HYDRANT	TW	TOP OF WALL
FL	FLOW LINE	VC	VERTICAL CURVE
FS	FINISHED SURFACE		

SHEET INDEX

SHEET	SHEET TITLE
C-0.1	TITLE SHEET
C-0.2	NOTES SHEET
C-1.1	DEMOLITION PLAN
C-2.1	SITE PLAN
C-3.1	UTILITY PLAN
C-4.1	DETAIL SHEET
C-5.1	EROSION CONTROL PLAN

IDENTIFICATION STAMP
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APP: 03-125793 INC:
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DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED PROFESSIONAL ENGINEER — KATHLEEN ALLEN FINNEY — C73567 — CIVIL — STATE OF CALIFORNIA

ASHLEY & VANCE ENGINEERING
1229 CARMEL STREET
SAN LUIS OBISPO, CA 93401
805.545.0010
WWW.ASHLEYVANCE.COM
CIVIL • STRUCTURAL

TITLE SHEET

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: BAA
CHECKED BY: KEA
PROJECT NO: 250977
DATE: 04.12.2026

C-0.1

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GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COUNTY OF SAN LUIS OBISPO AND THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE.
2. IN THE EVENT OF A CONFLICT BETWEEN ANY REFERENCED STANDARD, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
3. STORMWATER POLLUTION PREVENTION REQUIREMENTS PER COUNTY OF SAN LUIS OBISPO AND SWRCB.
4. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. BEFORE BEGINNING WORK, CONTRACTOR SHALL CONFIRM WITH AGENCIES HAVING JURISDICTION THAT ALL REQUIRED PERMITS AND LICENSES HAVE BEEN OBTAINED AND ALL REQUIRED NOTICES GIVEN.
6. UNDERGROUND AND OVERHEAD CONSTRUCTION IN ADDITION TO WHAT IS SHOWN ON THESE PLANS MAY BE PART OF THIS PROJECT, INCLUDING ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL IMPROVEMENTS. ADDITIONAL PERMITS MAY BE REQUIRED.
   A. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK AND INTERFACING IMPROVEMENTS WITH WORK BY OTHER CONTRACTORS AT THIS JOB SITE AND WITH IMPROVEMENTS REQUIRED BY PLANS BY OTHERS.
   B. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR BUILDING AND SITE LAYOUT DIMENSIONING.
   C. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR SITE DEVELOPMENT CONSTRUCTION DETAILS AND DIMENSIONING, INCLUDING THOSE FOR BUILDINGS, PATIOS, WALKWAYS, DRIVEWAYS, WALLS/FENCES, PLUMBING, ELECTRICAL, UTILITIES, LANDSCAPING, AND IRRIGATION.
7. ALL SITE WORK AND TESTING SHALL BE DONE IN CONFORMANCE WITH THE RECOMMENDATIONS CONTAINED IN THE FOLLOWING GEOTECHNICAL ENGINEERING REPORT FOR THIS PROJECT:
   A. PREPARED BY: EARTH SYSTEMS PACIFIC; REPORT 300909-010, DATED JUNE 20, 2025.
   B. THIS REPORT AND ANY ADDENDA SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT IN THEIR ENTIRETY HEREON. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE APPLICABLE GEOTECHNICAL REPORTS. CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER TO OBTAIN OR REVIEW COPIES OF THESE REPORTS AND ADDENDA.
   C. PRIOR TO BIDDING, CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER TO DETERMINE THE LOCATION AND DEPTH OF ALL TEST BORINGS AND EXPLORATORY PITS AND EXCAVATIONS. CONTRACTOR SHALL DETERMINE FROM THE GEOTECHNICAL ENGINEER WHAT REMEDIAL WORK IS RECOMMENDED TO MAKE THESE DISTURBED LOCATIONS SUITABLE FOR THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS FOR THE RECOMMENDED REMEDIAL WORK AND SHALL ADJUST HIS OPERATIONS TO PROPERLY SEQUENCE THE WORK TO ACCOMMODATE REMEDIAL WORK WITH CONSTRUCTION OF PROPOSED IMPROVEMENTS.
8. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF CAL-OSHA AND OSHA.
9. ALL UNSUITABLE CONSTRUCTION MATERIALS AND RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE; TRANSPORTED TO A SUITABLE LOCATION, AND DISPOSED OF IN A PROPER AND LEGAL MANNER.
10. ALL WORK INVOLVING EXCAVATION, INCLUDING THAT FOR WATER, SEWER, STORM DRAIN AND UTILITY CONDUITS AND ALL SERVICE CONNECTIONS AND METER BOXES (NOT PERMITTED IN DRIVEWAYS) SHALL BE COMPLETED AND OBSERVED AND APPROVED BY THE AGENCY HAVING JURISDICTION AND THE STRUCTURAL BACKFILL OBSERVED AND TESTED FOR COMPACTION AND APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE AGGREGATE BASE, PAVING AND OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.
11. BEFORE COMMENCING EXCAVATION, CONTRACTOR SHALL CONTACT PUBLIC WORKS AND UTILITY COMPANIES OR OTHER OWNERS OF SUBSURFACE FACILITIES WITHIN THE WORK SITE AND SHALL VERIFY WHETHER OR NOT A REPRESENTATIVE WILL BE PRESENT BEFORE AND/OR DURING EXCAVATION, AND SHALL DETERMINE SITE SPECIFIC REQUIREMENTS FOR EXCAVATION.
12. CONTRACTOR SHALL NOTIFY PUBLIC WORKS, BUILDING AND SAFETY, UTILITY COMPANIES, GEOTECHNICAL ENGINEER, AND ENGINEER OF RECORD, AT LEAST 48 HOURS BEFORE START OF ANY CONSTRUCTION AND OF THE TIME AND LOCATION OF PRE-CONSTRUCTION CONFERENCE, AND SHALL DETERMINE FROM EACH PARTY THEIR SCOPE OF WORK TO BE OBSERVED AND BY WHOM, AND SCOPE OF TESTING. DURING THE COURSE OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR OBSERVATION AND TESTING AS STIPULATED PURSUANT TO ABOVE DETERMINATIONS. WORK NOT OBSERVED AND TESTED WILL BE SUBJECT TO REJECTION.
13. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING, AND/OR OTHER PROTECTION AS IS NECESSARY TO PREVENT FAILURE OF TEMPORARY EXCAVATIONS AND EMBANKMENTS AND TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS, TEMPORARY IMPROVEMENTS, AND PARTIALLY COMPLETED PORTIONS OF THE WORK. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SUFFICIENCY OF SUCH SUPPORTS AND/OR OTHER PROTECTION PER ALL REQUIREMENTS OF CAL-OSHA AND OSHA.
14. CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION BY TELEPHONE AND IN WRITING UPON DISCOVERY OF, AND BEFORE DISTURBING ANY PHYSICAL CONDITIONS DIFFERING FROM THOSE REPRESENTED BY APPROVED PLANS AND SPECIFICATIONS.
15. CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES OF CONSTRUCTION FROM THAT SHOWN ON THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION OF RECORD DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL DELIVER THIS RECORD OF ALL CONSTRUCTION CHANGES TO ENGINEER ALONG WITH A LETTER WHICH DECLARES THAT, OTHER THAN THESE NOTED CHANGES, "THE PROJECT WAS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS."
    WARNING: ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY PREPARER.
16. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT AND ACCEPTS LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.
17. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL, AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFETY.
18. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF PUBLIC AND PRIVATE PROPERTY AT OR IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO ORIGINAL CONDITION, ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS.

GENERAL GRADING NOTES:

1. GRADING SHALL BE IN CONFORMANCE WITH RECOMMENDATIONS MADE BY THE GEOTECHNICAL ENGINEER DURING OBSERVATION AND TESTING OF SITE DEMOLITION, PREPARATION, GRADING, AND DEVELOPMENT WORK. FOR ANY CONFLICT BETWEEN THESE PLANS AND THE RECOMMENDATIONS AND/OR SPECIFICATIONS OF THE GEOTECHNICAL ENGINEER, THE MORE STRINGENT PROVISION SHALL GOVERN.
2. AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION (EXCEPT TREES INDICATED TO REMAIN), INCLUDING ROOTS AND ROOT STRUCTURES, OTHER ORGANIC MATERIAL, DEBRIS, NON-COMPLYING FILL, AND OTHER MATERIAL UNSUITABLE FOR SUPPORT OF FILL AND/OR PROPOSED IMPROVEMENTS, AS RECOMMENDED BY AND UNDER THE OBSERVATION AND TESTING OF THE GEOTECHNICAL ENGINEER. CALL THE INSPECTOR FOR INITIAL INSPECTION.
3. ALL UNSUITABLE SOIL MATERIALS AND RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND GRADING OPERATIONS SHALL BE REMOVED FROM THE JOB SITE; TRANSPORTED TO A SUITABLE LOCATION AND DISPOSED OF IN A PROPER AND LEGAL MANNER.
4. AREAS TO RECEIVE FILL MATERIAL AND AREAS TO RECEIVE BUILDINGS, EXTERIOR SLABS, WALKWAYS, WALLS, PAVEMENT AND OTHER STRUCTURAL IMPROVEMENTS SHALL BE PREPARED AS RECOMMENDED BY AND UNDER THE OBSERVATION AND TESTING OF THE GEOTECHNICAL ENGINEER. RECOMMENDATIONS FOR OVER EXCAVATION, ADDITIONAL SCARIFICATION, BACKFILL AND RECOMPACTION ARE CONTAINED IN THE PROJECT GEOTECHNICAL REPORT REFERENCED IN THE GENERAL NOTES ON THESE PLANS.
5. PRIOR TO PLACEMENT OF FILL AND BACKFILL MATERIAL, THE PREPARED AREA SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR. THE GEOTECHNICAL ENGINEER SHALL ALSO OBSERVE THE AREAS TO BE FILLED. ALLOW A MINIMUM 48-HOUR NOTICE. FILL AND BACKFILL PLACED ON THE PREPARED AREA WITHOUT THE REQUIRED OBSERVATION SHALL BE REMOVED.
6. ALL FILL MATERIAL, WHETHER EXCAVATED ON-SITE OR IMPORTED FROM OFF-SITE, SHALL BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. IMPORTED FILL MATERIAL SHALL BE EQUAL TO OR BETTER IN QUALITY THAN THE ON-SITE SOILS AND SHALL CONFORM TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL TEST AND APPROVE THE SOIL PROPOSED FOR IMPORT FOR STRUCTURAL FILL PRIOR TO IMPORTATION TO THE SITE. THE LANDSCAPE ARCHITECT AND THE GEOTECHNICAL ENGINEER SHALL TEST AND APPROVE THE SOIL PROPOSED FOR IMPORT FOR LANDSCAPE AREA SURFACE MATERIAL PRIOR TO IMPORTATION TO THE SITE.
7. CONTRACTOR SHALL REFER TO THE FOLLOWING AS APPLICABLE:
   - ARCHITECT'S PLANS FOR ADDITIONAL GRADING REQUIREMENTS IN BUILDING AREAS.
   - LANDSCAPE ARCHITECT'S PLANS FOR TREE PRESERVATION REQUIREMENTS AND FOR SUBGRADE ALLOWANCES IN LANDSCAPE AREAS.
   - PUBLIC IMPROVEMENT PLANS FOR INTERFACING WITH PUBLIC GRADING, PAVING, STORM DRAINAGE AND UTILITY IMPROVEMENTS.
8. WHERE PLANTER AREAS ARE SHOWN ON THE PLANS ADJACENT TO BUILDINGS AND ARE CONTAINED BY WALKS / FLATWORK LESS THAN 8" BELOW BOTTOM OF SILL PLATE OR WHERE ADJACENT FINISH GRADE OUTSIDE A BUILDING IS SHOWN TO BE LESS THAN 8" BELOW BOTTOM OF SILL PLATE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BUILDING PLANS CALL FOR APPROPRIATE DAMPPROOF OR WATERPROOF CONSTRUCTION AND IS CONSTRUCTED IN ACCORDANCE WITH ALL BUILDING APPLICABLE CODE REQUIREMENTS.
9. PLAN ELEVATIONS SHOWN ON SOIL AND LANDSCAPED AREAS ARE FINISH GRADE (FINISH SURFACE) ELEVATIONS INTENDED TO ESTABLISH SURFACE DRAINAGE CONTROL FOR THESE AREAS. DURING GRADING OPERATIONS, THICKNESSES (SUBGRADE ALLOWANCES) SPECIFIED BY LANDSCAPE ARCHITECT FOR TURF, WOOD CHIPS, MULCH, ETC. SHALL BE SUBTRACTED FROM THESE ELEVATIONS TO ESTABLISH FINISH SUBGRADE.
10. BEFORE PLACEMENT OF AGGREGATE BASE OR SUBBASE MATERIAL IN PAVEMENT AREAS, THE SUBGRADE SOIL SHALL BE REVIEWED AND TESTED BY THE GEOTECHNICAL ENGINEER. DURING PAVING OPERATIONS, STRUCTURAL SECTION COMPACTION SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER.
11. QUALITY REVIEW AND REPORTING REQUIREMENTS.
    A. GRADING AND IMPROVEMENTS FOUND NOT IN CONFORMANCE WITH APPROVED PLANS AND DESIGN INTENT SHALL BE CORRECTED BY CONTRACTOR AT CONTRACTOR'S EXPENSE. ADDITIONAL SURVEYING TO CONFIRM ELEVATIONS AFTER CORRECTIVE MEASURES SHALL ALSO BE AT CONTRACTOR'S EXPENSE.

    REQUIREMENTS FOR VARIOUS SURFACING CONDITIONS ARE AS FOLLOWS:

    - DIRT: NOT LESS THAN 2% (1/4" PER FOOT) SLOPE IN DIRECTION OF SURFACE DRAINAGE AND 0.10 FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY LOCATION
    - A.C. PAVEMENT: NOT LESS THAN 1% (1/8 INCH PER FOOT) SLOPE IN DIRECTION OF SURFACE DRAINAGE AND 0.04 FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY LOCATION
    - CONCRETE: NOT LESS THAN 0.5% (1/16 INCH PER FOOT) SLOPE IN DIRECTION OF SURFACE DRAINAGE AND 0.02 FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY LOCATION UNLESS NOTED OTHERWISE ON PLANS.

TRENCHING AND BACKFILL NOTES:

1. ALL TRENCHING, BEDDING AND BACKFILL MATERIAL AND CONSTRUCTION, SHALL BE IN ACCORDANCE WITH THESE PLANS INCLUDING THE PIPE TRENCH DETAIL.
2. TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF BEDDING MATERIAL OR FORMS. WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE GEOTECHNICAL ENGINEER TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE GEOTECHNICAL ENGINEER AND THE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH SUITABLE MATERIAL RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
3. WATER ENCOUNTERED IN TRENCH OR STRUCTURE EXCAVATION SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO PROVIDE DRY CONDITIONS DURING CONSTRUCTION OF PIPE OR STRUCTURE.
4. BEDDING AND BACKFILL MATERIAL AND COMPACTED DENSITY, SHALL BE TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS BY THE GEOTECHNICAL ENGINEER.
5. BEDDING AND PIPE ZONE BACKFILL MATERIAL, SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY. TRENCH BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 90% OF MAXIMUM DENSITY. THE UPPER 12" BELOW THE BASE OR SUB-BASE COURSE IN PAVED AND OTHER TRAFFIC AREAS AND BELOW THE CONCRETE OR SAND COURSE IN WALKWAY AREAS SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY. BACKFILL COMPACTION SHALL BE TESTED FOR COMPLIANCE WITH THESE REQUIREMENTS IN ACCORDANCE WITH ASTM D-1557, LATEST REVISION, AND REPORTED BY THE GEOTECHNICAL ENGINEER.
6. CLASS I OR CLASS II (TRENCH) BACKFILL SHALL NOT BE PLACED UNTIL BEDDING AND INITIAL (PIPE ZONE) BACKFILL HAVE BEEN OBSERVED, TESTED AND APPROVED.
7. COMPACTION BY FLOODING OR JETTING IS NOT PERMITTED.
8. CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT(S), THE PROJECT WORK AREA AND VICINITY, AND SHALL FAMILIARIZE HIMSELF WITH THE WORK AREA CONDITIONS. CONTRACTOR SHALL MAKE HIS OWN DEDUCTIONS AND CONCLUSIONS AS TO HOW EXISTING SURFACE AND SUB-SURFACE CONDITIONS WILL AFFECT OR BE AFFECTED BY HIS CONSTRUCTION OPERATIONS, INCLUDING THE NATURE OF MATERIALS TO BE EXCAVATED. THE DEGREE OF DIFFICULTY ASSOCIATED WITH MAKING AND MAINTAINING THE REQUIRED EXCAVATIONS, AND THE DEGREE OF DIFFICULTY WHICH MAY ARISE FROM SUBSURFACE CONDITIONS INCLUDING GROUNDWATER, AND SHALL ACCEPT FULL RESPONSIBILITY THEREOF.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF EXISTING PAVEMENT ALONG AND BEHIND THE TRENCH SAWCUT LINES DURING CONSTRUCTION. IF THIS PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH, FULL LENGTH OF, AND SUFFICIENT DISTANCE (1-FOOT MINIMUM) BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND / OR IRREGULARITY ALONG THE CONFORM LINE.

DEMOLITION NOTES:

1. THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY THE AVAILABLE RECORDS PROVIDED. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES, NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO WORK OR POTHOLE TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OR PROTECTION OF ALL EXISTING UTILITY LINES.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND UNLESS NOTED OTHERWISE. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND/OR STATE LAWS AT NO COST TO THE OWNER.
3. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS, UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT AFFECTED BY THESE PLANS.
4. ALL JOIN LINES SHALL BE SAWCUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RE-CUT PRIOR TO JOINING.
5. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES, APPURTENANCES, TREES, SIGNS, STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR AT NO COST TO THE OWNER, UNLESS NOTED OTHERWISE HEREIN, OR AS DIRECTED BY THE CONSTRUCTION MANAGER.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STREETS FROM DAMAGES CAUSED BY HIS OPERATIONS. ANY CURBS DAMAGED DURING HIS OPERATIONS SHALL BE SAWCUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING PAVING IDENTIFIED AS POTENTIALLY NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
7. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.

COUNTY OF SAN LUIS OBISPO GENERAL NOTES:

EROSION CONTROL & DUST CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ALL EROSION CONTROL DEVICES AS SPECIFIED BY THE ENGINEER OF WORK OR THE COUNTY OF SAN LUIS OBISPO UNTIL SUCH TIME THAT THE PROJECT ACCEPTED AS COMPLETED BY THE GOVERNING JURISDICTION. THESE DEVICES SHALL BE IN PLACE OR BE READY TO PLACE FOR THE DURATION OF THE CONSTRUCTION PERIOD. IN THE EVENT THAT THE DEVICES ARE NOT PERMANENTLY IN PLACE, THEY SHALL BE PLACED FOR A FORECASTED QUALIFYING RAIN EVENT THAT PRODUCES 0.5 INCHES OR MORE PRECIPITATION WITH A 48 HOUR OR GREATER PERIOD BETWEEN RAIN EVENTS. AN EMERGENCY CREW SHALL BE AVAILABLE 24 HOURS PER DAY IN THE EVENT AN EROSION PROBLEM SHOULD OCCUR. A RESPONSIBLE PERSON AND THEIR PHONE NUMBER SHALL BE NAMED HERE UPON:
   NAME: TBD
   PHONE NUMBER: TBD
2. THE CONTRACTOR SHALL PROVIDE DUST CONTROL DURING ALL PHASES OF THE WORK.
3. DURING CONSTRUCTION/GROUND DISTURBING ACTIVITIES, THE APPLICANT SHALL IMPLEMENT THE FOLLOWING PARTICULATE (DUST) AND OZONE CONTROL MEASURES. THESE MEASURES SHALL BE SHOWN ON THE TRACT IMPROVEMENT PLANS. IN ADDITION, THE CONTRACTOR OR BUILDER SHALL DESIGNATE A PERSON OR PERSONS TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFF SITE. THEIR DUTIES SHALL INCLUDE HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS. THE NAME AND TELEPHONE NUMBER OF SUCH PERSONS SHALL BE PROVIDED TO THE APCD PRIOR TO COMMENCEMENT OF CONSTRUCTION.
   A. REDUCE THE AMOUNT OF DISTURBED AREA WHERE POSSIBLE;
   B. USE WATER TRUCKS OR SPRINKLER SYSTEMS IN SUFFICIENT QUANTITIES TO PREVENT AIRBORNE DUST FROM LEAVING THE SITE. INCREASED WATERING FREQUENCY WILL BE REQUIRED WHENEVER WIND SPEEDS EXCEED 15 MPH. RECLAIMED (NON-POTABLE) WATER SHOULD BE USED WHENEVER POSSIBLE;
   C. ALL DIRT STOCKPILE AREAS SHOULD BE SPRAYED DAILY AS NEEDED;
   D. PERMANENT DUST CONTROL MEASURES, SUCH AS IMPLEMENTATION OF APPROVED LANDSCAPE PLANS, SHALL BE IMPLEMENTED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF ANY SOIL DISTURBING ACTIVITIES.
   E. EXPOSED GROUND AREAS THAT ARE PLANNED TO BE REWORKED AT DATES GREATER THEN ONE MONTH AFTER INITIAL GRADING SHOULD BE SOWN WITH A FAST GERMINATING NON-AGGRESSIVE GRASS SEED (E.G., NATIVE, BARLEY) AND WATERED UNTIL VEGETATION IS ESTABLISHED;
   F. ALL DISTURBED SOIL AREAS NOT SUBJECT TO REVEGETATION MUST BE STABILIZED USING APPROVED CHEMICAL SOIL BINDERS, JUTE NETTING OR OTHER METHODS APPROVED IN ADVANCE BY APCD THAT WILL NOT HAVE A NEGATIVE IMPACT TO DOWNSTREAM CREEKS;
   G. ALL ROADWAYS, DRIVEWAYS, SIDEWALKS, ETC. TO BE PAVED SHOULD BE COMPLETED AS SOON AS POSSIBLE;
   H. ALL TRUCKS HAULING DIRT, SAND, SOIL, OR OTHER LOOSE MATERIALS ARE TO BE COVERED OR SHOULD MAINTAIN AT LEAST TWO FEET OF FREEBOARD (MINIMUM VERTICAL DISTANCE BETWEEN TOP OF LOAD AND TOP OF TRAILER) IN ACCORDANCE WITH CALIFORNIA VEHICLE CODE SECTION 23114 (THIS MEASURE HAS THE POTENTIAL TO REDUCE PM10 (PARTICULATE MATTER) EMISSIONS FROM HAUL TRUCKS BY 7 TO 14%);
   I. INSTALL WHEEL WASHERS WHERE VEHICLES ENTER AND EXIT UNPAVED ROADS ONTO STREETS, OR WASH OFF TRUCKS AND EQUIPMENT LEAVING THE SITE (THIS MEASURE HAS THE POTENTIAL TO REDUCE PM10 EMISSIONS FROM THIS SOURCE 40 TO 70%);
   J. SWEEP STREETS AT THE END OF EACH DAY IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PAVED ROADS. WATER SWEEPERS WITH RECLAIMED WATER SHOULD BE USED WHERE FEASIBLE (THIS MEASURE HAS THE POTENTIAL TO REDUCE PM10 EMISSIONS FROM THIS SOURCE 25 TO 60%);
   K. MAINTAIN EQUIPMENT IN TUNE PER MANUFACTURER'S SPECIFICATIONS;
   L. LIMIT THE CUT AND FILL PROCESS TO LESS THAN 2,000 CUBIC YARDS PER DAY.

AIR QUALITY:

1. THE CONTRACTOR OR BUILDER SHALL DESIGNATE A PERSON OR PERSONS TO MONITOR THE FUGITIVE DUST EMISSIONS AND ENHANCE THE IMPLEMENTATION OF THE MEASURES AS NECESSARY TO MINIMIZE DUST COMPLAINTS, REDUCE VISIBLE EMISSIONS BELOW 20% OPACITY, AND TO PREVENT TRANSPORT OF DUST OFF SITE. THEIR DUTIES SHALL INCLUDE HOLIDAYS AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS. THE NAME AND TELEPHONE NUMBER OF SUCH PERSONS SHALL BE PROVIDED TO THE APCD COMPLIANCE DIVISION PRIOR TO START OF ANY GRADING, EARTHWORK OR DEMOLITION.
2. AT THE TIME OF APPLICATION FOR CONSTRUCTION PERMITS, THE APPLICANT SHALL PROVIDE APCD WITH A LIST OF EQUIPMENT TO BE USED DURING CONSTRUCTION ACTIVITIES TO DETERMINE IF AN APSD PERMIT IS REQUIRED. A LIST OF EQUIPMENT THAT MAY REQUIRE A PERMIT IS IN THE ATTACHED REFERRAL RESPONSE FROM APCD. PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS, THE APPLICANT SHALL OBTAIN AN APCD PERMIT AND SHOW PROOF OF SUCH PERMIT, IF REQUIRED OR AN EXEMPTION IF NO PERMIT IS NEEDED.

TABLE 1705.6 - INSPECTION OF SOILS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTOIN	NOTES
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X		
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X	

SOILS SPECIAL INSPECTION ENGINEER: EARTH SYSTEMS PACIFIC

NAME: NICK ZOETEWEY, G.E.

PHONE: 805.544.3276

REPORT NOTES

1. ENGINEER OF RECORD TO PROVIDE A FINAL REPORT STATING THE WORK PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.
2. A SOIL OR CIVIL ENGINEER TO DETERMINE GRADING PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND IS SUITABLE TO SUPPORT THE INTENDED STRUCTURE(S).

USE OF PLANS:

THIS DRAWING IS PROVIDED IN AN ELECTRONIC FORMAT AS A COURTESY, IF REQUESTED BY THE USER. THE DELIVERY OF THE ELECTRONIC FILE DOES NOT CONSTITUTE THE DELIVERY OF OUR PROFESSIONAL WORK PRODUCT. THE SIGNED HARD COPY PREPARED FOR THE PROJECT CONSTITUTES OUR PROFESSIONAL WORK PRODUCT AND THE HARD COPY MUST BE REFERRED TO FOR THE CORRECT DESIGN INFORMATION. THESE PLANS HAVE BEEN PREPARED SOLELY FOR USE FOR THE PROJECT SCOPE AND SITE SPECIFICALLY IDENTIFIED HEREON AT THE TIME THESE PLANS ARE SIGNED. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, USE OF ANY PART OF THESE PLANS, INCLUDING ANY NOTE OR DETAIL, FOR ANY UNAPPROVED OR REVISED PROJECT SCOPE, OR FOR ANY OTHER PROJECT AT THIS OR ANY OTHER SITE. USER AGREES TO INDEMNIFY AND HOLD HARMLESS ASHLEY & VANCE FOR ALL COSTS AND DAMAGES IF USED.

USE OF ELECTRONIC INFORMATION:

ELECTRONIC INFORMATION MAY BE PROVIDED BY THE ENGINEER FOR CONVENIENCE; UNDER NO CIRCUMSTANCES SHALL DELIVERY OF ELECTRONIC FILES FOR USE BY OTHERS BE DEEMED A SALE BY THE ENGINEER AND THE ENGINEER MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL THE ENGINEER BE LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES AS A RESULT OF THE USE OR REUSE OF THE ELECTRONIC FILES BY OTHERS.

ELECTRONIC INFORMATION IS INTENDED TO PROVIDE INFORMATION SUPPLEMENTAL AND SUBORDINATE TO THE CONSTRUCTION CONTRACT DOCUMENTS. LAYOUT AND CONSTRUCTION O

APPROXIMATE EXTENTS OF DEMOLITION

APPROXIMATE EXTENTS OF DEMOLITION

PROTECT BOX IN PLACE, RESET LID TO MATCH NEW GRADING

APPROXIMATE EXTENTS OF DEMOLITION

APPROXIMATE EXTENTS OF DEMOLITION

APPROXIMATE LOCATION OF EXISTING CONDUIT TO TIE TO NEW

PROTECT BOX IN PLACE, RESET LID TO MATCH NEW GRADING

APPROXIMATE EXTENTS OF DEMOLITION

PROTECT BOX IN PLACE, RESET LID TO MATCH NEW GRADING

APPROXIMATE EXTENTS OF DEMOLITION

APPROXIMATE STORM DRAIN POINT OF CONNECTION

APPROXIMATE EXTENTS OF DEMOLITION

APPROXIMATE WATER LINE POINT OF CONNECTION. CONTRACTOR TO FIELD VERIFY CONDITION OF TEE AND PRESERVE FOR FUTURE TIE IN.

APPROXIMATE GAS LINE POINT OF CONNECTION

APPROXIMATE EXTENTS OF DEMOLITION

GENERAL NOTES:

1. ALL DEMOLITION AND GRADING SHALL BE IN COMPLIANCE WITH THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORT PREPARED BY EARTH SYSTEMS PACIFIC, FILE NO. 300909-010, DATED JUNE 20, 2025 AND ALL ADDENDA TO THE REPORT SHALL BE CONSIDERED PART OF THESE PLANS. CONTRACTOR SHALL CONTACT SOILS ENGINEER PRIOR TO START OF DEMOLITION WORK.
2. SEE ARCHITECT'S PLAN FOR ADDITIONAL DEMOLITION AND REMOVAL INFORMATION.

PROTECTION NOTES

1. PROTECT EXISTING TREE.
2. EXISTING UTILITY TO REMAIN IN PLACE. CONNECTION POINT PER UTILITY PLAN.
3. PROTECT IN PLACE EXISTING LANDSCAPING.
4. EXISTING STORM DRAIN TO PROTECT IN PLACE.
5. EXISTING CURB TO PROTECT IN PLACE.
6. PROTECT IN PLACE EXISTING CONCRETE PAVING.
7. PROTECT IN PLACE EXISTING SITE WALL.

DEMOLITION NOTES

1. REMOVE EXISTING TREE.
2. EXISTING RELOCATABLE CLASSROOM BUILDING TO BE REMOVED BY OTHERS.
3. EXISTING RELOCATABLE CLASSROOM BUILDING TO BE DEMOLISHED AS PART OF THIS CONTRACT.
4. REMOVE EXISTING GAS LINE. TO BE RE-ROUTED PER UTILITY PLAN.
5. REMOVE EXISTING STORM DRAIN.
6. REMOVE EXISTING STORM DRAIN CATCH BASIN.
7. REMOVE EXISTING UTILITY BOX.
8. ABANDON EXISTING UTILITY IN PLACE. REMOVE UTILITIES WHERE THEY INTERFERE WITH EARTHWORK.
9. REMOVE EXISTING SITE WALL.
10. REMOVE EXISTING CONCRETE TO NEAREST SCORE JOINT UNLESS OTHERWISE NOTED.
11. REMOVE EXISTING FENCE.
12. EXISTING CANOPY STRUCTURE TO BE REMOVED BY OWNER.
13. CLEAR AND GRUB.
14. REMOVE EXISTING VALLEY GUTTER / TRENCH DRAIN.
15. TRANSFORMER, CABINETS, AND PANELS REMOVED BY OWNER. DEMOLISH PULL BOXES, EQUIPMENT PADS AND ANY REMAINING CONDUIT. REFER TO ELECTRICAL PLANS.

N

HORIZONTAL SCALE: 1" = 10'

10 0 10 20

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APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

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SAN LUIS OBISPO, CA 93401
805.545.0010
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CIVIL • STRUCTURAL

DEMOLITION PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY: BAA
CHECKED BY: KEA
PROJECT NO: 250977
DATE: 04.12.2026

C-1.1

PROPOSED CLASSROOM
BUILDING 122
FINISHED FLOOR ELEVATION: 339.02'

PROPOSED CLASSROOM
BUILDING 121
FINISHED FLOOR ELEVATION: 339.22'

PROPOSED CLASSROOM
BUILDING 120
FINISHED FLOOR ELEVATION: 339.02'

RESET LID TO MATCH NEW GRADING

HORIZONTAL SCALE: 1" = 10'
10 0 10 20

N

SITE CONSTRUCTION NOTES:

1. CONSTRUCT CONCRETE FLATWORK PER ARCHITECTURAL PLANS.
2. CONSTRUCT CONCRETE STAIRS PER ARCHITECTURAL PLANS.
3. CONSTRUCT CONCRETE RAMP. CONCRETE FLATWORK AND JOINTS PER ARCHITECTURAL PLANS.
4. CONSTRUCT THICKENED CONCRETE EDGE PER ARCHITECTURAL PLANS.
5. CONSTRUCT CONCRETE RETAINING WALL PER ARCHITECTURAL PLANS.
6. CONSTRUCT CONCRETE PAD AND FENCED ENCLOSURE FOR MECHANICAL YARD. CONCRETE FLATWORK PER ARCHITECTURAL PLANS.
7. CONSTRUCT 6-INCH CONCRETE LANDSCAPE HEADER PER ARCHITECTURAL PLANS.
8. CONSTRUCT DEEPENED FOOTING PER STRUCTURAL PLANS.

STORM DRAIN CONSTRUCTION NOTES:

SD1. INSTALL 6-INCH SDR 35 STORM DRAIN PIPE PER MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS AND DETAIL 4, SHEET C-4.1.

SD2. INSTALL 12-INCH PEDESTRIAN RATED FLAT GRATE DRAIN PER DETAIL 1, SHEET C-4.1.

SD3. INSTALL 12-INCH TRAFFIC RATED FLAT GRATE DRAIN PER DETAIL 2, SHEET C-4.1.

GENERAL NOTES:

1. SEE DEMOLITION AND PROTECTION PLAN FOR ADDITIONAL INFORMATION.
2. ALL EXISTING UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR TO POTHOLE ALL POINTS OF CONNECTION AND VERIFY ALL CLEARANCES. MATERIAL DEPTH AND LOCATION SHALL BE IDENTIFIED BY CONTRACTOR. IF THERE ARE ANY DIFFERENCES FROM PLAN WITH ANY OF THESE ITEMS, ENGINEER OF WORK SHALL BE NOTIFIED IMMEDIATELY.
3. CONTRACTOR TO CONFIRM ALL GRADES ARE SET AS CALLED OUT ON PLANS TO PROMOTE OVERLAND ESCAPE AT END OF CONSTRUCTION.
4. ALL DEMOLITION AND GRADING SHALL BE IN COMPLIANCE WITH THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORT PREPARED BY EARTH SYSTEMS PACIFIC, REPORT 300909-010, DATED JUNE 20, 2025 AND ALL ADDENDA TO THE REPORT SHALL BE CONSIDERED PART OF THESE PLANS. CONTRACTOR SHALL CONTACT SOILS ENGINEER PRIOR TO START OF DEMOLITION WORK.

   CONTACT: NICK ZOETEWEY, GE PHONE: 805.544.3276

5. ALL IMPERVIOUS SURFACES SHALL BE SLOPED AWAY FROM BUILDINGS, 1% MINIMUM: FOR DRAINAGE AND 2% MAXIMUM FOR ACCESSIBILITY.

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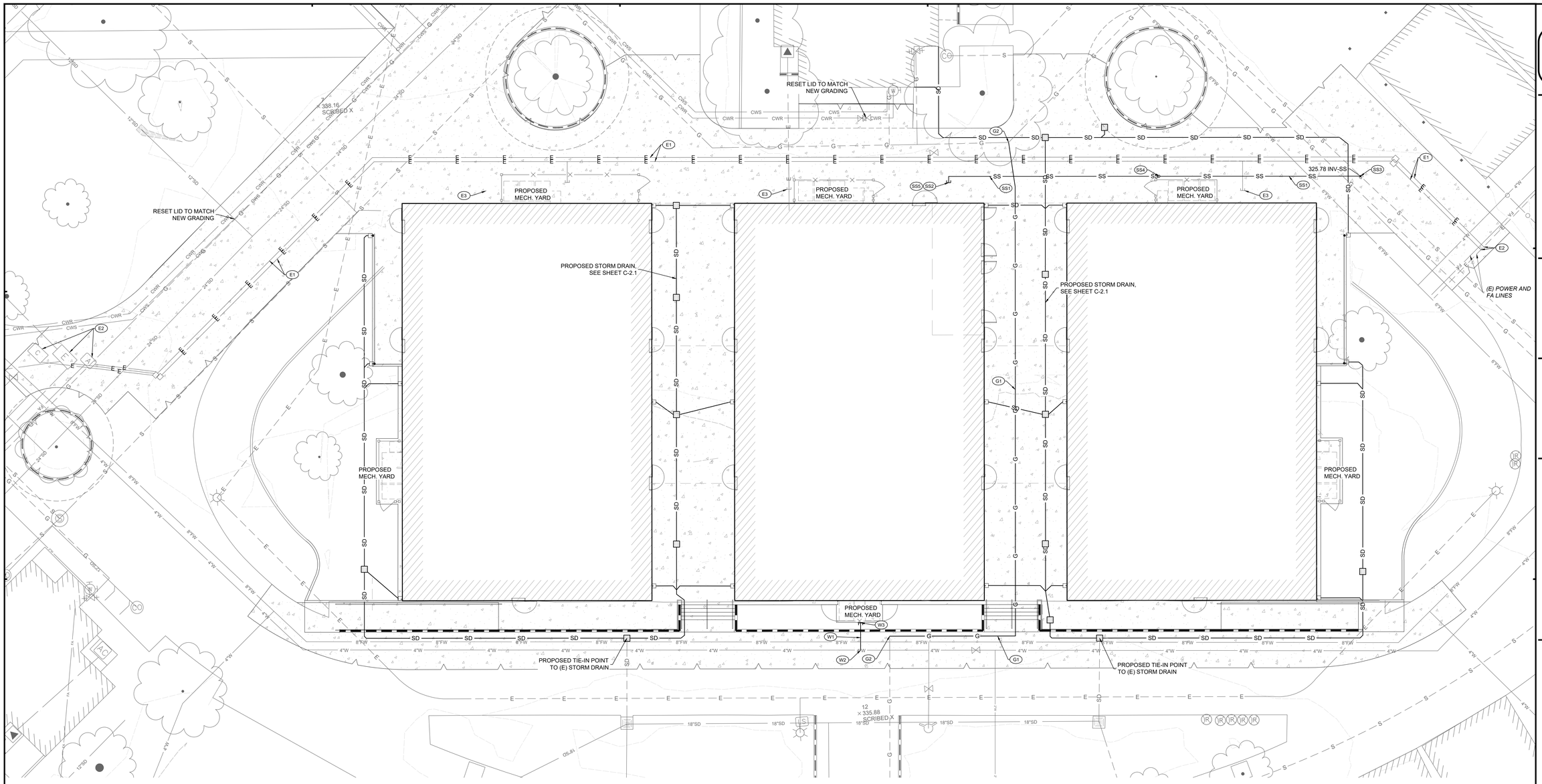
SITE PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: BAA
CHECKED BY: KEA
PROJECT NO: 250977
DATE: 04.12.2026

C-2.1



GENERAL NOTES:

ALL EXISTING UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR TO POTHOLE ALL POINTS OF CONNECTION AND VERIFY ALL CLEARANCES. MATERIAL DEPTH AND LOCATION SHALL BE IDENTIFIED BY CONTRACTOR. IF THERE ARE ANY DIFFERENCES FROM PLAN WITH ANY OF THESE ITEMS, ENGINEER OF WORK SHALL BE NOTIFIED IMMEDIATELY.

SANITARY SEWER CONSTRUCTION NOTES:

(SS1) INSTALL 6-INCH SDR-25 GASKETED SANITARY SEWER LATERAL @ 2% MIN. SANITARY SEWER TRENCH PER DETAIL 3, SHEET C-4.1.

(SS2) SEWER POINT OF CONNECTION AT BUILDING. SEE PLUMBING PLANS FOR EXACT LOCATION OF HOOKUP AT BUILDING.

(SS3) CONTRACTOR TO VERIFY LOCATION AND INVERT PRIOR TO CONSTRUCTION. VIDEO INSPECTION OF LATERAL TO EVALUATE EXISTING CONDITION. LATERAL TO BE REPLACED IF FOUND UNSATISFACTORY.

(SS4) INSTALL SANITARY SEWER CLEANOUT PER DETAIL 8, SHEET C-4.1.

(SS5) INSTALL TWO-WAY SANITARY SEWER CLEANOUT PER DETAIL 7, SHEET C-4.1.

WATER CONSTRUCTION NOTES:

(W1) INSTALL 2-INCH WATER SERVICE. WATER LATERAL TRENCH PER DETAIL 5, SHEET C-4.1. SEE MECHANICAL PLANS FOR SIZE FROM METER TO BUILDING. IF NEW TEE IS NEEDED AT EXISTING LINE, INSTALL NEW COUPLING.

(W2) CONTRACTOR TO VERIFY LOCATION AND INVERT PRIOR TO CONSTRUCTION. POINT OF CONNECTION OF LATERAL TO EXISTING WATER LINE. RE-USE EXISTING TEE, VERIFY IT IS 2-INCH.

(W3) WATER POINT OF CONNECTION AT BUILDING. SEE PLUMBING PLANS.

GAS CONSTRUCTION NOTES:

(G1) INSTALL GAS DISTRIBUTION LINE. SPECIFICATIONS TO BE COORDINATED WITH UTILITY PROVIDER AND MECHANICAL ENGINEER.

(G2) CONTRACTOR TO VERIFY LOCATION AND INVERT PRIOR TO CONSTRUCTION. POINT OF CONNECTION OF LATERAL TO EXISTING GAS LINE.

ELECTRICAL CONSTRUCTION NOTES:

(E1) EXISTING UNDERGROUND ELECTRICAL AND COMMUNICATION LINES, REFER TO ELECTRICAL DRAWINGS.

(E2) APPROXIMATE TIE-IN LOCATION. SHOWN HERE FOR CONVENIENCE AND COORDINATION ONLY. SEE ELECTRICAL PLANS.

(E3) ELECTRICAL CONNECTION POINT AT BUILDING. SHOWN HERE FOR CONVENIENCE AND COORDINATION ONLY. SEE ELECTRICAL PLANS.

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HORIZONTAL SCALE: 1" = 10'
10 0 10 20

IDENTIFICATION STAMP
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APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
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CAMPBELL, CA 95008
PHONE: 408-398-1450

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KATHLEEN ALLWEIN
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1229 CARMEL STREET
SAN LUIS OBISPO, CA 93401
805.545.0010
WWW.ASHLEYVANCE.COM
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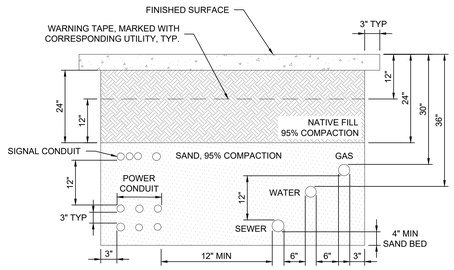
UTILITY PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

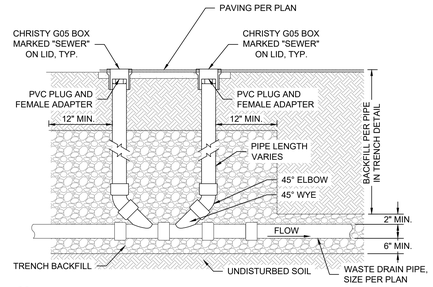
REVISIONS
NO. ITEM DATE

DRAWN BY: BAA
CHECKED BY: KEA
PROJECT NO: 250977
DATE: 04.12.2026

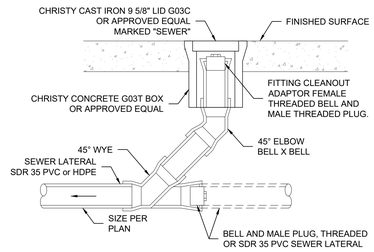
C-3.1



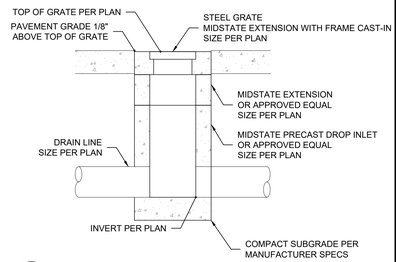
6 TYP. JOINT TRENCH DETAIL
NTS



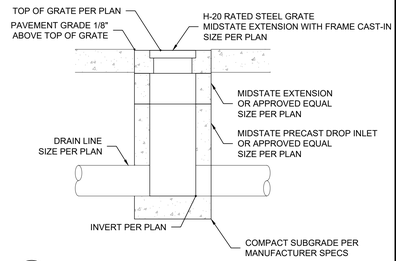
7 TWO-WAY SANITARY SEWER CLEANOUT DETAIL
NTS



8 TRAFFIC SEWER CLEANOUT DETAIL
NTS



1 PEDESTRIAN FLAT INLET DETAIL
NTS



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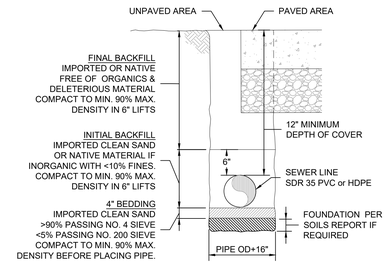
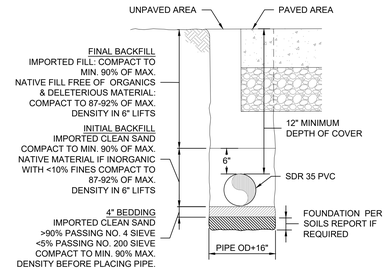
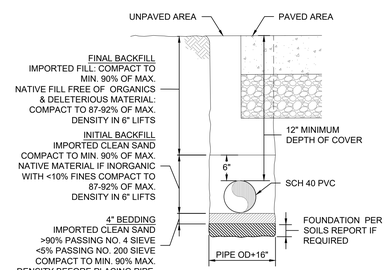


3 SEWER LATERAL TRENCH SECTION DETAIL
NTS



4 STORM DRAIN TRENCH DETAIL
NTS



5 WATER LATERAL TRENCH SECTION DETAIL
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DETAIL SHEET

NEW CLASSROOM BUILDINGS AT
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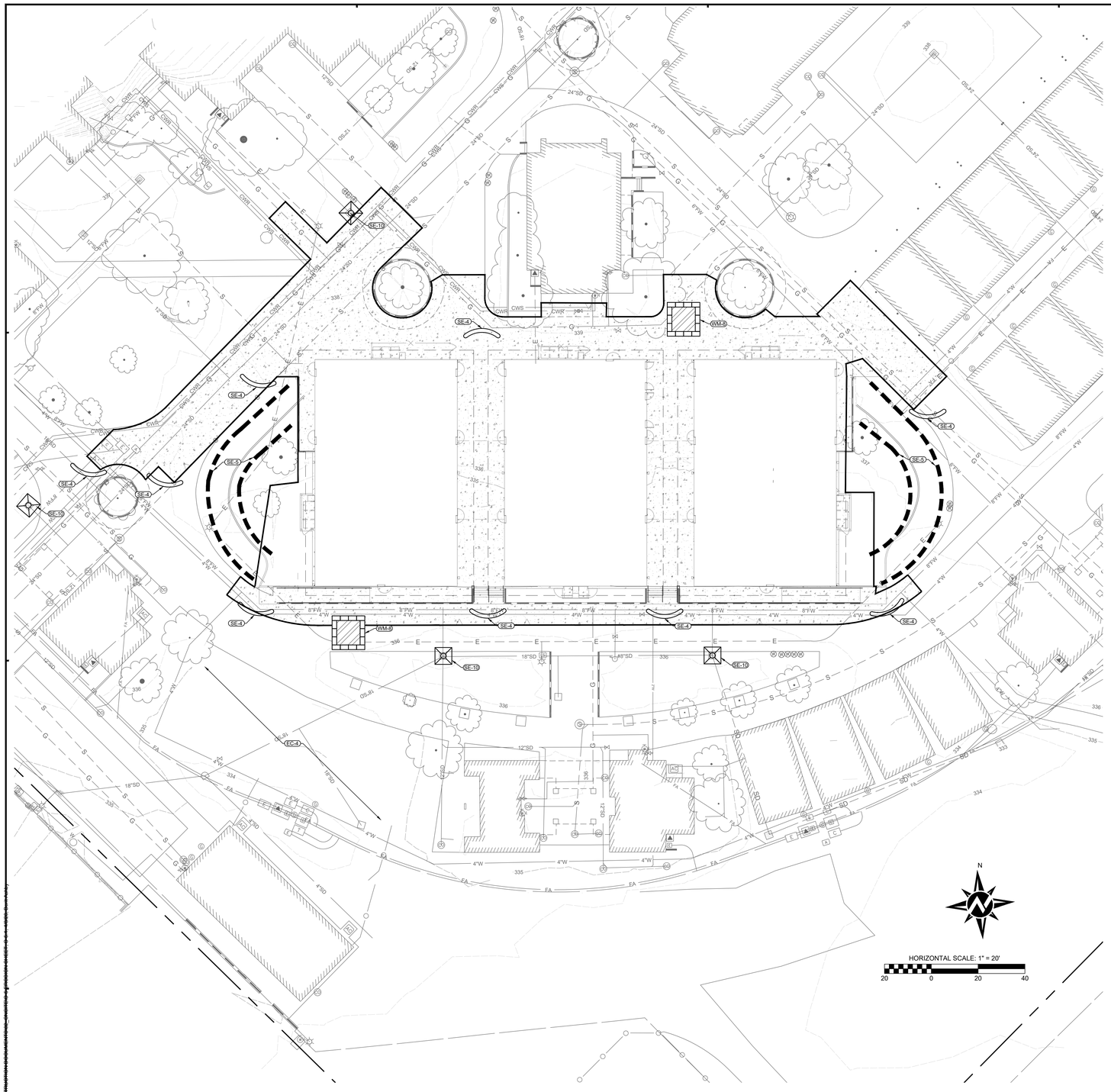
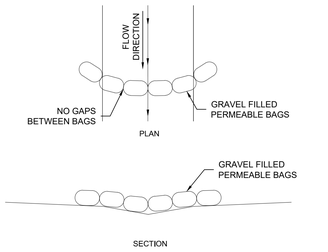
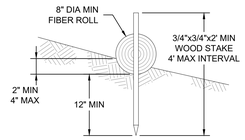




SE-4 SWALE CHECK DAM DETAIL

NTS



SE-5 STRAW WATTLE DETAIL

NTS

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES FOR WIND, WATER, MATERIAL STOCKPILES, AND TRACKING SHALL BE IMPLEMENTED ON ALL PROJECTS AT ALL TIMES AND SHALL INCLUDE SOURCE CONTROL, INCLUDING PROTECTION OF STOCKPILES, PROTECTION OF SLOPES, PROTECTION OF ALL DISTURBED AREAS, PROTECTION OF ACCESSES, AND PERIMETER CONTAINMENT MEASURES. EROSION CONTROL SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF GRADING AND SITE DISTURBANCE ACTIVITIES UNLESS THE PUBLIC WORKS DEPARTMENT DETERMINES TEMPORARY MEASURES TO BE UNNECESSARY BASED UPON LOCATION, SITE CHARACTERISTICS OR TIME OF YEAR. THE INTENT OF EROSION CONTROL MEASURES SHALL BE TO KEEP ALL GENERATED SEDIMENTS FROM ENTERING A SWALE, DRAINAGE WAY, WATERCOURSE, ATMOSPHERE, OR MIGRATE ONTO ADJACENT PROPERTIES OR ONTO THE PUBLIC RIGHT-OF-WAY.
2. SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SHALL BE CONDUCTED AND DOCUMENTED AT ALL TIMES DURING CONSTRUCTION AND ESPECIALLY PRIOR TO, DURING, AND AFTER RAIN EVENTS.
3. THE OWNER, OR OWNER'S REPRESENTATIVE, SHALL BE RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES AS SPECIFIED BY THE APPROVED PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE BY THE AUTHORITY HAVING JURISDICTION OR UNTIL RELEASED FROM THE CONDITIONS OF APPROVAL OF THEIR GENERAL PERMIT. EROSION CONTROL MEASURES/DEVICES MAY BE RELOCATED, DELETED OR ADDITIONAL MEASURES/DEVICES MAY BE REQUIRED DEPENDING ON THE ACTUAL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THEIR DISCRETION OVER THE LIFE OF THE PROJECT TO PREVENT THE RUNOFF OF SEDIMENT AND POLLUTANTS FROM THE PROJECT SITE. ADDITIONAL EROSION CONTROL MEASURES/DEVICES SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER OF WORK, INSPECTOR, QUALIFIED SWPPP PRACTITIONER (QSP) (IF A SWPPP IS IN PLACE FOR THE PROJECT), OR RWQCB INSPECTOR. GUIDELINES FOR DETERMINING APPROPRIATE EROSION CONTROL DEVICES SHALL BE INCLUDED IN THE PLANS WITH ADDITIONAL MEASURES/DEVICES NOTED FROM THE APPENDIX OF THE PUBLIC IMPROVEMENT STANDARDS.
4. WET WEATHER EROSION CONTROL MEASURES/DEVICES SHALL BE AVAILABLE, INSTALLED, AND/OR APPLIED ANYTIME WHEN THE RAIN PROBABILITY EXCEEDS 30%.
5. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE TO REVIEW THE PROJECT SITE PRIOR TO WET WEATHER CONDITIONS AND TO COORDINATE AN IMPLEMENTATION PLAN FOR WET WEATHER EROSION CONTROL DEVICES. A LOCALLY BASED STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES WHEN RAIN IS FORECASTED WITH A PROBABILITY GREATER THAN 50%. NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCK PILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OR MAINTENANCE OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
6. IN THE EVENT OF A FAILURE, THE DEVELOPER AND/OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR CLEANUP AND ALL ASSOCIATED COSTS OR DAMAGE. IN THE EVENT THAT DAMAGE OCCURS WITHIN THE RIGHT-OF-WAY AND THE COUNTY IS REQUIRED TO PERFORM CLEANUP, THE OWNER SHALL BE RESPONSIBLE FOR REIMBURSEMENT OF ALL ASSOCIATED COSTS OR DAMAGE.
7. IN THE EVENT OF FAILURE AND/OR LACK OF PERFORMANCE BY THE OWNER AND/OR CONTRACTOR TO CORRECT EROSION CONTROL RELATED PROBLEMS, THE PUBLIC WORKS DEPARTMENT MAY REVOKE ALL ACTIVE PERMITS AND RECOMMEND THAT CODE ENFORCEMENT PROVIDE A WRITTEN NOTICE OR STOP WORK ORDER IN ACCORDANCE WITH THE LAND USE ORDINANCE.
8. PERMANENT EROSION CONTROL SHALL BE PLACED AND ESTABLISHED WITH 90% COVERAGE ON ALL DISTURBED SURFACES OTHER THAN PAVED OR GRAVEL SURFACES, PRIOR TO FINAL INSPECTION. PERMANENT EROSION CONTROL SHALL BE FULLY ESTABLISHED PRIOR TO FINAL ACCEPTANCE. TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT MEASURES ARE ESTABLISHED.
9. THE AIR POLLUTION CONTROL DISTRICT (APCD) MAY HAVE ADDITIONAL PROJECT SPECIFIC EROSION CONTROL REQUIREMENTS. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE FOR MAINTAINING SELF-REGULATION OF THESE REQUIREMENTS.

BMP SELECTION & LEGEND:

BMP'S SPECIFIED ON THIS PLAN REFERENCE THE AUGUST 2023 EDITION OF THE CASQA "CALIFORNIA STORMWATER HANDBOOK". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN BMP DETAILS AVAILABLE AT WWW.CASQA.ORG.

THE FOLLOWING BMPS ARE NOT SHOWN IN SPECIFIC LOCATIONS ON THIS PLAN AND ARE APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL INCORPORATE THESE BMPS INTO THE PROJECT SCOPE:

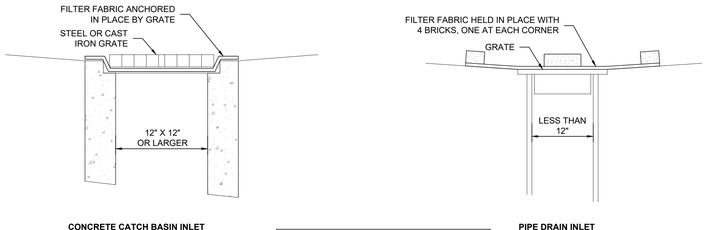
- EC-1 PROJECT SCHEDULING
- EC-2 PRESERVATION OF EXISTING VEGETATION
- NS-1 WATER CONSERVATION
- NS-3 PAVING AND GRINDING
- NS-6 DISCHARGE REPORTING
- NS-7 POTABLE WATER / IRRIGATION
- NS-8 VEHICLE CLEANING
- NS-9 VEHICLE FUELING
- NS-10 VEHICLE MAINTENANCE
- WE-1 WIND EROSION CONTROL

THE FOLLOWING BMPS SHALL BE USED IN THE CONTRACTOR STAGING AREA:

- WM-1 MATERIAL STORAGE
- WM-2 MATERIAL USAGE
- WM-3 STOCK PILE MANAGEMENT
- WM-4 SPILL PREVENTION KIT
- WM-5 SOLID WASTE (TRASH)
- WM-8 CONCRETE WASTE (WASH OUT), SEE DETAIL WM-8, THIS SHEET
- WM-9 SEPTIC / SANITARY FACILITIES

THE FOLLOWING BMPS ARE SPECIFIED ON THIS PLAN AND ARE TO BE INSTALLED OR CONSTRUCTED PER DETAIL REFERENCES:

- EC-4 HYDROSEEDING
- SE-4 CHECK DAM, SEE DETAIL SE-4, THIS SHEET
- SE-5 STRAW WATTLE, SEE DETAIL SE-5, THIS SHEET
- SE-7 STREET SWEEPING AND VACUUMING
- SE-10 STORM DRAIN INLET PROTECTION, SEE DETAIL SE-10, THIS SHEET



SILT TRAPS SHALL BE MAINTAINED AND CLEANED BY CONTRACTOR DURING RAINFALL AS NECESSARY TO MAINTAIN INFLOW TO BASIN

SE-10 INLET PROTECTION DETAIL

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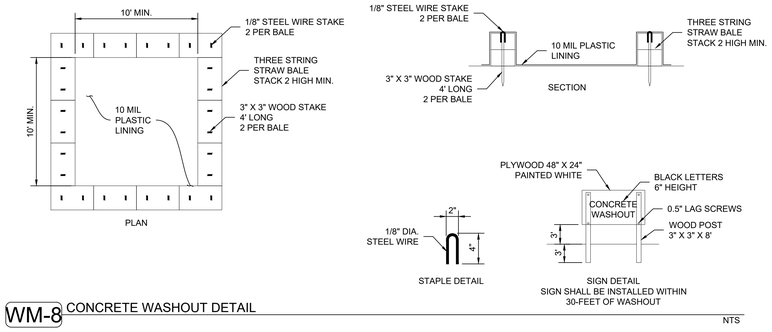

WM-8 CONCRETE WASHOUT DETAIL

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EROSION CONTROL PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY:	BAA
CHECKED BY:	KEA
PROJECT NO:	DATE:
250977	04.12.2026

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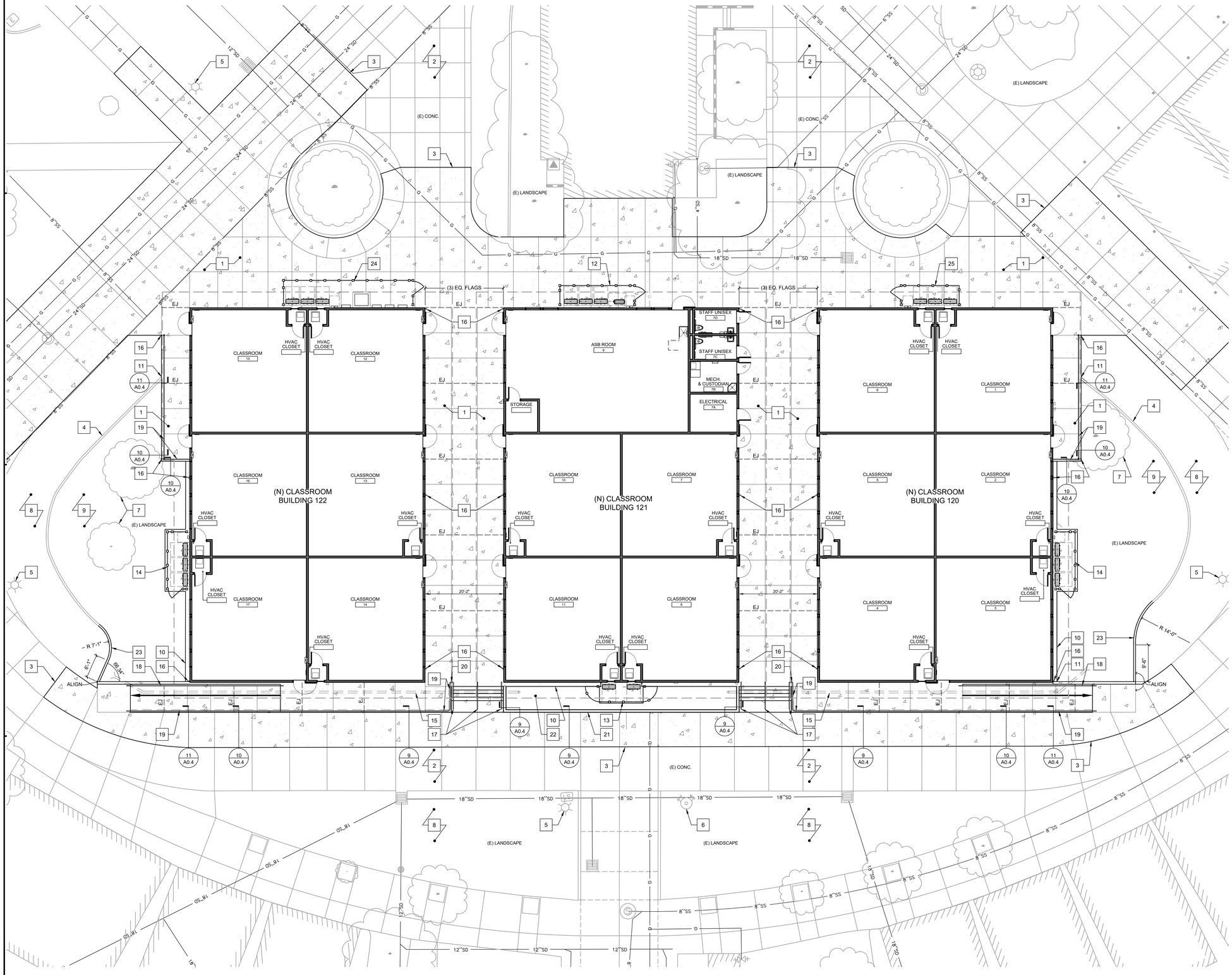

1 NEW SITE PLAN

1" = 10'-0"

0 2.5' 5' 10' 20' 30'

NORTH

GENERAL NOTES

A. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM DRAWINGS FOR EXTENT OF OTHER RELATED WORK.

B. CONTRACTOR TO VERIFY PORTABLE BUILDING NUMBERS WITH THE DISTRICT PRIOR TO SIGNAGE.

C. CONTRACTOR TO VERIFY ALL BARRIERS IN P.O.T. HAVE BEEN REMOVED.

SITE CONSTRUCTION NOTES

1. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE. CONTRACTOR SHALL NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS WITHOUT CONSULTING THE ARCHITECT. CONTRACTOR SHALL REVIEW ALL DIMENSIONS FOR ACCURACY PRIOR TO CONSTRUCTION.
2. ALL EXISTING UTILITIES ARE SHOWN BASED ON MOST RECENT INFORMATION AVAILABLE. IF ANY UTILITIES ARE DISCOVERED THAT ARE NOT INDICATED, OR DIFFER THAN INDICATED HERE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY. ANY DISCREPANCIES SHALL BE NOTED ON ASBUILT DRAWINGS.
3. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES WITH A LOCATING SERVICE PRIOR TO STARTING CONSTRUCTION.
4. THE CONTRACTOR SHALL CUT AND FILL AS REQUIRED TO ACHIEVE FINISHED GRADES INDICATED ON PLAN, IMPORTING OR OFF-HAULING AS REQUIRED.
5. THE CONTRACTOR SHALL VERIFY ALL GRADES IN THE FIELD AND VERIFY THAT ALL SLOPES SHOWN ON DRAWING WILL BE ATTAINABLE.
6. THE CONTRACTOR SHALL PROTECT EXISTING LANDSCAPE AREAS ADJACENT TO THE WORK AREA, AND REPAIR AND REGRADE ALL LANDSCAPE AREAS, INCLUDING IRRIGATION LINES, AFFECTED BY WORK.
7. EXTENTS OF PAVING REPAIR FOR TRENCHING & EXCAVATION RELATED TO ALL OTHER TRADES HAS BEEN SHOWN ON THIS PLAN FOR CONVENIENCE, HOWEVER THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REPAIR OF SITE PAVING, CURBS, WALLS, AND OTHER HARDSCAPE AS NECESSARY FOR ENTIRE PROJECT SCOPE, REGARDLESS IF INDICATED HERE.
8. THE CONTRACTOR SHALL ENSURE ALL SURFACES PROVIDE POSITIVE DRAINAGE TO DRAIN INLETS AND AWAY FROM BUILDINGS: 2% MIN. FOR EARTH/GRAVEL AREAS, AND 1% MIN. FOR PAVED AREAS. ARCHITECT SHALL BE NOTIFIED OF ANY ISSUES THAT ARISE WHICH PREVENT OR RESTRICT POSITIVE DRAINAGE.
9. REQUIRED UTILITY SHUTDOWNS SHALL BE COORDINATED 72 HOURS IN ADVANCE WITH ARCHITECT/OWNER.
10. ALL EXISTING UTILITY BOXES AND STRUCTURES IN AREAS OF WORK SHALL BE RESET TO NEW FINISHED GRADE. IF DAMAGED, THEY SHALL BE REPLACED.
11. ALL IMPERVIOUS SURFACES SHALL BE SLOPED AWAY FROM BUILDINGS MIN. 1% FOR DRAINAGE AND MAX. 2% FOR ACCESSIBILITY, TYP.

NEW SITE PLAN NOTES

1. NEW CONCRETE PAVING, SEE DETAILS 1 & 2/A0.3
2. EXISTING CONCRETE TO REMAIN.
3. FLUSH TRANSITION TO EXISTING PAVING.
4. EXISTING CONCRETE HEADER TO REMAIN.
5. EXISTING LIGHT FIXTURE TO REMAIN, TYP.
6. EXISTING FIRE HYDRANT TO REMAIN, TYP.
7. EXISTING TREE, PROTECT IN PLACE.
8. EXISTING TURF, PROTECT IN PLACE.
9. EXISTING LANDSCAPE, PROTECT IN PLACE.
10. HEADER AT BUILDING WALL, SEE DETAIL 7/A0.3
11. SAWCUT/PATCH HEADER AT NEW IMPROVEMENTS.
12. HVAC ENCLOSURE WITHIN PAVED AREA W/ 4 UNITS, SEE DETAIL 10/A0.3
13. FENCED 2-UNIT HVAC ENCLOSURE, SEE DETAIL 12/A0.3
14. FENCED 3-UNIT HVAC ENCLOSURE, SEE DETAIL 11/A0.3
15. (2) 1" SCH 40 IRRIGATION PIPES FOR FUTURE, STUB UP INTO PLANTING AREAS.
16. DOWNSPOUT CONNECTION TO STORM DRAIN, SEE DETAIL 6/A0.3 AND CIVIL DRAWINGS.
17. STAIR HANDRAIL, SEE DETAIL 5/A0.4
18. RAMP HANDRAIL, SEE DETAIL 3/A0.4
19. GUARDRAIL, SEE DETAIL 8/A0.4
20. GUARDRAIL CONNECTION TO STAIR HANDRAIL PER DETAIL 6/A0.4
21. SITE RETAINING WALL, SEE DETAILS ON SHEET A0.4
22. PLANTING AREA.
23. CONCRETE LANDSCAPE HEADER, SEE DETAIL 5/A0.3
24. HVAC AND TRANSFORMER ENCLOSURE WITHIN PAVED AREA, SEE DETAIL 17/A0.3
25. HVAC ENCLOSURE WITHIN PAVED AREA W/ 3 UNITS, SEE DETAIL 20/A0.3.

GRAPHIC KEY

- ROOF OVERHANG
- DECORATIVE FENCE
- SD (E) STORM DRAIN
- SS (E) SANITARY SEWER
- G (E) GAS LINE
- E (E) ELECTRICAL LINE
- (E) CONCRETE PAVING
- (E) BUILDING
- EJ NEW CONCRETE PAVING
  - EXPANSION JOINT
  - TOOLED SCORE JOINT

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LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

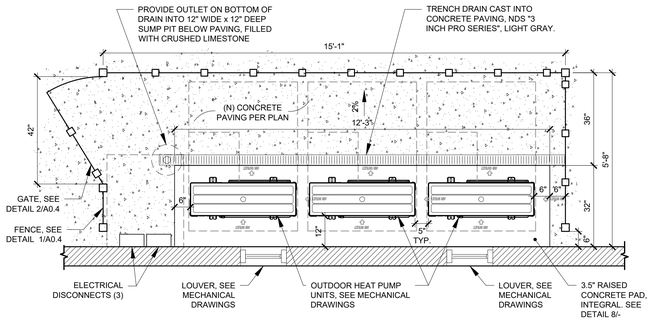
NEW SITE PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

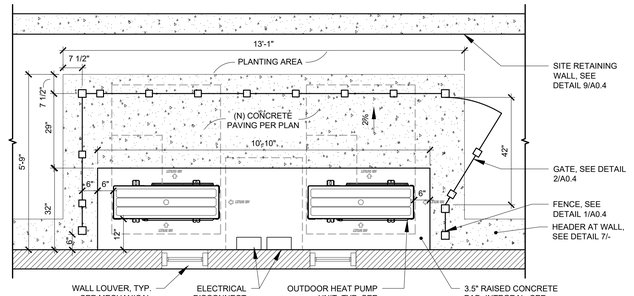
DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A0.2



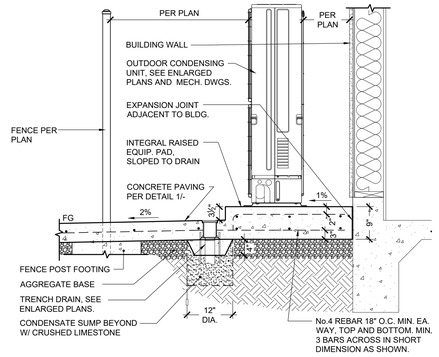
20 CONDENSING UNIT ENCLOSURE - 3-UNIT AT BUILDING 120

WITHIN PAVED AREA WITH TRENCH DRAIN — 1/2"=1'-0"



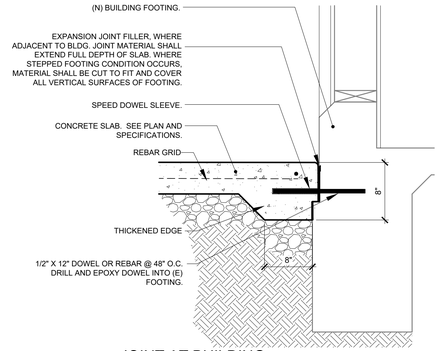
12 CONDENSING UNIT ENCLOSURE - 2-UNIT AT BUILDING 121

WITHIN LANDSCAPE AREA — 1/2"=1'-0"

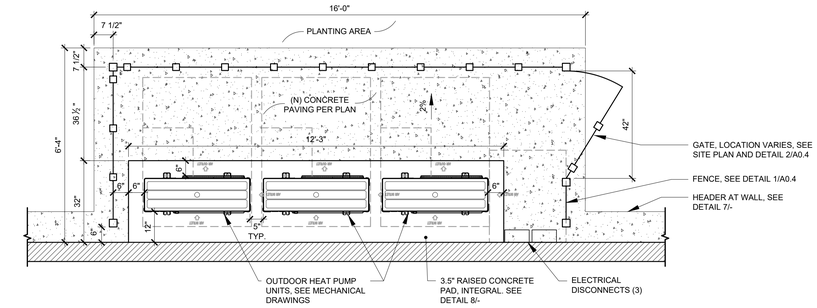


8 CONDENSING UNIT ENCLOSURE

SECTION @ PAVING AREA — 3/4"=1'-0"

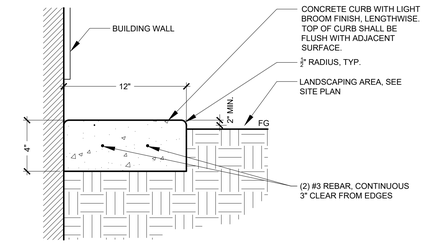


JOINT AT BUILDING



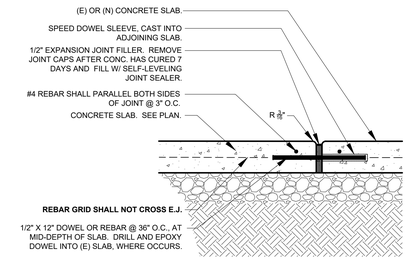
11 CONDENSING UNIT ENCLOSURE - 3-UNIT AT BUILDINGS 120 & 122

WITHIN LANDSCAPE AREA — 1/2"=1'-0"

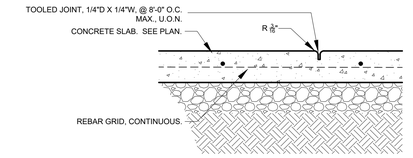


7 CONCRETE HEADER

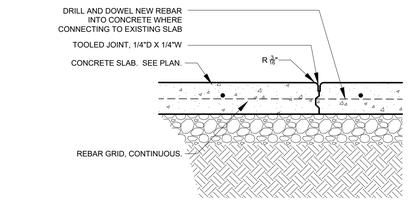
AT BUILDING EDGE/PLANTING AREA — N.T.S



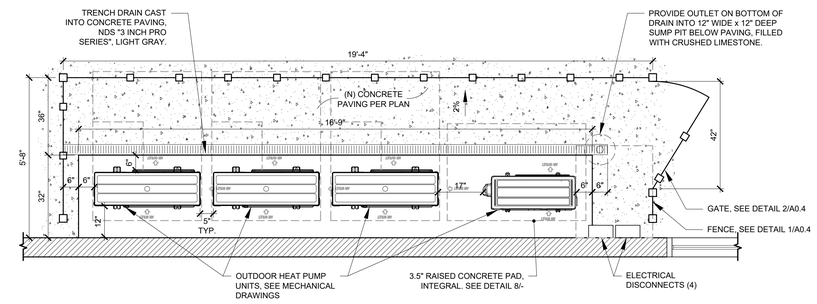
EXPANSION JOINT



TOOLED JOINT

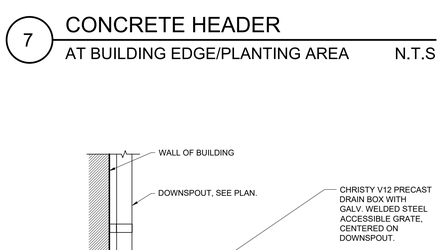


CONSTRUCTION JOINT / TO EXISTING SLAB



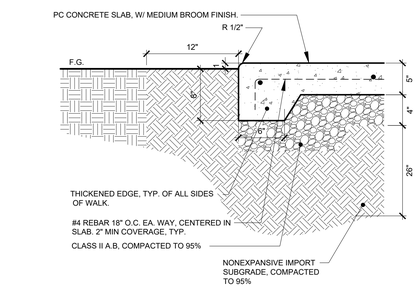
10 CONDENSING UNIT ENCLOSURE - 4-UNIT AT BUILDING 121

WITHIN PAVED AREA WITH TRENCH DRAIN — 1/2"=1'-0"



6 CATCH BASIN AT DOWNSPOUT

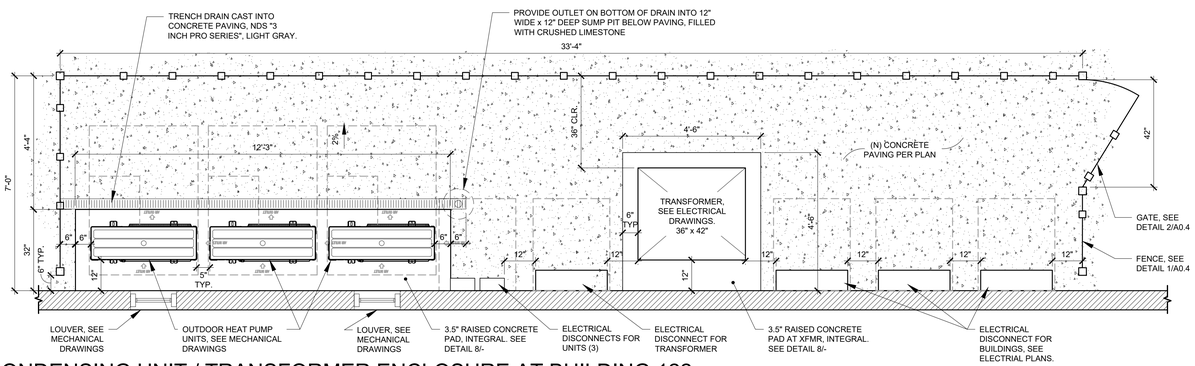
1"=1'-0"



NOTE:
SEE CONCRETE PAVING JOINTS DETAIL FOR TYPES AND LOCATION.

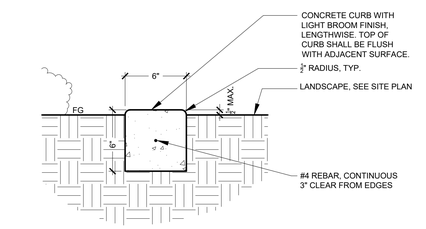
2 CONCRETE PAVING JOINTS

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



17 CONDENSING UNIT / TRANSFORMER ENCLOSURE AT BUILDING 122

WITHIN PAVED AREA WITH TRENCH DRAIN — 1/2"=1'-0"



5 CONCRETE CURB

AT LANDSCAPE AREA — N.T.S

1 CONCRETE PAVING

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

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APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE, SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
No. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

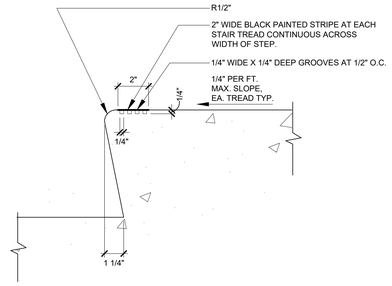
SITE DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042 DATE: DSA BACKCHECK - 04/24/26

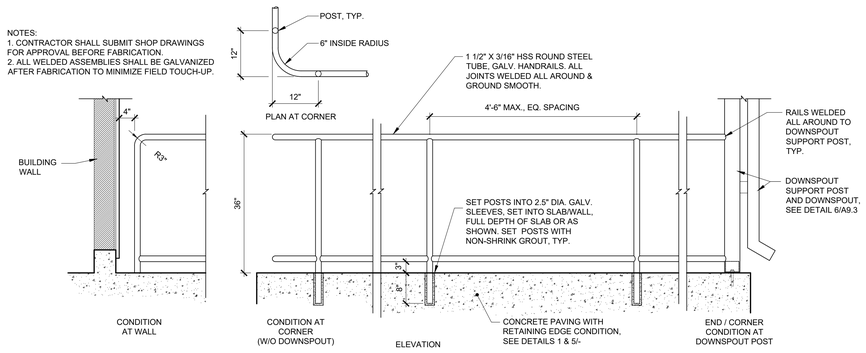
A0.3



12 TREAD NOSING AT NEW STEPS

3"=1'-0"

NOTES:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.
2. ALL WELDED ASSEMBLIES SHALL BE GALVANIZED AFTER FABRICATION TO MINIMIZE FIELD TOUCH-UP.



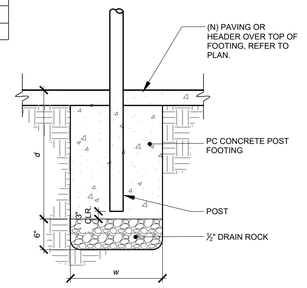
8 GUARDRAIL/HANDRAIL

AT DROPOFF HEIGHT <30" 3/4"=1'-0"

NOTE: ELEMENT IS NOT PART OF DSA SS, OR FLS REVIEW AND PER DSA IR A-22 2.1.1 AND IR A-22 APPENDIX A, ELEMENT DESCRIPTION A9.

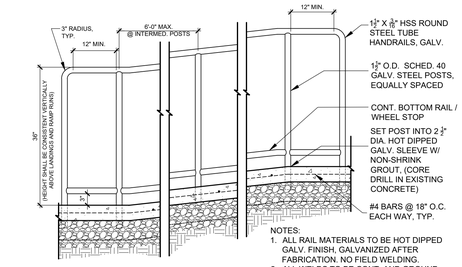
FENCE FOOTING SCHEDULE - 72" HIGH

	END POSTS GATE POSTS	LINE POSTS
d	36"	30"
w	18"	18"



7 FENCE FOOTING & HEADER

SCALE: NTS

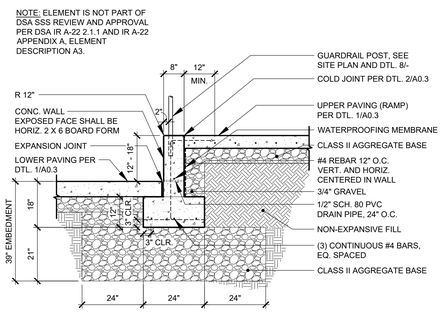


NOTES:
1. ALL RAIL MATERIALS TO BE HOT DIPPED GALV. FINISH, GALVANIZED AFTER FABRICATION. NO FIELD WELDING.
2. ALL WELDS TO BE CONT. AND GROUND SMOOTH.

3 HANDRAIL AT CONCRETE RAMP

FREE STANDING CONDITION 3/4"=1'-0"

NOTE: ELEMENT IS NOT PART OF DSA SSS REVIEW AND APPROVAL PER DSA IR A-22 2.1.1 AND IR A-22 APPENDIX A, ELEMENT DESCRIPTION A3.



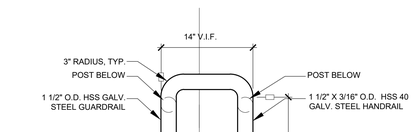
11 EDGE OF RAMP / PAVING

0" - 12" HEIGHT CONDITION 1/2"=1'-0"

NOTE: ELEMENT IS NOT PART OF DSA SSS REVIEW AND APPROVAL PER DSA IR A-22 2.1.1 AND IR A-22 APPENDIX A, ELEMENT DESCRIPTION A3.

10 EDGE OF RAMP / PAVING

12" - 18" HEIGHT CONDITION 1/2"=1'-0"

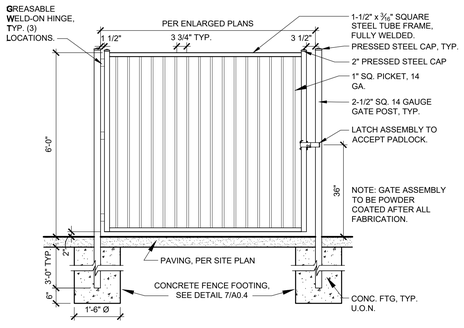


NOTES:
1. ALL RAIL MATERIALS TO BE HOT DIPPED GALV. FINISH, GALVANIZED AFTER FABRICATION. NO
2. ALL WELDS TO BE CONT. AND GROUND SMOOTH.

6 STAIR HANDRAIL TO GUARDRAIL

TOP VIEW 1-1/2"=1'-0"

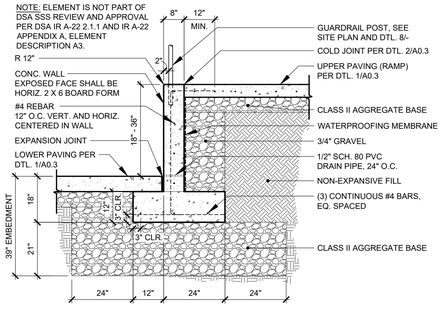
NOTE: ELEMENT IS NOT PART OF DSA SSS REVIEW AND APPROVAL PER DSA IR A-22 2.1.1 AND IR A-22 APPENDIX A, ELEMENT DESCRIPTION A9.



2 SINGLE MAINTENANCE GATE W/ LATCH

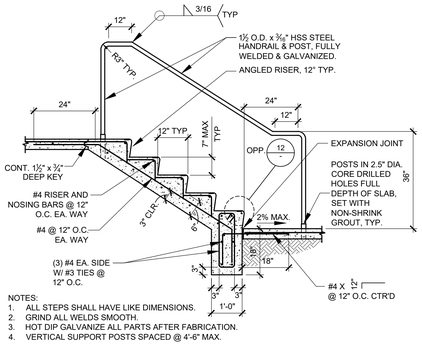
AT DECORATIVE FENCE 1/2"=1'-0"

NOTE: ELEMENT IS NOT PART OF DSA SSS REVIEW AND APPROVAL PER DSA IR A-22 2.1.1 AND IR A-22 APPENDIX A, ELEMENT DESCRIPTION A9.



9 SITE RETAINING WALL / EDGE OF RAMP

18" - 36" HEIGHT CONDITION 1/2"=1'-0"

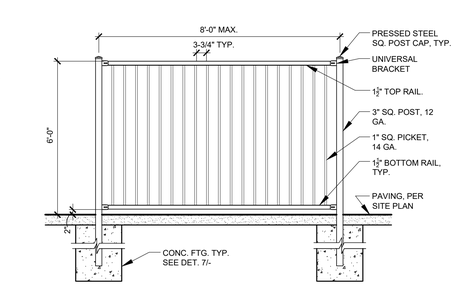


NOTES:
1. ALL STEPS SHALL HAVE LIKE DIMENSIONS.
2. GRIND ALL WELDS SMOOTH.
3. HOT DIP GALVANIZE ALL PARTS AFTER FABRICATION.
4. VERTICAL SUPPORT POSTS SPACED @ 4'-6" MAX.

5 STAIRS & HANDRAIL

1/2"=1'-0"

NOTE: ELEMENT IS NOT PART OF DSA SSS REVIEW AND APPROVAL PER DSA IR A-22 2.1.1 AND IR A-22 APPENDIX A, ELEMENT DESCRIPTION A9.



1 DECORATIVE FENCE

1/2"=1'-0"

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FINNEY ARCHITECTS
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SITE DETAILS

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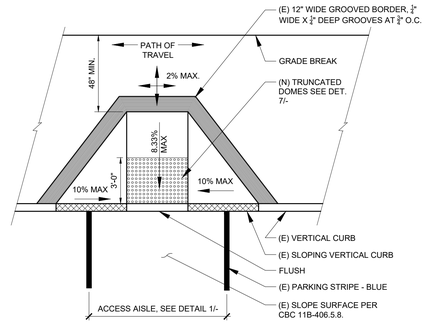
REVISIONS
NO. ITEM DATE

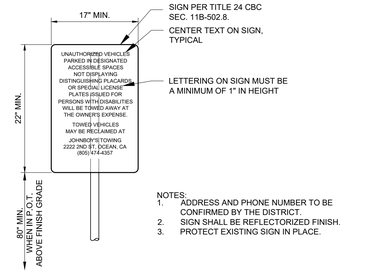
DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A0.4



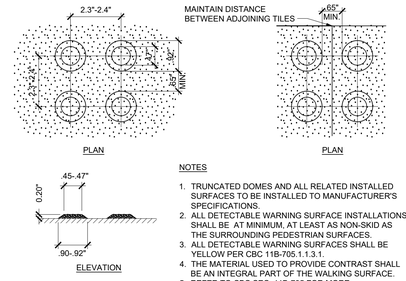
8 ACCESSIBLE CURB RAMP

DSA# 01-103016 — 1/4"=1'-0"



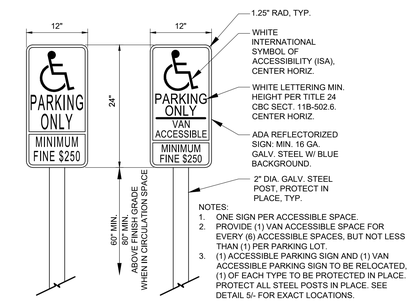
4 EXISTING ENTRY WARNING SIGN

DSA #01-103016 — 1"=1'-0"



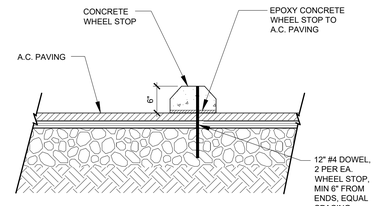
7 TRUNCATED DOMES

1/2"=1'-0"



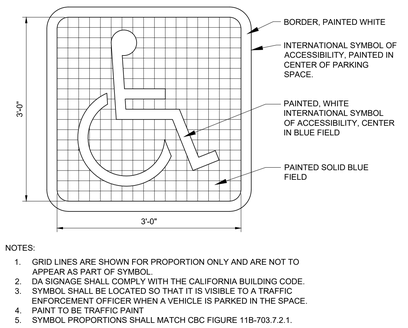
3 EXISTING ACCESSIBLE PARKING SIGN

DSA #01-103016 — 1"=1'-0"



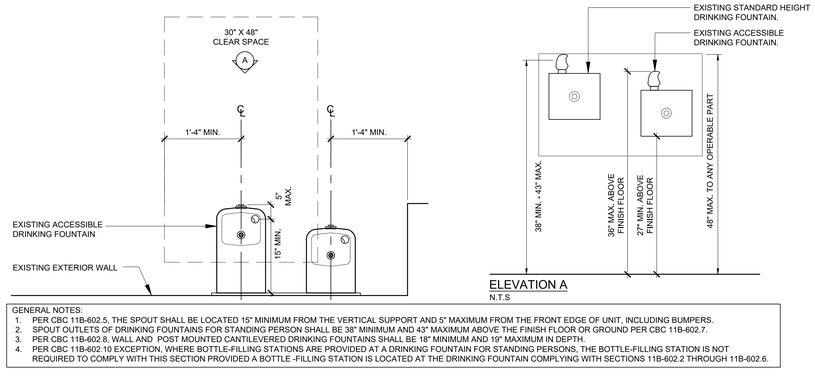
6 EXISTING WHEEL STOP

1"=1'-0"



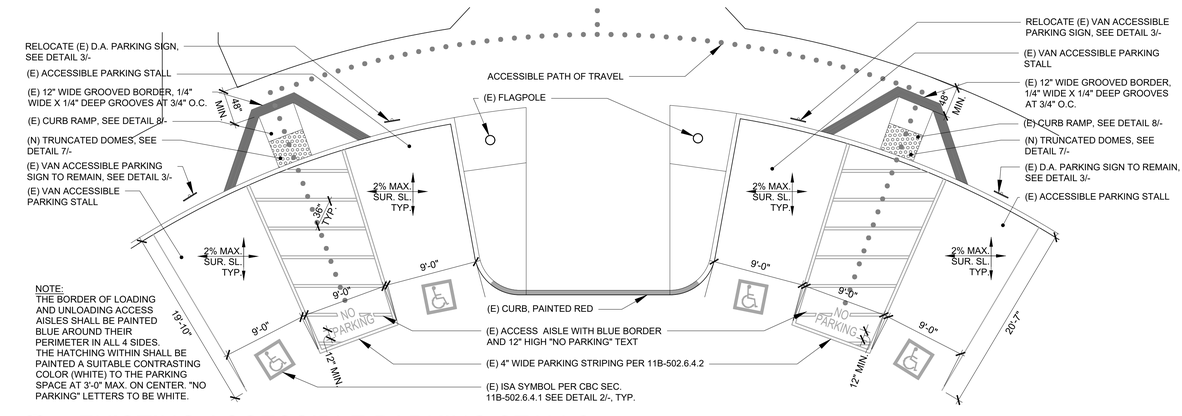
2 INTERNATIONAL SYMBOL FOR ACCESSIBILITY (I.S.A.)

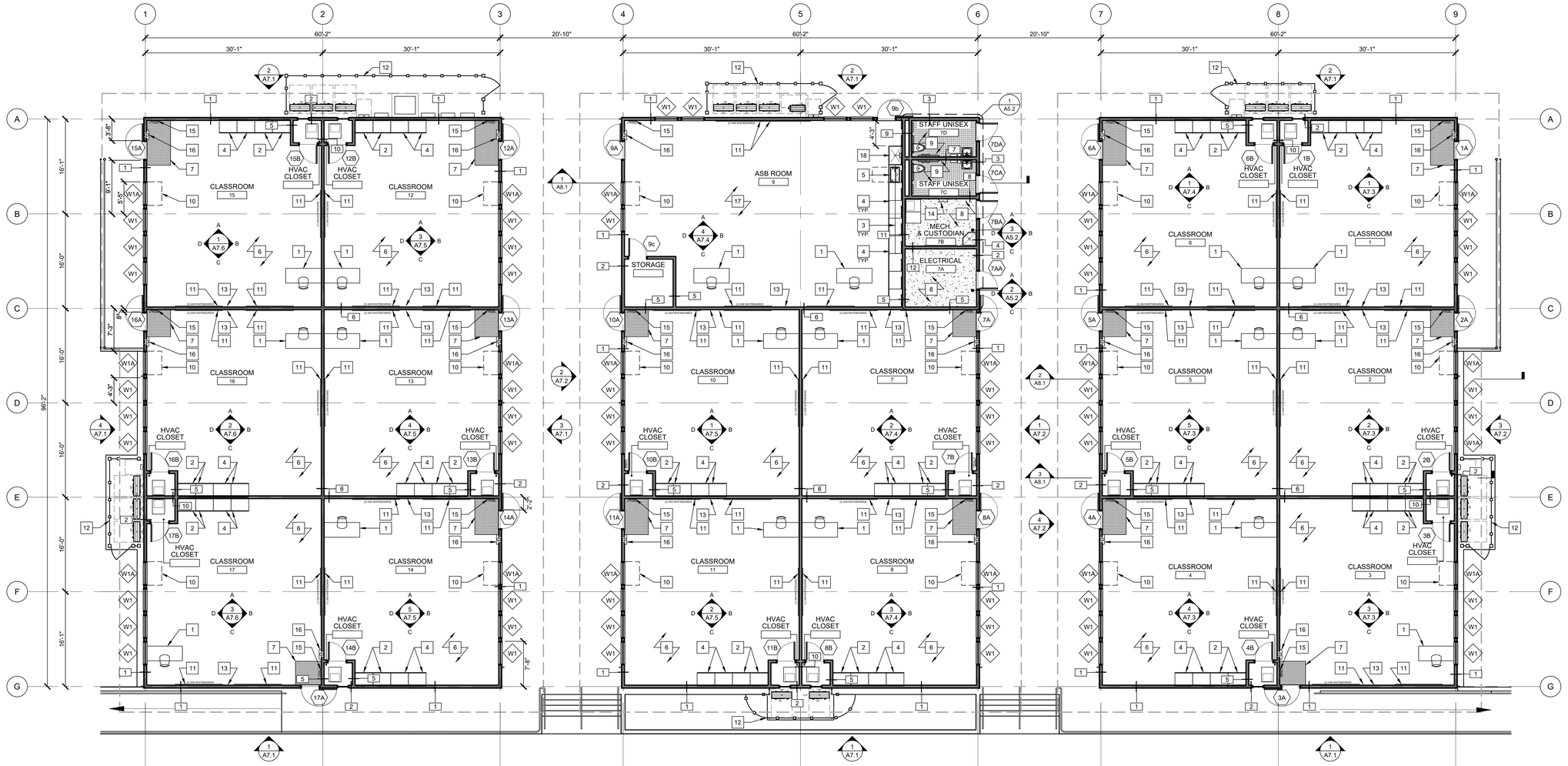
1"=1'-0"



13 EXISTING HI-LO DRINKING FOUNTAIN

DSA #03-103016 — 1"=1'-0"


RELOCATE (E) D.A. PARKING SIGN, SEE DETAIL 3/-
(E) ACCESSIBLE PARKING STALL
(E) 12" WIDE GROOVED BORDER, 1/4" WIDE X 1/4" DEEP GROOVES AT 3/4" O.C.
(E) CURB RAMP, SEE DETAIL 8/-
(N) TRUNCATED DOMES, SEE DETAIL 7/-
(E) VAN ACCESSIBLE PARKING SIGN TO REMAIN, SEE DETAIL 3/-
(E) VAN ACCESSIBLE PARKING STALL
ACCESSIBLE PATH OF TRAVEL
(E) FLAGPOLE
48" MIN.
2% MAX. SUR. SL. TYP.
2% MAX. SUR. SL. TYP.
2% MAX. SUR. SL. TYP



1 NEW FLOOR PLAN

1/8" = 1'-0"

0 2' 4' 8' 16' 24'

NORTH

GENERAL NOTES

A. ROOM NAMES AND NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION FLOOR PLANS AND NEW FLOOR PLANS.
B. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM DRAWINGS FOR EXTENT OF OTHER RELATED WORK.
C. ALL (N) EXTERIOR STUD WALLS SHALL HAVE R-19 INSULATION.
D. ALL (N) INTERIOR STUD WALLS SHALL HAVE R-19 ACOUSTICAL INSULATION.
E. ALL (N) INTERIOR WALLS ARE TO EXTEND TO STRUCTURAL DECK OR HARD LID CEILING ABOVE, WITH FINISHES ON BOTH SIDES.
F. PROVIDE 'EXIT' SIGNS AT INTERIOR OF ALL CLASSROOMS AT EGRESS EXIT DOOR. SEE DOOR SCHEDULE ON SHEET A6.1 AND SIGNAGE DETAIL ON SHEET A6.3 .
G. SEE PROJECT SPECIFICATIONS FOR THE PORTABLE ASSISTIVE LISTENING SYSTEM (ALS) REQUIREMENTS AND THE PROJECT TYPE AND COMPONENTS TO FURNISH IN THE CLASSROOMS FOR THIS PROJECT.

FLOOR PLAN NOTES

1. TEACHER'S DESK FOR REFERENCE.
2. TALL CABINET, SEE INTERIOR ELEVATIONS AND DETAIL 9/A6.4.
3. WALL CABINET, SEE DETAIL 8/A6.4
4. BASE CABINET, SEE DETAIL 7/A6.4
5. ACCESSIBLE BASE CABINET WITH SINK, SEE DETAIL 3/A6.4
6. 24" SQUARE MODULAR CARPET TILE, OVER ENTIRE ROOM.
7. WALK-OFF MAT.
8. SEALED CONCRETE FLOORING.
9. CERAMIC FLOOR TILES OVER MORTAR BED, SLOPED TO DRAIN.
10. ACCESSIBLE WINDOW CLEAR SPACE, SEE WINDOW TYPES ON SHEET A6.2
11. MARKER BOARDS, SEE INTERIOR ELEVATIONS.
12. HVAC EQUIPMENT OUTDOOR ENCLOSURE, SEE SITE PLAN 1/A0.2 AND ENLARGED PLANS ON SHEET A0.3
13. TEACHING WALL, SEE INTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS FOR SPECIFIC LAYOUT.
14. LADDER MOUNTED ON WALL TO ATTIC ACCESS, SEE INTERIOR ELEVATIONS 3/A5.2 AND DETAIL 14/A9.5.
15. ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS.
16. SEMI-RECESSED FIRE EXTINGUISHER CABINET, SEE DETAIL 7/A9.6
17. RESILIENT FLOORING.
18. FLOOR MOUNT SCULLERY SINK, REFER TO PLUMBING DRAWINGS.

GRAPHIC KEY

- STUD WALL, SEE WALL TYPES.
- WALK-OFF MAT
- CERAMIC FLOOR TILES OVER MORTAR BED, SLOPED TO DRAIN.
- SEALED CONCRETE.
- FIRE EXTINGUISHER IN SEMI-RECESSED CABINET, SEE DETAIL 7/A9.6
- DOOR MANEUVERING CLEARANCE, SEE DETAIL 1/A6.1
- TACTILE DOOR SIGN, SEE DOOR SCHEDULE ON SHEET A6.1
- WALL TYPE, SEE SHEET A9.1
- 30" X 48" ACCESSIBLE CLEAR SPACE
- ROOF OVERHANG
- DECORATIVE FENCE, SEE SITE PLAN
- NEW HVAC UNIT, SEE MECHANICAL DRAWINGS AND SITE PLAN.

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PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

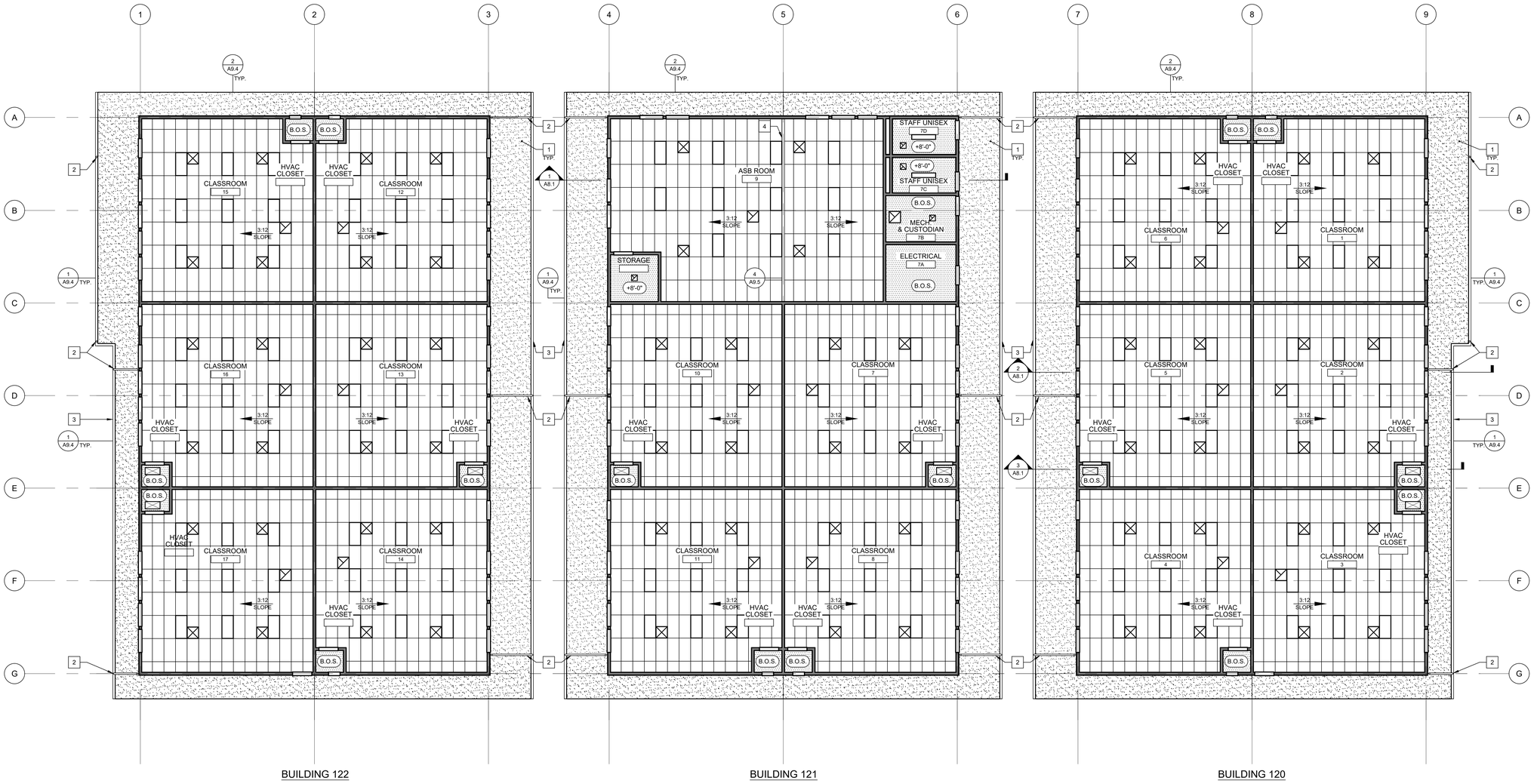
NEW FLOOR PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A2.1



1 REFLECTED CEILING PLAN

1/8" = 1'-0"

0 2' 4' 8' 16' 24'

NORTH

GENERAL NOTES

A. ROOM NAMES AND NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION FLOOR PLANS AND NEW FLOOR PLANS.
B. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM DRAWINGS FOR EXTENT OF OTHER RELATED WORK.
C. ALL (N) EXTERIOR STUD WALLS SHALL HAVE R-19 INSULATION.
D. ALL (N) INTERIOR STUD WALLS SHALL HAVE R-19 ACOUSTICAL INSULATION.
E. ALL (N) INTERIOR WALLS ARE TO EXTEND TO STRUCTURAL DECK OR HARD LID CEILING ABOVE, WITH FINISHES ON BOTH SIDES.
F. PROVIDE 'EXIT' SIGNS AT INTERIOR OF ALL CLASSROOMS AT EGRESS EXIT DOOR. SEE DOOR SCHEDULE ON SHEET A6.1 AND SIGNAGE DETAIL ON SHEET A6.3 .

REFLECTED CEILING PLAN NOTES

1. CEMENT PLASTER SOFFIT ASSEMBLY, PAINTED. SEE DETAILS 7 & 8/A9.3 AND DETAILS ON A9.4
2. DOWNSPOUT, PAINTED. SEE DETAILS 6 & 9/A9.3
3. GUTTER, PAINTED. SEE DETAIL 1/A9.4
4. RIDGE AT SUSPENDED CEILING, SEE DETAIL 4/A9.5 AND STRUCTURAL DRAWINGS.

GRAPHIC KEY

- STUD WALL
- INDICATES 2X4 ACOUSTICAL CEILING GRID SEE SHEET A9.5
- INDICATES HARD-LID GYPSUM BOARD CEILING, PAINTED.
- INDICATES CEMENT PLASTER EXTERIOR SOFFIT, PAINTED. SEE DETAILS 7 & 8/A9.3

MECHANICAL - SEE MECHANICAL DRAWINGS

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST GRILLE

ELECTRICAL - SEE ELECTRICAL DRAWINGS

- SURFACE MOUNTED LIGHT FIXTURE
- 2' X 4' LAY-IN LIGHT FIXTURE

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(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE,
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
RENEWAL 9-30-27
STATE OF CALIFORNIA

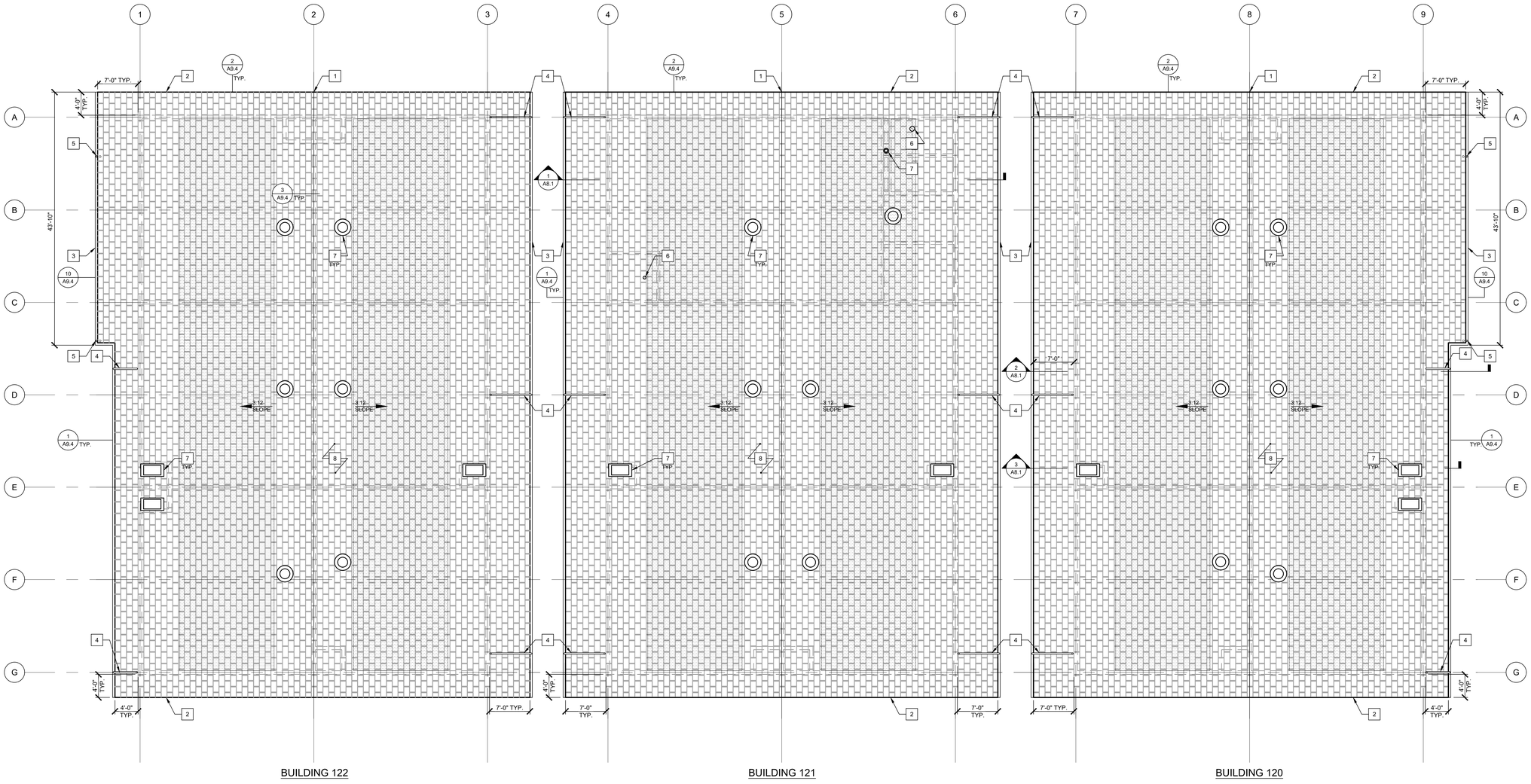
NEW REFLECTED CEILING PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A2.2



1 NEW ROOF PLAN

1/8" = 1'-0"

0 2' 4' 8' 16' 24'

NORTH

GENERAL NOTES

A. ROOM NAMES AND NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION FLOOR PLANS AND NEW FLOOR PLANS.
B. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM DRAWINGS FOR EXTENT OF OTHER RELATED WORK.
C. ALL (N) EXTERIOR STUD WALLS SHALL HAVE R-19 INSULATION.
D. ALL (N) INTERIOR STUD WALLS SHALL HAVE R-19 ACOUSTICAL INSULATION.
E. ALL (N) INTERIOR WALLS ARE TO EXTEND TO STRUCTURAL DECK OR HARD LID CEILING ABOVE, WITH FINISHES ON BOTH SIDES.
F. PROVIDE 'EXIT' SIGNS AT INTERIOR OF ALL CLASSROOMS AT EGRESS EXIT DOOR. SEE DOOR SCHEDULE ON SHEET A6.1 AND SIGNAGE DETAIL ON SHEET A 6.3 .
G. FUTURE PV INSTALLATION IS SUBJECT TO DSA REVIEW AND APPROVAL UNDER A SEPARATE PERMIT APPLICATION.

ROOF PLAN NOTES

1. RIDGE, SEE DETAIL 3/A9.4
2. RAKE, SEE DETAIL 2/A9.4
3. EAVE WITH GUTTER, SEE DETAILS 1 & 10/A9.4
4. DOWNSPOUT AT BUILDING WALL, SEE DETAILS 5 & 9/A9.3
5. DOWNSPOUT WITH COLUMN, SEE DETAIL 6/A9.3
6. PLUMBING VENT THROUGH ROOF, SEE PLUMBING DRAWINGS AND DETAIL 4/A9.4
7. MECHANICAL VENT OR INTAKE, SEE MECHANICAL DRAWINGS.
8. COMPOSITION SHINGLE ROOF, SEE DETAIL 9/A9.4

GRAPHIC KEY

OUTLINE OF WALL BELOW

NEW COMPOSITION SHINGLE ROOFING

SOLAR-READY ZONE

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APP: 03-125793 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
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LICENSED ARCHITECT
MARK C. FINNEY
RENEWAL 9-30-27
NO. C-24073
STATE OF CALIFORNIA

NEW ROOF PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

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CHECKED BY: MF, JT
PROJECT NO: 25042 DATE: DSA BACKCHECK - 04/24/26

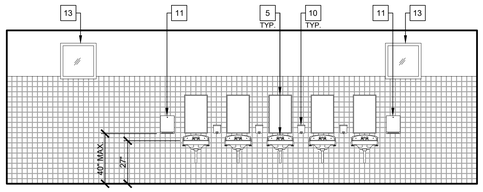
A2.3

GENERAL NOTES

A. SEE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM DRAWINGS FOR EXTENT OF OTHER RELATED WORK.
B. SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES SCHEDULE
C. RESTROOM ACCESSORIES SHALL BE MOUNTED TO BLOCKING AND/OR WALL STUDS. SEE DETAIL 2/A6.4 FOR BLOCKING INFO. SEE DETAIL 5/A9.6 FOR ACCESSIBLE DIMENSIONS.

SHEET NOTES

1. EXISTING ACCESSIBLE FLOOR MOUNTED TOILET.
2. EXISTING FLOOR MOUNTED TOILET.
3. EXISTING ACCESSIBLE URINAL.
4. EXISTING URINAL.
5. EXISTING ACCESSIBLE WALL MOUNTED LAVATORY AND STAINLESS STEEL CHANNEL FRAMED MIRROR.
6. EXISTING 36" GRAB BAR.
7. EXISTING 42" GRAB BAR.
8. EXISTING TOILET PAPER DISPENSER.
9. EXISTING SANITARY NAPKIN DISPOSAL.
10. EXISTING SOAP DISPENSER.
11. EXISTING PAPER TOWEL DISPENSER.
12. EXISTING TOILET PARTITION.
13. EXISTING WINDOW.
14. EXISTING FLOOR DRAIN.
15. EXISTING ACCESSIBLE DRINKING FOUNTAIN, PER DSA APPL. NO. 03-103016. SEE DETAIL13/A0.5 .



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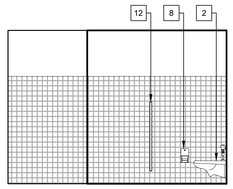

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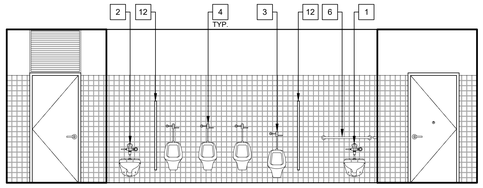

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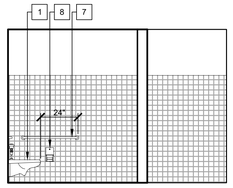


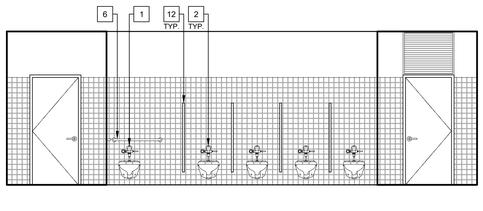
B

3 INTERIOR ELEVATIONS - EXISTING BOYS RESTROOM (BUILDING 80)

DSA# 03-103016

1/4" = 1'-0"

0 1' 2' 4' 8' 12'



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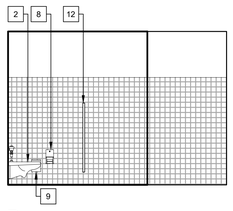

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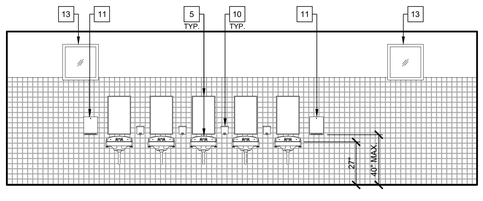

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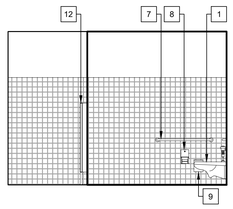


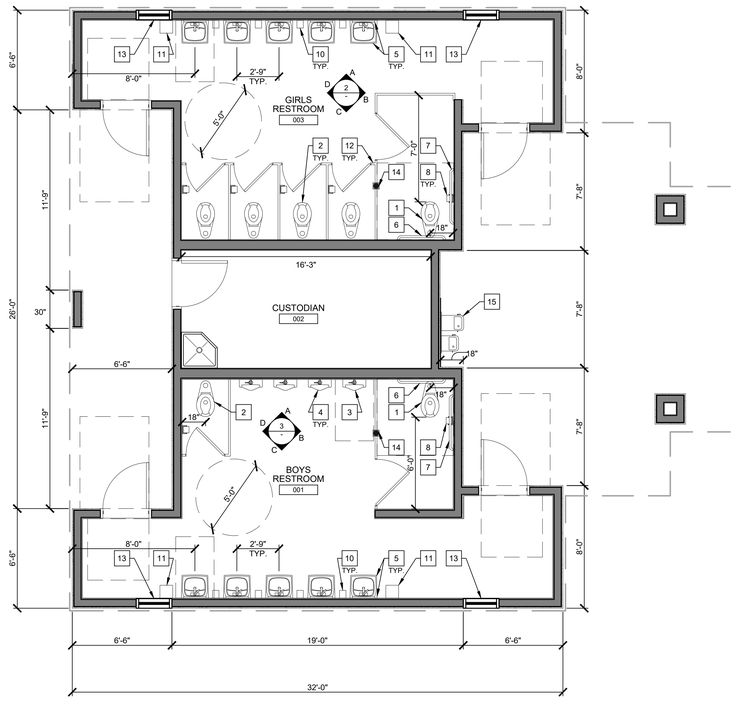
B

2 INTERIOR ELEVATIONS - EXISTING GIRLS RESTROOM (BUILDING 80)

DSA# 03-103016

1/4" = 1'-0"

0 1' 2' 4' 8' 12'



1 ENLARGED FLOOR PLAN - EXISTING STUDENT RESTROOMS (BUILDING 80)

DSA# 03-103016

1/4" = 1'-0"

0 1' 2' 4' 8' 12'

NORTH

GRAPHIC KEY

STUD WALL

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LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS
EXISTING STUDENT RESTROOMS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

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NO. ITEM DATE

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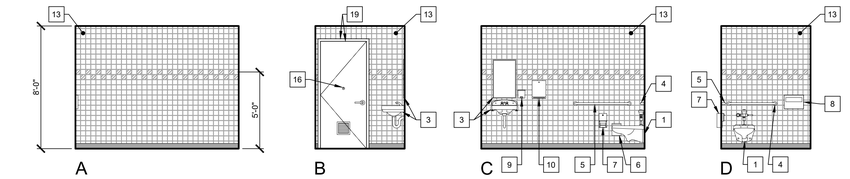
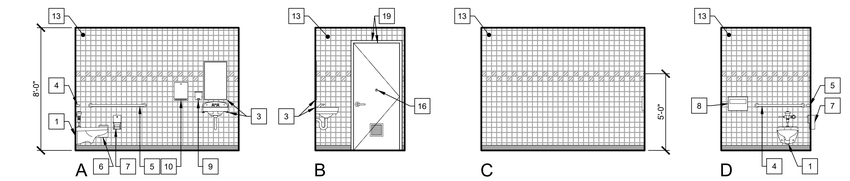
PROJECT NO: DATE:
25042 DSA BACKCHECK - 04/24/26

A5.1



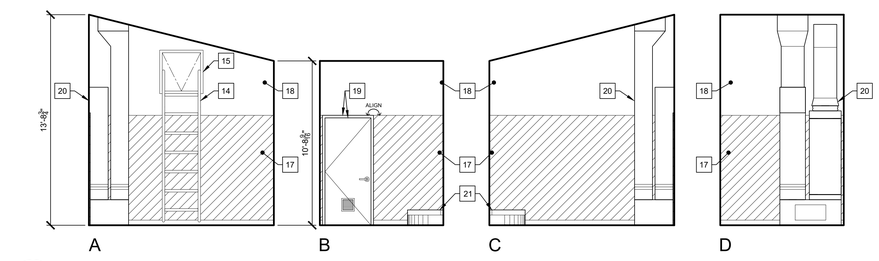
4 INTERIOR ELEVATIONS
STAFF RESTROOM 7D

1/4" = 1'-0"
0 1' 2' 4' 8' 12'



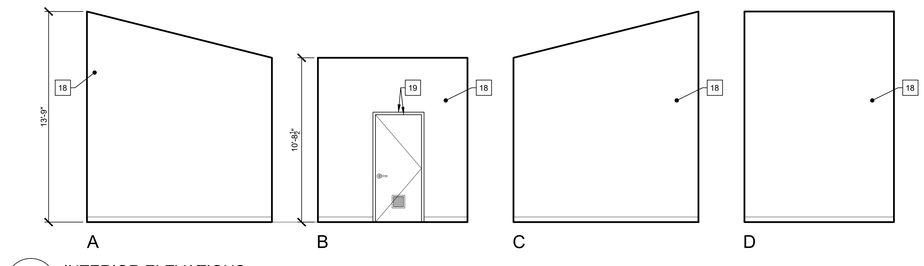
3 INTERIOR ELEVATIONS
STAFF RESTROOM 7C

1/4" = 1'-0"
0 1' 2' 4' 8' 12'



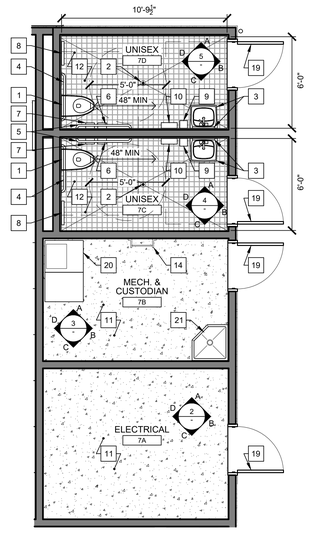
3 INTERIOR ELEVATIONS
MECHANICAL & CUSTODIAN ROOM 7B

1/4" = 1'-0"
0 1' 2' 4' 8' 12'



2 INTERIOR ELEVATIONS
ELECTRICAL ROOM 7A

1/4" = 1'-0"
0 1' 2' 4' 8' 12'



1 ENLARGED FLOOR PLAN
ELECTRICAL 7A, MECH. & CUSTODIAN 7B,
AND STAFF RESTROOMS 7C & 7D

1/4" = 1'-0"
0 1' 2' 4' 8' 12'
NORTH

GENERAL NOTES

A. SEE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM DRAWINGS FOR EXTENT OF OTHER RELATED WORK.
B. SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES SCHEDULE
C. RESTROOM ACCESSORIES SHALL BE MOUNTED TO BLOCKING AND/OR WALL STUDS. SEE DETAIL 2/A6.4 FOR BLOCKING INFO. SEE DETAIL 5/A9.6 FOR ACCESSIBLE DIMENSIONS.

SHEET NOTES

1. ACCESSIBLE WALL MOUNTED TOILET, SEE PLUMBING DRAWINGS AND DETAIL 10/A9.6 FOR ANCHORAGE.
2. FLOOR DRAIN, SEE PLUMBING DRAWINGS.
3. ACCESSIBLE WALL MOUNTED LAVATORY AND STAINLESS STEEL CHANNEL FRAMED MIRROR. SEE PLUMBING DRAWINGS, AND DETAILS 8 AND 9/A9.6 FOR ANCHORAGE.
4. 36" GRAB BAR, SEE DETAIL 4/A9.6 FOR ANCHORAGE.
5. 42" GRAB BAR, SEE DETAIL 4/A9.6 FOR ANCHORAGE.
6. SANITARY NAPKIN DISPOSAL.
7. TOILET PAPER DISPENSER. O.F.C.I.
8. TOILET SEAT COVER DISPENSER.
9. SOAP DISPENSER. O.F.C.I.
10. PAPER TOWEL DISPENSER. O.F.C.I.
11. SEALED CONCRETE FLOORING, SEE FINISH SCHEDULE.
12. CERAMIC FLOOR TILE, SEE FINISH SCHEDULE.
13. CERAMIC WALL TILE, SEE FINISH SCHEDULE. ASSUME 1 FIELD COLOR AND 2 ACCENT COLORS, TBD.
14. LADDER MOUNTED ON WALL TO ATTIC ACCESS.
15. 30" X 30" ATTIC ACCESS HATCH.
16. COAT HOOK / BUMPER.
17. FRP PANELING OVER GYP BOARD.
18. GYP BOARD, PAINTED.
19. DOOR AND FRAME, SEE DOOR SCHEDULE 7/A6.1
20. MECHANICAL UNIT AND DUCTS, SEE MECHANICAL DRAWINGS.
21. MOP SINK, SEE PLUMBING DRAWINGS.

GRAPHIC KEY

- STUD WALL
- FRP PANELING
- WALL TILE
- FLOOR TILE
- SEALED CONCRETE FLOOR

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NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS
NEW RESTROOMS, CUSTODIAN, ELECTRICAL & MECH.

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
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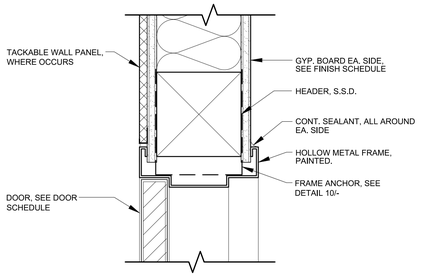
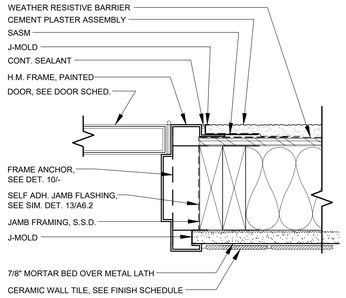


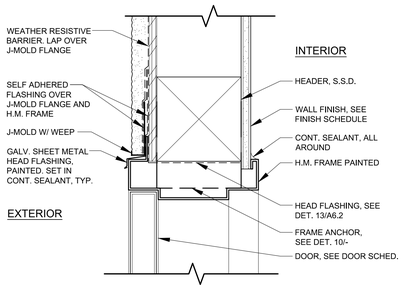
16 INTERIOR DOOR HEAD (JAMB SIM.)

HOLLOW METAL FRAME 3"=1'-0"



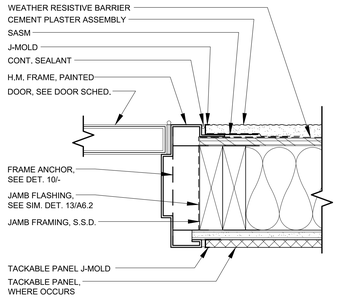
12 EXTERIOR DOOR JAMB AT RESTROOMS

HOLLOW METAL FRAME 3"=1'-0"



15 EXTERIOR DOOR HEAD

HOLLOW METAL FRAME 3"=1'-0"



11 EXTERIOR DOOR JAMB

HOLLOW METAL FRAME 3"=1'-0"

DOOR & SIGNAGE SCHEDULE

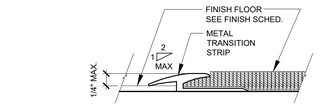
ROOM NAME	DOOR					DOOR FRAME			FIRE RATING	DETAILS			DOOR HARDWARE GROUP (SEE SPECS)	DOOR SIGNAGE (SEE DETAIL 7/A6.3 U.O.N.)		REMARKS
	TAG	SIZE (WIDTH X HEIGHT X THICK.)	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH		HEADER	JAMB	THRES.		TYPES	TEXT (ROOM NUMBERS SUBJECT TO CHANGE)	
CLASSROOM 1	1A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	1	-
HVAC CLOSET	1B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 2	2A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	2	-
HVAC CLOSET	2B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 3	3A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	3	-
HVAC CLOSET	3B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 4	4A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	4	-
HVAC CLOSET	4B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 5	5A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	5	-
HVAC CLOSET	5B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 6	6A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	6	-
HVAC CLOSET	6B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 7	7A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	7	-
HVAC CLOSET	7B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 8	8A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	8	-
HVAC CLOSET	8B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
ASB ROOM 9	9A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	9	-
	9B	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	9	-
	9C	3'-0" X 7'-0" X 1-3/4"	B	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	4	-	-	-
ELECTRICAL	7AA	3'-0" X 7'-0" X 1-3/4"	C	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	2	F	ELECTRICAL	-
MECH. & CUSTODIAN	7BA	3'-0" X 7'-0" X 1-3/4"	C	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	2	F	MECHANICAL CUSTODIAN	1
STAFF UNISEX	7CA	3'-0" X 7'-0" X 1-3/4"	C	HM	PTD	F1	HM	PTD	-	15/-	12/-	13/-	3	A, B	STAFF RESTROOM	1
STAFF UNISEX	7DA	3'-0" X 7'-0" X 1-3/4"	C	HM	PTD	F1	HM	PTD	-	15/-	12/-	13/-	3	A, B	STAFF RESTROOM	1
CLASSROOM 10	10A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	10	-
HVAC CLOSET	10B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 11	11A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	11	-
HVAC CLOSET	11B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 12	12A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	12	-
HVAC CLOSET	12B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 13	13A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	13	-
HVAC CLOSET	13B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 14	14A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	14	-
HVAC CLOSET	14B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 15	15A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	15	-
HVAC CLOSET	15B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 16	16A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	16	-
HVAC CLOSET	16B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-
CLASSROOM 17	17A	3'-0" X 7'-0" X 1-3/4"	A	HM	PTD	F1	HM	PTD	-	15/-	11/-	13/-	1	F	17	-
HVAC CLOSET	17B	3'-0" X 7'-0" X 1-3/4"	A	WD	PTD	F1	HM	CLR	-	16/-	16/-	17/-	5	-	-	-

NOTES:
1. DOOR LEVERS ARE TO BE 38" ABOVE FINISH FLOOR.
2. PER 11B-404.2.9, THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE AS FOLLOWS:
   A. INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.
   B. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.
3. CLASSROOM DOORS SHALL SWING 180°.
4. ALL DOORS TO ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 5 OR MORE SHALL BE EQUIPPED WITH HARDWARE THAT IS LOCKABLE FROM THE INSIDE PER CBC 1010.2.8.2.
5. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.

REMARKS
1. SIGNAGE TEXT ON 2 LINES

LEGEND
HM HOLLOW METAL
PTD PAINTED
WD SOLID WOOD
CLR CLEAR FINISH/STAIN

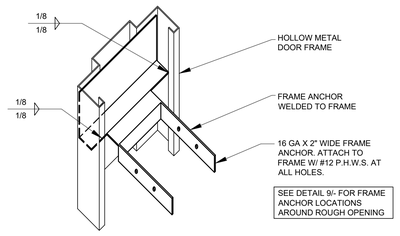
7 DOOR SCHEDULE



NOTES:
1. PROVIDE A CONTINUOUS TRANSITION STRIP AT FLOOR MATERIAL TRANSITIONS WHERE CHANGE IN LEVEL IS GREATER THAN 1/4" IN HEIGHT. PER CBC 11B-303.2, EDGE TREATMENT IS NOT REQUIRED IF LEVEL CHANGE IS 1/4" OR LESS.
2. PER CBC 11B-303.3, TRANSITION STRIPS WITH A BEVELED SLOPE SHALL NOT EXCEED A 1:2 MAX SLOPE AT CHANGES IN LEVEL BETWEEN 1/4" HIGH MINIMUM AND 1/2" HIGH MAXIMUM, TYP.

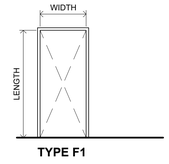
18 TYPICAL TRANSITION STRIP

1'-0"=1'-0"



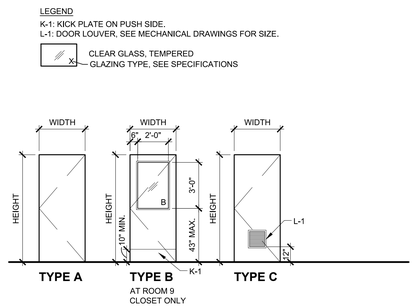
10 TYP. FRAME ANCHOR

N.T.S.



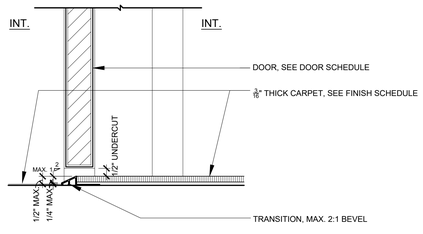
6 DOOR FRAME TYPES

1/4"=1'-0"



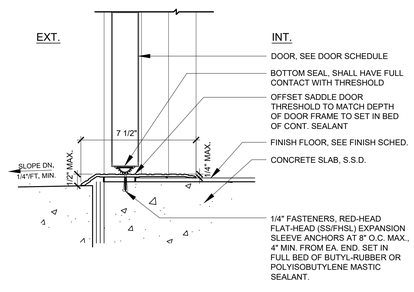
2 DOOR TYPES

1/4"=1'-0"



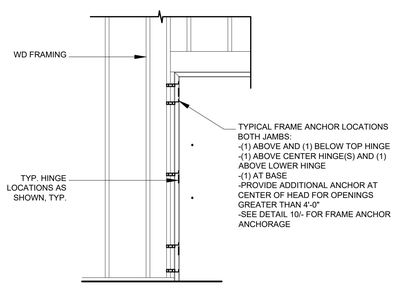
17 INTERIOR DOOR THRESHOLD

3"=1'-0"



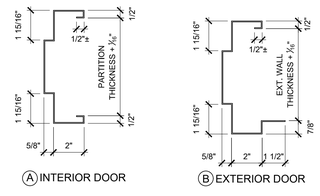
13 EXTERIOR DOOR THRESHOLD

3"=1'-0"



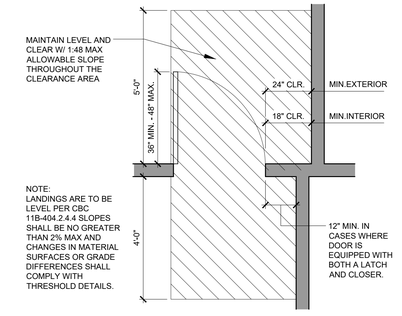
9 FRAME ANCHOR LOCATIONS

1/2"=1'-0"



5 HOLLOW METAL FRAMES

3"=1'-0"



1 TYP. DOOR CLEARANCES

1/2"=1'-0"

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APP: 03-125793 INC:
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DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
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PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

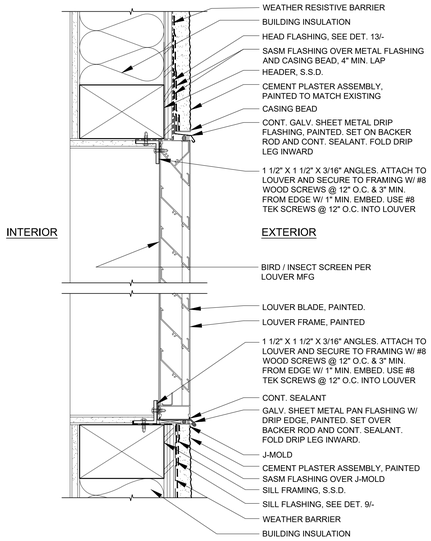
DOOR SCHEDULE AND DOOR DETAILS
SIGN SCHEDULE

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

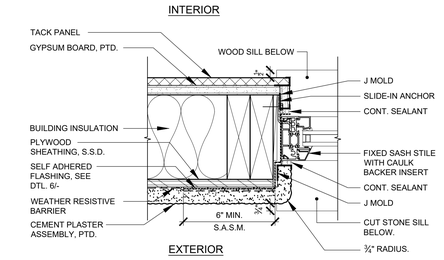
DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042 DATE: DSA BACKCHECK - 04/24/26

A6.1



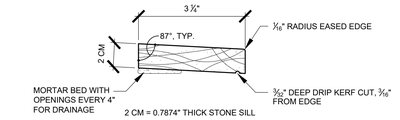
11 LOUVER HEAD & SILL

3"=1'-0"



8 WINDOW JAMB AT WALL

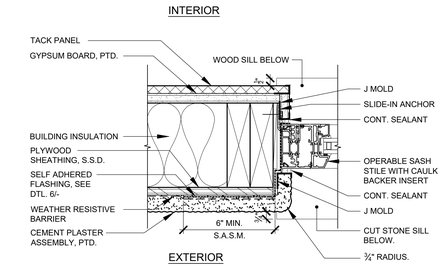
AT FIXED SASH 3"=1'-0"



NOTES:
1. STONE MATERIAL SHALL BE NATURAL GRANITE, IN THICKNESS SHOWN, WITH HONED FINISH. COLOR: CHARCOAL GRAY.
2. SUBMIT MATERIAL SAMPLES FOR ARCHITECT APPROVAL, 3" SQUARE MIN. SIZE AND FULL THICKNESS FOR COLOR SELECTION AND FINISH.
3. SUBMIT SAMPLE OF SHAPED SILL, 6" LONG MIN, FULL WIDTH AND IN THE SHAPE PER DETAIL.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EACH OPENING TYPE.
5. MOCKUP: CONTRACTOR SHALL CONSTRUCT FULL SCALE MOCKUP AT ONE OPENING FOR ARCHITECT REVIEW AND APPROVAL BEFORE PROCEEDING WITH REMAINING SCOPE.

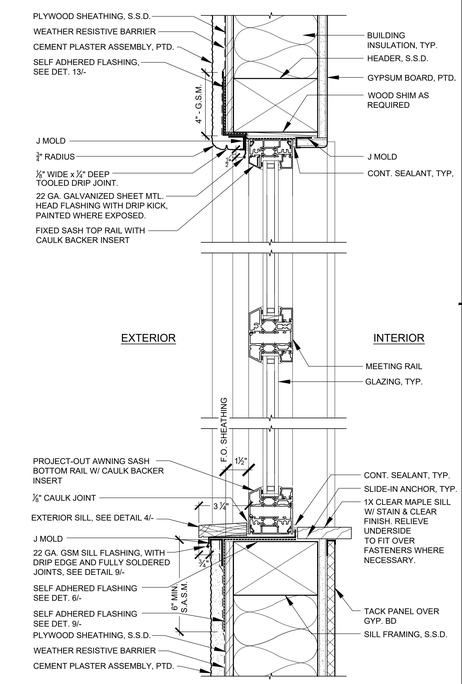
4 EXTERIOR SILL DETAIL

AT PROECT-OUT AWNING WINDOWS 6"=1'-0"



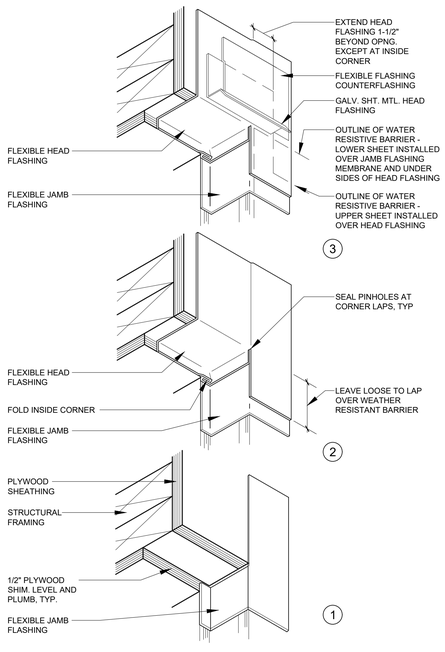
7 WINDOW JAMB AT WALL

AT OPERABLE SASH 3"=1'-0"



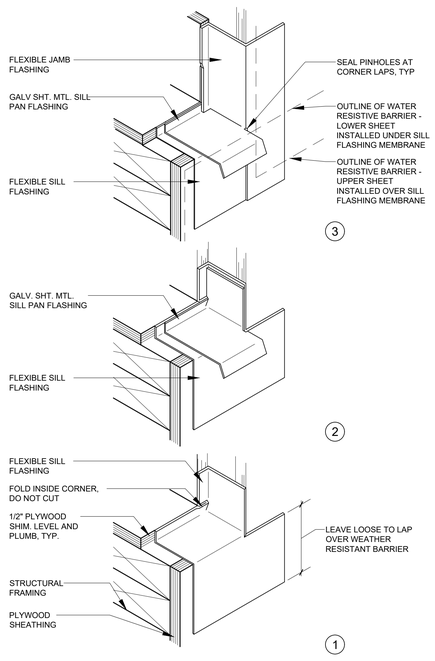
2 WINDOW HEAD & SILL

AT OPERABLE & FIXED SASH 3"=1'-0"



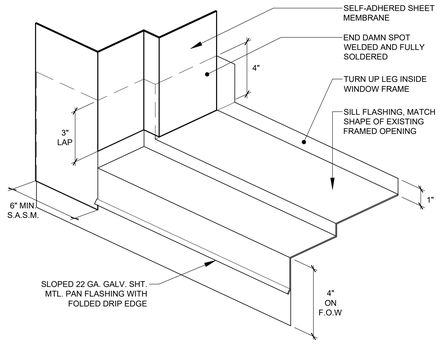
13 HEAD FLASHING

SELF-ADHERED SHEET MEMBRANE N.T.S.



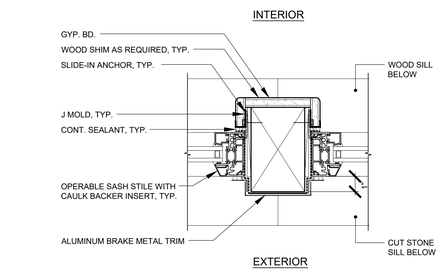
9 SILL FLASHING

SELF-ADHERED SHEET MEMBRANE N.T.S.



6 ISOMETRIC VIEW OF PAN FLASHING

N.T.S.



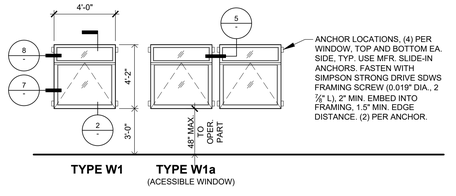
5 WINDOW JAMB AT MULLION (3.5")

AT FIXED SASH W/ ALUM. TRIM 3"=1'-0"

LEGEND:

CLEAR GLASS

GENERAL NOTES:
1. SEE SPECIFICATIONS FOR GLAZING TYPE.
2. WINDOW HARDWARE AT ACCESSIBLE WINDOW SHALL COMPLY W/ CBC 11B-308 & 309.
3. THE ACCESSIBLE OPERABLE PART SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE THE OPERABLE PART SHALL BE 5 LBS. MAXIMUM.
4. MINIMUM OVERALL U-FACTOR OF WINDOWS: 0.3
5. WINDOWS SHALL HAVE A CERTIFIED NFRC LABEL CERTIFICATE.



1 WINDOW TYPES

1/4"=1'-0"

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APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
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CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
No. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

WINDOW TYPES AND WINDOW DETAILS

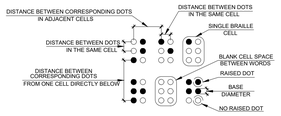
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042 DATE: DSA BACKCHECK - 04/24/26

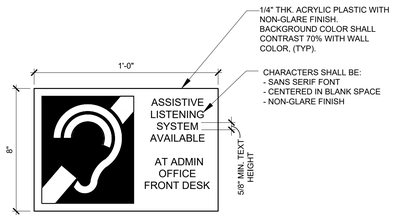
A6.2

TABLE 11B-703.3.1 BRAILLE DIMENSIONS	
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 mm) TO 0.063 (1.6 mm)
DISTANCE BETWEEN DOTS IN THE SAME CELL[1]	0.100 (2.5 mm)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS[1]	0.300 (7.6 mm)
DOT HEIGHT	0.025 (0.6 mm) TO 0.037 (0.9 mm)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW[1]	0.395 (10 mm) TO 0.400 (10.2 mm)
1. MEASURED CENTER TO CENTER.	



12 BRAILLE MEASURMENT DETAIL

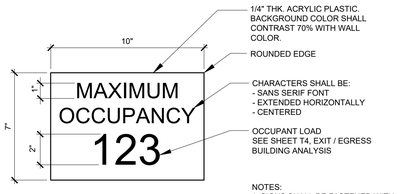
CBC 11B-703.3.1 6"=1'-0"



NOTES:
1. SIGN TO BE LESS THAN 60" MAX ABOVE FINISH FLOOR FROM BASE OF HIGHEST TEXT.
2. SEE ELECTRICAL DRAWINGS FOR SYSTEM REQUIREMENTS.

15 ASSISTIVE LISTENING SIGN

SIGNAGE 3"=1'-0"

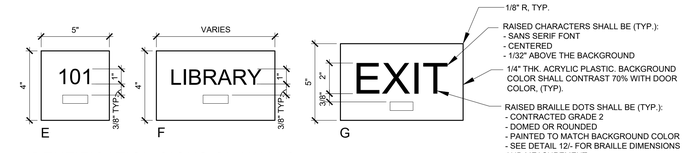


NOTES:
1. SIGNS SHALL BE FASTENED WITH ADHESIVE AND (3) FLATHEAD WOOD SCREWS INTO BLOCKING.
2. OCCUPANT LOAD SIGN IS REQUIRED IN ROOM WHEN OCCUPANT LOAD IS 50 OR MORE.
3. SIGN SHALL BE POSTED NEAR THE MAIN EXIT PER CBC 1004.9.
4. SIGN TO BE LESS THAN 60" MAX A.F.F. FROM BASE OF HIGHEST TEXT.

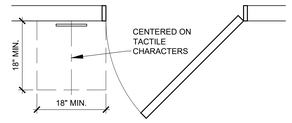
11 MAX. OCCUPANCY SIGN

3"=1'-0"

NOTES:
- ATTACH SIGNS USING (4) FLATHEAD WOOD SCREWS, COUNTERSUNK & WITH ADHESIVE.
- ALL EDGES TO BE ROUNDED.
- FOR MORE INFO. FOR TYP. IDENT. SIGNS, SEE CBC SEC. 11B-703.
- FOR MORE INFO. FOR EXIT SIGNS, SEE CBC SEC. 1013.4. AND 11B-703.

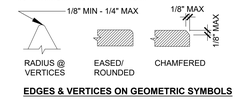


IDENTIFICATION SIGNS ON WALLS

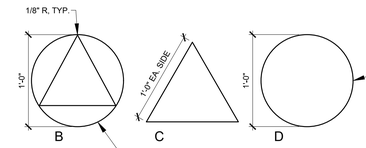


SIGN CLEARANCE ON WALLS

PER CBC 11B-703.7.2.6.4 - EDGES SHALL BE EASED OR ROUNDED AT 1/16" MINIMUM, OR CHAMFERED AT 1/8" MAXIMUM. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MINIMUM AND 1/4" MAXIMUM.

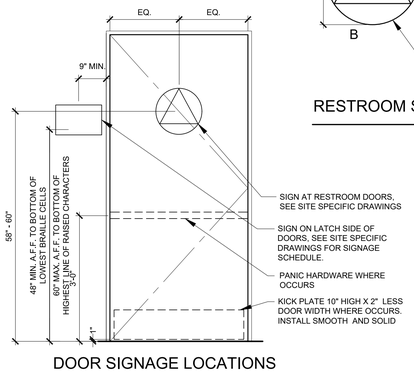


EDGES & VERTICES ON GEOMETRIC SYMBOLS

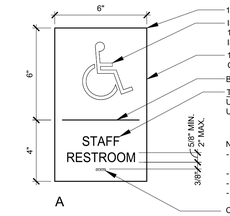


NOTES:
- ATTACH SIGNS USING (3) FLATHEAD WOOD SCREWS, COUNTERSUNK & WITH ADHESIVE.
- ALL EDGES TO BE ROUNDED.
- PLACE (1) SIGN AT EA. RESTROOM ENTRANCE.
- FOR MORE INFO., SEE CBC SEC. 11B-703.7.2.6.

RESTROOM SIGNS ON DOORS



DOOR SIGNAGE LOCATIONS



NOTES:
- ATTACH SIGNS USING (4) FLATHEAD WOOD SCREWS, COUNTERSUNK & WITH ADHESIVE.
- ALL EDGES TO BE ROUNDED.
- PLACE (1) SIGN AT EA. RESTROOM ENTRANCE.
- FOR MORE INFO., SEE CBC SEC. 11B-703.7.2.6.

RESTROOM SIGNS ON WALLS

7 TYPICAL SIGNAGE

NOTE:
- SIGNS AND IDENTIFICATION REQUIRED BY SECTION 11B-703 AND 1013.4 OF THE CBC SHALL BE INSPECTED PER CBC 11B-703.1.1.2.

N.T.S.

FINISH SCHEDULE

ROOM NAME	ROOM #	FLOOR		WALLS								CEILING		REMARKS
				NORTH		EAST		SOUTH		WEST				
		FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
CLASSROOM 1	1	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	1.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 2	2	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	2.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 3	3	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	3.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 4	4	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	4.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 5	5	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	5.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 6	6	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	6.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 7	7	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	7.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 8	8	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	8.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
ASB ROOM 9	9	RS	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
STORAGE	9.1	CPT	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
ELECTRICAL	7A	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
MECH. & CUSTODIAN	7B	CS	RB	GB, FRP	PTD	GB, FRP	PTD	GB, FRP	PTD	GB, FRP	PTD	GB	PTD	2
STAFF UNISEX	7C	CT	CT	MB/GB	CT/PTD	MB/GB	CT/PTD	MB/GB	CT/PTD	MB/GB	CT/PTD	GB	PTD	
STAFF UNISEX	7D	CT	CT	MB/GB	CT/PTD	MB/GB	CT/PTD	MB/GB	CT/PTD	MB/GB	CT/PTD	GB	PTD	
CLASSROOM 10	10	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	10.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 11	11	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	11.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 12	12	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	12.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 13	13	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	13.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 14	14	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	14.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 15	15	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	15.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 16	16	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	16.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2
CLASSROOM 17	17	CPT / WM	RB	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	GB	PTD / TWP	ACT	-	1
HVAC CLOSET	17.1	CS	RB	GB	PTD	GB	PTD	GB	PTD	GB	PTD	GB	PTD	2

GENERAL NOTES:
A. EXPOSED GYPSUM BOARD SHALL BE PAINTED, TYPICAL.
B. WHERE INTERIOR PAINTING LOCATIONS ARE UNCLEAR, CLARIFY WITH ARCHITECT PRIOR TO START OF WORK.
C. PAINT ALL EXPOSED PIPES, CONDUITS, ETCETERA TO MATCH ADJACENT SURFACE.
D. PROVIDE VINYL COVERED ALUMINUM TRIM FOR TACKABLE WALL PANELS, TYPICAL.
E. FINISH FLOOR OR GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT.
F. ALL WALL AND CEILING FINISHES SHALL HAVE A CLASSIFICATION SUCH THAT THE FLAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX VALUES ARE NOT HIGHER THAN THOSE CORRESPONDING TO CLASS C, PER CBC TABLE 803.13.
G. INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS SHALL COMPLY WITH CBC SECTION 804.1.

REMARKS:
1. SEE INTERIOR ELEVATIONS FOR TACKABLE WALL PANEL LOCATIONS.
2. GYPSUM BOARD CEILING ATTACHED TO BOTTOM OF ROOF FRAMING.
3. ASSUME 2 WALL TILE COLORS, TBD.

LEGEND
ACT - ACOUSTICAL CEILING TILES IN SUSPENDED GRID
CB - CEMENT TILE BACKER BOARD
CPT - CARPET
CS - SEALED CONCRETE
CT - CERAMIC TILE
GB - GYPSUM BOARD
MB - 7/8" MORTAR BED
PTD - PAINTED
RB - RUBBER WALL BASE
RS - RESILIENT FLOORING
TWP - 1/2" THK. VINYL COVERED TACKABLE WALL PANELS
WM - 3/16" THK. WALK-OFF MAT

5 FINISH SCHEDULE

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LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

FINISH SCHEDULE AND DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
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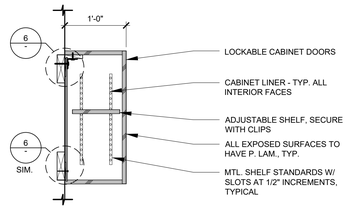
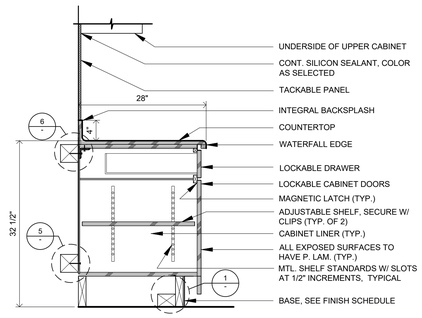
A6.3

NOTE: FOR FASTENERS AT ALL WOOD MEMBERS 4X AND WIDER, PROVIDE 1.5" MIN. EDGE DISTANCE. ELSEWHERE, INSTALL FASTENERS AT THE CENTERLINE OF THE WOOD MEMBER.

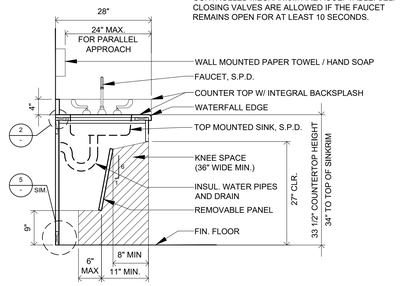


8 UPPER CABINET
W/ HINGED DOORS 1"=1'-0"

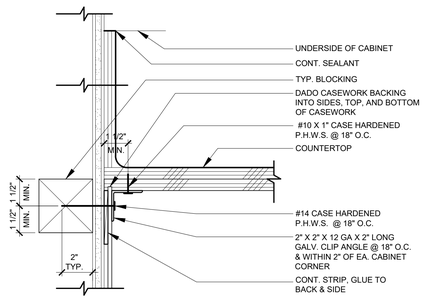


7 TYPICAL BASE CABINET
1"=1'-0"

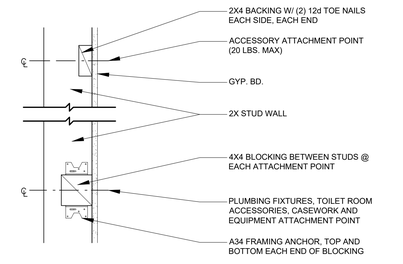
NOTE:
FAUCET CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE W/ ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQ'D TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVEL OPERATED PUSH TYPE & ELECTRONICALLY CONTROLLED MECHANISM ARE ACCEPTABLE. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.



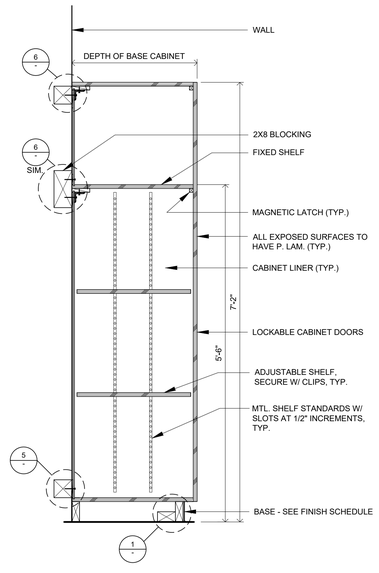
3 ACCESSIBLE CABINET W/ SINK
3/4"=1'-0"



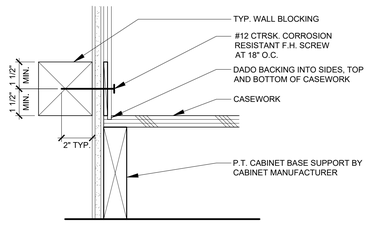
6 BASE CABINET FASTENING
3"=1'-0"



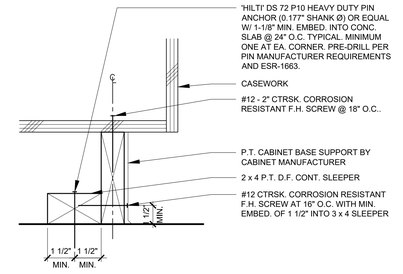
2 TYP. WALL BACKING/ BLOCKING
@ 2X STUD WALL 1-1/2"=1'-0"



9 TALL CABINET
1"=1'-0"



5 CABINET ANCHORAGE
3"=1'-0"



1 CABINET ANCHORAGE
3"=1'-0"

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LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

CASEWORK DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
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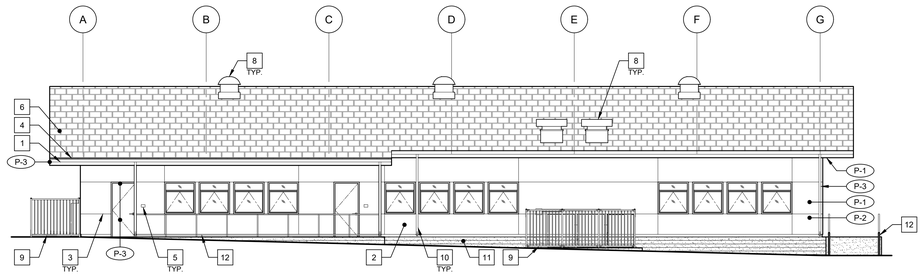
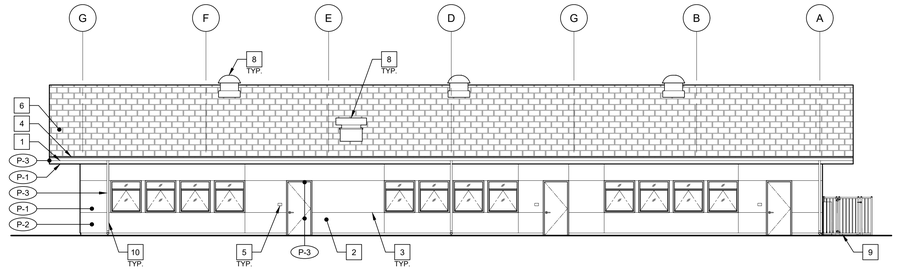
A6.4



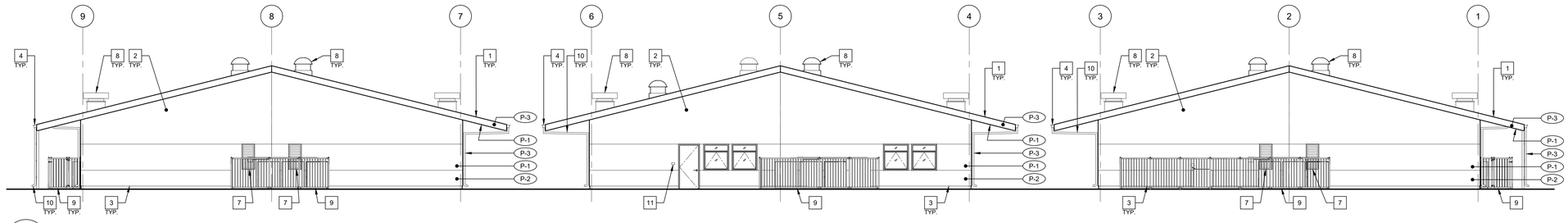
4 WEST ELEVATION
BUILDING 122

1/8" = 1'-0"
0 2' 4' 8' 16' 24'



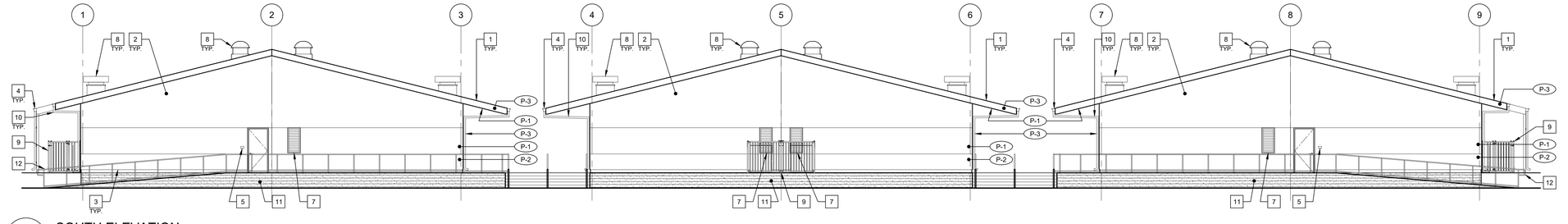
3 EAST ELEVATION
BUILDING 122

1/8" = 1'-0"
0 2' 4' 8' 16' 24'



2 NORTH ELEVATION
BUILDINGS 120, 121, 122

1/8" = 1'-0"
0 2' 4' 8' 16' 24'



1 SOUTH ELEVATION
BUILDINGS 122, 121, 120

1/8" = 1'-0"
0 2' 4' 8' 16' 24'

GENERAL NOTES

A. ALL WALLS, DOORS, TRIM, SOFFITS, PARAPETS, ETC. ARE TO BE PROPERLY PREP'D AND PAINTED FOR COMPLETE BUILDING PAINTING.

EXTERIOR ELEVATION NOTES

1. FASCIA, PAINTED, SEE DETAILS 1 & 2/A9.4
2. CEMENT PLASTER ASSEMBLY, PAINTED.
3. CEMENT PLASTER CONTROL JOINTS, SEE DETAILS 2 & 3/A9.3
4. GUTTER, PREFINISHED.
5. ROOM SIGNAGE, TYPICAL, SEE SIGNAGE ON SHEET A6.1 AND DETAIL 7/A6.3
6. ASPHALT SHINGLES ROOFING, SEE DETAIL 5/A9.4
7. LOUVERS, PAINTED. SEE MECHANICAL DRAWINGS AND DETAIL 11/A6.2
8. MECHANICAL VENT OR INTAKE, SEE MECHANICAL DRAWINGS.
9. FENCED HVAC ENCLOSURE, SEE SITE PLAN AND ENLARGED PLANS ON SHEET A0.3
10. DOWNSPOUT, SEE DETAILS 6 & 9/A9.3
11. SITE RETAINING WALL WITH 2X6 HORIZONTAL BOARD FORM FINISH, SEE SITE PLAN 1/A0.2 AND DETAILS ON SHEET A0.4
12. GUARDRAIL, SEE SITE PLAN 1/A0.2

GRAPHIC KEY

- P-1 PAINT TAG, WALL COLOR 1
- P-2 PAINT TAG, WALL COLOR 2
- P-3 PAINT TAG, TRIM COLOR (TO MATCH PREFINISHED GUTTER COLOR)

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MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

EXTERIOR ELEVATIONS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

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PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A7.1

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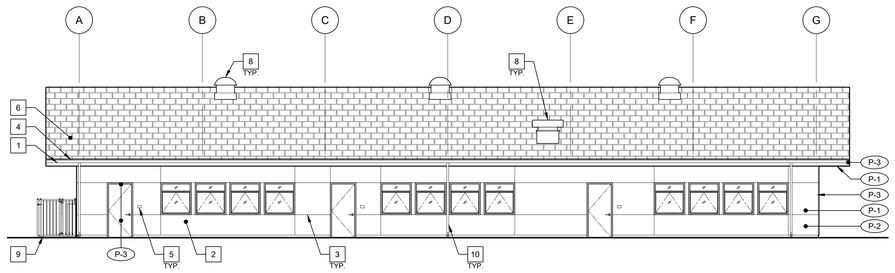
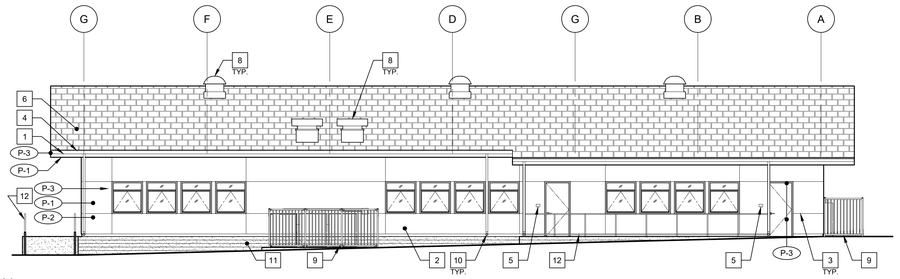


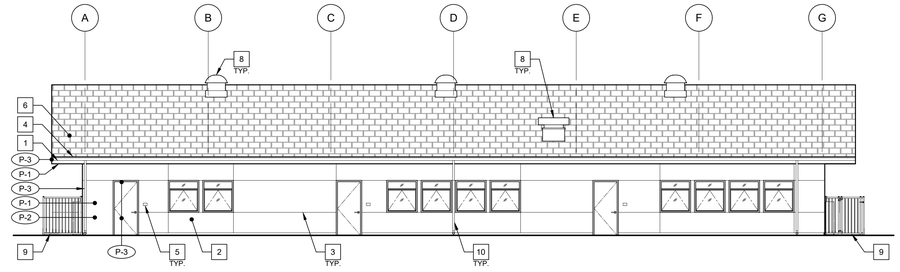
4 WEST ELEVATION
BUILDING 120

1/8" = 1'-0"
0 2' 4' 8' 16' 24'



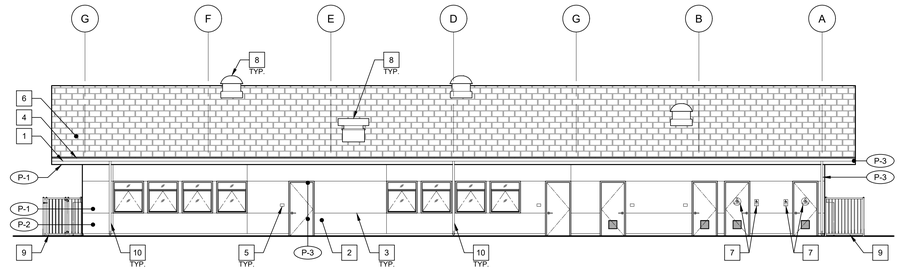
3 EAST ELEVATION
BUILDING 120

1/8" = 1'-0"
0 2' 4' 8' 16' 24'



2 WEST ELEVATION
BUILDING 121

1/8" = 1'-0"
0 2' 4' 8' 16' 24'



1 EAST ELEVATION
BUILDING 121

1/8" = 1'-0"
0 2' 4' 8' 16' 24'

GENERAL NOTES

A. ALL WALLS, DOORS, TRIM, SOFFITS, PARAPETS, ETC. ARE TO BE PROPERLY PREP'D AND PAINTED FOR COMPLETE BUILDING PAINTING.

EXTERIOR ELEVATION NOTES

1. FASCIA, PAINTED, SEE DETAILS 1 & 2/A9.4
2. CEMENT PLASTER ASSEMBLY, PAINTED.
3. CEMENT PLASTER CONTROL JOINTS, SEE DETAILS 2 & 3/A9.3
4. GUTTER, PREFINISHED.
5. ROOM SIGNAGE, TYPICAL, SEE SIGNAGE ON SHEET A6.1 AND DETAIL 7/A6.3
6. ASPHALT SHINGLES ROOFING, SEE DETAIL 5/A9.4
7. RESTROOM WALL AND DOOR SIGNAGE, TYP. SEE SIGN SCHEDULE ON SHEET A6.1 AND DETAIL 7/A6.3
8. MECHANICAL VENT OR INTAKE, SEE MECHANICAL DRAWINGS.
9. FENCED HVAC ENCLOSURE, SEE SITE PLAN AND ENLARGED PLANS ON SHEET A.03
10. DOWNSPOUT, SEE DETAILS 6 & 9/A9.3

GRAPHIC KEY

- P-1 PAINT TAG, WALL COLOR 1
- P-2 PAINT TAG, WALL COLOR 2
- P-3 PAINT TAG, TRIM COLOR (TO MATCH PREFINISHED GUTTER COLOR)

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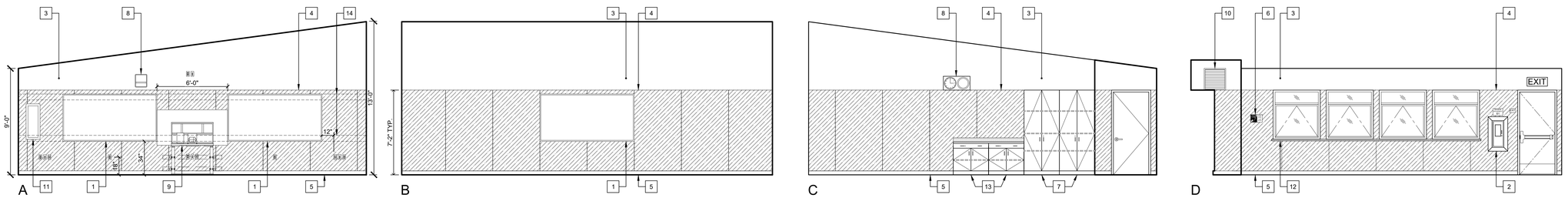
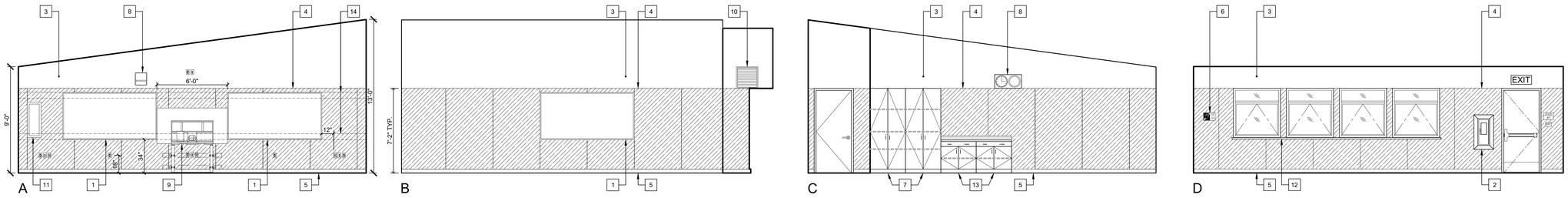


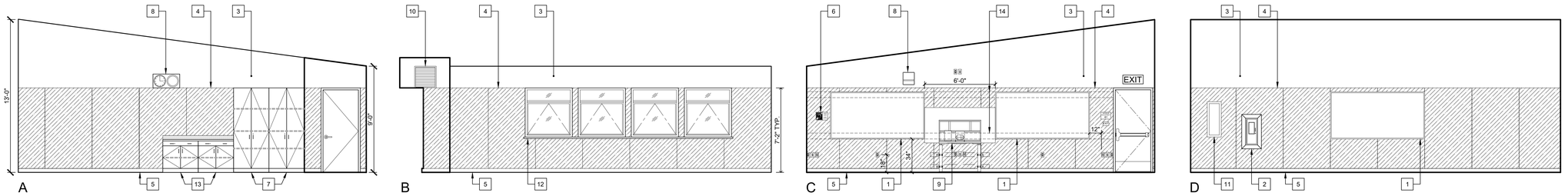
5 INTERIOR ELEVATIONS - CLASSROOM 5

1/4" = 1'-0"



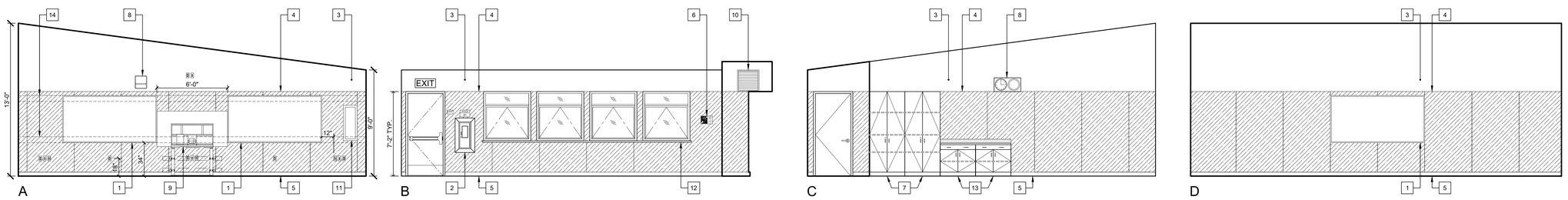
4 INTERIOR ELEVATIONS - CLASSROOM 4

1/4" = 1'-0"



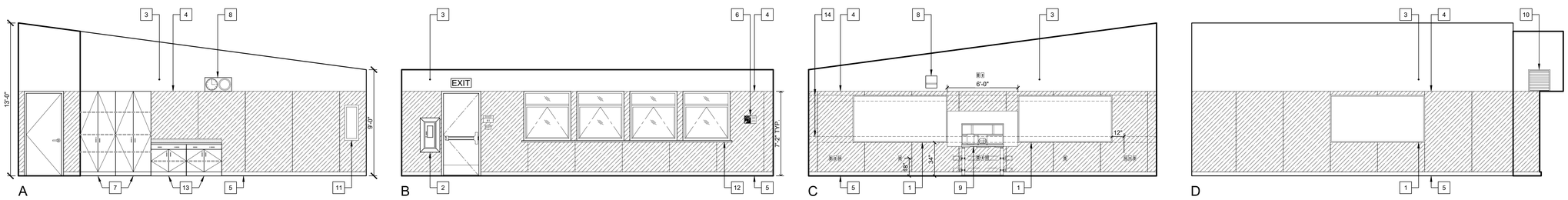
3 INTERIOR ELEVATIONS - CLASSROOM 3

1/4" = 1'-0"



2 INTERIOR ELEVATIONS - CLASSROOM 2

1/4" = 1'-0"



1 INTERIOR ELEVATIONS - CLASSROOM 1

1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK REFERENCE IS IN ACCORDANCE WITH THE NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS AS PART OF THEIR CABINET DESIGN SERIES.
B. CASEWORK SHALL BE LOCKABLE INCLUDING DRAWERS, TYPICAL.

INTERIOR ELEVATION NOTES

1. WHITEBOARD, SEE DETAIL 3/A9.6 FOR ANCHORAGE AND TYPICAL WALL BLOCKING DETAIL 2/A6.4
2. FIRE EXTINGUISHER, SEE DETAIL 7/A9.6
3. EXPOSED GYPSUM WALL BOARD, TO BE PAINTED.
4. VINYL FABRIC COATED TACKABLE WALL PANELS.
5. WALL BASE, SEE FINISH SCHEDULE.
6. ALS SIGN, SEE DETAIL 15/A6.3
7. TALL CABINET, SEE DETAIL 9/A6.4 FOR ANCHORAGE.
8. CLOCK AND SPEAKER, SEE ELECTRICAL DRAWINGS.
9. HEIGHT-ADJUSTABLE SMART BOARD WALL STAND, OWNER FURNISHED AND INSTALLED. CONTRACTOR SHALL PROVIDE WALL BLOCKING PER DETAIL 2/A6.4. BLOCKING TO BE INSTALLED BETWEEN THE WHITE BOARDS. CONFIRM BLOCKING PLACEMENT DOES NOT INTERFERE WITH ELECTRICAL MOUNTING HEIGHTS, WALL BASE INSTALLATION, AND CURBS/SILL PLATES AT EXTERIOR WALLS WHERE APPLICABLE.
10. SIDE WALL RETURN REGISTER, SEE MECHANICAL DRAWINGS.
11. ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS.
12. WINDOW SILL, PAINTED.
13. BASE CABINETS WITH COUNTERTOP, SEE DETAIL 7/A6.4
14. BLOCKING TO BE INSTALLED AT TOP AND BOTTOM OF WHITE BOARDS ACROSS THE ENTIRE WALL. SEE DETAIL 3/A9.6

GRAPHIC KEY

VINYL TACKABLE WALL PANELS

HIGH PRESSURE LAMINATE BACKSPLASH

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A7.3

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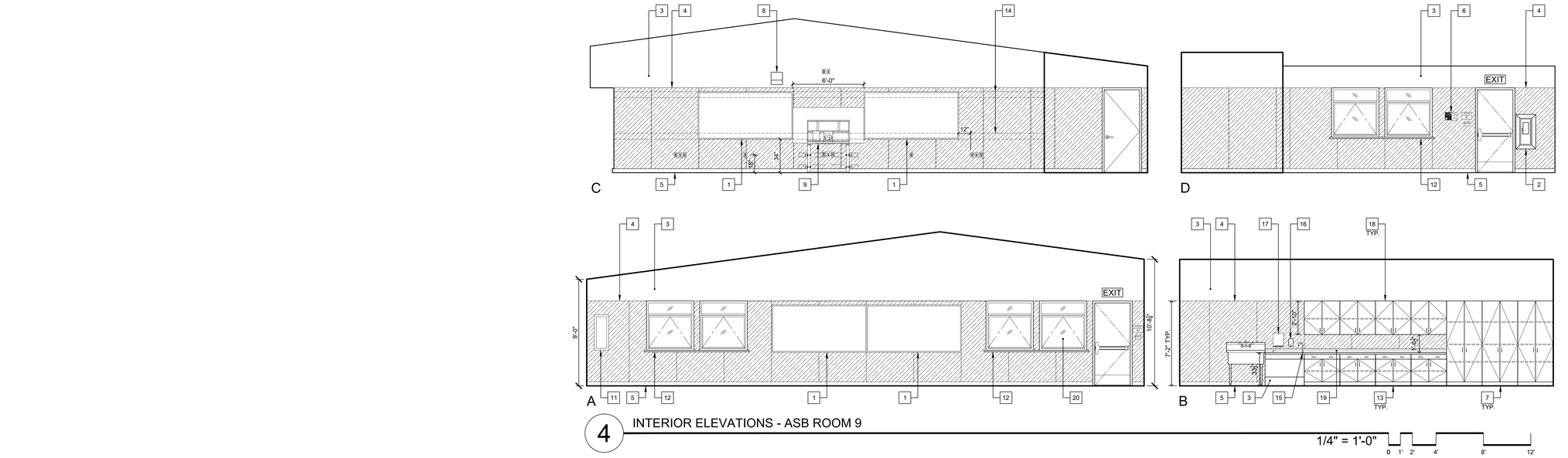
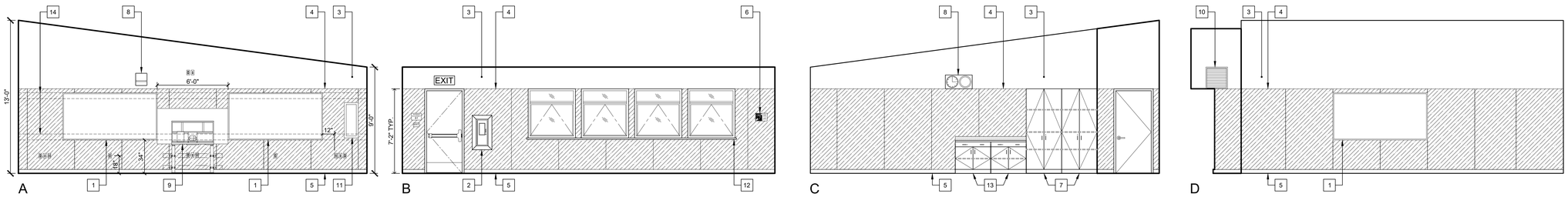


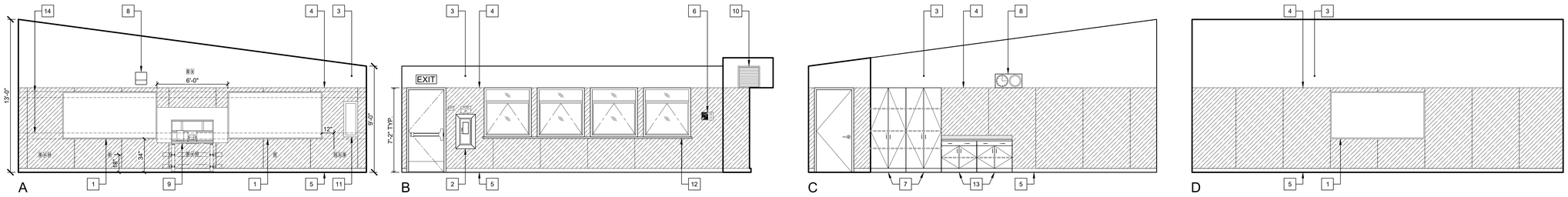
4 INTERIOR ELEVATIONS - ASB ROOM 9

1/4" = 1'-0"



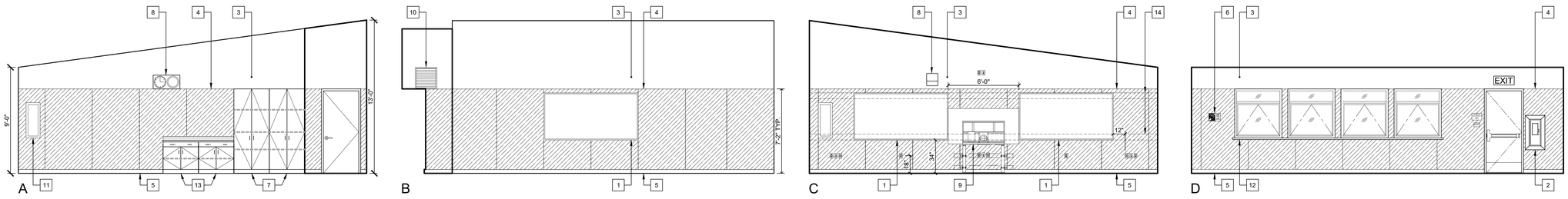
3 INTERIOR ELEVATIONS - CLASSROOM 8

1/4" = 1'-0"



2 INTERIOR ELEVATIONS - CLASSROOM 7

1/4" = 1'-0"



1 INTERIOR ELEVATIONS - CLASSROOM 6

1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK REFERENCE IS IN ACCORDANCE WITH THE NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS AS PART OF THEIR CABINET DESIGN SERIES.
B. CASEWORK SHALL BE LOCKABLE INCLUDING DRAWERS, TYPICAL.

INTERIOR ELEVATION NOTES

1. WHITEBOARD, SEE DETAIL 3/A9.6 FOR ANCHORAGE AND TYPICAL WALL BLOCKING DETAIL 2/A6.4
2. FIRE EXTINGUISHER, SEE DETAIL 7/A9.6
3. EXPOSED GYPSUM WALL BOARD, TO BE PAINTED.
4. VINYL FABRIC COATED TACKABLE WALL PANELS.
5. WALL BASE, SEE FINISH SCHEDULE.
6. ALS SIGN, SEE DETAIL 15/A6.3
7. TALL CABINET, SEE DETAIL 9/A6.4 FOR ANCHORAGE.
8. CLOCK AND SPEAKER, SEE ELECTRICAL DRAWINGS.
9. HEIGHT-ADJUSTABLE SMART BOARD WALL STAND, OWNER FURNISHED AND INSTALLED. CONTRACTOR SHALL PROVIDE WALL BLOCKING PER DETAIL 2/A6.4. BLOCKING TO BE INSTALLED BETWEEN THE WHITE BOARDS. CONFIRM BLOCKING PLACEMENT DOES NOT INTERFERE WITH ELECTRICAL MOUNTING HEIGHTS, WALL BASE INSTALLATION, AND CURBS/SILL PLATES AT EXTERIOR WALLS WHERE APPLICABLE.
10. SIDE WALL RETURN REGISTER, SEE MECHANICAL DRAWINGS.
11. ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS.
12. WINDOW SILL, PAINTED.
13. BASE CABINETS WITH COUNTERTOP, SEE DETAIL 7/A6.4
14. BLOCKING TO BE INSTALLED AT TOP AND BOTTOM OF WHITE BOARDS ACROSS THE ENTIRE WALL. SEE DETAIL 3/A9.6
15. SINK WITH BUBBLER IN BASE CABINET, SEE DETAIL 3/A6.4 AND PLUMBING DRAWINGS.
16. SOAP DISPENSER.
17. PAPER TOWEL DISPENSER.
18. UPPER CABINETS, SEE DETAIL 8/A6.4
19. HIGH PRESSURE LAMINATE BACKSPLASH.
20. CLASS II GLAZING. GLAZING SHALL COMPLY WITH CBC SECTION 2406.2, PER CBC 2406.4.2.

GRAPHIC KEY

VINYL TACKABLE WALL PANELS

HIGH PRESSURE LAMINATE BACKSPLASH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE,
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
No. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

INTERIOR ELEVATIONS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: DATE:
25042 DSA BACKCHECK - 04/24/26

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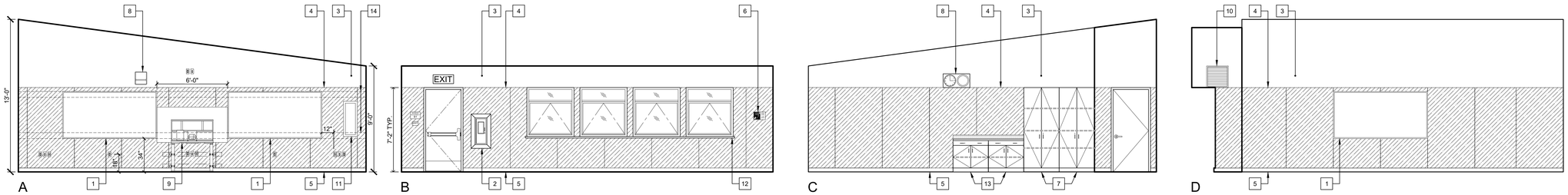
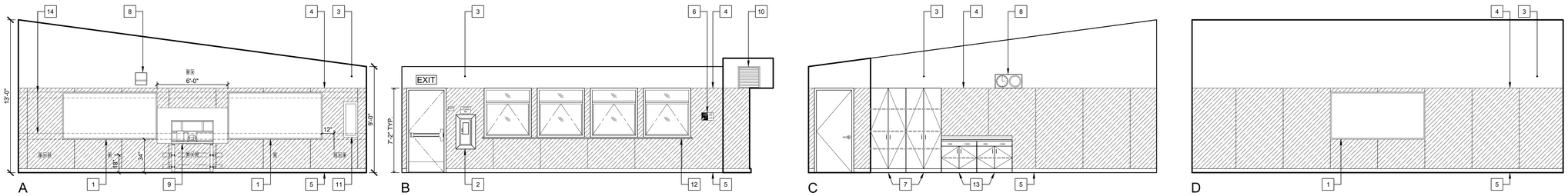


5 INTERIOR ELEVATIONS - CLASSROOM 14

1/4" = 1'-0"



4 INTERIOR ELEVATIONS - CLASSROOM 13

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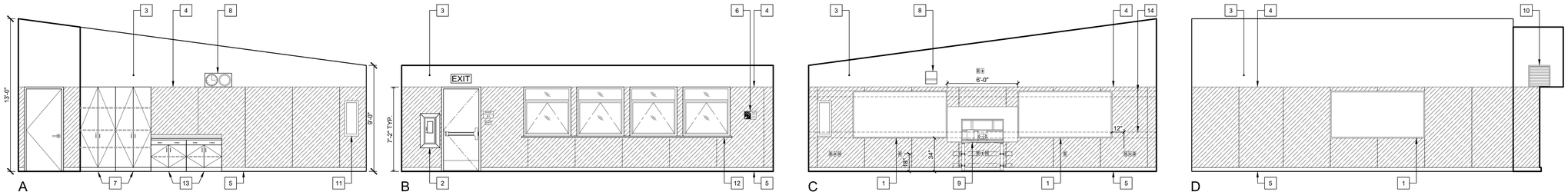
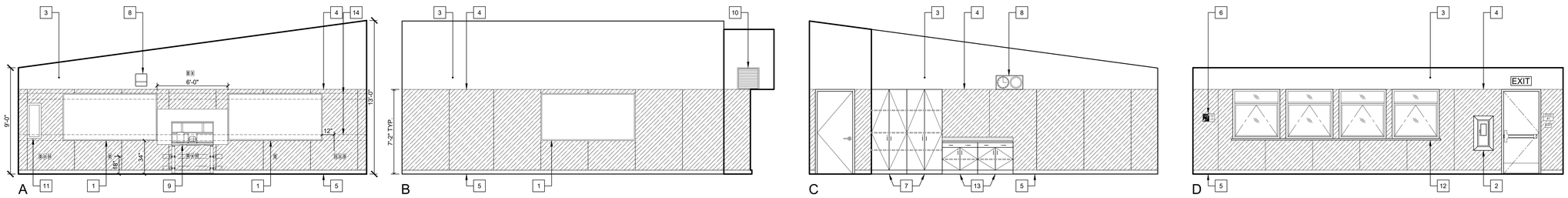


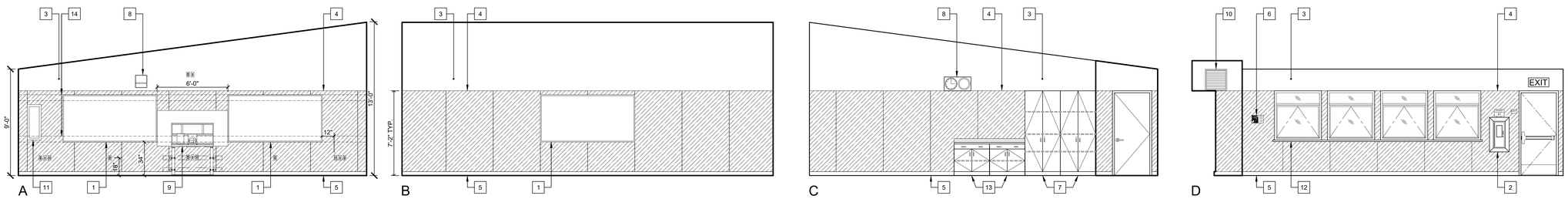
3 INTERIOR ELEVATIONS - CLASSROOM 12

1/4" = 1'-0"



2 INTERIOR ELEVATIONS - CLASSROOM 11

1/4" = 1'-0"



1 INTERIOR ELEVATIONS - CLASSROOM 10

1/4" = 1'-0"

GENERAL NOTES

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INTERIOR ELEVATION NOTES

1. WHITEBOARD, SEE DETAIL 3/A9.6 FOR ANCHORAGE AND TYPICAL WALL BLOCKING DETAIL 2/A6.4
2. FIRE EXTINGUISHER, SEE DETAIL 7/A9.6
3. EXPOSED GYPSUM WALL BOARD, TO BE PAINTED.
4. VINYL FABRIC COATED TACKABLE WALL PANELS.
5. WALL BASE, SEE FINISH SCHEDULE.
6. ALS SIGN, SEE DETAIL 15/A6.3
7. TALL CABINET, SEE DETAIL 9/A6.4 FOR ANCHORAGE.
8. CLOCK AND SPEAKER, SEE ELECTRICAL DRAWINGS.
9. HEIGHT-ADJUSTABLE SMART BOARD WALL STAND, OWNER FURNISHED AND INSTALLED. CONTRACTOR SHALL PROVIDE WALL BLOCKING PER DETAIL 2/A6.4. BLOCKING TO BE INSTALLED BETWEEN THE WHITE BOARDS. CONFIRM BLOCKING PLACEMENT DOES NOT INTERFERE WITH ELECTRICAL MOUNTING HEIGHTS, WALL BASE INSTALLATION, AND CURBS/SILL PLATES AT EXTERIOR WALLS WHERE APPLICABLE.
10. SIDE WALL RETURN REGISTER, SEE MECHANICAL DRAWINGS.
11. ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS.
12. WINDOW SILL, PAINTED.
13. BASE CABINETS WITH COUNTERTOP, SEE DETAIL 7/A6.4
14. BLOCKING TO BE INSTALLED AT TOP AND BOTTOM OF WHITE BOARDS ACROSS THE ENTIRE WALL. SEE DETAIL 3/A9.6

GRAPHIC KEY

VINYL TACKABLE WALL PANELS

HIGH PRESSURE LAMINATE BACKSPLASH

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DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE,
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CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

INTERIOR ELEVATIONS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
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PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

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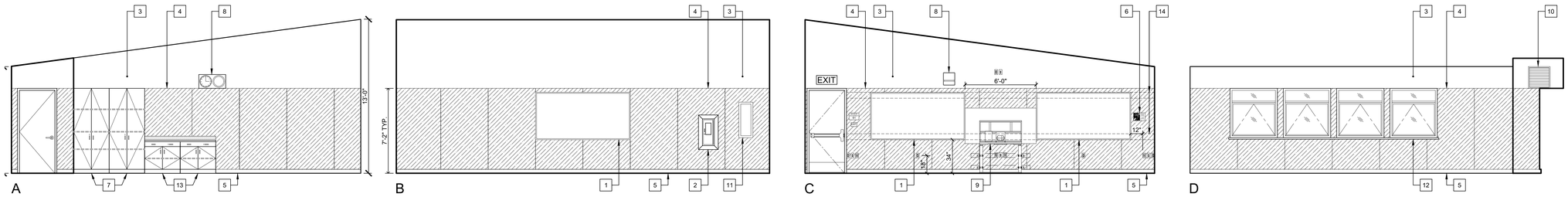
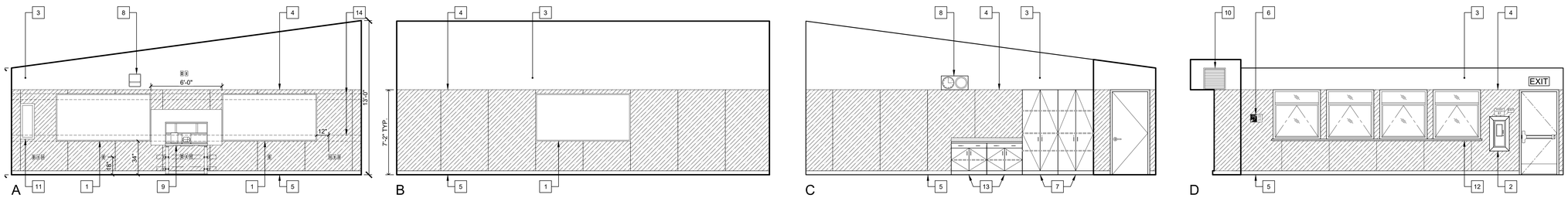
14. BLOCKING TO BE INSTALLED AT TOP AND BOTTOM OF WHITE BOARDS ACROSS THE ENTIRE WALL. SEE DETAIL 3/A9.6



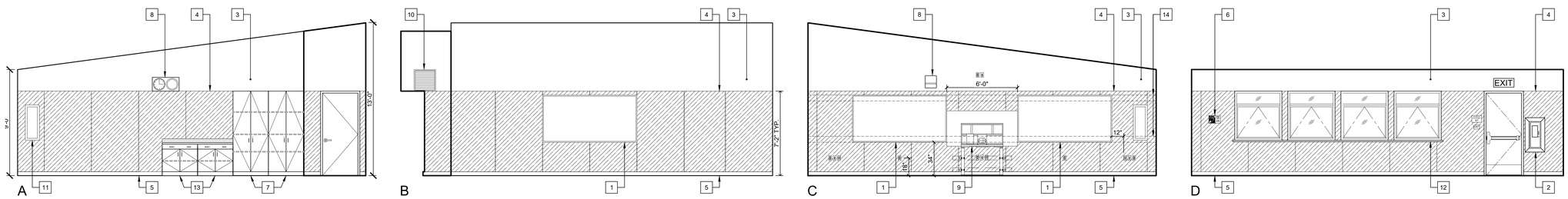
3 INTERIOR ELEVATIONS - CLASSROOM 17

1/4" = 1'-0"



2 INTERIOR ELEVATIONS - CLASSROOM 16

1/4" = 1'-0"



1 INTERIOR ELEVATIONS - CLASSROOM 15

1/4" = 1'-0"

GRAPHIC KEY

VINYL TACKABLE WALL PANELS

HIGH PRESSURE LAMINATE BACKSPLASH

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INTERIOR ELEVATIONS

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REVISIONS

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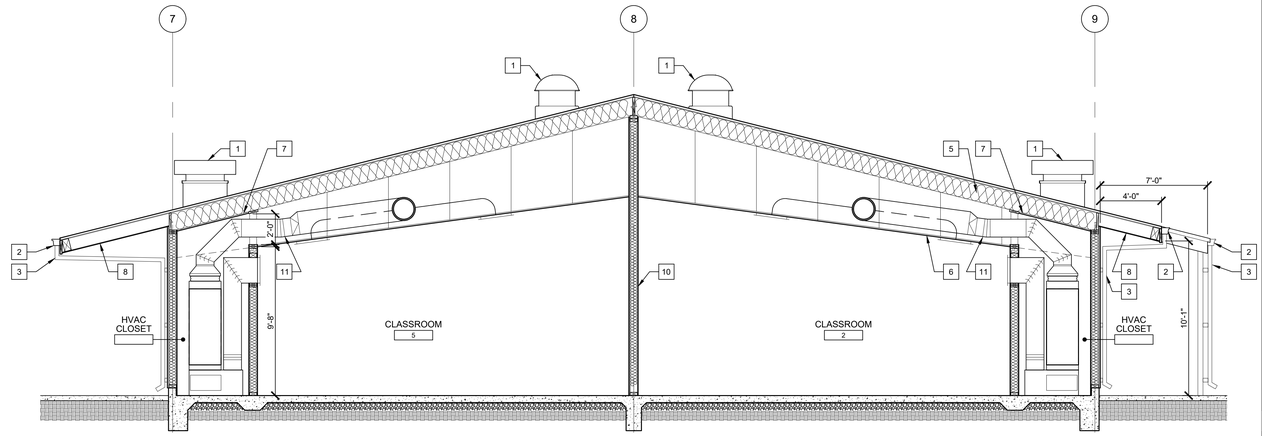
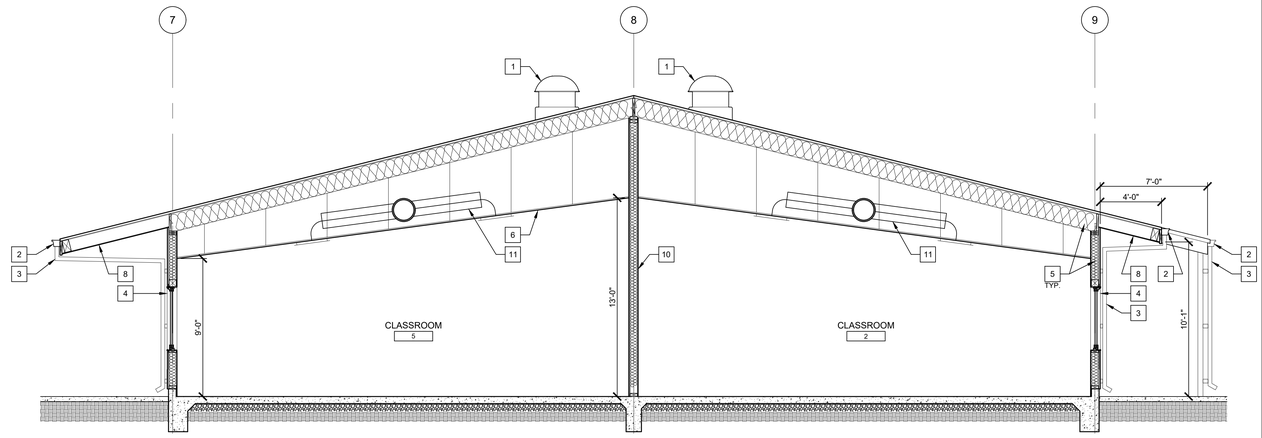


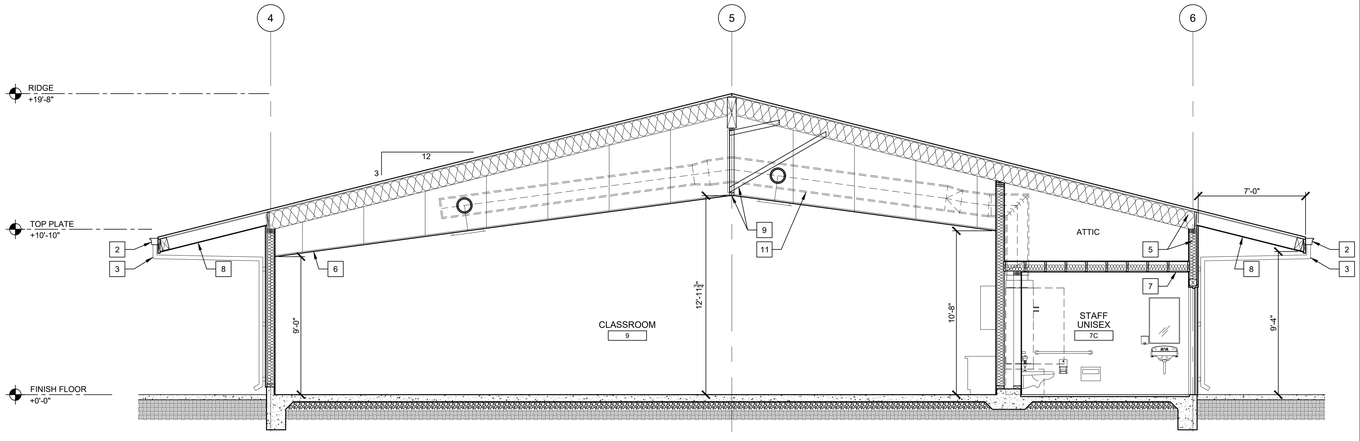
3 CLASSROOM 5 & 2 SECTION @ HEATING CLOSET

1/4" = 1'-0"



2 CLASSROOM 5 & 2 SECTION

1/4" = 1'-0"



1 CLASSROOM 9 SECTION

1/4" = 1'-0"

GENERAL NOTES

A. ALL WALLS, DOORS, TRIM, SOFFITS, PARAPETS, ETC. ARE TO BE PROPERLY PREP'D AND PAINTED FOR COMPLETE BUILDING PAINTING.

SECTION NOTES

1. VENT OR INTAKE, SEE MECHANICAL DRAWINGS.
2. GUTTER, SEE DETAIL 1/A9.4
3. DOWNSPOUT, SEE DETAILS 6 & 9/A9.3
4. WINDOW, SEE WINDOW TYPES ON SHEET A6.2
5. BUILDING INSULATION.
6. ACOUSTICAL CEILING TILE, SEE SHEET A9.5
7. HARD-LID GYPSUM BOARD CEILING.
8. CEMENT PLASTER EXTERIOR SOFFIT, SEE DETAILS 7 & 8/A9.3
9. RIDGE AND CEILING BRACE AT SUSPENDED CEILING, SEE DETAIL 4/A9.5 AND STRUCTURAL DRAWINGS.
10. GYPSUM BOARD EXTENDING TO BOTTOM OF ROOF STRUCTURE, EACH SIDE. SEE FINISH SCHEDULE.
11. MECHANICAL SUPPLY DUCTS, SEE MECHANICAL DRAWINGS.

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LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
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BUILDING SECTIONS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042 DATE: DSA BACKCHECK - 04/24/26

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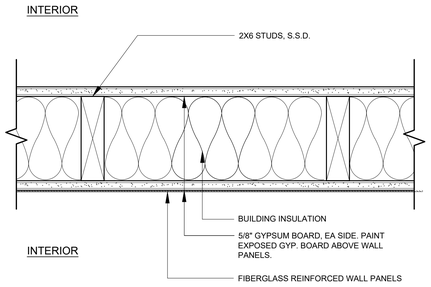
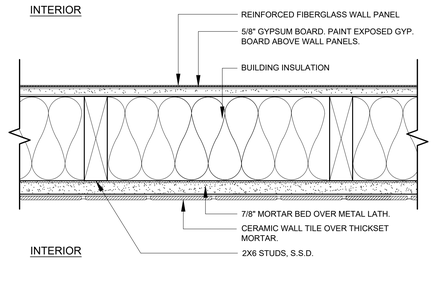


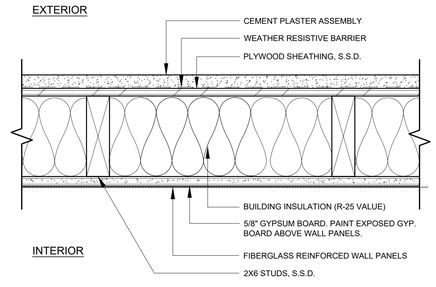
WALL TYPE 12

3"=1'-0"



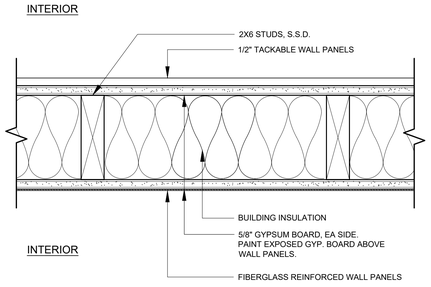
WALL TYPE 8

3"=1'-0"



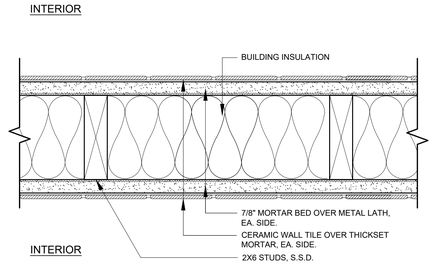
WALL TYPE 4

3"=1'-0"



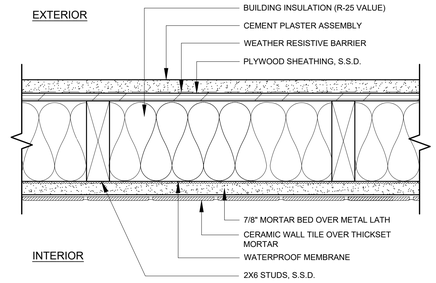
WALL TYPE 11

3"=1'-0"



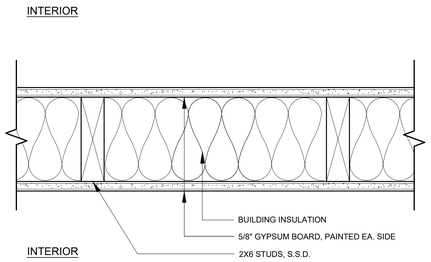
WALL TYPE 7

3"=1'-0"



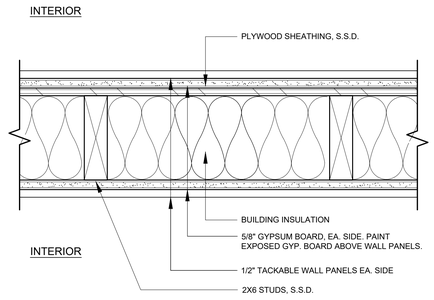
WALL TYPE 3

3"=1'-0"



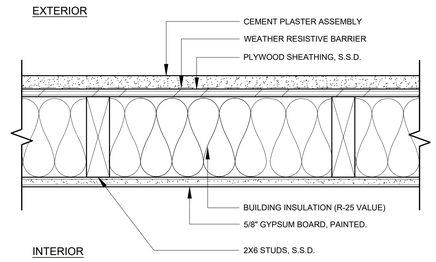
WALL TYPE 10

3"=1'-0"



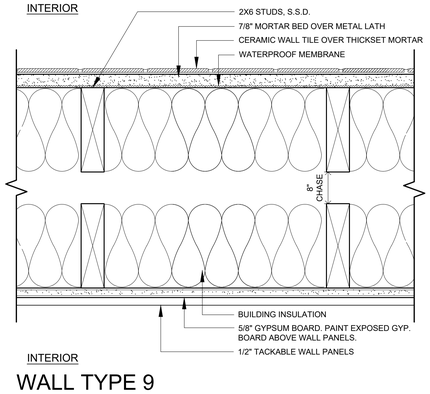
WALL TYPES 6

3"=1'-0"



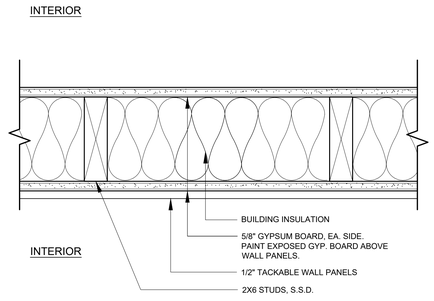
WALL TYPE 2

3"=1'-0"



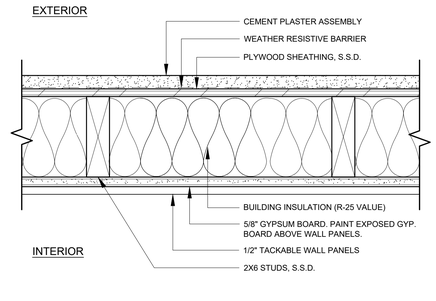
WALL TYPE 9

3"=1'-0"



WALL TYPE 5

3"=1'-0"



WALL TYPE 1

3"=1'-0"

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WALL TYPES

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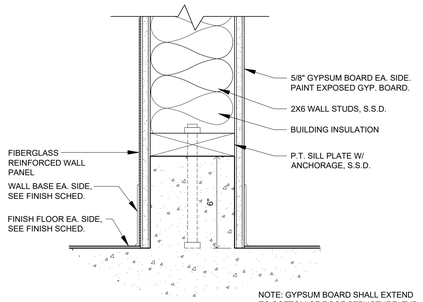
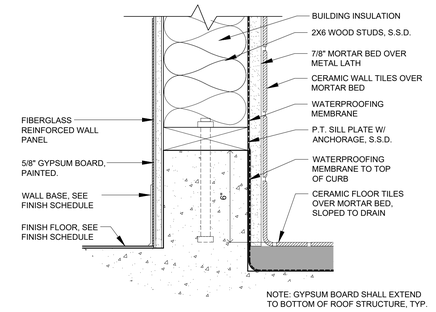


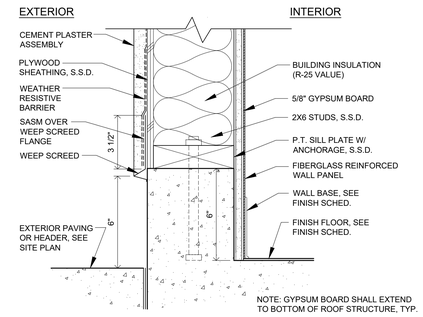
12 WALL BASE DETAIL

WALL TYPE 12 — 3"=1'-0"



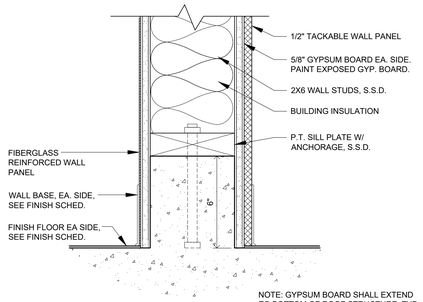
8 WALL BASE DETAIL

WALL TYPE 8 — 3"=1'-0"



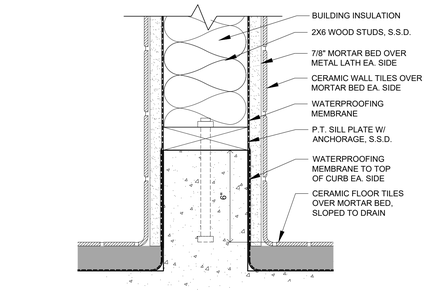
4 WALL BASE DETAIL

WALL TYPE 4 — 3"=1'-0"



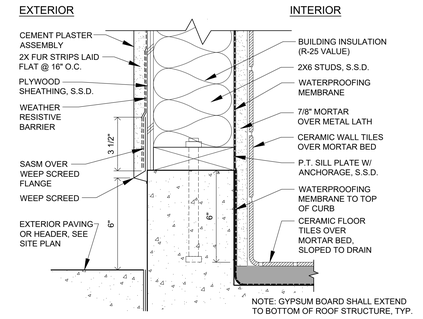
11 WALL BASE DETAIL

WALL TYPE 11 — 3"=1'-0"



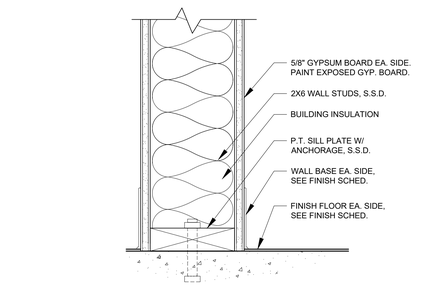
7 WALL BASE DETAIL

WALL TYPE 7 — 3"=1'-0"



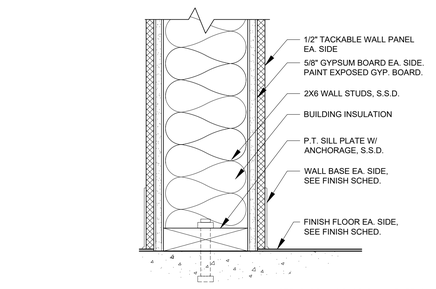
3 WALL BASE DETAIL

WALL TYPE 3 — 3"=1'-0"



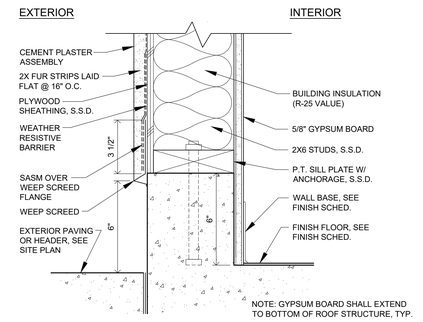
10 WALL BASE DETAIL

WALL TYPE 10 — 3"=1'-0"



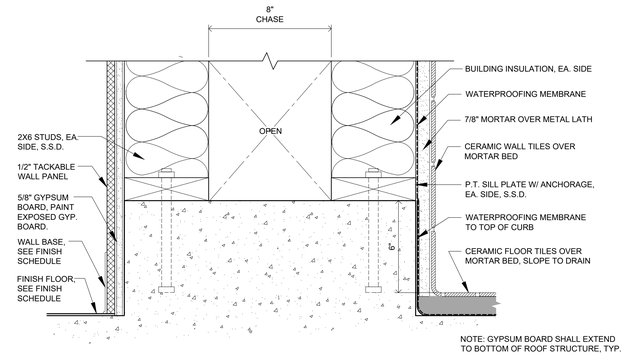
6 WALL BASE DETAIL

WALL TYPE 6 — 3"=1'-0"



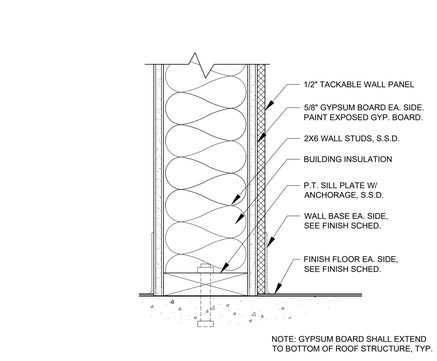
2 WALL BASE DETAIL

WALL TYPE 2 — 3"=1'-0"



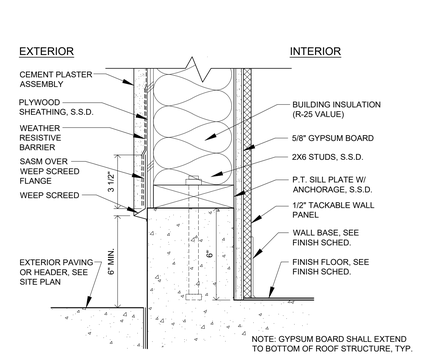
9 WALL BASE DETAIL

WALL TYPE 9 — 3"=1'-0"



5 WALL BASE DETAIL

WALL TYPE 5 — 3"=1'-0"



1 WALL BASE DETAIL

WALL TYPE 1 — 3"=1'-0"

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APP: 03-125793 INC:
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DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
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LICENSED ARCHITECT
MARK C. FINNEY
No. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

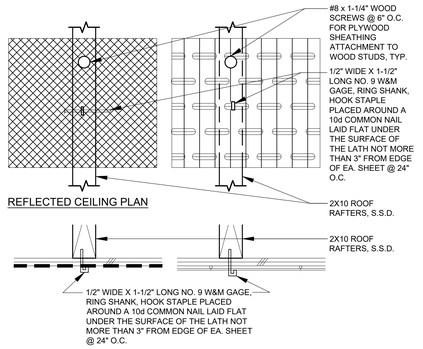
WALL BASE DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

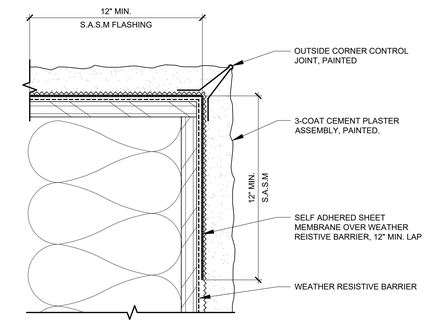
DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A9.2



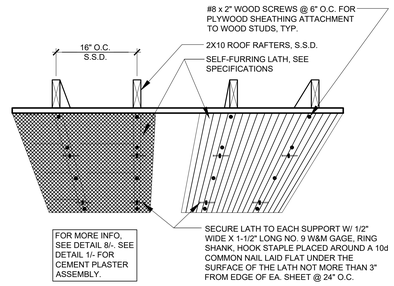
8 HORIZONTAL LATH NAILING

3"=1'-0"



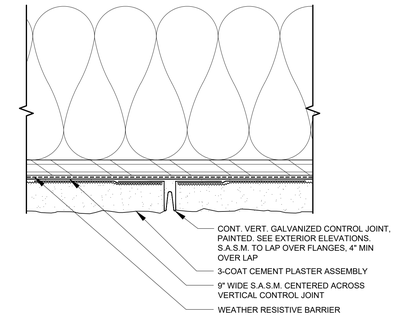
4 CEMENT PLASTER

OUTSIDE CORNER TRIM 6"=1'-0"



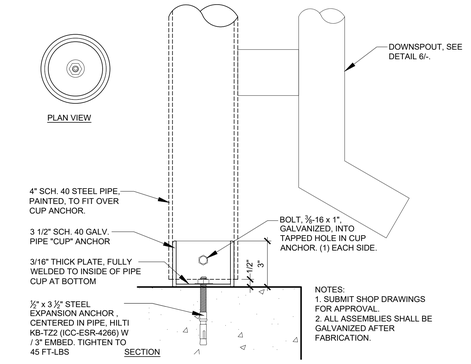
7 HORIZONTAL LATH NAILING

1"=1'-0"



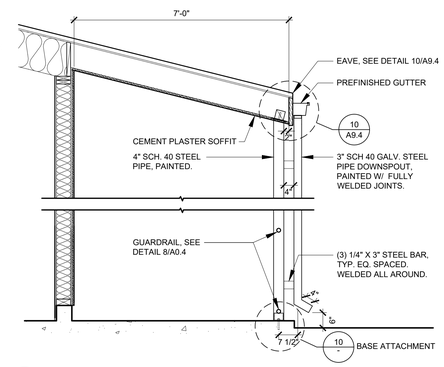
3 TYP. VERTICAL CONTROL JOINT

@ CEMENT PLASTER 6"=1'-0"



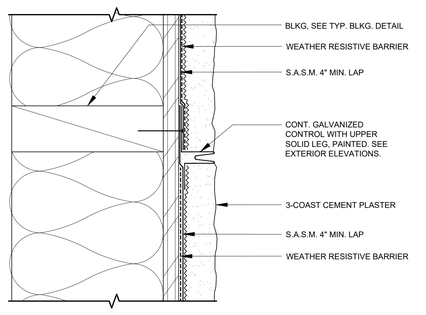
10 DOWNSPOUT SUPPORT COLUMN

AT BASE - CONCEALED ATTACHMENT 3"=1'-0"



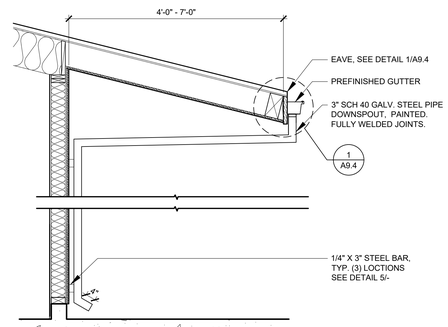
6 DOWNSPOUT WITH COLUMN

1/2"=1'-0"



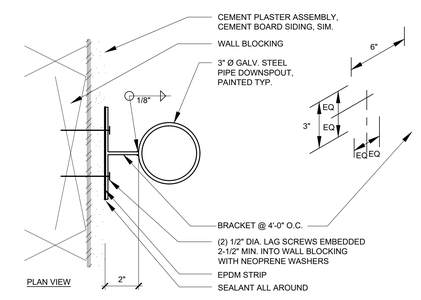
2 TYP. HORIZONTAL CONTROL JOINT

@ CEMENT PLASTER 6"=1'-0"



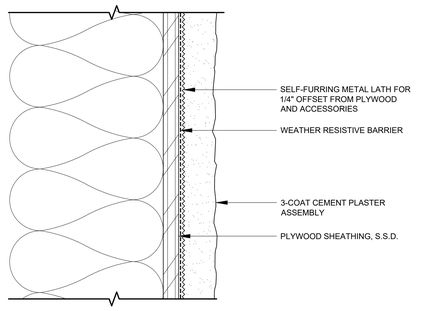
9 DOWNSPOUT AT BUILDING WALL

1/2"=1'-0"



5 DOWNSPOUT DETAIL

@ CEMENT PLASTER ASSEMBLY 3"=1'-0"



1 CEMENT PLASTER SECTION

TYPICAL ASSEMBLY 6"=1'-0"

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LICENSED ARCHITECT
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NO. C-24073
REN. 9-30-27
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EXTERIOR DETAILS

NEW CLASSROOM BUILDINGS AT
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525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
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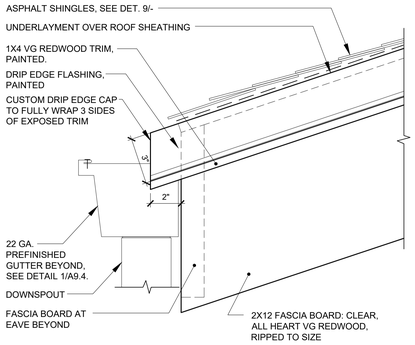
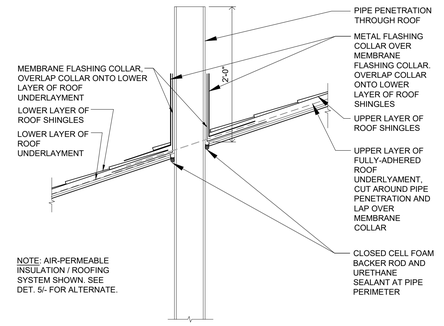
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A9.3



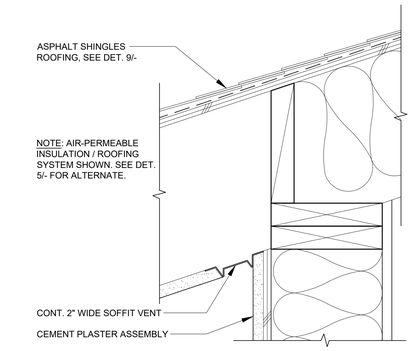
8 FASCIA AT GABLE END

LOWER END 3"=1'-0"



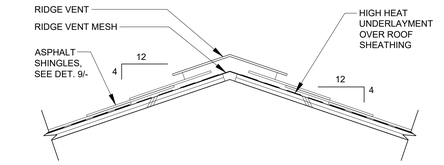
4 PIPE THRU ROOF FLASHING

ASPHALT SHINGLE ROOF 1-1/2"=1'-0"



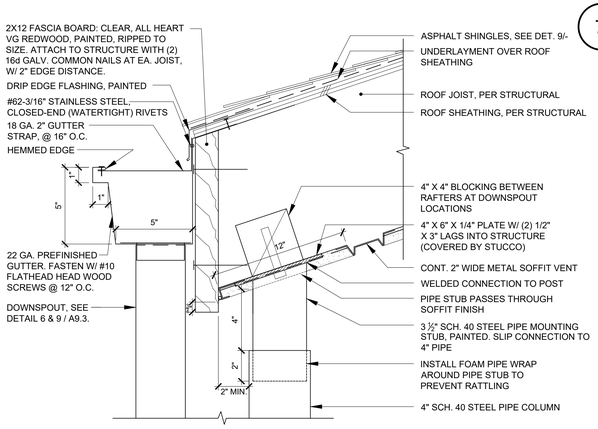
7 EAVE TO WALL TRANSITION

3"=1'-0"



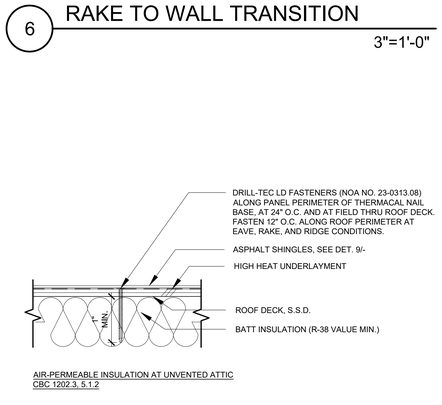
3 RIDGE

ASPHALT SHINGLES 3"=1'-0"



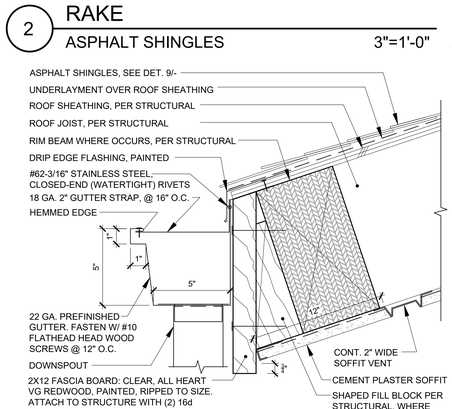
10 EAVE WITH GUTTER

AT DOWNSPOUT WITH COLUMN 3"=1'-0"



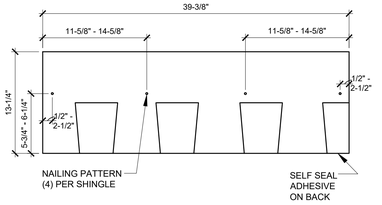
6 RAKE TO WALL TRANSITION

3"=1'-0"



2 RAKE

ASPHALT SHINGLES 3"=1'-0"



BASIS OF DESIGN: CERTAINTEED 'LANDMARK PRO' SERIES, ESR-1389 AND 3537. INSTALL PER MFG'S INSTALLATION INSTRUCTIONS AND THE ESR REPORTS.

FASTENERS MUST COMPLY WITH ASTM F1667 AND MUST BE MINIMUM NO. 12 GAGE, 3/8" Ø HEAD, GALVANIZED, STAINLESS STEEL, BARBED, DEFORMED, OR SMOOTH-SHANK ROOFING NAILS. FASTENERS MUST BE OF SUFFICIENT LENGTH TO PENETRATE 3/4" INTO THE SHEATHING, OR THROUGH THE SHEATHING, WHICHEVER IS LESS.

9 ASPHALT SHINGLE ROOFING

NAILING PATTERN 1-1/2"=1'-0"

AIR-PERMEABLE INSULATION AT UNVENTED ATTIC
CBC 1202.3, 5.1.2

5 ASPHALT SHINGLE ROOFING

3"=1'-0"

1 EAVE WITH GUTTER

AT DOWNSPOUT AT BUILDING WALL 3"=1'-0"

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No. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

ROOF DETAILS

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LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
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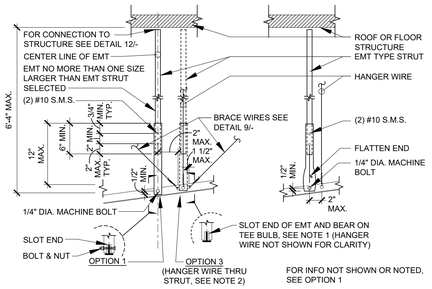
DATE: DSA BACKCHECK - 04/24/26

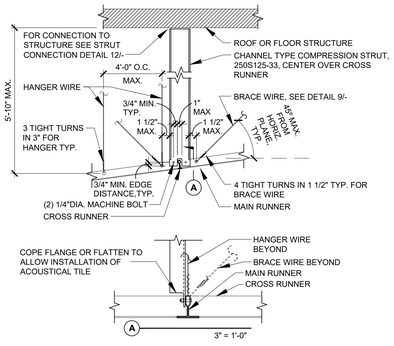
A9.4



NOTES:
1. MACHINE BOLT IS NOT REQUIRED ON OPTION 3.
2. OPTION 3 IS PERMITTED ONLY WHERE THE ROOF OR FLOOR STRUCTURE IS SAWN TIMBER WITHOUT GYPSUM BOARD.

19 COMPRESSION STRUT - EMT

(IR 25-2 DET. 3.20) 1"=1'-0"



18 COMPRESSION STRUT - CHANNEL

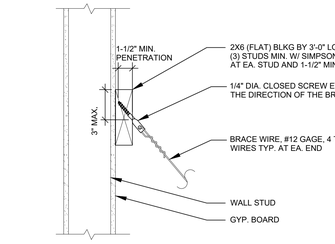
(IR 25-2 DET. 3.10) 1"=1'-0"

COMPRESSION STRUT EMT SECTION	MAX. LENGTH
1/2" DIA. EMT (0.042" WALL THICKNESS)	3'-11"
3/4" DIA. EMT (0.049" WALL THICKNESS)	6'-4"
1" DIA. EMT (0.057" WALL THICKNESS)	9'-9"
1 1/4" DIA. EMT (0.065" WALL THICKNESS)	12'-9"
1 1/2" DIA. EMT (0.065" WALL THICKNESS)	14'-9"
2" DIA. EMT (0.065" WALL THICKNESS)	18'-10"

COMPRESSION STRUT CHANNEL SECTION	MAX. LENGTH
250S125-33	5'-10"
250S137-33	6'-10"
362S137-33	8'-0"
250S137-43	8'-10"
400S137-43	10'-10"

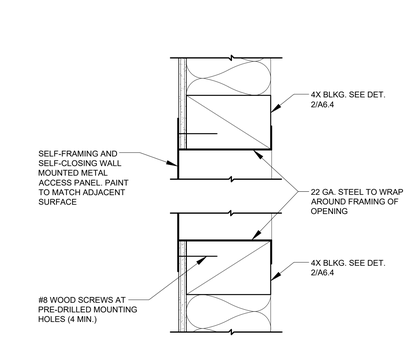
17 COMPRESSION STRUT TABLE

(IR 25-2 TABLE 3.21) N.T.S.



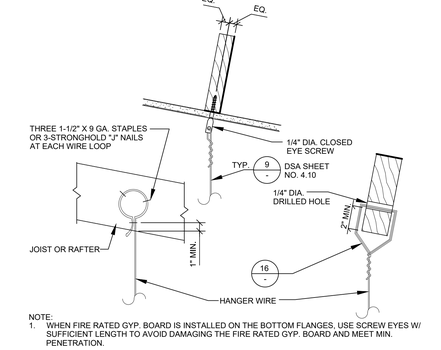
16 TYPICAL SADDLE TIE

(IR 25-2 DET. 4.29) 3"=1'-0"



15 BRACING WIRE CONNECTION

WALL MOUNTED 1-1/2"=1'-0"



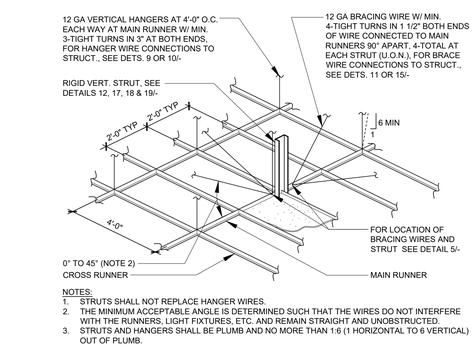
11 BRACE WIRE CONNECTION - WOOD

(IR 25-2 DET. 4.35) 1"=1'-0"

NOTE:
1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

10 HANGER WIRE CONNECTION

(IR 25-2 DET. 4.25) 1-1/2"=1'-0"



NOTES:
1. WEB OF CHANNEL TO BEAR W/IN WIDTH OF WOOD MEMBER.
2. VERTICAL LEG OF MEMBER TO FALL W/IN THE WIDTH OF THE WOOD MEMBER.
3. PEN. = MINIMUM PENETRATION OF LAG SCREW THREADS INTO THE WOOD MEMBER.
4. NO. 14 WOOD SCREW MAY BE USED IN LIEU OF 1/4" LAG SCREW.

12 STRUT CONNECTION - WOOD

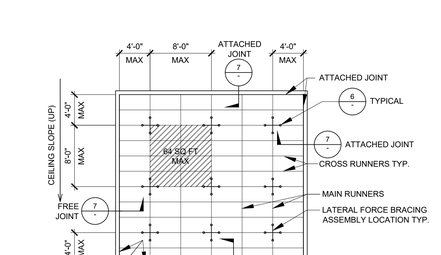
(IR 25-2 DET. 5.51) 1"=1'-0"

NOTES:
1. LATERAL FORCE BRACING ASSEMBLIES NOT SHOWN FOR CLARITY. REFER TO TYP. CEILING PLAN.
2. CEILING PANELS WITH ACCESS KERF A ORIENTED TOWARDS THE TOP OF THE SLOPE.

CEILING PLAN: SLOPE ≤ 15°

8 PANEL H.D. AND SEISMIC CLIPS

AT SLOPED CEILING SCALE: 1/8"=1'-0"



NOTES:
1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" 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" OR LESS.
2. FASTEN ANGLE TO WALL STUD OR BLOCKING THROUGH PRE-DRILLED HOLES IN SHIM, WITH #10 TRUSS HEAD WOOD SCREWS @ 16" O.C. MAX.
3. SEISMIC CLIP BY ARMSTRONG - BEAM END RETAINING CLIP (BERC-2) PER ICC-ESR #1308. CLIPS SHALL BE ATTACHED TO WALL ANGLE WITH (2) #8 TRUSS HEAD S.M. SCREWS.

7 CEILING PERIMETER

(IR 25-2 DET. 2.60) 3"=1'-0"

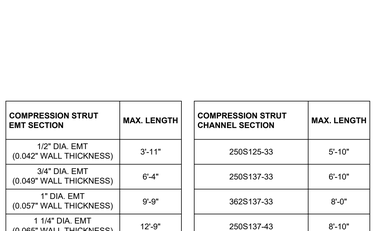
NOTES:
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.
3. STRUTS AND HANGERS SHALL BE PLUMB AND NO MORE THAN 1:6 (1 HORIZONTAL TO 6 VERTICAL) OUT OF PLUMB.

6 BRACING ASSEMBLY

(IR 25-2 DET. 2.35) 3"=1'-0"

5 8' X 8' BRACE ASSEM. SPACING

(IR 25-2 DET. 2.10) SCALE: 1/8"=1'-0"

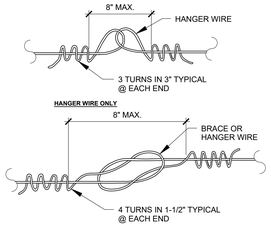


18 COMPRESSION STRUT - CHANNEL

(IR 25-2 DET. 3.10) 1"=1'-0"

14 NON-RATED ATTIC ACCESS PANEL

WALL MOUNTED 3"=1'-0"



NOTES:
- WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN CONSTRUCTED.
- WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION WITHIN THE LOOPS.
- EACH HANGER AND BRACE WIRE SHALL BE SPLICED NO MORE THAN ONCE ALONG ITS LENGTH.

13 CEILING WIRE SPLICES

(DSA IR 25-2 DET. 6.10) 3"=1'-0"

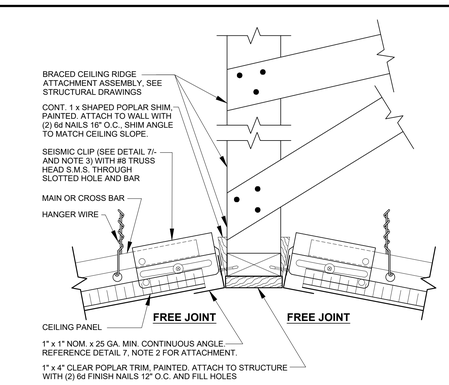
9 HANGER & BRACE WIRE CONN.

(IR 25-2 DET. 4.10) 3"=1'-0"

NOTE:
BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ.FT. MAX. IN ROOMS OVER 144 SQ. FT.

4 CEILING RIDGE

AT SLOPED CEILING 3"=1'-0"



ACOUSTICAL CEILING NOTES

1. CEILING SYSTEM GENERAL NOTES:

1.1. CEILING SYSTEM COMPONENT SHALL COMPLY WITH ASTM C635 AND SECTION 5.1 ASTM E580.
1.2. THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
1.3. CEILING SYSTEMS.
THE FOLLOWING CEILING SYSTEMS ARE PART OF THE SCOPE OF THIS PROJECT:

B.O.D. MANUFACTURER: ARMSTRONG WORLD INDUSTRIES, INC.
PRODUCT NAME: 7301, HEAVY DUTY, 15/16" FACE, EXPOSE T.
ICC #: ESR-1308
MAIN RUNNER: 7301
CROSS RUNNER: XL-7342
1.4. SEISMIC WALL CLIP: ARMSTRONG BERC2 CLIP
1.5. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, AND CONDUIT, ETC.
1.6. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.

2. MATERIALS:

2.1. CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641-09a. WIRE SHALL BE #12 GAGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM TENSILE STRENGTH = 70 KSI.
2.2. 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 A3.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, (AISI S100). MATERIAL 43 MIL (18 GAGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16 GAGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
2.3. FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBERS, IT IS NOT MANDATORY TO PROVIDE 3/4" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH AREA FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE 3/4" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID RUNNERS/MEMBERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF CEILING TILE MATERIAL.

3. ATTACHMENT OF HANGER AND BRACING WIRES:

3.2. HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO: PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.
3.3. HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.
3.4. SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
3.5. 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:

4.1. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513, ASME B18.6.3. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
4.2. EXPANSION ANCHORS SHALL BE: N/A
4.3. POWER-ACTUATED FASTENERS SHALL BE: N/A
4.4. IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTER IS DRIVEN THROUGH THE STEEL MEMBER.
4.5. 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.

6. LIGHT FIXTURES:

6.1. 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.
6.2. 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 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LBS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.
6.3. LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LBS. SUPPORTED DIRECTLY ON THE CEILING RUNNERS SHALL HAVE A MINIMUM OF OF ONE (1) #12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
6.4. LIGHT FIXTURES WEIGHING GREATER THAN 10 LBS. BUT LESS THAN OR EQUAL TO 56 LBS. SUPPORTED DIRECTLY ON THE CEILING RUNNERS SHALL HAVE A MINIMUM OF TWO (2) #12 GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURES 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.
6.5. ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LBS. SHALL BE INDEPENDENTLY SUPPORTED BY THE STRUCTURE ABOVE. SEE SUPPORT DETAILS ON THESE DRAWINGS FOR MORE INFORMATION.

7. SERVICES WITHIN THE CEILING:

7.1. 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.
7.2. CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LBS. SHALL HAVE ONE (1) #12 GAGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.3. CEILING-MOUNTED SERVICES WEIGHING MORE THAN 20 LBS. BUT LESS THAN OR EQUAL TO 56 LBS. SHALL HAVE TWO (2) #12 GAUGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.4. CEILING-MOUNTED SERVICES WEIGHING MORE THAN 56 LBS. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE. SEE SUPPORT DETAILS ON THESE DRAWINGS FOR MORE INFORMATION.

8. OTHER DEVICES WITHIN THE CEILING:

8.1. ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC, SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LBS. SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

1 CEILING NOTES

(IR 25-2 APPENDIX A)

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APP: 03-125793 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

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CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24073
REN. 9-30-27
STATE OF CALIFORNIA

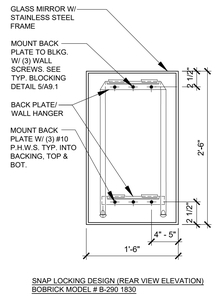
CEILING DETAILS

NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

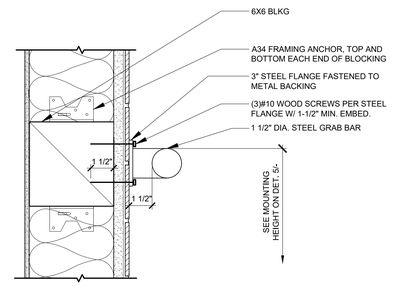
A9.5



SNAP LOCKING DESIGN (REAR VIEW ELEVATION)
BOBRICK MODEL # B-290 1830

8 MIRROR ANCHORAGE

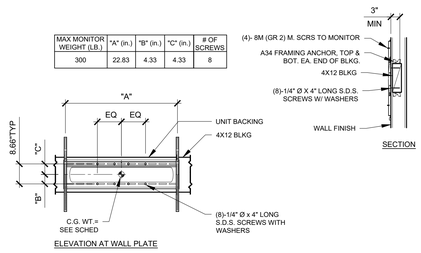
N.T.S.



4 GRAB BAR ANCHORAGE

3"=1'-0"

MAX MONITOR WEIGHT (LB.)	"A" (in.)	"B" (in.)	"C" (in.)	# OF SCREWS
300	22.83	4.33	4.33	8



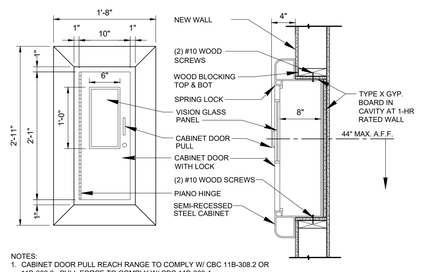
ELEVATION AT WALL PLATE

SECTION

NOTES:
1. FORCES ARE DETERMINED PER 2022 CBC AND ASCE 7-16.
2. BASIS OF DESIGN: NEWLINE WALL MOUNT FOR 55"-86" MONITORS, 300 LBS MAX WEIGHT.

11 TV / MONITOR WALL MOUNTING

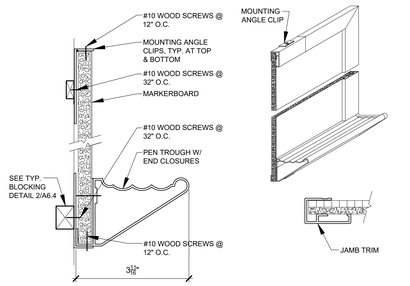
1/2"=1'-0"



NOTES:
1. CABINET DOOR PULL REACH RANGE TO COMPLY W/ CBC 11B-308.2 OR 11B-308.3. PULL FORCE TO COMPLY W/ CBC 11B-309.4.
2. CABINET TO BE RATED WHERE INSTALLED IN A RATED WALL ASSEMBLY.
3. CAULK AROUND ENTIRE CABINET. COLOR TO MATCH CABINET.

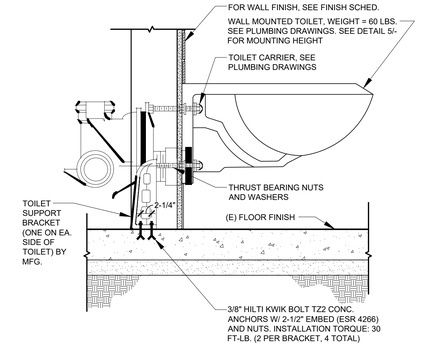
7 FIRE EXTINGUISHER CABINET

SEMI-RECESSED 1"=1'-0"



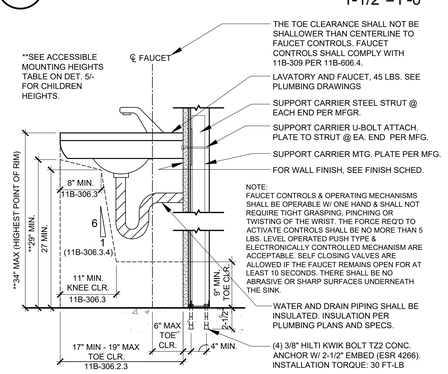
3 MARKER BOARD ANCHORAGE

N.T.S.



10 TOILET ANCHORAGE

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



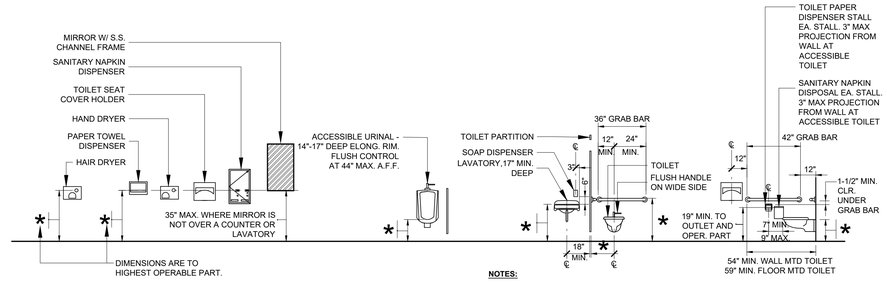
9 LAVATORY MOUNTING

ADULT HEIGHT 1"=1'-0"

ACCESSIBLE MOUNTING HEIGHTS TABLE

FIXTURE	HEIGHT: ADULT
TOILET OFFSET	17" - 18"
TOILET SEAT HEIGHT	17" - 19"
TOP OF GRAB BAR GRIPPING SURFACE	33" - 36"
T.P. DISPENSER OUTLET (A.F.F., TO CENTERLINE OF OUTLET OR ROLL)	19" MIN.
FURTHEST T.P. DISPENSER IN FRONT OF W.C.	7" - 9" TO CENTERLINE
LAV / SINK RIM HEIGHT	34" MAX.
LAV / SINK KNEE CLEARANCE	27" MIN. (29" MIN. AT APRON FOR LAVATORY)
URINAL HEIGHT	17" MAX.
URINAL PROJECTION	13-1/2" MIN.
URINAL FLUSH CONTROL HEIGHT	44" MAX.
HIGH D.F. SPOUT HEIGHT	38" - 43"
LOW D.F. APPROACH, SPOUT HEIGHT, AND SPOUT LOCATION FROM FRONT EDGE OF THE UNIT INCLUDING BUMPERS	FRONT APPROACH PER 11B-306, 36" MAX.A.F.F. AND 5" MAX. FROM FRONT EDGE OF THE UNIT
D.F. OPERABLE PARTS	6" MAX. FROM FRONT EDGE OF THE UNIT
CANTILEVER D.F. PROJECTION	18" - 19"
TOE CLEARANCE AT TOILET PARTITION	9" MIN.
TOILET AND BATHING ROOM SHELF HEIGHT	40" - 48"
MIRROR HEIGHT (BOTTOM EDGE OF REFLECTING SURFACE)	40" MAX. (ABOVE LAV. OR COUNTERTOP) 35" MAX. (NOT ABOVE LAV. NOR COUNTERTOP)
MIRROR HEIGHT (BOTTOM EDGE OF REFLECTING SURFACE) IN DRESSING, FITTING, AND LOCKER ROOMS	20" MAX.
PAPER TOWEL DISPENSER, TOILET SEAT COVER DISPENSER HIGHEST OPER. PART	40" MAX.

NOTE: ALL HEIGHT DIMENSIONS ARE A.F.F. (OR A.F.G. FOR EXTERIOR). ALL HORIZONTAL DIMENSIONS ARE TO FACE-OF-FINISH.



NOTES:
* SEE ACCESSIBLE MOUNTING HEIGHTS TABLE FOR ACCESSIBLE DIMENSIONS.

5 TYPICAL FIXTURE MOUNTING HEIGHTS

SCALE: 1/4"=1'-0"

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LICENSED ARCHITECT
MARK C. FINNEY
RENEWAL 9-30-27
NO. C-24073
STATE OF CALIFORNIA

FIXTURES AND EQUIPMENT DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: GR, AB, MB
CHECKED BY: MF, JT
PROJECT NO: 25042
DATE: DSA BACKCHECK - 04/24/26

A9.6

NIPOMO HIGH SCHOOL

525 N. THOMPSON AVENUE
NIPOMO, CA 93444

STRUCTURAL OBSERVATIONS

The structural engineer, or another registered design professional designated by the owner or owner's representative, (referred to as the "Structural Observer") shall perform periodic structural observations of construction per 2022 CBC Section 1704.6 and as defined in Section 202.

"Structural Observation" means the visual observation of the structural system by a registered design professional for general conformance to the approved construction documents. Structural observation does not include or waive the responsibility for inspections required by the code, the contract documents, DSA, or the owner. Additionally, structural observation does not waive any responsibility of the contractor to conform to all the requirements of the contract documents.

Structural observation shall consist of site visits at various stages of construction. Depending upon the Contractor's means, methods, sequences, or procedures, more than one structural observation may be required for each structural 'stage' in order to adequately observe the work throughout the project. Stages of construction requiring structural observation are as follows:

1. FOUNDATIONS AND OTHER CONCRETE WORK:
   Observe excavations, reinforcement, anchors and other embedded items, prior to concrete pour.
2. GRAVITY SYSTEM FRAMING:
   Observe framing members (e.g. studs and joists) and connections, prior to covering.
3. LATERAL SYSTEM FRAMING:
   Observe framing, blocking, connections, sheathing and nailing, prior to covering.
4. LATERAL SYSTEM HARDWARE:
   Observe holdown anchors, straps, clips and other connectors, prior to covering.
5. SHEARWALLS:
   Observe framing, sheathing and hardware, prior to covering.
6. COMPLETION OF THE STRUCTURAL SYSTEM:
   Observe completion of the structural system, after all deficiencies have been corrected, prior to covering.

GENERAL NOTES

1. The notes on this Title Sheet apply to and are in effect for all parts of the project, unless noted otherwise. Refer to the Structural Specifications (on Sheet S0.2 & Sheet S0.3) for additional structural requirements. Refer to the drawings, notes, and specifications of the Architect, Mechanical Engineer, Electrical Engineer, Civil Engineer, and other consultants for additional requirements.
2. **Do not scale these drawings.** Refer to written dimensions. Drawings are not necessarily to scale. The Contractor is to use architectural dimensions to lay out walls, framing, foundations, and other elements. The Contractor is to verify all dimensions and conditions and report any discrepancies to the Architect prior to commencing with any directly or indirectly related work.
3. T&S Structural's details are prepared to convey only structural aspects of each element shown. Non-structural information, including but not limited to fenestrations, fire-resistance, insulation, finishes, waterproofing, drainage, and flashing may not be included on the structural plans. The Contractor must obtain non-structural information related to each detail from the Architect, architectural plans, and plans provided by other consultants. Brace equipment per the manufacturer's specifications.
4. No deviations from these structural plans, details, and specifications are allowed without written approval from T&S Structural. Approval by an inspector or any other party does not constitute authority to deviate from these plans. Plan changes and addenda are subject to approval by DSA. The Contractor is responsible for processing changes, assembling permit documents, acquiring permits, and obtaining Owner approval for costs related to change orders.
5. Substitutions of specified products (i.e. Simpson Strong-Tie) for equivalent products are not recommended. Substitutions will be considered if the Contractor agrees to this procedure prior to substitutions being made: (a) Contractor provides T&S Structural with satisfactory evidence of product equivalence; (b) If satisfactory, Contractor agrees to reimburse T&S Structural for time and expenses to revise plans; and (c) Contractor agrees to resubmit plans to the DSA for approval.
6. Construction and materials must comply with and be installed in accordance with the requirements of all legally-constituted public authorities having jurisdiction, including all county, city, and local ordinances, as well as the Safety Orders of the State Industrial Accident Commission, OSHA. Receive all required approvals prior to commencement of construction.
7. The Engineer is not responsible for and does not have control or charge of construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the construction delineated by these plans. The Contractor or his/her agent(s) are responsible to supervise and direct all work and are solely and completely responsible for all construction means, methods, techniques, sequences, procedures, and conditions on the job site, including the safety of all persons and property during the entire period of construction. Periodic observations by T&S Structural personnel or representatives are not intended to include verification of dimensions or review the adequacy of the Contractor's safety measures on or near the construction site.
8. The Contractor is responsible to provide all shoring and bracing during construction to support all loads to which the structure and site may be subjected. Provide shoring for vertical cuts in excess of 5 feet per OSHA and DSA and as directed by the Soils Engineer.
9. Where inspection is required, the Special Inspector is to obtain DSA approval prior to work commencement. Copies of the inspection report(s) to be filed by the Special Inspector(s) must be given to the architect, engineer, owner, and DSA. The cial. Contractor is responsible for scheduling, coordination, and expenses involved in any and all inspections.
10. The Contractor is responsible to initiate a resolution to any conflicts within or between drawings, specifications, and/or manufacturer instructions by issuing an RFI. The most strenuous and/or costly option governs unless otherwise stated in response to an RFI. It is the Contractor's responsibility to identify and provide for any 'scope gaps' that may exist and be recognizable to a professional building contractor.
11. Each contractor responsible for the construction of a wind- or seismic-force-resisting system or component listed in the "Statement of Special Inspections" must submit a written statement of responsibility to DSA and the owner prior to the prior to commencement of work on the system or component. (See CBC Section 1704.4 for specific requirements.)
12. "Clouding" shown on the construction documents is only for convenience for general major revisions and is not necessarily inclusive of all revisions to the drawings. The Contractor and others must review the construction documents completely and thoroughly and are not to depend upon the clouding being an indication of the full limit or extent of revisions.
13. All construction projects require inspection and maintenance following completion. Operation, inspection, and maintenance are the sole responsibility of the Owner. T&S Structural has no responsibility for any failures by the Owner or others to properly operate, inspect, or maintain the project(s) shown in these plans.
14. It is unlawful for any portion of a building to have load placed on it exceeding the design loads per CBC Section 106.3. Portions of commercial and industrial buildings designed for live loads exceeding 50 psf shall have signage installed per CBC Section 106.1.
15. Where plans, details, notes, and/or specifications (construction documents) are noted as being in a preliminary/progress state (e.g. "not for construction"), the Contractor must take this into consideration if choosing to use these progress documents for cost estimating, bidding, or any other purpose.
16. The plans, calculations, and specifications contained herein and provided herewith are the exclusive property of T&S Structural, © 2025. The use of these plans and specifications is restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction or publication by any method, in whole or in part, is prohibited. Title to these plans and specifications remains with T&S Structural without prejudice. Visual contact with these plans and specifications constitutes prima facie evidence of the acceptance of these restrictions.

STRUCTURAL DESIGN PARAMETERS

GENERAL PARAMETERS

Building Code	**2022 CBC**
Construction Type	**Type V-B**
Risk Category	**II**
Number of Stories	**1**
Max. Height (above grade)	**19.92 ft**
Roof DL/LL (psf)	**15/20**
Solar Allowance	**3.0 psf**
(Already Included, Where Applicable)	
Roof at Overhangs DL/LL (psf)	**19/20**
Suspended Ceiling DL/LL (psf)	**5/0**
Hard-Lid Ceiling DL/LL (psf)	**12/10**
Rain Intensity i (in/hr) (per CBC Fig. 1611.1)	**2.0**

SEISMIC DESIGN DATA (per CBC 1603.1.5):

Risk Category	**II**
Seismic Importance Factor, I	**1.00**
Site Class	**D**
Spectral Response Accelerations	**S_S = 1.086**
	S_1 = 0.396
Spectral Response Coefficients	**S_{DS} = 0.844**
	S_{D1} = 0.763
Seismic Design Category	**D**
Seismic Force Resisting System(s)	**A.15***
Response Modification Factor, R	**6.5**
Seismic Response Coefficient, C_s	**0.130**
Design Base Shear (1.0E ~ C_sW)	**29 kips**
Redundancy Factor, ρ	**1.0**
Analysis Procedure Used	**Equiv. Lat. Force**

** See ASCE 7-16 Table 12.2-1*

SOILS VALUES

Bearing Pressure	**2000 psf**
Lateral Passive	**350 pcf**
EFP (at-rest, level)	**50 pcf**
EFP (active, level)	**35 pcf**
Friction Coefficient	**0.35**

WIND DESIGN DATA (per CBC 1603.1.4):

Basic Wind Speed, V	**92 mph**
Exposure Category	**C**
Internal Pressure Coefficient, GCpi	**+/- 0.18**

Soils work must conform to the requirements and recommendations of the Soils (or "Geotechnical") Report: "UPDATED GEOTECHNICAL ENGINEERING AND GEOLOGIC HAZARDS REPORT" for NIPOMO HIGH SCHOOL by EARTH SYSTEMS PACIFIC, dated JUNE 20, 2025, File No. #300909-010, and "ADDENDUM No. 1 TO UPDATED GEOTECHNICAL ENGINEERING AND GEOLOGIC HAZARDS REPORT – REDUCED DEPTH OF FOOTING EMBEDMENT FOR SITEWORK RETAINING WALLS" for NIPOMO HIGH SCHOOL by EARTH SYSTEMS PACIFIC, dated JANUARY 28, 2026, including all subsequent letters and addenda.

STANDARD ABBREVIATIONS

AB	anchor bolt
Abv.	above
A/C	air conditioning
Add'l	additional addendum
Add'm	addendum
Adj.	adjacent, adjustable
AFF	above finished floor
AISC	American Institute of Steel Construction
Alum.	aluminum
Alt.	alternate
APA	American Plywood Council
Approx.	approximate
Arch.	architect (ural)
ASTM	American Society of Testing & Materials
Auto.	automatic
Avg.	average
AWS	American Welding Society
Bd.	board
Bldg.	building
Blk(g).	block (ing)
Blw.	below
Bm.	beam
BN	boundary nailing
Bot.	bottom
BP	base plate
Brg.	bearing
Btwn.	between
BW	both ways
Cant.	cantilever (ed)
CBC	California Building Code grade
CDX	C-D plywood w/ exterior glue
Cem.	cement
CHBC	California Historic Building Code
CIP	cast-in-place
CJ	ceiling joist (s)
CJP	complete joint penetration
CL	center line
Clg.	ceiling
Clr.	clear (ance)
CM	centimeter (s)
CMU	concrete masonry unit
Coeff.	coefficient
Col.	column
Com.	common
Conc.	concrete
Conn.	connect (ion)
Const.	construction
Cont.	continuous, continue
Contr.	contractor
Corr.	corrugated
Ctr.	center
Ctrsk.	countersink
Cu.	cubic
d	penny (nails)
Dbl.	double
Deg.	degree
Demo	demolish, demolition
Dep.	depressed
DF	Douglas Fir
Dia(m).	diameter
Diag.	diagonal
Dim.	dimension (s)
Dist.	distance
Div.	division, divider
DJ	deck joist (s)
DL	dead load
Dn.	down
DSA	Div. of the State Architect
Dwg.	drawing
(E)	existing
Ea.	each
EF	each face
EFP	effective fluid pressure
El.	elevation (grade)
Elec.	electric (al)
Elev.	elevator, elevation
Embed.	embedded, embedment
EN	edge nail (ing)
Encl.	enclose (d), (ure)
Eng(r).	engineer (ed)
Eq. or EQ	equal
Equip.	equipment
Equiv.	equivalent
ES	each side
Est.	estimate (d)
Etc.	et cetera
EW	each way
EWEF	each way each face
Exist.	existing
Exp.	expand, expansion
Ext.	exterior, extended
Fdn.	foundation
FF	finished floor
FG	finished grade
Fin.	finish (ed)
FJ	floor joist (s)
Fl.	flange
Flr(g).	floor (ing)
FN	field nail (ing)
FOC	face of concrete
FOM	face of masonry
FOP	face of panel
FOS	face of steel (stud)
FP	fireplace
FR	fire rate (d), (ing)
Frmg.	framing
FS	far side
Ft.	foot, feet
Ftg.	footing
Fut.	future
Ga.	gage, gauge
Galv.	galvanized
GB	grade beam
GC	general contractor
Gen.	general
Gl.	glass, glazing, glazed
GLB	glue-laminated beam
Gr.	grade, grading
Gyp.	gypsum
HD	holdown
HDG	hot-dip galvanized
Hdr.	header
Hex	hexagonal
Hgr.	hanger
Hor (iz).	horizontal
HS	high strength
HSS	hollow structural section
Ht.	height
HVAC	Heating / Ventilation / Air Conditioning
IBC	International Building Code
ICC	International Code Council
ICC-ES	ICC Evaluation Service
ID	inside diameter
In.	inch (es)
Incl.	include (d), (s), (ing)
Info	information
Insp.	inspect (ion), (or)
Insul.	insulate (d), (ion)
Instl.	installation, install
Int.	interior
Inv.	invert (ed)
Jst.	joist
K	kip (1000 pounds)
KLF	kips per linear foot
KP	king post
KSF	kips per square foot
KSI	kips per square inch
LABC	Los Angeles City Building Code
Lam.	laminate (d), (tion)
LARR	Los Angeles Research Report
Lb(s).	pound (s)
Lg.	large
LF	linear (l) foot
Lin.	linear, lineal
LL	live load
LLH	long leg horizontal
LLV	long leg vertical
Long.	longitudinal
Lt(g).	light (ing)
Ltwt.	lightweight
LVL	laminated veneer lumber
LWC	lightweight concrete
Mas.	masonry
Mat'l	material
Max.	maximum
Mbr.	member
Mech.	mechanic (al)
Med.	medium
MEP	Mech./Elec./Plumbing
Mezz.	mezzanine
MF	moment frame
Mfr.	manufacture (r)
Min.	minimum, minute (s)
Misc.	miscellaneous
MM	millimeter (s)
Mod.	modify, modified, modular
MS	machine screw
Mtl.	metal
(N)	new
N	north
N/A	not applicable
Nat.('l)	natural, national
NDS	National Design Specification for Wood Construction
Neg.	negative
NIC	not in contract
No.	number
Nom.	nominal
NS	near side
NSA	nelson stud anchor
NSG	non-shrink grout
NTS	not to scale
o.c. or oc	on center (s)
OD	outside diameter
OMF	ordinary moment frame
Opp.	opposite
OSB	oriented strand board
OSHPD	Office of Statewide Health Planning & Development
OT	overturning
Par.	parallel
PCF	pounds per cubic foot
Pen.	penetrate (ion)
Perf.	perforate (d), (tion)
Perim.	perimeter
Perp.	perpendicular
PJP	partial joint penetration
Pl.	plate
PL	property line
PLF	pounds per linear foot
Ply(wd).	plywood
Prefab.	prefabricated (ion)
Prelim.	preliminary
Proj.	project
Prop.	propery
PSF	pounds per square foot
PSI	pounds per square inch
PSL	parallel strand lumber
PT	pressure-treated, post tension (ed)
Pt.	point
PV	photovoltaic
Qtr.	quarter
Qty.	quantity
R(ad).	radius
Rd.	road
Rdwd.	redwood
Rebar	reinforcing bar (s)
Rec('d).	receive (d)
Rect.	rectangular
Ref.	reference
Reinf.	reinforce (d), (ing), (ment)
Req('d).	require (d), (ment)
Ret.	retain (ing)
Rev.	revision (s), revised
RJ	roof joist (s)
Rm.	room
RO	rough opening
RR	roof rafter (s)
SAD	see architectural drawings
Sched.	schedule
SE	structural engineer
Shtg.	sheathing
Sim.	similar
SMF	special moment frame
SMS	sheet metal screw
SOG	slab on grade
Spec(s)	specifications (s)
Sq. or SQ	square
SS	grade select structural, stainless steel
ST	self-tapping
ST1	grade Structural 1 panel
Std(s).	standard (s)
St(l).	steel
Str(uct).	structural, structure
Surf.	surface
Susp.	suspended
SW	shearwall
Sym.	symmetry (ical), symbol
Syn.	synthetic
T&B	top and bottom
T&G	tongue and groove
Temp.	temporary, tempered
Th(k).	thick, thickness
Thru	through
T.O.	top of
TOB	top of beam
TOC	top of concrete
TOF	top of footing
TOG	top of grade
Tol.	tolerance
TOP	top of plate
TOS	top of slab, top of steel
TOW	top of wall
Trans.	transverse
Trim.	trimmer stud (s)
Typ.	typical
UBC	Uniform Building Code
UNO	unless note otherwise
Util.	utility (ies)
Var.	varies, varnish
Vent.	ventilate (ion), (or)
Vert.	vertical
VIF	verify in field
Vol.	volume
W	width, wide, water
W/	with
Wd.	wood
WF	wide flange
WIN	within
Win.	window
W/O	without
WP	waterproofing (ing)
WS	wood screw
Wt.	weight
WTS	welded threaded stud
WHS	welded headed stud
WWF	welded wire fabric
WWM	welded wire mesh
Yd.	yard
∠	angle
@	at
Δ	delta
Ø	diameter
#	number, pound (s)
/	per
+ / -	plus or minus

SHEET INDEX

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DATE: 06/15/2026
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STRUCTURAL TITLE SHEET

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AMB
CHECKED BY: 250285 BTD
PROJECT NO: 25042 DATE: DSA SUBMITTAL - 04/17/26

S0.1

FOUNDATIONS & CONCRETE

1. GENERAL

1.1 Soils values are per Geotechnical Report (or "Soils Report") by Earth Systems Pacific, Project No. 300909-010 dated June 20, 2025 and Addendum No. 1 dated January 28, 2026. These reports and the recommendations contained therein shall be considered a part of the construction documents. *(It is the Contractor's responsibility to obtain a copy of the soils report and any addenda from the owner or owner's representative.)*

1.2 Refer to the Structural Design Parameters on the Structural Title Sheet for soil/foundation design values.

1.3 Special Inspections per DSA 103.

1.4 The Building Inspector shall inspect and approve grading and excavations prior to placement of forms, reinforcing steel or concrete.

1.5 The Soil Engineer/Geologist of record shall inspect and sign-off grading and excavations prior to placement of forms, reinforcing steel or concrete. In cases involving engineered fill, a soils engineer shall provide the necessary inspections, tests and approvals. The Contractor is responsible for geotechnical follow-up services as defined in the soils report.

1.6 Prior to the Contractor requesting a Division of the State Architect foundation inspection, the soils engineer shall advise the building inspector in writing that the building pad was prepared in accordance with the soils report and that the foundation excavations, the soil's expansive characteristics and bearing capacity conform to the soils report.

1.7 Refer the structural plans for foundation embedments; however, foundations shall not be embedded less than 39" below the lowest adjacent grade into approved competent soil, unless specifically noted otherwise. Foundations shall be deepened where necessary to conform to CBC Section 1808A setback requirements which require a minimum distance from the face of the foundation to the face of the descending slope equal to H/3 (where H is the height of the slope). The setback must be at least 5'-0" but need not exceed 40'-0".

1.8 Prior to construction, the soils engineer of record should review and approve the structural plans. Additionally, it is recommended that there be a preconstruction meeting between the owner, Contractor, and soils engineer to discuss testing procedures, scheduling, and inspections.

2. MATERIALS

2.1 Concrete shall have a strength of 3000 psi at 28 days, and a maximum slump of 5". W/C ratio is 0.50 max. for slabs, walls and columns, and is 0.55 max. for foundations. Special Inspections per DSA 103.

2.2 Batch plant inspection shall be periodic per the DSA 103.

2.3 Cementitious Material: Portland cement shall conform to ASTM C150, Type II, low-alkali. Fly ash shall conform to ASTM C618, Class F.

2.4 Special Inspection for structural slabs, walls, piles, caissons, flat plates, columns and beams per DSA 103.. Exception: if the construction is of a minor nature and the Division of the State Architect waives the special inspection requirement and special inspection is not specified in the DSA 103. (*CBC 1701A.1 and 1705A)*

2.5 Reinforcing steel shall conform to ASTM A615 (except as noted below), and shall be deformed, clean, and free of rust. Bars shall be 60 grade minimum (unless specified otherwise), except that #3 bars may be 40 grade. Rebar shall conform to ASTM A706 Grade 60 or ASTM A615 Grade 60. ASTM A615 Grade 60 requires 80,000 psi minimum tensile strength with 1.10 minimum ratio of actual tensile strength to actual yield strength based on mill testing. Reinforcing steel that is to be welded shall conform to ASTM A706 in lieu of A615. The welding of reinforcement shall be special inspected per DSA 103 and conform to AWS D1.4.

2.6 Mechanical Bar Splice Couplers: May be used in lieu of lap splices in concrete and shall be used where specified on the plans. Use Dayton Superior Bar-Lock S- or L-series couplers per the plans, or approved equal. Bar-Lock coupler fabrication and installation shall be per ICC ESR-2495. Special inspections per DSA 103. Stagger adjacent mechanical splices 2'-0" minimum.

2.7 Aggregates shall be per ASTM C33. Maximum size 1½" for footings and 1" for all other work. Reduce maximum aggregate size as required to conform to ACI 318 Section 25.2.1. Coarse aggregate shall be crushed rock.

2.8 Non-shrink grout (5000 psi strength minimum UNO) material for baseplates, concrete tilt-panels, sill plates or other specified use shall be non-shrink grout by Five Star Products Inc., Quikrete, or approved equal, and installed at a "plastic" consistency, in accordance with approved methods and techniques. Surfaces shall be properly cleaned of foreign material prior to grouting operation.

2.9 Epoxy/Adhesive:

a) Use Simpson AT-3G Epoxy (ICC ESR-5026) where designated on plans, or approved equal for cracked concrete, unless noted otherwise.
b) Install only where specifically detailed by the Engineer. Refer to the ICC Evaluation Report for product and installation requirements.
c) Contact the Engineer for product substitution when needed for special conditions, such as temperature extremes, fast cure or slow cure, low or high viscosity, low base material temperature, etc.
d) Standard threaded anchor rods shall conform to ASTM F1554 Grade 36, UNO.
e) High-Strength threaded anchor rods shall conform to ASTM A193 Grade B7 or ASTM F1554 Grade 105, UNO.
f) Where exposed to weather, soil, or moisture, threaded anchor rods shall be hot-dipped galvanized per ASTM A153 Class C or D, or be stainless steel. Contact the Engineer when stainless steel is necessary.
g) Installation and allowable loading:

Simpson AT-3G Epoxy (ICC-ES ESR-5026)
for Normal Weight Concrete (3,000 psi, Min.)

Rod Diameter (in,)	Bit Diameter (in.)	Min. Embedment (in.)	Min. Edge Distance (in.)	Tension Test Load* (lbs.)	Min. Slab Thickness (in.)
3/8	7/16	3-1/2	6	2,530	6
1/2	9/16	4-1/2	6	3,675	6
5/8	3/4	4-1/2	6	4,325	6

**Tension test values shown are 1.25 times maximum design per CBC 1910A5.4*

2.10 Post-Installed anchors:

a) Use Simpson Strong-Bolt 2 SS (ICC ESR-3037) where designated on plans, or approved equal for cracked concrete, unless noted otherwise.
b) Install only where specifically detailed by the Engineer. Refer to the ICC Evaluation Report for product and installation requirements.
c) Contact the Engineer for product substitution when needed for special conditions, such as temperature extremes, fast cure or slow cure, low or high viscosity, low base material temperature, etc.
d) Installation and allowable loading:

Simpson Strong-Bolt 2 SS (ICC-ES ESR-3037)
for Normal Weight Concrete (3,000 psi, Min.)

Anchor Diameter (in.)	Min. Embedment (Nominal) (in.)	Tension Test Load* (lbs.)	Torque (ft.-lbs.)	Min. Slab Thickness (in.)
3/8	2-7/8	1,825	30	6
1/2	2-3/4	2,553	65	4
1/2	3-7/8	2,875	65	6
5/8	3-5/8	2,795	80	6
3/4	5-3/4	5,370	150	9

Edge Distance Assumed to be 6" Min., Typical

**Tension test values shown are 1.25 times maximum design per CBC 1910A5.4*

2.11 Anchor Bolts: A307 or F1554 Grade 36 hex-headed, unless noted otherwise.

2.12 The Division of the State Architect may require the testing of any materials used in concrete construction to determine if materials are quality specified. Tests of materials and of concrete shall be made by an approved agency and at the expense of the Contractor; such tests shall be made in accordance with the standards listed in CBC Section 1903A. Tests and materials of reinforced concrete, and concrete durability, quality, mixing and placing, shall conform to CBC Sections 1903A, 1904A, and 1905A. Refer to the Division of the State Architect for additional testing and materials requirements.

3. EXECUTION

3.1 Slabs on Grade: See the plans and details for thickness, reinforcing, and supporting materials. Provide sawcuts or other control joints as directed by the architect and soils engineer, and per the structural plans when specified. Refer to the architectural plans for finishes.

3.2 Minimum lengths for rebar development, lap splices, and compression splices per Typical Details.

3.3 Dowels shall be provided for vertical and horizontal reinforcing bars in walls, columns, etc., and shall be of the same size and spacing as the supporting wall, columns, etc. Footing reinforcement shall be hooked into intersecting footings with standard 90 degree end hooks per Typical Details, unless noted otherwise on the plans. Per ACI 318 26.6.2.2, no rebar may be "wet set."

3.4 Reinforcing clearances for foundations shall be 3" min. when against earth and 2" min. when against a formed surface UNO. Other reinforcing clearances shall be 1 1/2" minimum UNO.

3.5 Removal of forms (formwork) supporting vertical surfaces shall be after 2 days min. and supporting beams or girders shall be after 15 days minimum.

3.6 Construction joints shall be prepared by wire brushing and cleaning and brushing in a paste of neat cement mortar immediately prior to pouring. Location of construction joints shall be approved by the Engineer.

3.7 Concrete Curing: Concrete shall be maintained above 50 deg. F and in a moist condition for at least the first 7 days after placement (provide 10 days min. for Type II cement & 14 days min. for Type IV or V cement per ACI 308). When formwork is removed from a surface prior to 7 days (the minimum time specified) after placement of concrete, the surface shall be kept continuously moist by spraying or by covering with wet burlap or curing cover. During hot weather, proper attention shall be given to ingredients, production methods, handling, placing, protection, and curing to prevent excessive concrete temperatures or water evaporation that may impair required strength or serviceability of the member or structure. Finishes are per the architect.

3.8 Sill Plate Anchorage: Wood sill plates in bearing walls and shearwalls shall be secured with minimum 5/8" dia. x 10" long anchor bolts (AB) with 7" minimum embedment into concrete (note that longer anchor bolts may be necessary for 3x sill plates or for other conditions). Anchorage shall include 3"x3"x0.229" plate washers per AF&PA SDPWS 4.3.6.1 (Simpson BP5/8-3 or BPS5/8-3, or Equivalent). The hole in the plate washer shall be permitted to be diagonally slotted with a width of up to 3/16" larger than the bolt diameter and a slot length not to exceed 1-3/4", provided a standard cut washer (see AF&PA SDPWS Appendix A) is placed between the plate washer and the nut. The plate washer shall extend to within 1/2" of edge of the sill plate on the sheathed side(s) of shearwalls. Spacing of anchor bolts shall not exceed 6'-0" o.c. Bolts shall be placed a maximum of 12" from wall corners, wall ends, and sill plate splices (but not less than 4⅜"), and a minimum of two bolts per piece of sill plate are required. Refer to the Shearwall Schedule for maximum anchor bolt spacing at shearwalls, however the spacing shall not exceed 4'-0" o.c. (Holdown anchors shall not be counted as any of the required sill plate anchor bolts.) Use anchor bolt holders and stabilizers per the manufacturer's recommendations, or approved equivalent. Interior non-bearing partitions may be secured with shotpins per the "Wood" section of these specifications.

3.9 Coordinate holdown locations with all structural plans prior to installation. Holdown hardware shall be secured in place prior to foundation inspection and re-tightened just prior to enclosure. Holdowns shall be installed per manufacturer's specifications. Set holdowns tight on top of sill plate and against post; do not raise up off of sill plate UNO. Use anchor bolt holders and stabilizers per the manufacturer's recommendations.

3.10 Epoxy/Adhesive:

a) Install only where specifically detailed by the Engineer. Special inspection of epoxy or adhesive applications is per DSA 103.. Install epoxy and adhesive anchors in accordance with the manufacturer's instructions and the requirements of the product's current ICC ESR approval report.
b) Installation of adhesive anchors that are to be under sustained tension loading horizontal to vertically overhead installation shall be done by a certified adhesive anchor installer (AAI) as certified through ACI and in accordance with ACI 318 (Section 26.7.2).
c) Adhesive anchors shall be installed in concrete having a minimum age of 21 days at time of anchor installation, per ACI 318 (Section 26.7.2). For installations sooner than 21 days, consult adhesive manufacturer.
d) Refer to the ICC ESR report for restrictions on temperature of the base material at time of adhesive installation.

3.11 Minimum Spacing of Reinforcement Bars:

a) Minimum clear spacing between parallel bars in a layer shall be one bar diameter but not less than one inch.
b) For parallel reinforcement in two or more layers; bars in upper layers shall be placed directly above bars in lower layers and shall have a clear vertical distance between bars not less than one inch.
c) Clear distance minimums between bars shall also apply to the bars of a contact lap splice and any adjacent bars of contact lap splices.

STRUCTURAL STEEL

1. GENERAL

1.1. Structural steel shall conform to the requirements of ASTM and shall be fabricated according to AISC practice and specifications for building, including QA/QC guidelines of AISC 360-16 Chapter N for fabrication, erection, and inspection. Steel deck fabrication, handling, and installation shall be per SDI-C-2017, SDI-QA/QC-2022, ANSI/RD-2017, and associated reference standards.

3.12 Special Inspections per DSA 103.

1.2. Fabricator Qualifications: A qualified fabricator, approved by the Division of the State Architect and the Owner, who has had review and approval by a certified special inspector. Approval shall be based upon review of the fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved special inspection agency.

1.3. Structural steel shop drawings shall be submitted to the engineer for review prior to fabrication.

1.4. Continuous special inspection of structural welding is per DSA 103, and shall be by an inspector pre-qualified by the Division of the State Architect, in accordance with CBC Section 1705A.2.

2. MATERIALS

Wide Flange Shapes (W and WT)	ASTM A992
Structural Plates and Bars[e]	ASTM A36 Stainless plates: ASTM A240 Type 304[a] Stainless bars: ASTM A276 Type 304[a]
Angles (L) **Channels (C and MC)**	ASTM A36 or ASTM A572 Grade 50
Structural Tubes HSS **(Hollow Structural Section)**	ASTM A500 Grade C (Rectangular Fy = 50ksi, Round Fy = 46ksi)
Steel Pipe	ASTM A53 Grade B[f]
HP Shapes	ASTM A572 Grade 50
Structural Bolts[b]	ASTM A307 Grade A High Strength Bolts: Group A ASTM F3125 Gr. A325 High Strength Nuts: ASTM A563 Hardened Washers: ASTM F436
Anchor Rods	ASTM F1554 Grade 55 UNO
Shear Studs	ASTM A108[c] UNO
Threaded Rods	ASTM A36 or A307 UNO
Welding Electrodes	E70XX[d] UNO

a. If welded use Type 316.
b. American Standard Regular Bolts.
c. Type A for wood or light-gage steel. Type B for concrete-filled steel deck, concrete, and all other applications. Per AWS D1.1 Clause 7.2.6
d. Minimum CVN toughness of 20 ft-lb. at -20ºF using AWS A5 classification test methods.
e. Refer to section 2.1 for moment frame applications.
f. "STD" Indicates Standard Weight, "EXT" indicates Extra Strong, and "DBL" indicates Double-Extra Strong

2.1. Plates, rods and anchors used in moment frame applications shall match steel grade and/or type used in moment frame.

a) Plates in Ordinary Moment Frames shall conform to ASTM A529 requirements.
b) Plates in Special Moment Resisting Frames shall conform to ASTM A572 Gr. 50 requirements (UNO).
c) Rod and anchor welding requirements shall be determined by engineer, and depend on ASTM F1554 specifications (UNO).

2.2. Non-shrink grout (5000 psi strength minimum UNO) material for baseplates shall be non-shrink grout by Five Star Products Inc., Quikrete, or approved equal, and installed at a "plastic" consistency, in accordance with approved methods and techniques. Surfaces shall be properly cleaned of foreign material prior to grouting operation.

3. EXECUTION

3.1. Welding shall be performed using SMAW, SAW, GMAW, or FCAW processes with approved electrodes conforming to ASTM A-233 and applicable AWS specifications.

3.2. For partial-joint-penetration ("PJP") groove welds, do not use any combination of groove type and welding process which would result in an effective throat less than the full depth of the groove (e.g. do not use 45º bevels in combination with either SMAW processes or GMAW/FCAW processes in the vertical or overhead position).

3.3. Minimum preheat and interpass temperatures shall be provided for welds, including tack welds, in accordance with AWS D1.1, Table 3.2. The maximum preheat and maximum interpass temperature permitted is 550º F, measured at a distance of 1 in. from the point of arc initiation.

3.4. Welding shall be performed by welders certified in accordance with AWS D1.1 clause 7.2.6 Type B. Special inspections (see General above) shall be arranged per DSA 103., with Division of the State Architect approval, at the expense of the Contractor.

3.5. Use weld tabs (backing bars) at flange plate and shear plate to column connections. After welding, remove the weld tabs and finish to a smooth contour per 3.12.3 of AWS D1.1-2010. Weld tab removal may be performed by air carbon arc cutting (CAC-A), air carbon arc gouging (ACAG), grinding, chipping, or thermal cutting. In addition, after removing the backing bar backgouge the weld root to sound metal, weld backgouged region and finish welding using a reinforcing fillet weld with a minimum leg size of 5/16" or the root opening plus 1/16", whichever is larger.

3.6. Exposed welds shall be filled and ground smooth where metal will come in contact with the public, unless reasonably smooth and uniform welds have been provided. Additional finish requirements are per the architect.

3.7. Bolt holes in steel plates and shapes shall be AISC "standard holes," unless specifically noted otherwise. Bolt holes shall be drilled 1/32" min. to 1/16" max. larger than the bolt diameter.

3.8. Powder-Actuated or Power-Driven Fasteners (or "Shot Pins"):

a) Shall be by Hilti Inc., Simpson Strong-Tie or approved equal. Product and installation shall be per the manufacturer's respective ICC report: ICC ESR-2269 (Hilti X-U), ICC ESR-2811 (Simpson GDP), or per approved equal.
b) Shank diameter of shot-pins shall be 0.145" min. , with a min. 3/4" diameter washer and 1 1/4" embedment (UNO).
c) Shotpins may be used for attachment of miscellaneous furring, framing, and interior non-bearing walls to concrete or masonry. (Anchor bolts, per the "Foundations & Concrete" section of these specifications, must be used for sill plates in shearwalls and bearing walls.)

3.9. No holes other than those specifically detailed shall be allowed through structural steel members. No cutting or burning of structural steel will be permitted without prior consent of the Engineer.

3.10. Steel exposed to weather, soil, or moisture shall be galvanized or have similar corrosion protection. Steel embedded in concrete shall have the same cover requirements as for reinforcing steel (rebar), unless the embedded steel is galvanized or has similar corrosion protection. Finishing requirements for exposed steel are per the Architect.

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DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

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San Luis Obispo, CA 93401

STRUCTURAL SPECIFICATIONS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE
-		

DRAWN BY: AMB
T&S NO: 250285
CHECKED BY: BTD
PROJECT NO: 25042
DATE: DSA SUBMITTAL - 04/17/26

S0.2

WOOD

1. GENERAL

1.1. The framing notes on the drawings form a part of this section and have the same force and effect as written out in full herein. Refer to the architectural specifications for additional requirements.

3.13 Special Inspections per DSA 103.

2. MATERIALS

2.1. Lumber: shall be Douglas Fir-Larch, S4S, unless noted otherwise (this does not include Douglas Fir-Larch-North or Douglas Fir-South), and it shall be manufactured, graded, and bear the grade mark of WCLIB Standard Grading Rules 16 or WWPA Grading Rules; moisture content at time of installations shall not be over 19% or less than 7%.

Member	Grade	F_b (PSI)
2x & 3x Studs & Joists	No. 2	900
Posts and Beams (4x and Larger)	No. 1 & Better	1,200
Glulam	24F-1.8E	2,400
LVL	**2.0E**	**2600**
LSL	1.55E	1900
PSL	2.2E	2900

a) Preservative Treatment: Lumber in contact with concrete or masonry, or where exposed to weather, moisture or soil, shall be preservative pressure-treated per AWPA Standards (or "wolmanized" for PSL members) and CBC Section 2304.12.2.7. Each piece of lumber shall bear the mark of an approved testing agency. ACQ-treated shall be used when it is exposed to weather or may come into contact with soil, moisture or "liquid" water (e.g. rain, seepage, surface run-off, etc.) Borate-treated wood may be used for interior dry conditions (such as a sill plate on a concrete or masonry wall that will be covered and waterproofed). The maximum moisture content of treated wood is 14%. When necessary to cut, notch, bore, or splice treated lumber, thoroughly paint newly cut surfaces with same preservative used in the original treatment of the lumber.

b) Clearances to Soil: The floor assembly (including posts, girders, joists and subfloor) shall be of naturally durable or preservative-treated wood, in accordance with AWPA U1 (Commodity Specifications A or F) for above-ground use (per CBC 2304.12.2.6) where any of the following conditions occur:
   i) Wood joists or the bottom of a wood structural floor without joists are closer than 18", or wood girders are closer than 12" to the exposed ground in crawl spaces or unexcavated areas located within the perimeter of the building foundation.
   ii) Wood framing members, including wood sheathing, which rest on exterior foundation walls and are less than 8" from exposed earth.

2.2. Sheathing: Shall be APA rated; thickness per plan; Panel Index (PI) or "Roof/Floor span rating" per plan, however rating shall not be less than 40/20 for floor sheathing or 24/0 for roof sheathing. Additionally, sheathing shall conform to DOC PS 1 or PS 2, CBC Section 2308.5.11, Table 2308.5.11, and to the following (or better), except where noted otherwise:
a) Where sheathing may be subjected to repeated wetting and redrying or long-term exposure to weather or similar conditions:
   i) "Exterior Plywood" – Grade C-C or Structural 1 C-C with exterior glue, 4-ply minimum, per APA PS 1-09.
b) Other conditions:
   i) Plywood – Grade C-D with exterior glue (aka "CDX"), Exposure 1 and 4-ply minimum, per APA PS 1-09.
   ii) Composite Panel, Oriented Strand Board (OSB), or other Mat-Formed Structural-Use Panel – Exposure 1, per APA 1-09 or 2-10.
   iii) Where "Structural 1" (or "Struct 1" or "ST1") is required per the plans, use Grade Structural 1 sheathing per APA PS 1-09 or 2-10.

2.3. Rough Hardware:
a) Nails: Provide common wire nails as indicated in the Fastening Schedule (CBC Table 2304.10.2) and the Structural Plans. See requirements below for fasteners in treated wood.
b) Bolts, Nuts, Washers, Lag & Wood Screws shall be of standard manufacture, conforming to the National Design Specification (NDS) of the American Forest & Paper Association (AF&PA), 2018 Edition. Hardware exposed to weather, soil or liquids shall be hot dip galvanized or stainless steel. Bolts shall conform to ASTM A307 or F1554 Grade 36, unless noted otherwise.
c) Framing Connectors:
   i) Metal connectors for wood construction shall be Simpson Strong-Tie, or approved equal, unless noted otherwise. Product callouts on plans refer to Simpson Strong-Tie model number and KC Metals reference number. Approved Equals may only be used with prior approval from the Division of the State Architect and the Engineer.
   ii) Provide the type of nails specified by the manufacturer and fully drive nails into all holes of the connector (including round and triangular holes), unless specifically noted otherwise on the plans.
   iii) Connectors shall be galvanized or have another factory-applied protective finish.
   iv) Connectors and hardware exposed to weather shall have minimum G185 factory galvanized coating (or equivalent) or shall be post hot-dip galvanized or shall be stainless steel.
   v) Connectors in contact with pressure-treated or fire-retardant treated wood shall be minimum G185 factory galvanized coating (or equivalent) or shall be post hot-dip galvanized or shall be stainless steel per CBC 2304.10.6. *[Exception: If pre-approved by the Division of the State Architect, G90 or standard coating shall be allowed.]*
   vi) Bolts shall conform to ASTM A307 or F1554 Grade 36 unless noted otherwise.
   vii) Substitute LTP5 connectors for LTP4 connectors in cases where plywood thickness prevents all nails in the LTP4s from being driven into solid wood framing as detailed. (If the LTP5 nails cannot be driven into solid wood framing, contact T&S.)
d) Powder-Actuated or Power-Driven Fasteners (or "Shot Pins"):
   i) Shall be by Hilti Inc., Simpson Strong-Tie or approved equal. Product and installation shall be per the manufacturer's respective ICC report: ICC ESR-2379 (Hilti X-P), ICC ESR-2811 (Simpson GDP), or per approved equal.
   ii) Shank diameter of shot-pins shall be 0.145" min. , with a min. 3/4" diameter washer and 1 1/4" embedment (UNO).
   iii) Shotpins may be used for attachment of miscellaneous furring, framing, and interior non-bearing walls to concrete or masonry. (Anchor bolts, per the "Foundations & Concrete" section of these specifications, must be used for sill plates in shearwalls and bearing walls.)
e) Strong-Drive WSNTL SUBFLOOR Screws are recommended to be used in lieu of nails specified on the plans for attachment of floor and roof sheathing, unless specifically prohibited otherwise. Screws must be by Simpson Strong-Tie and installed in strict accordance with ICC ESR-1472. Substitutions by other manufacturers will only be allowed if substitute has an ICC approval with shear values equal to or greater than those in ESR-1472. Refer to the General Notes on the Structural Title Sheet.

3. EXECUTION

3.1. General Installation Requirements: Fabricate, size, install, connect, fasten, bore, notch, and cut wood and plywood with joints true, tight, and well-nailed, screwed or bolted as required, members to have solid bearing without being shimmed, unless noted otherwise. Set horizontal members subject to bending with the crown up. Install framing plumb, square, true and cut for full bearing. Splices are not permitted between bearings. Use full lengths unless otherwise specified. Notching, drilling, splicing, or cutting of any structural member is not permitted without prior approval. Reinforce or replace wood framing members damaged by erroneous cutting as directed by the engineer. Perform cutting for other trades under the direction of trade involved. Whenever necessary to avoid splitting, sub-drill for nails and screws with the diameter of the hole smaller than that of nails or screws.

3.2. Nailing: Conform to CBC Table 2304.10.2, unless specifically noted otherwise. Nail plywood as specified on the plans with perimeter nails not closer than ½" from the edges. Do not overdrive nails through the face grain of the plywood; over-driven plywood nails may result in rejection and replacement of plywood panel by Inspector or Engineer. Except for plywood, nails shall not be driven closer together than half their length nor closer to the edge or end of lumber than one-quarter their length. The penetration of nails or spikes into pieces receiving the point shall not be less than half the nail length, except that 16d may be used to connect pieces of 2" nominal thickness.

3.3. Lag Screws: Install lag bolts (or "screws") with the base of the head flush with the surface of the connected member. Bore lead holes approximately three-quarters of the diameter and same depth as shank (except when not required by the manufacturer, such as for Simpson SDS Screws). Provide a standard washer under the head of the lag when bearing upon wood. Install by using a wrench, not by driving with a hammer. Soap or other lubricant shall be used on the lag screws or in the lead holes to facilitate insertion and prevent damage to the lag screws.

3.4. Bolts: Drill bolt holes 1/32" to 1/16" larger than bolt diameter such that bolts fit tight. Provide standard washers under the heads and nuts when bearing upon wood. When bolting multiple members together, the threaded portion of the bolt may not extend more than 1/4 of the bolt bearing area. Holdown bolts shall be torqued tight. The inspector is to verify that the bolts are installed and tight.

3.5. Hardware Approvals: The following hardware shall be installed per the appropriate ICC (ESR) and IAPMO (ER) approvals listed below. (Verify current report number with the mfr. For hardware not listed, obtain report numbers from the mfr.)

HTT, LTP4, RSP4 & UFP10:	per ER-130, ICC ESR-2606, ESR-2613, ESR-2616
HDU, HDQ, HHDQ, & DTT2:	per ESR-2330
LU, LUP, AB, EPB & LCB/CB:	per ESR-3096, ESR-2549, & ER-3050
HGUS,IUS,HHGU,HU, and HUC:	per ESR-2549, & ESR-2552
SSTB & SB anchors:	per ESR-2611
SDS Screws:	per ESR-2236
Straps & Ties (CMST, CS, MST, L3, T2, H, LST & others):	per ICC ESR-2105, ESR-2613, & ESR-2920

3.6. Sills on Concrete or Masonry: Anchor per "Foundations & Concrete" section of the Specifications. Tighten with washers and nuts to level bearing. Use pressure treated lumber per "Wood" Section of the Specifications.

3.7. Wood Stud Walls, Partitions, and Furring: Use studs of sizes and spacing shown on the plans, with single plate at bottom and doubled plate at top unless otherwise shown. Stagger joints in double members at top plate by at least four feet and splice joints per structural details. Studs shall be continuous between top and bottom plates, unless specifically noted otherwise. Additionally:
a) Wall Stud Sizes: (Unless specifically noted otherwise on the plans.) Use 2x4 studs at 16" o.c. for walls less than 10'-0" tall. Walls 10'-0" to 16'-0" tall shall be constructed of 2x6 studs at 16" o.c. Request specifically engineered wall details for walls greater than16'-0" tall.
b) Blocking: Provide min. one row of nominal 2" thick blocking of same width as stud, fitted snugly and spiked into studs at mid-height of partitions or walls over 6'-0" high. **Provide blocking at a maximum spacing of 4'-0" o.c.** Cripple walls (or "pony walls") less than 14" in height shall be solid blocking.
c) Notching: In exterior and bearing walls, notches in studs shall not exceed 25% of the stud depth (7/8" for 2x4 and 1 3/8" for 2x6). Non-bearing partition walls may be notched not greater than 40% of the stud depth.
d) Drilling Holes: In exterior and bearing walls holes in studs shall not exceed 40% of the stud depth (1 3/8" for 2x4 and 2 1/4" for 2x6). Non-bearing partition walls may be drilled not greater than 60% of the stud depth.
e) Angles and Overhangs: Form corners (and where stud partitions and wood vertical furring meet) with blocked triple studs or as detailed. Form openings in wood partitions with double studs at each side, and 4x headers across top resting on short studs at each end. Headers shall be 4x6 min., unless noted otherwise on the plans.
f) Bearing: Provide a minimum of 1½" of bearing for headers unless noted otherwise on plans. Members bearing on prefabricated hangers are to have full bearing and nailing per manufacturer's specifications.

3.8. Posts: Posts on upper levels shall be stacked on posts of equal size at levels below, unless a larger post is specified on the plans. Blocking shall be used to fully transfer the post area through floors. This arrangement shall continue until the post is supported by a designed beam or the foundations. Posts inside walls shall bear on sill plates, and isolated posts shall be seated in Simpson post or column bases, unless noted otherwise on the plans. Posts shall be continuous between top and bottom plates, unless specifically noted otherwise. Headers framing into continuous posts without trimmer studs shall be supported in Simpson HUC hangers unless noted otherwise on the plans.

3.9. Roof and Ceiling Framing: Provide the rafters, joists, and purlins as shown on the plans. Place with the crown edge up. Conform to the following requirements unless noted otherwise:
a) Bridging/Blocking: Provide min. 2x thick solid wood blocking, cut in between and the same depth as the joists at a spacing of no greater than 8'-0" o.c., unless noted otherwise. Provide blocking at plywood panel edges, unless noted otherwise (see below). Refer to the plan for additional requirements (e.g. where 3x blocking or closer nail spacing is required).
b) Bridging/Blocking in I-Joist Framing: When using I-joists, bridging or blocking at 8'-0" o.c. may not be required. In I-joist roofs and ceilings, install blocking or cross-bridging in accordance with the manufacturer's specifications, and only omit the blocking or cross-bridging when specifically allowed to by the manufacturer. Note that blocking is required in other locations specified herein and on the plans.
c) Roof Sheathing: Install plywood panels with the face grain across the framing and close joints and nail at each support. Nail with common nails specified on the framing plans. Provide cant strips and saddles where shown or necessary to pitch water to drain. Sheathing installation shall conform to APA recommendations. Per AF&PA best practices, we recommend providing 1/16" to 1/8" max. spaces at all panel edge and end joints.
d) Sheathing Joints: Provide min. 2x thick solid blocking of the same depth as the joists (or top chords) or 3x4 flat blocking under plywood edges. When specifically allowed per the plans or approved in writing by the Engineer, sheathing clips such as Simpson "PSCL" clips may be used in lieu of solid blocking. Provide these metal clips midway between framing members at the unsupported edges of plywood where members are spaced at 16" o.c. or more.
e) Use LU hangers for sawn lumber framing, unless noted otherwise per plan. Provide hangers to match framing member size.

3.10. Shearwalls: Shearwall type and nailing shall be per the plans and the shearwall schedule on plans. Shearwalls shall extend horizontally between openings unless noted otherwise. Shearwall lengths shown on plans are minimum required. Upper floor shearwalls shall extend through attics to the roof diaphragm. (OSB may be used in lieu of Plywood per the "Sheathing" section of these specifications; plywood may not be substituted for OSB without consent of T&S.) Conform to the following requirements unless noted otherwise:
a) Transfer nailing and anchorage shall be per the structural details. Over driving of nails through the panel surface may be cause for rejection of panel by the Inspector or the Engineer. Shearwall and holdown anchors shall be nailed with common nails. Edge nails to have a minimum ½" edge distance.
b) Per AF&PA best practices, we recommend providing 1/16" to 1/8" max. spaces at all panel edge and end joints.
c) Fasteners in pressure-treated wood (including foundation sill plates) shall be of hot-dipped zinc coated galvanized steel or stainless steel (per CBC 2304.10.6).
d) Where 3x framing is required, stagger edge nails. 3x framing, as noted on the shearwall schedule, is required as follows:
   i) At panel joints.
   ii) Sill plates on masonry or concrete.
   iii) Sill plates at two-sided shearwalls, i.e. sheathing on both sides. (At existing conditions, where approved by the engineer, plates may be double 2x's spiked w/ 2-16d at 6" o.c. with boundary nails staggered between alternate plates.)

3.11. Engineered Lumber:
a) Parallel Strand Lumber (PSL), Laminated Veneer Lumber (LVL), and Laminated Strand Lumber (LSL) Beams shall be manufactured by Weyerhaeuser Trus Joist. Installation shall be in accordance with the manufacturer's specifications and the approved ICC Evaluation Report (ESR-1387). Substitutions will only be allowed with prior written approval of the Engineer.
b) Installation shall be in accordance with the approved ICC Report and per the manufacturer's specifications.
c) LVL beams shall comprise of multiple 1¾" thick members and be connected with 16d common nails, ½" bolts or ¼" lag screws in accordance with the manufacturer's specifications. If thicker LVL beams are available from the manufacturer a single solid piece may be used in lieu connecting multiple 1¾" thick pieces.
d) Beam bearing shall be 1½" minimum length and the full width of the beam. Lateral support of beams at bearing points is required. Additionally, lateral support of beam compression edge is required at 24" o.c.
e) Beams shall not be cut, notched or drilled without specific written approval of the manufacturer.
f) Minimum Nail Spacing Along Member Edge:

Nail Type and Size		LVL	PSL	LSL
		Minimum Member Thickness (in.)		
Penny Weight	Dia. x Length	1.5	1.75	1.25	≥1.75
8d Common	0.131x2.5	4"	4"	4"	3"
10d Common	0.148x3.0	5"	4"	4"	3"
12d Common	0.148x3.25	5"	4"	4"	3"
16d Common	0.162x3.5	8"*	6"	6"†	6"†

*Minimum Spacing decreased to 5 in when nail penetration ≤ 1.25"
†Minimum Spacing decreased to 4 in when nail penetration ≤ 1.25"

g) Engineered wood members shall not be used in locations subject to weather or moisture, unless fully protected from moisture. When engineered wood members are delineated on the plans for use in exterior or exposed conditions, provide protection per the architect, or use wolmanized or preservative-treated lumber or similar wood with weather resistance. Obtain approval from the Engineer prior to any substitutions.
h) Other manufacturers' products will be considered, however they may only be used with prior written approval from the Engineer.
i) Use HU hangers for LVL and LSL framing unless noted otherwise per plan. Provide hangers to match framing member size.

PROJECT NOTES (DSA)

1. A certified Special Inspector shall be employed by the district and approved by the project Architect and Engineer of Record, and by the Division of the State Architect.
2. Reports by the Special Inspector shall be signed by a licensed Civil Engineer. Reports shall be submitted to the project Architect and Engineer of Record, and to the Division of the State Architect. Any and all discrepancies shall be brought to the attention of the Contractor and subsequently the project Architect, Engineer of Record, and Division of the State Architect if not addressed.
3. All Special Inspections shall be per the DSA 103.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
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SS ☑ FLS ☑ ACS ☑
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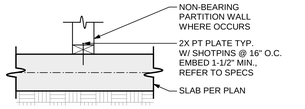
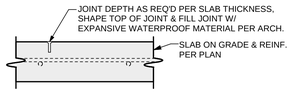


TYP. NON-BEARING WALL TO SLAB

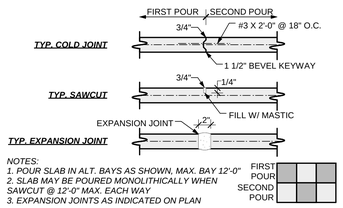


MAX. SPACING OF CONTROL JOINTS*

SLAB -ON-GRADE THICKNESS	*SPACING IF MAX. AGGREGATE SIZE < 3/4"*	*SPACING IF MAX. AGGREGATE SIZE ≥ 3/4"*	*CONTROL JOINT DEPTH*
4"	8'-0" O.C. MAX.	10'-0" O.C. MAX.	7/8"
5"	10'-0" O.C. MAX.	13'-0" O.C. MAX.	1"
6"	12'-0" O.C. MAX.	15'-0" O.C. MAX.	1 1/4"

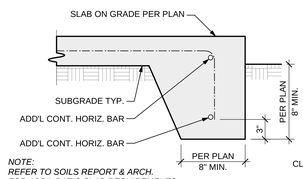
**NOTE: FINAL LOCATION(S) AND CONFIG. OF CONTROL JOINTS SHALL BE APPROVED BY ARCH. AND COORDINATED BETWEEN THE ARCHITECT AND THE CONTRACTOR. CONTROL JOINTS AND SPACINGS SHOWN HERE ARE ONLY SUGGESTIONS - NOT A STRUCTURAL ISSUE. USE OF CONTROL JOINTS IS INTENDED TO HELP CONTROL WHERE MOST OF THE CRACKING WILL OCCUR, FOR VISUAL PURPOSES, NOT TO PREVENT CRACKING.*

SUGGESTED SLAB CONTROL JOINTS



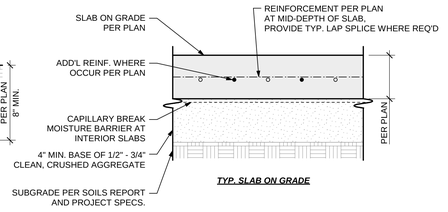
NOTES:
1. POUR SLAB IN ALT. BAYS AS SHOWN, MAX. BAY 12'-0"
2. SLAB MAY BE POURED MONOLITHICALLY WHEN SAWCUT @ 12'-0" MAX. EACH WAY
3. EXPANSION JOINTS AS INDICATED ON PLAN

TYP. SLAB JOINTS

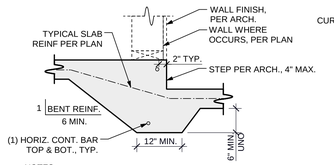


NOTE:
REFER TO SOILS REPORT & ARCH. FOR ADD'L PATIO SLAB REQUIREMENTS

TYP. EDGE FOR EXTERIOR (SITEWORK) SLABS

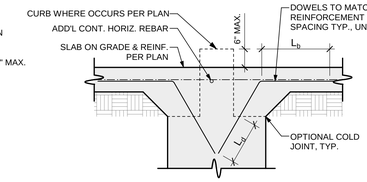


TYP. SLAB ON GRADE

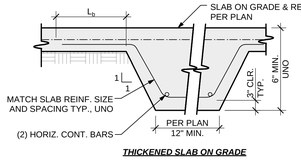


NOTES:
1. SLABS AND SUBGRADES PER PLAN
2. MIN. STEEL CLEARANCES PER GENERAL NOTES UNO
3. REFER TO ARCH. FOR FINISHES ON AND IN CONC.

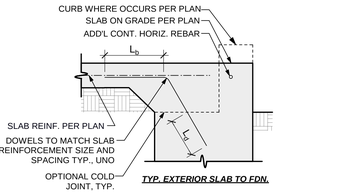
THICKENED SLAB FDN. W/ STEP



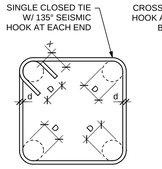
TYP. INTERIOR SLAB TO FDN.



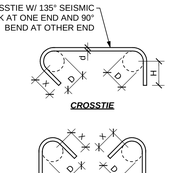
THICKENED SLAB ON GRADE



TYP. EXTERIOR SLAB TO FDN.

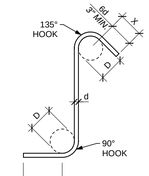


ONE-PIECE SEISMIC TIE (CLOSED)



CROSSTIE

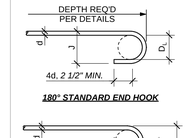
STIRRUP



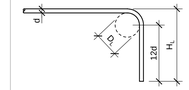
BAR SIZE	D	H	X
#3	1 1/2"	3"	3"
#4	2"	3"	3"
#5	2 1/2"	3 3/4"	3 3/4"
#6	4 1/2"	9"	4 1/2"
#7	5 1/4"	10 1/2"	5 1/4"
#8	6"	12"	6

D = INSIDE BEND DIAMETER
d = NOMINAL BAR DIAMETER

STIRRUPS, TIES, AND CROSS-TIES



180° STANDARD END HOOK



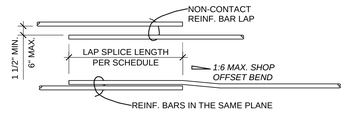
90° STANDARD END HOOK

BAR SIZE	D_i	H_i
#3	2 1/4"	6"
#4	3"	8"
#5	3 3/4"	10"
#6	4 1/2"	12"
#7	5 1/4"	14"
#8	6"	16"
#9	9 1/4"	19 1/2"
#10	10 1/4"	22"
#11	11 1/2"	24"

D_i = INSIDE BEND DIAMETER
d = NOMINAL BAR DIAMETER

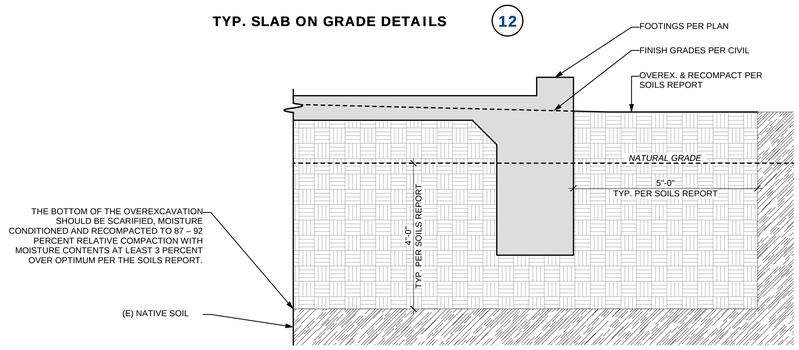
STANDARD END HOOKS FOR MAIN REINFORCEMENT

TYP. REINFORCEMENT BAR BENDS



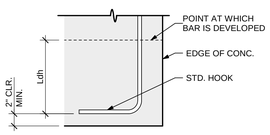
TYPICAL LAP SPLICE

TYP. SLAB ON GRADE DETAILS 12



TYP. FOUNDATION GRADING 8

TYP. REINFORCEMENT DETAILS 2



REBAR LAP SPLICE & Ldh — *3000 PSI CONC. 60 KSI REBAR*

BAR SIZE	*1-1/2" CLR.* MIN. REINF.* LAP SPLICE	*2" CLR.* MIN. REINF.* LAP SPLICE	*STD. HOOK EMBED (Ldh**)* HOOK DEV. LENGTH
#3	17" MIN.	17" MIN.	6"
#4	23" MIN.	23" MIN.	8"
#5	28" MIN.	28" MIN.	10"
#6	34" MIN.	34" MIN.	12"
#7	56" MIN.	49" MIN.	14"
#8	70" MIN.	56" MIN.	16"

** MIN. OF: 1) LEAST CLEAR COVER TO EDGE OF CONCRETE, OR; 2) 1/2 OF LEAST CENTER-TO-CENTER BAR SPACING*
*** 2.5" MIN. SIDE COVER AND 2" MIN. COVER AT EXTENSIONS REQUIRED*

REBAR LAP SPLICE & Ldh - 3KSI 3

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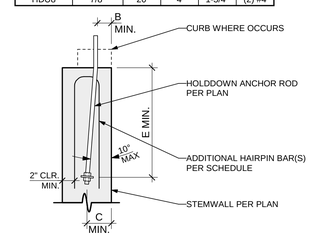
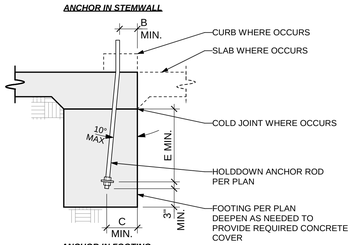
NOTES:
1. THREADED ROD PER MFR. SPECS. W/ SIMPSON BP WASHER TO FIT OR EQUIV. PLATE WASHER
2. EMBEDMENTS PER TABLE ASSUME MIN. (1) CONT. BAR THROUGH BREAKOUT ZONE OF ANCHOR
3. 8" MIN. STEMWALL WIDTH REQUIRED
4. VERTICAL WALL REINF. BAR REQUIRED WITHIN 9" OF EACH SIDE OF ANCHOR (IN ADDITION TO ANY REQUIRED HAIRPINS).
5. ANCHOR ROD MAY BE BENT A MAX OF 10° TO MAINTAIN REQUIRED CONCRETE COVER AND CLEARANCES.
6. ANCHOR ROD SHALL BE EMBEDDED BY DISTANCE "E" BELOW LOWEST COLD JOINT (IF CONCRETE IS NOT MONOLITHIC).

HOLDOWN	ROD DIA.	E	C	B	HAIRPINS
HDU2	5/8"	12"	4"	1-3/4"	-
HDU4	5/8"	20"	4"	1-3/4"	-
HDU5	5/8"	20"	4"	1-3/4"	(1) #4
HDU8	7/8"	20"	4"	1-3/4"	(2) #4

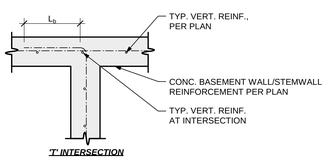


ANCHOR IN STEMWALL

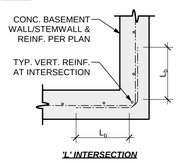


ANCHOR IN FOOTING

TYP. EMBEDMENT DETAILS 20

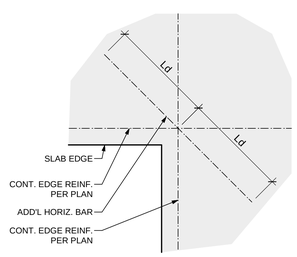


'T' INTERSECTION

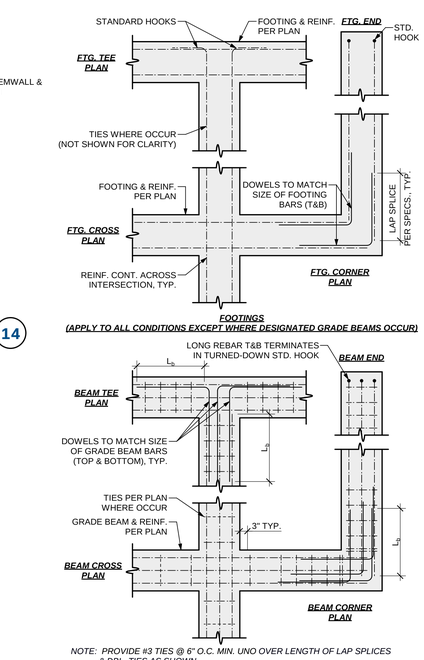


'L' INTERSECTION

TYP. STEMWALL CONNECTIONS 14



SLAB RE-ENTRANT CORNER 15

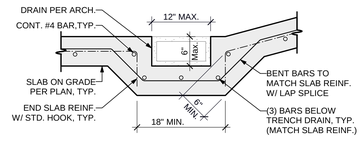


FOOTINGS
(APPLY TO ALL CONDITIONS EXCEPT WHERE DESIGNATED GRADE BEAMS OCCUR)

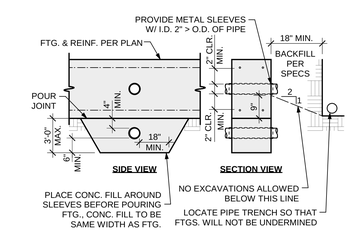
NOTE: PROVIDE #3 TIES @ 6" O.C. MIN. UNO OVER LENGTH OF LAP SPLICES & DBL. TIES AS SHOWN.

GRADE BEAMS
(APPLY ONLY AS SPECIFICALLY NOTED ON PLANS)

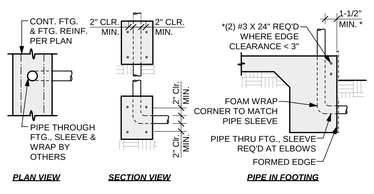
TYP. FOUNDATION CONNECTIONS 10



TRENCH DRAIN IN SLAB ON GRADE



TYP. PIPE / TRENCH AT FOOTING

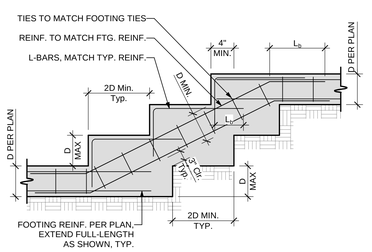


TYP. VERTICAL PIPE PENETRATION

NOTE: NO PIPE SHALL BE LOCATED WITHIN 24" OF A HOLDOWN ANCHOR.

TYP. FOOTING PENETRATIONS 5

NOTE: THIS DETAIL IS REQUIRED FOR ANY FOOTING EXCEEDING A 1:10 SLOPE UNO.



TYP. STEPPED FOOTING 25

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DATE: 06/15/2026
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TYP. STRUCTURAL DETAILS

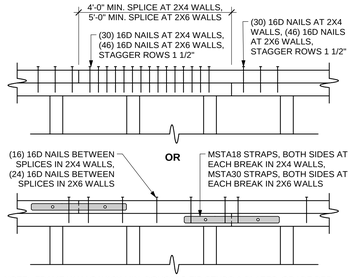
NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

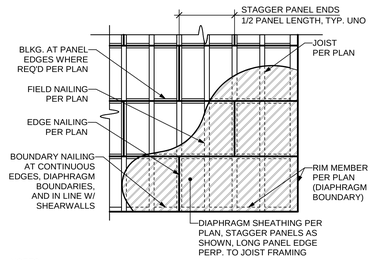
DRAWN BY:	T&S NO:	AMB
CHECKED BY:	250285	BTD
PROJECT NO: 25042	DATE: DSA SUBMITTAL - 04/17/26	

S1.1



NOTE: FRAME WALLS W/ 2X MIN. DOUGLAS FIR STUDS & PLATES, GRADE PER SPECIFICATIONS UNO ON PLAN AT PLATES WIDER THAN 2X6, USE 2-2X6 SPLICE VALUES UNO

TYP. 2-2X TOP PLATE SPLICE 16

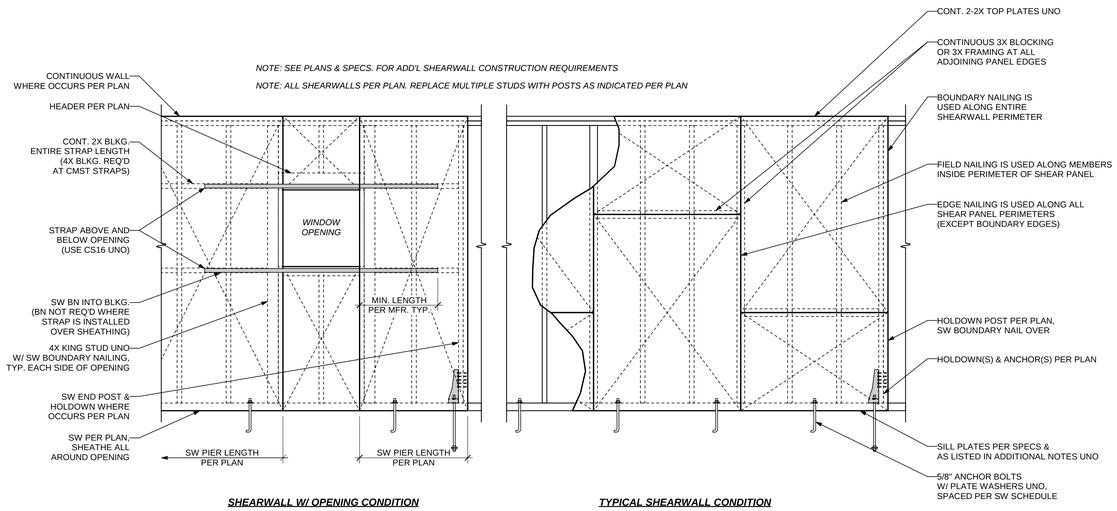


NOTES:
1. *SHEATHING PANELS SHALL ABUT ALONG CL OF FRAMING MEMBERS.*
2. *NAIL EDGE DISTANCE FROM PANEL EDGES AND MEMBER EDGES PER SPECS.*

TYP. PLYWOOD DIAPHRAGM 17

NOTE: SEE PLANS & SPECS. FOR ADD'L SHEARWALL CONSTRUCTION REQUIREMENTS

NOTE: ALL SHEARWALLS PER PLAN. REPLACE MULTIPLE STUDS WITH POSTS AS INDICATED PER PLAN

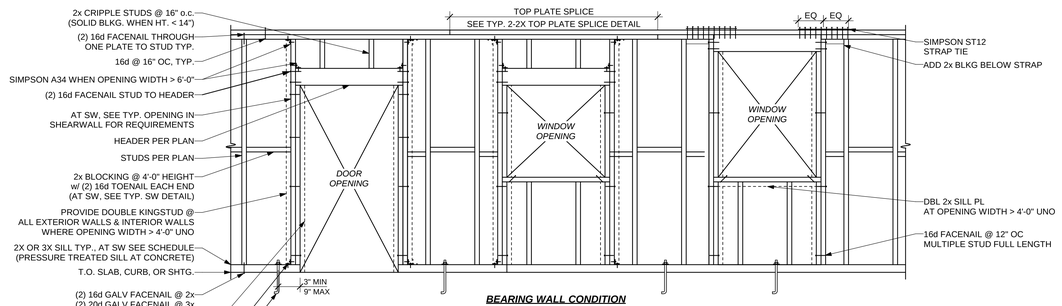


SHEARWALL W/ OPENING CONDITION ***TYPICAL SHEARWALL CONDITION***

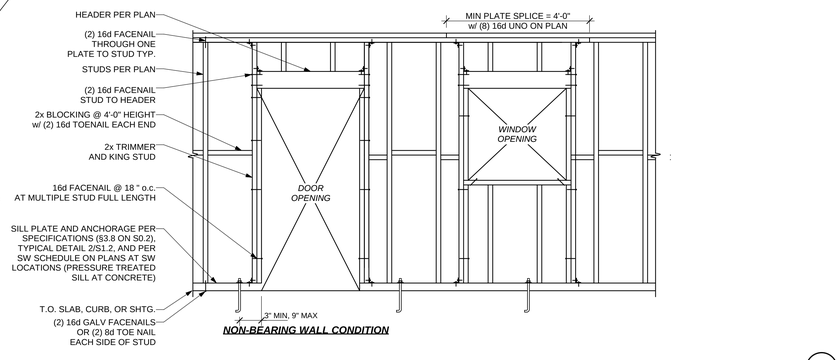
ADDITIONAL NOTES: REFER TO "WOOD" SECTION OF THE SPECIFICATIONS FOR ADD'L FRAMING REQUIREMENTS

1. *ALL NAILS SHALL HAVE 3/8" EDGE DISTANCE, MIN. (1/2" EDGE DISTANCE, MIN. IN LA CITY).*
2. *SHEATHING FOR SINGLE-SIDED SHEARWALLS MAY BE PLACED ON EITHER FACE OF WALL UNO; PROVIDE MIN. LENGTH SPECIFIED AND COORDINATE W/ ARCH FINISHES.*
3. *SHEATHING PANELS SHALL ABUT ALONG CL OF FRAMING MEMBERS; MIN. PLYWOOD DIMENSION FOR USE IN SW SHALL BE 12".*
4. *FOR SHEARWALLS WITH CAPACITY OVER 350 PLF, 3X MEMBERS ARE REQUIRED FOR ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS; 2-2X MEMBERS MAY BE USED INSTEAD OF 3X MEMBERS ONLY IF THE 2X MEMBERS ARE JOINED WITH LAG OR SDS SCREWS W/ 3" MIN. LENGTH, SPACED PER THE SW SCHEDULE; SCREWS SHOULD BE STAGGERED BETWEEN INTERIOR AND EXTERIOR FACES OF THE 2-2X MEMBER WITH 1" EDGE DISTANCE.*
5. *FOR SHEARWALLS WITH CAPACITY OVER 350 PLF, PANEL JOINT AND SILL PLATE NAILING SHALL BE STAGGERED IN ALL CASES PER CBC TABLE 2306.3, FOOTNOTE G.*
6. *SILL PLATES ON MASONRY OR CONCRETE MUST BE 3X PRESSURE TREATED; ALL SILL PLATES FOR TWO-SIDED SHEARWALLS MUST BE 3X MEMBERS; SILL PLATES ON WOOD FRAMING FOR ONE-SIDED SHEARWALLS MAY BE 2X MEMBERS; WALL STUDS AND BLOCKING AT ADJOINING PANEL EDGES MUST BE 3X OR LARGER.*
7. *AT ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS NOT NOTED AS SHEARWALLS , BLOCKING SHALL BE PROVIDED BETWEEN JOISTS AND/OR RAFTERS WITH A35, RBC, OR LTP4 TO TOP PLATES @ 16" O.C. AT FLOOR AND 24" O.C. AT ROOF CONDITIONS, UNO.*

TYP. SHEARWALL FRAMING & NOTES 2



BEARING WALL CONDITION



NON-BEARING WALL CONDITION

DETAIL NOTES:
1. HEADERS, KINGSTUDS AND OTHER REFERENCES ON PLAN GOVERN OVER TYPICAL DETAIL. HEADER WIDTH SAME SIZE AS STUD WIDTH, UNO.
2. SEE SHEAR WALL NAILING DETAIL FOR ADDITIONAL INFORMATION.
3. SIMPSON HUC HANGER TO BE USED IN LIEU OF TRIMMER STUDS AT OPENING HEADERS AS REQUIRED. WHERE TRIMMER STUDS ARE NOT POSSIBLE, PROVIDE DOUBLE 2x KINGSTUD MINIMUM, UNO.

TYP. WALL FRAMING 4

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TYP. STRUCTURAL DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY:	T&S NO:	AMB
CHECKED BY:	250285	BTD
PROJECT NO:		DATE:
25042	DSA SUBMITTAL - 04/17/26	

S1.2

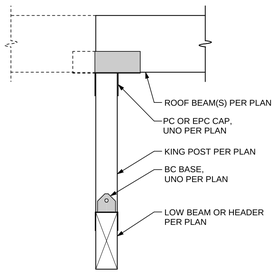
BUILDING ELEMENTS	NUMBER & TYPE OF FASTENER	SPACING & LOCATION	
ROOF			
1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW	3-8D COMMON	EACH END, TOENAIL	
BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	2-8D COMMON	EACH END, TOENAIL	
	2-16D COMMON	EACH END	
FLAT BLOCKING TO TRUSS AND WEB FILLER	16D COMMON @ 6" O.C.	FACE NAIL	
2. CEILING JOISTS TO TOP PLATE	3-8D COMMON	EACH JOIST, TOENAIL	
3. CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	3-16D COMMON	FACE NAIL	
4. CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	PER TABLE 2308.7.3.1	FACE NAIL	
5. COLLAR TIE TO RAFTER	3-10D COMMON	FACE NAIL	
6. RAFTER OR ROOF TRUSS TO TOP PLATE (SEE SECTION 2308.7.5, TABLE 2308.7.5)	3-10D COMMON	TOENAIL [C]	
7. ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2-INCH RIDGE BEAM	2-16D COMMON	END NAIL	
	3-10D COMMON	TOENAIL	
WALL			
8. STUD TO STUD (NOT AT BRACED WALL PANELS)	16D COMMON	24" O.C. FACE NAIL	
9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16D COMMON	24" O.C. FACE NAIL	
10. BUILT-UP HEADER (2" TO 2" HEADER)	16D COMMON	16" O.C. FACE NAIL	
11. CONTINUOUS HEADER TO STUD	4-8D COMMON	TOENAIL	
12. TOP PLATE TO TOP PLATE	8-16D COMMON	16" O.C. FACE NAIL	
13 TOP PLATE TO TOP PLATE, AT END JOINTS	8-16D COMMON	EA. SIDE OF END JOINT, FACE NAIL (MIN. 24" LAP SPLICE LENGTH EA. SIDE OF END JOINT)	
14. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16D COMMON	12" O.C. FACE NAIL	
15. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS	16D COMMON	16" O.C. FACE NAIL	
16. STUD TO TOP OR BOTTOM PLATE	4-8D COMMON	TOENAIL	
	2-16D COMMON	END NAIL	
17. TOP OR BOTTOM PLATE TO STUD	2-16D COMMON	FACE NAIL	
18. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2-16D COMMON	FACE NAIL	
19. 1" BRACE TO EACH STUD AND PLATE	2-8D COMMON	FACE NAIL	
20. 1" X 6" SHEATHING TO EACH BEARING	2-8D COMMON	FACE NAIL	
21. 1" X 8" AND WIDER SHEATHING TO EACH BEARING	2-8D COMMON	FACE NAIL	
FLOOR			
22. JOIST TO SILL, TOP PLATE, OR GIRDER	3-8D COMMON	TOENAIL	
23. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	3-8D COMMON	6" O.C., TOENAIL	
24. 1" X 6" SUBFLOOR OR LESS TO EACH JOIST	2-8D COMMON	FACE NAIL	
25. 2" SUBFLOOR TO JOIST OR GIRDER	2-16D COMMON	FACE NAIL	
26. 2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	2-16D COMMON	FACE NAIL	
27. BUILT-UP GIRDERS & BEAMS, 2" LUMBER LAYERS	20D COMMON	32" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES	
	AND 2-20D COMMON	ENDS AND AT EACH SPLICE, FACE NAIL	
28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16D COMMON	EACH JOIST OR RAFTER, FACE NAIL	
29. JOIST TO BAND JOIST OR RIM JOIST	3-16D COMMON	END NAIL	
30. BRIDGING OR BLOCKING TO JOISTS, RAFTER OR TRUSS	2-8D COMMON	EACH END, TOENAIL	
WOOD STRUCTURAL PANELS (WSP), SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL SHEATHING TO FRAMING [A]			
		EDGES (IN.)	INTERMEDIATE SUPPORTS (IN.)
31. 3/8" - 1/2"	6D COMMON (SUBFLOOR AND WALL)	6	12
32. 19/32" - 3/4"	8D COMMON	6	12
33. 7/8" - 1 1/4"	10D COMMON	6	12
OTHER EXTERIOR WALL SHEATHING			
34. 1/2" FIBERBOARD SHEATHING [B]	1 1/2" GALVANIZED ROOFING NAIL; OR 1 1/4" 16 GAGE STAPLE WITH 7/16" OR 1" CROWN	3	6
35. 25/32" FIBERBOARD SHEATHING [B]	1 3/4" GALVANIZED ROOFING NAIL; OR 1 1/2 " 16 GAGE STAPLE WITH 7/16" OR 1" CROWN	3	6
OTHER EXTERIOR WALL SHEATHING			
36. 3/4" AND LESS	8D COMMON	6	12
37. 7/8" - 1"	8D COMMON	6	12
38. 1 1/8" - 1 1/4"	10D COMMON	6	12
PANEL SIDING TO FRAMING			
39. 1/2" OR LESS	6D CORROSION-RESISTANT SIDING; OR 6D CORROSION RESISTANT CASING	6	12
40. 5/8"	8D CORROSION-RESISTANT SIDING; OR 8D CORROSION RESISTANT CASING	6	12
INTERIOR PANELING			
41. 1/4"	4D CASING; OR 4D FINISH	6	12
42. 3/8"	6D CASING; OR 6D FINISH	6	12

A. NAILS SPACED AT 6 INCHES AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING AND DIAPHRAGMS SHALL BE COMMON NAIL SIZES PER ASTM F1667.

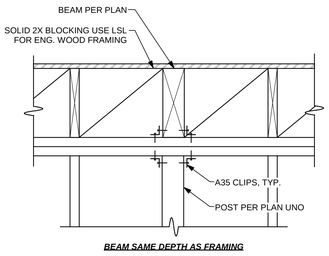
B. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORT FOR NONSTRUCTURAL APPLICATIONS. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).

C. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.

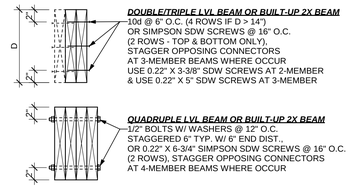
WOOD FASTENING SCHEDULE 19



KING POST TO BEAM 11



BEAM SAME DEPTH AS FRAMING

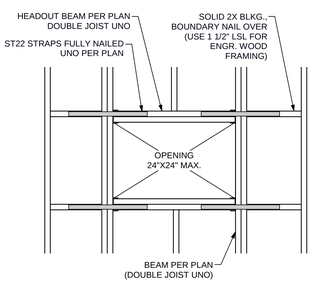


DOUBLE/TRIPLE LVL BEAM OR BUILT-UP 2X BEAM
10d @ 6" O.C. (4 ROWS IF D > 14")
OR SIMPSON SDW SCREWS @ 16" O.C.
(2 ROWS - TOP & BOTTOM ONLY)
STAGGER OPPOSING CONNECTORS
AT 3-MEMBER BEAMS WHERE OCCUR
USE 0.22" X 3-3/8" SDW SCREWS AT 2-MEMBER
& USE 0.22" X 5" SDW SCREWS AT 3-MEMBER

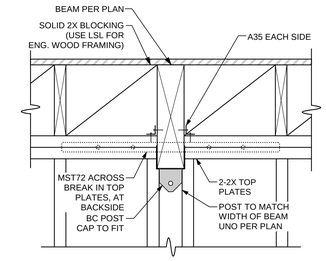
QUADRUPLE LVL BEAM OR BUILT-UP 2X BEAM
1/2" BOLTS W/ WASHERS @ 12" O.C.
STAGGERED 6" TYP. W/ 6" END DIST.,
OR 0.22" X 6-3/4" SIMPSON SDW SCREWS @ 16" O.C.
(2 ROWS), STAGGER OPPOSING CONNECTORS
AT 4-MEMBER BEAMS WHERE OCCUR

NOTE: ALL ENGINEERED WOOD CONNECTIONS SHALL CONFORM TO MANUFACTURER'S SPECS

MULTIPLE-MEMBER CONNECTION 1

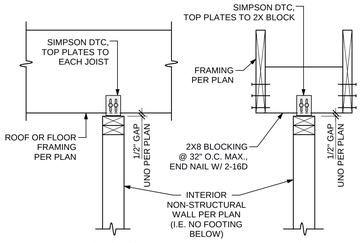


TYP. DIAPHRAGM OPENING 12



BEAM DEEPER THAN FRAMING

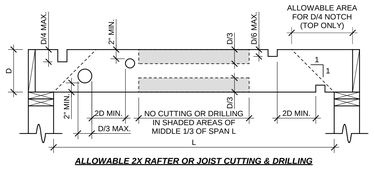
BEAM SUPPORT AT WALL 7



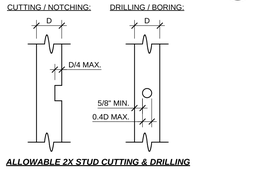
WALL PERPENDICULAR TO FRAMING ***WALL PARALLEL TO FRAMING***

NOTE: SEE TYPICAL NON-STRUCTURAL WALL TO SLAB DETAIL FOR CONNECTION AT SLAB

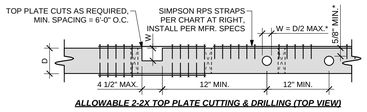
TYP. NON-STR. WALL TO FRAMING 3



ALLOWABLE 2X RAFTER OR JOIST CUTTING & DRILLING



ALLOWABLE 2X STUD CUTTING & DRILLING



ALLOWABLE 2-2X TOP PLATE CUTTING & DRILLING (TOP VIEW)

REQUIRED STRAPS AT CUT/DRILLED PLATES

MAX. CUT/HOLE WIDTH	STRAP(S) REQUIRED
DRILLED HOLE: W < D/2	RPS22 EACH SIDE OF PLATES (STAGGER VERTICALLY)
CUT: W < D/2	(2) CTS218 ON SIDE OF CUT
HOLE OR CUT: W > D/2	(2) CTS218 ON EACH SIDE OF CUT

** TREAT DRILLED HOLES NOT MEETING THESE REQUIREMENTS AS HOLES WITH W > D/2.*

NOTE: THESE DETAILS ONLY APPLY TO THE SIMPLE STRUCTURAL SITUATIONS SHOWN. THEY ARE NOT INTENDED TO APPLY TO POSTS, BEAMS, CANTILEVERED MEMBERS, OR OTHER STRUCTURAL MEMBERS SPECIFIED ON THE PLANS UNO. SEE THE SPECS FOR ADDITIONAL RELATED INFORMATION. CONTACT T&S REGARDING CUTS OR DRILLING NOT COVERED.

ALLOWED 2X CUTTING & DRILLING 4

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TYP. STRUCTURAL DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AMB
CHECKED BY: BTD
T&S NO: 250285
PROJECT NO: 25042
DATE: DSA SUBMITTAL - 04/17/26

S1.3

REF & TRUE NORTH

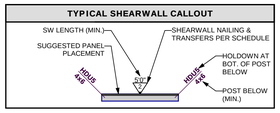
POST SCHEDULE

MARK	SIZE	*NOTES*
4x6	4x6 DF#1	-
P46P	3-1/2" X 5-1/4" PSL	-
6x6	6x6 DF#1	-
P66P	5-1/4" X 5-1/4" PSL	-

SHEATH ALL EXTERIOR NON-SWS AS "DELTA 1," MIN., TYP. PER ARCH.

SEE SPECS, SCHEDULE, NOTES, AND TYPICAL DETAILS FOR ADD'L REQUIREMENTS

TYPICAL SHEARWALL CALLOUT



SHEARWALL SCHEDULE

NO.	DESCRIPTION	NO. OF SIDES	NAILING[1] SIZE	NAILING[1] BOUNDARY SPACING	NAILING[1] EDGE SPACING	TRANSFER ALTERNATIVES (1)SWP[7]	(2)SDS	(2)SDWS	(2)SDS	(2)PAB	(4)SDS	(4)SDWS	(1)SDS	(1)SDWS	Seismic (ASD)
	SHEATHING MATERIAL					SB" A.B.	SDS Screw	SDWS Screw	3/8" Lag	LTP4	LTP5	A35	RBC	HGA10 KT	16d common	VALUE (plf)
1	1/2" ST1 PLYWOOD	1	10d	4"	4"	44"	9"	13"	7"	12"	11"	15"	10"	27"	3.5"	510
2	1/2" ST1 PLYWOOD	1	10d	3"	3"	32"	7"	10"	5.5"	9"	8"	11"	7"	21"	2.5"	665

FOOTNOTES:

[1] Use COMMON NAILS ONLY for all sheathing. Field nailing is 12" o.c. Provide 3x framing at all panel joints UNO.
[2] Anchor bolts for shearwalls must have 3" x 3" x 0.229" plate washers min., install per 2021 AWC SDPWS 4.3.6.4.3.
[3] Embed SDS 2" min. into framing below (min. length is usually 4 1/2" at 2x sills & 6" at 3x sills, V.I.F.). [ICC ESR-2236]
[4] Embed SDWS 2" min. into framing below (min. length is usually 5" at 2x sills & 6" at 3x sills, V.I.F.). [IAPMO ER-192]
[5] Embed 3/8" lags 3" min. into framing below per plan (usually 6" lags at 2x sills & 7" lags at 3x sills, V.I.F.).
[6] Staggered screw pattern required. Use 4x min. rim/beam/blkg. below as required for 1" edge distance & 1 1/2" spacing between rows.
[7] Install rim/beam/blkg. to match full width of top plates, and alternate clips on each side of wall.
[8] 16d transfers are NOT allowed through 3x sills or sheathing thicker than 3/4", 1" min. penetration into rim is required.
[9] Value based on 2018 AWC NDS Table 12E for light-framed construction.
[10] At Delta 0 shearwalls, 2x framing members may be used at all panel joints UNO.
[11] LTP4 installed over sheathing shall use 8d common nails (0.131" x 2-1/2") UNO per plan.

FOUNDATION NOTES

SYMBOL KEY:

CF#: = CONTINUOUS FOOTING OR GRADE BEAM PER SCHED. (SOLID LINE INDICATES **CURB**)

= CONTINUOUS THICKENED SLAB PER PLAN (SOLID LINE INDICATES **CURB**)

PF#: = PAD FOOTING PER SCHED.

= 4" SLAB ON GRADE W/ #4 @ 18" O.C. EACH WAY PER TYP. DETAIL

= SLAB ON GRADE PER PLAN W/ 1.5" DEPRESSION PER PLAN

= WALL STUDS ABOVE PER SCHEDULE

= SHEAR WALL ABOVE PER SCHEDULE

4x4 HDU5 4x4: = POST ABOVE PER PLAN

= HOLDOWN AT BOT. OF POST PER PLAN SEE TYP. DETAIL FOR FOUNDATION ANCHORAGE, TYP. UNO

= STEP PER ARCH IN FRAMING OR SLAB

NOTES:

SEE GENERAL NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND MATERIAL SPECIFICATIONS

SEE S1 SERIES SHEETS FOR TYPICAL DETAILS, TYPICAL DETAILS APPLY THROUGHOUT THIS PLAN UNO

ALL DIMENSIONS PER ARCHITECTURAL PLANS, CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION

SEE SOILS REPORT, GENERAL NOTES & SPECS FOR ADDITIONAL REQUIREMENTS AND MATERIAL SPECS

PRIOR TO THE CONTRACTOR REQUESTING A FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING INSPECTOR IN WRITING THAT:

a) THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT,
b) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED,
c) THE FOUNDATION EXCAVATIONS, THE SOIL'S EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY CONFORM TO THE SOILS REPORT.

PROVIDE WALL-LENGTH, CONTINUOUS, FULL-DEPTH, SOLID BLOCKING (WHERE FLOOR JOISTS ARE PERPENDICULAR) OR DOUBLE FLOOR JOIST (WHERE FLOOR JOISTS ARE PARALLEL), FOR ALL WALLS AT LEVEL ABOVE

WALL STUD SCHEDULE

MAX. HEIGHT	EXTERIOR BEARING	INTERIOR BEARING (MIN.)
11'-6" MAX.	2X6 @ 16" OC (UNO)	2X6 @ 16" OC (UNO)
18'-6" MAX.	*1-3/4"X5-1/2" 1.55E TIMBERSTRAND LSL STUDS @ 16" O.C. AS NOTED*	*1-3/4"X5-1/2" 1.55E TIMBERSTRAND LSL STUDS @ 16" O.C. AS NOTED*

- FOR BEARING WALLS, FOLLOW DETAILS PER PLAN.
- FOR NON-BEARING WALLS, STUDS SHALL BE 2X6 @ 16" OC UNO, REFER TO TYP. DETAILS FOR CONNECTIONS AND REQUIREMENTS. MAX HEIGHT 14'-0", ELSE USE LSL STUDS SIM TO ABOVE.

CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH (W)	EMBED.[1]	LONGITUDINAL REINF.	TRANSVERSE REINF.	NOTES
CF1	15"	39"	(2) #5, TOP & BOT.	-	SEE DET. 1/S3.1
CF2	15"	39"	(2) #5, TOP & BOT.	-	SEE DET. 2/S3.1
CF3	15"	39"	(2) #5, TOP & BOT.	-	SEE DET. 3/S3.1
CF4	25"	39"	(2) #5, TOP & BOT.	-	SEE DET. 10/S3.1
CF5	29"	39"	(3) #5, TOP & BOT.	-	SEE DET. 15/S3.1

[1] *FOUNDATIONS SHALL SATISFY THE MINIMUM REQUIRED EMBEDMENT INTO SUITABLE BEARING SOIL, PER SOILS REPORT.*

PAD FOOTING SCHEDULE

MARK	SIZE (W x B)	EMBED.[1]	REINF.	NOTES
PF1	36" x 36"	39"	#4 @ 12" OC BOTTOM	SEE DET. PER PLAN

[1] *FOUNDATIONS SHALL SATISFY THE MINIMUM REQUIRED EMBEDMENT INTO SUITABLE BEARING SOIL, PER SOILS REPORT.*

1 FOUNDATION PLAN

1/8" = 1'-0"

0 2' 5' 10' 20' 30'

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(DSA STAMP AREA)

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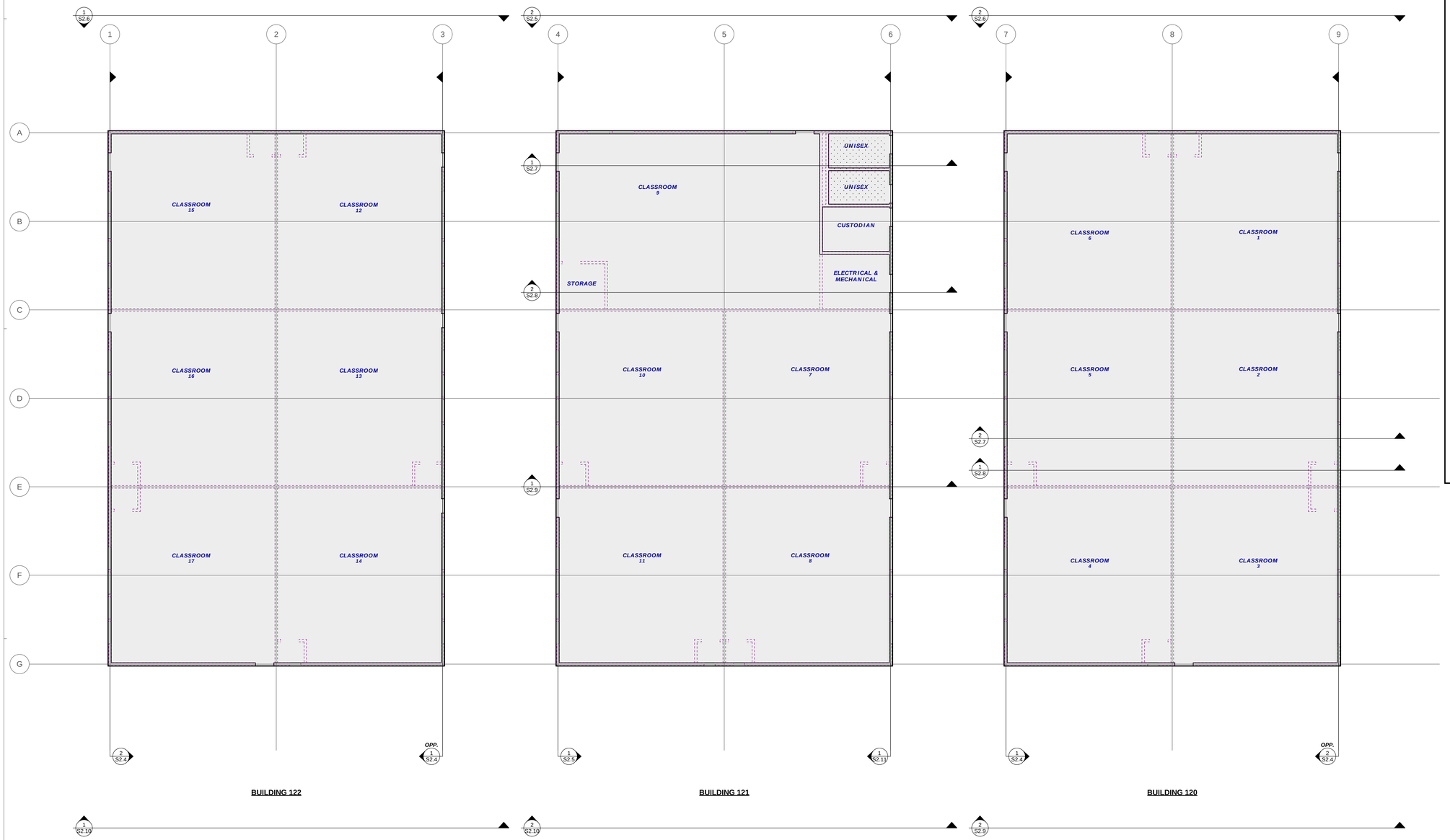
FOUNDATION PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AMB
CHECKED BY: BTD
T&S NO: 250285
PROJECT NO: 25042
DATE: DSA SUBMITTAL - 04/17/26

S2.1



1 CURB PLAN

1/8" = 1'-0"

0 2' 5' 10' 20' 30'

REF & TRUE NORTH

FOUNDATION NOTES

SYMBOL KEY:

= CURB PER PLAN

= 4" SLAB ON GRADE W/ #3 @ 18" O.C. EACH WAY PER TYP. DETAIL

= SLAB ON GRADE PER PLAN W/ 1.5" DEPRESSION PER PLAN

= WALL STUDS ABOVE PER SCHEDULE

= STEP PER ARCH IN FRAMING OR SLAB

NOTES:

SEE GENERAL NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND MATERIAL SPECIFICATIONS

SEE S1 SERIES SHEETS FOR TYPICAL DETAILS, TYPICAL DETAILS APPLY THROUGHOUT THIS PLAN UNO

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c) THE FOUNDATION EXCAVATIONS, THE SOIL'S EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY CONFORM TO THE SOILS REPORT.

PROVIDE WALL-LENGTH, CONTINUOUS, FULL-DEPTH, SOLID BLOCKING (WHERE FLOOR JOISTS ARE PERPENDICULAR) OR DOUBLE FLOOR JOIST (WHERE FLOOR JOISTS ARE PARALLEL), FOR ALL WALLS AT LEVEL ABOVE

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CURB PLAN

NEW CLASSROOM BUILDINGS AT
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525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

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CHECKED BY: BTD
T&S NO: 250285
PROJECT NO: 25042
DATE: DSA SUBMITTAL - 04/17/26

S2.2

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DIAPHRAGM SCHEDULE

CONDITION	MIN. SHTG.	NAILS	NAIL SPACING[1]	CONDITION
ROOF	1/2" CDX/OSB PL 24/0	10d COMMON	6", 6", 12"	UNBLOCKED

REFER TO TYP. DETAILS FOR TYP. DIAPHRAGM DETAIL

[1]*NAIL SPACING OF A",B",C" INDICATES DIAPHRAGM NAILING OF A" OC AT BOUNDARIES, B" OC AT CONTINUOUS PANEL EDGES, C" OC FIELD NAILING*

POST SCHEDULE

MARK	SIZE	*NOTES*
4x6	4x6 DF#1	-
P46P	3-1/2" X 5-1/4" PSL	-
6x6	6x6 DF#1	-
P66P	5-1/4" X 5-1/4" PSL	-

BEAM SCHEDULE

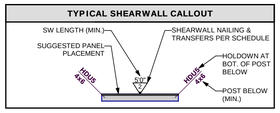
MARK	SIZE	*NOTES*
B610P	5-1/4" X 9-1/4" PSL	-
B614PN	5-1/4" X 14" PSL	*NOTCH CANT. PORTION OF BEAM PER PLAN*
B710P	7" X 9-1/4" PSL	-
B714P	7" X 14" PSL	*NOTCH CANT. PORTION OF BEAM PER PLAN*
B724PN	7" X 24" PSL	-

BEAM SCHEDULE NOTES:
1) *FOR DBL OR TRIPLE JOISTS, CONNECT PER TYP. DETAIL.*
2) *BEAMS SHALL BEAR ON PLATES W/ POST PER PLAN UNO.*
3) *TOP OF BEAM SHALL BE FLUSH WITH TOP OF JOISTS, UNO. "LOW" INDICATES THAT JOISTS BEAR ON TOP OF BEAM.*

SHEATH ALL EXTERIOR NON-SWS AS 'DELTA 1," MIN., TYP. PER ARCH.

SEE SPECS, SCHEDULE, NOTES, AND TYPICAL DETAILS FOR ADD'L REQUIREMENTS

TYPICAL SHEARWALL CALLOUT



SHEARWALL SCHEDULE

NO.	DESCRIPTION: SHEATHING MATERIAL	NO. OF SIDES	NAILING[1]: SIZE	BOUNDARY SPACING	EDGE SPACING	TRANSFER ALTERNATIVES: (1)SSW[2]	(2)SDS	(3)SDWS Screw	(3)SDWS Lag	LTP4	LTP5	A35	RBC	HGA10 KT	(1)SSW	(2)SDS	(3)SDWS Screw	(3)SDWS Lag	(4)SDWS	(5)SDWS	(6)SDWS	(7)SDWS	(8)SDWS	(9)SDWS	(10)SSW	(11)SSW	16d common	Seismic (ASD): VALUE (plf)
1	1/2" ST1 PLYWOOD	1	10d	4"	4"	44"	9"	13"	7"	12"	11"	15"	10"	27"	3.5"	510											
1	1/2" ST1 PLYWOOD	1	10d	3"	3"	32"	7"	10"	5.5"	9"	8"	11"	7"	21"	2.5"	665											

FOOTNOTES:
[1] Use COMMON NAILS ONLY for all sheathing. Field nailing is 12" o.c. Provide 3x framing at all panel joints UNO.
[2] Anchor bolts for shearwalls must have 3" x 3" x 0.229" plate washers min., install per 2021 AWC SDPWS 4.3.6.4.3.
[3] Embed SDS 2" min. into framing below (min. length is usually 4 1/2" at 2x sills & 6" at 3x sills, V.I.F.). [ICC ESR-2236]
[4] Embed SDWS 2" min. into framing below (min. length is usually 5" at 2x sills & 6" at 3x sills, V.I.F.). [IAPMO ER-192]
[5] Embed 3/8" lags 3" min. into framing below per plan (usually 6" lags at 2x sills & 7" lags at 3x sills, V.I.F.).
[6] Staggered screw pattern required. Use 4x min. rim/beam/blkg. below as required for 1" edge distance & 1 1/2" spacing between rows.
[7] Install rim/beam/blkg. to match full width of top plates, and alternate clips on each side of wall.
[8] 16d transfers are NOT allowed through 3x sills or sheathing thicker than 3/4", 1" min. penetration into rim is required.
[9] Value based on 2018 AWC NDS Table 12E for light-framed construction.
[10] At Delta 0 shearwalls, 2x framing members may be used at all panel joints UNO.
[11] LTP4 installed over sheathing shall use 8d common nails (0.131" x 2-1/2") UNO per plan.

FRAMING NOTES

SYMBOL KEY:

- = JOISTS PER PLAN
- = CELING JOISTS PER PLAN
- = BEAM PER PLAN
- = HEADER PER PLAN (INDICATES CONTINUOUS TOP PLATES ABOVE)
- = WALL STUDS BELOW PER SCHEDULE
- = NON-BEARING (PARTITION) WALL STUDS BELOW PER SCHEDULE
- = SHEAR WALL BELOW PER SCHEDULE
- = POST BELOW PER PLAN
- = HOLDOWN AT BOT. OF POST PER PLAN
- = OPENINGS IN DIAPHRAGM
- = STEP PER ARCH IN FRAMING OR SLAB
- = EXTENT OF ROOF ABOVE UNO
- S# = STRAP PER PLAN
- HSS# = HSS PER SCHEDULE

NOTES:

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FRAMED WALLS SHALL HAVE CONTINUOUS DOUBLE TOP PLATES, SPLICE AS REQUIRED PER TYPICAL DETAILS

BEAMS SHALL BEAR ON PLATES WITH INDICATED POST OR DOUBLE STUD BELOW, UNO

WALL STUD SCHEDULE

MAX. HEIGHT	EXTERIOR BEARING	INTERIOR BEARING (MIN.)
11'-6" MAX.	2X6 @ 16" OC (UNO)	2X6 @ 16" OC (UNO)
18'-6" MAX.	*1-3/4"X5-1/2" 1.55E TIMBERSTRAND LSL STUDS @ 16" O.C. AS NOTED*	*1-3/4"X5-1/2" 1.55E TIMBERSTRAND LSL STUDS @ 16" O.C. AS NOTED*

- FOR BEARING WALLS, FOLLOW DETAILS PER PLAN.
- FOR NON-BEARING WALLS, STUDS SHALL BE 2X6 @ 16" OC UNO, REFER TO TYP. DETAILS FOR CONNECTIONS AND REQUIREMENTS. MAX HEIGHT 14'-0", ELSE USE LSL STUDS SIM TO ABOVE.

ROOF JOIST SCHEDULE

MARK	JOIST SIZE AND TYPE	MAX. SPAN	SPACING, UNO	HANGER (TYP., UNO)
RJ2X10	2X10 DF#2	6'-0"	@ 16" OC	HUS
RJ214	1-3/4" X 14" LVL	30'-1"	@ 16" OC	HUS

-FOR DBL OR TRIPLE JOISTS, CONNECT PER TYP. DETAIL

-PROVIDE WALL-LENGTH, CONTINUOUS, FULL-DEPTH, SOLID BLOCKING (WHERE FLOOR JOISTS ARE PERPENDICULAR) OR DOUBLE FLOOR JOIST (WHERE FLOOR JOISTS ARE PARALLEL) FOR ALL WALLS AT LEVEL ABOVE

HEADER SCHEDULE

MAX. HDR. SPAN	HEADER (UNO)	TRIMMERS (UNO)
	2X6 WALL	2X6 WALL
4'-0"	6X6	2X6

-REFER TO TYP. DETAILS FOR TYP. HEADER CONNECTIONS

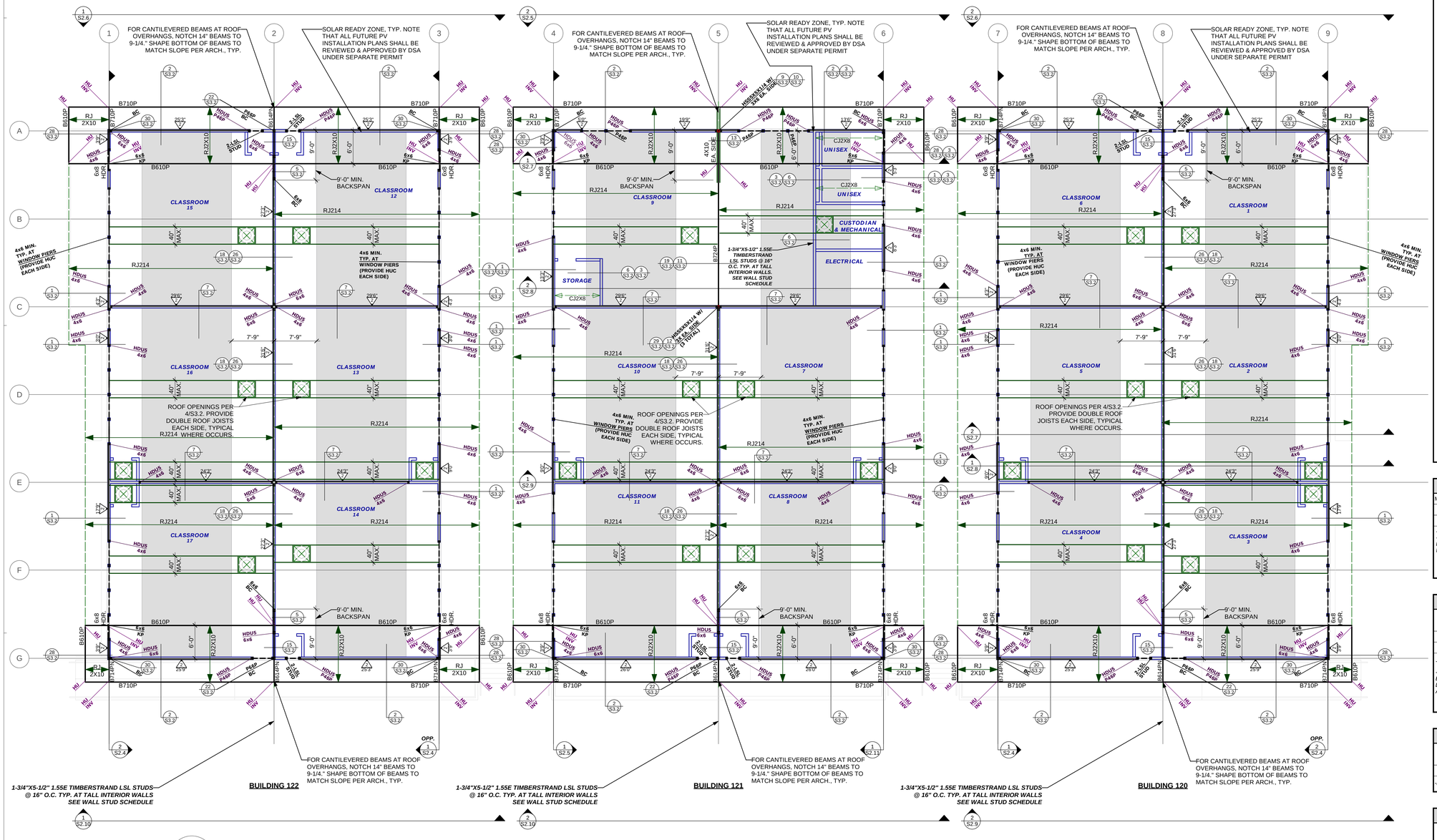
CEILING JOIST SCHEDULE

MARK	JOIST SIZE AND TYPE	MAX. SPAN	SPACING, UNO	HANGER (TYP., UNO)
CJ2X8	2X8 DF#2	12'-6"	@ 16" OC	LUS

-FOR DBL OR TRIPLE JOISTS, CONNECT PER TYP. DETAIL

-PROVIDE WALL-LENGTH, CONTINUOUS, FULL-DEPTH, SOLID BLOCKING (WHERE FLOOR JOISTS ARE PERPENDICULAR) OR DOUBLE FLOOR JOIST (WHERE FLOOR JOISTS ARE PARALLEL) FOR ALL WALLS AT LEVEL ABOVE

SEE S2.3B FOR CEILING FRAMING PLAN



1 ROOF FRAMING PLAN

1/8" = 1'-0"

0 2' 5' 10' 20' 30'

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ROOF FRAMING PLAN

NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

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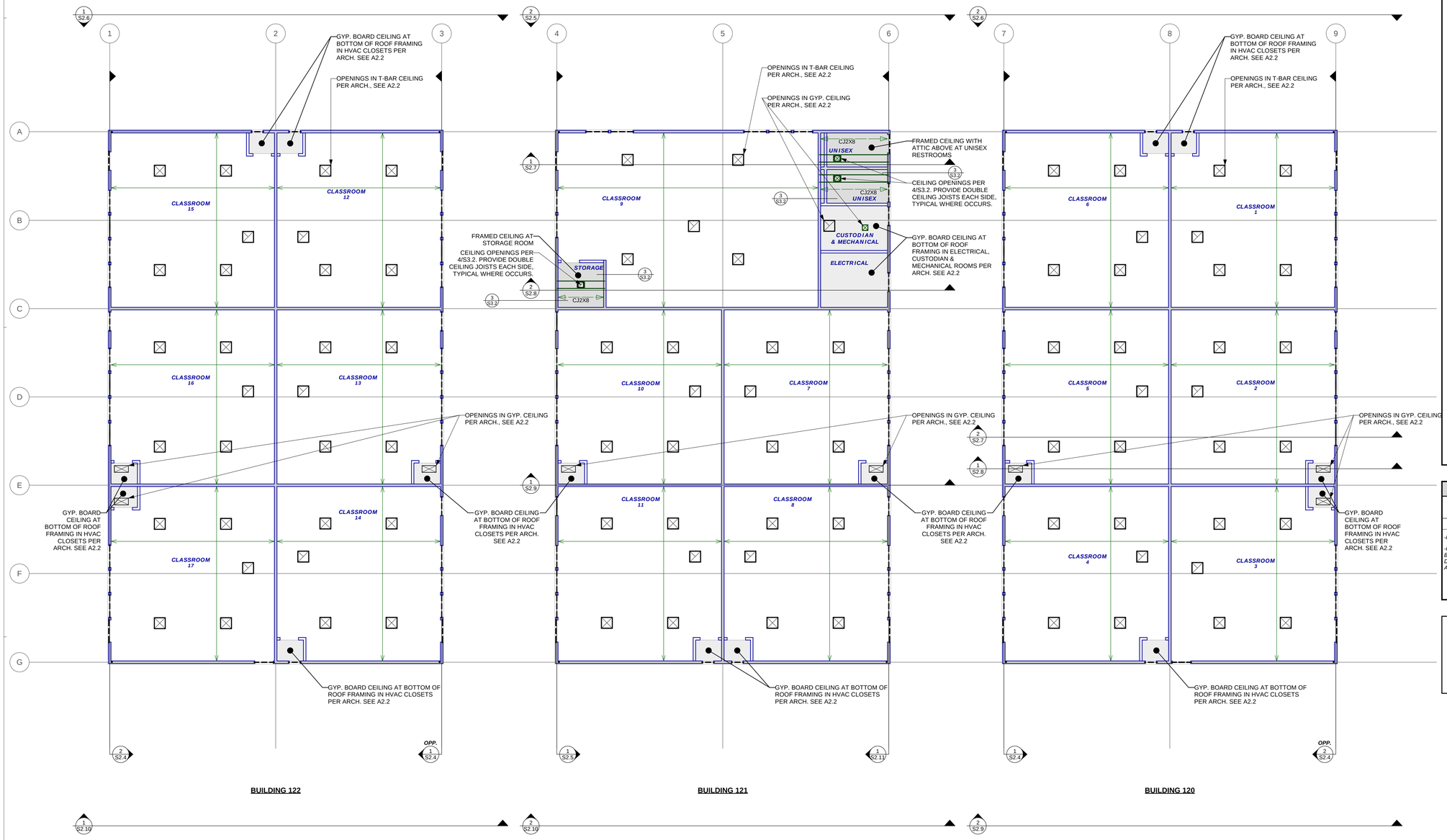
S2.3



1 CEILING FRAMING PLAN

1/8" = 1'-0"

0 2' 5' 10' 20' 30'

FRAMING NOTES

SYMBOL KEY:

= T-BAR CEILING PER ARCH.

= CELING JOISTS PER PLAN

= WALL STUDS BELOW PER S3.2

= NON-BEARING (PARTITION) WALL STUDS BELOW PER S3.2

= OPENINGS IN DIAPHRAGM

NOTES:

SEE GENERAL NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND MATERIAL SPECIFICATIONS

SEE S1 SERIES SHEETS FOR TYPICAL DETAILS, TYPICAL DETAILS APPLY THROUGHOUT THIS PLAN UNO

ALL DIMENSIONS PER ARCHITECTURAL PLANS, CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION

PROVIDE WALL-LENGTH, CONTINUOUS, FULL-DEPTH, SOLID BLOCKING (WHERE FLOOR JOISTS ARE PERPENDICULAR) OR DOUBLE FLOOR JOIST (WHERE FLOOR JOISTS ARE PARALLEL), FOR ALL WALLS AT LEVEL ABOVE

FRAMED WALLS SHALL HAVE CONTINUOUS DOUBLE TOP PLATES, SPLICE AS REQUIRED PER TYPICAL DETAILS

BEAMS SHALL BEAR ON PLATES WITH INDICATED POST OR DOUBLE STUD BELOW, UNO

CEILING JOIST SCHEDULE

MARK	JOIST SIZE AND TYPE	MAX. SPAN	SPACING, UNO	HANGER (TYP., UNO)
CJ2X8	2X8 DF#2	12'-6"	@ 16" OC	LUS

-FOR DBL OR TRIPLE JOISTS, CONNECT PER TYP. DETAIL

-PROVIDE WALL-LENGTH, CONTINUOUS, FULL-DEPTH, SOLID BLOCKING (WHERE FLOOR JOISTS ARE PERPENDICULAR) OR DOUBLE FLOOR JOIST (WHERE FLOOR JOISTS ARE PARALLEL) FOR ALL WALLS AT LEVEL ABOVE

SEE S2.3 FOR ADDITIONAL INFO & REQUIREMENTS

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CEILING FRAMING PLAN

NEW CLASSROOM BUILDINGS AT
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S2.3B

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SYMBOL KEY

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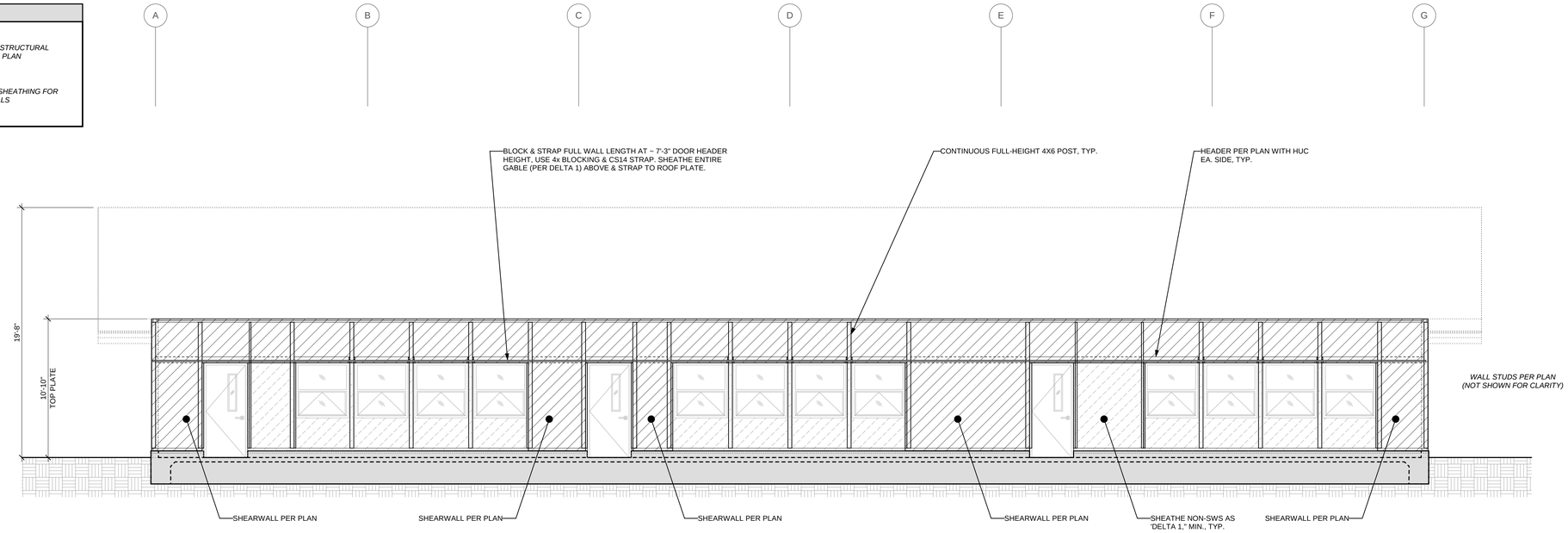
= *'DELTA 1' (MIN.) SHEATHING FOR NON-SHEARWALLS*



BUILDING 120
BUILDING 122, OPPOSITE

STRUCTURAL ELEVATION AT GRID LINE 7 (3, OPP.) 1

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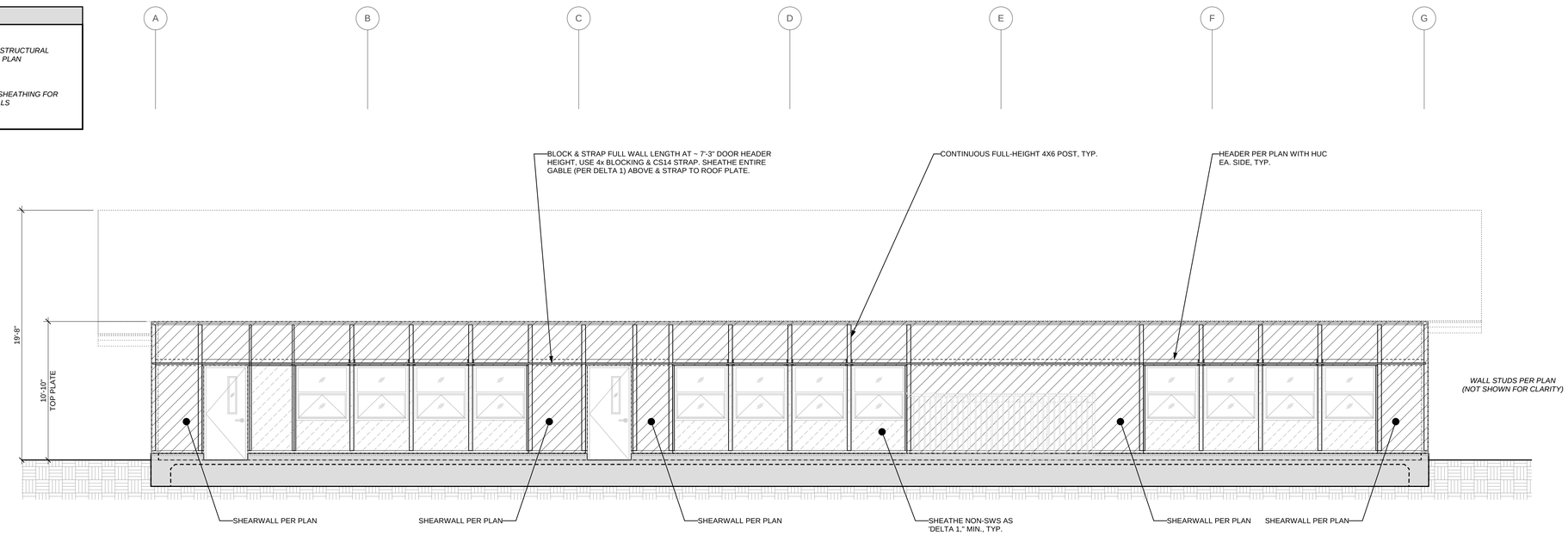

BUILDING 122
BUILDING 120, OPPOSITE

STRUCTURAL ELEVATION AT AT GRID LINE 1 (9 OPP.) 2

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STRUCTURAL ELEVATIONS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

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S2.4

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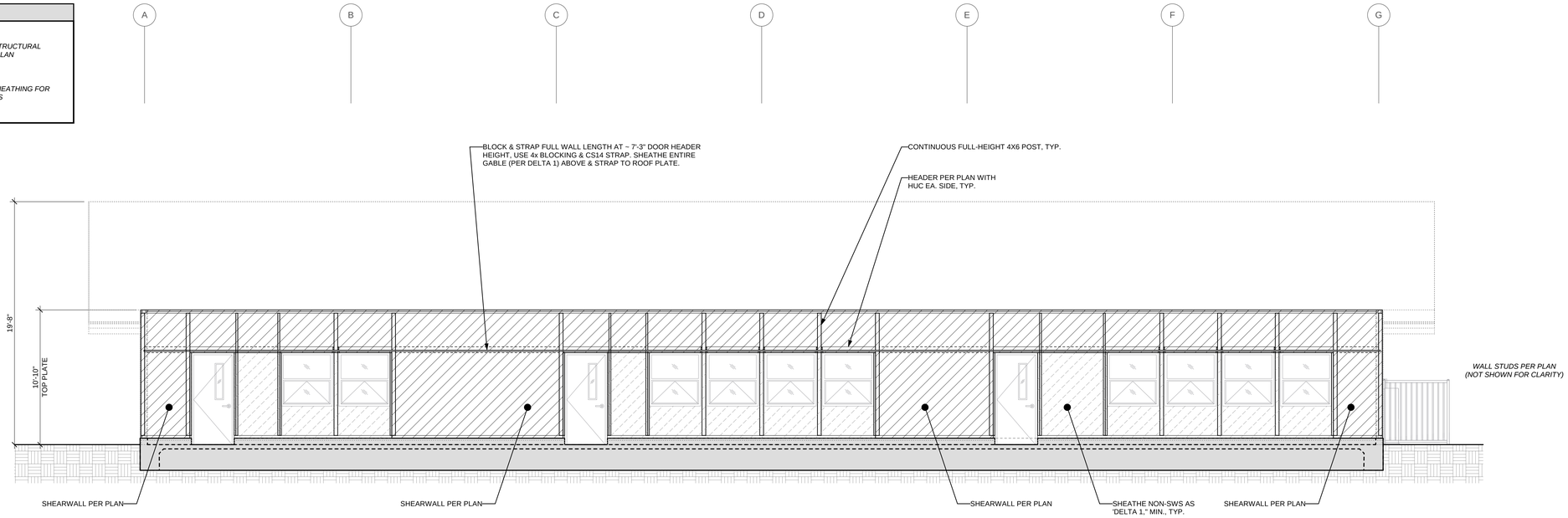

BUILDING 121

STRUCTURAL ELEVATION AT GRID LINE 4 (1)

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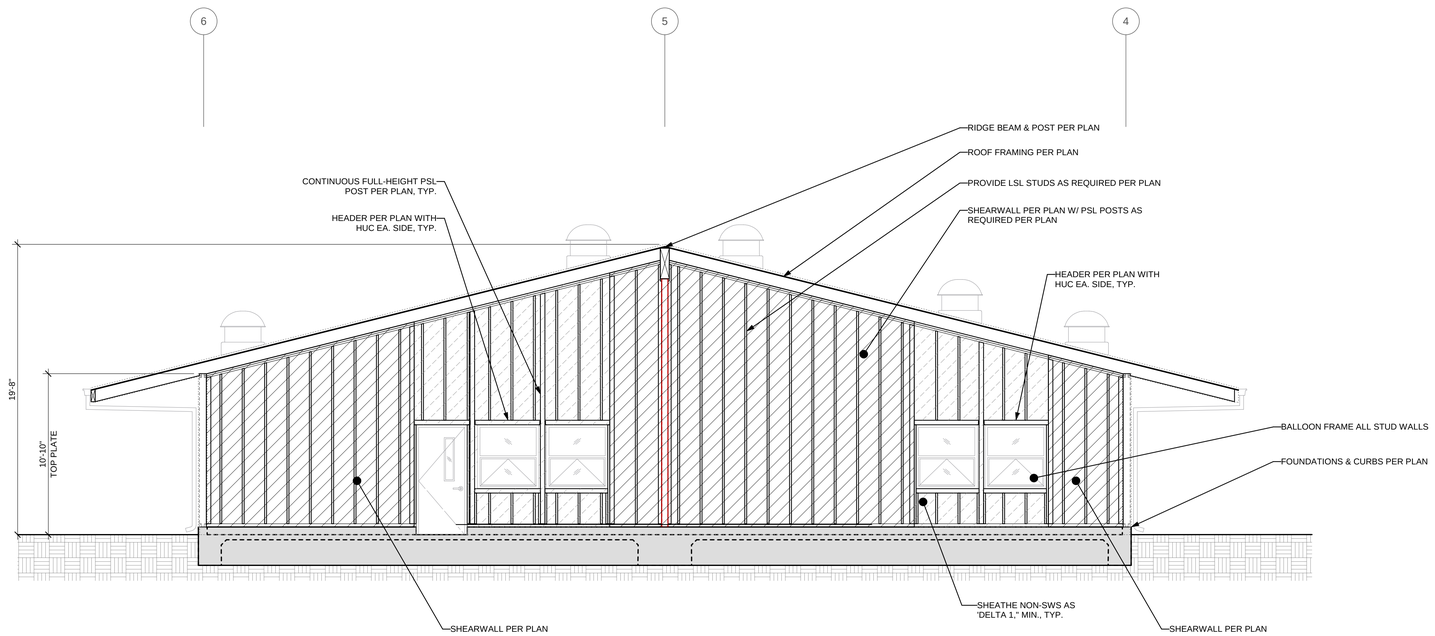

BUILDING 121

STRUCTURAL ELEVATION AT GRID LINE A (GABLE END) (2)

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STRUCTURAL ELEVATIONS

NEW CLASSROOM BUILDINGS AT
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LUCIA MAR UNIFIED SCHOOL DISTRICT

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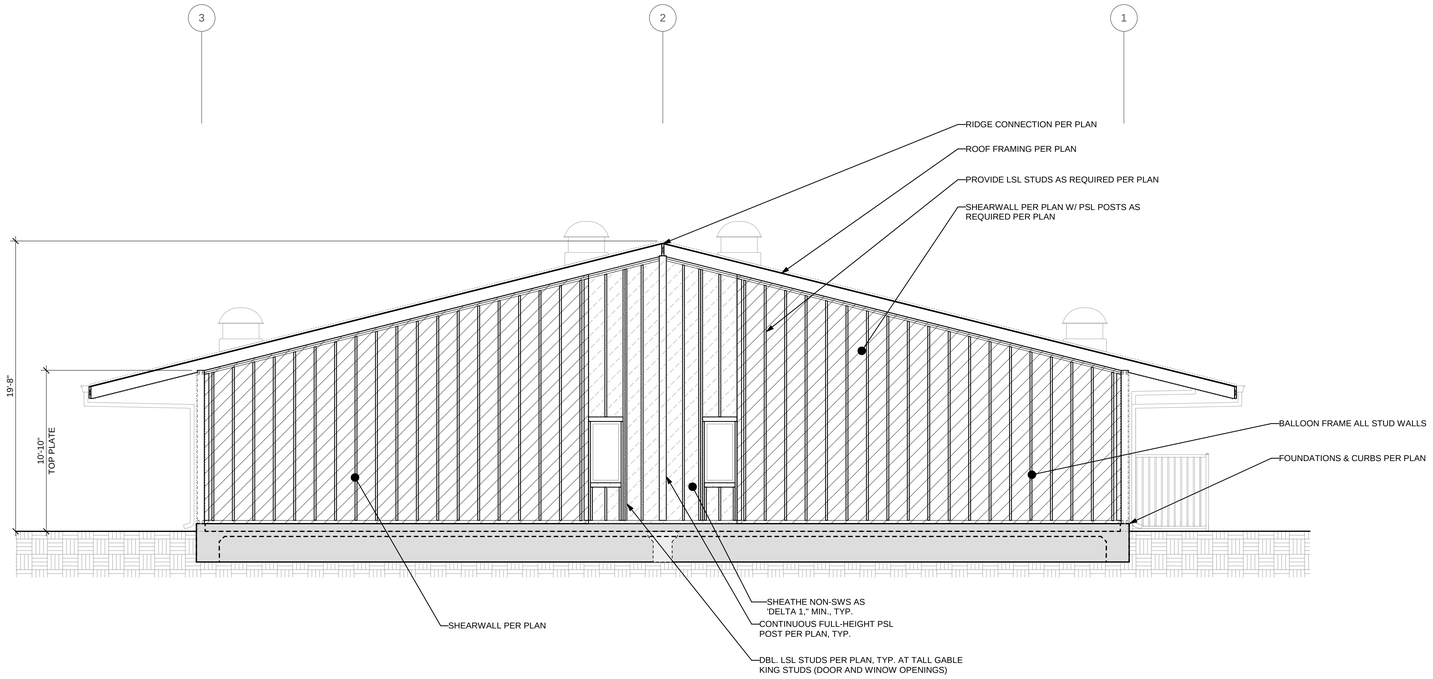

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STRUCTURAL ELEVATION AT GRID LINE A (GABLE END) 1

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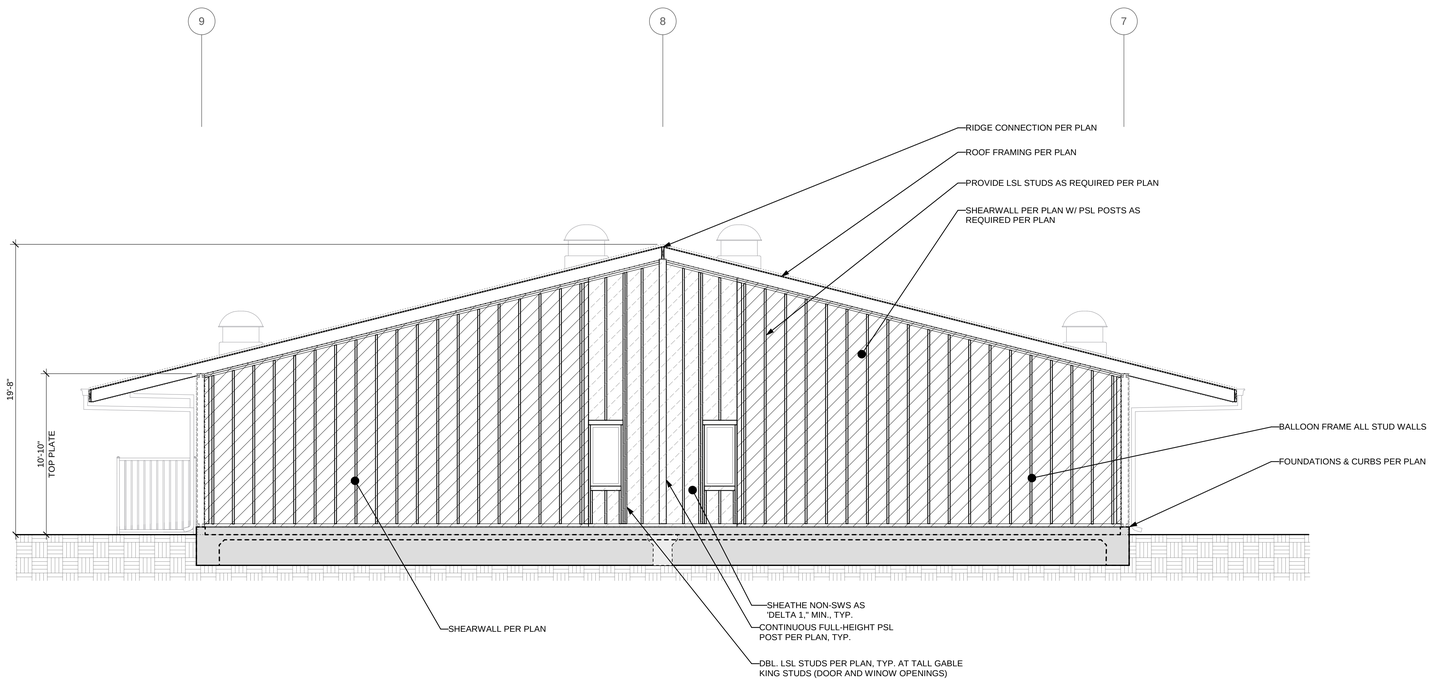

BUILDING 120

STRUCTURAL ELEVATION AT GRID LINE A (GABLE END) 2

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STRUCTURAL ELEVATIONS

NEW CLASSROOM BUILDINGS AT
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525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

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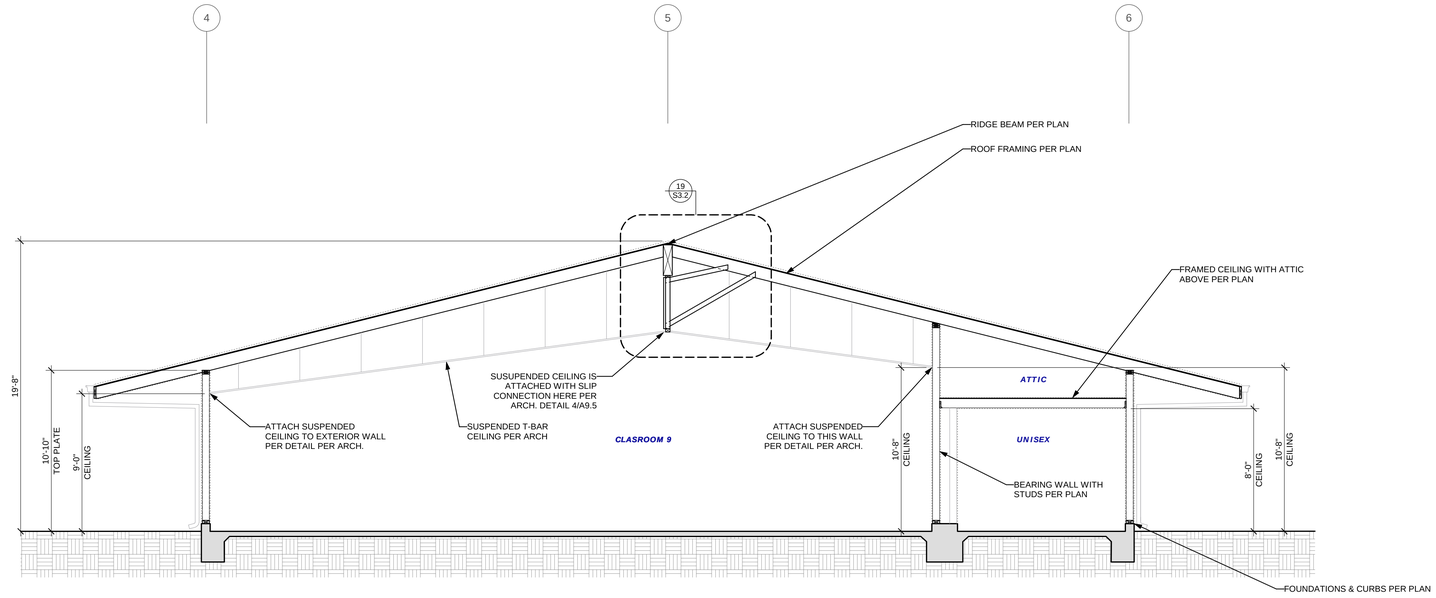

BUILDING 121

STRUCTURAL SECTION AT CLASSROOM 9 BATHROOMS & CUSTODIAL (TYP. HARD LID CEILING) 1

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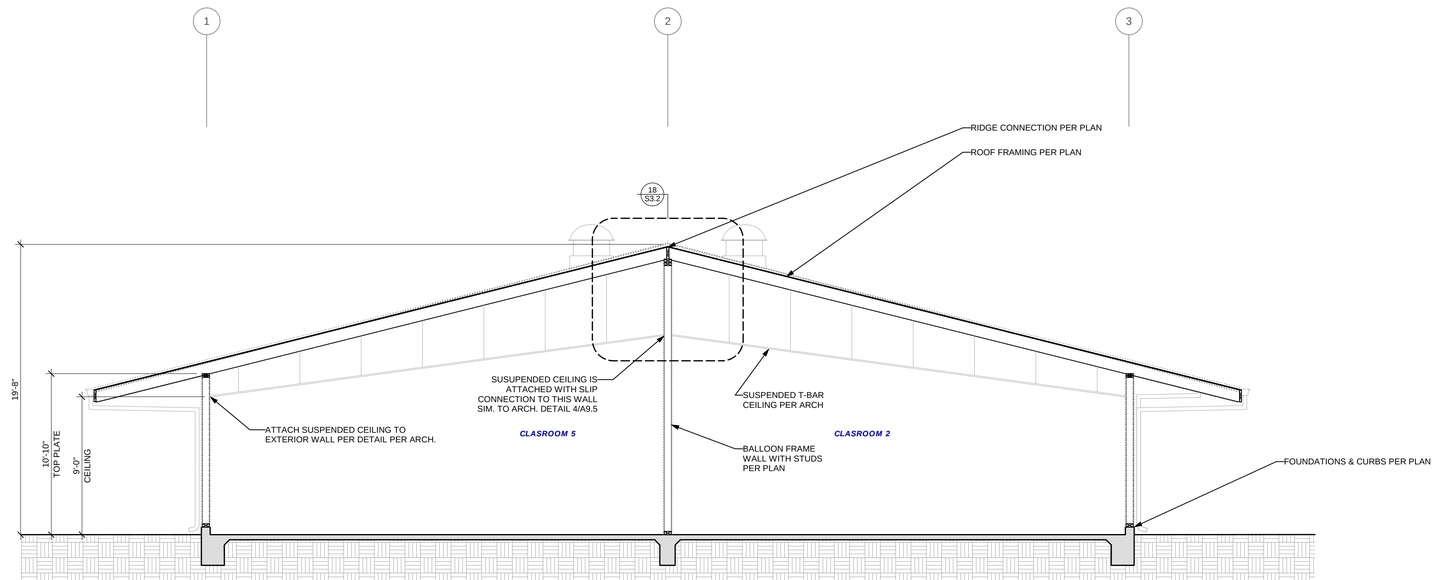

BUILDING 120

STRUCTURAL SECTION AT CLASSROOMS 5 & 2 (TYP. SLOPED T-BAR CEILING) 2

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NEW CLASSROOM BUILDINGS AT
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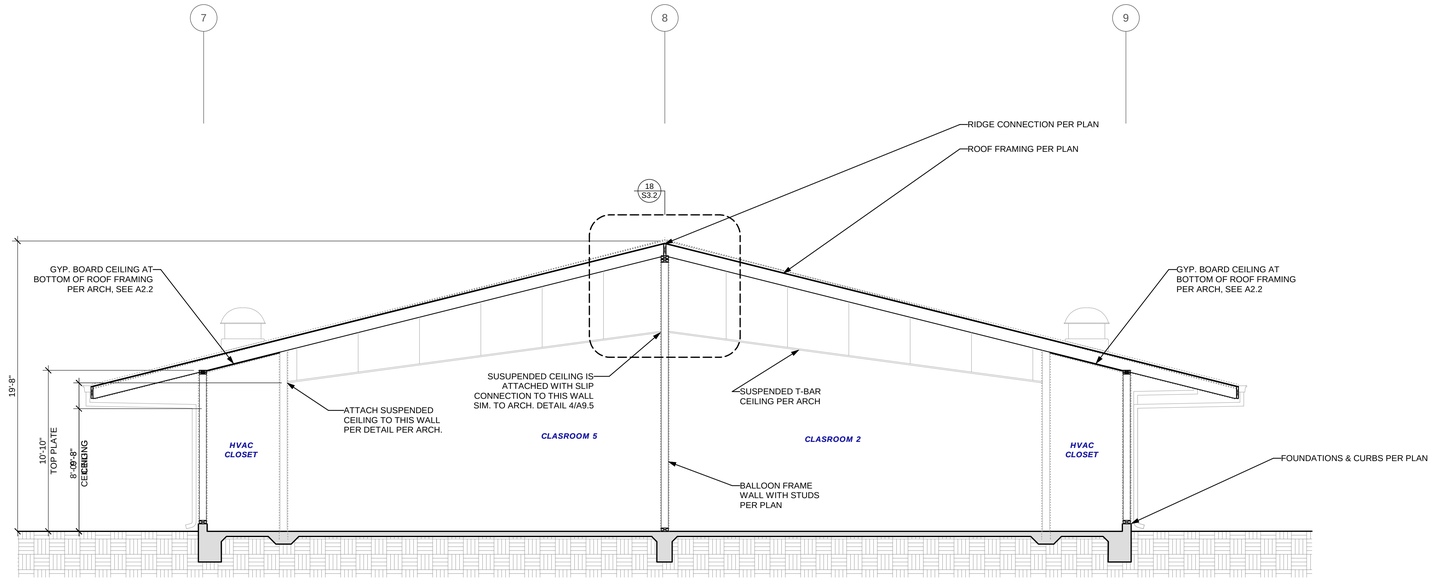

BUILDING 120

STRUCTURAL SECTION AT CLASSROOMS 5 & 2 HVAC CLOSET (TYP. SLOPED T-BAR CEILING) 1

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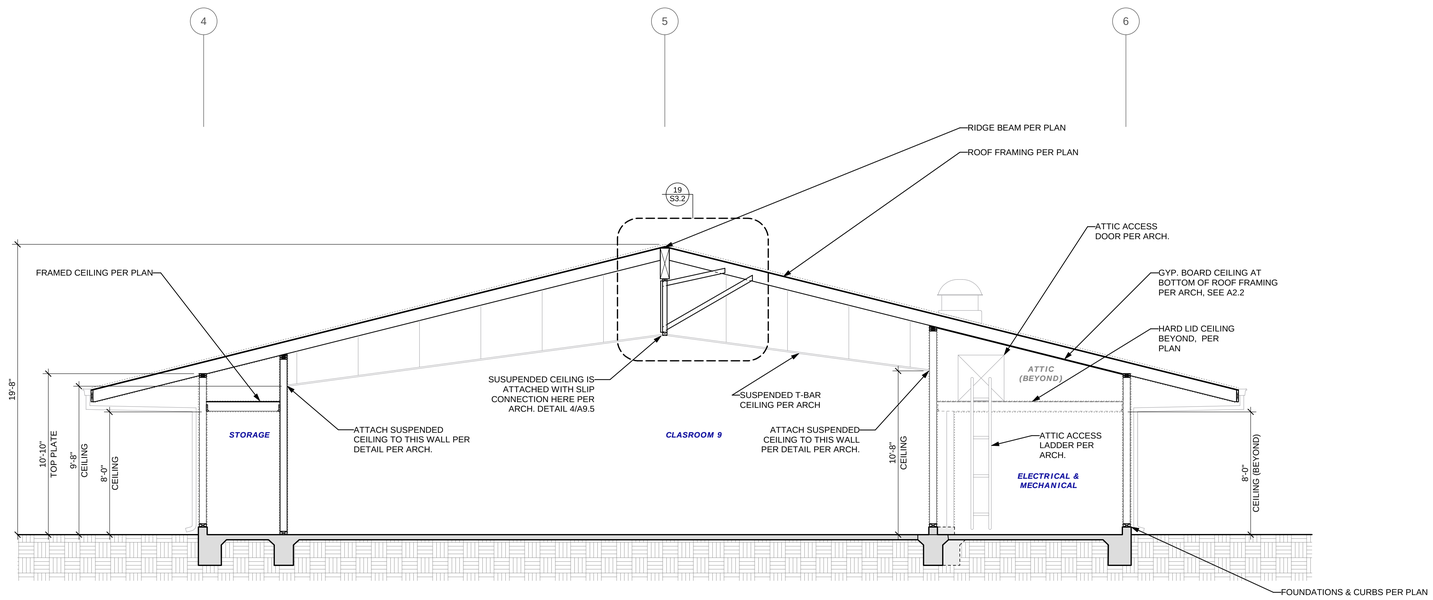

BUILDING 121

STRUCTURAL SECTION AT CLASSROOM 9 ELECTRICAL 2

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S2.8

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SYMBOL KEY

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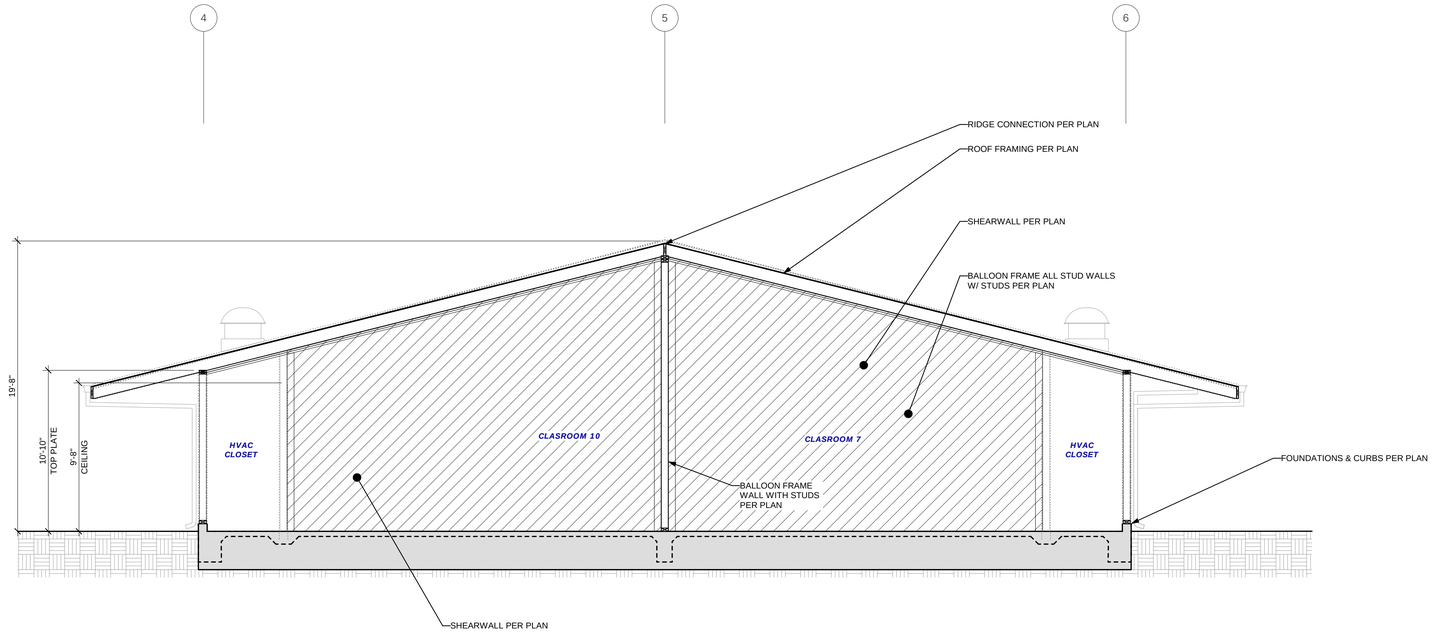
= 'DELTA 1' (MIN.) SHEATHING FOR NON-SHEARWALLS



BUILDING 121

STRUCTURAL SECTION AT GRID LINE E (TYP. BALLOON FRAMED INTERIOR WALL) 1

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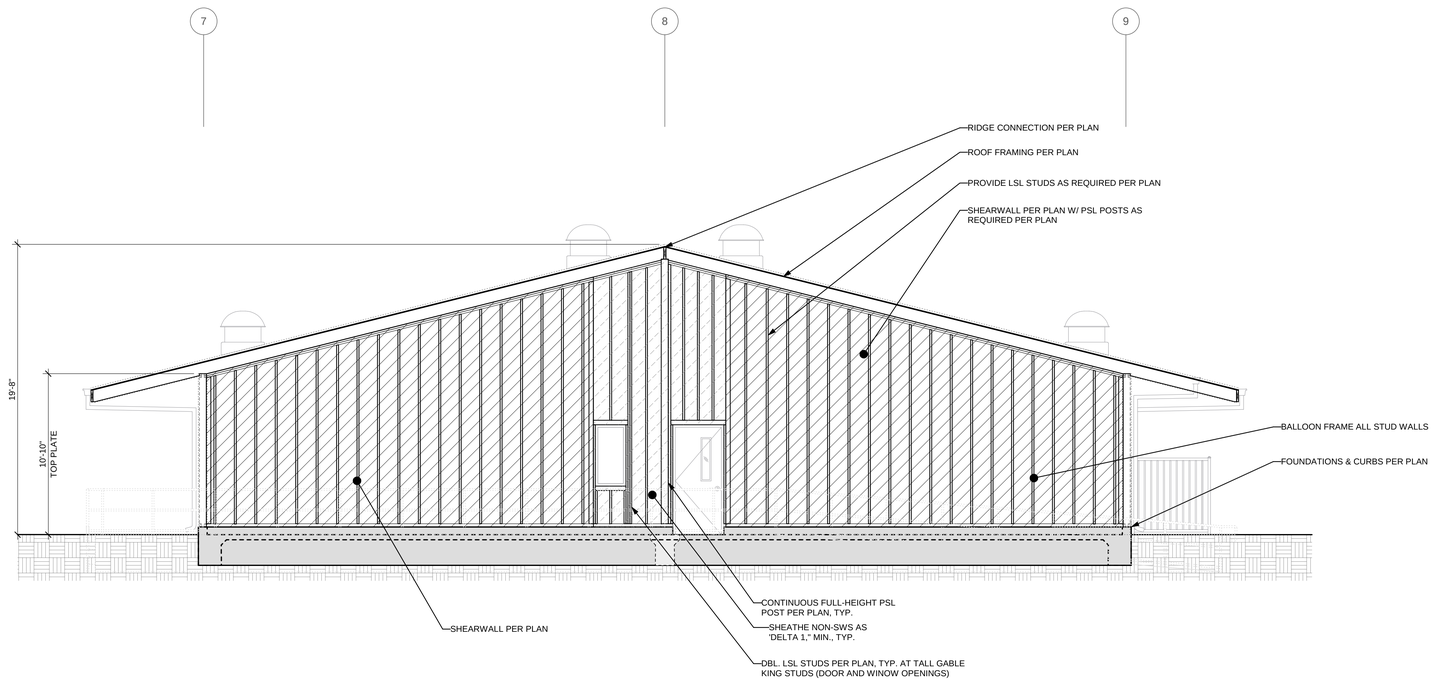

BUILDING 120

STRUCTURAL ELEVATION AT GRID LINE G (GABLE END) 2

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STRUCTURAL ELEVATIONS

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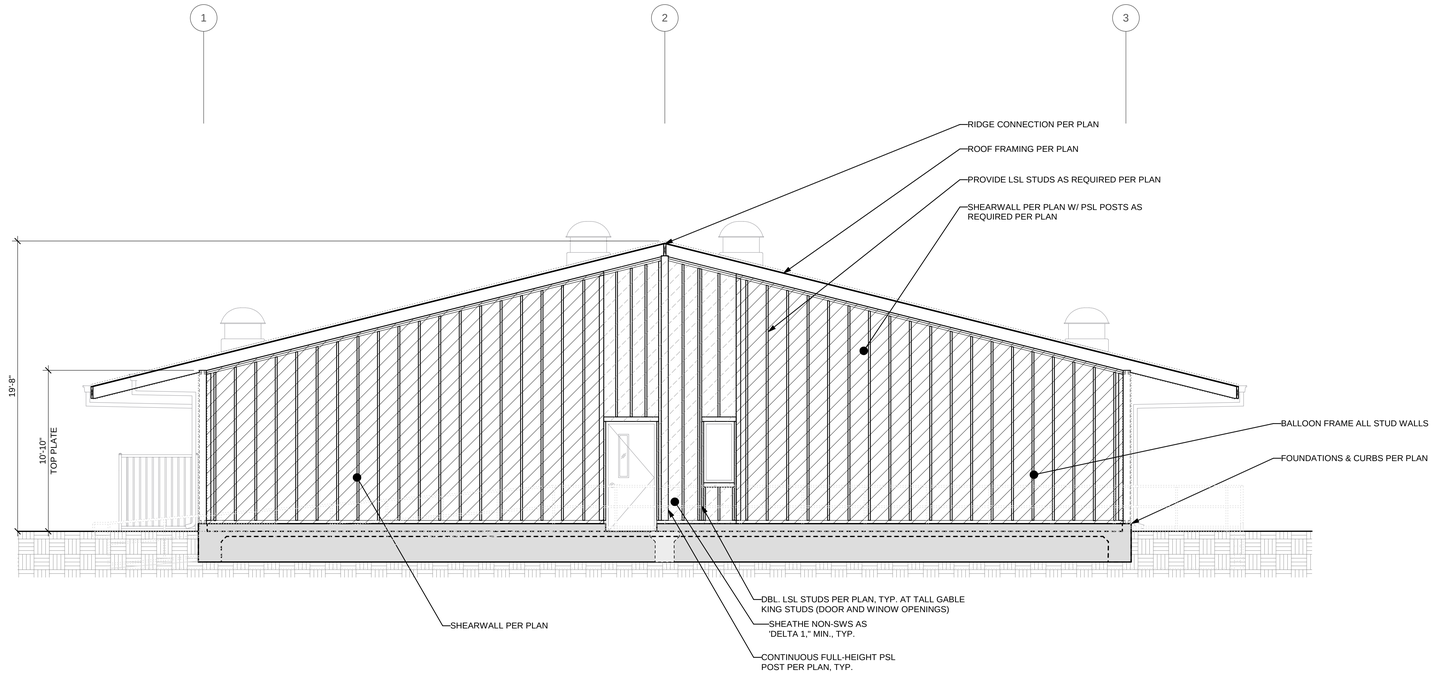

BUILDING 122

STRUCTURAL ELEVATION AT GRID LINE G (GABLE END) 1

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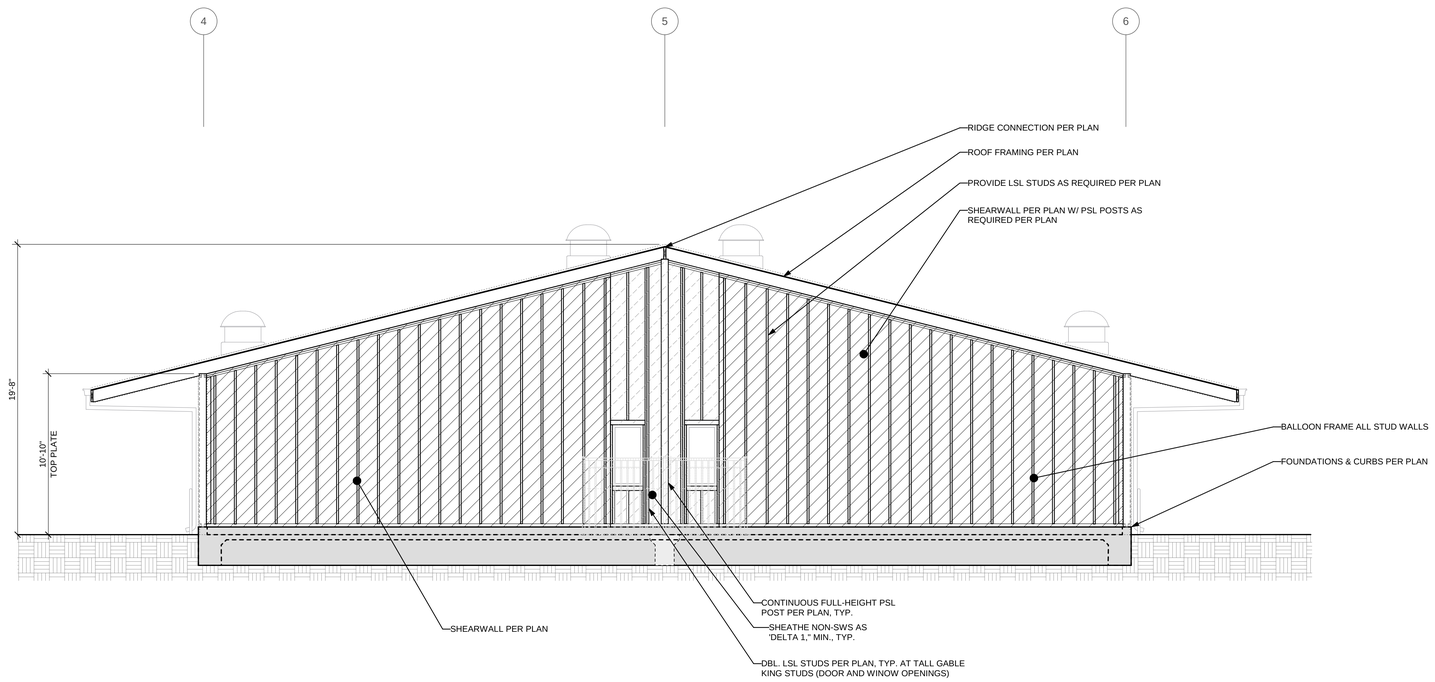
= *SHEATHING FOR STRUCTURAL SHEARWALL PER PLAN*

= *'DELTA 1' (MIN.) SHEATHING FOR NON-SHEARWALLS*



BUILDING 121

STRUCTURAL ELEVATION AT GRID LINE G (GABLE END) 2

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

REGISTERED PROFESSIONAL ENGINEER
BRIAN T. DEAN
S 6087
STRUCTURAL
STATE OF CALIFORNIA
S&S 04/16/26

PRINCIPAL

800.579.3881
www.tsstructural.com

T&S STRUCTURAL
SAN LUIS OBISPO
PASADENA
SANTA BARBARA
NORTHERN CALIFORNIA

HEADQUARTERS:
684 Clarion Court
San Luis Obispo, CA 93401

STRUCTURAL ELEVATIONS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY:	T&S NO:		AMB
CHECKED BY:	250285		BTD
PROJECT NO:		DATE:	
25042	DSA SUBMITTAL - 04/17/26		

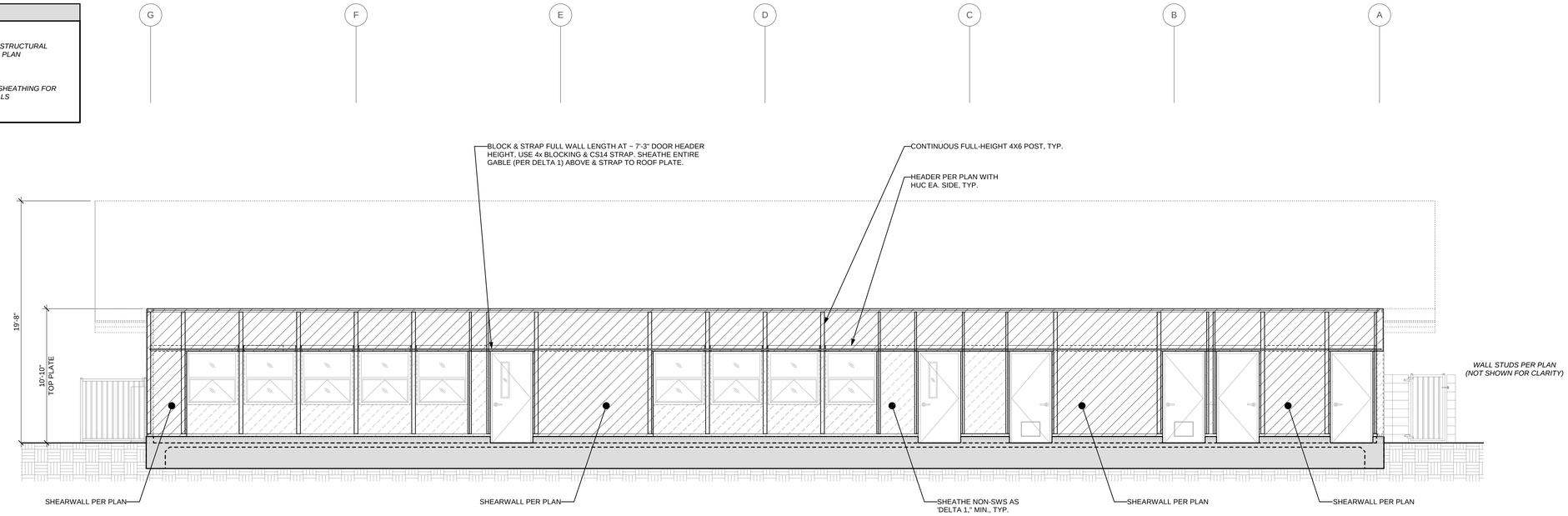
S2.10

NOTE: ALL DIMENSIONS PER ARCHITECTURAL PLANS, CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION

SYMBOL KEY

= *SHEATHING FOR STRUCTURAL SHEARWALL PER PLAN*

= *'DELTA 1' (MIN.) SHEATHING FOR NON-SHEARWALLS*



BUILDING 121

STRUCTURAL ELEVATION AT GRID LINE 6 (1)

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LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY: AMB
T&S NO: 250285
CHECKED BY: BTD
PROJECT NO: 25042
DATE: DSA SUBMITTAL - 04/17/26

S2.11

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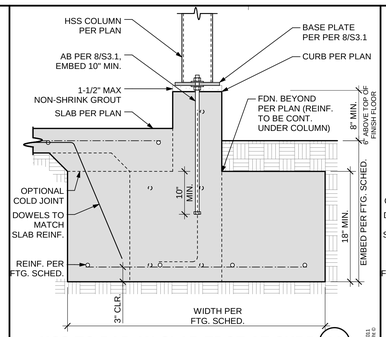
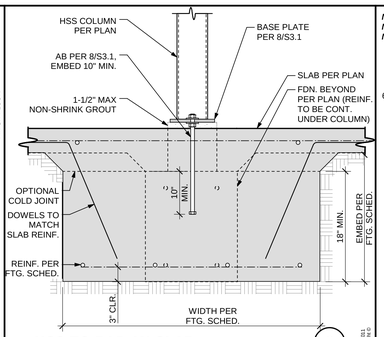
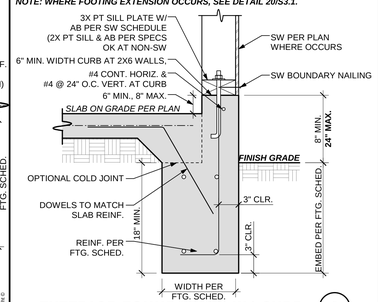


HSS TO PAD IN SLAB EDGE AT CURB 11



HSS TO PAD IN SLAB 6

NOTE: WHERE DEEPENED FOOTING IS REQUIRED, SEE DETAIL 10/S3.1
NOTE: SEE TYPICAL DETAIL 25/S1.1 FOR STEPPED FOOTING CONDITIONS
NOTE: WHERE FOOTING EXTENSION OCCURS, SEE DETAIL 20/S3.1.



EXTERIOR FOUNDATION W / CURB 1

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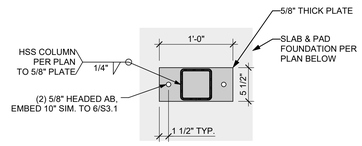
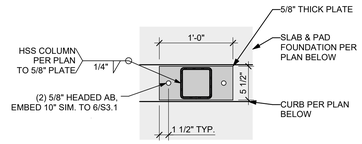
NOTE: 5/8" Ø ANCHOR BOLTS CAN BE SUBSTITUTED BY F1554 GR. 55 THREADED ROD WITH DOUBLE NUT TYPICAL AT BASE PLATE DETAILS

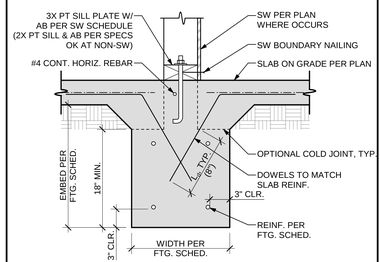


BASE PLATE NOT AT CURB



BASE PLATE AT 6" CURB

HSS COLUMN BASE PLATES 8



TYP. INTERIOR FOUNDATION 2

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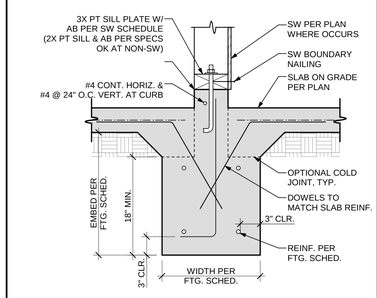

INTERIOR FOUNDATION W / CURB 3

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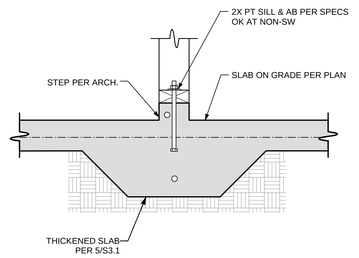
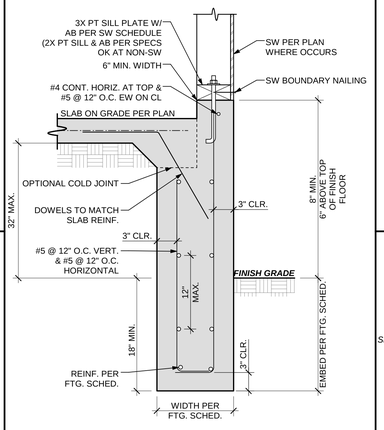
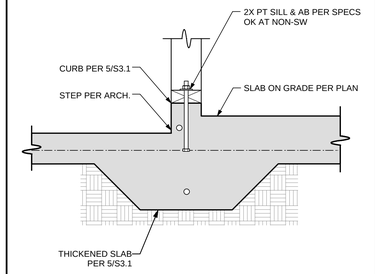


TYP. THICKENED SLAB W/STEP 14

NOTE: WHERE FOOTING EXTENSION OCCURS, SEE DETAIL 20/S3.1.



EXTERIOR DEEPENED FDN 10



TYP. THICKENED SLAB W/STEP 4

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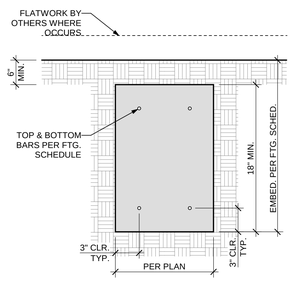
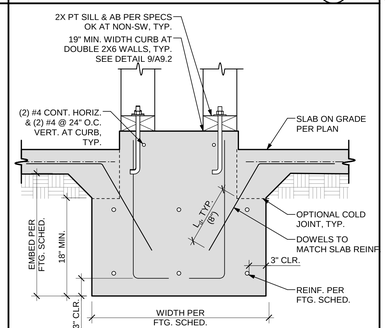
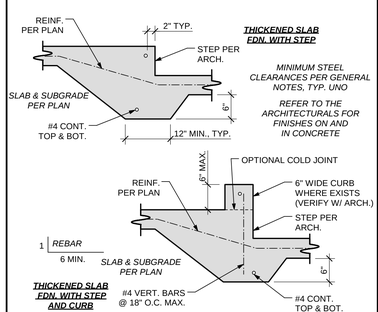


TYP. EXTENDED FOOTING 20



INT. FDN. W/ CURB AT DBL. WALL 15



THICKENED SLAB FDN. AT STEP 5

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TYP. EXTENDED FOOTING 20

INT. FDN. W/ CURB AT DBL. WALL 15

EXTERIOR DEEPENED FDN 10

THICKENED SLAB FDN. AT STEP 5

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LUCIA MAR UNIFIED SCHOOL DISTRICT

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CHECKED BY:	250285	BTD
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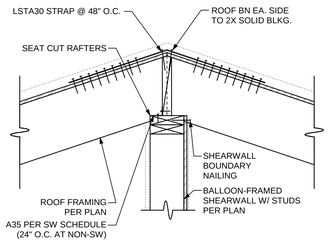
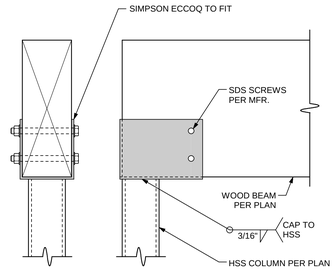
25042	DSA SUBMITTAL - 04/17/26	

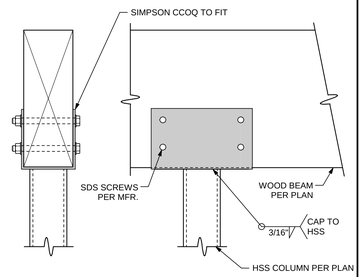
S3.1



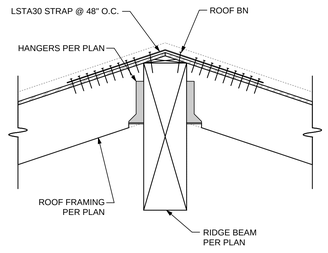
INT. SHEAR TRANSFER TO ROOF 26



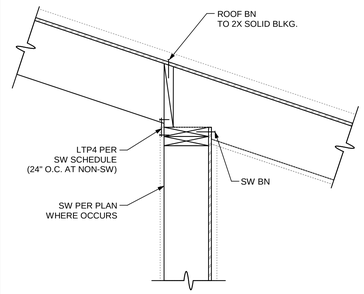
WOOD BEAM TO HSS COL. (EDGE) 21



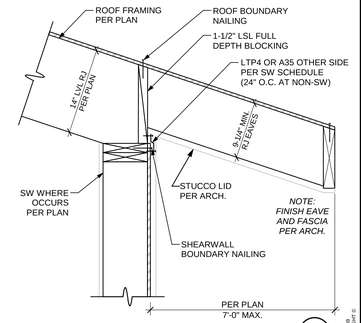
WOOD BEAM TO HSS COLUMN 16



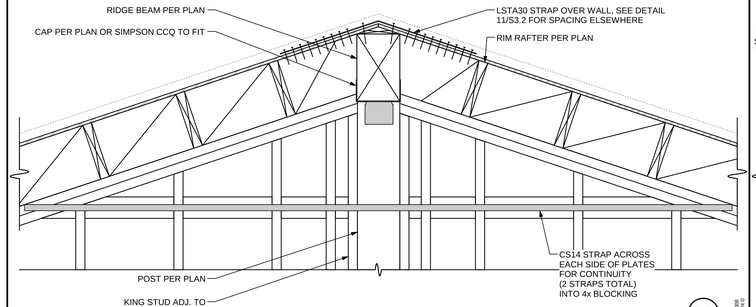
RAFTERS TO FLUSH RIDGE BEAM 11



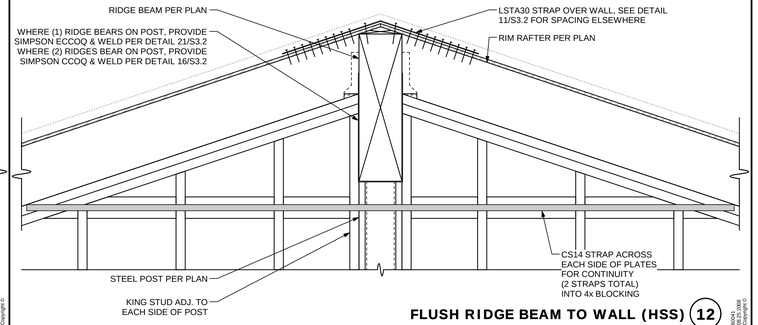
SHEAR TRANSFER TO ROOF 6



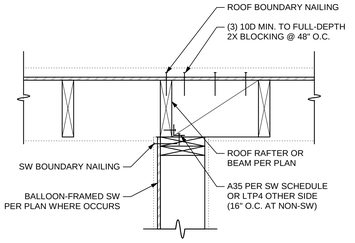
ROOF SHEAR TRANSFER 1



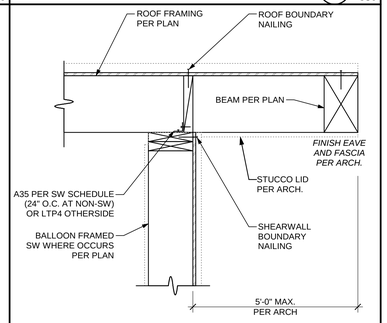
FLUSH RIDGE BEAM TO WALL 22



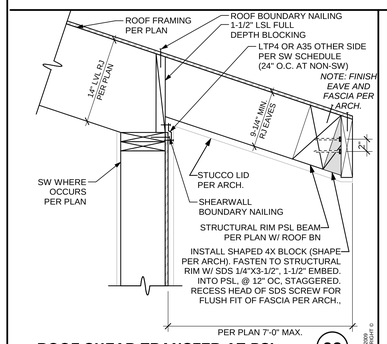
FLUSH RIDGE BEAM TO WALL (HSS) 12



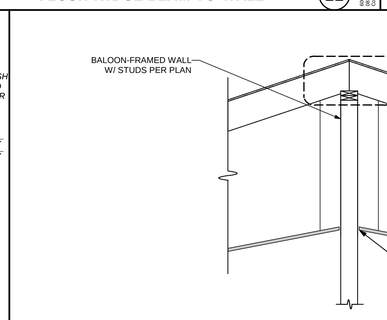
SHEAR TRANSFER TO RAFTERS 7



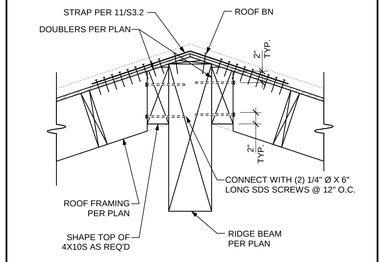
SHEAR TRANSFER AT GABLE END 2



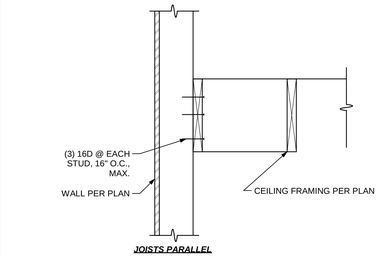
ROOF SHEAR TRANSFER AT PSL 28



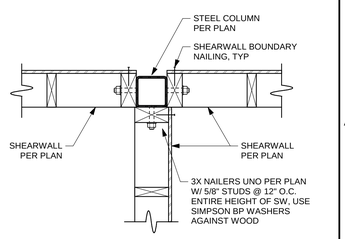
SUSPENDED CEILING BRACING (A) 18



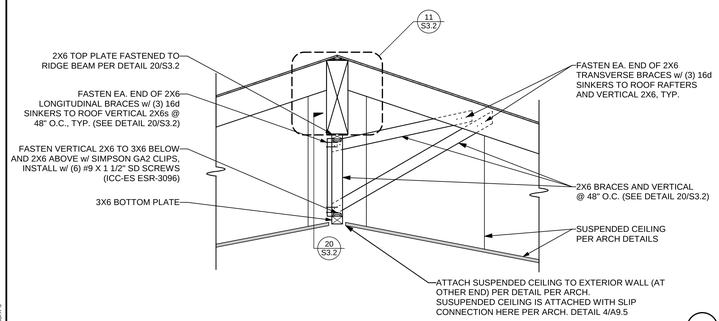
SISTERED RIDGE BEAM 13



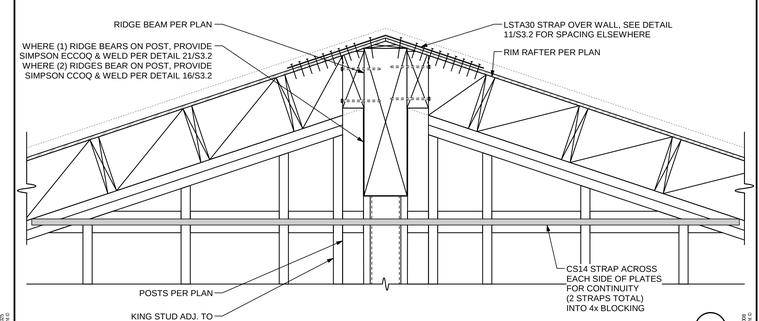
CEILING FRAMING TO WALL 3



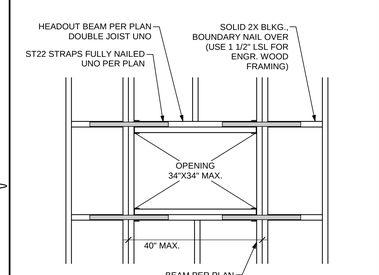
(3) SHEARWALLS TO STEEL COL. 29



SUSPENDED CEILING BRACING (B) 19



FLUSH RIDGE BEAM TO WALL (HSS) 9



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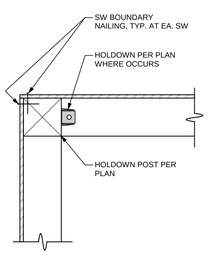
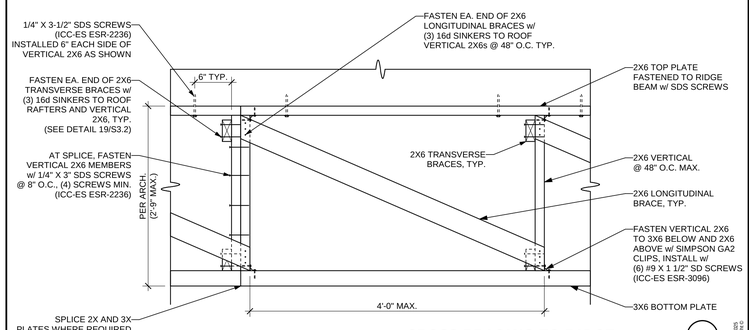
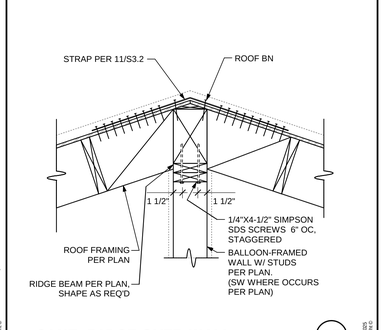


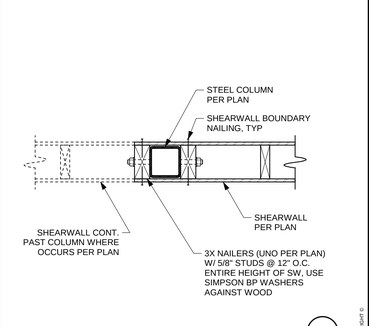
SHEARWALL INTERSECTIONS 30



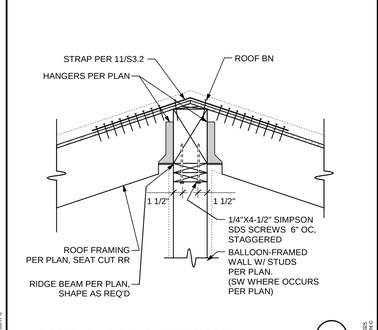
CROSS BRACING TO RIDGE 20



CANT. RIDGE OVER WALL 15



SHEARWALL TO STEEL COLUMN 10



CANT. RIDGE OVER WALL 5

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S3.2

SYMBOL LEGEND

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
		LONG SWEEP 90° ELBOW - RECTANGULAR, ROUND OR OVAL
		45° ELBOW - RECTANGULAR, ROUND OR OVAL
		30° ELBOW - RECTANGULAR, ROUND OR OVAL
		90° ELBOW - RECTANGULAR DUCT WITH TURNING VANES
		45° LATERAL - ROUND TO ROUND OR OVAL TO OVAL
		90° TAKEOFF WITH 45° TAPER - RECTANGULAR TO RECTANGULAR (FOR BRANCH TAKEOFF LONGER THAN 50'-0", USE 15)
		90° TAKEOFF WITH 45° ELONGATED TEE - ROUND TO ROUND
		Y BRANCH - ROUND OR OVAL DUCT
		90° RADIUS SPLIT - RECTANGULAR DUCT, PROVIDE SPLITTER DAMPER, X/Y PROPORTIONAL SPLIT
		90° RECTANGULAR SPLIT - RECTANGULAR DUCT, PROVIDE SPLITTER DAMPER, X/Y PROPORTIONAL SPLIT
		TRANSITION - RECTANGULAR TO ROUND OR RECTANGULAR TO OVAL
		FLEXIBLE DUCT - ROUND
		FLEXIBLE DUCT - RECTANGULAR

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
		SECTION AT SUPPLY AIR OR MAKE-UP AIR DUCT UP
		SECTION AT RETURN AIR OR COMBUSTION AIR DUCT UP
		SECTION AT EXHAUST AIR OR RELIEF AIR DUCT UP
		SUPPLY AIR DUCT DOWN
		RETURN AIR DUCT DOWN
		EXHAUST AIR DUCT DOWN
		ROUND DUCT UP - SUPPLY, RETURN OR EXHAUST
		ROUND DUCT DOWN - SUPPLY, RETURN OR EXHAUST
		CEILING DIFFUSER - ONE, TWO, THREE AND FOUR WAY THROW
		CEILING - RETURN AND EXHAUST REGISTERS
		SIDEWALL - SUPPLY DIFFUSER, RETURN AND EXHAUST REGISTERS
		MANUAL BALANCE DAMPER WITH DUCT ACCESS DOOR
M	M	MOTORIZED BALANCE DAMPER WITH DUCT ACCESS DOOR
FSD OR F/D	FSD OR F/D	FIRE DAMPER WITH DUCT ACCESS DOOR FIRE/SMOKE DAMPER WITH DUCT ACCESS DOOR
24 x 12	24 x 12	ACOUSTICALLY LINED DUCT. DIMENSIONS ARE INSIDE
	12x12 CD-1 300	REGISTER NECK SIZE AND TAG; DESIGN CFM
		PANEL AT T-BAR CEILING

SYMBOL	ABBRV.	IDENTIFICATION
CW	CW	COLD WATER (DOMESTIC)
HW	HW	HOT WATER
HWR	HWR	HOT WATER RETURN
V	V	VENT
TP	TP	TRAP PRIMER LINE
W	S OR W	SOIL OR WASTE ABOVE GRADE
W	S OR W	SOIL OR WASTE BELOW GRADE
AW	AW	ACID WASTE
GW	GW	GREASE WASTE
RWL	RWL	RAIN WATER LEADER
OD	OD	OVERFLOW DRAIN
CD	CD	CONDENSATE DRAIN
E	CAP	CAP
CONT	CONT	CONTINUATION
		BALL VALVE
OR		VALVE
CKV	CKV	CHECK VALVE
T&PRV		TEMP. & PRESS. RELIEF VALVE
GPR		GAS PRESSURE REGULATOR
		CIRCULATION PUMP (DOMESTIC)
WHA		WATER HAMMER ARRESTOR
TP		TRAP PRIMER ACCESS PANEL
GCO/FCO		GRADE CLEAN-OUT/FLOOR CLEAN-OUT
WCO		WALL CLEAN-OUT
HB		HOSE BIBB
		UNION
AN		PIPE ANCHOR
		FLEXIBLE CONNECTOR

SYMBOL	ABBRV.	IDENTIFICATION
P.O.C.		POINT OF CONNECTION
		REMOVE EXISTING
		LINE BREAK
		TEE DOWN
		90 DOWN
		RISER
		CONCENTRIC & ECCENTRIC REDUCERS
	AD, AP	ACCESS DOOR, ACCESS PANEL
	MAV	MANUAL AIR VENT
T	T	THERMOSTAT MOUNTED @ 48" AFF. MAX.
CO2	CO2	CARBON DIOXIDE (CO2) SENSOR
$		SWITCH
	AD	AREA DRAIN
	FD	FLOOR DRAIN
	FS	FLOOR SINK
OR	VB	VALVE IN BOX
	TH	THERMOMETER
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
FC / A-1		EQUIPMENT DESIGNATION; TAG NUMBER
1 / MP2.1		SECTION 1 / SHEET MP2.1

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP[X] MD[X] PP[X] E[ ] - OPTION 1: IR 16-13 SECTION 2.1: PROJECT-SPECIFIC DESIGN.
SHEET NUMBERS: MP6.1, MP6.2

MP[ ] MD[ ] PP[ ] E[ ] - OPTION 2: IR 16-13 SECTION 2.2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.
OPM NUMBERS:
SHEET NUMBERS:

MP[ ] MD[ ] PP[ ] E[ ] - OPTION 3: IR 16-13 SECTION 2.2.6: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

CALIFORNIA GREEN BUILDING STANDARDS CODE

CALIFORNIA GREEN BUILDING STANDARDS CODE: HVAC SYSTEMS SHALL BE IN ACCORDANCE WITH THE SECTION OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE LISTED BELOW:

5.505 - INDOOR AIR QUALITY
SECTION 5.505.1 OUTSIDE AIR DELIVERY - MECHANICAL VENTILATED SPACES IN BUILDINGS SHALL MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 (REQUIREMENTS FOR VENTILATION) OF THE CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.
SECTION 5.506.3 CARBON DIOXIDE (CO2) MONITORING IN CLASSROOMS. EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS:
1. THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET ABOVE THE FLOOR AND AT LEAST 5 FEET AWAY FROM DOORS AND OPERABLE WINDOWS.
2. WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL.
3. A MONITOR SHALL PROVIDE NOTIFICATION THROUGH VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM.
4. THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION.
5. THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER.
6. THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.

5.508 - OUTDOOR AIR QUALITY
SECTION 5.508.1 - OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS - HVAC REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.
SECTION 5.508.1.1 CHLOROFLUOROCARBONS (CFCS) - HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFCS.
SECTION 5.508.1.2 HALONS - HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN HALONS.

ABBREVIATIONS

&	AND
°F	DEGREES FAHRENHEIT
AAV	AUTOMATIC AIR VENT
AC	AIR CONDITIONER
AD	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AL	ACOUSTICALLY LINED
AMP	AMPERE
AN	PIPE ANCHOR
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AW	ACID WASTE
BDD	BACK DRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
BTWN	BETWEEN
CA	COMBUSTION AIR
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CIRC	CIRCULATING
℄	CENTERLINE
CLG	COOLING, CEILING
CLR	CLEAR
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUED, CONTINUATION
COOL	COOLING
COP	COEFFICIENT OF PERFORMANCE
CW	COLD WATER
DL	DOOR LOUVER
DB	DRY BULB
DCV	DOUBLE CHECK VALVE
DF	DRINKING FOUNTAIN
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DWGS	DRAWINGS
(E)	EXISTING
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRICAL
ELEV	ELEVATION
ENT	ENTERING
EQ	EQUAL
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EW	ENTERING WATER
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERIOR
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FEET
FT HD	FEET HEAD
FTR	FLUE THRU ROOF
G	GAS - LOW PRESSURE
GA	GAUGE
GAL	GALLON
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GW	GREASE WASTE PIPING
HP	HORSEPOWER
HR	HOUR
HTG	HEATING
HW	HOT WATER
HWR	HOT WATER RETURN
HZ	HERTZ
IE	INVERT ELEVATION
IN	INCH
INV	INVERT
KW	KILOWATTS
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LVR	LOUVER
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAD, MD	MANUAL AIR DAMPER
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MCP	MECHANICAL CONTROL PANEL
MECH	MECHANICAL
MFR	MANUFACTURER
MPG	GAS - MEDIUM PRESSURE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
P/T	PRESSURE/TEMPERATURE
PD	PRESSURE DROP
PH	PHASE
PLF	POUNDS PER LINEAR FOOT
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
QTY	QUANTITY
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RM	ROOM
RP	REDUCED PRESSURE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RV	RELIEF VALVE
SA	SUPPLY AIR
SC	SENSIBLE COOLING
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SM	SHEET METAL
SOV	SHUT-OFF VALVE
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE
SQFT, FT²	SQUARE FEET
SQIN, IN²	SQUARE INCHES
STRUCT	STRUCTURAL
T	THERMOSTAT, "X" INDICATES DEVICE CONTROLLED. 48" AFF (TO TOP OF STAT)
TC	TOTAL COOLING
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TH	THERMOMETER
THRU	THROUGH
TP	TRAP PRIMER
TSP	TOTAL STATIC PRESSURE
TV	TURNING VANES
TW	TEMPERED WATER
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLT OR VENT
VB	VALVE IN VALVE BOX
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	WATTS OR WASTE
W/	WITH
WB	WET BULB
WC	WATER COLUMN
WH	WATER HEATER
WT	WEIGHT

ACCEPTANCE TESTING REQUIREMENTS

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED MECHANICAL SYSTEMS AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ACCEPTANCE TEST TECHNICIAN (ATT).

A LISTING OF CERTIFIED ATT CAN BE FOUND AT:
https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF FINAL BID TO VERIFY ALL EXISTING SITE CONDITIONS WHICH MAY AFFECT THE COMPLETION OF THE INSTALLATION. ALL METHODS AND REQUIREMENTS FOR INSTALLATION SHALL BE DETERMINED PRIOR TO BID DATE. CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT REFERENCED ON THESE PLANS PRIOR TO SUBMITTING BID. SUBMITTAL OF THE CONTRACTOR'S BID DEMONSTRATES THE CONTRACTOR'S AWARENESS OF ALL SITE CONDITIONS AND REQUIRED WORK TO BE PERFORMED.
2. CONTRACTOR SHALL INCLUDE AND PROVIDE IN BID ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND OPERATIONAL INSTALLATION OF ALL SYSTEMS.
3. THE DRAWINGS INCLUDED IN THIS SET ARE DIAGRAMMATIC. THEY ARE REPRESENTATIVE OF THE ENGINEER OF RECORD'S DESIGN INTENT FOR ALL EQUIPMENT AND RELATED PIPING ETC. INDIVIDUAL POWER NEEDS, CONTROLS AND OTHER CONNECTIONS SHALL BE COORDINATED AND COMPLETED/ PROVIDED FOR COMPLETE SYSTEM OPERATION BY CONTRACTOR.
4. EQUIPMENT LOCATIONS AND PIPE ROUTING ARE NOT PRECISE AND SHALL BE COORDINATED, VERIFIED, AND DETERMINED IN THE FIELD. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ROUTE PIPING IN LOCATIONS WHICH MEET CODE REQUIREMENTS AND DO NOT INTERFERE WITH ANY BUILDING STRUCTURES, UTILITIES, OR OTHER TRADE EQUIPMENT.
5. (E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN HATCHED. SEE LEGEND. COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SHOWN. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.
6. ALL EQUIPMENT, EQUIPMENT CONNECTIONS, PIPING, MOUNTING LOCATIONS ETC. ARE TO BE VERIFIED WITH OWNER'S REPRESENTATIVE AND EQUIPMENT SUPPLIER PRIOR TO BEGINNING OF THE ROUGH-IN.
7. ALL WORK SHALL BE PERFORMED TO STATE, LOCAL, NATIONAL AND DISTRICT STANDARDS AND CODES. COORDINATE SPECIFIC REQUIREMENTS WITH DISTRICT STANDARDS AND AUTHORITY HAVING JURISDICTION.
8. ALL EQUIPMENT SHALL BE NEW AND CLEARLY LABELED AND IDENTIFIED. LABELS SHALL NOT BE COVERED BY OTHER CONSTRUCTION ELEMENTS.
9. UNLESS OTHERWISE NOTED IN CONTRACT DOCUMENTS, CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WORK FOR A PERIOD OF ONE YEAR.
10. UNLESS OTHERWISE NOTED OR REFERENCED ON THE DRAWINGS, EVERYTHING IS NEW.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAW CUTTING, CORE DRILLING, PATCHING, REFINISHING, ETC. AS REQUIRED FOR INSTALLATION OF SYSTEMS. ANY PENETRATIONS OR OPENINGS MADE IN WALLS OR STRUCTURES SHALL BE PATCHED AND/OR SEALED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE WALL OR STRUCTURE.
12. CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT AND SHALL INCLUDE THE PRICE OF INSTALLING ALL CONNECTIONS AS REQUIRED IN THEIR BIDS.
13. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE APPROVAL OF THE ENGINEER OF RECORD. ALL APPROVALS BY THE ENGINEER OF RECORD MUST BE SECURED PRIOR TO COMPLETION OF ANY PURCHASE ORDERS OR ROUGH-IN WORK.
14. THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS ARE TO BE CONSIDERED CONTRACT DOCUMENTS FOR AGENCY REVIEW/ APPROVAL AND CONTRACTOR BIDDING PURPOSES.
15. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF AS-BUILT DRAWINGS.
16. ANY AND ALL WORK THAT REQUIRES AN INTERRUPTION TO BUILDING SERVICES(S) (ELECTRICAL/ HVAC/ PLUMBING ETC.) MUST BE COORDINATED WITH THE DISTRICT A MINIMUM OF 48 HOURS IN ADVANCE. ANY SERVICE DOWNTIME SHALL NOT OCCUR DURING SCHOOL OPERATION HOURS.
17. IN INSTANCES WHERE A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS AND INSTALLATION MANUALS FOR THE PROJECT EXISTS, THE CONTRACTOR SHALL ADHERE TO THE MORE STRINGENT REQUIREMENT.
18. ANY EXISTING BUILDING STRUCTURES OR SURFACES DAMAGED BY DEMOLITION OR DURING INSTALLATION ACTIVITIES SHALL BE REPAIRED, PATCHED, AND/OR REFINISHED TO THE SATISFACTION OF THE OWNER.
19. FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE SUPPLY DIFFUSER.
20. FOR ALL VOLUME DAMPERS LOCATED ABOVE CEILINGS, PROVIDE 12" LONG 1/2" WIDE FLUORESCENT ORANGE TAPE TO MARK DAMPER LOCATIONS.
21. ALL DUCTWORK, CONDUITS, BOXES, SURFACE MOUNTED RACEWAYS, SUPPORT DEVICES, AND ASSOCIATED FITTINGS SHALL BE MOUNTED IN CONCEALED LOCATIONS ABOVE CEILINGS, DUCTS, TRUSSES, BEAMS, ETC. WHERE WORK HAS TO BE INSTALLED IN EXPOSED LOCATIONS, IT SHALL BE PAINTED TO MATCH THE ADJACENT SURFACES OR PER ARCHITECT'S DIRECTION.
22. CONTRACTOR SHALL PREPARE AND SUBMIT THE CALIFORNIA ENERGY COMMISSION TITLE 24 CERTIFICATE OF ACCEPTANCE FORMS RELATED TO INSTALLED EQUIPMENT AND SYSTEMS.
23. SAFETY: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
24. CONTRACTOR'S EQUIPMENT: COORDINATE WITH OWNER'S REPRESENTATIVE FOR APPROVED LOCATION OF JOB SITE ACCESS, PARKING, AND LOCATION OF CONTRACTOR'S EQUIPMENT AND MATERIAL STORAGE AREA. COORDINATE WITH OWNER FOR LOCATION AND PROCEDURES.
25. ALL BUILDING MATERIALS MUST BE ASBESTOS FREE.
26. CONSTRUCTION SCHEDULING: CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH OWNER'S REPRESENTATIVE PRIOR TO SCHEDULING AND START OF THE WORK. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL EXISTING SPACES AND SYSTEMS WHICH ARE IN USE, ADJOINING THE PROJECT, AND NOT PART OF THE PROJECT.
27. TITLE 24 COMPLIANCE: THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (2022 CBC). SHOULD ANY CONDITIONS BE DISCOVERED NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK DOES NOT COMPLY WITH 2022 CBC, A CONSTRUCTION CHANGE DOCUMENT OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK, SHALL BE SUBMITTED TO AND APPROVED BY THE DSA BEFORE PROCEEDING WITH THE WORK.
28. THESE DOCUMENTS MAKE NO REPRESENTATION AS TO THE EXISTENCE OR LOCATION OF EXISTING HAZARDOUS MATERIALS (INCLUDING ASBESTOS CONTAINING MATERIALS) AT THE SITE. SHOULD CONTRACTOR DISCOVER SUSPECTED HAZARDOUS MATERIALS AT THE SITE HE SHALL IMMEDIATELY BRING IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO STARTING OR CONTINUING WORK INVOLVING THOSE MATERIALS.

DSA GENERAL NOTES

1. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
2. THE SEISMIC SUPPORT AND ANCHORAGE OF THE EQUIPMENT DESCRIBED ON THESE DRAWINGS HAVE BEEN ENGINEERED BY THE ENGINEER OF RECORD FOR CONFORMANCE WITH APPROPRIATE BUILDING CODES. THE ENGINEER OF RECORD WAS NOT RESPONSIBLE FOR THE EQUIPMENT DESIGN.
3. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE CRITERIA FROM CHAPTER 16A CALIFORNIA BUILDING CODE (CBC) 2022.
4. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.
5. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
6. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.

LIST OF GOVERNING CODES

2025 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

ALL SECTION NUMBERS BELOW REFER TO GROUP 1, CHAPTER 4, PART 1, TITLE 24, C.C.R.
1. ADDENDA, CONSTRUCTION CHANGES PER SECTION 4-338.
2. INSPECTOR APPROVED BY DSA. INSPECTOR AND CONTINUOUS INSPECTION OF WORK PER SECTION 4-333(b) AND 4-342.
3. TESTS AND TESTING LABORATORY PER SECTION 4-335.
4. SPECIAL INSPECTION PER SECTION 4-333(c).
5. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4-336 AND 4-343(c).
6. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R. - DUTIES OF ARCHITECT, STRUCTURAL ENGINEER OR PROFESSIONAL ENGINEER PER SECTION 4-333(a) AND 4-341.
7. GOVERNING CODES: TITLE 24.
8. A COPY OF PARTS 1, 2, 3, 4, AND 5 OF TITLE 24 SHALL BE KEPT AVAILABLE IN THE FIELD DURING CONSTRUCTION.
9. DSA SHALL BE NOTIFIED OF START OF CONSTRUCTION PER SECTION 4-331.
10. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4-334.

DRAWING INDEX

MP0.1 SYMBOL LEGENDS, ABBREVIATIONS, N

PLUMBING FIXTURES SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.	ROUGH-IN CONNECTIONS (IN.)					FLUSH VALVE	SEAT	FAUCET	CARRIER	DRAIN ASSEMBLY	P-TRAP	STOP / SUPPLY	INSULATION KIT	ACCESS COMPLIANT	NOTES
				TRAP	W	V	CW	HW										
WC-1	WALL HUNG WATER CLOSET	KOHLER	KINGSTON ULTRA K-84325-SS	INT	4"	2"	1"	—	SLOAN 111-1.28	KOHLER K-4670-SA	—	JAY R SMITH 0542F	—	—	—	—	Y	1, 2
L-1	WALL HUNG LAVATORY	KOHLER	KINGSTON K-2005	1-1/2"	2"	1-1/2"	1/2"	1/2"	—	—	CHICAGO FAUCETS 802-VE/2805-317ABCP	JAY R SMITH 0722	MCGUIRE 155WC	DEARBORN BRASS 710-1	BRASSCRAFT KTCR19X C	TRUEBRO LAV GUARD 2	Y	1, 2
CS-1	COUNTER MOUNT SINK	JUST MFG	CRAADA1931A55-J	1-1/2"	2"	1-1/2"	1/2"	—	—	—	CHICAGO FAUCETS 350-LHE35ABCP	—	MCGUIRE 1152 WC	DEARBORN BRASS 710-1	BRASSCRAFT 0R3712AZX C	TRUEBRO LAV GUARD 2	Y	3, 4
CS-2	FLOOR MOUNT SINK	ELKAY	SS8136	1-1/2"	2"	1-1/2"	1/2"	1/2"	—	—	CHICAGO FAUCETS 631-L9E35ABCP	—	MCGUIRE 1152 WC	DEARBORN BRASS 710-1	—	TRUEBRO LAV GUARD 2	N	
MS-1	MOP SINK	ZURN	Z5850-D3	3"	3"	2"	1/2"	1/2"	—	—	CHICAGO FAUCETS 897-CCP	—	GRID DRAIN INCLUDED	CAST IRON	—	—	N	
HB-1	HOSE BIBB	ACORN	8120CP-LF	—	—	—	3/4"	—	—	—	—	—	—	—	—	—	—	
FD-1	FLOOR DRAIN	ZURN	Z415B	2"	2"	2"	—	—	—	—	—	—	—	CAST IRON	—	—	—	5

1. SEE ARCHITECTURAL DRAWINGS FOR ADULT MOUNTING HEIGHT.
2. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
3. PROVIDE WITH HOLE CONFIGURATION LM - (1) FAUCET HOLE ON LEFT AND (1) SLOTTED HOLE FOR BUBBLER ON RIGHT.
4. PROVIDE WITH HAWS 5054LF BUBBLER.
5. NO HUB OUTLET WITH ROUND STRAINER HEAD AND 1/2" TRAP PRIMER CONNECTION.

WATER HEATERS SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL NO.	LOCATION	CAPACITY GAL	RECOVERY GPH	ELECTRICAL		WEIGHT LBS	MOUNTING DETAIL	NOTES
							KW	V / PH			
WH-1	ELECTRIC WITH STORAGE	STATE	PCE 10	CUSTODIAN	10	23	5	208 / 3	140	1/MP6.2	1, 2

1. PROVIDE HOLDRITE MODEL 30-SWHP-WM WALL HUNG PLATFORM AND HOLDRITE QS-50 SEISMIC RESTRAINT STRAPS.
2. RECOVERY RATE SHOWN AT 90°F TEMPERATURE RISE.

EXPANSION TANKS SCHEDULE

TAG	MANUFACTURER	MODEL NO.	LOCATION	TANK VOLUME	ACCEPTANCE FACTOR	WEIGHT LBS	NOTES
ET-1	AMTROL	ST-5-C	CUSTODIAN	2.0	0.45	10	1

1. CHARGE TANK PRESSURE EQUAL TO SYSTEM PRESSURE.

CIRCULATION PUMPS SCHEDULE

TAG	MANUFACTURER	MODEL NO.	LOCATION	GPM	HEAD FT	ELECTRICAL		WEIGHT LBS	NOTES
						WATTS	V / PH		
CP-1	BELL & GOSSETT	NBF-22	CUSTODIAN	1.5	15	92	115 / 1	10	1, 2 ,3

1. PROVIDE WITH AUTOMATIC TIMER KIT B&G MODEL TC-1.
2. PROVIDE WITH AQUASTAT B&G MODEL AQS-3/4.
3. WITH 3/4" FLANGE CONNECTIONS.

SPLIT SYSTEM AIR CONDITIONERS SCHEDULE

TAG	MANUFACTURER	MODEL	AREA(S) SERVED	RATED COOLING CAPACITY, MBH	RATED HEATING CAPACITY, MBH	AIRFLOW CFM	ESP IN. W.G.	MIN. OA CFM	MAX. DCV CFM	REFRIGERANT PIPING		SEER2 EER2	HSPF2 COP	ELECTRICAL						WEIGHT LBS	MOUNTING DETAIL	NOTES
										LIQUID	GAS			UNIT				ELECTRIC HEATER				
														V / PH	MCA	RFS	MOCP	V / PH	KW			
HP-1	MITSUBISHI	PUZ-AK36NL	CLASSROOM 1	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-1	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-2	MITSUBISHI	PUZ-AK36NL	CLASSROOM 2	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-2	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-3	MITSUBISHI	PUZ-AK36NL	CLASSROOM 3	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-3	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-4	MITSUBISHI	PUZ-AK36NL	CLASSROOM 4	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-4	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-5	MITSUBISHI	PUZ-AK36NL	CLASSROOM 5	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-5	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-6	MITSUBISHI	PUZ-AK36NL	CLASSROOM 6	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-6	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-7	MITSUBISHI	PUZ-AK36NL	CLASSROOM 7	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-7	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-8	MITSUBISHI	PUZ-AK36NL	CLASSROOM 8	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-8	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-9	MITSUBISHI	PUZ-AK48NL	ASB 9	48	60	–	–	–	–	3/8"	5/8"	18.1 10.6	8.4 3.1	208 / 1	38	40	67	–		265	1/MP6.1	
FC-9	MITSUBISHI	PVA-AA48NL				1,480	0.8	450	1000	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	5/MP6.1	2, 3, 4, 5
HP-10	MITSUBISHI	PUZ-AK36NL	CLASSROOM 10	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-10	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-11	MITSUBISHI	PUZ-AK36NL	CLASSROOM 11	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-11	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-12	MITSUBISHI	PUZ-AK36NL	CLASSROOM 12	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-12	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-13	MITSUBISHI	PUZ-AK36NL	CLASSROOM 13	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-13	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-14	MITSUBISHI	PUZ-AK36NL	CLASSROOM 14	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-14	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-15	MITSUBISHI	PUZ-AK36NL	CLASSROOM 15	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-15	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-16	MITSUBISHI	PUZ-AK36NL	CLASSROOM 16	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-16	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP-17	MITSUBISHI	PUZ-AK36NL	CLASSROOM 17	36	40	–	–	–	–	3/8"	5/8"	19.5 12.1	9.2 4.2	208 / 1	34	35	56	–		225	1/MP6.1	
FC-17	MITSUBISHI	PVA-AA36NL				1,120	0.8	300	750	3/8"	5/8"			NOTE 1				208 / 1	7.5	175	2/MP6.1	2, 3, 4, 5
HP18	MITSUBISHI	MUY-GX18NL	ELECTRICAL & MECHANICAL	22	–	–	–	–	–	1/4"	1/2"	22.5 14.05	–	208 / 1	23	25	40	–		120	1/MP6.1	
FC-18	MITSUBISHI	MSY-GX18NL				650	–	–	–	1/4"	1/2"			NOTE 1				NONE		40	3/MP6.1	2, 5

1. INDOOR UNIT POWERED BY OUTDOOR UNIT.
2. PROVIDE WITH PELICAN TC3 THERMOSTAT WITH THERMOSTAT ADAPTER AND TRANSFORMER. PROVIDE WITH PELICAN WIRELESS PEARL ECONOMIZER CONTROLLER.
3. PROVIDE WITH 2" THICK MERV 13 FILTERS AND FILTER BOX WITH HINGED ACCESS PANEL AND TOOL-LESS ENTRY.
4. PROVIDE WITH ELECTRIC HEAT KIT MODEL EH10-MPA-LB. A SEPARATE POWER SUPPLY IS NEEDED FOR THE HEATER.
5. RATED COOLING CAPACITIES BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB). RATED HEATING CAPACITIES BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB).

AIR DISTRIBUTION SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	BORDER TYPE	MOUNTING DETAIL	NOTES
CD-1	TITUS	MCD	MODULAR CORE CEILING DIFFUSER	LAY-IN	8/MP6.1	1
EG-1	TITUS	8R	EXHAUST / RELIEF GRILLE	LAY-IN	8/MP6.1	1
HSR-1	TITUS	350RL	HIGH SIDEWALL RETURN	SURFACE MOUNT	6/MP6.1	1

1. PRIME AND PAINT PER ARCHITECT'S INSTRUCTIONS.

ROOF HOODS SCHEDULE

TAG	MANUFACTURER	MODEL NO.	TYPE	THROAT SIZE	HOOD SIZE	CURB CAP SIZE	WEIGHT LBS	MOUNTING DETAIL	NOTES
IH-1	GREENHECK	FGI-14x30	INTAKE	14 x 30	26 x 48	20 x 36	100	7/MP6.1	1, 3
IH-2	GREENHECK	GRSI-24	INTAKE	24.5" Ø	38.25" Ø	34" x 34"	70	7/MP6.1	1, 3
RH-1	GREENHECK	GRSR-24	RELIEF	24.5" Ø	38.25" Ø	34" x 34"	70	7/MP6.1	2, 3

1. PROVIDE WITH ALUMINUM MESH INSECT SCREEN AND GALVANIZED BIRDSCREEN.
2. PROVIDE WITH MOTORIZED BACKDRAFT DAMPER W/24V ACTUATOR, ALUMINUM MESH INSECT SCREEN, AND GALVANIZED BIRDSCREEN.
3. PROVIDE WITH GREENHECK GPIP PITCHED ROOF CURB.

EXHAUST FANS SCHEDULE

TAG	MANUFACTURER	MODEL NO.	AREA SERVED	AIRFLOW CFM	ESP IN. W.G.	FAN RPM	SOUND POWER SONES	MOTOR		WEIGHT LBS	MOUNTING DETAIL	NOTES
								WATTS	V / PH			
EF-1	GREENHECK	SP-A90	UNISEX	70	0.25	851	0.3	13	115 / 1	15	4/MP6.1	1, 2
EF-2	GREENHECK	SP-A90	UNISEX	70	0.25	851	0.3	13	115 / 1	15	4/MP6.1	1, 2
EF-3	GREENHECK	SP-A200	CUSTODIAN	120	0.25	647	1.1	19	115 / 1	30	4/MP6.1	1, 2
EF-4	GREENHECK	SP-A90	STORAGE	80	0.25	900	0.4	16	115 / 1	15	4/MP6.1	1, 2

1. PROVIDE WITH UL LISTING, SPEED CONTROLLER, FACTORY MOUNTING BRACKET, SPRING LOADED BACKDRAFT DAMPER, VIBRATION ISOLATION KIT, AND ROUND DUCT CONNECTION.
2. CONTROL WITH PELICAN WIRELESS POWER CONTROL MODULE PM5-120. COORDINATE WIRING WITH ELECTRICAL CONTRACTOR.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

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MEIN SER TUNG
No. M31059
EXP. JUNE 30, 2027
MECHANICAL
STATE OF CALIFORNIA

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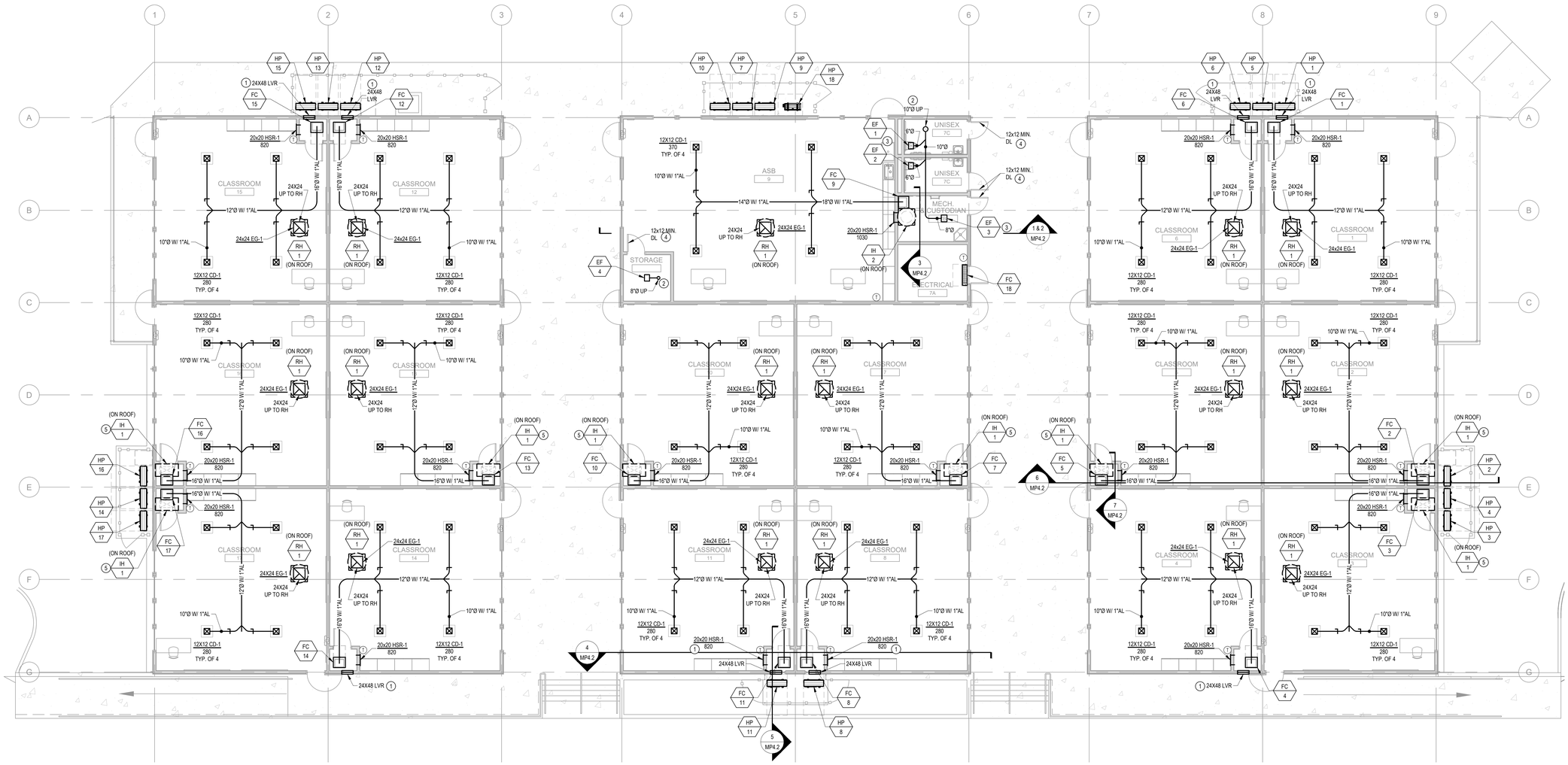
SCHEDULES - MECHANICAL & PLUMBING

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: JL
CHECKED BY: CS
PROJECT NO: 25042
DATE: 04/21/2026

MP0.2

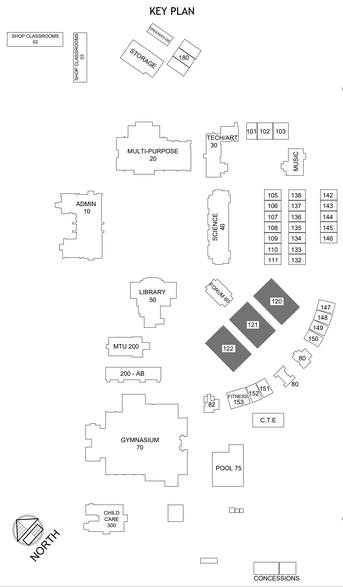


1 MP2.1 BUILDINGS 120, 121, & 122 - NEW FLOOR PLANS - MECHANICAL DUCTWORK

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



⑥ CONSTRUCTION NOTES

1. OUTSIDE AIR LOUVER HIGH ON WALL, SEE ARCHITECT'S DRAWINGS.
2. EXHAUST DUCT THROUGH ROOF, SEE 14/MP6.1.
3. INSTALL BACKDRAFT DAMPER AT EACH EXHAUST FAN.
4. DOOR LOUVER, SEE ARCHITECT'S DRAWINGS.
5. EXTEND DUCTWORK FROM INTAKE HOOD APPROX. 1'-0" INTO MECHANICAL CLOSET. LEAVE END OF DUCT OPEN WITH A MESH SCREEN.

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING CONDITIONS, INCLUDING ALL RELEVANT DIMENSIONS, EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO START OF CONSTRUCTION OR ORDERING PARTS.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.
6. SEE DETAIL 9/MP6.1 FOR DUCT SUPPORTS.

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BUILDINGS 120, 121, & 122 - NEW FLOOR PLANS - MECHANICAL EQUIPMENT AND DUCTWORK

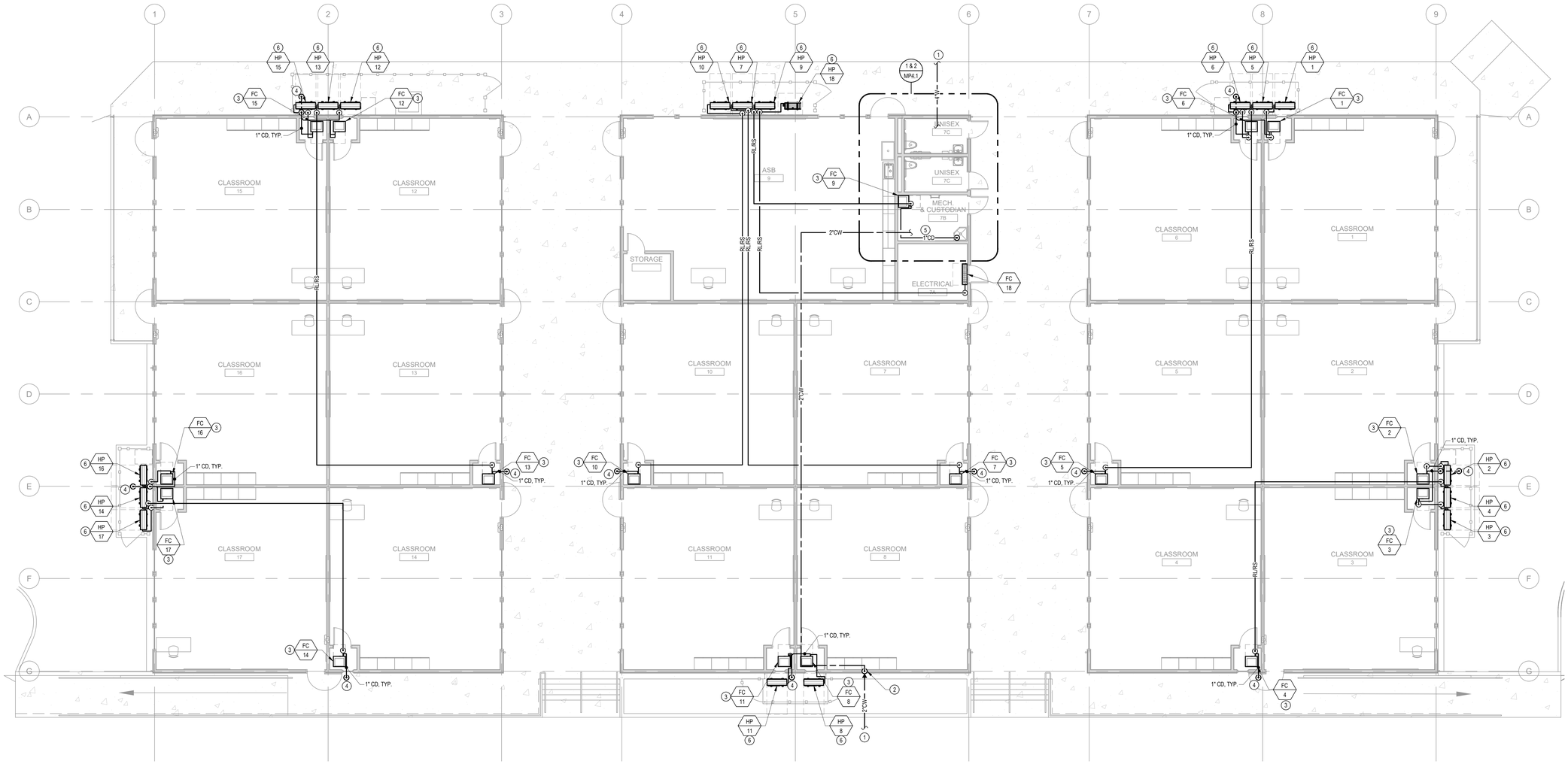
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY: JL
CHECKED BY: CS
PROJECT NO: 25042
DATE: 04/21/2026

MP2.1



1 MP2.2 BUILDINGS 120, 121, & 122 - NEW FLOOR PLANS - MECHANICAL PIPING & PLUMBING

SCALE: 1/8" = 1'-0"

NORTH

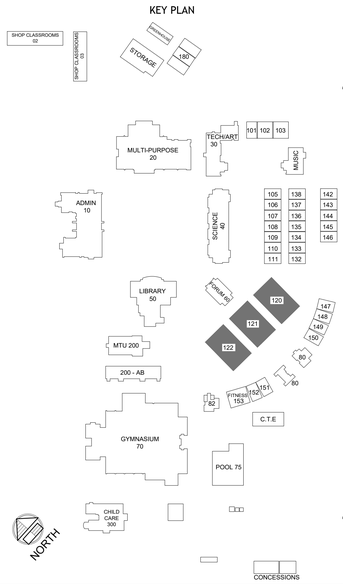
CONSTRUCTION NOTES

1. SEE CIVIL DRAWINGS FOR CONTINUATION.
2. RISE PIPE IN WALL AND ABOVE CEILING. COLD WATER SHUT OFF VALVE ON RISER. SEE 5/MP6.2. INSTALL RISER IN CAGE, SEE ARCHITECT'S DRAWINGS.
3. INSTALL CD PIPE AT FAN COIL PRIMARY DRAIN CONNECTION PER DETAIL 3/MP6.2. INSTALL SAFE-T-SWITCH SS2 AT SECONDARY DRAIN CONNECTION AND WIRE TO SHUT DOWN UNIT WHEN WATER IS DETECTED.
4. COMBINE CD FROM FAN COILS AND ROUTE TO DRYWELL. SEE 4/MP6.2. SEE ARCHITECT'S DRAWINGS FOR EXACT LOCATION OF DRYWELL AND COORDINATE INSTALLATION OF CD PIPE WITH CONCRETE PAD INSTALLATION.
5. ROUTE CD FROM FAN COIL TO MOP SINK AND SPILL WITH 1" AIR GAP.
6. INSTALL REFRIGERANT PIPING FROM HEAT PUMP TO FAN COIL. FOLLOW MFR INSTRUCTIONS FOR SIZING. GROUP PIPES TOGETHER AND RISE PIPE IN WALL SIMILAR TO COLD WATER RISER (SEE 5/MP6.2). ROUTE PIPING ABOVE CEILING.

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING CONDITIONS, INCLUDING ALL RELEVANT DIMENSIONS, EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO START OF CONSTRUCTION OR ORDERING PARTS.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.
6. SEE DETAIL 7/MP6.2 FOR EXTERIOR PIPE SUPPORTS. SEE DETAIL 8/MP6.2 FOR INTERIOR PIPE SUPPORTS.
7. REFRIGERANT PIPING SHOWN DIAGRAMMATICALLY WITH SINGLE LINE TO REPRESENT BOTH LIQUID AND SUCTION LINES.

KEY PLAN



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APP: 03-125793 INC:
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DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
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REGISTERED PROFESSIONAL ENGINEER
MEIN SER TUN
No. M31059
EXP. JUNE 30, 2027
MECHANICAL
STATE OF CALIFORNIA

CYPRESS Engineering Group
CEG JOB NO: 25282
HVAC, Plumbing, Fire Protection
Building Commissioning
Industrial Refrigeration
Energy Modeling
Training & Technical Support
831.218.1802
8 Harris Court, Suite A8
Monterey, CA 93940
cypressegg.com

BUILDINGS 120, 121, & 122 - NEW FLOOR PLANS - MECHANICAL PIPING AND PLUMBING

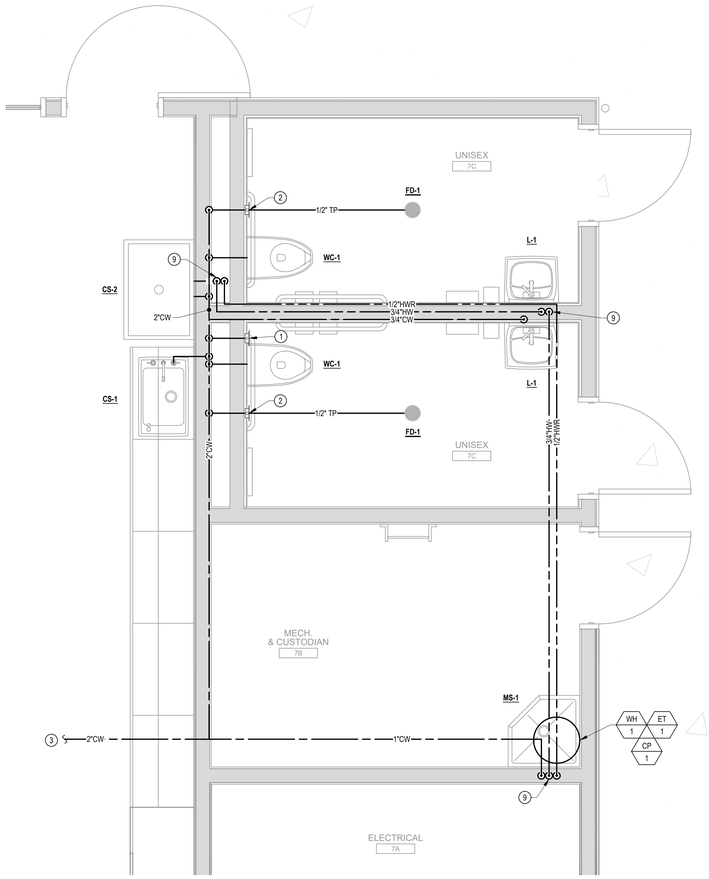
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY: JL
CHECKED BY: CS
PROJECT NO: 25042
DATE: 04/21/2026

MP2.2

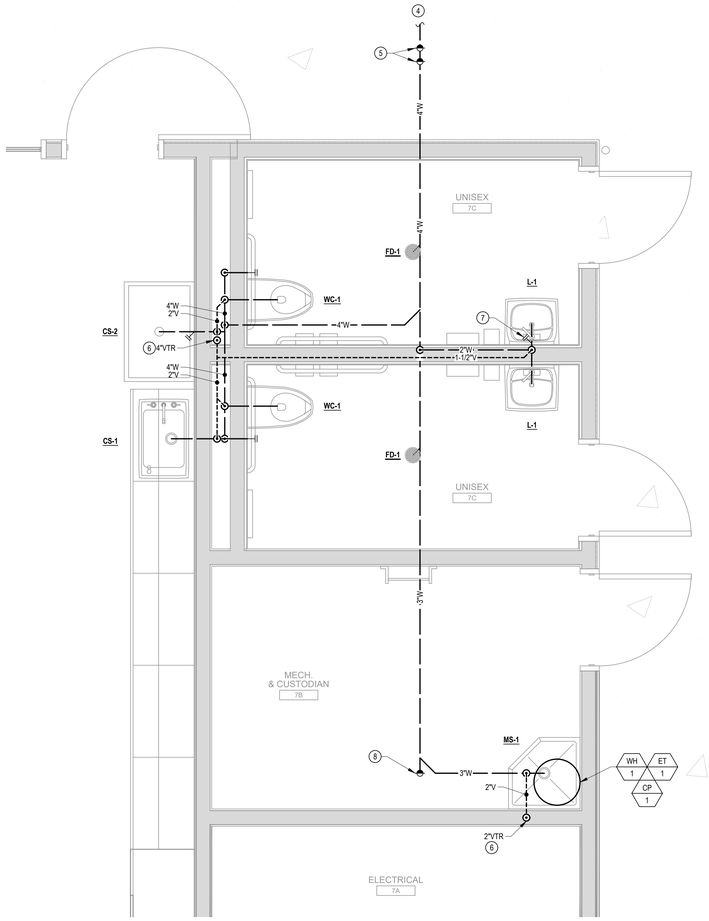


1 MP4.1

WATER PIPING
NEW PARTIAL FLOOR PLAN - PLUMBING

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

NORTH



2 MP4.1

WASTE & VENT PIPING
NEW PARTIAL FLOOR PLAN - PLUMBING

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

NORTH

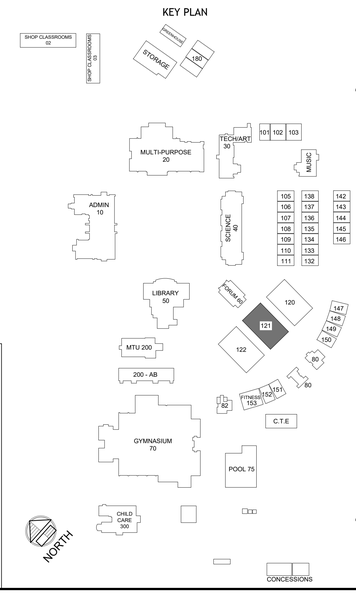
⑧ CONSTRUCTION NOTES

1. WATER HAMMER ARRESTOR IN ACCESS PANEL, SEE 11/MP6.2.
2. TRAP PRIMER IN ACCESS PANEL, SEE 12/MP6.2.
3. FOR CONTINUATION, SEE MP2.2.
4. FOR CONTINUATION, SEE CIVIL DRAWINGS.
5. GRADE CLEANOUT WITH BACK-TO-BACK TEES/WYES. TWO WAY CLEANOUTS NOT ACCEPTABLE.
6. VENT THROUGH ROOF, SEE 13/MP6.2.
7. WALL CLEANOUT, SEE 9/MP6.2.
8. FLOOR CLEANOUT, SEE 10/MP6.2.
9. RUN HOT WATER LOOP DOWN IN WALL TO WITHIN 18" OF FIXTURE.

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING CONDITIONS, INCLUDING ALL RELEVANT DIMENSIONS, EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO START OF CONSTRUCTION OR ORDERING PARTS.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.
6. SEE DETAIL 7/MP6.2 FOR EXTERIOR PIPE SUPPORTS. SEE DETAIL 8/MP6.2 FOR INTERIOR PIPE SUPPORTS.

KEY PLAN



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NEW PARTIAL FLOOR PLANS - PLUMBING

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

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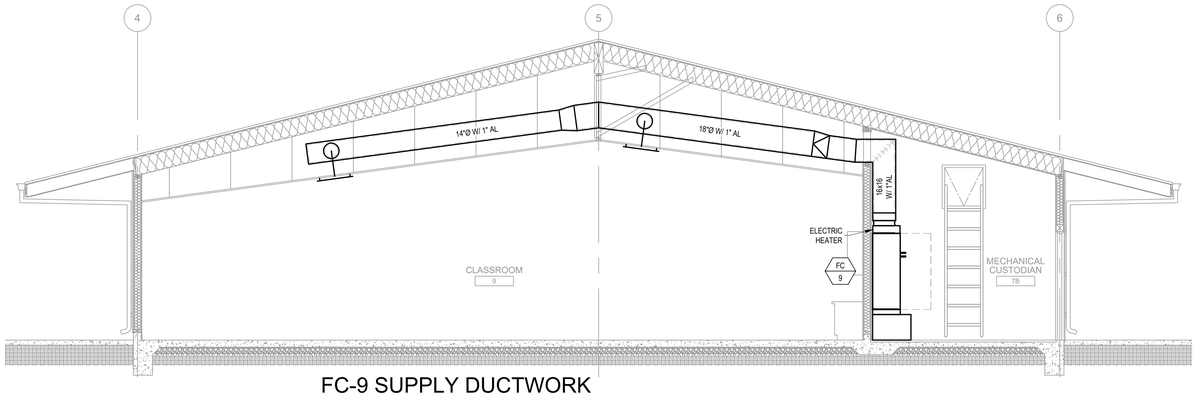
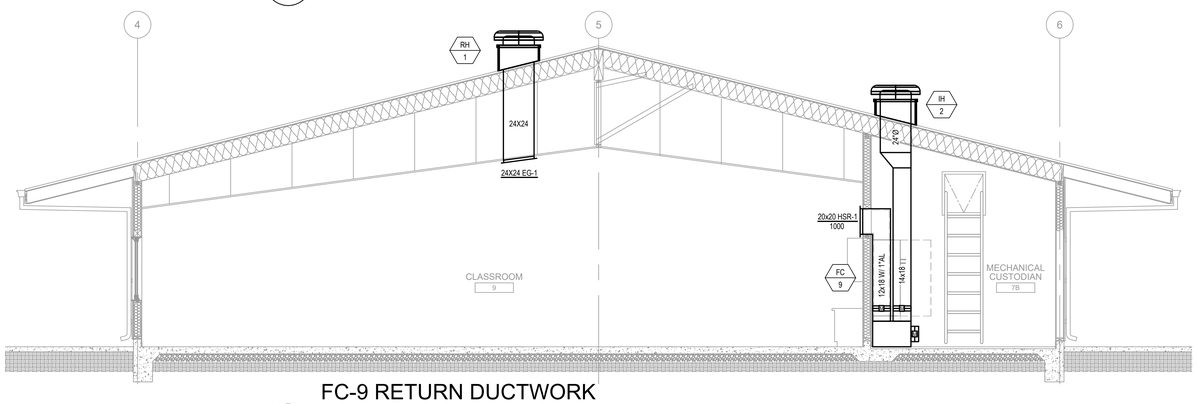
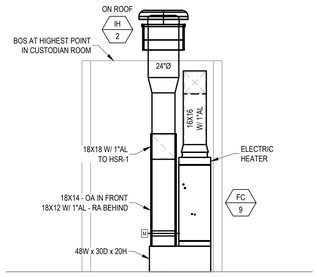


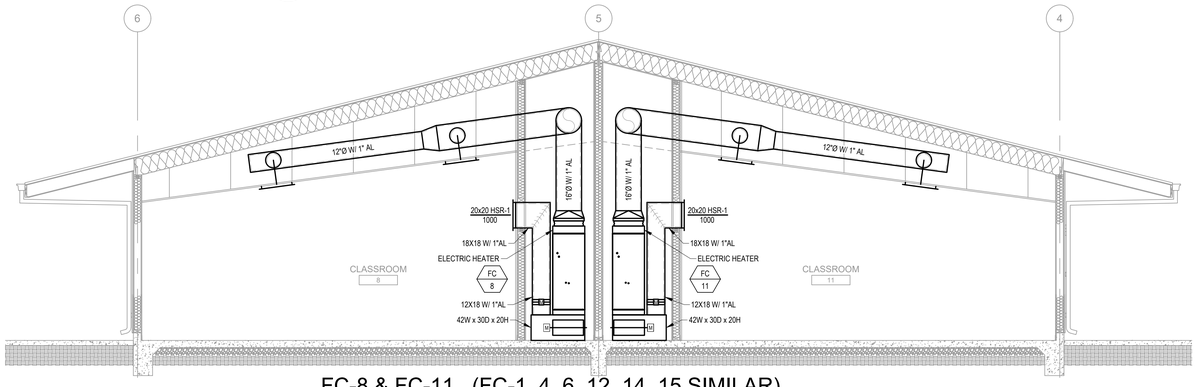
1 MP4.2 FC-9 SUPPLY DUCTWORK
BUILDING SECTION AT CLASSROOM 9 AND CUSTODIAN ROOM
SCALE: 1/4" = 1'-0"



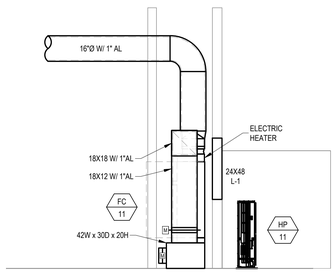
2 MP4.2 FC-9 RETURN DUCTWORK
BUILDING SECTION AT CLASSROOM 9 AND CUSTODIAN ROOM
SCALE: 1/4" = 1'-0"



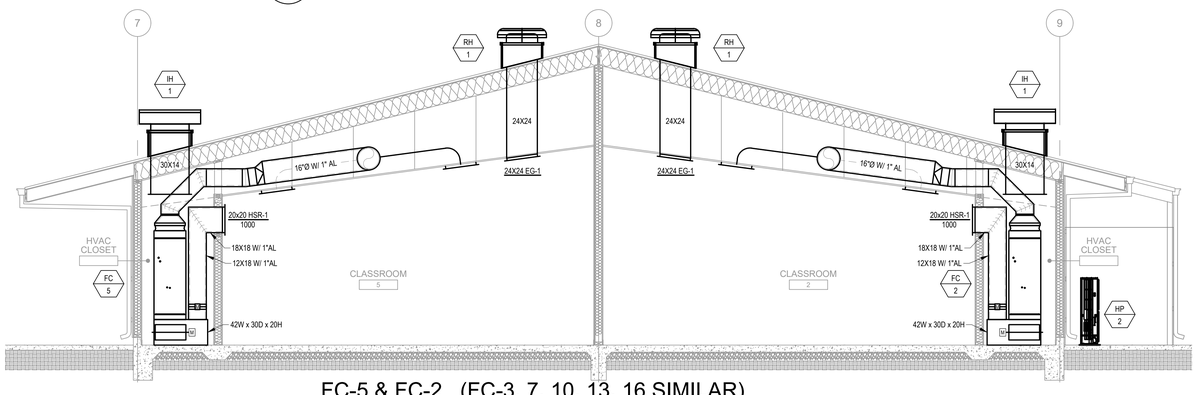
3 MP4.2 FC-9
SECTION AT CUSTODIAN ROOM
SCALE: 1/4" = 1'-0"



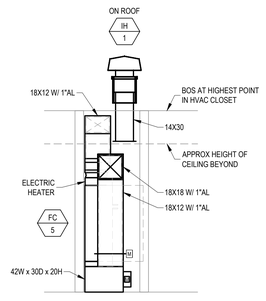
4 MP4.2 FC-8 & FC-11 (FC-1, 4, 6, 12, 14, 15 SIMILAR)
BUILDING SECTION AT CLASSROOMS 8 & 11
SCALE: 1/4" = 1'-0"



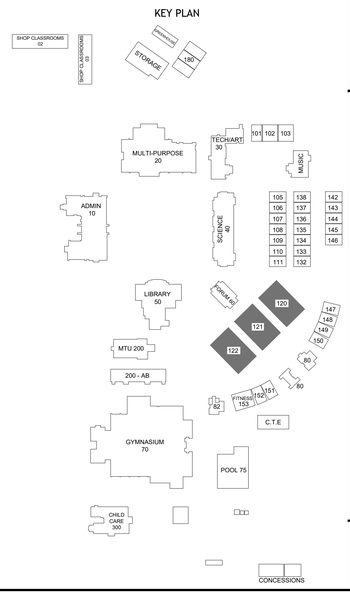
5 MP4.2 FC-1, 4, 6, 8, 12, 14, 15 SIMILAR
SECTION AT HVAC CLOSET - FC-11
SCALE: 1/4" = 1'-0"



6 MP4.2 FC-5 & FC-2 (FC-3, 7, 10, 13, 16 SIMILAR)
BUILDING SECTION AT CLASSROOMS 5 & 2
SCALE: 1/4" = 1'-0"



7 MP4.2 FC-2, 3, 7, 10, 13, 16 SIMILAR
SECTION AT HVAC CLOSET - FC-5
SCALE: 1/4" = 1'-0"



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SECTION VIEWS - MECHANICAL

NEW CLASSROOM BUILDINGS AT
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LUCIA MAR UNIFIED SCHOOL DISTRICT

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MP4.2

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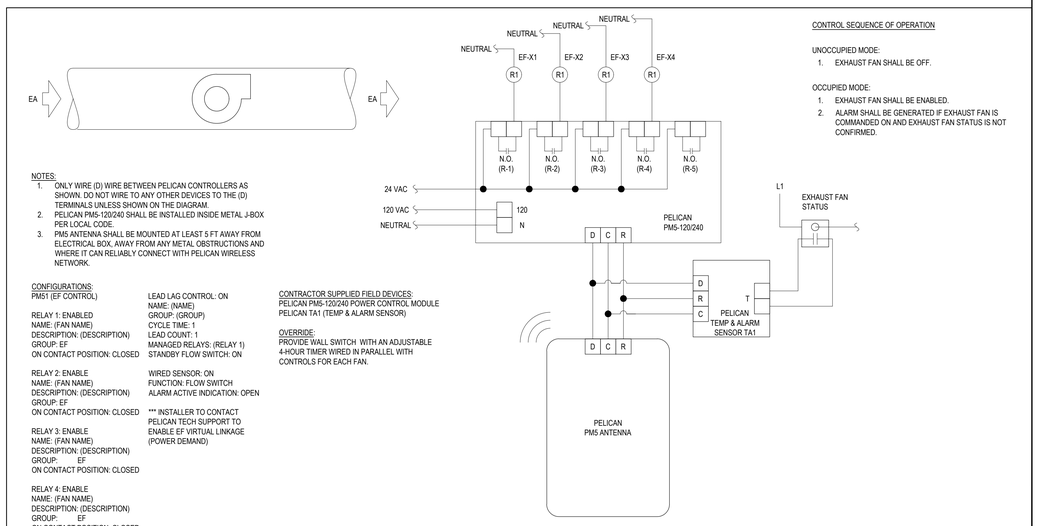


NOTES:
1. ONLY WIRE (D) WIRE BETWEEN PELICAN CONTROLLERS AS SHOWN. DO NOT WIRE TO ANY OTHER DEVICES TO THE (D) TERMINALS UNLESS SHOWN ON THE DIAGRAM.
2. PELICAN PM5-120/240 SHALL BE INSTALLED INSIDE METAL J-BOX PER LOCAL CODE.
3. PM5 ANTENNA SHALL BE MOUNTED AT LEAST 5 FT AWAY FROM ELECTRICAL BOX, AWAY FROM ANY METAL OBSTRUCTIONS AND WHERE IT CAN RELIABLY CONNECT WITH PELICAN WIRELESS NETWORK.

CONFIGURATIONS:
PM51 (EF CONTROL)

RELAY 1: ENABLED
NAME: (FAN NAME)
DESCRIPTION: (DESCRIPTION)
GROUP: EF
ON CONTACT POSITION: CLOSED

RELAY 2: ENABLE
NAME: (FAN NAME)
DESCRIPTION: (DESCRIPTION)
GROUP: EF
ON CONTACT POSITION: CLOSED

RELAY 3: ENABLE
NAME: (FAN NAME)
DESCRIPTION: (DESCRIPTION)
GROUP: EF
ON CONTACT POSITION: CLOSED

RELAY 4: ENABLE
NAME: (FAN NAME)
DESCRIPTION: (DESCRIPTION)
GROUP: EF
ON CONTACT POSITION: CLOSED

RELAY 5: DISABLED

LEAD LAG CONTROL: ON
NAME: (NAME)
GROUP: (GROUP)
CYCLE TIME: 1
LEAD COUNT: 1
MANAGED RELAYS: (RELAY 1)
STANDBY FLOW SWITCH: ON

WIRED SENSOR: ON
FUNCTION: FLOW SWITCH
ALARM ACTIVE INDICATION: OPEN

*** INSTALLER TO CONTACT PELICAN TECH SUPPORT TO ENABLE EF VIRTUAL LINKAGE (POWER DEMAND)

CONTRACTOR SUPPLIED FIELD DEVICES:
PELICAN PM5-120/240 POWER CONTROL MODULE
PELICAN TA1 (TEMP & ALARM SENSOR)

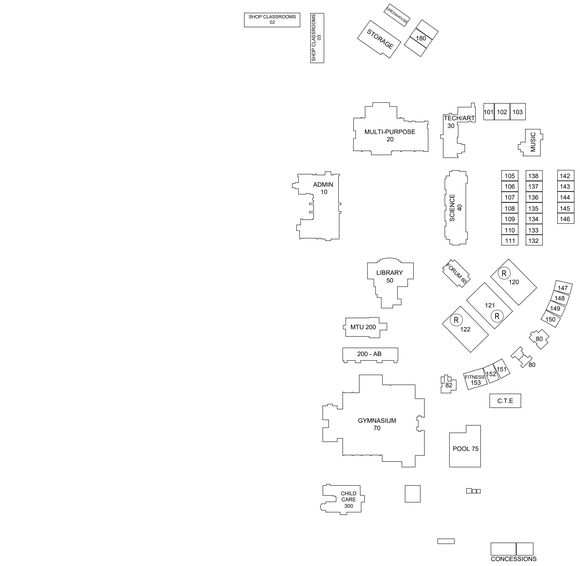
OVERRIDE:
PROVIDE WALL SWITCH WITH AN ADJUSTABLE 4-HOUR TIMER WIRED IN PARALLEL WITH CONTROLS FOR EACH FAN.

CONTROL SEQUENCE OF OPERATION

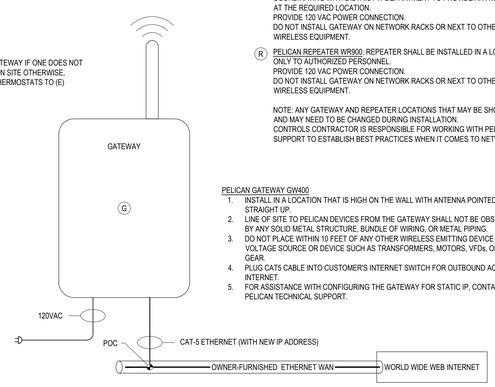
UNOCCUPIED MODE:
1. EXHAUST FAN SHALL BE OFF.

OCCUPIED MODE:
1. EXHAUST FAN SHALL BE ENABLED.
2. ALARM SHALL BE GENERATED IF EXHAUST FAN IS COMMANDED ON AND EXHAUST FAN STATUS IS NOT CONFIRMED.

2 EXHAUST FAN CONTROL SCHEMATIC (EF-1 THRU EF-4)



PROVIDE NEW GATEWAY IF ONE DOES NOT ALREADY EXIST ON SITE OTHERWISE, CONNECT NEW THERMOSTATS TO (E) GATEWAY.

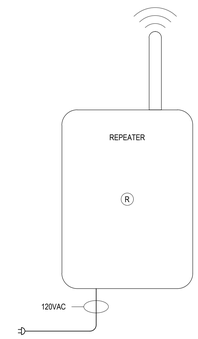


G PELICAN GATEWAY GW400. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH DISTRICT IT DEPARTMENT TO PROVIDE AN AVAILABLE ETHERNET PORT AT THE REQUIRED LOCATION.
PROVIDE 120 VAC POWER CONNECTION.
DO NOT INSTALL GATEWAY ON NETWORK RACKS OR NEXT TO OTHER NETWORK OR WIRELESS EQUIPMENT.

R PELICAN REPEATER WR900. REPEATER SHALL BE INSTALLED IN A LOCATION ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.
PROVIDE 120 VAC POWER CONNECTION.
DO NOT INSTALL GATEWAY ON NETWORK RACKS OR NEXT TO OTHER NETWORK OR WIRELESS EQUIPMENT.

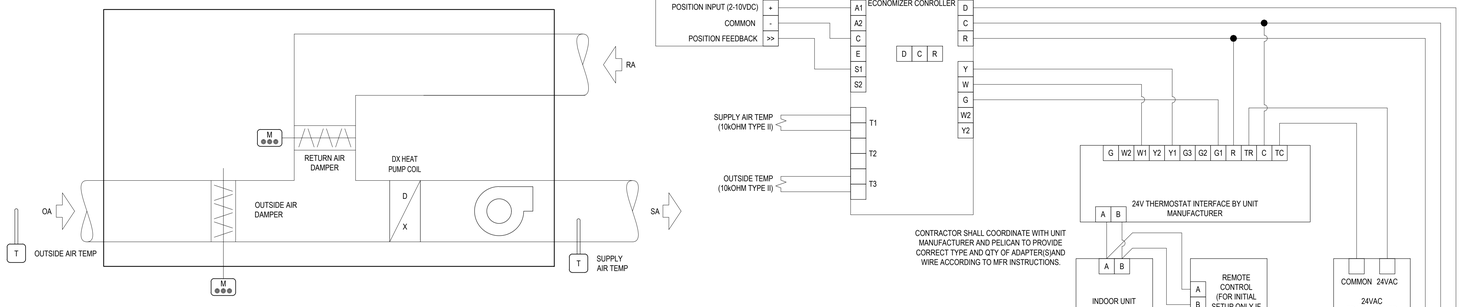
NOTE: ANY GATEWAY AND REPEATER LOCATIONS THAT MAY BE SHOWN ARE PRELIMINARY AND MAY NEED TO BE CHANGED DURING INSTALLATION.
CONTROLS CONTRACTOR IS RESPONSIBLE FOR WORKING WITH PELICAN TECHNICAL SUPPORT TO ESTABLISH BEST PRACTICES WHEN IT COMES TO NETWORK ESTABLISHMENT.

PELICAN GATEWAY GW400
1. INSTALL IN A LOCATION THAT IS HIGH ON THE WALL WITH ANTENNA POINTED STRAIGHT UP.
2. LINE OF SITE TO PELICAN DEVICES FROM THE GATEWAY SHALL NOT BE OBSTRUCTED BY ANY SOLID METAL STRUCTURE, BUNDLE OF WIRING, OR METAL PIPING.
3. DO NOT PLACE WITHIN 10 FEET OF ANY OTHER WIRELESS EMITTING DEVICE OR HIGH VOLTAGE SOURCE OR DEVICE SUCH AS TRANSFORMERS, MOTORS, VFDs, OR SWITCH GEAR.
4. PLUG CAT5 CABLE INTO CUSTOMER'S INTERNET SWITCH FOR OUTBOUND ACCESS TO INTERNET.
5. FOR ASSISTANCE WITH CONFIGURING THE GATEWAY FOR STATIC IP, CONTACT PELICAN TECHNICAL SUPPORT.



PELICAN REPEATER WR900
1. INSTALL IN A LOCATION THAT IS HIGH ON THE WALL WITH ANTENNA POINTED STRAIGHT UP.
2. LINE OF SITE TO PELICAN DEVICES FROM THE GATEWAY SHALL NOT BE OBSTRUCTED BY ANY SOLID METAL STRUCTURE, BUNDLE OF WIRING, OR METAL PIPING.
3. DO NOT PLACE WITHIN 10 FEET OF ANY OTHER WIRELESS EMITTING DEVICE OR HIGH VOLTAGE SOURCE OR DEVICE SUCH AS TRANSFORMERS, MOTORS, VFDs, OR SWITCH GEAR.
4. LOCATE IN SUCH A MANNER THAT IT CAN REACH THE LTE NETWORK OUTSIDE OF THE STRUCTURE.

1 EMS SYSTEM ARCHITECTURE



CONTRACTOR SHALL COORDINATE WITH UNIT MANUFACTURER AND PELICAN TO PROVIDE CORRECT TYPE AND QTY OF ADAPTER(S)AND WIRE ACCORDING TO MFR INSTRUCTIONS.

CONTROL SEQUENCE OF OPERATION

NORMAL OPERATIONS:
OCCUPIED MODE: THE HEAT PUMP SHALL MAINTAIN
1. THERMOSTAT SHALL BE SET TO 68°F (ADJ) ROOM HEAT SET POINT, 72°F (ADJ) COOLING SET POINT, AND FAN TO ON.
2. OUTSIDE AIR DAMPER SHALL OPEN TO MINIMUM AIRFLOW RATE AND RETURN AIR DAMPER SHALL OPEN TO MAXIMUM AIRFLOW RATE (SET BY TAB), SUPPLY FAN SHALL RUN AND BE MODULATED BY EMS.

UNOCCUPIED MODE (NIGHT SETBACK), SCHEDULED FROM PELICAN EMS:
1. UNOCCUPIED SET-BACK ACCORDING TO CUSTOMER COMFORT AND ENERGY STANDARDS.
2. FAN SHALL BE IN STANDBY.
3. HEAT AND COOL SHALL BE OFF AND IN STANDBY.
4. ZONE SET POINT ADJUSTMENT: THE OCCUPANT SHALL BE ABLE TO ADJUST THE TEMPERATURE SET POINT AT EACH THERMOSTAT. USER DEFINABLE LIMITS SHALL BE IN PLACE. INITIAL LIMITS SHALL BE ±2°F.

MORNING START:
1. THE OCCUPIED SCHEDULE SHALL USE OPTIMUM START. ZONE THERMOSTATS SHALL BE SCHEDULED FOR THE TIME WHEN OCCUPANTS NORMALLY ARRIVE AND SHALL AUTO-CALCULATE WHEN TO START THE UNIT TO BRING ROOM TO OCCUPIED TEMPERATURE SET POINTS.
2. AT LEAST ONE HOUR PRIOR TO OCCUPANCY, THERMOSTAT SHALL CALL FOR FAN/ VENTILATION. OUTSIDE DAMPER SHALL OPEN TO MINIMUM POSITION AND RETURN AIR DAMPER SHALL OPEN TO MAXIMUM POSITION (SET BY TAB CONTRACTOR) AND SUPPLY FAN SHALL MODULATE FOR VENTILATION.

HEATING MODE:
1. THERMOSTAT SHALL MONITOR THE ROOM TEMPERATURE. IF THE ROOM TEMPERATURE IS BELOW THE HEAT SET POINT, THERMOSTAT SHALL ENABLE HEAT STAGES TO PROPERLY HEAT THE SPACE. ONCE THE ROOM IS SATISFIED, HEAT SHALL BE DISABLED.
2. DURING HEATING CYCLE, SUPPLY FAN SHALL BE ACTIVE.

COOLING MODE:
1. THERMOSTAT SHALL MONITOR THE ROOM TEMPERATURE. IF THE ROOM TEMPERATURE IS ABOVE THE COOLING SET POINT, THERMOSTAT SHALL ENABLE COOLING STAGES TO PROPERLY COOL THE SPACE. ONCE THE ROOM IS SATISFIED, COOLING SHALL BE DISABLED.
2. DURING COOLING CYCLE, SUPPLY FAN SHALL BE ACTIVE.
3. ECONOMIZER: IF OUTSIDE AIR IS BELOW ROOM TEMPERATURE BY AT LEAST 2°F (ADJ) AND BELOW 72°F, ECONOMIZER CYCLE SHALL BE USED TO COOL ROOM. MECHANICAL COOLING AND ECONOMIZER SHALL BE ALLOWED TO OPERATE TOGETHER WITH A LOW LIMIT MIXED AIR TEMPERATURE OF 56°F (ADJ).

DEMAND VENTILATION:
1. IF THE ROOM CO2 LEVEL RISES ABOVE 800 PPM (ADJ) THE FAN SHALL BE FORCED ON, IF NOT ALREADY ENABLED, AND THE OUTSIDE AIR DAMPER SHALL INCREASE ITS VENTILATION POSITION RELATIVE TO THE CO2 RISE. THE OUTSIDE DAMPER SHALL NOT OPEN BEYOND THE MAXIMUM DAMPER POSITION (SET BY TAB.)

SAFETIES AND ALARMS:
1. FAULTS SHALL ALARM TO THE PELICAN EMS.

NOTES:
1. Y, W, G, W2, Y2 & E ARE 24 VAC BINARY OUTPUTS.
2. ONLY WIRE (D) WIRE BETWEEN PELICAN CONTROLLERS AS SHOWN. DO NOT WIRE TO ANY OTHER DEVICES TO THE (D) TERMINALS UNLESS SHOWN ON THE DIAGRAM.
3. CONTROLLER SHALL BE INSTALLED INSIDE CONTROL PANEL.
4. THERMOSTAT SHALL BE INSTALLED IN SPACE WHERE SYSTEM IS SUPPLYING AIR. LOCATION SHALL PROPERLY REPRESENT THE TEMPERATURE OF THE ENTIRE ZONE. THERMOSTAT SHALL BE MOUNTED AT 48" A.F.F. THERMOSTAT LOCATION SHALL BE FREE OF CAVITIES ALLOWING AIR DRAFTS AFFECTING READINGS.
5. ALL TEMPERATURE PROBES SHALL BE 10K OHM TYPE 2.
6. ONLY WIRE ONE (1) WIRE PER TERMINAL ON EACH PELICAN DEVICE. USE WIRE NUTS WHERE REQUIRED.
7. A SINGLE COMMON TRANSFORMER MAY BE USED FOR ALL CONTROLS.
8. A1 & A2 ARE 0-10 VDC ANALOG OUTPUTS.

CONFIGURATIONS:
TC3 (THERMOSTAT)
NAME: (ROOM NAME)
DESCRIPTION: (FC-XX)
SYSTEM TYPE: HEAT PUMP
HEAT STAGES: 2
REV VALVE: (SET ACCORDINGLY)
AUX HEAT: (SET ACCORDINGLY)
COOL STAGES: 2
FAN STAGES: 1
HEAT NEEDS FAN: YES

TEMPERATURE SETTINGS:
(LEAVE DEFAULTS)
THERMOSTAT OPERATION:
(LEAVE DEFAULTS)

ECONOMIZER: ON
AUTO CONFIGURE: NO
HIGH LIMIT: AUTO
ACTIVE DIFFERENTIAL: 2°F
VARIABLE DAMPER: YES
DAMPER VOLTAGES:
OPEN: 10.0 VDC
CLOSE: 2.0 VDC
MINIMUM POSITION: (SET BY TAB)
TRACK DAMPER POSITION: YES
DEMAND VENTILATION: YES
MAXIMUM POSITION: (SET BY TAB)

VARIABLE SPEED FAN: OFF

INPUT SENSOR T1 = ON
FUNCTION: SUPPLY TEMPERATURE

INPUT SENSOR T2 = OFF

INPUT SENSOR T3 = ON
FUNCTION: OUTSIDE TEMPERATURE

CONTRACTOR SUPPLIED FIELD DEVICES:
PELICAN TC3 (TEMP & CO2 THERMOSTAT)
PELICAN PEARL (ECONOMIZER CONTROL)

3 HEAT PUMP FAN COIL UNIT CONTROL SCHEMATIC (FC-1 TO FC-17) (TYP OF 17)

SCOPE OF WORK:

PROVIDE NEW CAMPUS WIDE PELICAN CONTROL SYSTEM. HVAC SYSTEMS WILL BE CONTROLLED AS DESCRIBED IN THE INDIVIDUAL CONTROL SEQUENCES. CONTRACTOR IS RESPONSIBLE FOR PROGRAMMING AND INITIAL SETUP.

CONTRACTOR SHALL PROVIDE NEW CONTROLLERS, THERMOSTATS, SENSORS AND WIRING FOR CONTROLS WORK. PROVIDE AS-BUILT WIRING DIAGRAM AND LABEL ALL INSTALLED WIRING AT EACH END OF CABLE.

CONTROL SYSTEM SHALL COMMUNICATE ACROSS A WIRELESS MESH NETWORK. CAMPUS GATEWAY SHALL BE WIRED TO AN ETHERNET PORT. ALL WIRELESS CONTROL DEVICES SHALL ACT AS WIRELESS REPEATERS. ADDITIONAL WIRELESS REPEATERS SHALL BE PROVIDED TO BRIDGE COMMUNICATIONS BETWEEN BUILDINGS.

GENERAL NOTES

1. THESE CONTROL DRAWINGS ARE DIAGRAMMATIC AND DO NOT DEPICT ALL CONTROL WIRES, RELAYS OR COMPONENTS OF A COMPLETE SYSTEM. IT IS THE RESPONSIBILITY OF THE TEMPERATURE CONTROLS CONTRACTOR TO PROVIDE A COMPLETE AND FUNCTIONAL CONTROL SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTROLS CONTRACTOR SHALL HAVE THE RESPONSIBILITY AS THE EXPERT IN THE PROPER APPLICATION OF CONTROL COMPONENTS AND DDC SYSTEMS. THE FINAL DESIGN, INSTALLATION, AND OPERATION OF THE CONTROL SYSTEM IS THE RESPONSIBILITY OF THE CONTROLS CONTRACTOR. CONTROLS CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING AND DETERMINE THE REQUIRED NUMBER OF CONTROL PANELS AND OPTIMAL LOCATION FOR EACH.
3. THE CONTROLS CONTRACTOR SHALL MAKE ADDITIONS AND/OR MODIFICATIONS TO THE SEQUENCE OF OPERATION AS REQUIRED AT NO ADDITIONAL COST. CONTROLS CONTRACTOR SHALL WORK WITH THE MECHANICAL ENGINEER AND OBTAIN APPROVAL FOR ANY NECESSARY REVISIONS.
4. CONTROLS CONTRACTOR SHALL COORDINATE EXACT REQUIREMENT FOR CONTROL HARDWARE WITH ALL ASSOCIATED TRADES AND OWNER. REFER TO DRAWINGS FOR PRELIMINARY OPERATING SEQUENCES.
5. CONTROLS CONTRACTOR SHALL SUBMIT DETAILED SEQUENCES FOR ENGINEER'S REVIEW AND APPROVAL.
6. CONTROLS CONTRACTOR SHALL PROVIDE ALL CONTROLS, WIRING DIAGRAMS, "AS-BUILT" DRAWINGS, SYSTEM START-UP, AND PROGRAMMING.
7. CONTROLS CONTRACTOR TO PROVIDE THE GATEWAY, REPEATERS, UPS POWER SUPPLIES, TEMPERATURE CONTROL PANELS, AND ALL LOCAL CONTROL DEVICES FOR ALL EQUIPMENT AS REQUIRED.
8. CONTROLS CONTRACTOR TO PROVIDE ALL TEMPERATURE WIRING FOR ALL TEMPERATURE CONTROL WORK.
9. PROVIDE EMT CONDUIT AND JUNCTION BOXES FOR ALL TEMPERATURE CONTROL WORK RUNNING IN WALL SPACES.
10. PROVIDE RIGID CONDUIT FOR ALL EXTERIOR TEMPERATURE CONTROL WORK.
11. USE PLENUM RATED CABLE AND "J" HOOKS FOR ALL ABOVE CEILING AND FURRED SPACE TEMPERATURE CONTROL WORK.

GENERAL SYSTEM OPERATION AND MONITORING:
1. THE SYSTEM SHALL BE OPERATED AND MONITORED THROUGH SITE SPECIFIC WEB-BASED SYSTEM.
2. ALL SET POINTS AND ALARMS SHALL BE AVAILABLE TO THE FACILITIES STAFF FROM THE WEB-BASED SYSTEM.
3. THE ENTIRE SYSTEM INCLUDING THE SELF CONTAINED CONTROLS AT THE AIR HANDLING UNIT SHALL BE MONITORED, ADJUSTABLE, AND CONTROLLABLE FROM THE BUILDING AUTOMATION SYSTEM TO THE EXTENT PERMITTED BY THE EXISTING EQUIPMENT MANUFACTURER'S CONTROLLERS.
4. ALL CONTROL SYSTEMS SHALL BE TUNED AND ADJUSTED TO MEET THE DESIGN CONDITIONS AND FOR STABLE OPERATION WITHOUT HUNTING.
5. CONTRACTOR SHALL COORDINATE WITH DISTRICT REPRESENTATIVE FOR NETWORK SETTINGS, OCCUPANCY SCHEDULES, SET POINTS, SET BACKS, ETC.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

REGISTERED PROFESSIONAL ENGINEER
MEIN SERTUNG
No. M31059
EXP. JUNE 30, 2027
MECHANICAL
STATE OF CALIFORNIA

CEG JOB NO: 25282
CYPRESS Engineering Group
HVAC, Plumbing, Fire Protection
Building Commissioning
Industrial Refrigeration
Energy Auditing
Training & Technical Support
831.218.1802
8 Harris Court, Suite A8
Monterey, CA 93940
cypresseg.com

CONTROLS - MECHANICAL

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: JL
CHECKED BY: CS
PROJECT NO: 25042
DATE: 04/21/2026

MP5.1

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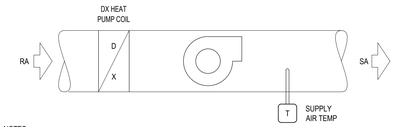
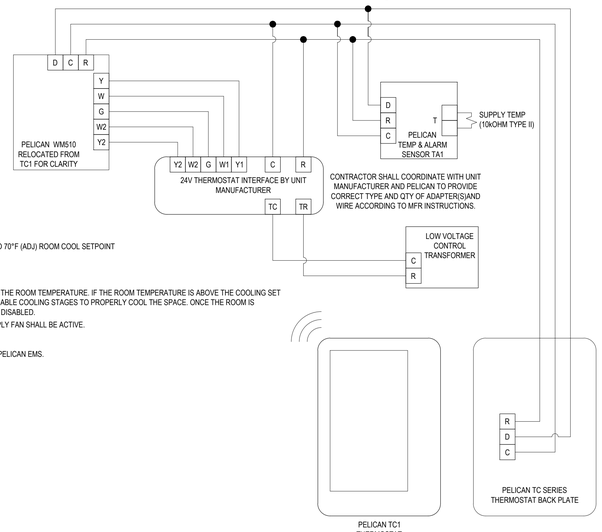




NOTES:

1. Y, W, G, W2, Y2 & E ARE 24 VAC BINARY OUTPUTS.
2. ONLY WIRE (D) WIRE BETWEEN PELICAN CONTROLLERS AS SHOWN. DO NOT WIRE TO ANY OTHER DEVICES TO THE (D) TERMINALS UNLESS SHOWN ON THE DIAGRAM.
3. CONTROLLER SHALL BE INSTALLED INSIDE CONTROL PANEL.
4. THERMOSTAT SHALL BE INSTALLED IN SPACE WHERE SYSTEM IS SUPPLYING AIR. LOCATION SHALL PROPERLY REPRESENT THE TEMPERATURE OF THE ENTIRE ZONE. THERMOSTAT SHALL BE MOUNTED AT 48" A.F.F. THERMOSTAT LOCATION SHALL BE FREE OF CAVITIES ALLOWING AIR DRAFTS AFFECTING READINGS.
5. ALL TEMPERATURE PROBES SHALL BE 10K OHM TYPE 2.
6. ONLY WIRE ONE (1) WIRE PER TERMINAL ON EACH PELICAN DEVICE. USE WIRE NUTS WHERE REQUIRED.
7. CONTRACTOR SUPPLIED, THIRD PARTY FIELD INSTALLED 24VAC TRANSFORMER. A SINGLE COMMON TRANSFORMER CAN BE USED FOR ALL CONTROLS.

CONFIGURATIONS:
TC1 (THERMOSTAT)
NAME: (ROOM NAME)
DESCRIPTION: (EQUIPMENT TAG)

SYSTEM TYPE: CONVENTIONAL
HEAT STAGES: 2
COOL STAGES: 2
FAN STAGES: 1
HEAT NEEDS FAN: YES

TEMPERATURE SETTINGS:
HEAT RANGE: 56° TO 72°
COOL RANGE: 68° TO 86°
THERMOSTAT OPERATION:
(LEAVE DEFAULTS)

WIRED SENSOR:
FUNCTION: SUPPLY TEMPERATURE
LABEL: SUPPLY
PROBE TYPE: EXTERNAL

NOTIFICATION SETTINGS:
SENSITIVITY: CUSTOM
SETPONT DEVIATION: 5°
NOTIFY IF UNREACHABLE: YES

CONTRACTOR SUPPLIED FIELD DEVICES:
PELICAN TC1 (THERMOSTAT)
PELICAN TA1 (TEMP & ALARM SENSOR)
PELICAN PROBE-T1 (STSL TEMP PROBE)
CONTROL TRANSFORMER

CONTROL SEQUENCE OF OPERATION

NORMAL OPERATIONS:

OCCUPIED MODE (24/7):

1. THERMOSTAT SHALL BE SET TO 70°F (ADJ) ROOM COOL SETPOINT

   AND FAN TO AUTO.

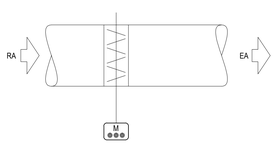
COOLING MODE:

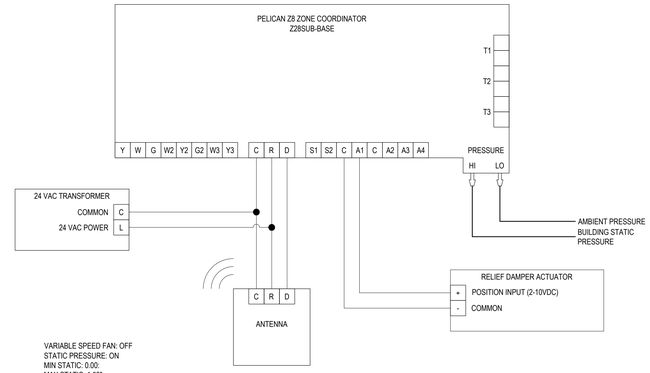
1. THERMOSTAT SHALL MONITOR THE ROOM TEMPERATURE. IF THE ROOM TEMPERATURE IS ABOVE THE COOLING SET POINT, THERMOSTAT SHALL ENABLE COOLING STAGES TO PROPERLY COOL THE SPACE. ONCE THE ROOM IS SATISFIED, COOLING SHALL BE DISABLED.
2. DURING COOLING CYCLE, SUPPLY FAN SHALL BE ACTIVE.

SAFETIES AND ALARMS:

1. FAULTS SHALL ALARM TO THE PELICAN EMS.

2 DUCTLESS SPLIT SYSTEM HEAT PUMP CONTROL SCHEMATIC (FC-18)





NOTES:

1. A1, A2, A3 & A4 ARE 0-10 VDC ANALOG OUTPUTS.
2. Y, W, G, W2, Y2, W3 & Y3 ARE 24 VAC BINARY OUTPUTS.
3. ALL COMMON (C) TERMINALS ARE INTERNALLY CONNECTED.
4. ONLY WIRE (D) WIRE BETWEEN PELICAN CONTROLLERS AS SHOWN. DO NOT WIRE TO ANY OTHER DEVICES TO THE (D) TERMINALS UNLESS SHOWN ON THE DIAGRAM.
5. (R1) ARE 24 VAC ISOLATION RELAYS. INSTALL NEW AS NEEDED UPON FIELD REVIEW AND TO MEET APPLICATION REQUIREMENTS.
6. CONTROLLER SHALL BE INSTALLED INSIDE CONTROL PANEL.
7. ANTENNA SHALL BE INSTALLED OUTSIDE CONTROLS PANEL AND OUTSIDE OF ALL METAL ENCLOSURES. ANTENNA SHALL BE AWAY FROM METAL OBJECTS THAT MAY BLOCK WIRELESS SIGNAL. ANTENNA MUST BE INSTALLED IN A LOCATION WHERE IT CAN CONNECT AND COMMUNICATE WITH THE PELICAN WIRELESS MESH NETWORK.
8. ALL TEMPERATURE PROBES SHALL BE 10K OHM TYPE 2.
9. ONLY WIRE ONE (1) WIRE PER TERMINAL ON EACH PELICAN DEVICE. USE WIRE NUTS WHERE REQUIRED.
10. A SINGLE COMMON TRANSFORMER MAY BE USED FOR ALL CONTROLS.

CONFIGURATIONS:
Z8 (AHU CONTROLLER)
NAME: (ROOM NAME)
DESCRIPTION: RH-1

SYSTEM TYPE: CONVENTIONAL
HEAT STAGES: 0
COOL STAGES: 0
FAN STAGES: 1
HEAT NEEDS FAN: NO

ADVANCED SETTINGS
BUILDING STATIC CONTROL: ON
MODULATE TYPE: DAMPER
ACTUATOR
CONTROL VOLTAGES:
OPEN: 10.0 VDC
CLOSE: 2.0 VDC
MAX STATIC: 0.03"
START EXHAUST FIRST (G2): NO

VARIABLE SPEED FAN: OFF
STATIC PRESSURE: ON
MIN STATIC: 0.00:
MAX STATIC: 1.50"

ECONOMIZER: OFF

INPUT T1: OFF

INPUT T2: OFF

INPUT T3: OFF

CONTRACTOR SUPPLIED FIELD DEVICES:
PELICAN Z8 CONTROLLER

SEQUENCE OF OPERATIONS:

1. THE BUILDING PRESSURE SHALL BE MONITORED BY THE EMS.
2. IF THE ROOM PRESSURE EXCEEDS 0.03" W.C. (ADJ) THE RELIEF DAMPER SHALL BE MODULATED BY EMS TO MAINTAIN 0.03" W.C.

1 RELIEF AIR DAMPER (RH-1) (TYP OF 18)

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STATE OF CALIFORNIA

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CONTROLS - MECHANICAL

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY: JL
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PROJECT NO: 25042
DATE: 04/21/2026

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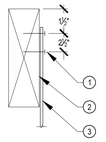
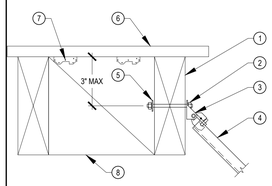


DETAIL 12.1

DETAIL NOTES:

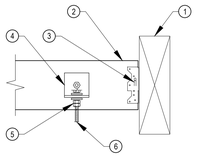
1. #10 x 2" WOOD SCREW, TYP OF 2.
2. WOOD FRAMING OR 4x6 BLOCKING.
3. 1" X 20 GA. SHEET METAL STRAP. 100 LBS MAX. LOAD.



DETAIL 12.2

DETAIL NOTES:

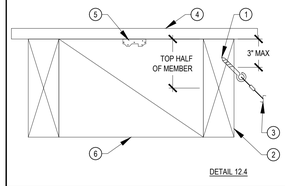
1. WOOD FRAMING.
2. 1/2"Ø MACHINE BOLT THROUGH CENTERLINE OF MEMBER.
3. B-LINE FIGURE 980 UNIVERSAL.
4. P1000. MAX LENGTH: 48".
5. WASHER.
6. ROOF PLY.
7. 2-A35 W/ SIMPSON PH612I WOOD SCREWS.
8. 2X BLOCKING W/ HU EA END AND WITHIN 6" OF BRACE.



DETAIL 12.3

DETAIL NOTES:

1. WOOD FRAMING.
2. 4x6 BLOCKING.
3. SIMPSON A35 HANGERS (ICC-ES ESR-3096), EACH SIDE, EACH END.
4. L3X3X1/4 X 0'-3" ANGLE. ATTACH TO BLOCKING W/ 5/8"Ø MACHINE BOLT. BOLT THROUGH CENTER OF MEMBER. PROVIDE WASHER ON WOOD SIDE.
5. ATTACH ROD TO ANGLE WITH DOUBLE NUTS AND WASHER.
6. 3/8"Ø MIN. HANGER ROD. 100 LBS MAX. LOAD.

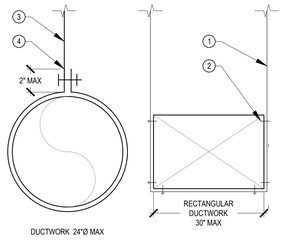


DETAIL 12.4

DETAIL NOTES:

1. 1/4" EYE SCREW WITH 1 1/2" MIN THREAD EMBEDMENT.
2. WOOD FRAMING.
3. GRIPPLE CABLE, 100 LBS MAX. LOAD.
4. ROOF PLY.
5. A35 W/ SIMPSON PH612I WOOD SCREWS.
6. 2X BLOCKING W/ HU EA END AND WITHIN 6" OF BRACE.

12 TOP CONNECTIONS N.T.S.



DUCTWORK 24"Ø MAX

DETAIL NOTES:

1. 1"x16 GA HANGER STRAP, LENGTH AS REQUIRED, TYP. 100 LBS MAX PER STRAP. SEE 12.1/MP6.1 FOR TOP CONNECTION.
2. #10 SMS, TYP.
3. 1-1/2"x 16 GA HANGER STRAP W/ 3/8"Ø BOLT, NUT AND STAR WASHER, TYP. 100 LBS MAX PER STRAP. SEE 12.1/MP6.1 FOR TOP CONNECTION.

NOTE:
1. HANGER SPACING SHALL BE PER TABLES BELOW AND WITHIN 2 FT FROM ALL CHANGES IN DIRECTION.
2. DUCTWORK SHALL BE BRACED IN ACCORDANCE WITH 10/MP6.1 AND 11/MP6.1.

RECTANGULAR DUCT HANGERS (MINIMUM SIZE)

MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT SPACING		PAIR AT 8 FT SPACING		PAIR AT 5 FT SPACING		PAIR AT 4 FT SPACING	
	STRAP	WIRE / ROD	STRAP	WIRE / ROD	STRAP	WIRE / ROD	STRAP	WIRE / ROD
P/ 2 = 30"	1" x 22 GA	10 GA	1" x 22 GA	10 GA	1" x 22 GA	12 GA	1" x 22 GA	12 GA
P/ 2 = 72"	1" x 18 GA	3/8"	1" x 20 GA	1/4"	1" x 22 GA	1/4"	1" x 22 GA	1/4"

WHEN STRAPS ARE LAP JOINED, USE THESE MINIMUM FASTENERS		SINGLE HANGER MAXIMUM ALLOWABLE LOAD			
STRAP	FASTENER(S)	STRAP	MAX LOAD	WIRE OR ROD Ø	MAX LOAD
1" x 18 GA	(2) #10 OR (1) 1/4" Ø BOLT	1" x 22 GA	260 LBS	0.106"	80 LBS
1" x 20 GA				0.135"	120 LBS
1" x 22 GA				1/4"Ø	270 LBS
				3/8"Ø	680 LBS

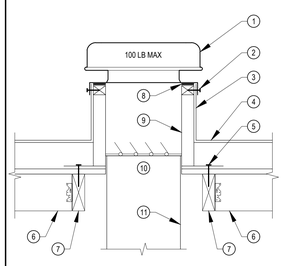
1. DIMENSIONS OTHER THAN GAGE ARE IN INCHES.
2. TABLES ALLOW FOR DUCT WEIGHT, 1 LB/SF INSULATION WEIGHT, AND NORMAL REINFORCEMENT AND TRAPEZE WEIGHT, BUT NO EXTERNAL LOADS.
3. STRAPS ARE GALVANIZED STEEL; OTHER MATERIALS ARE UNCOATED STEEL.
4. ALLOWABLE LOADS FOR P/2 ASSUME THAT DUCTS ARE 16 GA MAXIMUM, EXCEPT THAT WHEN MAXIMUM DUCT DIMENSION (W) IS OVER 60" THEN P/2 MAXIMUM IS 1.25 W.
5. 12, 10, OR 8 GA WIRE IS STEEL OF BLACK ANNEALED, BRIGHT BASIC, OR GALVANIZED TYPE.

ROUND DUCT HANGERS (MINIMUM SIZE)

ROUND DIAMETER	MAX SPACING	WIRE	ROD	STRAP
0" - 10"	12'	(1) 12 GA	1/4"	1" x 22 GA
11" - 18"	12'	(2) 12 GA	1/4"	1" x 22 GA
19" - 24"	12'	(2) 10 GA	1/4"	1" x 22 GA

1. STRAPS ARE GALVANIZED STEEL; RODS ARE UNCOATED OR GALVANIZED STEEL; WIRE IS BLACK ANNEALED, BRIGHT BASIC, OR GALVANIZED STEEL. ALL ARE ALTERNATIVES.
2. TABLES ALLOW FOR CONVENTIONAL WALL THICKNESS, AND JOINT SYSTEMS PLUS 1 LB/SF INSULATION WEIGHT. IF HEAVIER DUCTS ARE TO BE INSTALLED, ADJUST HANGER SIZES TO BE WITHIN THEIR LOAD LIMITS; SEE ALLOWABLE LOADS WITH RECTANGULAR DUCT HANGERS TABLE ABOVE. HANGER SPACING MAY BE ADJUSTED BY SPECIAL ANALYSIS.

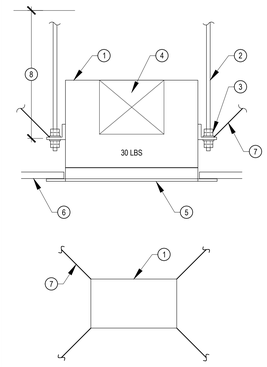
9 VERTICAL DUCT SUPPORT N.T.S.



DETAIL NOTES:

1. ROOF HOOD. SEE PLANS FOR LOCATIONS.
2. SECURE ROOF HOOD TO ROOF CURB WITH #12 WOOD SCREWS INSTALLED AT CENTERLINE OF BLOCKING, AT 12" ON CENTER, MIN. 2" PENETRATION INTO WOOD. MIN. (2) SCREWS PER SIDE.
3. SEE ARCHITECTURAL DRAWINGS FOR ROOFING AND FLASHING.
4. ROOF DECK.
5. 3/8"Ø LAG SCREW THRU CURB AND ROOF WITH 3" MINIMUM EMBEDMENT INTO BLOCKING. LAG SCREW TO BE INSTALLED AT CENTERLINE OF BLOCKING.
6. ROOF FRAMING.
7. 2X BLOCKING WITH A35 HANGER EACH SIDE EACH END.
8. SEALING GASKET.
9. ROOF CURB WITH WOOD NAILER.
10. MOTORIZED DAMPER ON RELIEF HOOD.
11. DUCT.

7 ROOF HOOD MOUNTING

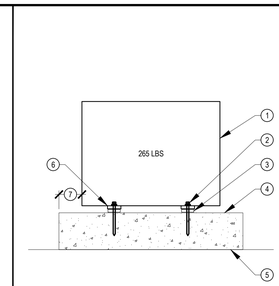


BRACING LOCATIONS - PLAN VIEW

DETAIL NOTES:

1. EXHAUST FAN. SEE PLANS FOR LOCATIONS.
2. 3/8"Ø THREADED ROD, (TYP. OF 4) SEE 12/MP6.1 FOR TOP CONNECTION.
3. FACTORY-SUPPLIED BRACKETS. PROVIDE DOUBLE NUTS WITH LOCKWASHER AT TOP AND BOTTOM OF FLANGE WITH FACTORY ISOLATION KIT. REFER TO AND FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS AND PROVIDE ALL NECESSARY HARDWARE.
4. DUCTWORK. CONNECT TO FAN WITH FLEX CONNECTOR. SEE FLOOR PLANS FOR SIZES.
5. FACTORY GRILLE.
6. CEILING ASSEMBLY. SEE ARCHITECTURAL DRAWINGS.
7. 12 GAUGE BRACING WIRE AT EACH CORNER AT 45°. SEE 12/MP6.1 FOR TOP CONNECTION.
8. MAX ROD LENGTH 12.7" WITHOUT STIFFENER. FOR LONGER LENGTHS, SEE 13/MP6.1 FOR ROD STIFFENER.

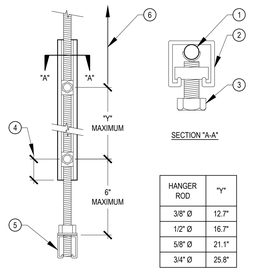
4 CEILING EXHAUST FAN DETAIL N.T.S.



DETAIL NOTES:

1. HEAT PUMP. SEE PLANS FOR LOCATIONS.
2. 3/8" Ø SIMPSON STRONG-BOLT 2 STAINLESS STEEL WEDGE ANCHOR THRU FACTORY MOUNTING LEG AND NEOPRENE ISOLATOR PAD. MINIMUM 2-7/8" NOMINAL EMBEDMENT INTO CONCRETE HOUSEKEEPING PAD. SEE SECTION 2.10 ON SHEET S0.2 FOR ICC ESR # AND REQUIRED TORQUE. TYP. OF (4).
3. 3/4" THICK NEOPRENE ISOLATOR PADS (TYP. OF 4).
4. CONCRETE HOUSEKEEPING PAD. SEE ARCHITECTURAL DRAWINGS.
5. GROUND.
6. FACTORY MOUNTING LEG.
7. MIN 6" ALL AROUND.

1 HEAT PUMP MOUNTING N.T.S.



SECTION "A-A"

HANGER ROD	"Y"
3/8" Ø	12.7"
1/2" Ø	16.7"
5/8" Ø	21.1"
3/4" Ø	25.8"

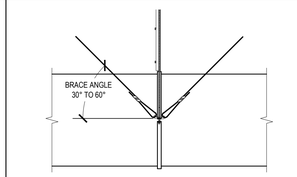
DETAIL NOTES:

1. HANGER ROD.
2. UNISTRUT P1000 VERTICAL STIFFENER
3. UNISTRUT P2486 VERTICAL STIFFENER
4. 2" MAXIMUM FROM END, TYP.
5. TRAPEZE OR HANGER, TYP.
6. 6" MAXIMUM TO TOP CONNECTION.

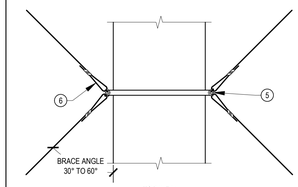
NOTE:

1. VERTICAL STIFFENER NOT REQUIRED IF TOTAL ROD LENGTH DOES NOT EXCEED THE "Y" DIMENSION.
2. MINIMUM OF STIFFENER ASSEMBLY CLAMPS AS REQUIRED BY MANUFACTURER.

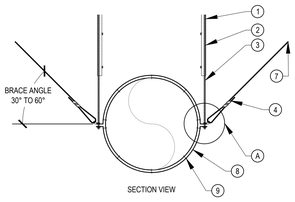
13 ROD STIFFENER N.T.S.



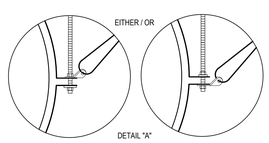
SIDE VIEW



TOP VIEW



SECTION VIEW



DETAIL "A"

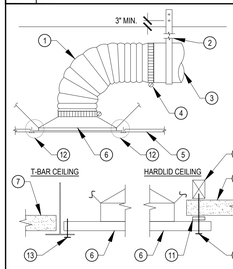
DUCTWORK UP TO 24"Ø MAX. WT. = 5 LB/FT

DETAIL NOTES:

1. SEE 12.3/MP6.1 FOR ROD TOP CONNECTION TO BUILDING FRAMING.
2. ROD STIFFENER. SEE 13/MP6.1.
3. 3/8"Ø HANGER ROD, ATTACHED TO 1"x12 GA STRAP W/ 3/8"Ø NUT TOP AND BOTTOM AND 1-5/8" x 1/4" THICK SQUARE WASHER.
4. GRIPPLE GS10, 5/64"Ø (7x7) CABLE WITH GRIPPLE GSE4 EYELET END.
5. GRIPPLE SEISMIC STANDARD (GSS4) OR RETROFIT BRACKET (GSR4) WITH BOLT HOLE TO MATCH THREADED ROD DIAMETER.
6. GRIPPLE LOOP THROUGH A GRIPPLE SEISMIC STANDARD (GSS4) OR RETROFIT BRACKET (GSRA.)
7. ATTACH BRACING WIRE TO STRUCTURE PER DETAIL 12/MP6.1.
8. (2) 2-1/2" x 12 GAUGE SHEET METAL STRAPS
9. #10 x 1" SELF-TAPPING SMS, MAX 12" O.C. MIN. 10 SCREWS PER DUCT

NOTES:
1. INSTALL CABLE ASSEMBLIES WITH 4-WAY BRACE ANGLES IN ACCORDANCE WITH SECTION 1.4.3 OF THE GRIPPLE SEISMIC INSTALLATION MANUAL.
2. ANCHOR CABLE ASSEMBLIES TO STRUCTURE PER SECTION 4 OF THE GRIPPLE SEISMIC INSTALLATION MANUAL, AND AS REQUIRED BY DESIGN.
3. TIGHTEN CABLES TO REMOVE SLACK.
4. FOR GS25 TWO BRACKETS MUST BE USED AT END FITTINGS TO CABLE (SEE SECTION 3.3.1 OF THE GRIPPLE SEISMIC INSTALLATION MANUAL).
5. LEAVE A 2" TAG EXTENDING OUT OF THE GRIPPLE SEISMIC FASTENER FOR FUTURE ADJUSTMENTS.
6. ENSURE LOCKING SCREWS ARE FULLY INSTALLED INTO THE GRIPPLE SEISMIC FASTENER ON COMPLETION OF INSTALLATION.
7. BRACE DUCTWORK MINIMUM EVERY 25'-0"

10 UP TO 24"Ø ROUND DUCT SUPPORT AND 4-WAY BRACING - FOR USE WHEN HANGER ROD LENGTH EXCEEDS 12" (IAPMO ER-577) N.T.S.

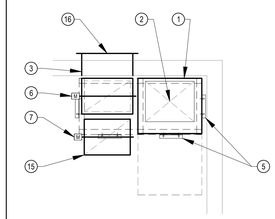


NOTES:
1. ALL CEILING MOUNTED AIR TERMINALS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEM BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED.
2. CEILING MOUNTED AIR TERMINALS WEIGHING LESS THAN OR EQUAL TO 20 LBS. SHALL HAVE ONE (1) #12 GAGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL TO THE STRUCTURE.
3. SEE 12/MP6.1 FOR TOP CONNECTIONS.

DETAIL NOTES:

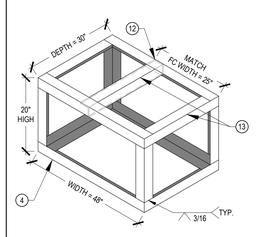
1. FLEX DUCT @ CEILINGS (5'-0" MAX LENGTH).
2. HANGER STRAP. SECURE TO STRUCTURE ABOVE WITH (2) #10X2" WOOD SCREWS PER 12/MP6.1.
3. METAL DUCT.
4. 3/8" BAND ON DUCT COLLARS, (TYP.).
5. CEILING.
6. REGISTER. 20 LBS MAX.
7. T-BAR CEILING.
8. 4x4 BLOCKING W/ A35 EA SIDE EA END ABOVE CEILING, TYP.
9. HARDLID CEILING.
10. #8 WOOD SCREW W/ 2" MIN PENETRATION INTO WOOD BLOCKING. (3) PER SIDE MINIMUM.
11. GASKET.
12. SEE ENLARGED VIEWS FOR T-BAR VS HARDLID CEILING.
13. #10 x 1-1/4" SMS ATTACHED TO T-BAR AND REGISTER FRAME. MIN. 4 ATTACHMENTS.

8 REGISTER DETAIL - CEILING MOUNTED N.T.S.

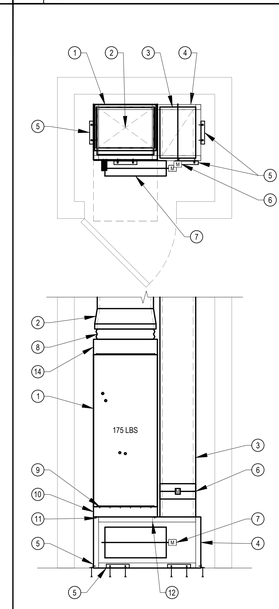


DETAIL NOTES:

1. FAN COIL. SEE PLANS FOR LOCATION.
2. SUPPLY DUCT FROM FAN COIL. SEE MP4.2 FOR SIZES.
3. RETURN AIR DUCT (BEHIND) DOWN TO MIXING PLENUM. SEE MP4.2 FOR SIZES.
4. CONTINUOUS RETURN/OUTSIDE AIR MIXING PLENUM WITH 2"X2"X1/4" ANGLE IRON FRAME, ALL WELDED, MITERED CORNERS. PROVIDE WITH 1/2" ACOUSTIC LINING. COVER WITH 20 GAUGE SHEET METAL.
5. 2" x 2" x 1/4" THICK x 9" LONG GALV STEEL ANGLE, TOTAL OF (4). ATTACH ANGLE TO FLOOR WITH (2) 3/8"Ø SIMPSON STRONG-BOLT 2 @ 6" O.C. CENTERED W/ MIN 2-7/8" NOMINAL EMBEDMENT. SEE SECTION 2.10 ON SHEET S0.2 FOR ICC ESR # AND REQUIRED TORQUE. ATTACH MIXING PLENUM TO STEEL ANGLE WITH (2) #10 SELF-TAPPING SELF-DRILLING SCREWS.
6. MOTORIZED RETURN AIR DAMPER ON RETURN DUCT (BEHIND).
7. MOTORIZED OUTSIDE AIR DAMPER ON OUTSIDE AIR DUCT (FRONT).
8. FLEX CONNECTOR.
9. SECURE FAN COIL TO FILTER BOX WITH #14 x 3/4" SHEET METAL SCREWS AT 4" O.C. ALL AROUND.
10. 2" FILTER BOX WITH HINGED ACCESS PANEL AND TOOL-LESS ENTRY. SEAL ALL AROUND WITH 1/2" NEOPRENE GASKET. ENSURE REFRIGERANT AND CONDENSATE PIPES DO NOT BLOCK FILTER ACCESS. MAINTAIN MIN. 24" CLEAR IN FRONT OF FILTER BOX FOR FILTER ACCESS.
11. SECURE FILTER BOX TO MIXING PLENUM WITH (4) 1/2" A307 BOLTS, W/ (2) BOLTS ON CORNERS ON OPPOSITE SIDES W/ MIN. EDGE DISTANCE OF 2".
12. LOCATE INTERMEDIATE ANGLE IRON ON MIXING AIR PLENUM TO ALIGN WITH SIDE OF FAN COIL.
13. ALIGN WITH LEFT AND RIGHT SIDES OF FAN COIL.
14. ELECTRIC HEATER.
15. OUTSIDE AIR DUCT (FRONT) FROM IH-2 ON ROOF DOWN TO MIXING PLENUM. SEE MP4.2 FOR SIZES.
16. HIGH SIDEWALL RETURN REGISTER. SEE FLOOR PLANS FOR SIZE.



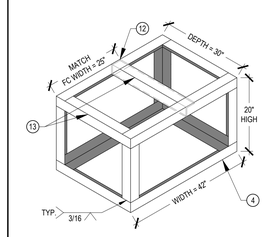
5 UPFLOW FAN COIL MOUNTING - FC-9



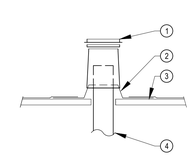
DETAIL NOTES:

1. FAN COIL. SEE PLANS FOR LOCATION.
2. SUPPLY DUCT FROM FAN COIL. SEE MP4.2 FOR SIZES.
3. RETURN DUCT DOWN TO MIXING PLENUM. SEE MP4.2 FOR SIZES.
4. CONTINUOUS RETURN/OUTSIDE AIR MIXING PLENUM WITH 2"X2"X1/4" ANGLE IRON FRAME, ALL WELDED, MITERED CORNERS. PROVIDE WITH 1/2" ACOUSTIC LINING. COVER WITH 20 GAUGE SHEET METAL.
5. 2" x 2" x 1/4" THICK x 9" LONG GALV STEEL ANGLE, TOTAL OF (4). ATTACH ANGLE TO FLOOR WITH (2) 3/8"Ø SIMPSON STRONG-BOLT 2 @ 6" O.C. CENTERED W/ MIN 2-7/8" NOMINAL EMBEDMENT. SEE SECTION 2.10 ON SHEET S0.2 FOR ICC ESR # AND REQUIRED TORQUE. ATTACH MIXING PLENUM TO STEEL ANGLE WITH (2) #10 SELF-TAPPING SELF-DRILLING SCREWS.
6. MOTORIZED RETURN AIR DAMPER ON RETURN DUCT.
7. 24 x 12 MOTORIZED OUTSIDE AIR DAMPER ON FRONT OF MIXING PLENUM. LOCATE TO ALIGN WITHIN DOOR OPENING.
8. FLEX CONNECTOR.
9. SECURE FAN COIL TO FILTER BOX WITH #14 x 3/4" SHEET METAL SCREWS AT 4" O.C. ALL AROUND.
10. 2" FILTER BOX WITH HINGED ACCESS PANEL AND TOOL-LESS ENTRY. SEAL ALL AROUND WITH 1/2" NEOPRENE GASKET. ENSURE REFRIGERANT AND CONDENSATE PIPES DO NOT BLOCK FILTER ACCESS. MAINTAIN MIN. 24" CLEAR IN FRONT OF FILTER BOX FOR FILTER ACCESS.
11. SECURE FILTER BOX TO MIXING PLENUM WITH (4) 1/2" A307 BOLTS, W/ (2) BOLTS ON CORNERS ON OPPOSITE SIDES W/ MIN. EDGE DISTANCE OF 2".
12. LOCATE INTERMEDIATE ANGLE IRON ON MIXING AIR PLENUM TO ALIGN WITH SIDE OF FAN COIL.
13. ALIGN WITH LEFT AND RIGHT SIDES OF FAN COIL.
14. ELECTRIC HEATER.

NOTE:
1. RETURN DUCT IS SHOWN TO THE RIGHT OF THE FAN COIL BUT MAY BE TO THE LEFT OF THE FAN COIL IN SOME LOCATIONS. SEE FLOOR PLANS AND SECTION VIEWS FOR LOCATION OF RETURN DUCT RELATIVE TO FAN COIL FOR EACH INDIVIDUAL UNIT. ALSO ADJUST LOCATION OF INTERMEDIATE ANGLE IRON ON FAN COIL STAND BASED ON RETURN DUCT LOCATION.



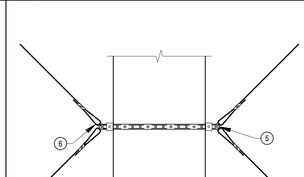
2 UPFLOW FAN COIL MOUNTING - FC-1 THRU FC-8, FC-10 THRU FC-17 N.T.S.



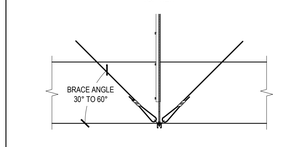
DETAIL NOTES:

1. EXHAUST VENT CAP WITH RAIN HOOD. EXTEND MIN 8" ABOVE ROOF.
2. FLASHING. SEE ARCHITECTURAL DRAWINGS.
3. ROOF DECK.
4. EXHAUST DUCT. SEE PLANS FOR SIZE.

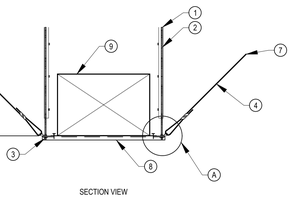
14 EXHAUST DUCT THRU ROOF N.T.S.



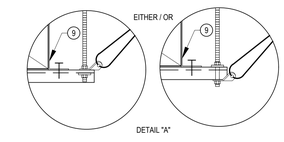
TOP VIEW



SIDE VIEW



SECTION VIEW



DETAIL "A"

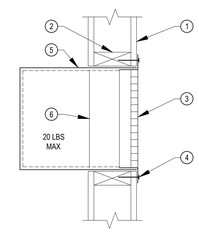
RECTANGULAR DUCTWORK GREATER THAN 30" MAX. WT. = 17 LB/FT

DETAIL NOTES:

1. SEE 12/MP6.1 FOR ROD TOP CONNECTION TO BUILDING FRAMING.
2. ROD STIFFENER. SEE 13/MP6.1.
3. 3/8"Ø HANGER ROD, ATTACHED TO P1100 STRUT W/ 3/8"Ø NUT TOP AND BOTTOM AND 1-5/8"x1/4" THICK SQUARE WASHER.
4. GRIPPLE GS10, 5/64"Ø (7x7) CABLE WITH GRIPPLE GSE4 EYELET END.
5. GRIPPLE SEISMIC STANDARD (GSS4) OR RETROFIT (GSR4)BRACKET WITH BOLT HOLE TO MATCH THREADED ROD DIAMETER.
6. GRIPPLE LOOP THROUGH A GRIPPLE SEISMIC STANDARD (GSS4) OR RETROFIT BRACKET (GSR4.)
7. ATTACH BRACING WIRE TO STRUCTURE PER DETAIL 12/MP6.1.
8. UNISTRUT P1100
9. 1"x18 GAUGE STRAP OVER DUCT. SECURE TO STRUT CHANNEL w/ #10 x 1" SMS

NOTES:
1. TIGHTEN CABLES TO REMOVE SLACK.
2. LEAVE A 2" TAG EXTENDING OUT OF THE GRIPPLE SEISMIC FASTENER FOR FUTURE ADJUSTMENTS.
3. ENSURE LOCKING SCREWS ARE FULLY INSTALLED INTO THE GRIPPLE SEISMIC FASTENER ON COMPLETION OF INSTALLATION.
4. BRACE DUCTWORK MINIMUM EVERY 25'-0".

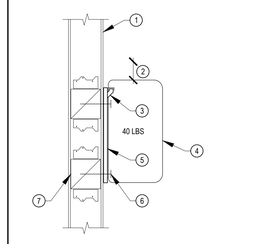
11 RECTANGULAR DUCT SUPPORT AND 4-WAY SEISMIC BRACING - FOR USE WHEN HANGER ROD LENGTH EXCEEDS 12" OR WHEN WEIGHT PER HANGER ROD EXCEEDS 50 LBS (IAPMO ER-577) N.T.S.



DETAIL NOTES:

1. WALL.
2. 2x BLOCKING ALL AROUND.
3. REGISTER.
4. #8 WOOD SCREWS, 2" MIN. PENETRATION INTO WOOD BLOCKING. SCREWS TO BE INSTALLED AT CENTERLINE OF BLOCKING. TYP. OF 4 SCREWS.
5. SHEET METAL BOX WITH 1/2" ACOUSTIC LINING.
6. PRICE RAS-LP SILENCER.

6 REGISTER DETAIL - SIDEWALL MOUNTED N.T.S.



DETAIL NOTES:

1. WALL.
2. MAINTAIN FACTORY REQUIRED CLEARANCES ALL AROUND UNIT.
3. INSTALL THE UNIT TO MOUNTING PLATE PER MANUFACTURER INSTALLATION AND OPERATION MANUAL.
4. INDOOR UNIT. SEE PLANS FOR LOCATIONS.
5. MANUFACTURER'S MOUNTING PLATE.
6. SECURE MOUNTING PLATE TO WALL WITH 3/8" Ø LAG SCREWS INSTALLED AT CENTERLINE OF BLOCKING, 3" MIN EMBEDMENT. TYP. OF 4 LOCATIONS.
7. 6X6 PT DF NO. 2 BLKG W/ A34 CLIP T&B EA SIDE TYP.

3 WALL MOUNTED FAN COIL N.T.S.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

REGISTERED PROFESSIONAL ENGINEER
MEIN SER TUNG
No. M31059
EXP. JUNE 30, 2027
MECHANICAL
STATE OF CALIFORNIA

CEG JOB NO: 25282

CYPRESS Engineering Group
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831.218.1802
8 Harris Court, Suite A8
Monterey, CA 93940
cypresseg.com

DETAILS - MECHANICAL & PLUMBING

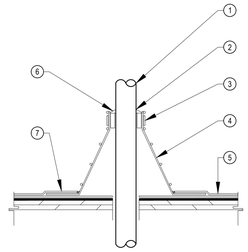
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY: JL
CHECKED BY: CS
PROJECT NO: 25042
DATE: 04/21/2026

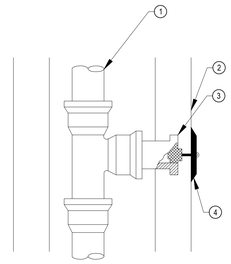
MP6.1



DETAIL NOTES:

1. PIPE. SEE DRAWINGS FOR SIZE.
2. SEAL WATERTIGHT WITH MASTIC.
3. STAINLESS STEEL CLAMPING RING.
4. PRE-MOLDED PIPE FLASHING.
5. ROOF. SEE ARCHITECTURAL DRAWINGS.
6. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER.
7. SEAL FLASHING WATERTIGHT TO ROOF PER ROOFING MANUFACTURER'S INSTRUCTIONS.

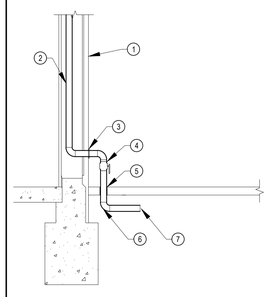
13 PIPE PENETRATION N.T.S.



DETAIL NOTES:

1. VENT, SOIL, WASTE OR LEADER STACK.
2. WALL.
3. WALL CLEANOUT.
4. WALL PLATE AS SPECIFIED.

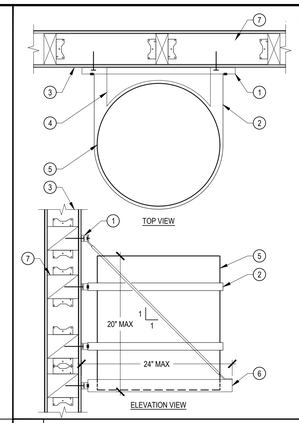
9 WALL CLEANOUT DETAIL N.T.S.



DETAIL NOTES:

1. EXTERIOR WALL. SEE ARCHITECTURAL DRAWINGS.
2. RISE PIPE IN WALL.
3. SEAL PENETRATION WATERTIGHT. PROVIDE ESCUTCHEON AT EXTERIOR.
4. SHUT-OFF VALVE ON RISER.
5. PVC SLEEVE ON GRADE. SLEEVE SIZE TO BE MIN. ONE NOMINAL SIZE LARGER THAN PIPE UP TO 1" ANNULAR CLEAR SPACE BETWEEN PIPING AND SLEEVE. FILL THE ANNULAR SPACE WITH EPDM-RUBBER.
6. RISE AS CLOSE TO WALL AS POSSIBLE.
7. SEE CIVIL DRAWINGS FOR CONTINUATION.

5 COLD WATER RISER N.T.S.



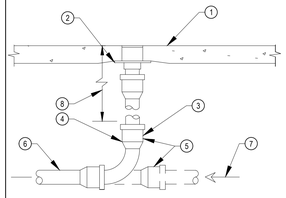
DETAIL NOTES:

1. B-LINE B22 CHANNEL. ATTACH TO BLOCKING WITH (2) 3/8"Ø x 3" LAG SCREWS INSTALLED AT CENTERLINE OF BLOCKING. PRE-DRILL HOLES INTO BLOCKING, TYP. 2-1/2" MIN. EMBEDMENT.
2. HOLDRITE SEISMIC RESTRAINT STRAP, 24 GA GALVANIZED STEEL. ATTACH TO CHANNEL WITH 1/2"Ø BOLT (ASTM A307 GR. A), WASHER AND CHANNEL NUT, TYPICAL. LOCATE STRAP AT 1/3 AND 2/3 HEIGHT.
3. WALL. SEE ARCHITECTURAL DRAWINGS.
4. 2x8 CHOCK BLOCK, CUT TO RADIUS OF WATER HEATER.
5. WATER HEATER. FOR PIPING, SEE 2/MP6.2.
6. HOLDRITE 30-SWHP-WM WALL HUNG PLATFORM WITH DRAIN PAN. ATTACH TO CHANNEL WITH 1/2" Ø BOLT (ASTM A307 GR. 36), WASHER, AND CHANNEL NUT, TYPICAL.
7. 4x4 BLOCKING WITH SIMPSON A34 TOP AND BOTTOM EACH END, TYP.

NOTES:

1. IN SITU LOAD TEST OF INSTALLED PLATFORM TO 280 LB (2 TIMES THE WEIGHT OF THE WATER HEATER).

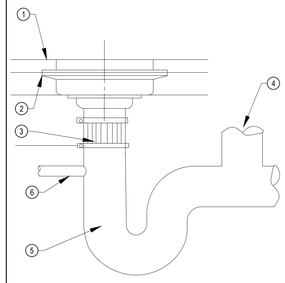
1 WATER HEATER MOUNTING N.T.S.



DETAIL NOTES:

1. FLOOR SLAB ON GRADE.
2. MEMBRANE CLAMP.
3. LONG SWEEP ELBOW AT END OR TURN OF RUN.
4. HUB AND SPIGOT CAST IRON PIPE BELOW FLOOR.
5. COMBINED WYE AND EIGHT BEND IN RUN ENTER TOP OF PIPE.
6. SANITARY SEWER LINE.
7. DIRECTION OF FLOW.
8. AS REQUIRED DEPTH OF SEWER.

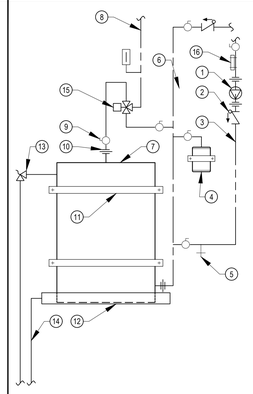
10 FLOOR CLEANOUT DETAIL N.T.S.



DETAIL NOTES:

1. FINISHED FLOOR.
2. WATERPROOF MEMBRANE.
3. NO-HUB CLAMP.
4. TO VENT.
5. P-TRAP.
6. 1/2" TRAP PRIMER SUPPLY.

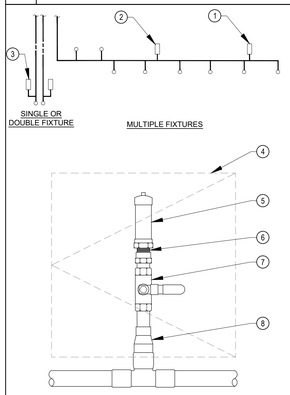
6 FLOOR DRAIN DETAIL N.T.S.



DETAIL NOTES:

1. CIRCULATION PUMP. INSTALLED IN VERTICAL SECTION OF PIPE PER 2022 CEC 110.3(c)4A.
2. CHECK VALVE, TYP.
3. HOT WATER RETURN, SEE PLANS.
4. EXPANSION TANK. SECURE TO WALL WITH SEISMIC RESTRAINT STRAP.
5. HOSE BIBB PER 2022 CEC 110.3(c)4C w/ CAP.
6. COLD WATER, SEE PLANS.
7. WATER HEATER.
8. 110°F HOT WATER, SEE PLANS.
9. BALL VALVE, TYP.
10. UNION, TYP.
11. HOLDRITE 24 GAUGE SEISMIC RESTRAINT STRAP PER CPC 2022 507.2: AT UPPER ONE THIRD (1/3) AND LOWER ONE-THIRD (1/3). A MINIMUM DISTANCE OF FOUR (4) INCHES SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.
12. HOLDRITE WALL HUNG PLATFORM WITH DRAIN PAN.
13. T&P RELIEF. DRAIN FULL SIZE TO FLOOR LEVEL. SEE FLOOR PLANS.
14. 1" DRAIN FROM DRAIN PAN. RUN FULL SIZE TO FLOOR LEVEL. SEE FLOOR PLANS.
15. ASSE 1017 MASTER MIXING VALVE - POWERS MODEL LFLM491-101. SET TO 120°F.
16. AQUASTAT MOUNTING LOCATION.

2 WATER HEATER PIPING N.T.S.



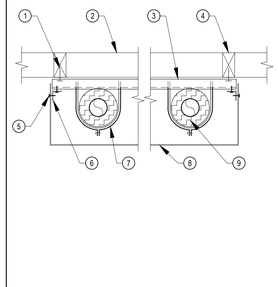
DETAIL NOTES:

1. INSTALL WATER HAMMER ARRESTOR JUST BEFORE LAST FIXTURE ON BRANCH LINE.
2. INSTALL AN ADDITIONAL WATER HAMMER ARRESTOR IF THE BRANCH LINE IS GREATER THAN 20' LONG.
3. INSTALL WATER HAMMER ARRESTOR ON ALL FIXTURES WITH QUICK CLOSING VALVES.
4. WALL ACCESS PANEL.
5. WATTS SERIES 15 OR EQUAL WATER HAMMER ARRESTOR. SIZE PER MANUFACTURER'S INSTRUCTIONS.
6. FITTING ADAPTER.
7. BALL VALVE. SIZE TO EQUAL WATER HAMMER ARRESTOR SIZE.
8. FITTING REDUCER (IF REQUIRED).

NOTES:

1. COMBINE SHUT-OFF VALVES, TRAP PRIMERS AND WATER HAMMER ARRESTORS BEHIND SINGLE WALL ACCESS PANEL WHERE POSSIBLE.

11 WATER HAMMER ARRESTOR DETAIL N.T.S.



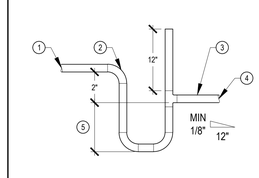
DETAIL NOTES:

1. SCREW CHANNEL INTO WALL STUD W/ 2-3/8"x2" LAG SCREWS CENTERED ON STUD.
2. WALL.
3. UNISTRUT P1000 CHANNEL.
4. WALL STUD.
5. #10 x 1" SMS @ 24" O.C. EA SIDE (3" MIN. FROM TOP & BOTTOM OF COVER EA SIDE).
6. 1-1/2" x 1-1/2" x 2" LONG 16 GA. MIN. METAL ANGLE @ 24" O.C. EA SIDE, EA END (MIN. TOP & BOTTOM).
7. ZSI FOSTER CUSH-A-THERM PIPE CLAMP.
8. 8" DEEP MAX. CONTINUOUS STEEL COVER (16 GA. GALV.), PAINTED TO MATCH (E) WALL COLOR. FABRICATE CORNER PIECES TO FOLLOW PIPING TURNS.
9. PIPE(S). SEE PLANS FOR TYPES AND SIZES.

NOTES:

1. 6 FT MAX SPACING BETWEEN SUPPORT. MAX TOTAL LOAD SHALL NOT EXCEED 20 LBS PER SUPPORT.

7 PIPE SUPPORT - EXTERIOR N.T.S.



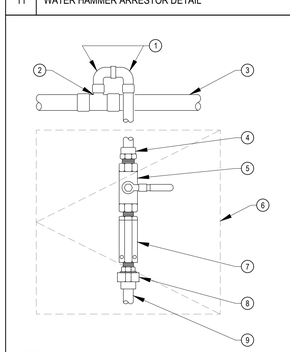
DETAIL NOTES:

1. CONNECT CD TO UNIT PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
2. LONG RADIUS ELBOW, TYP.
3. PITCH MINIMUM 1/8" PER FOOT TO DRAIN.
4. SEE PLANS FOR CONTINUATION.
5. UNIT TOTAL INCHES STATIC PRESSURE ±2".

NOTES:

1. CD PIPE SIZE SHALL NOT BE SMALLER THAN UNIT DRAIN CONNECTION SIZE.
2. FOR PIPE SIZES AND LOCATIONS, SEE PLANS.

3 CONDENSATE DRAIN CONNECTION TO FAN COIL, RTU, OR DOAS N.T.S.



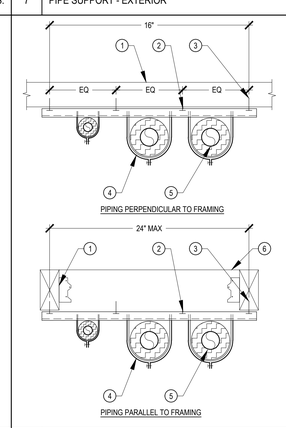
DETAIL NOTES:

1. 1/2" 90° STREET ELLS OFF TOP OF CW SUPPLY LINE TO PREVENT DEBRIS FROM ENTERING TRAP PRIMER.
2. TEE.
3. CW SUPPLY LINE.
4. ADAPTER.
5. 1/2" BALL VALVE.
6. WALL ACCESS PANEL.
7. TRAP PRIMER WITH INTEGRAL BACKFLOW PREVENTER AND VACUUM BREAKER. PPP PR-500 PRIME-RITE OR EQUAL. MOUNT TRAP PRIMER MIN 12" AFF FOR EVERY 20' OF PRIMER LINE.
8. UNION.
9. RUN 1/2" CW DOWN TO BELOW GRADE. THEN EXTEND TO FLOOR DRAIN.

NOTES:

1. UP TO FOUR (4) FLOOR DRAINS MAY BE SERVED BY ONE (1) TRAP PRIMER. INSTALL DISTRIBUTION UNIT PPP SERIES "DU" OR EQUAL, DOWNSTREAM OF UNION. DISTRIBUTION UNIT TO ALSO BE ACCESSIBLE FROM WALL ACCESS PANEL.
2. COMBINE SHUT-OFF VALVES, TRAP PRIMERS AND WATER HAMMER ARRESTORS BEHIND SINGLE WALL ACCESS PANEL WHERE POSSIBLE.

12 TRAP PRIMER N.T.S.



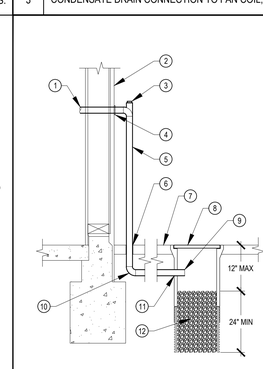
DETAIL NOTES:

1. FRAMING.
2. UNISTRUT P1000 CHANNEL.
3. SCREW CHANNEL INTO FRAMING W/ 4-#9 SCREWS, 3" MIN EMBEDMENT CENTERED ON JOIST.
4. ZSI FOSTER CUSH-A-THERM PIPE CLAMP.
5. PIPE(S). SEE PLANS FOR TYPES AND SIZES.
6. 4x BLOCKING AT P1000, W/ A34 EA END EA SIDE.

NOTES:

1. 6 FT MAX SPACING BETWEEN SUPPORT. MAX TOTAL LOAD SHALL NOT EXCEED 20 LBS PER SUPPORT.

8 PIPE SUPPORT - INTERIOR N.T.S.



DETAIL NOTES:

1. CONDENSATE DRAIN PIPE. PENETRATE WALL AS LOW AS POSSIBLE. SEE PLANS FOR SIZES AND LOCATIONS.
2. EXTERIOR WALL.
3. CLEANOUT.
4. SEAL PENETRATION WATERTIGHT. PROVIDE ESCUTCHEON AT EXTERIOR.
5. ROUTE PIPING TIGHT TO WALL. PAINT PIPE TO MATCH WALL COLOR.
6. DROP PIPE BELOW GRADE CLOSE TO WALL. PIPE SHALL NOT BE A TRIPPING HAZARD.
7. GRADE.
8. CHRISTY G05 CURB VALVE BOX WITH ADS SNAP ADAPTER AND 18" ADS EXTENSION. WITH G05 CAST IRON LID. FLUSH WITH GRADE.
9. SPILL WITH 1" AIR GAP.
10. PIPE SHALL CLEAR (NOT PASS THROUGH) BUILDING FOOTING.
11. CORE DRILL BOX FOR PIPE TO PASS THROUGH.
12. FILL WITH WASHED PEA GRAVEL.

4 CONDENSATE DRYWELL N.T.S.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026
(DSA STAMP AREA)

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

REGISTERED PROFESSIONAL ENGINEER
MEIN SERTTUNG
No. M31059
EXP. JUNE 30, 2027
MECHANICAL
STATE OF CALIFORNIA

CEG JOB NO: 25282
CYPRESS Engineering Group
HVAC, Plumbing, Fire Protection
Building Commissioning
Industrial Refrigeration
Environmental Services
Training & Technical Support
831.218.1902 Suite A8
8 Harris Court
Monterey, CA 93940
cypresseng.com

DETAILS - MECHANICAL & PLUMBING

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY: JL
CHECKED BY: CS
PROJECT NO: 25042
DATE: 04/21/2026

MP6.2

POWER PLAN NOTES

A. FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.

B. INSTALL SEPARATE NEUTRALS FOR EACH 120V BRANCH CIRCUIT.

C. MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY CEC ARTICLE 430 PART III AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.

D. SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (5) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.

E. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.

F. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.

G. ALL 125V AND 250V, 15- AND 20-AMPERE NONLOCKING-TYPE RECEPTACLES WITHIN COMMON AREAS SHALL BE TAMPER-RESISTANT PER CEC 406.12.

LIGHTING PLAN NOTES

A. NIGHT LIGHT "NL" DESIGNATED LUMINAIRES IN INTERIOR LOCATIONS SHALL HAVE THE DRIVER CONTINUOUSLY ENERGIZED. LUMINAIRES IN EXTERIOR LOCATIONS SHALL BE AUTOMATICALLY CONTROLLED TO BE ON FROM DUSK TO DAWN.

B. LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.

C. REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.

D. CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES.

E. PROVIDE UNSWITCHED HOT LEG OF ROOM LIGHTING BRANCH CIRCUIT TO EACH BATTERY POWERED EMERGENCY LIGHT AND EXIT SIGN FOR CONTINUOUS CHARGING.

LIGHTING CONTROL GENERAL NOTES

A. CONTRACTOR TO PROVIDE COMPLETE MANUFACTURERS SHOP DRAWINGS SPECIFIC TO THIS PROJECT FOR THE INTERIOR AND EXTERIOR LIGHTING CONTROL SYSTEM.

B. VERIFY OCCUPANCY SETTING FOR EACH TYPE OF ROOM WITH OWNER AND ADJUST AS DIRECTED BY OWNER.

C. VERIFY EACH RELAY PROGRAMMING WITH OWNER AND PROGRAM EACH AS DIRECTED BY OWNER.

D. PROVIDE OWNER IN SERVICE TRAINING FOR LIGHTING CONTROL SYSTEM.

E. WHERE MULTIPLE CHANNEL CONTROLS HAVE BEEN PROVIDED IN A ROOM OR SPACE, VERIFY FIXTURE ZONING REQUIREMENTS WITH OWNER PRIOR TO PRODUCING SHOP DRAWINGS AND INSTALLATION.

F. FOR CLARIFICATION ALL REQUIRED LOW VOLTAGE CONTROL DEVICES AND CABLING MAY HAVE NOT BEEN SHOWN, CONTRACTOR TO PROVIDE ALL LOW VOLTAGE DEVICES AND CABLING AS REQUIRED TO MAKE CONTROL SYSTEMS FULLY FUNCTIONAL.

CONDUIT SYSTEM NOTES

CONDUIT SYSTEMS USED ON THIS PROJECT SHALL BE AS FOLLOWS

1. PVC SCHEDULE 40 OR 80 - UNDERGROUND/BELOW SLAB WITH GRS ELBOWS AND RISERS TAPE WRAPPED.
2. ELECTRICAL METALLIC CONDUIT (EMT) - ABOVE GRADE/SLAB IN BUILDING CONSTRUCTION AND WHERE EXPOSED ABOVE 8'-0" AFF.
3. GALVANIZED RIGID STEEL (GRS) - WHERE EXPOSED BELOW 8'-0" AFF. AND/OR WHERE SUBJECT TO PHYSICAL DAMAGE.

REFER TO SECTION 260533 & 260500 OF SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONDUITS SHALL BE MINIMUM 1/2" UNLESS OTHERWISE NOTED, 3/4" FOR ALL HOME RUN CONDUITS AND WHERE ROUTED BELOW SLAB OR UNDERGROUND. CONDUIT SIZES, WHERE NOT NOTED ON THE DRAWINGS, SHALL BE SIZED FOR MAXIMUM 40% FILL PER CEC 310.6. ADDITIONAL CONDUIT REQUIREMENTS.

GENERAL NOTES

1. CODE COMPLIANCE: ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS, AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS (IN EFFECT AT TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS:

   A. CALIFORNIA CODE OF REGULATIONS TITLE 24; INCLUDES 2022 CALIFORNIA ELECTRICAL CODE, 2022 CALIFORNIA FIRE CODE, 2022 CALIFORNIA BUILDING CODE, ETC. WITH DSA AMENDMENTS AS APPLICABLE.

2. SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKPERSONS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF NEGLIGENT SAFETY PRACTICES, WHICH MAY CAUSE INJURY TO OTHERS ON OR NEAR THE JOB SITE.

3. FIRE RATED ASSEMBLIES SHALL MAINTAIN RATINGS AS SPECIFIED IN THE CALIFORNIA BUILDING CODE CHAPTER 7. CONTRACTOR SHALL PROVIDE AND INSTALL PHYSICAL ENCLOSURE AROUND FIXTURES, PANELS, ETC. AS REQUIRED. ALL ASSEMBLIES TO BE PENETRATED SHALL BE INSTALLED WITH APPLICABLE THROUGH-PENETRATION FIRESTOP SYSTEM AS DETERMINED BY UL CLASSIFICATION. BEFORE CONSTRUCTION, VERIFY AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION.

4. MOUNTING HEIGHTS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

   +15" AFF: RECEPTACLES, TELEPHONE, TV & DATA OUTLETS. (MEASURED BOTTOM OF OUTLET BOX)
   +46" AFF: OUTLET ABOVE COUNTER (MEAUSRED TOP OF OUTLET BOX)
   +48" AFF: LIGHT SWITCHES. (MEASURED TOP OF OUTLET BOX)
   +48" AFF: FIRE ALARM MANUAL PULL STATIONS, T-STATS. (MEASURED TOP OF OUTLET BOX)
   THE LOWER OF +80" AFF TO BOTTOM OF LENS, OR 6" BELOW CEILING: FIRE ALARM VISUALS.

   ELECTRICAL SWITCHES: CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHT AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. [CBC 11B-308.1.1]

   ELECTRICAL RECEPTACLE OUTLETS: ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM [CBC 11B-308.1.2]

   BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT ELECTRICAL CONNECTIONS, STUB-UPS, RECEPTACLES, OUTLETS, ETC. WITH ARCHITECT OR OWNER. PLACE DEVICES LOCATED ABOVE COUNTERS, SHELVING, ETC. AND IN BATHROOMS SO AS NOT TO CONFLICT WITH EDGES OF WAINSCOTING, COUNTER SPLASH, SHELVING, ETC. ARCHITECTURAL SHEETS SHALL GOVERN.

5. LABEL PANELS, CABINETS, BACKBOARDS, MAIN DEVICES, SAFETY SWITCHES, CONTACTORS AND OTHER SPECIFICALLY DESIGNATED EQUIPMENT SHOWN ON PLANS. USE ENGRAVED LAMINATED PLASTIC NAMEPLATES ATTACHED BY SCREWS OR RIVETS. FOR FEEDERS, NEATLY AND INDELIBLY LABEL CONDUIT DESTINATIONS ON BOTH VISIBLE ENDS OF CONDUIT RUNS WHERE CONDUITS TERMINATE AT DESIGNATED ENCLOSURES, STRUCTURES OR EQUIPMENT (INCLUDING PULL AND SPLICE BOXES).

6. ANCHORAGE AND BRACING NOTES:

   MEP COMPONENT ANCHORAGE NOTE

   ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

   1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
   2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 125/250 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
   3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

   THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

   A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

   B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

   THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

   PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE.

   PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

   THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

   MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

   MP ☐ MD ☐ PP☐ E☒ — OPTION 1: PROJECT SPECIFIC DESIGN. DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. REFER TO DETAILS ON SHEETS E0.6 THROUGH E0.9.

   MP ☐ MD ☐ PP☐ E☐ — OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

   MP ☐ MD ☐ PP☐ E☐ — OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

   EXISTING BUILDINGS

   1. ASBESTOS: IF DURING THE COURSE OF WORK THE CONTRACTOR OBSERVES THE EXISTENCE OF ASBESTOS, OR ASBESTOS-BEARING MATERIALS, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE FURTHER WORK ON THE PROJECT AND NOTIFY THE OWNER OF THE CONDITION. THE OWNER WILL, AFTER CONSULTATION WITH THE OWNER'S REPRESENTATIVE, DETERMINE A FURTHER COURSE OF ACTION.

   2. ANY DEMOLITION WORK SHOWN WAS PREPARED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER DOES NOT REPRESENT THAT ALL ITEMS WHICH MAY REQUIRE DEMOLITION HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE SITE AND THE CONTRACT DOCUMENTS AND TO PERFORM ALL DEMOLITION AND RECONSTRUCTION WHICH MAY BE REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.

   3. EXISTING CONDITIONS: INFORMATION SHOWN FOR EXISTING CONDITIONS WAS PRIMARILY GAINED FROM "AS BUILT" DRAWINGS AND/OR LIMITED FIELD INVESTIGATION. BEFORE BID, VISIT SITE TO VERIFY EXISTING CONDITIONS AND MAKE ALLOWANCE FOR VARIATIONS FROM THAT SHOWN.

   4. EXISTING CONDUCTORS: INTERCEPT, EXTEND, REROUTE, REPULL CONDUCTORS, SPLICE AND OTHERWISE MODIFY EXISTING CONDUCTORS OF ALL SYSTEMS AS REQUIRED TO MAINTAIN AND/OR ESTABLISH PROPER FUNCTION AND SATISFY DESIGN INTENT. REMOVE ABANDONED CONDUCTORS.

   5. WHERE EXISTING BUILDING CONSTRUCTION, MECHANICAL UNITS AND OTHER EQUIPMENT IS SHOWN TO BE REMOVED, DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL INSTALLATION.

   6. CLOSELY COORDINATE OUTAGE AND FACILITY DISRUPTION TIME WITH ARCHITECT AND OWNER. MINIMUM 72-HOUR NOTICE IS REQUIRED BEFORE ANY CIRCUIT SHUTDOWN OR DISRUPTION OF FACILITY PERSONNEL FUNCTIONING.

   7. EXISTING ABANDONED CONDUCTORS REMOVED OVER #12 AWG SHALL BE SALVAGED BACK TO THE DISTRICT MAINTENANCE YARD LOCATED AT 222 STANLEY AVE, ARROYO GRANDE, CA.

   MECHANICAL SYSTEMS

   1. MECHANICAL UNIT CONDUITS: TO PREVENT DAMAGE DUE TO VIBRATION, BOTH POWER AND CONTROL WIRING CONDUITS FEEDING EXTERIOR MECHANICAL UNITS SHALL BE PROVIDED AND INSTALLED WITH LIQUID-TIGHT FLEXIBLE METALLIC TYPE CONDUIT AT FINAL CONNECTION TO UNIT AND BETWEEN ROOF JACK AND DISCONNECT SWITCH WHERE DISCONNECT IS MOUNTED ON UNIT.

   2. MECHANICAL CONTROLS RACEWAYS: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AS REQUIRED IN ACCORD WITH SECTION 26 0533 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS. INCLUDING BUT NOT LIMITED TO: J-BOXES, RINGS, CONDUIT AND SUPPORTS (SIZE ALL AS REQUIRED).

   3. EXHAUST FANS SHALL BE PROVIDED & INSTALLED BY MECHANICAL CONTRACTOR WITH WIRING CONNECTIONS MADE BY ELECTRICAL CONTRACTOR.

   4. MECHANICAL EQUIPMENT CONTROLS: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE WIRE AND CONNECTIONS (BELOW 120 VOLT) TO AND FROM ALL MECHANICAL CONTROL DEVICES. LOW VOLTAGE CONTROL WIRE SHALL BE IN CONDUIT, UNLESS OTHERWISE NOTED.

   5. PULLROPES: ANY RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AND LARGER IF REQUIRED BY SERVING UTILITY COMPANY. ANY NEW OR EXISTING COMMUNICATION OR SIGNAL RACEWAY ROUTED BETWEEN BUILDINGS, SIGNAL CABINETS, AND/OR SIGNAL CLOSETS WITH FUTURE CAPACITY SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AS WELL AS THE CALLED FOR CABLE.

LUCIA MAR UNIFIED SCHOOL DISTRICT STANDARDS

ALL WORK SHALL COMPLY WITH LUCIA MAR UNIFIED SCHOOL DISTRICT STANDARDS, CONTRACTOR TO CONTACT SCHOOL DISTRICT DIRECTLY, OBTAIN COMPLETE LIST OF DISTRICT STANDARDS, AND ADHERE ACCORDINGLY.

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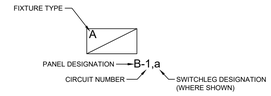
E5.1	FIRE ALARM FLOOR PLAN - BUILDING 122
E5.2	FIRE ALARM FLOOR PLAN - BUILDING 121
E5.3	FIRE ALARM FLOOR PLAN - BUILDING 120
E5.4	FIRE ALARM RISER
E5.5	FIRE ALARM DETAILS
E5.6	FIRE ALARM CALCULATIONS
T0.0	GENERAL COMMUNICATION PLAN NOTES, BOD
T0.1	COMM RISER/COMM DETAILS

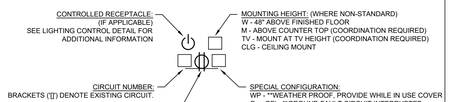
CIRCUITING LEGEND

LIGHTING PLAN



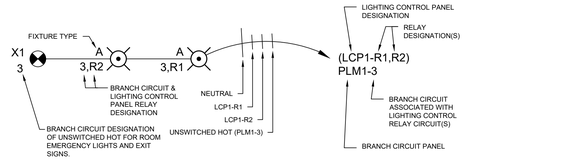
- PROVIDE ALL BRANCH CIRCUIT WIRING FROM FIXTURES TO PANEL(S) AS DESCRIBED BY CIRCUIT NUMBERS SHOWN.
- PROVIDE ALL WIRING BETWEEN FIXTURES AND CONTROL DEVICES AS DESCRIBED IN REFERENCE NOTES AND/OR SHOWN BY SWITCHLEG DESIGNATIONS.
- EXIT AND EMERGENCY LIGHT FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED BRANCH CIRCUIT CONDUCTOR.
- HOME RUN CONDUITS SHALL BE 3/4"C., MAX OF (3) BRANCH CIRCUITS PER CONDUIT.
- PROVIDE ALL BRANCH CIRCUIT WIRING FROM MECH. EQUIPMENT TO PANELS.

POWER PLAN



- PROVIDE ALL BRANCH CIRCUIT WIRING FROM DEVICES TO PANEL(S) PER DESIGNATIONS/CIRCUIT NUMBERS.
- EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AS INDICATED ON PANEL SCHEDULES.
- HOME RUN CONDUITS SHALL BE 3/4"C, MAX OF (3) BRANCH CIRCUITS PER CONDUIT.
- INCREASE HOME RUN CONDUIT SIZE TO 1"C FOR (4) BRANCH CIRCUITS OR MORE.
- (**) DENOTES SPECIAL DEVICE/NAMEPLATE REQUIREMENTS.

TYPICAL LIGHTING CONTROL PANEL CIRCUIT CONVENTION

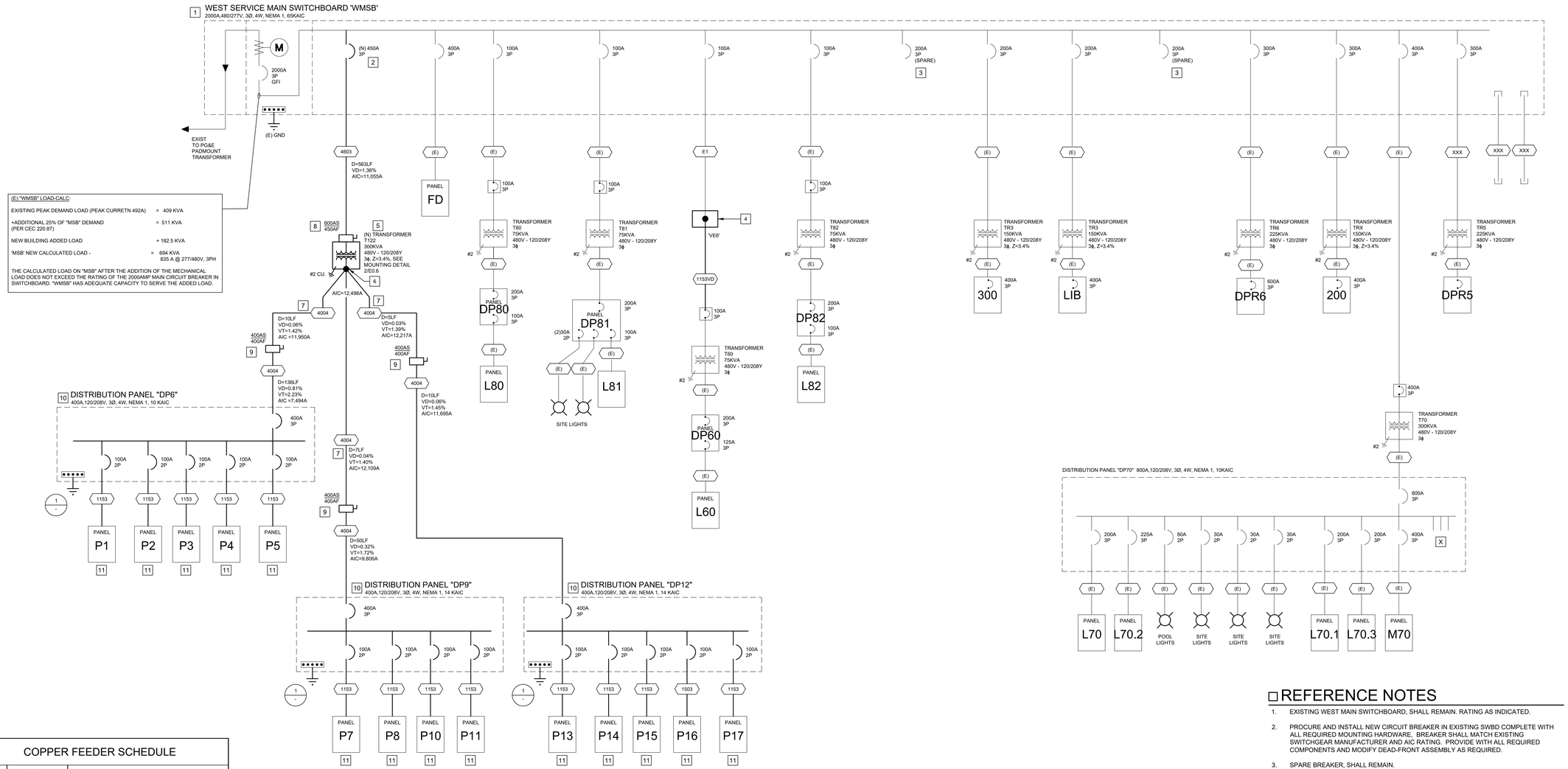


NOTE: SEE PLANS FOR RELAY, LIGHTING CONTROL CIRCUIT, AND BRANCH CIRCUIT QUANTITIES & DESIGNATIONS

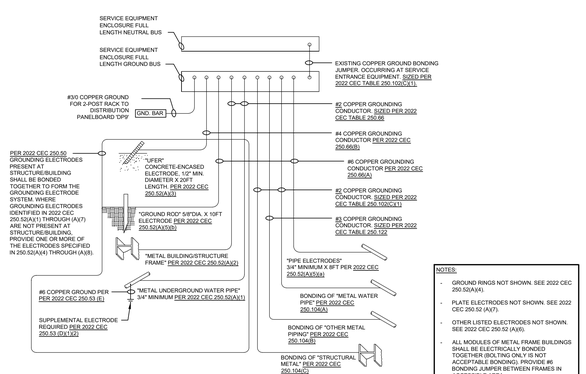
NOTE: THE INTENT OF THE DRAWINGS IS TO SHOW FIXTURE / DEVICE LOCATIONS AND PANEL DESIGNATIONS. ALL BRANCH CIRCUIT WIRING, MEETING THE CRITERIA NOTED ABOVE, WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. LIGHTING AND POWER PLANS SHOW AN ABOVE CEILING JUNCTION BOX / HOME RUN WITH CIRCUIT NUMBERS BY FIXTURES / DEVICES. PROVIDE ALL BRANCH CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. DOCUMENT ALL BRANCH CIRCUITING ON AS-BUILT DRAWINGS ACCURATELY REFLECTING THE INSTALLATION.

ABBREVIATIONS

A	AMPERE	ELEC	ELECTRICAL
AB	AMP BREAKER	EM	EMERG BATTERY BACKUP
ABAND	ABANDONED		EMERGENCY BALLAST
ABV	ABOVE	EMERG	EMERGENCY
AC	ALTERNATING CURRENT	EOL	END OF LINE
AC-#	AIR CONDITIONER	EQUIPT	EQUIPMENT
ADJ	ADJACENT	ES	ENERGY SAVING
AF	AMP FUSE, AMP FRAME	(EXN)	(E) IN (N) LOCATION
AFF	ABOVE FINISH FLOOR	(EXR)	(E) TO BE (R)
AFG	ABOVE FINISH GRADE	EXT	EXTERIOR
AIC	AMPERES INTERRUPTING CAPACITY	F	FLUORESCENT
AI	ALUMINUM	(F)	FUTURE
AS	AMP SWITCH RATING	F-#	FURNACE
ATS	AUTOMATIC TIME SWITCH	FA	FIRE ALARM
ATS	AUTOMATIC TRANSFER SWITCH	FACP	FIRE ALARM CONTROL PANEL
AV	AUDIBLE/AUDIO VISUAL	FAT	FIRE ALARM TERMINAL
AWG	AMERICAN WIRE GAUGE	FAU	FORCED AIR UNIT
BFG	BELOW FINISH GRADE	FBO	FURNISHED BY OTHERS
BIL	BASIC IMPULSE LEVEL	FC#	FAN COIL
BLDG	BUILDING	FLA	FULL LOAD AMPS
C	CONDUIT	FLR	FLOOR
-C-	CATV CONDUIT	FLUOR	FLUORESCENT
CABT	CABINET	FS	FUSIBLE SWITCH
CATV	CABLE TELEVISION	FVNR	FULL VOLTAGE NON-REVERSING
CB	CIRCUIT BREAKER	G	GROUNDING CONDUCTOR
CBC	CA. BUILDING CODE	GC	GENERAL CONTRACTOR
CEC	CA. ELECTRICAL CODE	GD	GARBAGE DISPOSAL
	CA. ENERGY COMMISSION	GFCI	GROUND FAULT CIRCUIT
CF	COMPACT FLUORESCENT		INTERRUPTER
CFC	CALIFORNIA FIRE CODE	GFI	GROUND FAULT CIRCUIT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED		INTERRUPTER
CLG	CEILING	GND	GROUND
CL	CENTER LINE	GRS	GALVANIZED RIGID STEEL
CKT	CIRCUIT	GWS	GANG WITH SWITCH
CNTR	CONTRACTOR	H	HEIGHT, HIGH
C.O.	CONDUIT ONLY (W/PULLROPE)	HACR	HEATING, AC & REFRIG
COND	CONDUIT, CONDUCTOR	HID	HIGH INTENSITY DISCHARGE
CR	CRITICAL BRANCH	HO	HIGH OUTPUT
CSFM	CALIFORNIA SFM	HOA	HAND-OFF-AUTO
CT	CURRENT TRANSFORMER	hp	HORSEPOWER
Cu	COPPER	HPF	HIGH POWER FACTOR
CU-#	CONDENSING UNIT	HPS	HIGH PRESSURE SODIUM
D	DEPTH	IC	INTERCOM
DC	DIRECT CURRENT	ID	IDENTIFICATION
DF	DRINKING FOUNTAIN	IDF	INTERMEDIATE DISTRIBUTION FRAME
DIA	DIAMETER	IF	INSIDE FROST
DISC	DISCONNECT	IG	ISOLATED GROUND
DIST	DISTRIBUTION	J-BOX	JUNCTION BOX
DPST	DOUBLE POLE SINGLE THROW	k	QUANTITY 1000
DW	DISHWASHER	kVA	KILOVLTAMPS
EM	EMERGENCY	kW	KILOWATT
(E)	EXISTING	LC	LIGHTING CONTACTOR
EA	EACH	LPS	LOW PRESSURE SODIUM
EB	ELECTRONIC BALLAST	LRA	LOCKED ROTOR AMPS
EC	ELECTRICAL CONTRACTOR	LS	LIFE SAFETY BRANCH
EC-#	EVAPORATIVE COOLER	LT	LIGHT
EF-#	EXHAUST FAN	LTG	LIGHTING
EL	EVENING LIGHT	LV	LOW VOLTAGE
		MC	MECHANICAL CONTRACTOR
		MCA	MINIMUM CKT AMPS
		MCB	MAIN CIRCUIT BREAKER
		MCTB	MAIN CATV TERMINAL BOARD
		MCTC	MAIN CATV TERMINAL CABINET
		MDF	MAIN DISTRIBUTION FRAME
		MECH	MECHANICAL
		MFR	MANUFACTURER
		MFS	MAIN FUSIBLE SWITCH
		MH	METAL HALIDE
		MLO	MAIN LUGS ONLY
		MOCP	MAXIMUM OCP
		MSB	MAIN SWITCHBOARD
		MT	MOUNT
		MT HT	MOUNTING HEIGHT
		MTS	MANUAL TRANSFER SWITCH
		MTTB	MAIN TELEPHONE TERMINAL BOARD
		MTTC	MAIN TELEPHONE TERMINAL CABINET
		MW	MICROWAVE
		N	NEUTRAL (GROUNDED CONDUCTOR)
		(N)	NEW
		NBR	NEMA 3R
		NC	NORMALLY CLOSED
		NEC	NATIONAL ELECTRICAL CODE
		NEMA	NAT'L ELEC MANUFACTURER'S ASSOC
		NIC	NOT IN CONTRACT
		NL	NIGHT LIGHT
		NO	NORMALLY OPEN
		NPF	NORMAL POWER FACTOR
		NTS	NOT TO SCALE
		OC	ON CENTER
		OCP	OVERCURRENT PROTECTION
		OD	OUTSIDE DIAMETER
		OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
		OFOI	OWNER FURNISHED, OWNER INSTALLED
		OH	OVERHEAD
		OSA	OFFICE of the STATE ARCHITECT
		OSHPD	OFFICE of STATEWIDE HEALTH PLANNING & DEVELOPMENT
		OVLD	OVERLOAD
		P	POLE
		PA	PUBLIC ADDRESS
		PB	PULLBOX
		PC	PULL CHAIN
		PC	PHOTOCELL
		PC	PLUMBING CONTRACTOR
		PH	PHASE
		PNL	PANEL
		POC	POINT OF CONNECTION
		-PP-	POWER PRIMARY
		-PS-	POWER SECONDARY
		PV	PHOTOVOLTAIC
		(R)	RELOCATE(D)
		RECEPT	RECEPTACLE
		REF	REFRIGERATOR
		REQ'D	REQUIRED
		RLA	RATED LOAD AMPS
		RM	ROOM
		RMC	RIGID METAL CONDUIT
		RMV	REMOVE
		RPLC	REPLACE
		RS	RAPID START
		SC	SIGNAL CABINET
		SCC	SHORT CKT CURRENT
		SFM	STATE FIRE MARSHAL
		SHT	SHEET
		SL	SLIMLINE, SWITCH LEG
		SPEC	SPECIFICATION
		SPST	SINGLE POLE SINGLE THROW
		SQ	SQUARE
		STRG	STORAGE
		SURF	SURFACE
		SVC	SERVICE
		SW	SWITCH
		T	TRANSFORMER, TERMINAL
		-T-	TELEPHONE CONDUIT
		(TBR)	TO BE REMOVED
		TC	TIME CLOCK
		TEL	TELEPHONE
		TELCO	TELEPHONE COMPANY
		TS	TIME SWITCH
		TSO	TIME SWITCH OVERRIDE
		TSP	TWISTED SHIELDED PAIR

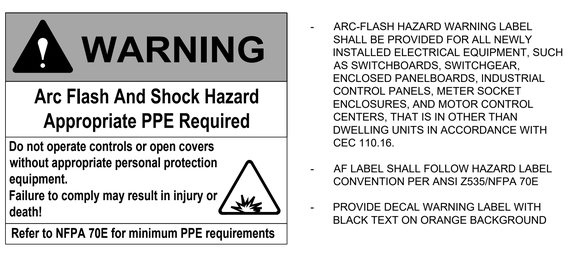


COPPER FEEDER SCHEDULE		
FEEDER NO.	RACEWAY QUANTITY/SIZE	CONDUCTORS
E1	(E) (1) 2"C	(E) (3) #2 THWN & (1) #6 GND.
1153	(1) 1-1/2"C	(3) #2 THWN & (1) #6 GND.
1153VD	(1) 2"C	(3) #2 THWN & (1) #6 GND.
1503	(1) 2"C	(3) #1/0 THWN & (1) #6 GND.
4004	(2) 3"C	(3) #3/0 THWN & (1) #3 GND. EACH
4603	(2) 2"C	(3) #4/0 KCMIL THWN & (1) #2 GND. EACH
10254	(3) 4"C	(4) #400 KCMIL THWN & (1) #2/0 GND. EACH



1 TYPICAL GROUND BOND DETAIL

SCALE: NTS



- ARC-FLASH HAZARD WARNING LABEL SHALL BE PROVIDED FOR ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, SWITCHGEAR, ENCLOSED PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT IS IN OTHER THAN DWELLING UNITS IN ACCORDANCE WITH CEC 110.16.
- AF LABEL SHALL FOLLOW HAZARD LABEL CONVENTION PER ANSI Z535/NFPA 70E
- PROVIDE DECAL WARNING LABEL WITH BLACK TEXT ON ORANGE BACKGROUND

2 TYPICAL ARC FLASH SIGNAGE DETAIL

SCALE: NTS

□ REFERENCE NOTES

1. EXISTING WEST MAIN SWITCHBOARD, SHALL REMAIN. RATING AS INDICATED.
2. PROCURE AND INSTALL NEW CIRCUIT BREAKER IN EXISTING SWBD COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE. BREAKER SHALL MATCH EXISTING SWITCHGEAR MANUFACTURER AND AIC RATING. PROVIDE WITH ALL REQUIRED COMPONENTS AND MODIFY DEAD-FRONT ASSEMBLY AS REQUIRED.
3. SPARE BREAKER, SHALL REMAIN.
4. CONTRACTOR SHALL EXTEND NEW FEEDER FROM PULLBOX 'VE6' AS REQUIRED TO RE-POWER TRANSFORMER 'T60'.
5. NEW ENERGY EFFICIENT DRY-TYPE TRANSFORMER 'T122'. TRANSFORMER RATING AS INDICATED. PROVIDE WITH THE FOLLOWING:
   - 5.1. NEMA 3R RATING ENCLOSURE.
   - 5.2. 150 DEG. RISE.
   - 5.3. 5% TAP VOLTAGE PROVISIONS.
   - 5.4. NOISE AND ISOLATION PADS.
6. CONTRACTOR SHALL PROVIDE MECHANICAL STACKED LUG PROVISION AS REQUIRED TO ACCEPT THE (3) FEEDERS FOR BUILDING DISCONNECTS, '120', '121', '122'. BOD: ILSCO PB4-600-2N.
7. FEEDER SHALL MEET CEC 240.21(B)(1) REQUIREMENTS. FEEDER SHALL NOT EXCEED 10-FEET.
8. HEAVY-DUTY AC DISCONNECT. RATING AS INDICATED. PROVIDE WITH NEMA 3R ENCLOSURE AND TYPE RK1 FUSES.
9. AC DISCONNECT. RATING AS INDICATED. PROVIDE WITH NEMA 3R ENCLOSURE AND RK1 FUSES.
10. NEW BUILDING DISTRIBUTION PANELBOARD. REFER TO PANEL SCHEDULE FOR ADDITIONAL BREAKERS. RATING AS INDICATED.
11. NEW CLASSROOM PANELBOARDS. RATING AS INDICATED.

SINGLE LINE DIAGRAM NOTES

A. ALL CONDUCTORS SHALL BE COPPER WITH TYPE [THHN/THWN] INSULATION UNLESS OTHERWISE NOTED.

B. ALL SWITCHES, CIRCUIT BREAKERS AND OTHER EQUIPMENT, AS SPECIFIED, SHALL HAVE TERMINATION PROVISIONS LISTED AND IDENTIFIED FOR USE WITH 75 DEG. CONDUCTORS, AND ALL FEEDER CONDUCTORS, AND CONDUITS, ARE SIZE BASED ON USE OF 75 DEG. C COPPER WIRES TYPE THWN/THHN.

C. DESIGN SHOWN IS BASED ON SCHOOL DISTRICT STANDARDS SCHNEIDER ELECTRIC (SQUARE D) POWER DISTRIBUTION PRODUCTS, EATON MAY BE SUBSTITUTED IF PRE-APPROVED BY EOR AND ONLY IF SQUARE-D IS NOT AVAILABLE.

D. ALL EQUIPMENT SHALL HAVE ARC FLASH LABELS PER DETAIL ON THIS SHEET.

E. ALL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED [UL, CSA, ETC.] (CEC 110-2).

F. REFER TO PANEL SCHEDULES FOR INDIVIDUAL BRANCH CIRCUIT VOLTAGE DROP AND/OR SINGLE LINE DIAGRAM FOR FEEDER VOLTAGE DROP CALCULATIONS.

G. BRANCH CIRCUIT/FEEDER DISTANCE IS SHOWN FOR REFERENCE ONLY AS THE BASIS OF VOLTAGE DROP CALCULATIONS. CONDUCTOR DISTANCE AS INDICATED SHALL NOT BE USED FOR BIDDING/CONSTRUCTION PURPOSES. SHOULD THE FEEDER DISTANCE EXCEED THE LENGTH NOTED PER INSTALLATION CONDITIONS, NOTIFY THE ENGINEER OF RECORD. TYPICAL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24673
REN. 8-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. [illegible]
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empleo St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

SINGLE LINE DIAGRAM

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.2

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BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 10 KAIC PANEL

(N) PANEL P1

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (1)
WITH EQUIPMENT GND BUS

CKT %VD	DIST (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	CONNECTED VA PHASE A	CONNECTED VA PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DIST (FT)	CKT %VD
1.49%	75	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP:F:C-1	**2**	M	5,8	50	**1.18%**
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-		**4**	M	5,8	50	**1.18%**
1.11%	45	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	900			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				
								CON:	5156	4821									
								25%:	0	96									
								SUB:	0	0									
								TOT:	5156	4917									
								AMPS	43	41									

LOAD (VA) LOAD TYPE LEGEND
2520 R RECEPTACLE
385 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072 M MECHANICAL
0 K KITCHEN APPLIANCE
0 N NON-CONTINUOUS MISC.
0 C CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 10 KAIC PANEL

(N) PANEL P2

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (2)
WITH EQUIPMENT GND BUS

CKT %VD	DIST (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	CONNECTED VA PHASE A	CONNECTED VA PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DIST (FT)	CKT %VD
0.99%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP:2:F:C-2	**2**	M	5,8	45	**0.99%**
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-		**4**	M	5,8	45	**0.99%**
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				
								CON:	4976	4821									
								25%:	0	96									
								SUB:	0	0									
								TOT:	4976	4917									
								AMPS	41	41									

LOAD (VA) LOAD TYPE LEGEND
2340 R RECEPTACLE
385 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072 M MECHANICAL
0 K KITCHEN APPLIANCE
0 N NON-CONTINUOUS MISC.
0 C CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 10 KAIC PANEL

(N) PANEL P3

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (3)
WITH EQUIPMENT GND BUS

CKT %VD	DIST (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	CONNECTED VA PHASE A	CONNECTED VA PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DIST (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP:F:C-3	**2**	M	5,8	80	**1.76%**
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-		**4**	M	5,8	80	**1.76%**
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				
								CON:	4976	4821									
								25%:	0	96									
								SUB:	0	0									
								TOT:	4976	4917									
								AMPS	41	41									

LOAD (VA) LOAD TYPE LEGEND
2340 R RECEPTACLE
385 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072 M MECHANICAL
0 K KITCHEN APPLIANCE
0 N NON-CONTINUOUS MISC.
0 C CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 10 KAIC PANEL

(N) PANEL P4

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (4)
WITH EQUIPMENT GND BUS

CKT %VD	DIST (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	CONNECTED VA PHASE A	CONNECTED VA PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DIST (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP:F:C-4	**2**	M	5,8	80	**1.76%**
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-		**4**	M	5,8	80	**1.76%**
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				
								CON:	4976	4821									
								25%:	0	96									
								SUB:	0	0									
								TOT:	4976	4917									
								AMPS	41	41									

LOAD (VA) LOAD TYPE LEGEND
2340 R RECEPTACLE
385 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072 M MECHANICAL
0 K KITCHEN APPLIANCE
0 N NON-CONTINUOUS MISC.
0 C CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 10 KAIC PANEL

(N) PANEL P5

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (5)
WITH EQUIPMENT GND BUS

CKT %VD	DIST (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	CONNECTED VA PHASE A	CONNECTED VA PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DIST (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP:F:C-5	**2**	M	5,8	70	**1.54%**
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-		**4**	M	5,8	70	**1.54%**
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				
								CON:	4976	4821									
								25%:	0	96									
								SUB:	0	0									
								TOT:	4976	4917									
								AMPS	41	41									

LOAD (VA) LOAD TYPE LEGEND
2340 R RECEPTACLE
385 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072 M MECHANICAL
0 K KITCHEN APPLIANCE
0 N NON-CONTINUOUS MISC.
0 C CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 2000A 277/480V, 3PH, 4W
MAIN: 2000A MAIN CIRCUIT BREAKER
SPACES: 14 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 65 KAIC PANEL

(E) WEST MAIN SWITCHBOARD WMSB

FREE STANDING, NEMA 1
LOCATION: EQUIPMENT ROOM (J)
WITH EQUIPMENT GND BUS

CKT %VD	DIST (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	CONNECTED VA PHASE A	CONNECTED VA PHASE B	CONNECTED VA PHASE C	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DIST (FT)	CKT %VD
		6,7	N		T122	SLD	3	SLD	57239			-	3	SLD	TR3:PNL 200					
		6,7	N	**1**	-	-	-	SLD		67694		-	-	-		**2**				
		6,7	N		-	-	-	SLD			57583	-	-	-						
		9			FD	SLD	3	-				-	3	SLD	TR3:ELIB					
		9		**3**	-	-	-	-				-	-	-		**4**				
		9			-	-	-	-				-	-	-						
		9			TB0:DP80	SLD	3	-				-	3	SLD	SPARE					
		9		**5**	-	-	-	-				-	-	-		**6**				
		9			-	-	-	-				-	-	-						
		9			TB1:DP81	SLD	3	-				-	3	SLD	TR6:DP86					
		9		**7**	-	-	-	-				-	-	-		**8**				
		9			-	-	-	-				-	-	-						
		9			TB0:DP90	SLD	3	-				-	3	SLD	TX:PNL 200					
		9		**9**	-	-	-	-				-	-	-		**10**				
		9			-	-	-	-				-	-	-						
		9			TB2:DP82	SLD	3	-				-	3	SLD	T70:DP70					
		9		**11**	-	-	-	-				-	-	-		**12**				
		9			-	-	-	-				-	-	-						
		9			SPARE	SLD	3	-				-	3	SLD	TR5:DP5					
		9		**13**	-	-	-	-				-	-	-		**14**				
		9			-	-	-	-				-	-	-						
								CON:	57239	67694	57583									
								25%:	0	0	0									
								SUB:	0	0	0									
								TOT:	57239	67694	57583									
								AMPS	297	344	298									

REFER TO SINGLELINE DIAGRAM FOR DEMAND LOAD CALCUATION

LOAD (VA) LOAD TYPE LEGEND
0 R RECEPTACLE
0 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
0 M MECHANICAL
0 K KITCHEN APPLIANCE
182516 N NON-CONTINUOUS MISC.
0 C CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 400A 120/208V, 3PH, 4W
MAIN: 400A MAIN CIRCUIT BREAKER
SPACES: 30 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL DP6

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (6)
WITH EQUIPMENT GND BUS

CKT %VD	DIST (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	CONNECTED VA PHASE A	CONNECTED VA PHASE B	CONNECTED VA PHASE C	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DIST (FT)	CKT %VD
1.29%	65	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720			-	1	20	SPARE	**2**	M			
1.86%	75	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900		-	1	20	SPARE	**4**	M			
1.11%	45	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12			900	8	2	50	HP:6:F:C-6	**6**	M	5,8	15	**0.33%**
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12	385			8	-	-		**8**	M	5,8	15	**0.33%**
				9	SPARE	20	1	-							SPACE	**10**	M			
				11	SPACE										SPACE	**12**	M			
				13	SPACE								1	20	SPARE	**14**	R			
		8	N	**15**	P4	SLD	2		4976				2	SLD	P1	**16**	N	8		
		8	N	**17**	-	-	-	-	5156		4917		-	-		**18**	N	8		
		8	N	**19**	P5	SLD	2		4976		4917		2	SLD	P2	**20**	N	8		
		8	N	**21**	-	-	-		4976		4917		-	-		**22**	N	8		
				23	SPARE	20	1				4976		2	SLD	P3	**24**	N	8		
				25	SPACE				4917				-	-		**26**	N	8		
	8,9	L		**27**	EXTERIOR LTG.	20	1			720					SPACE	**28**				
				29	SPACE					720					SPACE	**30**				
								CON:	19551	22307	19247									
								25%:	96	1801	0									
								SUB:	0	0	0									
								TOT:	19647	22487	19247									
								AMPS	163	187	160									

SERVICE ENTRANCE LISTED PANELBOARD

LOAD (VA) LOAD TYPE LEGEND
2520 R RECEPTACLE
1105 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072 M MECHANICAL
0 K KITCHEN APPLIANCE
49646.25 N NON-CONTINUOUS MISC.
0 C CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

P1	WMSB
P2	DP6
P3	
P4	
P5	

PANEL SCHEDULE NOTES

1. LONG CONTINUOUS LOAD (LCL). ADDITIONAL 25% ADDED AT BOTTOM OF PANEL. FEEDER CALCULATED AT 125% OF TOTAL CONNECTED LOAD.
2. NOT USED.
3. ROUTE BRANCH CIRCUIT THROUGH EXTERIOR LIGHTING CONTROLS.
4. SEE CONTROL DIAGRAM.PROVIDE RED HANDLE AND LOCKING DEVICE ON THIS CIRCUIT BREAKER TO MEET 2022 NFPA 72, SECTION 10.6.5.2, AND 2022 CFC/CBC SECTION 907 REQUIREMENTS. PROVIDE CIRCUIT BREAKER LOCKING DEVICE.
5. VERIFY LOAD, CB AND CONDUCTOR SIZE WITH EQUIPMENT.
6. SEE SINGLE LINE DIAGRAM FOR CONDUCTOR SIZE.
7. NEW CIRCUIT BREAKER REQUIRED.
8. REFLECTS NEW CONNECTED LOAD.
9. EXISTING CIRCUIT TO REMAIN, NO CHANGE TO CONNECTED LOAD.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
REN. 8-30-27
STATE OF CALIFORNIA
NO. C-24673

REGISTERED PROFESSIONAL ENGINEER
JEFREY M. THOMA
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empleo St.
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ELECTRICAL SCHEDULES

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.3

K:\ENG\2025\25-8101\25-8101_E0.3 ~ E0.4_ELEC SCHED.dwg ~ jchachagua ~ Apr 30, 2026 ~ 9:54am

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P13

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (13)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	B	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-13	**2**	M	5,8	65	**1.42%**
									3536										
1.61%	65	B	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	65	**1.42%**
										3536									
1.49%	75	B	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	4976	4821	
25%:	0	96	
SUB:	0	0	
TOT:	4976	4917	
AMPS	41	41	

LOAD (VA) LOAD TYPE LEGEND

2340	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P7

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (7)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-7	**2**	M	5,8	85	**1.87%**
									3536										
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	85	**1.87%**
										3536									
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	4976	4821	
25%:	0	96	
SUB:	0	0	
TOT:	4976	4917	
AMPS	41	41	

LOAD (VA) LOAD TYPE LEGEND

2340	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 400A 120/208V, 3PH, 4W
MAIN: 400A MAIN CIRCUIT BREAKER
SPACES: 30 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL DP9

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (9)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	PHASE C	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
1.86%	95	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720				1	20	SPARE	**2**				
1.66%	85	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		720		6	2	60	HP/FC-9	**4**	M	5,8	50	**0.78%**
										3952										
1.29%	65	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12			720	6	-	-	-	**6**	M	5,8	50	**0.78%**
											3952									
1.26%	85	8	R	**7**	CLASSROOM RECEPTACLES	20	1	12	540				1	20	SPARE	**8**	M			
2.31%	150	1,2	L	**9**	CLASSROOM LTG.	20	1	12		560		12	1	20	RR/CUSTODIAN RM CONV PWR	**10**	M	8	100	**1.49%**
										540										
		1,3	L	**11**	EXTERIOR LTG /ODC CONTROLLER	20	1	12			540	12	1	20	RR/CUSTODIAN RM CONV PWR	**12**	M	8	100	**1.49%**
		8	N	**13**	P7	SLD	2	-	4976			12	1	20	RR/CUSTODIAN ELEC RM CONV PWR	**14**	R	8	100	**1.49%**
									540											
		8	N	**15**		-	-	-		4917		12	3	20	WH-1	**16**	M	5,8	85	**0.97%**
										833										
		8	N	**17**	P8	SLD	2	-			5156	12	-	-		**18**	M	5,8	85	**0.97%**
											833									
		8	N	**19**		-	-	-	4917			12	-	-		**20**	M	5,8	85	**0.97%**
									833											
		8	N	**21**	P10	SLD	2	12		4976		12	1	20	CP-1	**22**	M	5,8	85	**0.22%**
										92										
		8	N	**23**		-	-	-			4917	12	1	20	FACP	**24**	N	4,8	125	**0.65%**
											200									
		8	N	**25**	P11	SLD	2	-	4976			12	1	20	FACP	**26**	N	4,8	125	**0.65%**
									200											
		8	N	**27**		-	-	-		4917		8	2	40	HP-1E	**28**	M	5,8	50	**0.76%**
										2392										
				29	SPACE						2392	8	-	-		**30**	M	5,8	50	**0.76%**

SERVICE ENTRANCE LISTED PANELBOARD

CON:	17702	23600	18710
25%:	0	140	0
SUB:	0	0	0
TOT:	17702	24840	18710
AMPS	148	200	156

LOAD (VA) LOAD TYPE LEGEND

3240	R	RECEPTACLE
560	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
16359	M	MECHANICAL
0	K	KITCHEN APPLIANCE
40153	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P14

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (14)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-14	**2**	M	5,8	80	**1.76%**
									3536										
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	80	**1.76%**
										3536									
1.86%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	900			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	5156	4821	
25%:	0	96	
SUB:	0	0	
TOT:	5156	4917	
AMPS	43	41	

LOAD (VA) LOAD TYPE LEGEND

2520	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P8

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (8)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	5	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-8	**2**	M	5,8	75	**1.65%**
									3536										
1.61%	65	5	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	75	**1.65%**
										3536									
1.86%	75	5	R	**5**	CLASSROOM RECEPTACLES	20	1	12	900			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	5156	4821	
25%:	0	96	
SUB:	0	0	
TOT:	5156	4917	
AMPS	43	41	

LOAD (VA) LOAD TYPE LEGEND

2520	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 400A 120/208V, 3PH, 4W
MAIN: 400A MAIN CIRCUIT BREAKER
SPACES: 30 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL DP12

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (12)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	PHASE C	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720				1	20	SPARE	**2**				
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900						**4**				
1.86%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12			900	8	2	50	HP/FC-12	**6**	M	5,8	35	**0.71%**
											3536									
				7	SPARE	20	1		3536			8	-	-		**8**	M	5,8	35	**0.71%**
1.06%	100	1,8	L	**9**	CLASSROOM LTG.	20	1	12		385						**10**				
				11	SPARE	20	1									**12**				
				13	SPACE	20	1									**14**				
		8	N	**15**	P16	SLD	2	-		4976		SLD	2	SLD	P13	**16**	N	8		
		8	N	**17**		-	-	-	4976							**18**	N	8		
										4917										
		8	N	**19**	P17	SLD	2	-	4976			SLD	2	SLD	P14	**20**	N	8		
									5156											
		8	N	**21**		-	-	-		4917						**22**	N	8		
				23	SPARE	20	1				5156	SLD	2	SLD	P15	**24**	N	8		
2.06%	150	1,3	L	**25**	EXTERIOR LTG	20	1	12	500							**26**	N	8		
									4917											
				27	SPACE											**28**				
0.41%	75	4	N	**29**	FACP	20	1	12			200					**30**				

SERVICE ENTRANCE LISTED PANELBOARD

CON:	19805	21072	19627
25%:	125	96	0
SUB:	0	0	0
TOT:	19930	21168	19627
AMPS	166	176	164

LOAD (VA) LOAD TYPE LEGEND

2520	R	RECEPTACLE
3340	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
885	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
50026.25	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P15

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (15)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-15	**2**	M	5,8	50	**1.10%**
									3536										
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	50	**1.10%**
										3536									
1.86%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	900			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	4976	4821	
25%:	0	96	
SUB:	0	0	
TOT:	4976	4917	
AMPS	41	41	

LOAD (VA) LOAD TYPE LEGEND

2340	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P10

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (10)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-10	**2**	M	5,8	75	**1.65%**
									3536										
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	75	**1.65%**
										3536									
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.32%	125	1	L	**7**	CLASROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPACE									SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	4976	4821	
25%:	0	96	
SUB:	0	0	
TOT:	4976	4917	
AMPS	41	41	

LOAD (VA) LOAD TYPE LEGEND

2340	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P16

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (16)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-16	**2**	M	5,8	40	**0.88%**
									3536										
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	40	**0.88%**
										3536									
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	4976	4821	
25%:	0	96	
SUB:	0	0	
TOT:	4976	4917	
AMPS	41	41	

LOAD (VA) LOAD TYPE LEGEND

2340	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

(N) PANEL P11

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (11)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		8	2	50	HP/FC-11	**2**	M	5,8	75	**1.65%**
									3536										
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	8	-	-	-	**4**	M	5,8	75	**1.65%**
										3536									
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASSROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	4976	4821	
25%:	0	96	
SUB:	0	0	
TOT:	4976	4917	
AMPS	41	41	

LOAD (VA) LOAD TYPE LEGEND

2340	R	RECEPTACLE
385	L	LIGHTING (125% OF CONNECTED LOAD CEC 215.2)
7072	M	MECHANICAL
0	K	KITCHEN APPLIANCE
0	N	NON-CONTINUOUS MISC.
0	C	CONTINUOUS MISC. (125% OF CONNECTED LOAD CEC 215.2)

BUS RATING: 100A 120/208V, 1PH, 3W
MLO: MAIN LUGS ONLY
SPACES: 24 FULL SIZE BOLT-ON CB SPACES
AIC RATING: 14 KAIC PANEL

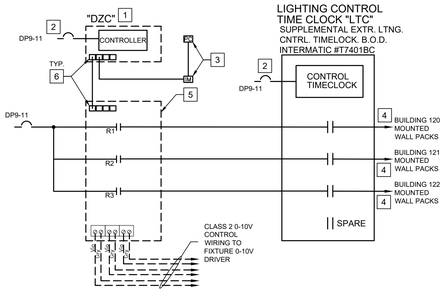
(N) PANEL P17

FLUSH MOUNT, NEMA 1
LOCATION: CLASSROOM (17)
WITH EQUIPMENT GND BUS

CONNECTED VA

CKT %VD	DBT (FT)	NOTES	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	PHASE B	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	NOTES	DBT (FT)	CKT %VD
0.89%	45	8	R	**1**	CLASSROOM RECEPTACLES	20	1	12	720		6	2	60	HP/FC-17	**2**	M	5,8	80	**1.11%**
									3536										
1.61%	65	8	R	**3**	CLASSROOM RECEPTACLES	20	1	12		900	6	-	-	-	**4**	M	5,8	80	**1.11%**
										3536									
1.49%	75	8	R	**5**	CLASSROOM RECEPTACLES	20	1	12	720			1	20	SPARE	**6**				
1.06%	100	1	L	**7**	CLASROOM LTG.	20	1	12		385		1	20	SPARE	**8**				
				9	SPARE	20	1							SPACE	**10**				
				11	SPACE									SPACE	**12**				
				13	SPACE									SPACE	**14**				
				15	SPACE									SPACE	**16**				
				17	SPACE									SPACE	**18**				
				19	SPACE									SPACE	**20**				
				21	SPACE									SPACE	**22**				
				23	SPACE									SPACE	**24**				

CON:	4976	4821	
25%:	0	96	
SUB:	0



☐ REFERENCE NOTES

1. DIGITAL ZONE CONTROLLER "DZC" WITH INTEGRAL ASTRONOMICAL TIME CLOCK PER CALIFORNIA ENERGY CODE (CEnC 130.2(d)1 & 2). PROGRAM PER OWNER AND TITLE 24 REQUIREMENTS. SEE PANEL SCHEDULE ON THIS SHEET.
2. DEDICATED CIRCUIT TO CONTROLLER(S) POWER SUPPLY.
3. PROVIDE NEW PHOTOCELL (WATTSTOPPER LMPO-200) AT ROOF. (ORIENT WINDOW NORTH). PROVIDE 1/2"C DOWN TO PHOTOCELL INPUT MODULE (LMIO-301) WITH (2)#18 AWG, THEN PROVIDE LMRJ CABLE CONNECTION BETWEEN PHOTOCELL INPUT MODULE AND DIGITAL ZONE CONTROLLER "DZC".
4. TO LIGHTING FIXTURES, SEE SITE PLAN AND FLOOR PLANS.
5. DEDICATED EXTERIOR LIGHTING ROOM CONTROLLER (WATTSTOPPER LMRC-212, EQUIPPED WITH TWO 0-10V RELAYS FOR SWITCHING AND DIMMING CAPABILITY TO SATISFY CEnC 130.2(c)2.A & B). CONNECT TO WATTSTOPPER DLM ZONE CONTROLLER (LMZC-301; LOCATION PER LIGHTING FLOOR PLAN) TO ENABLE SCHEDULED EVENTS AND ASTRONOMICAL TIME CLOCK CONTROL OF EXTERIOR LUMINAIRES. ROOM CONTROLLER REQUIRES CONSTANT HOT INPUT.
6. RJ45 PORTS FOR CONNECTION OF DEVICES TO WATTSTOPPER DLM NETWORK VIA LMRJ SERIES PRE-TERMINATED CABLES OR CAT5E.

DIGITAL ZONE CONTROLLER SCHEULE

"DZC" WATTSTOPPER LMZC-301

LOCATED: ELEC/IT ROOM
CONTROL POWER CIRCUIT: K-12

CONNECT TO EXTERIOR LIGHTING ROOM CONTROLLER (LMRC-212) VIA WATTSTOPPER LMRJ CABLE

NEMA 1 ENCLOSURE
FLUSH _
SURFACE X

RELAY NO.	INPUT VA	CIRCUIT NO.	LOAD DESCRIPTION	SCHEDULED CONTROL DESCRIPTION	NOTES
R1	120	K-2	EXT. BLDG. 120 WALLPACK LTG	DUSK ON / TIMECLOCK OFF	1,4,5
R2	325	K-2	EXT. BLDG. 121 WALLPACK LTG	DUSK ON / TIMECLOCK OFF	1,4,5
R3	325	K-2	EXT. BLDG. 122 WALLPACK LTG	DUSK ON / TIMECLOCK OFF	1,4,5

NOTES:
1. PROGRAM RELAY FOR DUSK 'ON' WITH PROGRAMMED 'OFF' PER OWNER TIME SCHEDULE.
2. PROGRAM RELAY FOR DUSK TO DAWN (NIGHT LIGHT) OPERATION.
3. PROGRAM RELAY TO DIM TO 50% WHEN UNOCCUPIED AND 100% WHEN OCCUPIED.
4. EXTEND 0-10V WIRES TO FIXTURE(S) FOR DIMMING CONTROL CAPABILITY.
5. INCLUDE AN UNSWITCHED HOT LEG OF LIGHTING CIRCUIT TO PROVIDE CONTINUOUS CHARGING OF EMERGENCY BATTERY PACKS OR TO SERVE OTHER ROOMS WITH LOCAL CONTROLS.

* INCLUDE EXTERIOR PHOTOCELL (WATTSTOPPER LMPO-200 WITH CONNECTION TO WATTSTOPPER PHOTOCELL INPUT MODULE LMIO-301) INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATION TO CONTROL DUSK TO DAWN, AND DUSK TO TIME CLOCK OFF OPERATIONS.
* PROVIDE LOW VOLTAGE OVERRIDE SWITCH ADJACENT TO PANEL WITH WEATHER PROOF LOCKABLE COVER. PROGRAM SWITCH FOR 2-HOUR OVERRIDE OF ALL EXTERIOR LIGHTING RELAYS. LABEL SWITCH "OVERRIDE".

3 EXTERIOR LIGHTING CONTROL DIAGRAM
NTS

1 LUMINAIRE SCHEDULE
NTS

TYPE	ILLUSTRATION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	TOTAL INPUT WATTS (W)	LAMP TYPE	NOMNAL LUMEN OUTPUT (L)	LAMP COLOR TEMP (K)	MOUNTING TYPE	WEIGHT (LBS)	DESCRIPTION	REMARKS
A2/ A2EM		LITHONIA	2BLT4-60L-ADP-GZ10-LP840 EM: EM10WLCP	120/277	48	LED	6112	4000	RECESSED 1/E0.9	17	2'X4' LED TROFFER WITH CURVED, RIBBED DIFFUSER, 0-10V DIMMING TO 10%.	
C1/ C1EM		LITHONIA	STL4-40L-GZ10-LP840 EM: E10WLCP	120/277	35	LED	3979	4000	SURFACE 2/E0.9	13	1'X4' LED SURFACE WRAP WITH 0-10V DIMMING TO 10% AND WHITE FINISH.	
S1/ S1EM		CURRENT / EXO LIGHTING	LNC2-48L-20-4K7-3-UNV-DBT EM: E	120/277	20	LED	2234	4000	SURFACE 2/E0.9	10	LED WALL PACK WITH TYPE 3 DISTRIBUTION AND DARK BRONZE MATTE TEXTURED FINISH.	CONFIRM FINISH WITH ARCHITECT PRIOR TO ORDERING. B-0, U-0, G-1.
S2/ S2EM		KENALL LIGHTING	MS15FD-PP-MW-25L40K-DV EM: LEL	120/277	25	LED	3258	4000	SURFACE 2/E0.9	18	LED UNDER CANOPY LUMINAIRE WITH FULL FACE, 0-10V DIMMING TO 1% AND WHITE MATTE FINISH. WET LOCATION LISTED.	CONFIRM FINISH WITH ARCHITECT PRIOR TO ORDERING. B-1 U-3 G-1
X1EM		LITHONIA	LE-S-W-1-R-EL N	120/277	2	LED	N/A	N/A	SURFACE 2/E0.9	5	LED EMERGENCY EXIT SIGN, 90-MINUTE BATTERY OPERATION (CA T20 COMPLAINT), WHITE HOUSING, SINGLE SIDED WHITE FACE, RED LETTERS.	MOUNT PER MANUFACTURERS RECOMMENDATIONS

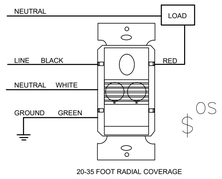
LUMINAIRE SCHEDULE NOTES

1. ILLUSTRATIONS AND/OR DIMENSIONS ARE APPROXIMATIONS ONLY INTENDED TO REPRESENT BASIC FIXTURE TYPE. DO NOT USE AS EXACT INFORMATION SOURCE. REFER TO MANUFACTURER CUT SHEETS.
2. EXACT LOCATIONS: BEFORE CONSTRUCTION, VERIFY WITH ARCHITECT EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES. SEE ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS AS APPLICABLE.
3. FIXTURE BRANCH CIRCUIT THROUGH-WIRING: VERIFY AND COMPLY WITH FIXTURE MANUFACTURER RESTRICTIONS AS DETERMINED BY UL. & NEC.
4. VERIFY CEILING TYPES/FINISHES FOR ALL RECESSED FIXTURES PRIOR TO FORWARDING SUBMITTALS.
5. LIGHTING FIXTURES MAY COME DIMMABLE AS A STANDARD PRODUCT, BUT MAY NOT NECESSARILY BE USED IN DIMMING APPLICATIONS. WHEN USED IN DIMMING APPLICATIONS, PROVIDE COMPATIBLE DIMMING EQUIPMENT. REFER TO LIGHTING PLANS FOR FIXTURE DIMMING LOCATIONS.
6. ALL LIGHTING FIXTURES FURNISHED SHALL BE PROVIDED WITH AUXILIARY EQUIPMENT AS REQUIRED TO BE FULLY COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM PROVIDED (WATTSTOPPER COMPATIBLE). FOR CLARIFICATION ALL REQUIRED EQUIPMENT MAY NOT NECESSARILY BE SHOWN. CONTRACTOR TO VERIFY AND INCLUDE INFORMATION IN SUBMITTALS FOR REVIEW.
7. LIGHTING CONTROL SYSTEM BASIS OF DESIGN IS WATTSTOPPER; ALTERNATE MANUFACTURER NOT PERMITTED PER OWNER REQUEST.
8. PROVIDE UNSWITCHED HOT LEG OF FIXTURE BRANCH CIRCUIT TO FIXTURES WITH INTEGRAL BATTERY PACKS FOR CONTINOUS BATTERY CHARGING.

SWITCH TYPE	ENGRAVING	ZONES CONTROLLED	BUTTON PROGRAM	FUNCTION	APPLICABLE ROOMS
$ LV2D LMSW-241-W	ON/OFF	REFER TO FLOOR PLAN	ON/OFF	PRESS FOR ON/OFF	CLASSROOMS
	ON/OFF	REFER TO FLOOR PLAN	ON/OFF	PRESS FOR ON/OFF	
	ON/OFF	REFER TO FLOOR PLAN	ON/OFF	PRESS FOR ON/OFF	
	ALL ON/OFF	REFER TO FLOOR PLAN	ON/OFF	PRESS FOR ON/OFF	
	ONCE AREA HAS BEEN ENABLE USE ARROWS TO RAISE LOWER LUMINAIRES WITHIN THAT ZONE				

4 SWITCH ELEVATION AND SCHEDULES
NTS

DW 100
LINE VOLTAGE
SINGLE POLE WALL OCC SENSOR
(NOTE: DW 200 SWITCH SIMILAR EXCEPT TWO-POLE WIRING CAPABLE)



20-35 FOOT RADIAL COVERAGE

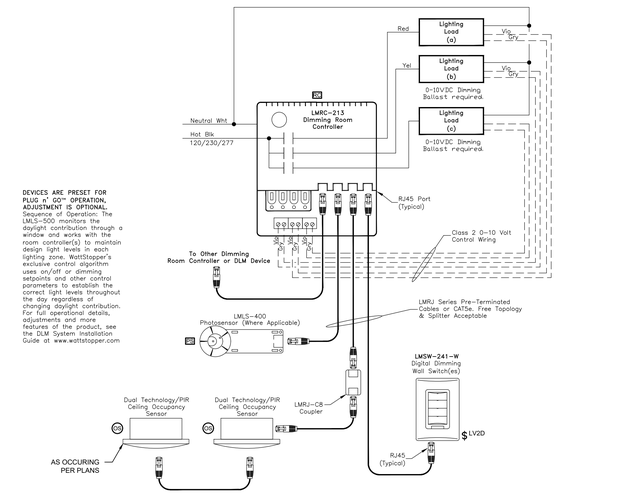
5 LINE VOLTAGE SWITCH ELEVATION
NTS

LIGHTING CONTROLS SYMBOL LEGEND

SYMBOL	PRODUCT # WATTSTOPPER (UON)	DESCRIPTION
LV4D $	LMSW-241-W	2 CHANNEL, 4 BUTTON ON/OFF TOGGLE WITH DIMMING LOW VOLTAGE; ON / OFF / RAISE / LOWER CONTROL
RC	LMRC-213-U	20 AMP, THREE RELAY ROOM CONTROLLER WITH 0-10V DIMMING CONTROL
OS	LMDC-100	STANDARD RANGE 360° SENSOR-CEILING MOUNT, LOW VOLTAGE, DUAL TECHNOLOGY OCCUPANCY SENSOR
DZC	LMZC-301	DLM ZONE CONTROLLER PROVIDES TIME OF DAY AND ASTRONOMICAL FUNCTIONS, AS WELL AS EVENT-BASED SCHEDULE ROUTINES, TO REMOTE DLM DEVICES.
PS	LMLS-500	MULTI-ZONE (3 ZONE MAX) SWITCHING AND DIMMING OPEN LOOP PHOTOSENSOR
OS $	DW-100	OCCUPANCY SENSOR WALL SWITCH, SINGLE-BUTTON, LINE VOLTAGE, DUAL TECHNOLOGY, STANDARD RANGE
OS,2P $	DW-200	OCCUPANCY SENSOR WALL SWITCH, TWO-BUTTON/RELAY, LINE VOLTAGE, DUAL TECHNOLOGY, STANDARD RANGE

GENERAL NOTES

1. FOR THE LIGHTING CONTROL SYSTEM; OPEN CABLE INSTALLATION OF CAT 5 IN ACCESSIBLE CEILING SPACE IS ACCEPTABLE. CONDUIT SLEEVES SHALL BE PROVIDE AT ANY AREAS WITH INACCESSIBLE OR HARD LID CEILINGS.
2. OPEN CABLE INSTALLATION OF CAT 5 IN ACCESSIBLE CEILING SPACE SHALL BE INSTALLED IN AN ORGANIZED WORKMAN LIKE MANNER WITH J-HOOKS AND/OR CABLE SUPPORTS AT 8FT O.C. MINIMUM.
3. 0-10V CONTROL CABLE SHALL BE 600V RATED #18 THWN CU, OR AS PER LIGHTING CONTROL MANUFACTURERS REQUIREMENTS. INSTALLED IN LIGHTING BRANCH CIRCUIT CONDUITS.
4. LOCATE ROOM CONTROLLER ABOVE CEILINGS IN A CONSISTENT MANNER AT EACH ROOM TYPE. TYPICALLY LOCATE THE ROOM CONTROLLERS ABOVE THE LIGHTING CONTROL SWITCH(ES).



DEVICES ARE PRESET FOR PLUG n' GO™ OPERATION, ADJUSTMENT IS OPTIONAL. Sequence of Operation: The LMLS-500 monitors the daylight contribution through a window and works with the room controller(s) to maintain design light levels in each lighting zone. WattStopper's exclusive control algorithm uses on/off or dimming setpoints and other control parameters to establish the correct light levels throughout the day regardless of changing daylight contribution. For full operational details, adjustments and more features of the product, see the DLM System Installation Guide at www.wattstopper.com

2 TYPICAL ROOM CONTROLLER WITH THREE 0-10V RELAY WIRING DIAGRAM
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
REN. 8-30-27
NO. C-24673
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. [illegible]
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
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LUMINAIRE SCHEDULE

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.5

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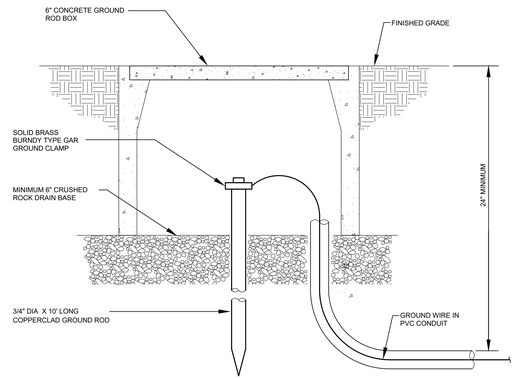
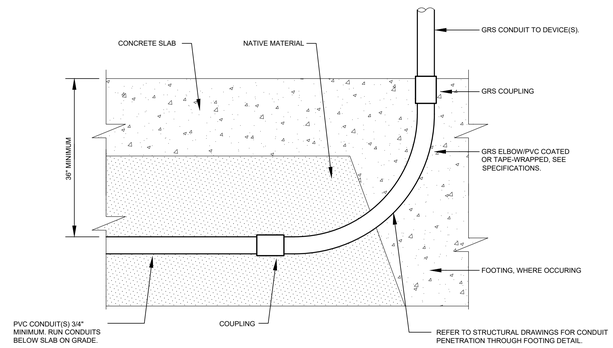
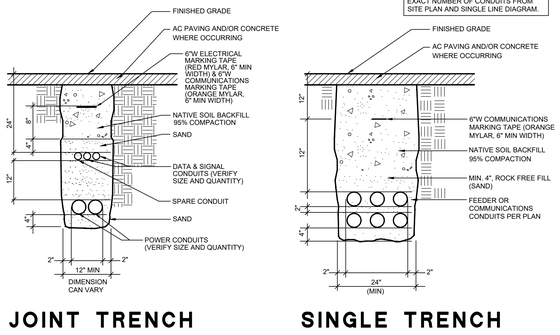
7 NOT USED
SCALE: NTS

4 GROUND ROD/GROUND WELL
SCALE: NTS



1 CONDUIT RISER DETAIL
SCALE: NTS





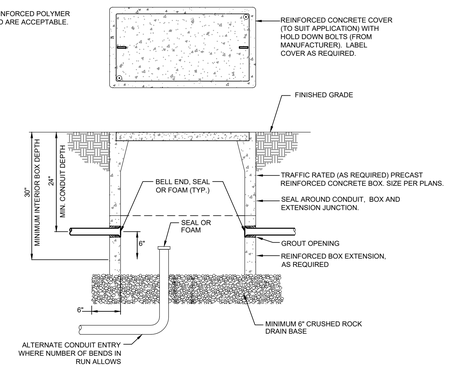
GENERAL NOTE:

REFER TO CIVIL DRAWINGS FOR JOINT TRENCH WITH OTHER UTILITIES.

8 JOINT TRENCH DETAIL
SCALE: NTS

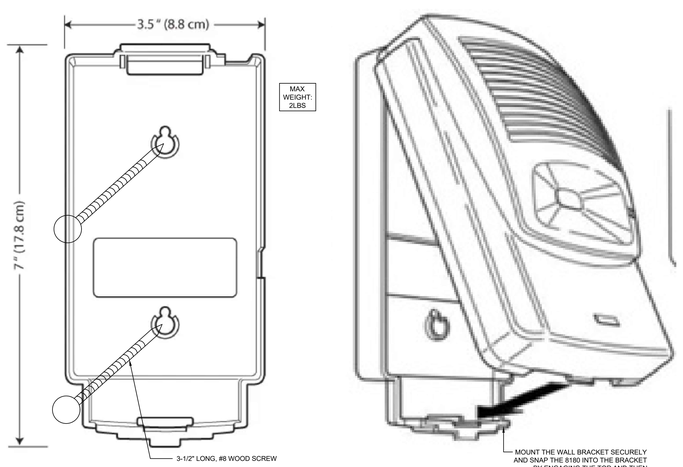
NOTES:

1. PULL BOXES SHALL BE TRAFFIC RATED WHERE REQUIRED.
2. PULLBOXES CONSTRUCTED OF REINFORCED POLYMER WITH TRAFFIC RATING IF REQUIRED ARE ACCEPTABLE.

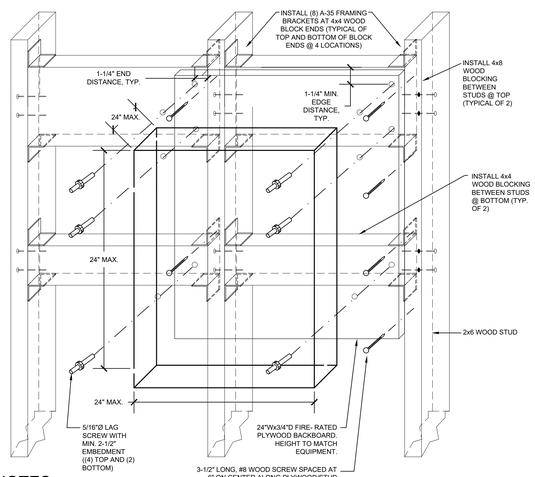


PULLBOX INSTALLATION TO COMPLY WITH SLCUSD STANDARDS

5 TYPICAL PULL BOX, SMALLER THAN 24" X 36"
SCALE: NTS



9 PoE SPEAKER MOUNTING DETAIL
SCALE:

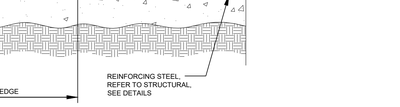


NOTES:

1. CABINET SHALL NOT SUPPORT MORE THAN 100LBS (INCLUDING CABINET WEIGHT).

MAXIMUM IDF CABINET WEIGHT: 100 LBS.

6 SURFACE MOUNTED IDF CABINET
SCALE:



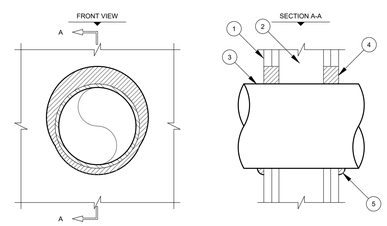
NOTES:

1. INSTALL ANCHORS AT EACH CORNER OF THE EQUIPMENT.
2. COORDINATE INSTALLATION WITH STRUCTURAL DETAILS.

2 TRANSFORMER MOUNTING DETAIL
SCALE:

F-RATING = 1-HR. OR 2-HR.
T-RATING = 0-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM/SQ.FT.
L-RATING AT 400°F = LESS THAN 1 CFM/SQ.FT.

1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300, U400, OR V400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 30" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" NOMINAL DIAMETER CAST IRON OR DUCTILE IRON PIPE).
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE OR TUBING.
   D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. HILTI CP 606 FLEXIBLE FIRESTOP SEALANT:
   A. MINIMUM 5/8" DEPTH OF SEALANT FOR A 1-HR. FIRE-RATING.
   B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR A 2-HR. FIRE-RATING.
5. MINIMUM 1/2" BEAD HILTI CP 606 FLEXIBLE FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.



NOTES:

1. MAXIMUM DIAMETER OF OPENING = 8".
2. ANNULAR SPACE IN 1-HR. WALLS = MINIMUM 0", MAXIMUM 1".
3. ANNULAR SPACE IN 2-HR. WALLS = MINIMUM 0", MAXIMUM 2".
4. PENETRANT MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45° FROM PERPENDICULAR.

3 METAL PIPE THROUGH 1 -HR OR 2 -HR GYPSUM WALL
SCALE: NTS

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REGISTERED PROFESSIONAL ENGINEER
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EXPIRES: 09/30/26
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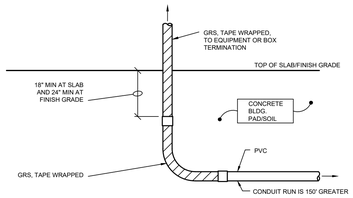
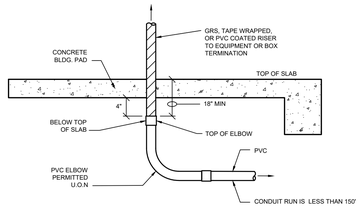
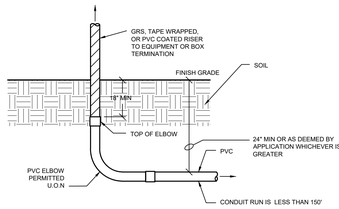






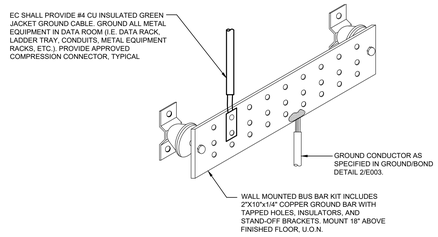
NOTES:

UNDERGROUND CONDUITS AND TRANSITION TO ABOVE GRADE/SLAB SHALL BE AS FOLLOWS:

1. PVC ELBOWS ALLOWED IF TOP OF ELBOW IS MINIMUM 18" BFG OR BELOW TOP OF SLAB, OTHERWISE GRS, TAPE WRAPPED, ELBOWS ARE REQUIRED.
2. GRS ELBOWS ARE REQUIRED IF CONDUIT RUN IS 150' GREATER.
3. GRS RISERS ARE REQUIRED FROM ELBOW BELOW GRADE TO EQUIPMENT (DEVICE, OUTLET, PANEL, CABINET, ETC.) ABOVE GRADE.
4. GRS ELBOWS/RISERS TO BE TAPED WRAPPED (1/2" LAPPED) TO 3" ABOVE FINISH GRADE OR TOP OF SLAB.
5. REFER TO DETAILS 4/ENV-D1 & 5/ENV-D1 FOR TYPICAL VAPOR BARRIER PENETRATION.

7 UNDERGROUND CONDUIT TRANSITIONS (GRADE/SLAB)

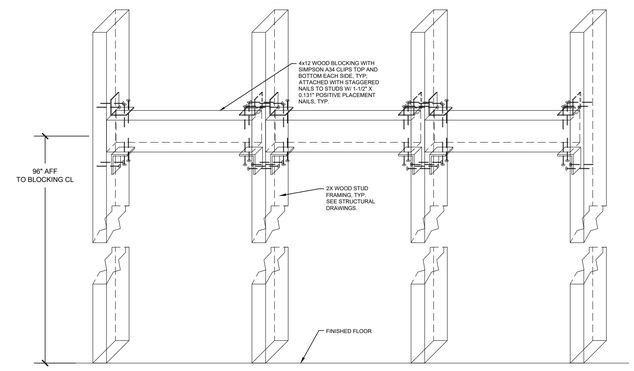
SCALE: NTS



NOTE:
- PROVIDE A GROUND BAR PER THIS DETAIL IN CUSTOMER DATA ROOM.

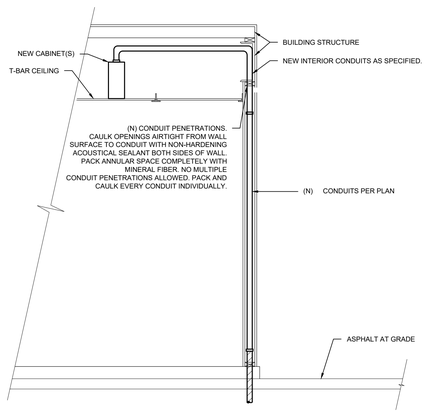
4 TYP. TELECOM GROUND BAR

SCALE: NTS



1 BLOCKING FOR TELEVISION

SCALE: NTS



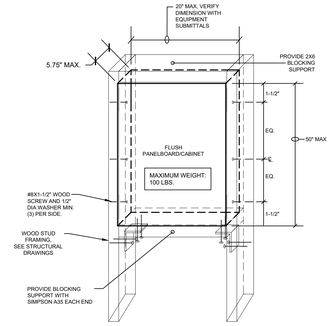
5 COMM SYSTEM CONDUITS ON BUILDING

SCALE: NTS

GENERAL NOTES:

1. ALL SCREWS SHALL BE INSTALLED INTO PRE-DRILLED LEAD HOLES
2. SQUARE D NQ/NF PANEL OSP-0016-10
3. WHERE ENCLOSURE WIDTH EXCEEDS STUD BAY WIDTH, THE ENCLOSURE WILL BE MOUNTED AT THE CENTER LINE OF A STUD AND HAVE WOOD BLOCKING INSTALLED ON BOTH SIDES OF THE STUD FOR ENCLOSURE ATTACHMENT.

PLEASE SEE STRUCTURAL V2 CALCULATIONS SECTION MISCELLANEOUS ELECTRICAL ANCHORAGE DESIGN – FLUSH MOUNT CABINET ANCHORAGE FOR CONNECTION CALCULATIONS.

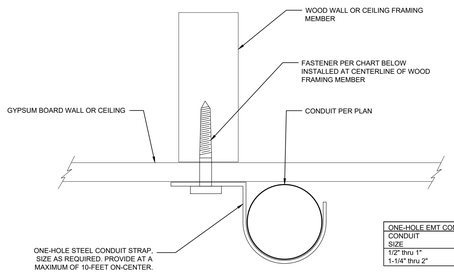


FLUSH MOUNT

2 TYP. FLUSH MOUNTED PANEL/CABINET DETAIL

SCALE: NTS

MAXIMUM WEIGHT: 100 LBS.



ONE-HOLE EMT CONDUIT STRAPS		
CONDUIT SIZE	FASTENER DIA	FASTENER EMBED
1/2" thru 1"	3/16"	1-1/4"
1-1/4" thru 2"	1/2"	2-1/4"

8 CONDUIT STRAP ANCHORAGE

SCALE: NTS

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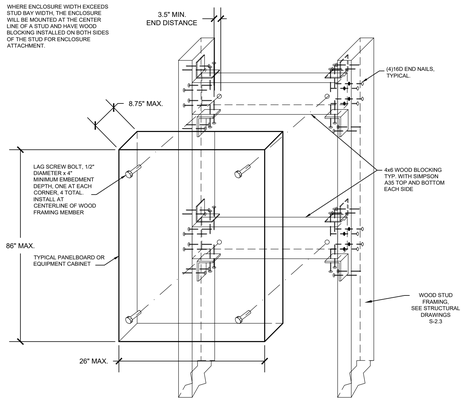
PLEASE SEE STRUCTURAL V2 CALCULATIONS SECTION MISCELLANEOUS ELECTRICAL ANCHORAGE DESIGN – SURFACE MOUNT CABINET ANCHORAGE FOR CONNECTION CALCULATIONS.

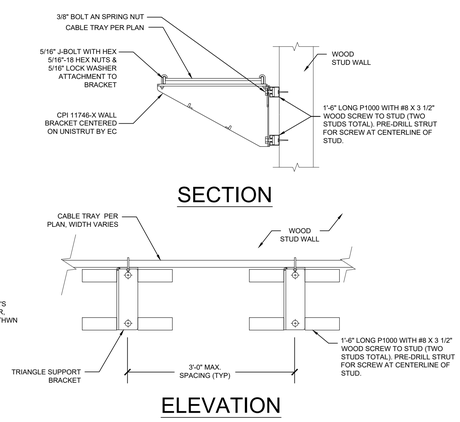


SURFACE MOUNT

6 TYP. SURFACE MOUNTED PANEL/CABINET DETAIL

SCALE: NTS

MAXIMUM WEIGHT: 305 LBS.



SECTION

NOTES:
1. EC SHALL BOND ALL CABLE TRAY ELEMENTS WITH MANUFACTURER'S APPROVED BONDING CONNECTOR, CONNECTED BY GREEN #6 AWG, TWWN CONDUCTOR.
2. MAX WEIGHT IS 25LBS/FT.

ELEVATION

3 WALL MOUNT LADDER TRAY

SCALE: NTS

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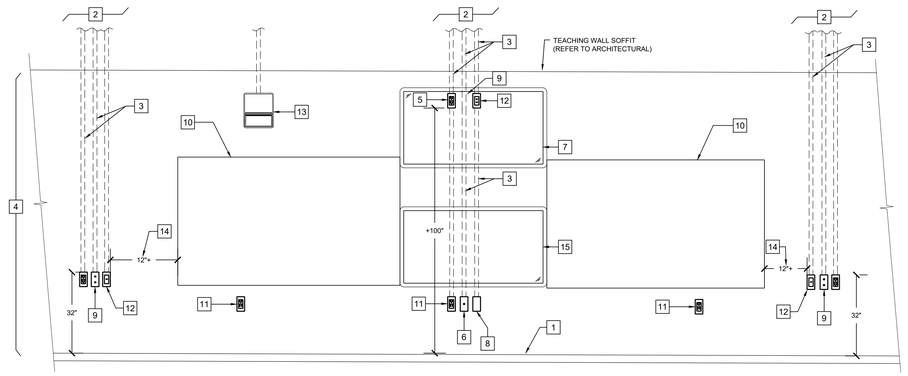
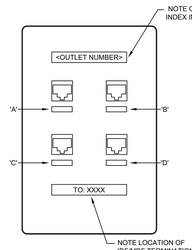


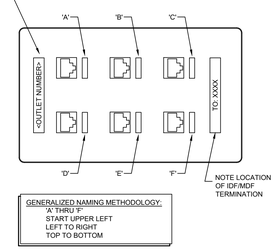
☐ REFERENCE NOTES

1. FINISHED FLOOR.
2. ACCESSIBLE CEILING SPACE.
3. (N)(2) 1-1/4" CONDUITS (LOW VOLTAGE CABLING) TO ACCESSIBLE CEILING SPACE.
4. FINISHED WALL. REFER TO ARCHITECTURAL ELEVATIONS FOR DEVICE MOUNTING HEIGHTS. COORDINATE WITH OWNER PRIOR TO ROUGH-IN.
5. (N) DUPLEX RECEPTACLE PROVIDED BEHIND TELEVISION. EXACT LOCATION TO BE COORDINATED PRIOR TO ROUGH-IN WITH TELEVISION MOUNTING HARDWARE AND VERIFIED WITH DISTRICT REPRESENTATIVE.
6. SINGLE-PORT DATA OUTLET IN TRUE 5S BACKBOX AS SHOWN ON PLAN. FIELD VERIFY FINAL LOCATION WITH DISTRICT REPRESENTATIVE PRIOR TO ROUGH-IN.
7. TELEVISION AND TELEVISION MOUNT SHALL BE INSTALLED BY OWNER. PROVIDE BLOCKING PER DETAIL 1/E0.7.
8. 5S BACKBOX WITH SINGLE GANG MUD RING WITHOUT CABLES AND BLANK FACEPLATE.
9. 2-PORT DATA OUTLET IN TRUE 5S BACKBOX AS SHOWN ON PLAN. FIELD VERIFY FINAL LOCATION WITH DISTRICT REPRESENTATIVE PRIOR TO ROUGH-IN.
10. WHITE BOARDS PER ARCHITECTURAL PLANS. WHITEBOARD LOCATION IN ELEVATION VIEW DOES NOT REFLECT ACTUAL CONDITION, REFER TO ARCHITECTURAL SHEETS FOR REQUIREMENTS. CONFIRM LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
11. (N) DUPLEX RECEPTACLE MOUNTED BELOW WHITE BOARD AT 18" AFF UNLESS OTHERWISE NOTED. (+15" MINIMUM AFF TO BOTTOM OF BOX)
12. HDMI BRUSHED PASS-THROUGH 4-11/16" SQUARE BACKBOX WITH WALL PLATE IN MULTI-GANG CONFIGURATION.
13. VOIP SPEAKER. 5S BOX WITH SINGLE-GANG PLASTER RING. 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
14. MAINTAIN 12" SEPARATION FROM WHITEBOARD EDGE. MAINTAIN 32" BOX HEIGHT (TOP OF BOX). REFER TO ARCH FOR ACTUAL WHITE BOARD DIMENSIONS.
15. NEW SMART BOARDS (BY DISTRICT). CONTRATOR TO FIELD COORDINATE FINAL LOCATION AND INSTALL.

VERTICAL ORIENTATION



HORIZONTAL ORIENTATION

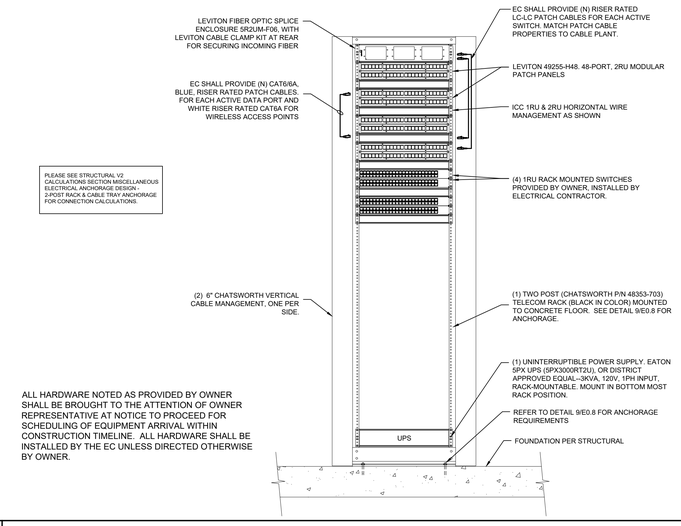


GENERALIZED NAMING METHODOLOGY:
'A' THRU 'F'
START UPPER LEFT
LEFT TO RIGHT
TOP TO BOTTOM

NOTES:
- ALL JACK LOCATIONS ASSIGNED BY POSITION IN ROOM, SEE "DATA OUTLET NAMING CONVENTIONS WITHIN ROOM" DETAIL FOR ASSIGNMENT METHODOLOGY.
- ALL JACKS TERMINATED AS T568B PINOUT.
- ALL JACKS COLOR TO MATCH INCOMING CABLE PLANT.
- PROVIDE IDENTICAL LABEL AT CORRESPONDING PATCH PANEL LOCATION AND ON CABLE PLANT ITSELF.

7 RECESSED MEDIA - TEACHING WALL

SCALE: NTS



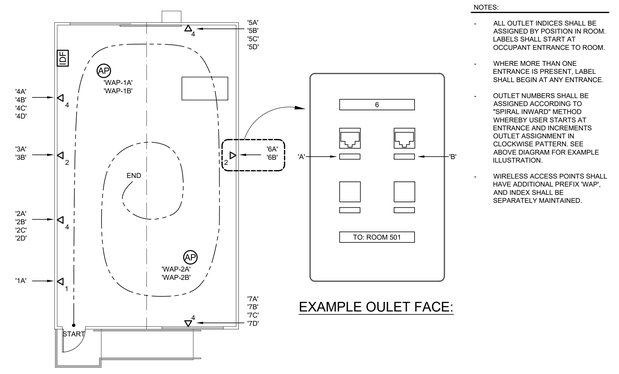
8 2-POST TELECOM RACK ELEVATION

SCALE: NTS

MAXIMUM WEIGHT = 1000 LBS.

5 DATA OUTLET NAMING CONVENTIONS WITHIN ROOM

SCALE: NTS

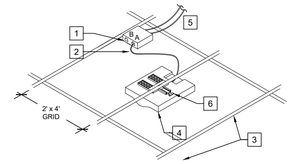


NOTES:
- ALL OUTLET INDICES SHALL BE ASSIGNED BY POSITION IN ROOM. LABELS SHALL START AT OCCUPANT ENTRANCE TO ROOM.
- WHERE MORE THAN ONE ENTRANCE IS PRESENT, LABEL SHALL BEGIN AT ANY ENTRANCE.
- OUTLET NUMBERS SHALL BE ASSIGNED ACCORDING TO "SPIRAL INWARD" METHOD WHEREBY USER STARTS AT ENTRANCE AND INCREMENTS OUTLET ASSIGNMENT IN CLOCKWISE PATTERN. SEE ABOVE DIAGRAM FOR EXAMPLE ILLUSTRATION.
- WIRELESS ACCESS POINTS SHALL HAVE ADDITIONAL PREFIX 'WAP', AND INDEX SHALL BE SEPARATELY MAINTAINED.

EXAMPLE OULET FACE:

1 DATA OUTLET NAMING CONVENTIONS AT FACEPLATE

SCALE: NTS



GENERAL NOTES

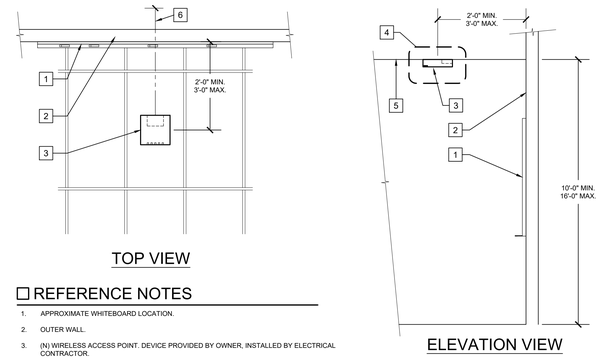
ALL HARDWARE NOTED AS "PROVIDED BY OWNER" SHALL BE BROUGHT TO THE ATTENTION OF OWNER REPRESENTATIVE AT NOTICE TO PROCEED FOR SCHEDULING OF EQUIPMENT ARRIVAL WITHIN CONSTRUCTION TIMELINE. ALL HARDWARE SHALL BE INSTALLED BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY OWNER.

☐ REFERENCE NOTES

1. 2-PORT BISCUIT MOUNTED IN ACCESSIBLE CEILING SPACE. CONTRACTOR SHALL PROVIDE LABELS FOR EACH CABLE AT BISCUIT, AND SHALL TERMINATE (FEMALE) AND TEST BOTH CABLES, AND PROVIDE TEST RESULTS TO OWNER.
2. (1) (N) WHITE, 2-METER CAT6A PATCH CABLE BETWEEN NEW WIRELESS ACCESS POINT AND CAT6A TERMINATION BISCUIT. PATCH CABLE SHALL BE INSERTED INTO RJ-45 PORT LABELED 'PoE' ON WIRELESS ACCESS POINT, AND 'A' CABLE ON BISCUIT.
3. T-BAR CEILING. PENETRATIONS THROUGH CEILING TILES SHALL BE SEALED SO AS TO MAINTAIN FIRE RATING OF CEILING TILE IF APPLICABLE.
4. (N) WIRELESS ACCESS POINT (NOT TO EXCEED 18"X18"X6", WEIGHING NO MORE THAN 8 LBS), TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER OF ACCESS POINT QUANTITIES AND LOCATIONS A MINIMUM OF 6-WEEKS PRIOR TO INSTALLATION DATE.
5. (2) (N) WHITE CAT6A CABLES FROM IDF TO BISCUIT. ALL CAT6A CABLE AND TERMINATION HARDWARE (INCLUDING MODULAR JACKS, PATCH CABLES, ETC.) SHALL BE WHITE IN COLOR.
6. WAP MANUFACTURER PROVIDED T-BAR MOUNTING CLIP. ADHERE STRICTLY TO MANUFACTURER PROVIDED INSTALLATION INSTRUCTIONS.

2 INDOOR WIRELESS ACCESS POINT T-BAR MOUNTING

SCALE: NTS



TOP VIEW

ELEVATION VIEW

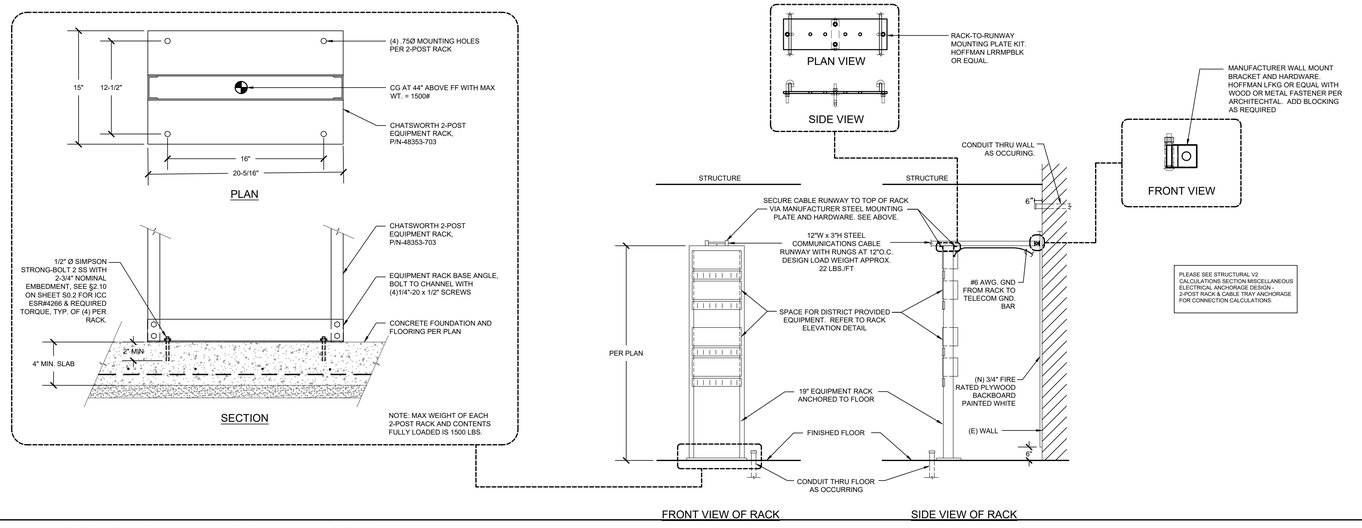
☐ REFERENCE NOTES

1. APPROXIMATE WHITEBOARD LOCATION.
2. OUTER WALL.
3. (N) WIRELESS ACCESS POINT. DEVICE PROVIDED BY OWNER, INSTALLED BY ELECTRICAL CONTRACTOR.
4. SEE MOUNTING DETAIL 9 ON THIS SHEET.
5. ROOM FINISHED CEILING.
6. COORDINATE WAP CENTERLINE TO WITHIN 24" OF TEACHING SPACE CENTERLINE.

9 2-POST RACK & CABLE TRAY ANCHORAGE

SCALE: NTS

MAXIMUM WEIGHT = 1500 LBS.



FRONT VIEW OF RACK

SIDE VIEW OF RACK

3 INDOOR WAP LOCATION (TYP. T-BAR CEILING)

SCALE: NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24673
REN. 8-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. JOHNSON
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empleo St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

ELECTRICAL DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.8

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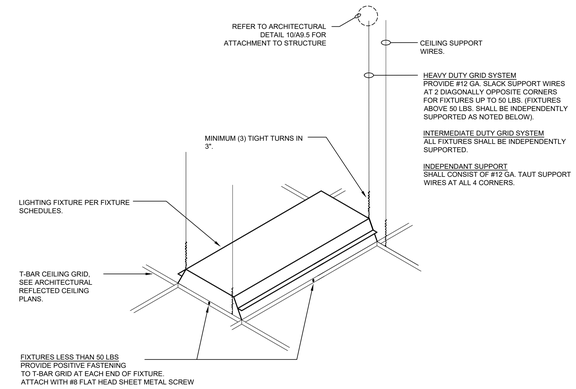

1 LAY-IN TROFFER FIXTURE MOUNTING DETAIL

SCALE: NTS

☐ REFERENCE NOTES

1. SMALL SURFACE MOUNTED LIGHT FIXTURE (20 LBS OR LESS).

2. FRAMING ABOVE OR BLOCKING WITH A35 CLIP AT EACH END.

3. PROVIDE 3x6 BLOCKING WITH A35 CLIP AT EACH END WHERE VERTICAL STUD IS NOT AVAILABLE FOR ATTACHMENT.

4. ATTACH WITH #8x1-1/2" WOOD SCREW AND 1/2" DIAMETER WASHER. (2) REQUIRED PER FIXTURE. INSTALL AT CENTERLINE OF WOOD FRAMING MEMBER.

2 WALL/CEILING FIXTURE MOUNTING DETAIL

SCALE: NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

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ELECTRICAL DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
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PROJECT NO: 25042
DATE: 04/24/26

E0.9

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 120	**Report Page:**	**(Page 7 of 7)**
Project Address: 525 N. Thompson Ave.	**Date Prepared:**	4/28/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Jeffrey M. Thoma	
Company: Thoma Electric, Inc	Signature Date: 2026-04-30
Address: 3562 Empleo Street	CEA/ HERS Certification Identification (if applicable): E20823
City/State/Zip: San Luis Obispo CA 93401	Phone: 805-543-3850

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:	Responsible Designer Signature:
Jeffrey M. Thoma	
Company: Thoma Electric, Inc.	Date Signed: 2026-04-28
Address: P.O. Box 1167	License: E20823
City/State/Zip: San Luis Obispo CA 93406	Phone: (805) 543-3850

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 120	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	4/28/2026

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Classrooms	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Classrooms	Classroom, Lecture, or Training Vocational	0.6	5,890.6	3,534.4	No	No
		TOTALS:	5,890.6	3,534.4	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 120	**Report Page:**	**(Page 1 of 7)**
Project Address: 525 N. Thompson Ave.	**Date Prepared:**	4/28/2026

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Nipomo	04	Total Conditioned Floor Area (ft²)	5,891
02	Climate Zone	5	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
✦ Classroom					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	5891	Area Category Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	5891		0	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 120	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	4/28/2026

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 120	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	4/28/2026

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04	05		06	07		08		09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	**Total Allowed** (Watts)		Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)		**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)				
Conditioned		3,534.4	0		= 3,534	≥	1,890	0	=	1890		COMPLIES
Unconditioned					=	≥			=			
										Controls Compliance (See Table H for Details)		COMPLIES
										Rated Power Reduction Compliance (See Table Q for Details)		

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 120	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	4/28/2026

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Classrooms;

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 120	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	4/28/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ matel room lighting. Multifamily dwelling unit and hotel/matel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A2	A2	No	NA	35	Mfr. Spec	54	No	1,890	☐	☐
							Total Designed Watts: CONDITIONED SPACES	1,890		

[1]FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

[2]Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls		

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
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JEFFREY M. THOMA
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

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San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

T24 COMPLIANCE DOCUMENTATION - BUILDING 120

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.10

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 7 of 8)**
	Date Prepared:	4/28/2026

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Classrooms ; Restrooms; Custodian;
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Classrooms ;

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 4 of 8)**
	Date Prepared:	4/28/2026

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Classrooms	All Other Space Types	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Restrooms	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Custodian	All Other Space Types	Readily Accessible	NA: Enclosed area <1005F	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Elec/IT	Electrical Mechancial Telephone Room	Readily Accessible	NA: Enclosed area <1005F	NA: Elec. equip. rm	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		
							E-3.1 through E-3.3		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Restrooms	Restroom	0.65	174.7	113.6	No	No
All Other	All Other Space Types	0.4	110.6	44.2	No	No

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 1 of 8)**
Project Address: 525 Thompson Ave	**Date Prepared:**	4/28/2026

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Nipomo	04	Total Conditioned Floor Area (ft²)	5,890
02	Climate Zone	5	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Classroom ● Support Areas ● All Other Occupancies

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	5890	Area Category Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	5890		0	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 8 of 8)**
Project Address: 525 Thompson Ave	**Date Prepared:**	4/28/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Jeffrey M. Thoma	Documentation Author Signature:
Company: Thoma Electric, Inc	Signature Date: 2026-04-30
Address: 3562 Empleo Street	CEA/ HERS Certification Identification (if applicable): E20823
City/State/Zip: San Luis Obispo CA 93401	Phone: 805-543-3850

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: Jeffrey M. Thoma	Responsible Designer Signature:
Company: Thoma Electric, Inc.	Date Signed: 2026-04-28
Address: P.O. Box 1167	License: E20823
City/State/Zip: San Luis Obispo CA 93406	Phone: (805) 543-3850

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 5 of 8)**
	Date Prepared:	4/28/2026

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Classrooms	Classroom, Lecture, or Training Vocational	0.6	5,471.9	3,283.1	No	No
ELEC/IT	Electrical Mechancial Telephone Room	0.4	133.2	53.3	No	No
		TOTALS:	5,890.4	3,494.2	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 2 of 8)**
	Date Prepared:	4/28/2026

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	**Total Allowed** (Watts)		Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)		**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned		3,494.2	0		= 3,494	≥	1,820	0	=	1820	COMPLIES
Unconditioned					=	≥			=		
								Controls Compliance (See Table H for Details)			COMPLIES
								Rated Power Reduction Compliance (See Table Q for Details)			

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 6 of 8)**
	Date Prepared:	4/28/2026

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - Bldg. 121	**Report Page:**	**(Page 3 of 8)**
	Date Prepared:	4/28/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A2	A2	No	NA	35	Mfr. Spec	47	No	1,645	☐	☐
C1	C1	No	NA	35	Mfr. Spec	5	No	175	☐	☐
							Total Designed Watts: CONDITIONED SPACES	1,820		

[1]FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

[2]Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls		

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24673
REN. 8-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. THOMA
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empleo St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

T24 COMPLIANCE DOCUMENTATION - BUILDING 121

NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.11

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 122	**Report Page:**	**(Page 7 of 7)**
Project Address: 525 N. Thompson Ave.	**Date Prepared:**	4/28/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Jeffrey M. Thoma	
Company: Thoma Electric, Inc	Signature Date: 2026-04-30
Address: 3562 Empleo Street	CEA/ HERS Certification Identification (if applicable): E20823
City/State/Zip: San Luis Obispo CA 93401	Phone: 805-543-3850

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:	Responsible Designer Signature:
Jeffrey M. Thoma	
Company: Thoma Electric, Inc.	Date Signed: 2026-04-28
Address: P.O. Box 1167	License: E20823
City/State/Zip: San Luis Obispo CA 93406	Phone: (805) 543-3850

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 122	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	4/28/2026

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Classrooms	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	☐	☐
Control	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	☐	☐
								13	
								Plan Sheet Showing Daylit Zones:	

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Classrooms	Classroom, Lecture, or Training Vocational	0.6	5,890.6	3,534.4	No	No
		TOTALS:	5,890.6	3,534.4	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 122	**Report Page:**	**(Page 1 of 7)**
Project Address: 525 N. Thompson Ave.	**Date Prepared:**	4/28/2026

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Nipomo	04	Total Conditioned Floor Area (ft²)	5,891
02	Climate Zone	5	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
● Classroom					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	5891	Area Category Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	5891		0	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 122	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	4/28/2026

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 122	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	4/28/2026

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04		05	06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	**Total Allowed** (Watts)	≥ Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned		3,534.4	0		=	3,534	≥ 1,890	0	=	1890	COMPLIES
Unconditioned					=		≥		=		
										Controls Compliance (See Table H for Details)	COMPLIES
										Rated Power Reduction Compliance (See Table Q for Details)	

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 122	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	4/28/2026

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Classrooms; ;

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Nipomo HS - New Building 122	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	4/28/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A2	A2	No	NA	35	Mfr. Spec	54	No	1,890	☐	☐
					Total Designed Watts: CONDITIONED SPACES			1,890		

[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls		

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
NO. C-24673
REN. 8-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. THOMA
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empleo St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

T24 COMPLIANCE DOCUMENTATION - BUILDING 122

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.12

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name:	**Report Page:** (Page 7 of 7)
Project Address:	**Date Prepared:** 4/29/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Jeffrey M. Thoma	
Company: Thoma Electric, Inc	Signature Date: 2026-04-29
Address: 3562 Empleo Street	CEA/AEA/ECC Certification Identification (if applicable): E20823
City/State/Zip: San Luis Obispo CA 93401	Phone: 805-543-3850

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 Person Name:	Responsible Person Signature:
Jeffrey M. Thoma	
Responsible Person Scope:	
Company: Thoma Electric, Inc.	Date Signed: 2026-04-29
Address: 3562 Empleo Street	License: E20823
City/State/Zip: San Luis Obispo CA 93401	Phone: 805-543-3850

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name:	**Report Page:** (Page 4 of 7)
	Date Prepared: 4/29/2026

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off §130.2(c1) / §160.5(c)	Auto-Schedule §130.2(c)2 / §160.5(c)	Motion Sensor §130.2(c)3 / §160.5(c)	Field Inspector	
				Pass	Fail
Site	Photocontrol	Provided	NA: Each Luminaire <= 40 Watts	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name:	**Report Page:** (Page 1 of 7)
Project Address:	**Date Prepared:** 4/29/2026

This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in §160.5, §170.2(e)6, §180.1(a) and §180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)			
02	Climate Zone	5	04 Total Illuminated Hardscape Area (ft²)	12741
03	Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐ LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐ LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project			
● All Other Occupancies				

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 / §170.2(e)6 or §141.0(b)2L / § 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from §140.7 / §170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name:	**Report Page:** (Page 5 of 7)
	Date Prepared: 4/29/2026

I. LIGHTING POWER ALLOWANCE (per §140.7 /§170.2(e))

This table includes areas using allowance calculations per §140.7 /§170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
	☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Pedestrian Hardscape	12741	0.021	267.6	894	0.2	178.8	446
					Initial Wattage Allowance for Entire Site (Watts):		250
					Instances of Initial Wattage Allowance (LZ 0 only)[1]		
					Total General Hardscape Allowance (Watts):		696

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name:	**Report Page:** (Page 6 of 7)
	Date Prepared: 4/29/2026

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Site;

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name:	**Report Page:** (Page 2 of 7)
	Date Prepared: 4/29/2026

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 / §170.2(e)6 or §141.0(b)2L / § 180.2(b)4Bv												Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance §140.7(d)1 / §170.2(e)6 (See Table I)	+	Per Application §140.7(d)2 / §170.2(e)6 (See Table J)	+	Sales Frontage §140.7(d)2 (See Table K)	+	Ornamental §140.7(d)2 / §170.2(e)6 (See Table L)	+	Per Specific Area §140.7(d)2 / §170.2(e)6 (See Table M)	OR	Existing Power Allowance §141.0(b)2L / § 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
696	+	---	+	---	+	---	+	---	OR	---	=	696	≥	690	COMPLIES
										Shielding Compliance (See Table G for Details)					N/A
										Controls Compliance (See Table H for Details)					COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name:	**Report Page:** (Page 3 of 7)
	Date Prepared: 4/29/2026

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7 / §170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires [2]	Luminaire Status[3]	Excluded per §140.7(a) / §170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output §130.2(b) /§160.5(c)1 [4]	Field Inspector	
										Pass	Fail
S1	S1	☐ Linear	20	Mfr. Spec	12	New	☐	240	NA: < 6200 lumens	☐	☐
S2	S2	☐ Linear	25	Mfr. Spec	18	New	☐	450	NA: < 6200 lumens	☐	☐
							Total Design Watts:	690			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)/ §160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

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T24 COMPLIANCE DOCUMENTATION - SITE

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E0.13

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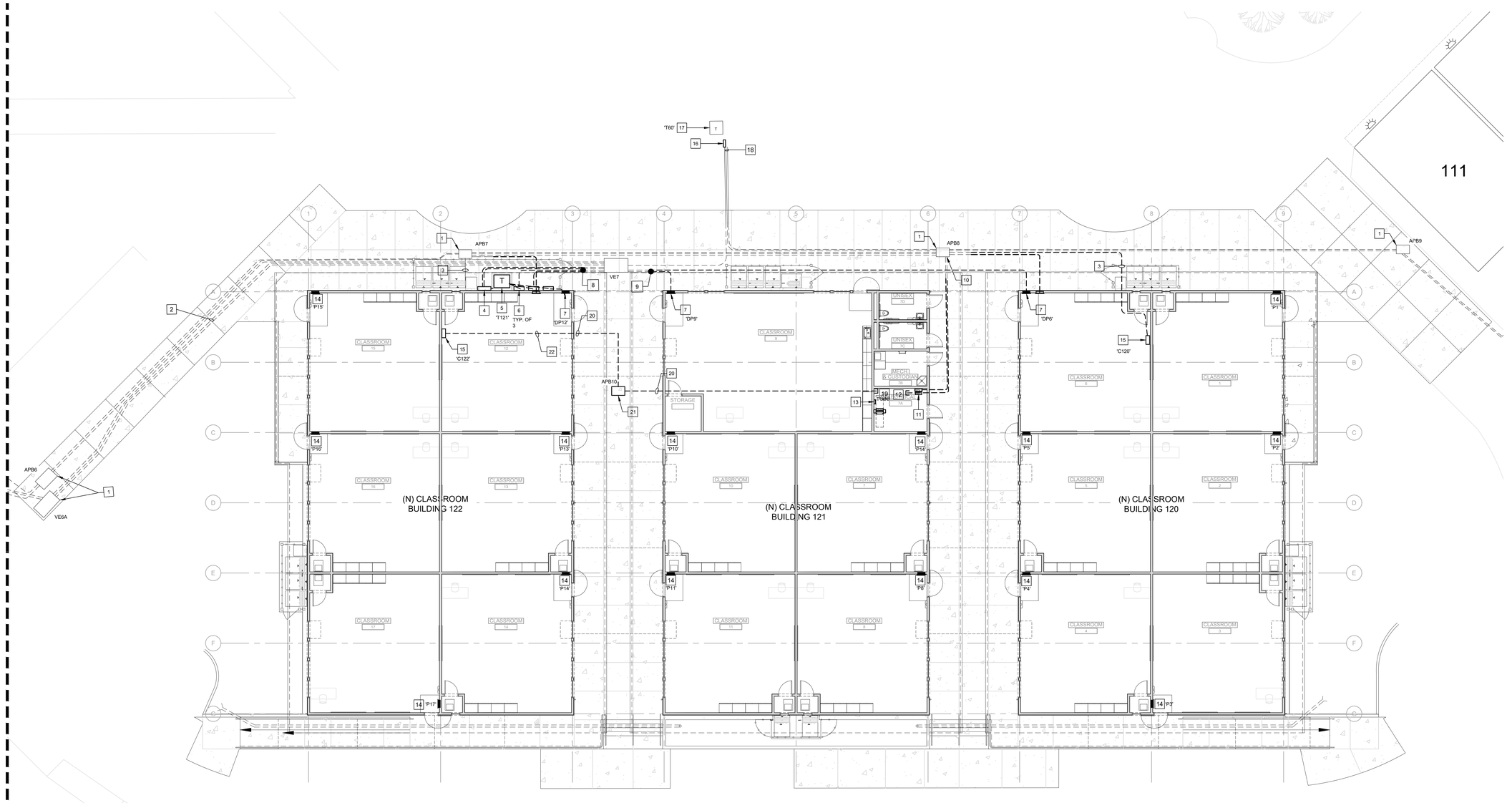

ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"

NORTH

GENERAL SITE PLAN NOTES

A. TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300.5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY PROJECT SPECIFICATION. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICABLE AND WERE PERMITTED BY THIS SPECIFICATION.

B. LOCATIONS OF EXISTING UNDERGROUND (UG) UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA). WHEN PLANNING UNDERGROUND WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO EXCAVATION (WEEKENDS EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES OR EQUIPMENT.

C. MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.

D. PUMPING OF EXCESS WATER FROM EXISTING PULL BOXES, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE WITH DISTRICT FOR APPROPRIATE DISPOSAL OF EXCESS WATER.

E. THE EXACT QUANTITY, LOCATION AND DEPTHS OF EXISTING UNDERGROUND PIPING AND CONDUITS IS UNKNOWN, FIELD VERIFY AND MAINTAIN EXISTING UTILITIES IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION AND EXCAVATION OPERATIONS.

F. REPAIR AND RECONNECT ALL EXISTING UNDERGROUND PIPING UNCOVERED AND DAMAGED BY NEW WORK AS REQUIRED TO MAINTAIN PROPER SYSTEM FUNCTIONS. RE-TEST ALL SYSTEMS DAMAGED BY NEW WORK.

G. SAWCUT AND PATCH ALL SURFACES TO MATCH EXISTING SURFACES (CONCRETE, AC PAVING, ETC.) AS REQUIRED FOR INSTALLATION OF NEW WORK. COMPLETE FIELD VERIFICATION OF THIS WORK IS REQUIRED BY CONTRACTOR. SAWCUT ENTIRE PANEL OUT AND REPLACE ENTIRE PANEL BETWEEN EXPANSION JOINTS(AS APPLICABLE). REFER TO ARCHITECTURAL/ CIVIL DRAWINGS FOR DETAILED INFORMATION.

☐ REFERENCE NOTES

1. EXISTING PULLBOXES (POWER & COMMUNICATION).
2. EXISTING PATHWAYS SHALL REMAIN IN PLACE.
3. CONTRACTOR SHALL (2) 1" CONDUIT FOR FIRE ALARM. CONTRACTOR SHALL EXTEND CONDUIT FROM EXISTING PULLBOX TO FA PULLBOX. REFER TO FIRE ALARM PLANS FOR EQUIPMENT LOCATION.
4. NEW TRANSFORMER PRIMARY AC DISCONNECT. REFER TO SINGLE LINE DIAGRAM FOR DISCONNECT RATING. SEE MOUNTING DETAIL 6/E0.7.
5. NEW TRANSFORMER. REFER TO SINGLELINE DIAGRAM FOR RATING AND REQUIREMENTS, SEE MOUNTING DETAIL 2/E0.6
6. NEW BUILDING AC DISCONNECT. TYPICAL (1) PER BUILDING. RATING AS SHOWN ON SINGLELINE DIAGRAM. SEE MOUNTING DETAIL 6/E0.7.
7. NEW BUILDING DISTRIBUTION PANELBOARD. REFER TO SINGLE LINE DIAGRAM AND SCHEDULES FOR PANELBOARD RATING AND BREAKER CONFIGURATION. SEE MOUNTING DETAIL 6/E0.7.
8. CONTRACTOR SHALL INTERCEPT AND EXTEND NEW CONDUIT(S) TO TRANSFORMER AC DISCONNECT, AND FROM AC DISCONNECTS TO PULLBOX. REFER TO FEEDER SCHEDULE FOR FEEDER SPECIFICATION.
9. CONTRACTOR SHALL INTERCEPT EXISTING CONDUITS AND EXTEND TO NEW DISTRIBUTION PANELBOARDS 'DP121' AND 'DP120.' REFER TO FEEDER SCHEDULE FOR SPECIFICATION.
10. CONTRACTOR SHALL EXTEND THE FOLLOWING PATHWAYS FROM EXISTING PULLBOX TO ELECTRICAL ROOM.
    - 10.1. (2) 4" CONDUITS (FOR COMM)
    - 10.2. (8) 2" CONDUITS (FOR COMM)
    - 10.3. (1) 3" CONDUIT (FOR FA)
11. NEW FIRE ALARM INX TRANSPONDER "INX-2" AND REMOTE POWER SUPPLY "RPS-2". SEE FIRE ALARM RISER DIAGRAM SHEET E5.4.
12. CONTRACTOR SHALL EXTEND CONDUITS TO NEW 2-POST RACK.
13. NEW 2-POST RACK. REFER TO COMMUNICATION PLANS FOR RACK REQUIREMENTS. SEE MOUNTING DETAIL 9/E0.8.
14. NEW CLASSROOM PANELBOARD. REFER TO SINGLELINE DIAGRAM AND ELECTRICAL SCHEDULES FOR RATING AND PANELBOARD REQUIREMENTS. SEE MOUNTING DETAIL 2/E0.7 FOR FLUSH MOUNTED OR DETAIL 6/E0.7 FOR SURFACE MOUNTED PANELBOARD.
15. NEW IDF REBOX CABINET TO TRANSITION OUTDOOR RATED TO INDOOR RATED CABLES. BASIS OF DESIGN: HUBBELL IDF24. MOUNT IN ACCESSIBLE CEILING SPACE. REFER TO FLOOR PLANS FOR EXACT LOCATION. SEE MOUNTING DETAIL 6/E0.6.
16. EXISTING AC DISCONNECT FOR FORUM SHALL REMAIN.
17. EXISTING TRANSFORMER FOR FORUM SHALL REMAIN.
18. EXISTING FA & COMM CONDUITS SHALL REMAIN.
19. CONDUIT STUB-OUT. CONTRACTOR SHALL EXTEND (4) 2" CONDUITS FROM THIS LOCATION TO 2-POST RACK.
20. CONTRACTOR SHALL EXTEND (4) 2" CONDUITS UNDERGROUND TO NEW PULLBOX 'APB10'. CONTRACTOR SHALL ROUTE CONDUITS THROUGH BUILDING FOOTING. SEE DETAIL 5/S1.1.
21. NEW COMMUNICATION PULLBOX. MINIMUM PULLBOX SIZE, 2' X 3'. STAMP LID 'COMM'.
22. CONTRACTOR SHALL EXTEND (4) 2" CONDUITS FROM NEW PULLBOX 'APB10' TO NEW IDF CABINET THROUGH BUILDING FOOTING. SEE DETAIL 5/S1.1.

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ELECTRICAL SITE PLAN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

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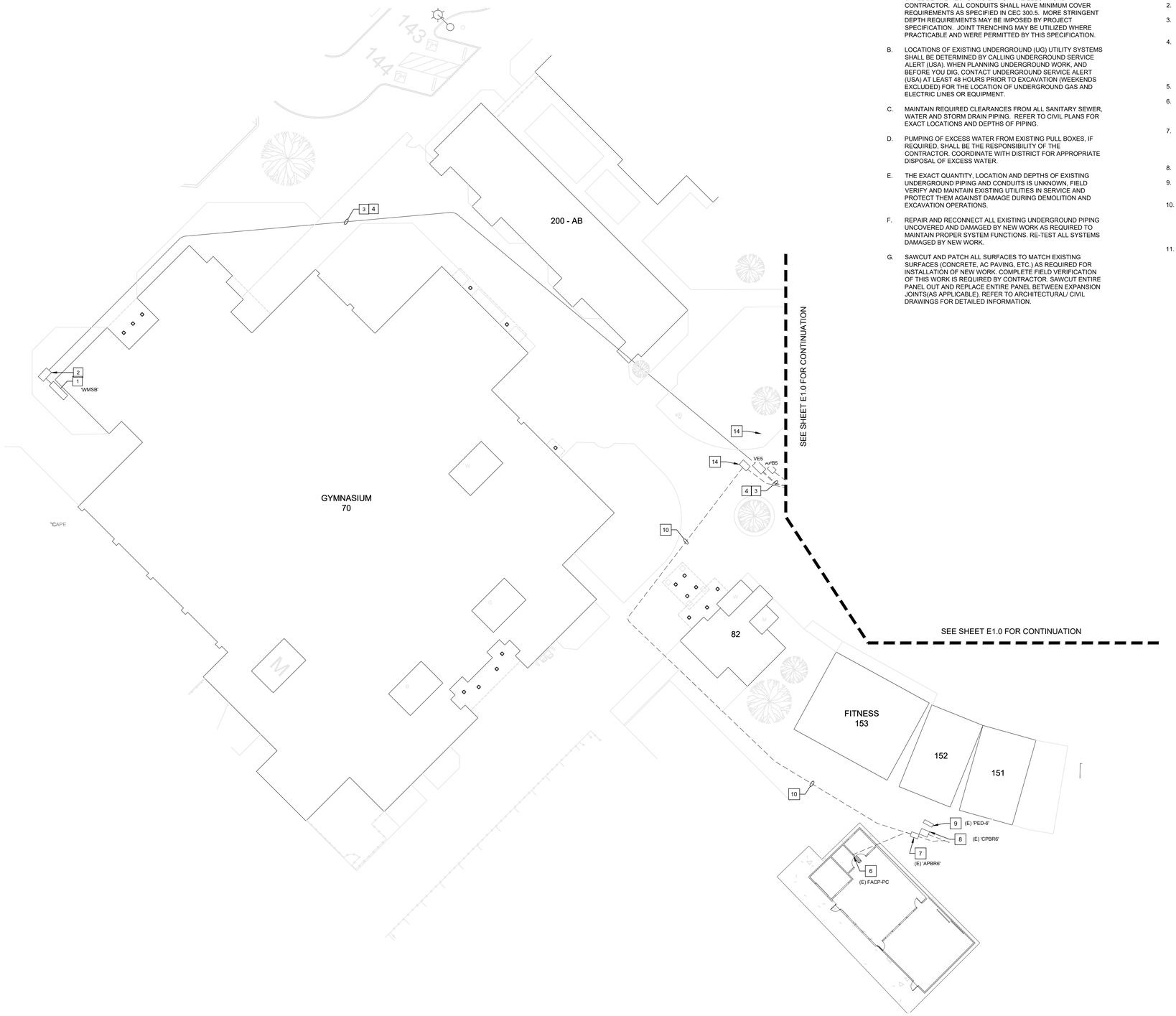

ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

NORTH

GENERAL SITE PLAN NOTES

A. TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300.5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY PROJECT SPECIFICATION. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICABLE AND WERE PERMITTED BY THIS SPECIFICATION.

B. LOCATIONS OF EXISTING UNDERGROUND (UG) UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA). WHEN PLANNING UNDERGROUND WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO EXCAVATION (WEEKENDS EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES OR EQUIPMENT.

C. MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.

D. PUMPING OF EXCESS WATER FROM EXISTING PULL BOXES, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE WITH DISTRICT FOR APPROPRIATE DISPOSAL OF EXCESS WATER.

E. THE EXACT QUANTITY, LOCATION AND DEPTHS OF EXISTING UNDERGROUND PIPING AND CONDUITS IS UNKNOWN, FIELD VERIFY AND MAINTAIN EXISTING UTILITIES IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION AND EXCAVATION OPERATIONS.

F. REPAIR AND RECONNECT ALL EXISTING UNDERGROUND PIPING UNCOVERED AND DAMAGED BY NEW WORK AS REQUIRED TO MAINTAIN PROPER SYSTEM FUNCTIONS. RE-TEST ALL SYSTEMS DAMAGED BY NEW WORK.

G. SAWCUT AND PATCH ALL SURFACES TO MATCH EXISTING SURFACES (CONCRETE, AC PAVING, ETC.) AS REQUIRED FOR INSTALLATION OF NEW WORK. COMPLETE FIELD VERIFICATION OF THIS WORK IS REQUIRED BY CONTRACTOR. SAWCUT ENTIRE PANEL OUT AND REPLACE ENTIRE PANEL BETWEEN EXPANSION JOINTS(AS APPLICABLE). REFER TO ARCHITECTURAL/ CIVIL DRAWINGS FOR DETAILED INFORMATION.

☐ REFERENCE NOTES

1. EXISTING MAIN SWBD TO REMAIN, SEE SINGLE LINE DIAGRAM.
2. EXISTING ELECTRICAL SYSTEM PULLBOX TO REMAIN.
3. EXISTING PATHWAYS FROM MAIN SWITCHBOARD 'WMSB' TO VAULT 'VE5' SHALL REMAIN.
4. CONTRACTOR SHALL RE-USE EXISTING PATHWAYS AND PULL NEW FEEDER FROM SWITCHBOARD 'WMSB' TO NEW TRANSFORMER PRIMARY AC DISCONNECT. REFER TO SINGLELINE DIAGRAM FOR FEEDER SPECIFICATION AND SHEET E1.0 FOR FEEDER CONTINUATION.
5. EXISTING VAULT 'VE5' SHALL REMAIN.
6. (E) STAND ALONE FIRE ALARM VOICE EVAC CONTROL PANEL ('FACP-PC') IN (E) PATIENT CARE BUILDING EQUIPMENT STORAGE ROOM 104 SHALL REMAIN.
7. (E) FIRE ALARM PULL BOX 'APBR6' TO REMAIN. ROUTE (N) FIRE ALARM CABLING FROM (N) PATIENT CARE BUILDING 'FACP-PC' THROUGH THIS BOX AND EXTEND TO BUILDING 121 ELECTRICAL ROOM 7A AND CONNECT TO 'RSP-2' BOARD.
8. (E) COMMUNICATIONS VAULT 'CPBR6' TO REMAIN.
9. (E) PAD-MOUNTED COMMUNICATIONS PEDESTAL 'PED-6' TO REMAIN.
10. EXISTING UNDERGROUND FIRE ALARM CONDUIT. CONTRACTOR SHALL ROUTE (N) FIRE ALARM CABLING 'SLC' AND 'ARCNEET' AND USE EXISTING PATHWAYS TO NEW BUILDING 121 ELECTRICAL ROOM 7A AND CONNECT TO 'RSP-2' AND 'INX-2'. SEE FIRE ALARM RISER DIAGRAM SHEET E5.4.
11. EXISTING FIRE ALARM PULLBOX(ES) SHALL REMAIN. CONTRACTOR SHALL ROUTE (N) FIRE ALARM CABLING THROUGH EXISITNG PULLBOXES.

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ELECTRICAL SITE PLAN

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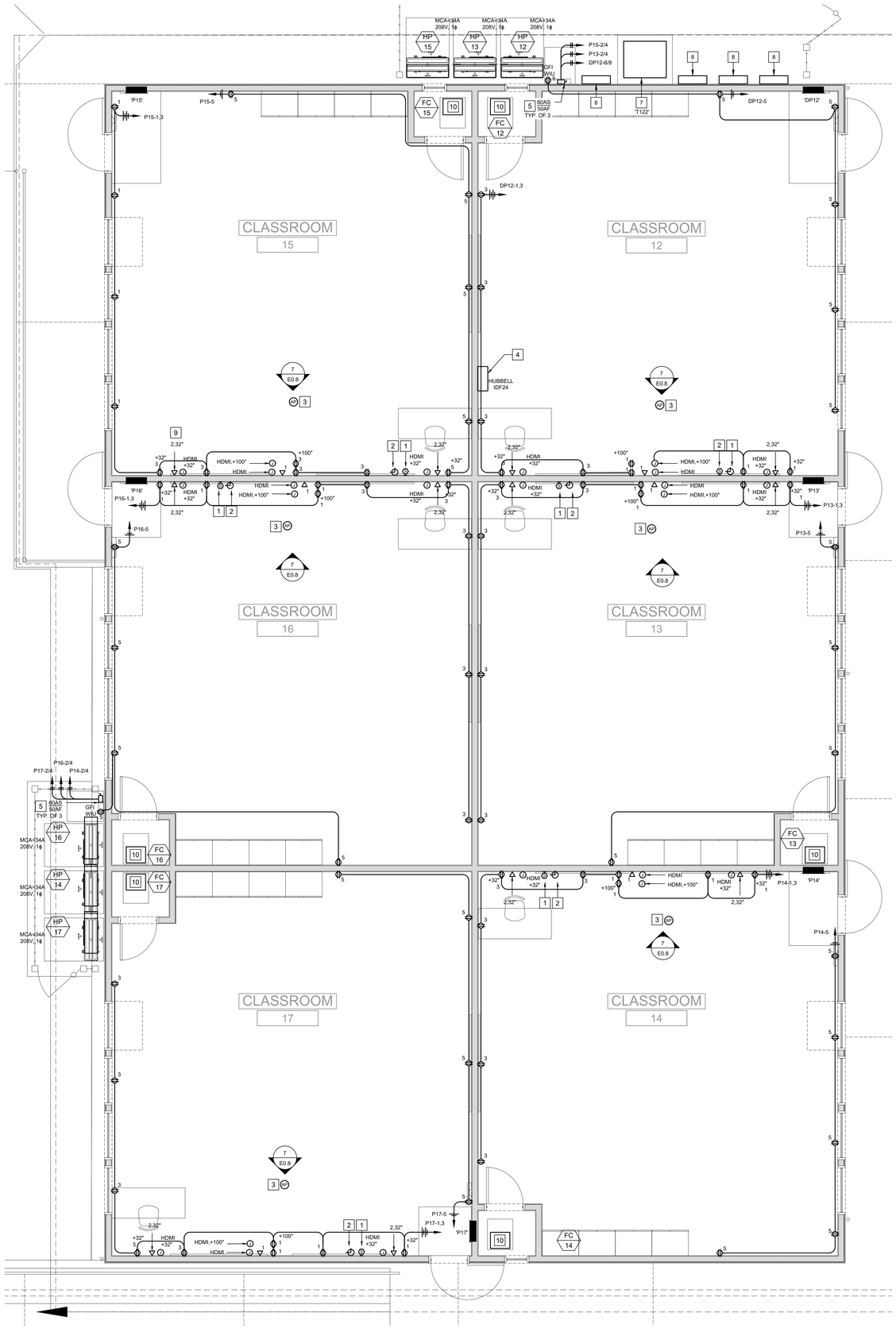

POWER AND COMMUNICATION FLOOR PLAN - BUILDING 122

SCALE: 1/4" = 1'-0"

NORTH

☐ REFERENCE NOTES

1. (N) WALL MOUNTED SPEAKERS FOR INTERCOM/BELLS/PA. SPEAKER DEVICE TO BE PROVIDED BY DISTRICT STAFF; CONTRACTOR SHALL INSTALL. SPEAKER SHALL BE A MINIMUM OF 108" AFF. SEE MOUNTING DETAIL 9/E0.6.
2. INSTALL WIRELESS, BATTERY POWERED GPS CLOCK (OWNER SHALL FURNISH CLOCK). COORDINATE MOUNTING HEIGHT WITH DISTRICT REPRESENTATIVE.
3. CEILING MOUNTED WIRELESS ACCESS POINT. MOUNT PER TELECOMMUNICATIONS DEVICE SCHEDULE AND DETAILS 2/E0.8 &3/E0.8
4. HUBBELL IDF24 SHALL BE USED AS TRANSITION BOX FOR HORIZONTAL DEVICE WIRING. IDF24 SHALL HOUSE MODULAR PATCH PANEL FOR TRANSITION FROM OSP CAT6/6A TO INDOOR RATED CAT6/6A. REFER TO RISER DIAGRAM ON SHEET T0.1. SEE MOUNTING DETAIL 6/E0.6.
5. CONTRACTOR SHALL PROCURE AND INSTALL NEW HVAC AC DISCONNECT. RATING AS NOTED. PROVIDE WITH NEMA 3R RATING ENCLOSURE. PROVIDE FLEXIBLE CONNECTION TO CORRESPONDING HVAC UNIT
6. TRANSFORMER DISCONNECT, PROVIDE WITH NEMAR 3R ENCLOSURE. REFER TO SINGLELINE DIAGRAM FOR RATING INFORMATION.
7. NEW TRANSFORMER. PROVIDE WITH NEMA 3R ENCLOSURE AND REFER TO SINGLE LINE DIAGRAM FOR TRANSFORMER SPECIFICATION, SEE MOUNTING DETAIL 2/E0.6.
8. TYPICAL BUILDING DISCONNECT(S). REFER TO SINGLE LINE DIAGRAM FOR AC DISCONNECT SPECIFICATION. PROVIDE WITH NEMA 3R RATING. SEE MOUNTING DETAIL 6/E0.7.
9. DATA RECEPTACLE. SEE DEVICE SCHEDULE & GENERAL TELECOMMUNICATION PLAN NOTES ON SHEET T0.0. REFER TO DETAIL 5/E0.8 FOR DATA OUTLET NAMING/LABELING CONVENTIONS.
10. INDOOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR SHALL EXTEND POWER PER MANUFACTURER RECOMMENDATIONS.

GENERAL POWER PLAN NOTES

A. FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.

B. INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT.

C. MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.

D. SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (3) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.

E. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.

F. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.

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POWER AND COMMUNICATION FLOOR PLAN
BUILDING 122

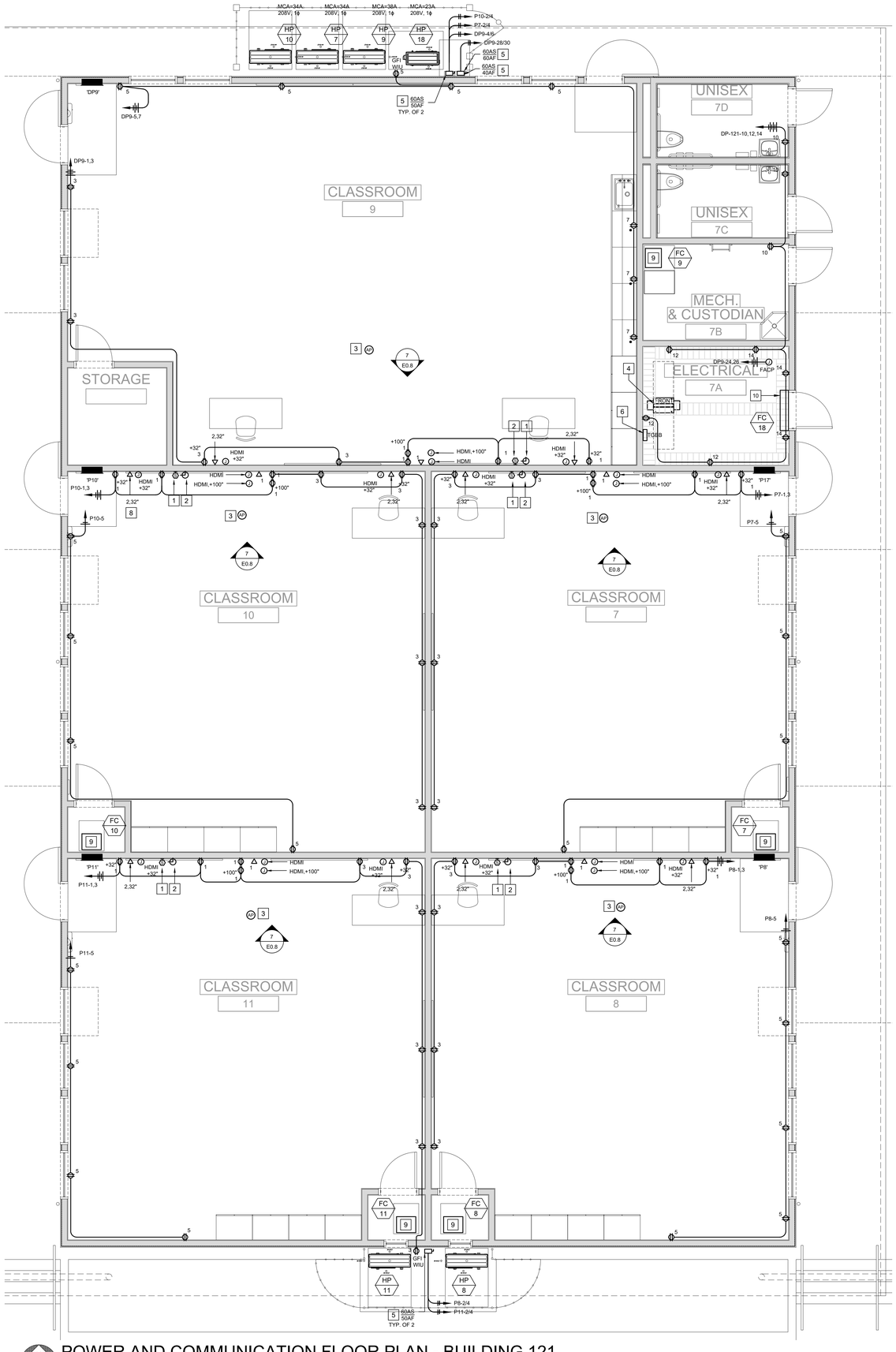
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	ITEM	DATE

DRAWN BY:	AV
CHECKED BY:	JC, RP
PROJECT NO:	DATE:
25042	04/24/26

E2.1



POWER AND COMMUNICATION FLOOR PLAN - BUILDING 121

SCALE: 1/4" = 1'-0"

NORTH

☐ REFERENCE NOTES

1. (N) WALL MOUNTED SPEAKERS FOR INTERCOM/BELLS/PA. SPEAKER DEVICE TO BE PROVIDED BY DISTRICT STAFF; CONTRACTOR SHALL INSTALL. SPEAKER SHALL BE A MINIMUM OF 108" AFF, SEE MOUNTING DETAIL 9/E0.6.
2. INSTALL WIRELESS, BATTERY POWERED GPS CLOCK (OWNER SHALL FURNISH CLOCK). COORDINATE MOUNTING HEIGHT WITH DISTRICT REPRESENTATIVE.
3. CEILING MOUNTED WIRELESS ACCESS POINT. MOUNT PER TELECOMMUNICATIONS DEVICE SCHEDULE AND DETAILS 2/E0.8 &3/E0.8.
4. 2-POST DATA RACK. MOUNTING AND ANCHORAGE PER DETAIL 9/E0.8. SEE RISER DIAGRAM ON SHEET T0.1. SEE ELEVATION DETAIL 8/E0.8.
5. CONTRACTOR SHALL PROCURE AND INSTALL NEW HVAC AC DISCONNECT. RATING AS NOTED. PROVIDE WITH NEMA 3R RATING ENCLOSURE. PROVIDE FLEXIBLE CONNECTION TO CORRESPONDING HVAC UNIT, SEE MOUNTING DETAIL 6/E0.7.
6. TELECOMMUNCATIONS GROUND BUS BAR 'TGBB'. REFER TO DETAIL 4/E0.7.
7. 12" WIDE X 6" DEEP LADDER RACK PER BASIS OF DESIGN. MOUNTING PER DETAIL 3/E0.7.
8. DATA RECEPTACLE. SEE DEVICE SCHEDULE & GENERAL TELECOMMUNICATION PLAN NOTES ON SHEET T0.0. REFER TO DETAIL 5/E0.8 FOR DATA OUTLET NAMING/LABELING CONVENTIONS.
9. INDOOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR SHALL EXTEND POWER PER MANUFACTURER RECOMMENDATIONS.

GENERAL POWER PLAN NOTES

A. FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.

B. INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT.

C. MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.

D. SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (3) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.

E. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.

F. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.

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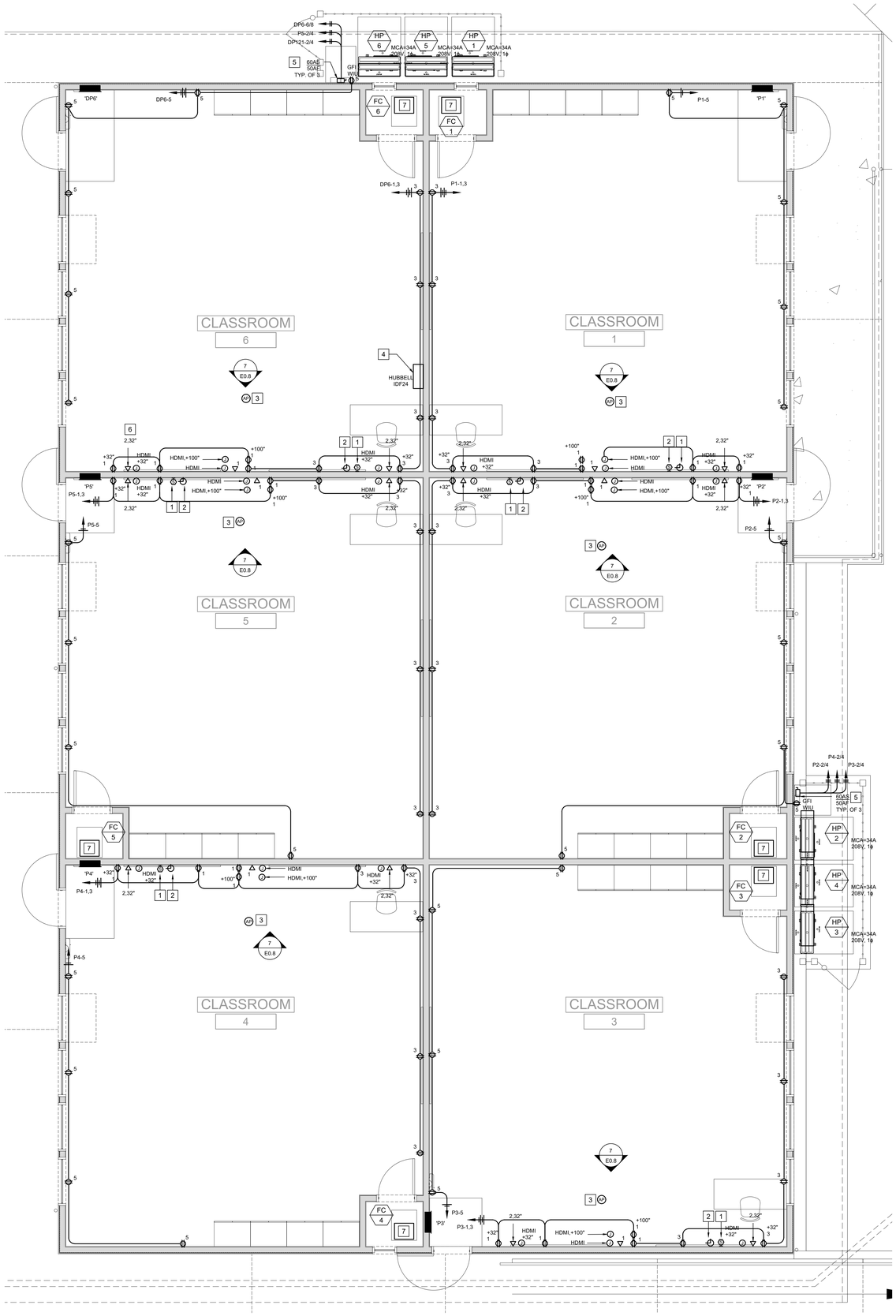
POWER AND COMMUNICATION FLOOR PLAN
BUILDING 121

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E2.2



POWER AND COMMUNICATION FLOOR PLAN - BUILDING 120

SCALE: 1/4" = 1'-0"

NORTH

☐ REFERENCE NOTES

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2. INSTALL WIRELESS, BATTERY POWERED GPS CLOCK (OWNER SHALL FURNISH CLOCK). COORDINATE MOUNTING HEIGHT WITH DISTRICT REPRESENTATIVE.
3. CEILING MOUNTED WIRELESS ACCESS POINT. MOUNT PER TELECOMMUNICATIONS DEVICE SCHEDULE AND DETAILS 2/E0.8 &3/E0.8.
4. HUBBELL IDF24 SHALL BE USED AS TRANSITION BOX FOR HORIZONTAL DEVICE WIRING. IDF24 SHALL HOUSE MODULAR PATCH PANEL FOR TRANSITION FROM OSP CAT6/6A TO INDOOR RATED CAT6/6A. REFER TO RISER DIAGRAM ON SHEET T0.1. SEE MOUNTING DETAIL 6/E0.6.
5. CONTRACTOR SHALL PROCURE AND INSTALL NEW HVAC AC DISCONNECT. RATING AS NOTED. PROVIDE WITH NEMA 3R RATING ENCLOSURE. PROVIDE FLEXIBLE CONNECTION TO CORRESPONDING HVAC UNIT. SEE MOUNTING DETAIL 6/E0.7.
6. DATA RECEPTACLE. SEE DEVICE SCHEDULE & GENERAL TELECOMMUNICATION PLAN NOTES ON SHEET T0.0. REFER TO DETAIL 1&5/E0.8 FOR DATA OUTLET NAMING/LABELING CONVENTIONS.
7. INDOOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR SHALL EXTEND POWER PER MANUFACTURER RECOMMENDATIONS.

GENERAL POWER PLAN NOTES

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B. INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT.

C. MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.

D. SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (3) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.

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POWER AND COMMUNICATION FLOOR PLAN
BUILDING 120

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

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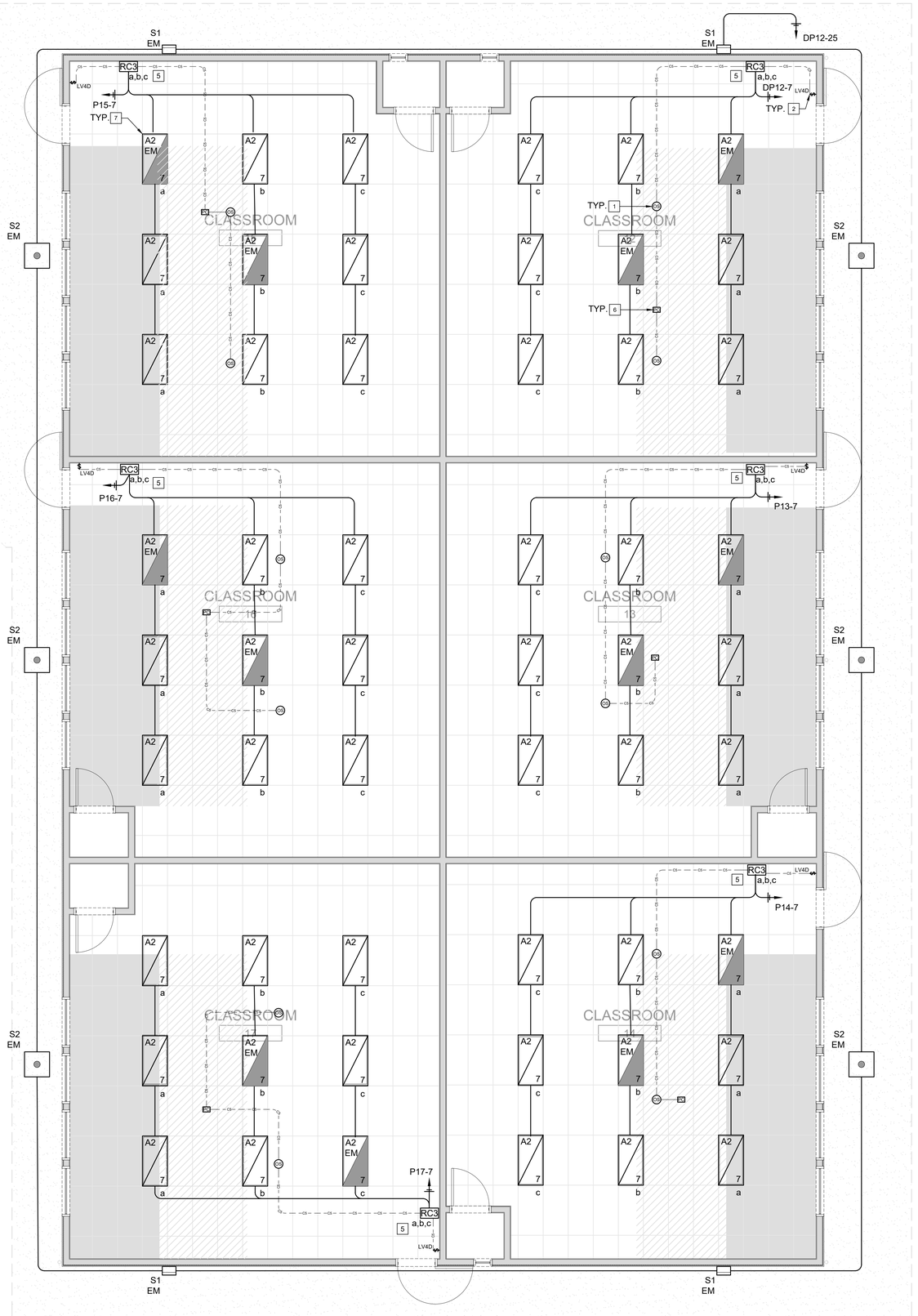

T24 DAYLIGHT AREAS

- SOLID SHADING DEPICTS PRIMARY SIDELIT DAYLIGHT ZONE
- CROSS HATCH PATTERN SHADING DEPICTS SECONDARY SIDELIT DAYLIGHT ZONE
- DOUBLE CROSS HATCH SHADING DEPICTS PRIMARY SKY LIT DAYLIGHT ZONE

REFERENCE NOTES

1. CEILING MOUNT OCCUPANCY SENSOR BOD: LEGRAND WATTSTOPPER LMDC-100.
2. LOW VOLTAGE SWITCH. PROVIDE (3-WAY, 4-WAY) CONFIGURATION AS SHOWN. BASIS OF DESIGN: LEGRAND WATTSTOPPER LMSW-211 OR MS SW222. CONTRACTOR TO CONNECT TO LIGHTING CONTROL SYSTEM.
3. LINE VOLTAGE SWITCH. ELECTRICAL ROOM EXEMPT FROM SHUT OFF CONTROLS.
4. LINE VOLTAGE SWITCH W/INTEGRATED OCCUPANCY SENSOR. PROVIDE SWITCH WITH 2-POLE CONFIGURATION. POLE 'a' SHALL CONTROL LIGHTS, AND POLE "b' SHALL CONTROL EXHAUST FAN. BASIS OF DESIGN: LEGRAND PW-302-W.
5. DLM ROOM CONTROLLER. PROVIDE WITH 3-RELAY CONFIGURATION WITH 0-10V DIMMING. BASIS OF DESIGN: LEGRAND LMRC-213-U.
6. MULTI-ZONE SWITCHING AND DIMMING OPEN LOOP DIGITAL PHOTOSENSOR. PROVIDE ONE PER ZONE AS SHOWN ON PLANS. BASIS OF DESIGN: LEGRAND LMLS-500.
7. EMERGENCY LUMINAIRES, PROVIDE WITH BATTERY BACKUP FOR BACKUP EMERGENCY FOR A MINIMUM OF 90-MINUTES DURATION. REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE SPECIFICATION.
8. LINE VOLTAGE SWITCH W/INTEGRATED OCCUPANCY SENSOR. BASIS OF DESIGN: LEGRAND DSW-301-W.

GENERAL LIGHTING PLAN NOTES

A. LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.

B. REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.

C. CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES.

D. PROVIDE UNSWITCHED HOT LEG OF ROOM LIGHTING BRANCH CIRCUIT TO EACH BATTERY POWERED EMERGENCY LIGHT AND EXIT SIGN FOR CONTINUOUS CHARGING.

LIGHTING CONTROL GENERAL NOTES

A. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWINGS DIRECT FROM MANUFACTURER SPECIFIC TO THIS PROJECT FOR THE INTERIOR LIGHTING CONTROL SYSTEM AND USE FOR CONSTRUCTION.

B. VERIFY OCCUPANCY SENSOR SETTING FOR EACH TYPE OF ROOM WITH OWNER AND ADJUST AS DIRECTED BY OWNER.

C. VERIFY EACH RELAY PROGRAMMING WITH OWNER AND PROGRAM EACH AS DIRECTED BY OWNER.

D. PROVIDE OWNER IN SERVICE TRAINING FOR LIGHTING CONTROL SYSTEM.

E. WHERE MULTIPLE CHANNEL CONTROLS HAVE BEEN PROVIDED IN A ROOM OR SPACE, VERIFY FIXTURE ZONING REQUIREMENTS WITH OWNER PRIOR TO PRODUCING SHOP DRAWINGS AND INSTALLATION.

NORTH

LIGHTING & CONTROL FLOOR PLAN - BUILDING 122

SCALE: 1/4" = 1'-0"

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LIGHTING & CONTROL FLOOR PLAN
BUILDING 122

NEW CLASSROOM BUILDINGS AT
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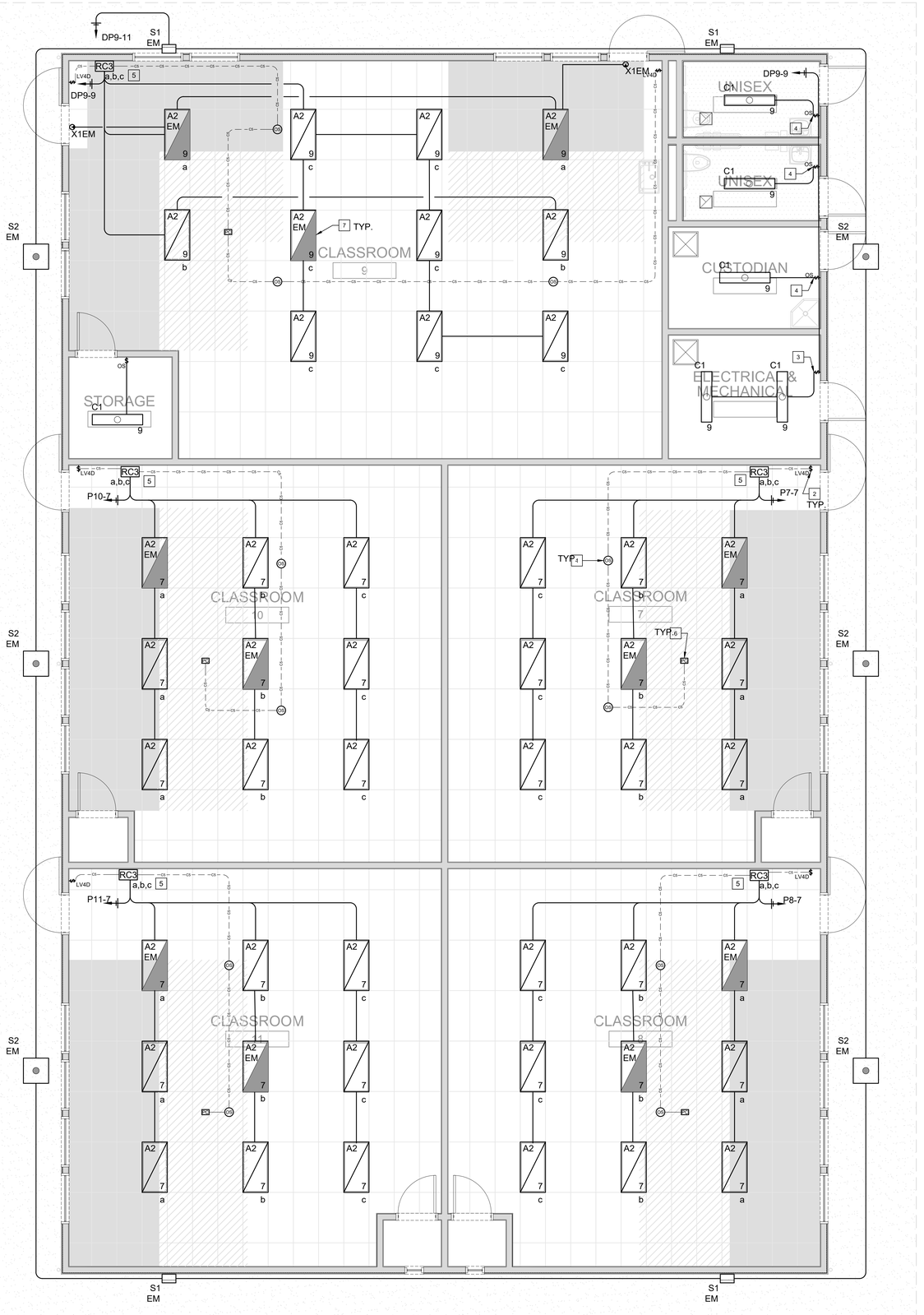

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LIGHTING AND CONTROL FLOOR PLAN - BUILDING 121

SCALE: 1/4" = 1'-0"

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LIGHTING AND CONTROL FLOOR PLAN
BUILDING 121

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LUCIA MAR UNIFIED SCHOOL DISTRICT

PAST ISSUANCE
NO. ITEM DATE

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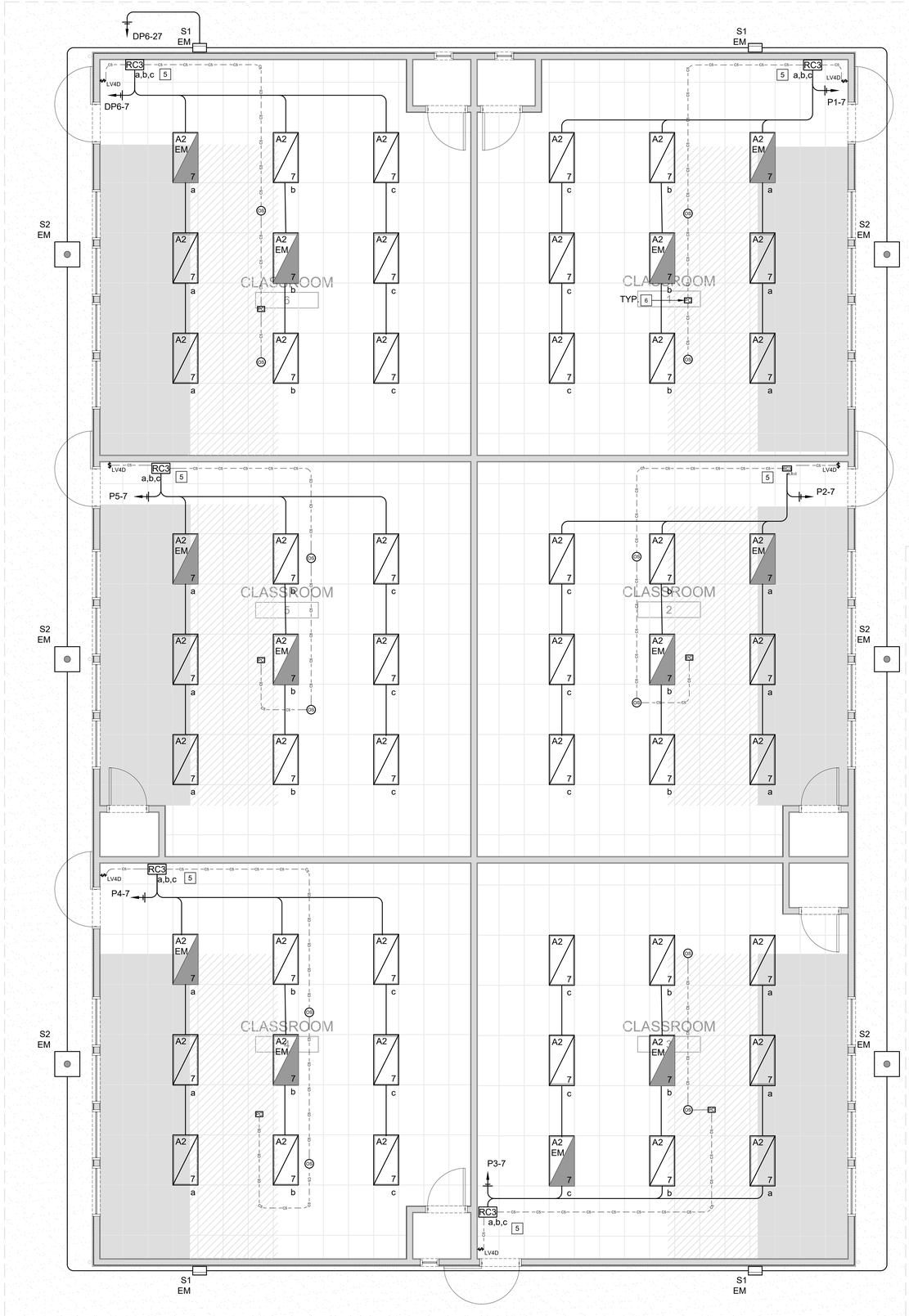

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CROSS HATCH PATTERN SHADING DEPICTS SECONDARY SIDELIT DAYLIGHT ZONE

DOUBLE CROSS HATCH SHADING DEPICTS PRIMARY SKY LIT DAYLIGHT ZONE

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LIGHTING AND CONTROL FLOOR PLAN - BUILDING 120

NORTH

SCALE: 1/4" = 1'-0"

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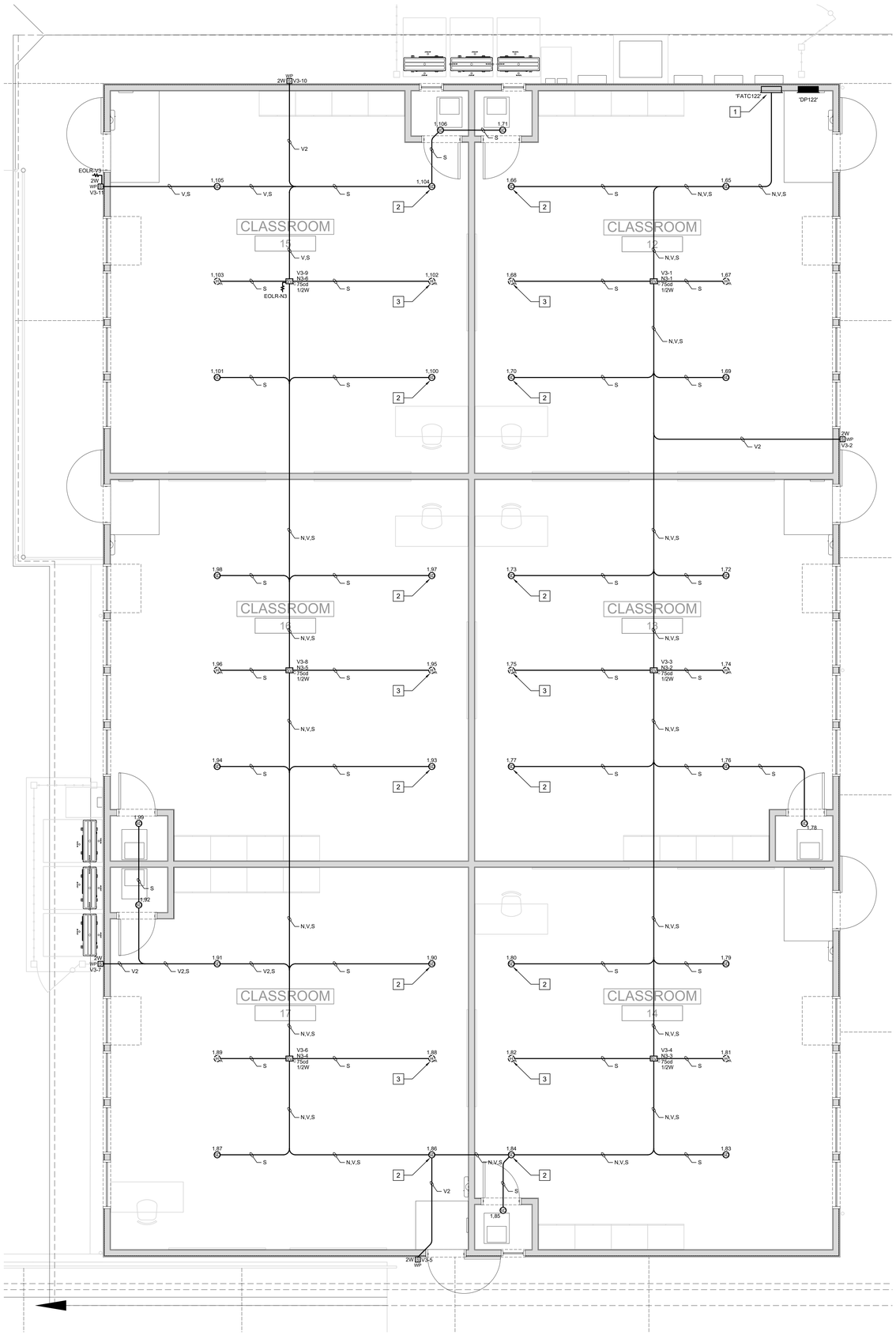

REFERENCE NOTES

1. FLUSH MOUNTED FIRE ALARM TERMINAL CABINET 'FATC122'. SEE MOUNTING DETAIL 2/E0.7.
2. MOUNT DETECTOR WITHIN 3FT OF PEAK OF CEILING.
3. MOUNT DETECTOR WITHIN 3FT OF PEAK OF ROOF.

FIRE ALARM CABLING SCHEDULE

N	NAC/VISUAL	(2)#14 TWISTED UNSHIELDED
V	VAC/VOICE	(2)#14 TWISTED SHIELDED
S	SLC	(2)#18 TWISTED UNSHIELDED

NOTE:
1. SEE CABLING SCHEDULE ON FIRE ALARM RISER SHEET E-5.4 FOR COMPLETE FIRE ALARM CABLING REQUIREMENTS.
2. CONDUIT SIZE 1" MINIMUM, UNLESS OTHERWISE NOTED.
3. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN A CONDUIT OR RACEWAY SYSTEM U.O.N

FIRE ALARM FLOOR PLAN - BUILDING 122

SCALE: 1/4" = 1'-0"

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SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

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NO. C-24673
REN. 9-30-27
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REGISTERED PROFESSIONAL ENGINEER
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NO. 20823
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STATE OF CALIFORNIA

EXPIRES: 09/30/26
THOMA #25-8101

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FIRE ALARM FLOOR PLAN
BUILDING 122

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO	ITEM	DATE

DRAWN BY:	AV
CHECKED BY:	JC, RP
PROJECT NO: 25042	DATE: 04/24/26

E5.1

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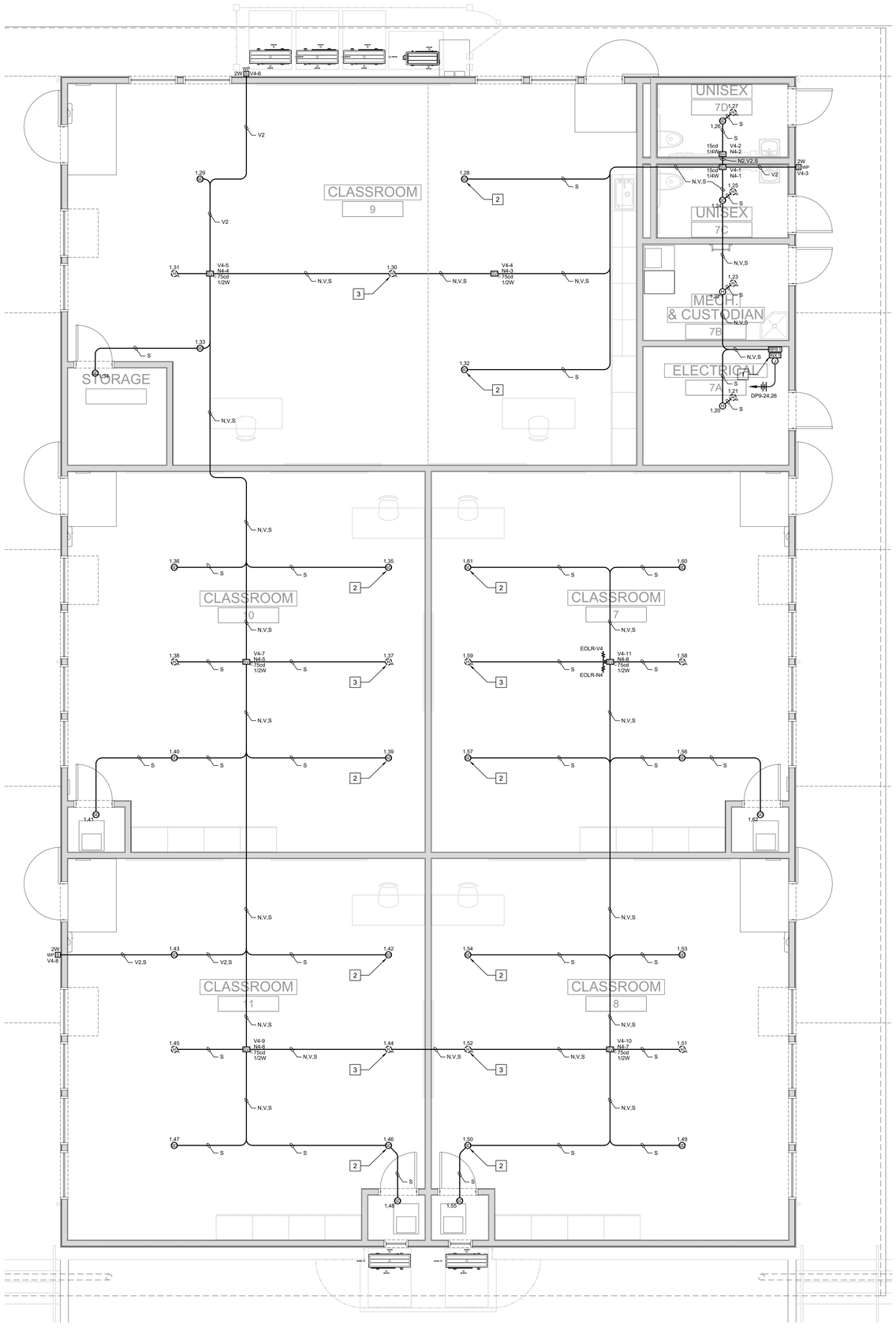

REFERENCE NOTES

1. FIRE ALARM INX TRANSPONDER "INX-2" AND REMOTE POWER SUPPLY "RPS-2". SEE FIRE ALARM RISER DIAGRAM SHEET E5.4. SEE MOUNTING DETAIL 6/E0.7.
2. MOUNT DETECTOR WITHIN 3FT OF PEAK OF CEILING.
3. MOUNT DETECTOR WITHIN 3FT OF PEAK OF ROOF.

FIRE ALARM CABLING SCHEDULE

N	NAC/VISUAL	(2)#14 TWISTED UNSHIELDED
V	VAC/VOICE	(2)#14 TWISTED SHIELDED
S	SLC	(2)#18 TWISTED UNSHIELDED

NOTE:
1. SEE CABLING SCHEDULE ON FIRE ALARM RISER SHEET E-5.4 FOR COMPLETE FIRE ALARM CABLING REQUIREMENTS.
2. CONDUIT SIZE 1" MINIMUM, UNLESS OTHERWISE NOTED.
3. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN A CONDUIT OR RACEWAY SYSTEM U.O.N

FIRE ALARM FLOOR PLAN - BUILDING 121

SCALE: 1/4" = 1'-0"

NORTH

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DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
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FIRE ALARM FLOOR PLAN
BUILDING 121

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

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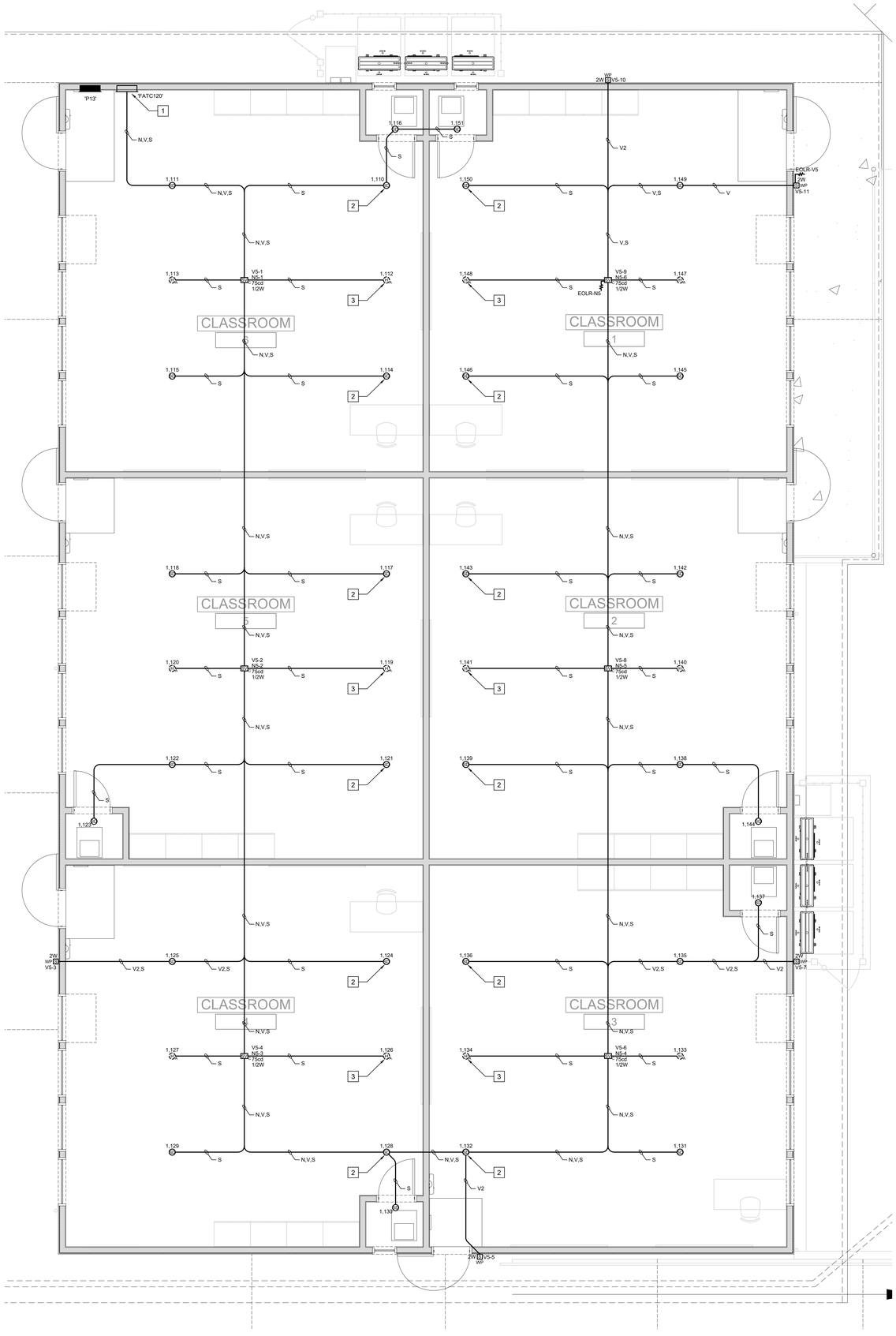
E5.2



REFERENCE NOTES

1. FLUSH MOUNTED FIRE ALARM TERMINAL CABINET 'FATC120'. SEE MOUNTING DETAIL 2/E0.7.
2. MOUNT DETECTOR WITHIN 3FT OF PEAK OF CEILING.
3. MOUNT DETECTOR WITHIN 3FT OF PEAK OF ROOF.

FIRE ALARM CABLING SCHEDULE

N	NAC/VISUAL	(2)#14 TWISTED UNSHIELDED
V	VAC/VOICE	(2)#14 TWISTED SHIELDED
S	SLC	(2)#18 TWISTED UNSHIELDED

NOTE:
1. SEE CABLING SCHEDULE ON FIRE ALARM RISER SHEET E-5.4 FOR COMPLETE FIRE ALARM CABLING REQUIREMENTS.
2. CONDUIT SIZE 1" MINIMUM, UNLESS OTHERWISE NOTED.
3. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN A CONDUIT OR RACEWAY SYSTEM U.O.N

FIRE ALARM FLOOR PLAN - BUILDING 120

SCALE: 1/4" = 1'-0"

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FIRE ALARM FLOOR PLAN
BUILDING 120

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LUCIA MAR UNIFIED SCHOOL DISTRICT

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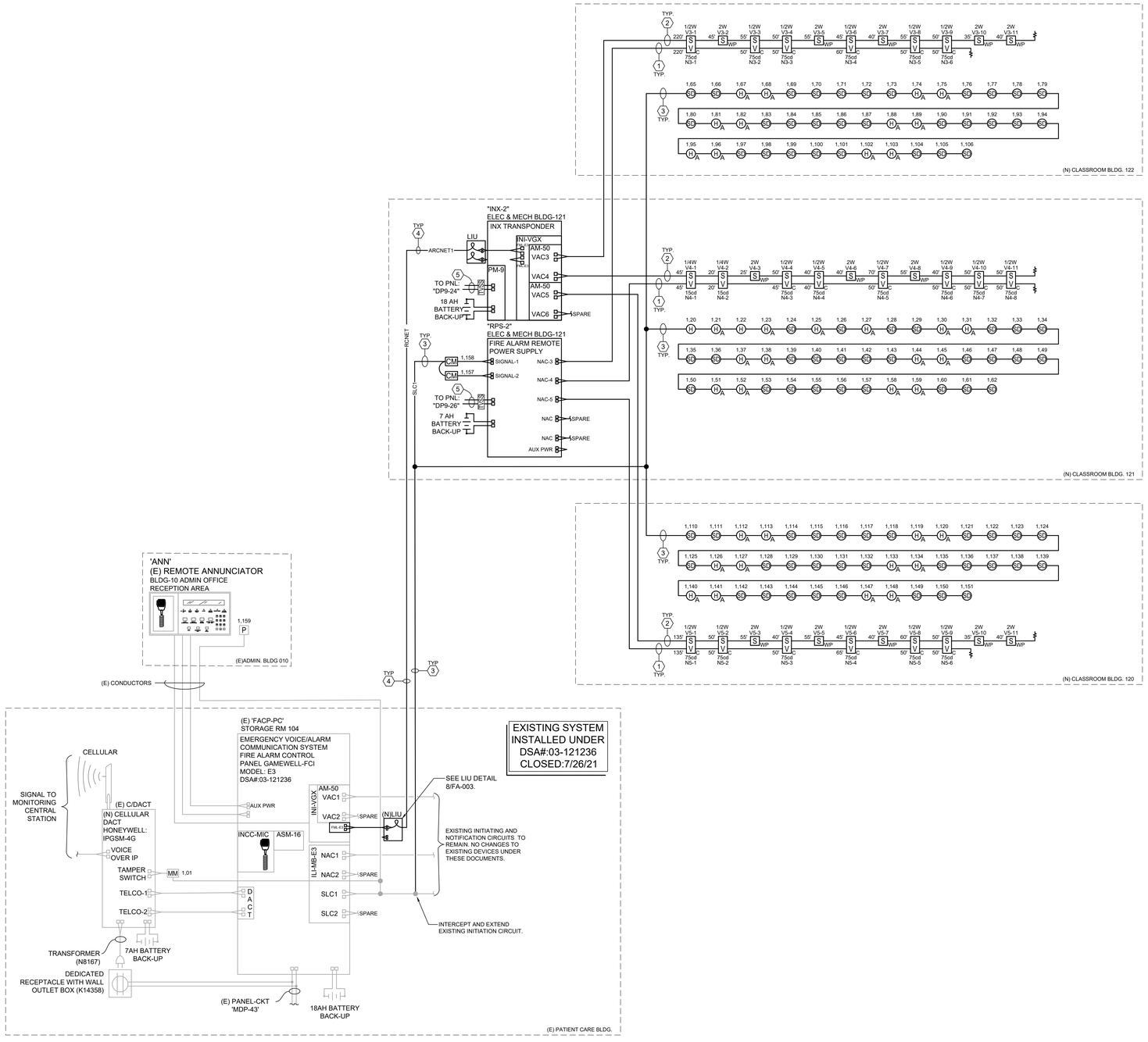
E5.3



FIRE ALARM SYMBOLS LEGEND:

SYMBOL	MODEL #	CSFM #
	(E) EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM(EVACS) FIRE ALARM CONTROL PANEL GAMEWELL-FCI: MODEL E3 DSA A#03-121153 WITH EXISTING COMPONENTS: INTELEGENT LOOP INTERFACE MASTER BOARD: ILI-MB-E3 LCD KEYPAD DISPLAY: LCD-E3 ADDRESSABLE SWITCH MODULE: ASM-16 DIGITAL ALARM COMMUNICATOR TRANSMITTER: DACT-E3 MICROPHONE: INCC-MIC TRANSPONDER VOICE GATEWAY: INI-VGX AMPLIFIER: AM-50 POWER SUPPLY MODULE: PM-9 FIBER LOOP MODULE -FML-E3	7165-1703:0125 EXISTING SYSTEM INSTALLED UNDER DSA#:03-121236 CLOSED:7/26/21 7165-1703:0176
ANN	(E) REMOTE ANNUNCIATOR PANEL GAMEWELL-FCI: LCD-E3-DISPLAY GAMEWELL-FCI: INCC-MIC GAMEWELL-FCI: CABINET 'A'	7165-1703:0125
C/DACT	(E) CELLULAR DIGITAL ALARM COMMUNICATOR TRANSMITTER HONEYWELL (ADEMCO): HWF-24-COM	7300-1645:0511
P	(E) MANUAL PULL STATION GAMEWELL-FCI: MS-7AF	7150-1703:0119
MM	(E) MONITOR MODULE GAMEWELL-FCI: AMM-2F	7300-1703:0102
INX1	(N) INTELLIGENT NETWORK TRANSPONDER GAMEWELL-FCI: -INI-VGX -AM-50-25 -PM-9 -FML-E3 -COOPER DSM-12/24	7165-1703:0125 7165-1703:0176 7300-0785:0132
RPS-1	REMOTE POWER SUPPLY: GAMEWELL-FCI: FPH-PS6	7315-1637:0505
SD	PHOTO SMOKE DETECTOR GAMEWELL-FCI: ASD-PL3 BASE-GAMEWELL-FCI: B300-6	7272-1703:0501 7300-1653:0109
H	HEAT DETECTOR GAMEWELL-FCI: ATD-L3 BASE-GAMEWELL-FCI: B300-6	7270-1703:0502 7300-1653:0109
H A (ATTIC)	HEAT DETECTOR GAMEWELL-FCI: ATD-L3H BASE-GAMEWELL-FCI: B300-6	7270-1703:0502 7300-1653:0109
CM	CONTROL MODULE GAMEWELL-FCI: AOM-2SF	7300-1703:0102
SV (**cd) (***W)	SPEAKER/STROBES-CEILING* WHEELOCK: ELSPSTRC-AL (**SIZES AS PER PLANS) (***SIZES AS PER PLANS)	7320-0785:0505
SW (**cd) (***W)	SPEAKER/STROBES-WALL* WHEELOCK: ELSPSTR-AL (**SIZES AS PER PLANS) (***SIZES AS PER PLANS)	7320-0785:0505
S WP	SPEAKER (WEATHER PROOF) WHEELOCK: ET1010-R (2W EXTERIOR)	7320-0785:0105
	END OF LINE RESISTER (EOLR)	–

* ENSURE NOTIFICATION DEVICES IS NOT PROVIDED WITH ANY "FIRE" MARKING OR IMPRINT ON THE DEVICE SINCE THIS DEVICE IS USED FOR BOTH FIRE NOTIFICATION AND CARBON MONOXIDE NOTIFICATION.

** DEVICE HAS MULTIPLE CANDELA RATINGS. THE E.C. IS RESPONSIBLE FOR CORRECTLY SETTING EACH STROBE OR SPEAKER/STROBE DEVICE ACCORDING TO THESE FIRE ALARM DRAWINGS.

*** DEVICE HAS MULTIPLE WATTAGE SETTINGS. THE E.C. IS RESPONSIBLE FOR CORRECTLY SETTING EACH SPEAKER OR SPEAKER/STROBE DEVICE ACCORDING TO THESE FIRE ALARM DRAWINGS.

GENERAL NOTES

APPLIES TO ALL RISER SHEETS

1. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT, 1"MINIMUM.
2. 120 VAC WIRING WILL BE MINIMUM #12 AWG.
3. WIRING SHALL NOT BE LOOPED THROUGH DEVICE TERMINALS. CONDUCTORS MUST BE CUT AND WIRED "IN" AND "OUT" SO THAT ADEQUATE SUPERVISION OF THE CIRCUIT CAN BE MAINTAINED.
4. ALL DEVICES POLARITY MUST BE OBSERVED.
5. FIRE ALARM CONDUIT AND WIRING INSTALLATION SHALL COMPLY WITH CALIFORNIA ELECTRICAL CODE #760.
6. THIS IS A COMPLETE FIRE ALARM SUBMITTAL: If an alternate system is proposed, Contractor shall submit a separate set of engineered plans, specifications, and engineering calcs. for prior approval to the Owner, Division of State Architect (DSA), Architect, and Engineer including but not necessaliry limited to:
   a. All CSFM listing numbers and Manufacturers model numbers for all system components proposed for this system.
   b. Complete Riser Diagram with point to point wiring diagrams including battery and voltage drop calculations for the entire system.
   c. Indication of conductor type(s), power-limited or non-power limited system.
   d. Information as required to demonstrate compliance with all applicable code(s) and to obtain approval of all Authority(ies) having Jurisdiction (AHJ). In the event of a substitution, installation shall not begin until separate approval has been obtained and all of the above has been accepted and signed by the (AHJ) and the Architect, see Specification Section 01631 regarding substitutions. If routing differs significantly from these plans, approval of the Engineer must be obtained before installation. After construction, provide an accurate set of field record drawings to Owner.
7. THIS PROJECT SITE HAS BEEN DEEMED SURVIVABILITY LEVEL-0. HOWEVER, DISTRICT REQUIRES ALL FIRE ALARM CABLING TO BE INSTALLED IN CONDUIT AS SPECIFIED.

CABLING SCHEDULE

1. VISUALS - (2)#14 TWISTED UNSHIELDED, WINDY CITY WIRE 767960(INTERIOR), 729110VNQ(EXTERIOR) (CSFM# 7161-1727:0100) OR CABLING AS PER MANUFACTURERS RECOMMENDATIONS.
2. SPEAKERS - (2)#14 TWISTED SHIELDED PAIR, WINDY CITY WIRE 767920(INTERIOR), 712110VNQ(EXTERIOR), (CSFM# 7161-1727:0100) OR CABLING AS PER MANUFACTURERS RECOMMENDATIONS.
3. SLC - (2)#18 TWISTED UNSHIELDED PAIR, WINDY CITY WIRE 762360(INTERIOR), 727110VNQ(EXTERIOR) (CSFM# 7161-1727:0100) OR CABLING AS PER MANUFACTURERS RECOMMENDATIONS.
4. ARCNET - MULTIMODE 6-STRAND FIBER OPTIC, OM4, 50UM. (OSP). RED JACKET WITH LC CONNECTORS. LABEL AS FIRE ALARM NETWORK IN EACH PULL BOX. ALL FIBER SHALL BE TERMINATED USING PRE-FABRICATED PIGTAILS, CONTRACTOR SHALL FUSION SPLICE ALL PIGTAILS AND CONNECTORS IN WALL MOUNTED FIBER SPLICE ENCLOSURE. FIELD TERMINATED CONNECTORS ARE NOT ACCEPTABLE. CONTRACTOR SHALL PROVIDE ALL JUMPERS IN SUFFICIENT LENGTH BETWEEN FIBER SPLICE ENCLOSURE AND FIBER OPTIC MODULES IN EQUIPMENT. REFER TO DETAIL 3/FA-305 FOR FIBER CABLING LABEL REQUIREMENTS.
5. 120 VAC DEDICATED CIRCUIT. PROVIDE CIRCUIT BREAKER LOCKING DEVICE WITH RED HANDLE AND LABEL "FIRE ALARM CIRCUIT". SEE FLOOR PLANS AND PANEL SCHEDULES FOR CIRCUIT DESIGNATION(S).

** CONDUIT SIZE SHALL BE 1" MINIMUM, UNLESS OTHERWISE NOTED ON PLANS, REFER TO SITE AND FLOOR PLANS FOR ADDITIONAL FIRE ALARM CONDUIT SIZE REQUIREMENTS. EC SHALL SUBMIT CABLE MAKE/MODEL/CSFM LISTING (OR APPROVED EQUAL) WITH FIRE ALARM PROJECT DATA.

SYSTEM DESCRIPTION

INITIATING CIRCUIT CLASS: 'B'

SYSTEM TYPE: AUTOMATIC

INDICATING CIRCUIT CLASS: B

THE FIRE ALARM SYSTEM SHALL BE OF A TYPE THAT UPON ACTIVATION INITIATES NOTIFICATION BY MEANS OF AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM (EVACS).

SIGNAL DEVICE CIRCUITING LEGEND

DEVICE SYMBOL → V
SIGNAL CIRCUIT # (N)NAC (V)VAC → N1 - 1 ← DEVICE #

INITIATING DEVICE CIRCUITING LEGEND

P ← DEVICE SYMBOL
SIGNAL LINE CIRCUIT # → 1.08 ← DEVICE ADDRESS NUMBER

VOICE NOTIFICATION MESSAGE

EV/ACS SHALL HAVE THE FOLLOWING PROGRAMMED MESSAGES IN BOTH ENGLISH AND SPANISH:

-(MESSAGE TONE)"THIS IS A TEST OF THE EMERGENCY AUDIO SYSTEM."(PROVIDE A 2 SECOND PAUSE)(REPEAT THE MESSAGE.)

-(TEMPORAL 3 TONE FOLLOWED BY) "MAY I HAVE YOUR ATTENTION PLEASE! MAY I HAVE YOUR ATTENTION PLEASE! THE SIGNAL YOU JUST HEARD INDICATED A REPORT OF AN EMERGENCY IN THIS BUILDING. PLEASE PROCEED TO THE NEAREST EXIT AND LEAVE THE BUILDING. DO NOT RE-ENTER THE BUILDING UNLESS DIRECTED TO DO SO BY THE PROPER AUTHORITIES." (PROVIDE A 2 SECOND PAUSE.)(REPEAT THE MESSAGE.)

-(TEMPORAL 4 TONE FOLLOWED BY) MAY I HAVE YOUR ATTENTION PLEASE! MAY I HAVE YOUR ATTENTION PLEASE! CARBON MONOXIDE HAS BEEN DETECTED IN THE BUILDING. PLEASE PROCEED TO THE NEAREST EXIT AND LEAVE THE BUILDING. DO NOT RE-ENTER THE BUILDING UNLESS DIRECTED TO DO SO BY THE PROPER AUTHORITIES.(PROVIDE A 2 SECOND PAUSE.)(REPEAT THE MESSAGE.)

-(MESSAGE TONE)"YOUR ATTENTION PLEASE. THE BUILDING EMERGENCY CONDITION HAS BEEN CLEARED. YOU MAY RETURN TO YOUR NORMAL ACTIVITY. THE BUILDING EMERGENCY CONDITION HAS BEEN CLEARED. YOU MAY RETURN TO YOUR NORMAL ACTIVITY.(PROVIDE A 2 SECOND PAUSE.)(REPEAT THE MESSAGE TWICE.)

FIRE ALARM SYSTEM NOTES

- FIRE ALARM SYSTEM SHALL BE SUPERVISED BY AN APPROVED, UL LISTED CENTRAL STATION (UUFX) OR REMOTE STATION (UUJS) MONITORING COMPANY. (REF: CFC, 907.6.6.4, 2022 EDITION)
- A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES. (NFPA 72, 7.7.2.1, 2022 EDITION)
- ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTAION CABINET. NO RECORD DOCUMENTATION SHALL BE STORED IN THE CONTROL UNIT.(NFPA 72, 7.7.2.3, 2022 EDITION)
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS". (NFPA 72, 7.7.2.5, 2022 EDITION)

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FIRE ALARM RISER

NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL
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LUCIA MAR UNIFIED SCHOOL DISTRICT

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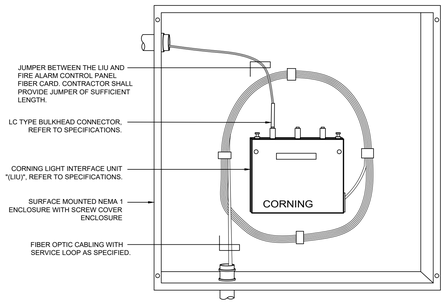
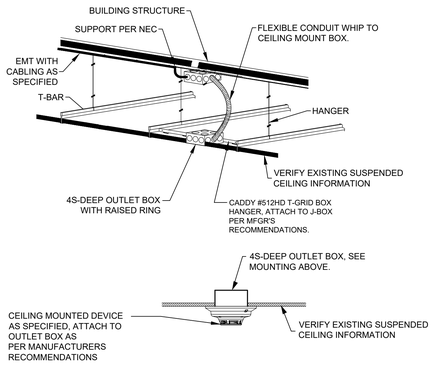


8 TYPICAL LIGHT INTERFACE UNIT 'LIU' INSTALLATION

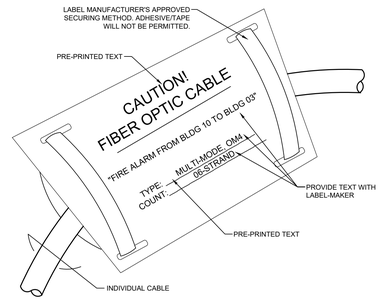
NTS



6 TYPICAL DEVICE MOUNTING DETAIL

AT T-BAR CEILINGS

NTS

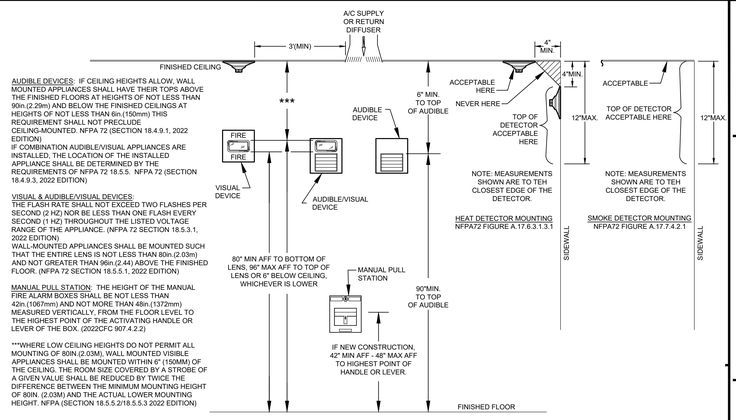


NOTES:

- LABEL SHALL CONTAIN THE WORDS "CAUTION! FIBER OPTIC CABLE"
- LABEL SHALL CLEARLY IDENTIFY THE SOURCE AND DESTINATION OF THE FIBER CABLE.
- LABEL SHALL CLEARLY IDENTIFY THE TYPE AND STRAND COUNT CONTAINED WITHIN THE CABLE.
- ALL LABEL MARKINGS SHALL BE MADE IN INDELIBLE INK
- LABEL SHALL BE SELF LAMINATED AND SUITABLE FOR OUTDOOR, SUBMERGED APPLICATIONS WITHOUT DEGRADATION.
- WHERE USED FOR CAMPUS FIRE ALARM CABLING, TAG COLORS SHALL BE BLACK AND RED.

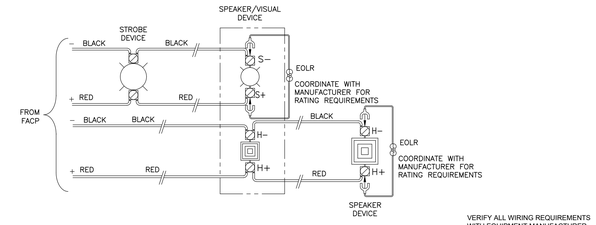
7 FIBER OPTIC CABLE LABEL

NTS



1 DEVICE ELEVATION DETAIL

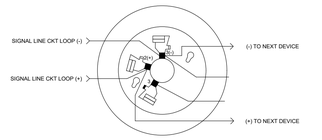
SCALE: N.T.S.



VERIFY ALL WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO CONSTRUCTION.

2 TYPICAL NOTIFICATION CIRCUIT WIRING DIAGRAM

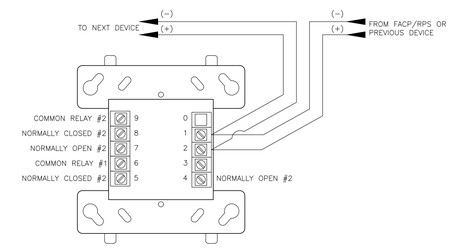
NTS



3 ADDRESSABLE SMOKE AND HEAT DETECTOR WIRING DIAGRAM

VERIFY ALL WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO CONSTRUCTION.

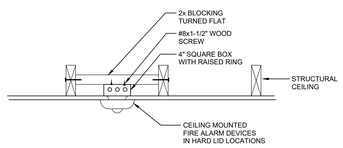
NTS



4 TYPICAL ADDRESSABLE CONTROL MODULE WIRING DIAGRAM

VERIFY ALL WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO CONSTRUCTION.

NTS



5 TYPICAL DEVICE MOUNTING DETAIL

AT HARD LID CEILINGS

NTS

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FIRE ALARM DETAILS

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E5.5

VOLTAGE DROP (VD) CALCULATION

PROJ. NAME	NHS New Classroom Bldgs.
VAC/VOICE SIG CK	V3

CKT/DEVICE #	V3-1	V3-2	V3-3	V3-4	V3-5	V3-6	V3-7	V3-8	V3-9	V3-10
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	220	45	55	50	55	45	40	55	50	35
AMPS @ DEVICE	0.0208	0.083	0.0208	0.0208	0.083	0.0208	0.083	0.0208	0.0208	0.083
AMPS DEVELOPED	0.5398	0.519	0.436	0.4152	0.3944	0.3114	0.2906	0.2076	0.1868	0.166
VOLT. DROP	0.599	0.118	0.121	0.105	0.109	0.071	0.059	0.058	0.047	0.029

CKT/DEVICE #	V3-11	V3-12	V3-13	V3-14	V3-15	V3-16	V3-17	V3-18	V3-19	V3-20
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	40	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0.083	0	0	0	0	0	0	0	0	0
AMPS DEVELOPED	0.083	0	0	0	0	0	0	0	0	0
VOLT. DROP	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FORMULA I X FEET X OHMS / FT	
SIGNAL CIRCUIT =	V3
TOTAL CKT AMPS.=	0.5398 (12.96V)
CIRCUIT LENGTH =	690FT
CKT VOLTAGE=	20.4
TOTAL CKT V.D.=	1.331
VOLTAGE AT FINAL DEVICE=	19.069
% VOLTAGE DROP=	6.524

SPEAKER LOAD
INTERIOR .25W = .0104A
INTERIOR .5W = .0208A
EXTERIOR 2W = .0830A

WIRE SIZE	RESIS. /M FT.	CIRC. MILS.
6	0.5	26240
10	1.21	10380
12	1.59	6530
14	2.52	4110
16	4.02	2580
18	6.39	1620
20	10.1	1020
22	16.2	640
24	25.7	404

VOLTAGE DROP (VD) CALCULATION

PROJ. NAME	NHS New Classroom Bldgs.
NAC/VISUAL SIG CKT#	N4

CKT/DEVICE #	N4-1	N4-2	N4-3	N4-4	N4-5	N4-6	N4-7	N4-8	N4-9	N4-10
DEVICE	S/V15cd	S/V15cd	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	0	0
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	45	20	45	40	50	50	50	50	0	0
AMPS @ DEVICE	0.022	0.022	0.06	0.06	0.06	0.06	0.06	0.06	0	0
AMPS DEVELOPED	0.404	0.382	0.36	0.3	0.24	0.18	0.12	0.06	0	0
VOLT. DROP	0.052	0.039	0.082	0.060	0.060	0.045	0.030	0.015	0.000	0.000

CKT/DEVICE #	N4-11	N4-12	N4-13	N4-14	N4-15	N4-16	N4-17	N4-18	N4-19	N4-20
DEVICE	0	0	0	0	0	0	0	0	0	0
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	0	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0	0	0	0	0	0	0	0	0	0
AMPS DEVELOPED	0	0	0	0	0	0	0	0	0	0
VOLT. DROP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FORMULA I X FEET X OHMS / FT	
SIGNAL CIRCUIT =	N4
TOTAL CKT AMPS.=	0.404
CIRCUIT LENGTH =	350FT
CKT VOLTAGE=	20.4
TOTAL CKT V.D.=	0.423
VOLTAGE AT FINAL DEVICE=	19.977
% VOLTAGE DROP=	2.076

DEVICE LEGEND	
SPEAKER/VISUAL	=S/V
VISUAL DEVICE	=V
CANDELA RATING	=XXcd
CEILING	=C
WALL	=(BLANK)

WIRE SIZE	RESIS. /M FT.	CIRC. MILS.
6	0.5	26240
10	1.21	10380
12	1.59	6530
14	2.52	4110
16	4.02	2580
18	6.39	1620
20	10.1	1020
22	16.2	640
24	25.7	404

VOLTAGE DROP (VD) CALCULATION

PROJ. NAME	NHS New Classroom Bldgs.
VAC/VOICE SIG CK	V5

CKT/DEVICE #	V5-1	V5-2	V5-3	V5-4	V5-5	V5-6	V5-7	V5-8	V5-9	V5-10
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	135	50	55	40	55	45	40	60	50	35
AMPS @ DEVICE	0.0208	0.0208	0.083	0.0208	0.083	0.0208	0.083	0.0208	0.0208	0.083
AMPS DEVELOPED	0.5398	0.519	0.4982	0.4152	0.3944	0.3114	0.2906	0.2076	0.1868	0.166
VOLT. DROP	0.367	0.131	0.138	0.084	0.109	0.071	0.059	0.063	0.047	0.029

CKT/DEVICE #	V5-11	V5-12	V5-13	V5-14	V5-15	V5-16	V5-17	V5-18	V5-19	V5-20
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	40	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0.083	0	0	0	0	0	0	0	0	0
AMPS DEVELOPED	0.083	0	0	0	0	0	0	0	0	0
VOLT. DROP	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FORMULA I X FEET X OHMS / FT	
SIGNAL CIRCUIT =	V5
TOTAL CKT AMPS.=	0.5398 (12.96V)
CIRCUIT LENGTH =	605FT
CKT VOLTAGE=	20.4
TOTAL CKT V.D.=	1.114
VOLTAGE AT FINAL DEVICE=	19.286
% VOLTAGE DROP=	5.462

SPEAKER LOAD
INTERIOR .25W = .0104A
INTERIOR .5W = .0208A
EXTERIOR 2W = .0830A

WIRE SIZE	RESIS. /M FT.	CIRC. MILS.
6	0.5	26240
10	1.21	10380
12	1.59	6530
14	2.52	4110
16	4.02	2580
18	6.39	1620
20	10.1	1020
22	16.2	640
24	25.7	404

VOLTAGE DROP (VD) CALCULATION

PROJ. NAME	NHS New Classroom Bldgs.
NAC/VISUAL SIG CKT#	N3

CKT/DEVICE #	N3-1	N3-2	N3-3	N3-4	N3-5	N3-6	N3-7	N3-8	N3-9	N3-10
DEVICE	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	0	0	0	0
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	220	50	50	60	50	50	0	0	0	0
AMPS @ DEVICE	0.06	0.06	0.06	0.06	0.06	0.06	0	0	0	0
AMPS DEVELOPED	0.36	0.3	0.24	0.18	0.12	0.06	0	0	0	0
VOLT. DROP	0.399	0.076	0.060	0.054	0.030	0.015	0.000	0.000	0.000	0.000

CKT/DEVICE #	N3-11	N3-12	N3-13	N3-14	N3-15	N3-16	N3-17	N3-18	N3-19	N3-20
DEVICE	0	0	0	0	0	0	0	0	0	0
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	0	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0	0	0	0	0	0	0	0	0	0
AMPS DEVELOPED	0	0	0	0	0	0	0	0	0	0
VOLT. DROP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FORMULA I X FEET X OHMS / FT	
SIGNAL CIRCUIT =	N3
TOTAL CKT AMPS.=	0.36
CIRCUIT LENGTH =	480FT
CKT VOLTAGE=	20.4
TOTAL CKT V.D.=	0.635
VOLTAGE AT FINAL DEVICE=	19.765
% VOLTAGE DROP=	3.113

DEVICE LEGEND	
SPEAKER/VISUAL	=S/V
VISUAL DEVICE	=V
CANDELA RATING	=XXcd
CEILING	=C
WALL	=(BLANK)

WIRE SIZE	RESIS. /M FT.	CIRC. MILS.
6	0.5	26240
10	1.21	10380
12	1.59	6530
14	2.52	4110
16	4.02	2580
18	6.39	1620
20	10.1	1020
22	16.2	640
24	25.7	404

VOLTAGE DROP (VD) CALCULATION

PROJ. NAME	NHS New Classroom Bldgs.
VAC/VOICE SIG CK	V4

CKT/DEVICE #	V4-1	V4-2	V4-3	V4-4	V4-5	V4-6	V4-7	V4-8	V4-9	V4-10
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	45	20	25	50	40	40	70	55	40	5
AMPS @ DEVICE	0.0104	0.0104	0.083	0.0208	0.0208	0.083	0.0208	0.083	0.0208	0.0208
AMPS DEVELOPED	0.3946	0.3842	0.3738	0.2908	0.27	0.2492	0.1662	0.1454	0.0624	0.0416
VOLT. DROP	0.089	0.039	0.047	0.073	0.054	0.050	0.059	0.040	0.013	0.001

CKT/DEVICE #	V4-11	V4-12	V4-13	V4-14	V4-15	V4-16	V4-17	V4-18	V4-19	V4-20
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	50	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0.0208	0	0	0	0	0	0	0	0	0
AMPS DEVELOPED	0.0208	0	0	0	0	0	0	0	0	0
VOLT. DROP	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FORMULA I X FEET X OHMS / FT	
SIGNAL CIRCUIT =	V4
TOTAL CKT AMPS.=	0.3946 (9.47W)
CIRCUIT LENGTH =	440FT
CKT VOLTAGE=	20.4
TOTAL CKT V.D.=	0.471
VOLTAGE AT FINAL DEVICE=	19.929
% VOLTAGE DROP=	2.309

SPEAKER LOAD
INTERIOR .25W = .0104A
INTERIOR .5W = .0208A
EXTERIOR 2W = .0830A

WIRE SIZE	RESIS. /M FT.	CIRC. MILS.
6	0.5	26240
10	1.21	10380
12	1.59	6530
14	2.52	4110
16	4.02	2580
18	6.39	1620
20	10.1	1020
22	16.2	640
24	25.7	404

VOLTAGE DROP (VD) CALCULATION

PROJ. NAME	NHS New Classroom Bldgs.
NAC/VISUAL SIG CKT#	N5

CKT/DEVICE #	N5-1	N5-2	N5-3	N5-4	N5-5	N5-6	N5-7	N5-8	N5-9	N5-10
DEVICE	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	S/V75cd-C	0	0	0	0
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	45	20	45	40	50	50	0	0	0	0
AMPS @ DEVICE	0.06	0.06	0.06	0.06	0.06	0.06	0	0	0	0
AMPS DEVELOPED	0.36	0.3	0.24	0.18	0.12	0.06	0	0	0	0
VOLT. DROP	0.082	0.030	0.054	0.036	0.030	0.015	0.000	0.000	0.000	0.000

CKT/DEVICE #	N5-11	N5-12	N5-13	N5-14	N5-15	N5-16	N5-17	N5-18	N5-19	N5-20
DEVICE	0	0	0	0	0	0	0	0	0	0
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	0	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0	0	0	0	0	0	0	0	0	0
AMPS DEVELOPED	0	0	0	0	0	0	0	0	0	0
VOLT. DROP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FORMULA I X FEET X OHMS / FT	
SIGNAL CIRCUIT =	N5
TOTAL CKT AMPS.=	0.36
CIRCUIT LENGTH =	250FT
CKT VOLTAGE=	20.4
TOTAL CKT V.D.=	0.248
VOLTAGE AT FINAL DEVICE=	20.152
% VOLTAGE DROP=	1.216

DEVICE LEGEND	
SPEAKER/VISUAL	=S/V
VISUAL DEVICE	=V
CANDELA RATING	=XXcd
CEILING	=C
WALL	=(BLANK)

WIRE SIZE	RESIS. /M FT.	CIRC. MILS.
6	0.5	26240
10	1.21	10380
12	1.59	6530
14	2.52	4110
16	4.02	2580
18	6.39	1620
20	10.1	1020
22	16.2	640
24	25.7	404

BATTERY CALCULATIONS

PROJECT: **NHS New Classroom Bldgs. - (E)'FACP-PC'**
Based on 24 Hour Standby

Device	Manufacturer	#	QTY	Standby Amps	Total Standby Amps	Alarm Amps	Total Alarm Amps
(E)Fire Alarm Control Pnl -EV/ACS	Gamewell-FCI	E3-Series	1	0.40400	0.404	2.59700	2.597
(E)Remote Annunciator	Gamewell-FCI	LCD-E3	1	0.02400	0.024	0.02800	0.028
(E)Smoke Detector	Gamewell-FCI	ASD-PL3	5	0.00020	0.001	0.00200	0.010
(E)Carbon Monoxide Detector	Gamewell-FCI	MCS-COF	2	0.00030	0.001	0.00720	0.014
(E)Heat Detector	Gamewell-FCI	ATD-L3	8	0.00020	0.002	0.00200	0.016
(E)Pull Station	Gamewell-FCI	MS-7AF	2	0.00030	0.001	0.00300	0.006
(E)Monitor Module	Gamewell-FCI	AMM-2F	1	0.00038	0.000	0.00060	0.001
(E)Speaker-Weatherproof (2Watts)	Wheelock	ET1010R	2	0.00000	0.000	0.08330	0.167
Speaker/Strobe-Ceiling -15cd / .5Watts Speaker	Wheelock	LSPSTRC3		0.00000	0.000	0.06080	0.000
(E)Speaker/Strobe-Ceiling -75cd / .5Watts Speaker	Wheelock	LSPSTRC3	2	0.00000	0.000	0.17580	0.352
Smoke Detector	Gamewell-FCI	ASD-PL3	87	0.00020	0.017	0.00200	0.174
Heat Detector	Gamewell-FCI	ATD-L3	40	0.00020	0.008	0.00200	0.080
Control Module	Gamewell-FCI	AOM-2RF	2	0.00038	0.001	0.00650	0.013
			0	0.00000	0.000	0.00000	0.000
				Total:	0.458	Total:	3.457

Total Standby Amps =	0.458 x	24	Hours =	11.000	Amp-Hours
Total Alarm Amps =	3.457 x	0.25	Hours =	0.864	Amp-Hours
		(15 minutes)			
Total Amp-Hours required after 24 hours standby and 15 minutes alarm.				11.864	Amp-Hours
Total Battery Amp-Hours required:					
Total Amp-Hours required x 1.2 =				14.24	Amp-Hours
Total Amp-Hours Supplied=				18	Amp-Hours
Spare Capacity=				3.763	Amp-Hours

BATTERY CALCULATIONS

PROJECT: **NHS New Classroom Bldgs. - 'INX-2'**
Based on 24 Hour Standby

Device	Manufacturer	#	QTY	Standby Amps	Total Standby Amps	Alarm Amps	Total Alarm Amps
Inteligent Network Voice Gateway	Gamewell-FCI	INI-VGX	1	0.1500	0.150	0.1500	0.150
Amplifier Sub-assembly	Gamewell-FCI	AM-50	2	0.0860	0.172	2.2060	4.412
Power Supply	Gamewell-FCI	PM9	1	0.0500	0.050	0.0500	0.050
**SPEAKER LOADS	---------------	---------------	--------	---------	0.000	-------	0.000
Speaker-Weatherproof (2Watts)	System Sensor	SPRK	13	0.0000	0.000	0.0833	1.083
Speaker/Strobe-Wall -15cd / (.25Watts Speaker)	System Sensor	ELSPSTR-AL	2	0.00000	0.0000	0.01040	0.0208
Speaker/Strobe-Ceiling -75cd / (.5Watts Speaker	System Sensor	ELSPSTRC-AL	18	0.00000	0.0000	0.02080	0.3744
				0.0000	0.000	0.0000	0.000
				Total:	0.372	Total:	6.090

Total Standby Amps =	0.372 x	24	Hours =	8.928	Amp-Hours
Total Alarm Amps =	6.090 x	0.25	Hours =	1.523	Amp-Hours
		(15 minutes)			
Total Amp-Hours required after 24 hours standby and 5 minutes alarm.				10.451	Amp-Hours
Total Battery Amp-Hours required:					
Total Amp-Hours required x 1.2 =				12.54	Amp-Hours
Total Amp-Hours Supplied=				18	Amp-Hours
Spare Capacity=				5.459	Amp-Hours

BATTERY CALCULATIONS

PROJECT: **NHS New Classroom Bldgs. - 'RPS-2'**
Based on 24 Hour Standby

Device	Manufacturer	#	QTY	Standby Amps	Total Standby Amps	Alarm Amps	Total Alarm Amps
Remote Power Suppy	Gamewell-FCI	HPF-PS6	1	0.0139	0.014	0.1570	0.157
**STROBE LOADS	---------------	---------------	-----	-------	0.000	-------	0.000
Speaker/Strobe-Wall -15cd / (.25Watts Speaker)	System Sensor	ELSPSTR-AL	2	0.00000	0.0000	0.02200	0.0440
Speaker/Strobe-Ceiling -75cd / (.5Watts Speaker	System Sensor	ELSPSTRC-AL	18	0.00000	0.0000	0.06000	1.0800
			0	0.0000	0.000	0.0000	0.000
				Total:	0.014	Total:	1.281

Total Standby Amps =	0.014 x	24	Hours =	0.334	Amp-Hours
Total Alarm Amps =	1.281 x	0.25	Hours =	0.320	Amp-Hours
		(15 minutes)			
Total Amp-Hours required after 24 hours standby and 15 minutes alarm.				0.654	Amp-Hours
Total Battery Amp-Hours required:					
Total Amp-Hours required x 1.2 =				0.78	Amp-Hours
Total Amp-Hours Supplied=				7	Amp-Hours
Spare Capacity=				6.215	Amp-Hours

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125793 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/15/2026

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENSED ARCHITECT
MARK C. FINNEY
REN. 8-30-27
NO. C-24673
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. [illegible]
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empleo St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

FIRE ALARM CALCS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

E5.6

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TASK RESPONSIBILITY MATRIX

TASK	RESPONSIBLE PARTY
TELECOM - CONDUIT, BACKBOXES, FLOORBOXES, POKE-THRU'S, SLEEVES	CFCI
TELECOM - CONDUIT ID, LABELING, AND PULLSTRINGS	CFCI
TELECOM - EQUIPMENT STRUCTURAL SUPPORTS AND BACKING	CFCI
TELECOM - EQUIPMENT CEILING PREP (ACCESS POINTS, CAMERAS, INTRUSION)	CFCI
POWER TO TELECOM, RACKS, HEAD-END EQUIPMENT	CFCI
TELECOM EQUIPMENT RACKS, PATCH PANELS, CABLE MANAGEMENT, LADDER RACKING/TRAY	CFCI
TELECOM CABLING AND TERMINATION	CFCI
TELECOM FACEPLATES AND DIVIDERS	CFCI
NETWORK EQUIPMENT (SWITCHES, RACK-MOUNT UPS IN IDF'S, SERVERS, STORAGE)	OFCI
MISC. IT EQUIPMENT (TELEPHONES, COMPUTERS, MONITORS)	OFOI
WIRELESS ACCESS POINTS	OFCI
POE SPEAKERS	OFCI
CLOCK DEVICES	CFCI
HDMI CABLES	OFCI

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI = OWNER FURNISHED, OWNER INSTALLED

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNER OF ALL HARDWARE NOTED WITHIN DRAWINGS OR SPECIFICATIONS AS FURNISHED OR PROVIDED BY OWNER AND CONTRACTOR INSTALLED. SUCH NOTICE SHALL BE PROVIDED TO OWNER AT CONTRACT NOTICE TO PROCEED, AND A CORRESPONDING SCHEDULE FOR WHEN SPECIFIC EQUIPMENT IS NECESSARY FOR INSTALLATION BY CONTRACTOR. ALL HARDWARE SHALL BE INSTALLED BY THE EC UNLESS NOTED OTHERWISE.

BASIS OF DESIGN

TELECOMMUNICATIONS ROOM ('TR' / 'IDF' / 'MDF') ROOM EQUIPMENT

MANUF.	MANUFACTURER'S PART NO. / SERIES NO.	DESCRIPTION
CHATSWORTH	48353-703	UNIVERSAL, 44RU, 2-POST COMMUNICATIONS RACK
CHATSWORTH	10250-X (SERIES)	UNIVERSAL CABLE RUNWAY, BLACK
LEVITON	5R2UM-F06	2RU FIBER OPTIC SPLICE ENCLOSURE AND PATCH PANEL
LEVITON	49255-H24	24 PORT, 1RU MODULAR PATCH PANEL (CAT6A) - COMPATIBLE WITH LEVITON QUICKPORT CONNECTORS
LEVITON	49255-H48	48 PORT, 2RU MODULAR PATCH PANEL (CAT6A) - COMPATIBLE WITH LEVITON QUICKPORT CONNECTORS
ICC	ICCMSCMA15	HORIZONTAL CABLE MANAGER, 1RU, HINGED
ICC	ICCMSCMA25	HORIZONTAL CABLE MANAGER, 2RU, HINGED
CHATSWORTH	11729-703	VERTICAL CABLE MANAGER FOR 2-POST RACK
EATON	5PX300RT2U	120V (NEMA L5-20P) UPS, AT IDF ONLY
HUBBELL	RE4X	HUBBEL RE-BOX IDF24 CABINET

CABLING

MANUF.	MANUFACTURER'S PART NO. / SERIES NO.	DESCRIPTION
BERK-TEK	"ADVENTUM"	INDOOR/OUTDOOR, GIGALITE-'AB', LOOSE TUBE 'OS2', 12-STRAND, SINGLE MODE FIBER OPTIC CABLE
BERK-TEK	LANMARK-1000*	CAT6 CABLE (INDOOR, RISER RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)
BERK-TEK	LANMARK-1000* OSP	CAT6 CABLE (OSP, OUTDOOR RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)
BERK-TEK	LANMARK RDT UTP CMP	CAT6A CABLE (INDOOR, PLENUM RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)
BERK-TEK	LANMARK 10G OSP	CAT6A CABLE (OSP, OUTDOOR RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)

INTERCOM/PA/BELLS/CLOCKS

(CONTRACTOR SHALL PROVIDE MOUNTING ACCORDING TO CEILING TYPE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLAN)

MANUF.	MANUFACTURER'S PART NO. / SERIES NO.	DESCRIPTION
ALGO	8180 G2	IP SPEAKER FOR VOICE PAGING, EMERGENCY ALTERING, & LOUD RINGING (POE)
ALGO	8128	IP STROBE LIGHT FOR TELEPHONE, SAFETY, SECURITY & EMERGENCY ALTERING (POE) - ONLY USED WHEN A ROOM REQUIRES A VISUAL ALERTER.
ALGO	8186	WIDEBAND IP HORN SPEAKER FOR VOICE PAGING, EMERGENCY ALTERTING & LOUD RINGING (POE)

*NOTE: PROVIDE OSP OUTDOOR CABLE WHERE ROUTED OUTDOORS AND BETWEEN BUILDINGS.

TELECOMMUNICATIONS DEVICE SCHEDULE

SYMBOL	BACKBOX	MUD RING	CONDUIT STUB	CABLE TYPE	CABLE QUANTITY	CABLE COLOR	FACEPLATE (TO MATCH DIV26 SPEC)	NOTES
▽n	EXTRA DEEP 5-SQUARE	SINGLE GANG	1-1/4"	CAT6/6A	4	(1) CAT6 CABLE (RISER), BLUE IN COLOR (1) CAT6 CABLE (RISER), BLUE IN COLOR (1) CAT6 CABLE (RISER), BLUE IN COLOR (1) CAT6 CABLE (RISER), BLUE IN COLOR	4-PORT	STANDARD WORK AREA OUTLET. "n" = NUMBER OF CAT6/6A DATA DROPS. PROVIDE BLANK COVERS FOR UNUSED PORTS. SEE DETAIL 1/E0.8 AND 5/E0.8 FOR FACEPLATE NAMING CONVENTIONS.
+100"▽n	EXTRA DEEP 5-SQUARE	SINGLE GANG	1-1/4"	CAT6	2	CAT6 CABLE (RISER) BLUE IN COLOR	2-PORT	DATA OUTLET AT 100" AT LOCATION SHOWN IN PLAN. "n" = NUMBER OF CAT6/6A DATA DROPS. COORDINATE MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH IN. SEE DETAIL 7/E0.8 FOR RECESSED MEDIA LAYOUT.
HDMI	4-11/16"	SINGLE GANG	1-1/4"	NONE	-	-	LEVITON BRUSHED	
AP	-	-	1-1/4"	CAT6A	2	CAT6A CABLE (RISER) WHITE IN COLOR	-	INTERIOR WIRELESS ACCESS POINT, DISTRICT PROVIDED (INCLUDING MOUNT) AND CONTRACTOR INSTALLED. MOUNTING PER DETAIL 2/E0.8 OR 3/E0.8.
HAPWP	-	-	1-1/4"	CAT6A	1	CAT6A CABLE (RISER) WHITE IN COLOR	-	EXTERIOR (WP) WALL MOUNTED WIRELESS ACCESS POINT LOCATION, DISTRICT PROVIDED (INCLUDING MOUNT) AND CONTRACTOR INSTALLED. EC SHALL PROVIDE (1) CAT6A CABLE EACH. REFER TO MANUFACTURER'S MOUNTING REQUIREMENTS.
APWP	-	-	1-1/4"	CAT6A	1	CAT6A CABLE (RISER) WHITE IN COLOR	-	EXTERIOR (WP) WIRELESS ACCESS POINT LOCATION, DISTRICT PROVIDED (INCLUDING MOUNT) AND CONTRACTOR INSTALLED. EC SHALL PROVIDE (1) CAT6A CABLE EACH. REFER TO MANUFACTURER'S MOUNTING REQUIREMENTS.
S	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	VOIP ENABLED CEILING MOUNTED SPEAKER (PART NUMBERS PER BASIS OF DESIGN). CONTRACTOR SHALL PROVIDE (1) BLUE CAT6 CABLE PER DEVICE FROM IDF WITH MINIMUM 10'-0" SERVICE LOOP TERMINATED IN BISCUIT INSIDE SPEAKER ENCLOSURE.
SI	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	VOIP ENABLED WALL MOUNTED SPEAKER (PART NUMBERS PER BASIS OF DESIGN). CONTRACTOR SHALL PROVIDE (1) BLUE CAT6 CABLE PER DEVICE FROM IDF WITH MINIMUM 10'-0" SERVICE LOOP TERMINATED IN BISCUIT INSIDE SPEAKER ENCLOSURE.
SWP	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	WEATHER PROOF (WP) OUTDOOR SPEAKER (PART NUMBERS PER BASIS OF DESIGN). EC SHALL PROVIDE (N) (1) CAT6 CABLE PER SPEAKER WITH MINIMUM 10'-0" SERVICE LOOP TERMINATED IN BISCUIT INSIDE SPEAKER ENCLOSURE. EC SHALL COORDINATE WITH DISTRICT REPRESENTATIVE FOR FINISHED MOUNTING HEIGHT.
VS	EXTRA DEEP 5-SQUARE	SINGLE GANG	1-1/4"	CAT6	HARD LID = (1) T-BAR = (2)	CAT6 CABLE (RISER) BLUE IN COLOR	-	PROVIDE SINGLE GANG BOX, DATA PORT AND COVER WITH (1) CAT6 CABLE TO IDF FLUSH MOUNTED IN HARD LID CEILING FOR FUTURE VAPE SENSOR.
CAM	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	EXTERIOR CAMERA LOCATION, PROVIDE (1) BLUE CAT6 CABLE PER LOCATION, TERMINATED IN 1-PORT BISCUIT IN FLUSH MOUNTED WEATHERPROOF 5S BOX 120" AFF. EC SHALL PAINT WEATHERPROOF COVER TO MATCH EXISTING BUILDING.

1 TELECOMMUNICATION DEVICE CABLE AND ROUGH-IN SCHEDULE
SCALE: NTS

GENERAL COMMUNICATION PLAN NOTES

A. REFER TO PROJECT TELECOMMUNICATIONS PLANS AND SPECIFICATIONS FOR FURTHER INFORMATION.

B. SIGNAL AND COMMUNICATIONS SYSTEMS RACEWAYS AND BOXES: PROVIDE AND INSTALL 5" SQUARE ("RANDL, INC") RECESSED JUNCTION BOX WITH 1-GANG RING AND (1) 1-1/4" CONDUIT STUB TO ACCESSIBLE CEILING SPACE ABOVE OR UNDER FLOOR SPACE BELOW AS APPLICABLE AT EACH WALL TELECOMMUNICATIONS (PHONE, PHONE/DATA, DATA) OUTLET AND TELEVISION OUTLET LOCATION SHOWN ON THE PLANS UNLESS OTHERWISE NOTED. PROVIDE PATHWAYS BETWEEN COMMUNICATIONS EQUIPMENT ROOM LOCATIONS AND ACCESSIBLE CEILINGS FOR ROUTING OF PHONE/DATA CABLES.

WHERE NO ACCESSIBLE CEILING EXIST; RUN CONDUIT FROM OUTLETS (FLOOR OR WALL) TO COMMUNICATIONS EQUIPMENT LOCATION.

PROVIDE 1-1/4" CONDUIT MINIMUM FOR FLOOR BOX TELECOM, AS SHOWN ON TELECOM PLANS.

BEFORE CONSTRUCTION, COORDINATE AND VERIFY TELECOMMUNICATIONS OUTLET LOCATIONS WITH OWNER OR ARCHITECT.

C. CONDUIT STUBS FROM BACKBOXES SHALL BE ROUTED TO ABOVE NEAREST ACCESSIBLE CEILING SPACE WITH ACCESS TO PRIMARY PATHWAY BACK TO IDF OR MDF, UNLESS NOTED OTHERWISE

D. CONFIRM ALL DEVICE HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH IN AND COORDINATE FINAL LOCATIONS WITH NEARBY DEVICE DICSIPLINES.

E. COORDINATE ALL ROUGH-IN FOR OFOI DEVICES WITH OWNER IT REPRESENTATIVE PRIOR TO ROUGH-IN.

F. PROVIDE EQUIPMENT RACKS, PATCH PANELS, CABLING, TERMINAL BLOCKS & COMPLETE OUTLET ASSEMBLIES.

G. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.

H. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN FIRE RATED, OR SOUND RATED (STC) ASSEMBLIES SHALL BE PROVIDED WITH PUTTY PADS LISTED FOR THE APPLICATION.

I. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS. ALTERNATIVELY, A DEVICE BRACKET MAY BE USED BETWEEN STUDS WITH 4-INCH SEPARATION BETWEEN POWER AND LOW VOLTAGE BOXES.

J. AVOID UNDERGROUND TELECOM CONDUIT RUNS UNLESS NECESSARY. WHERE UNDERGROUND CONDUIT IS USED, TELECOM CABLES SHALL BE WET LISTED.

K. CABLE LADDER DROP-OUTS SHALL BE INSTALLED WHEREVER NECESSARY TO FACILITATE CABLE TRANSITIONS AND MIN BEND RADIUSES. DROP-OUTS SHALL BE EQUIVALENT TO CHATSWORTH AND SOLID ONE PIECE CONSTRUCTION.

L. NO LOW-VOLTAGE SYSTEM MAY USE THE TELECOMMUNICATIONS PATHWAY AS DESCRIBED ON THE TECHNOLOGY PLANS AND SPECIFICATIONS. THE TELECOMMUNICATION SYSTEM CABLING SHALL BE THE ONLY SYSTEM TO UTILIZE THE INFRASTRUCTURE AND CABLE TRAY / CABLE RUNWAY SYSTEM.

M. KEYSTONES TO MATCH COLOR OF CABLE JACKET

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GENERAL COMMUNICATION NOTES,
BASIS OF DESIGN

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

REVISIONS
NO. ITEM DATE

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 04/24/26

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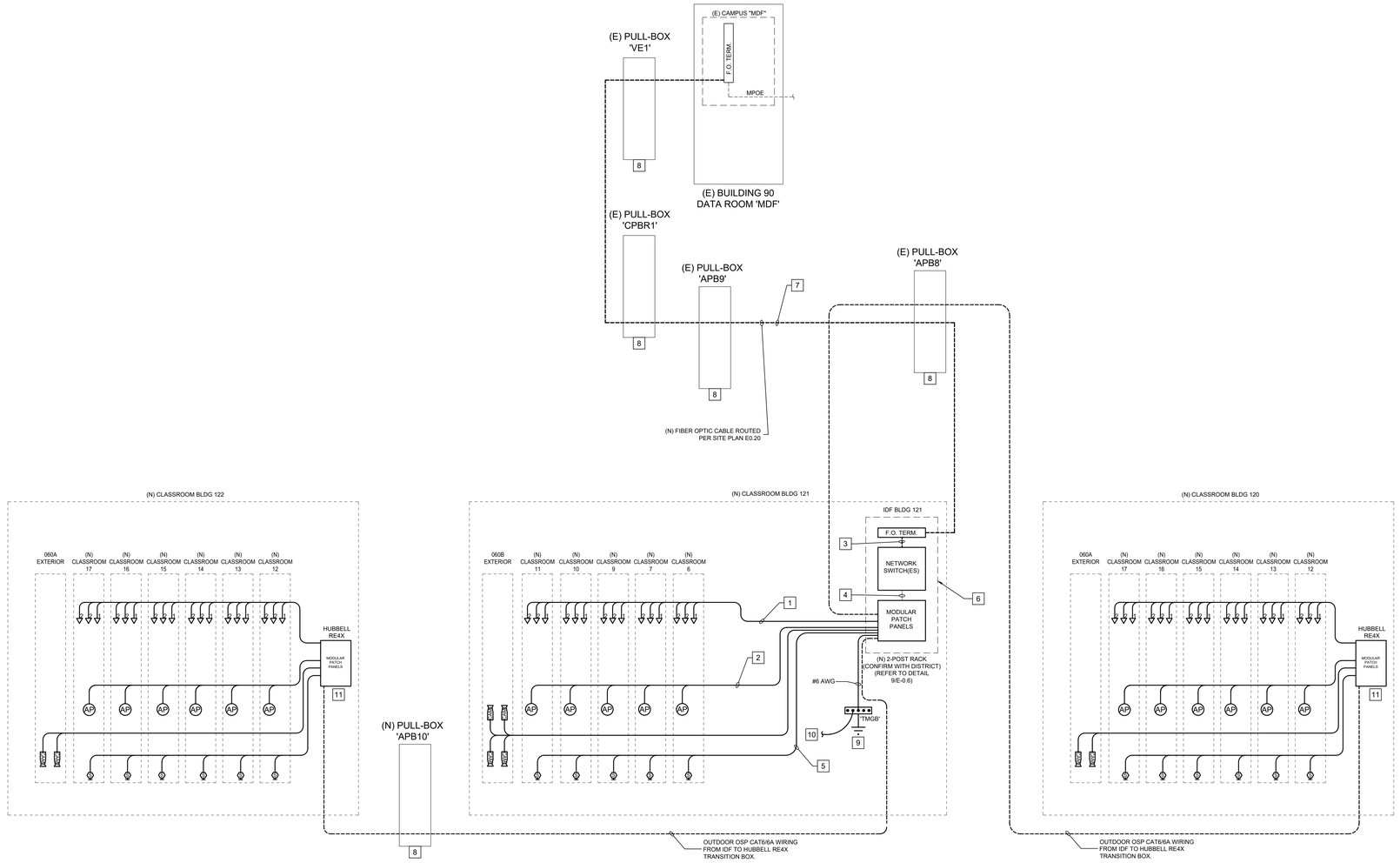
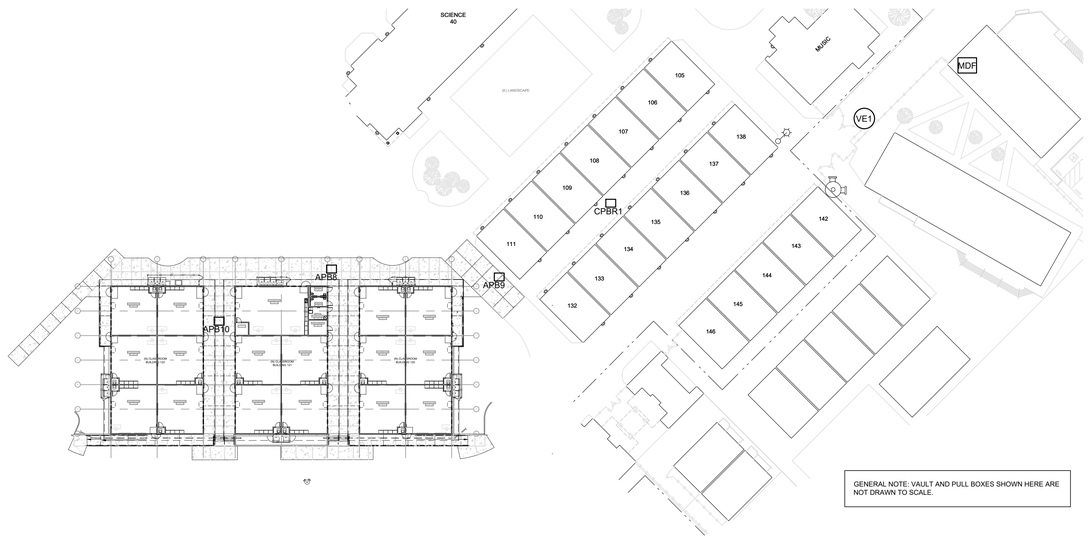


PARTIAL CAMPUS COMMUNICATIONS RISER DIAGRAM



1 PARTIAL CAMPUS VAULT AND PULL BOX LOCATIONS

SCALE: 1" = 40'

☐ REFERENCE NOTES

1. (N) CAT6 TO EACH DATA OUTLET (QUANTITY PER RISER; BLUE JACKET).
2. (N) (2) CAT6A AT EACH CLASSROOM WAP (WHITE JACKET).
3. F.O. JUMPERS - TO MATCH CABLE PLANT (2M MAX).
4. CAT 6/6A JUMPERS - TO MACH CABLE PLANT (2M MAX).
5. (N) (1) CAT6 CABLE PER EACH SPEAKER DEVICE TERMINATED IN BISCUIT IN TRUE 5S BACKBOX ON WALL. USE WEATHERPROOF BOXES AND METHODS FOR EXTERIOR SPEAKERS. SPEAKER DEVICE SHALL BE PROVIDED BY DISTRICT AND INSTALLED BY CONTRACTOR. EC SHALL TERMINATE AND TEST BISCUIT IN PREPARATION FOR (N) DEVICE.
6. CONTRACTOR SHALL COORDINATE WITH DISTRICT IT STAFF FOR INSTALLATION AND SCHEDULING OF NEW EQUIPMENT TO BE PROVIDED BY THE IT DEPT.
7. (N) 12 STRAND SINGLE-MODE (OS2) IN A SINGLE JACKET (AQUA IN COLOR) AND PLACED IN CONDUIT (SIZES/QUANTITIES PER SITE PLAN). ALL STRANDS SHALL BE TERMINATED IN FIBER SPLICE ENCLOSURES AT EACH END OF THE CABLE INSTALLATION. ALL CABLING BETWEEN EXISTING CAMPUS MDF AND NEW BUILDING IDFS SHALL BE UNDERGROUND/WET LOCATION LISTED. VERIFY CABLE TYPES WITH DISTRICT PRIOR TO SUBMITTALS. REFER TO ELECTRICAL SITE PLANS FOR ROUTING.
8. REFER TO ELECTRICAL SITE PLAN FOR LOCATION.
9. (N) WALL MOUNTED TELECOMMUNICATIONS GROUND BUS BAR PER DETAIL 4/E0.7.
10. (N) THWN, GREEN JACKETED GROUND CONDUCTOR BETWEEN TELECOMMUNICATIONS ROOM GROUND BUS BAR AND BUILDING MAIN ELECTRICAL PANEL EQUIPMENT GROUND BUS ROUTE IN (N) 1" CONDUIT.
11. REFER TO ELECTRICAL/COMM FLOOR PLAN E2.1~E2.3 FOR LOCATION.

GENERAL NOTES

A. CATEGORY CABLING, MODULAR JACKS, AND PATCH CABLES SHALL MATCH COLOR OF (N) CABLE PLANT AS FOLLOWS:
   - CAT6 = BLUE IN COLOR.
   - CAT6A = WHITE IN COLOR.

B. CAT6 AND CAT6A CABLES, TOTAL LENGTH FROM IDF TO ENDPOINT SHALL NOT BE MORE THAN 295'-0"; CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY LENGTHS IN EXCESS OF 295'-0" PRIOR TO ROUGH-IN INSPECTION.

C. CAT6 AND CAT6A CABLES SHOWN AS ROUTED UNDERGROUND BETWEEN BUILDINGS SHALL BE OUTDOOR PLANT RATED AS SHOWN.

D. EC SHALL PROVIDE 10' SERVICE LOOP AT EACH (E) AND (N) PULL-BOX FOR CABLE SHOWN AS (N).

E. DISTRICT TO PROVIDE VOIP (VOICE OVER INTERNET PROTOCOL) PHONE HAND SETS AT EACH NEW CLASSROOM.

F. CABLING TYPES SHALL BE SUITABLE AND RATED FOR THE APPLICATION INSTALLED (PLENUM, UNDERGROUND, ETC.).

G. ALL FIBER OPTIC CABLES SHALL BE FUSION SPLICED TO PRE-TERMINATED/POLISHED PIG-TAILS IN APPROVED FIBER SPLICE ENCLOSURES AND SPLICE TRAYS.

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