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FB-26-15

VALLE LINDO ELEMENTARY (CAPE) RELOCATABLE BUILDING

CONSTRUCTION OF 1-RELOCATABLE 24X40 BUILDING (PC04-121999)

PLEASANT VALLEY SCHOOL DISTRICT

LINKED CERTIFICATION

THIS PROJECT A#03-125745; CANNOT BE CERTIFIED UNTIL THE PREVIOUS PROJECT CONTAINING REQUIRED ACCESSIBLE COMPONENTS IS CERTIFIED:

A#03-123817 (ACCESSIBLE ROUTE OF TRAVEL, ACCESSIBLE PARKING & FIRE APARATUS ACCESS)

GENERAL DSA NOTES

1. 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, C.C.R. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENT WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, C.C.R., 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, C.C.R.).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY THE ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1 TITLE 24, CCR.
3. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
4. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
6. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
7. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
8. THE PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.
9. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE FIRE SAFETY PLAN.

INSPECTOR OF RECORD

DSA IR A-7

A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. THE PROJECT INSPECTOR SHALL BE CERTIFIED BY DSA TO INSPECT CLASS II (SITE) RBIP OR CLASS I (IN-PLANT) MINIMUM CONTRUCTION PER DSA IR A-7.

PREFABRICATED BUILDING NOTES

1. THE FOLLOWING DOCUMENTS SHALL BE ON THE JOBSITE PRIOIR TO INSTALLATION OF THE UNIT(S) INCLUDING THE SERIAL NUMBER FOR EACH UNIT:
   - A. IN-PLANT VERIFIED REPORT
   - B. LABORATORY VERIFIED REPORT
   - C. WELDING VERIFIED REPORT
2. THE SITE PROJECT INSPECTOR SHALL VERIFY THE ABOVE DOCUMENTS ARE APPLICABLE TO EACH UNIT PRIOR TO INSTALLATION OF THE UNIT(S).
3. THE SITE PROJECT INSPECTOR NOTIFY THE ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.

EVCS REQUIREMENTS

DSA IR CG-1

PROJECT DOES NOT INCLUDE PARKING LOT ALTERATIONS. NO EVCS REQUIRED AS PART OF PROJECT.

PV/BATTERY REQUIREMENTS

DSA IR N-3

PROJECT EXEMPT FROM REQUIREMENTS OF ENERGY CODE SECTION 110.10 PER SECTION 140.10 EXCEPTION 2, PV SYSTEM < 4 KWdc.

1.5 KW/dc PER TABLE 140.10-A 1.63 W/sf OF SCHOOL BUILDING AREA X 960 SF

ACCEPTANCE TESTING

CAC 10-103

SEE SHEET AS-102 FOR REQUIREMENTS.

APPLICABLE CODES

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF THE TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS (CCR), REFER TO RELOCATABLE DRAWINGS FOR OTHER REQUIREMENTS:

2022 CALIFORNIA BUILDING STANDARDS CODE C.C.R. TITLE 24:
- 2025 CALIFORNIA ADMINISTRATIVE CODE, C.C.R. TITLE 24 PART 1
- 2022 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24 PART 2
- 2022 CALIFORNIA FIRE CODE, C.C.R. TITLE 24 PART 9
- 2022 CALIFORNIA EXISTING BUILDING CODE, C.C.R. TITLE 24 PART 10
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24 PART 12

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS AS REFERENCED BY 2022 CBC CHAPTER 35 AND CFC CHAPTER 80:

NFPA 72 NATIONAL FIRE ALARM CODE (CALIF. AMENDED), 2022 EDITION (NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

WORK EXEMPT (DSA 103)

BELOW ARE THE ELEMENTS OF THE WORK THAT ARE EXEMPT FROM DSA REQUIREMENTS FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS. FOR MORE INFORMATION REFER TO DSA FORM 103 STRUCTURAL TESTS/SPECIAL INSPECTIONS.

SOILS EXEMPT FROM INSPECTION:
- SHALLOW FOUNDATIONS.
  - B) SOIL SCARFICATION/RECOMPACTION NOT EXCEEDING 12" DEPTH.
  - C) NATIVE SOIL OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK.
  - D) UNPAVED LANDSCAPING AREAS.
  - E) UTILITY TRENCH BACKFILL WITH DEPTH NOT EXCEEDING 12".
- ELIGIBLE DEEP FOUNDATION ELEMENTS, TYPE 1.
  - B) POLES SUPPORTING OPEN MESH FENCES.

CONCRETE/MASONRY EXEMPT FROM INSPECTION:
- POST INSTALLED ANCHORS.
  - A) EXEMPT NON-STRUCTURAL COMPONENTS (E.G. MECHANICAL, ELECTRICAL, PLUMBING EQUIPMENT).
- CONCRETE BATCH PLANT INSPECTION PER CBC 1705A.3.3.2.
  - 1. SITE FLATWORK
- EPOXY SHEAR DOWELS IN SITE FLATWORK AND/OR OTHER NON-STRUCTURAL COMPONENTS CBC 1910A.5.4 EXCEPTION #4.
- ELIGIBLE PRECAST ELEMENTS
  - 1. UNDERGROUND VAULTS NO GREATER THAN 5 FEET X 5 FEET X UNLIMITED HEIGHT AND PIPE MANUFACTURER TO AN ASTM STANDARD, 5 FOOT OR LESS IN DIAMETER.

WELDING EXEMPT FROM INSPECTION:
- ELIGIBLE FENCE AND GATES: MAX. LEAF SPAN OF 10' AND HAVING AN APEX HEIGHT LESS THAN 8'-0" ABOVE LOWEST ADJACENT GRADE.
- ELIGIBLE RAILING AND RAMPS: HANDRAILS, GUARDRAILS ASSOCIATED WITH WALKING SURFACES LESS THAN 30" ABOVE ADJACENT GRADE (EXCLUDING POST BASE CONNECTIONS PER THE 'EXCEPTION' LANGUAGE IN SECTION 1705A.2.1); FILLET WELDS SHALL NOT BE GROUND FLUSH.
- ELIGIBLE EQUIPMENT CURBS: MANUFACTURED SUPPORT FRAMES AND CURBS USING HOT ROLLED OR COLD-FORMED STEEL FOR MECHANICAL, ELECTRICAL OR PLUMBING EQUIPMENT WEIGHING LESS THAN 2000# (EQUIPMENT ONLY) - DOES NOT EXEMPT SPECIAL INSPECTIONS FOR CONNECTIONS OF SUCH FRAMES TO SUPERSTRUCTURE.
- ELIGIBLE COMPONENTS SUPPORTING MEP DISTRIBUTION SYSTEMS: MANUFACTURER COMPONENTS (E.G. TOLCO, B-LINE, AFCON, ETC.) FOR MECHANICAL, ELECTRICAL OR PLUMBING HANGER SUPPORT AND BRACING - DOES NOT EXEMPT SPECIAL INSPECTIONS FOR CONNECTIONS OF SUCH ELEMENTS TO SUPERSTRUCTURE.
- ELIGIBLE MOUNTS AND RECREATIONAL EQUIPMENT: TV BRACKETS WITH A VALID LISTING (SEE DSA IR A-5) - DOES NOT EXEMPT SPECIAL INSPECTIONS CONNECTIONS OF SUCH ELEMENTS TO SUPERSTRUCTURE.

SITE STRUCTURAL DESIGN DATA

SITE WIND DEISGN DATA (CBC 1603A.1.4)
- V = 93 MPH (CBC 1609A.3 FIGURE (1))
- V_{ASD} = 78 MPH (CBC 1609A.3.1)
- RISK CATEGORY = II
- WIND EXPOSURE = C

EARTHQUAKE DESIGN DATA (CBC 1603A.1.5)
- RISK CATEGORY = II
- SEISMIC IMPORANCE FACTOR I_e = 1.00
- S_S = 1.737g
- S_1 = 0.643g
- SOIL SITE CLASS = D (DEFAULT)
- S_{DS} = 1.16
- S_{D1} = 0.73 (GEOTECHNICAL REPORT)
- PGA_M = 0.84 (GEOTECHNICAL REPORT)
- SEISMIC DESIGN CATEGORY = D

GEOTECHNICAL INFORMATION (CBC 1603A.1.6)
- GEOTECHNICAL REPORT REQUIRED AND PROVIDED PER DSA IR A-4
- SOIL LOAD-BEARING VALUE = 3,000 PSF (GEOTECHNICAL REPORT - IF NO GEOTECHNICAL REPORT THEN CBC TABLE 1806A.2)

FLOOD HAZARD MAP

DSA PR 14-01

FLOOD ZONE DESIGNATION: ZONE X (0.2% CHANCE OF FLOODING)
FIRM PANEL DESIGNATION: 06111C0931F
EFFECTIVE DATE: 01/07/2015
BASE FLOOD ELEVATION: 0.0'
APPLICABLE COMMUNITY ORDINANCE SECTION: VENTURA COUNTY, CA

GEOHAZARD REPORT

DSA IR A-4

NOT REQUIRED DUE TO WOOD FOUNDATIONS AND PREVIOUS REPORT DOCUMENTING NO LIQUEFACTION POTENTIAL. PREVIOUS REPORT PROVIDED FOR REFERENCE.
PROJECT NO. 1025.006, DECEMBER 2022 BY GEOTECHNIQUES

CA CLIMATE ZONE

PROJECT IS IN CALIFORNIA CLIMATE ZONE 6

WILDFIRE HAZARD

PROJECT IS NOT IN A WILD FIRE HAZARD ZONE OF THE WILDLAND URBAN INTERFACE.

ARCHITECT'S STATEMENT OF GENERAL CONFORMANCE

THE DRAWINGS OR SHEETS LISTED ON THE COVER SHEET OR INDEX SHEET

THIS DRAWING, PAGE OR SPECIFICATION/CALCULATIONS

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

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

I CERTIFY THAT:

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

IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND
HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE — DATE 12/2/2025

ARCHITECT IN RESPONSIBLE CHARGE: TYSON CLINE
LICENSE NUMBER: C-34436
EXPIRATION DATE: 1-31-2027

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF FABRICATION AND INSTALLATION OF ONE (1) PRE-MANUFACTURED RELOCATABLE CLASSROOM BUILDING AND ASSOCIATED SITE WORK. ROOMS ARE NOT SPRINKLERED.

STRUCTURE PC#: 04-121999
STRUCTURE DESCRIPTION.: 24'X40' PORTABLE BUILDING

RELOCATABLE BUILDING AREA: 960 SF
OCCUPANCY TYPE: E
TYPE OF CONSTRUCTION: V-B
SPRINKLERED: NO (<12,000 SF; < 300 OCC. PER CBC 903.2.3)

OCCUPANT LOAD: 44 OCC. (20 NET SF/OCC.) (CBC TABLE TABLE 1004.5)

DETAILED DESCRIPTION

INSTALLATION OF NEW RELOCATABLE RESOURCE ROOM (PC 04-121999) BUILDING WOOD FOUNDATION AND RAMPS.
- FABRICATION AND INSTALLATION BY BUILDING MANUFACTURER.
- INCLUDES BUILDING HVAC CONDENSER INSTALLATION BY BUILDING MANUFACTURER.

BY SITE CONTRACTOR:
- FIRE ALARM SYSTEM.
  - IN-BUILDING CONDUITS AND J-BOXES BY BUILDING MANUFACTURER.
- SITE ELECTRICAL UTILITIES AND BUILDING MOUNTED LIGHTING.
- GRADING AND CONCRETE PAD.
- SIGNAGE.
- FIRE EXTINGUISHERS.
- DEMOLITION OF EXISTING FENCE AND INSTALLATION OF NEW FENCE AND GATE AT HVAC UNIT.
- ASPHALT PER CIVIL PLANS.

NOT IN CONTRACT: BY DISTRICT OR OTHER:
- TURF REPAIR
- IRRIGATION MODIFICATION

PROJECT DIRECTORY

CLIENT
PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVE.
CAMARILLO, CA 93010
CONTACT: SANDRA LOVAAS
P: (805) 445-8691

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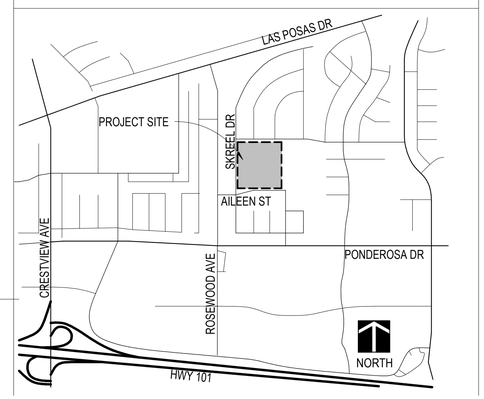
285 N VENTURA AVE, SUITE 102
VENTURA, CA 93001
CONTACT: CATHERINE YOUNG
P : (805) 626-5330

RELOCATABLE BUILDING
SILVERCREEK MODULAR
JOHN STARLIN
P : (951) 943-5393

CIVIL
FLOWERS & ASSOCIATES
115 W CANON PERDIDO ST
SANTA BARBARA CA 93101
ROBERT SCHMIDT
P : (805) 966-2224



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ELECTRICAL/FIRE ALARM — BY OTHER 13 SHEETS

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E102	OUTDOOR TITLE 24
E140	EXISTING SITE POWER PLAN
E141	ENLARGED ELECTRICAL PLAN
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A-4.01N	EXTERIOR ELEVATION 24' X 40' MONO / DUAL SLOPE
A-5.50N	ARCHITECTURAL DETAILS SOUND BARRIER
A-6.01N	INTERIOR ELEVATION 24' x 40'
M-0N	COVER SHEET
M-1N	MECHANICAL PLAN
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R-1.01N	RAMP LANDING
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A-5.05	CROSS SECTION
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R-1.01	RAMP LANDING
R-1.03	RAMP LANDING
R-1.04	STANDARD LANDING WITH STEPS
R-2.01	RAMP DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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LICENSED ARCHITECT TYSON CLINE NO. C-34436 LIC. EXP. 1-31-2027 STATE OF CALIFORNIA

PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name

GENERAL PROJECT INFORMATION

RNT Project No.	19849.22
Date	1/28/2026
Drawn by	CY
Checked by	TC

Sheet Number

T-1.0

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ABBREVIATIONS

Ø	DIAMETER
&	AND
CL OR C	CENTERLINE
#	POUND OR NUMBER
A.B.	ANCHOR BOLT
ABV.	ABOVE
ACP	ACOUSTICAL CEILING PANEL
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
ALUM.	ALUMINUM
A.G.	ANTI-GRAFFITI
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
B.O.B.	BOTTOM OF BEAM
BOT.	BOTTOM
BTWN.	BETWEEN
CAB.	CABINET
CALIF.	CALIFORNIA
C.B.	CATCH BASIN
C.F.O.I	CONTRACTOR FURNISHED OWNER INSTALLED
C.I.P.	CAST IN PLACE
CJ	CONSTRUCTION JOINT
C.J.	CONTROL JOINT
C.L.	CHAIN LINK
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
COL.	COLUMN
COMP.	COMPOSITION
CONC.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CORR.	CORRIDOR
C.O.T.	CENTER OF TRUSS
C.T.	CERAMIC TILE
DBL.	DOUBLE
D.D.	DECK DRAIN
DF	DOUGLAS FIR
D.F.	DRINKING FOUNTAIN
DFCI	DISTRICT FURNISHED CONTRACTOR INSTALL
DG	DECOMPOSED GRANITE
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DN	DOWN
DR.	DOOR
D.S.	DOWNSPOUT
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELECT.	ELECTRICAL
ELEV.	ELEVATION
ENCL.	ENCLOSURE
EQ	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
FAC.	FACTORY
F.B.	FIRE BLANKET
FD	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.F.E.	FINISH FLOOR ELEVATION
FIN.	FINISH
FLASH'G	FLASHING
FLR.	FLOOR
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
FRAM'G	FRAMING
FRP	FIBERGLASS REINFORCED PANEL
FT.	FOOT OR FEET
FTG.	FOOTING
F.V.	FIELD VERIFY
GA.	GAUGE
GALV.	GALVANIZED
G.I.	GALVANIZED IRON
GL.	GLASS
GLB.	GLU-LAM BEAM
GOV'T	GOVERNMENT
GWB	GYPSUM WALL BOARD
GYP. BD.	GYPSUM BOARD
H.D.	HOLD DOWN
HDWR.	HARDWARE
HDG	HOT DIP GALV
HDR.	HEADER
HGR.	HANGER
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HR.	HOUR
HT.	HEIGHT
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
JST.	JOIST
LAM.	LAMINATE
LAV.	LAVATORY
LT.	LIGHT
L.P.	LOW POINT
MFR.	MANUFACTURER
MATR'L	MATERIAL
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MIN.	MINIMUM
MIN	MINUTE
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
MTL.	METAL
(N)	NEW
N.I.C.	NOT IN CONTRACT
NO. OR #	NUMBER
N.T.S.	NOT TO SCALE
O/	OVER
O.C.	ON CENTER
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
O.H.	OPPOSITE HAND
OPN'G	OPENING
OPP.	OPPOSITE
PB	PULL BOX
PERF.	PERFORATED
PL.	PLATE OR PLASTIC
PLAST.	PLASTER
PLYWD.	PLYWOOD
PR.	PAIR
PROJ.	PROJECTION
P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
R OR RAD	RADIUS
R.D.	ROOF DRAIN
REC.S	RECOMMENDATIONS
REF.	REFER
REFL.	REFLECTED
REFRIG.	REFRIGERATOR
REINF.	REINFORCED OR REINFORCEMENT
REQ.	REQUIRED OR REQUIREMENTS
RET.	RETAINING
RF.	ROOF
RM.	ROOM
ROOF'G	ROOFING
S.C.	SOLID CORE
SCHED.	SCHEDULE
SHT'G	SHEATHING
SHT.	SHEET
SIM.	SIMILAR
SJ	SAWCUT JOINT
S.M.S.	SHEET METAL SCREWS
SQ.	SQUARE
S.S.	STAINLESS STEEL
ST.	STANDARD
STL.	STEEL
STN.	STAIN
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
T.A.	TOILET ACCESSORY
T&B	TOP & BOTTOM
TEL.	TELEPHONE
TEMP.	TEMPERED
TG	TOP OF GRATE
TJ	TOOLED JOINT
T.O.	TOP OF
T.O.B.	TOP OF BEAM
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PARAPET
T.O.S.	TOP OF STEEL FRAMING
T.O.SHTG	TOP OF SHEATHING
TPA	TRI-POLYMER ALLOY
TS	TUBE STEEL
T.W.	TOP OF WALL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
U.O.N.	UNLESS OTHERWISE NOTED
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
V.G.D.F.	VERTICAL GRAIN DOUGLAS FIR
V.I.F.	VERIFY IN FIELD
W/	WITH
W.C.	WATERCLOSET
WD.	WOOD
W.J.	WEAKENED-PLANE JOINT
W.O.	WHERE OCCURS
W.P.	WATERPROOF
W.P.B.	WATERPROOF BARRIER
W.P.M.	WATERPROOF MEMBRANE
W.R.	WATER RESISTANT
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC

SYMBOLS

PROPERTY LINE

78 — NEW OR FINISHED CONTOURS

71 — EXISTING CONTOURS

1:12 — SLOPING SURFACE

11 — GRID LINE

SECTION

1 / A-101 — DRAWING NUMBER / SHEET NUMBER

EXTERIOR ELEVATION

1 / A-101 — DRAWING NUMBER / SHEET NUMBER

INTERIOR ELEVATION

a — ELEVATION NUMBER

1 / A-101 — DRAWING NUMBER / SHEET NUMBER

DETAILS

1 / AD-101 — DRAWING NUMBER / SHEET NUMBER

CONCRETE

SOIL

CONCRETE MASONRY UNIT

PLYWOOD

STEEL

WOOD BLOCKING

WOOD CONTINUOUS MEMBER

WORK POINT, CONNECTION POINT, DATUM POINT OR CONTROL POINT

10000A — KEYNOTE

101A — DOOR NUMBER REFERENCE, REFER TO DOOR SCHEDULE

101A — WINDOW NUMBER REFERENCE, REFER TO WINDOW TYPES

1A — WALL TYPE REFERENCE, REFER TO AD101-AD106

a — SIGN TYPE REFERENCE, REFER TO AD701

ALIGN FINISHES

48" — TICK INDICATES DIMENSIONS TO FACE OF STUD, GRIDLINES OR FACE OF STRUCTURE

48" — DOT INDICATES DIMENSION TO CENTERLINE

3' - 6" — ARROW INDICATES DIMENSION TO F.O. FINISH OR CLEAR DIMENSION

SPOT ELEVATION

1 — REVISION DELTA (CLOUD INDICATES AREA REVISED)

ACCEPTANCE TESTING

CAC 10-103

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

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

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING 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.

DEMOLITION NOTES

1. IDENTIFY ALL DAMAGED ELEMENTS DESIGNATED TO REMAIN OR BE RELOCATED. REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH DEMOLITION WORK.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND VERIFYING DEMOLITION PLANS IN RELATION TO CONSTRUCTION DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE THE EXTENT OF DEMOLITION WORK WITH NEW WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL CONFLICTS, DISCREPANCIES OR PROBLEMS.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, GRADES, ELEVATIONS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.
4. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO THE START OF EXCAVATION. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES, SERVICE LINES REQUIRED TO REMAIN. ANY UNIDENTIFIED UTILITY OR SERVICE LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE IDENTIFIED AND BROUGHT TO THE ATTENTION OF THE ARCHITECT.
5. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK REQUIRED INCLUDING THE REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS, BROKEN CONCRETE, ETC., FROM THE SITE.
6. THE OWNER SHALL HAVE FIRST RIGHTS OF REFUSAL FOR ALL DEMOLISHED MATERIALS.
7. ALL TRADES CONCERNED SHALL COORDINATE EACH OTHER'S WORKS PRIOR TO AND DURING DEMOLITION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM DEMOLITION AT NO ADDITIONAL COST TO THE OWNER. THE GENERAL CONTRACTOR SHALL BE EXTREMELY CAREFUL TO PROTECT AND NOT TO DAMAGE ANY PORTION OF EXISTING INSTALLATION NOT BEING REMOVED. ANY EXISTING FACILITIES INDICATED TO REMAIN WHICH ARE SO DAMAGED SHALL BE REPLACED EQUAL TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.
9. WHERE PATCH AND REPAIR CONDITIONS APPLY AND MATERIALS ARE INTENDED TO BE CONTINUOUS, CONTRACTOR SHALL ENSURE FINISH IS ALIGNED SMOOTH AND CONTINUOUS AND TEXTURE AND COLOR MATCH THE ORIGINAL.ALL TRADES CONCERNED SHALL COORDINATE EACH OTHER'S WORKS PRIOR TO AND DURING DEMOLITION.
10. ALL EQUIPMENT AND MATERIAL WHICH ARE IN OPERATING CONDITION WHEN REMOVED SHALL BE MAINTAINED AS SUCH AND RETURNED TO THE OWNER OR TO BE REINSTALLED WHERE INDICATED. PROPERLY RECONNECT EQUIPMENT TO RESUME OPERATION
11. ALL EXISTING AREAS TO REMAIN OR NEW CONSTRUCTION WORK THAT ARE DAMAGED SHALL BE PATCHED AS REQUIRED TO MATCH EXISTING ADJACENT AREA IN MATERIAL, FINISH AND COLOR, UNLESS OTHERWISE NOTED.
12. CAREFULLY & THOROUGHLY SURVEY EXISTING IRRIGATION SYSTEMS AT AREAS OF TRENCHING PRIOR TO BEGINNING SUCH WORK. MEET WITH OWNER MAINTENANCE STAFF TO COORDINATE SHUT-OFF AT AREAS OF WORK. REPAIR ALL IRRIGATION DAMAGED AS A RESULT OF DEMOLITION & NEW WORK TO ORIGINAL FUNCTIONING CONDITION.
13. ALL TRENCHING OPERATIONS SHALL BE PERFORMED WITH A SPOTTER. SPOTTER SHALL CONTINUOUSLY OBSERVE EXCAVATIONS TO LOCATE IRRIGATION LINES, CONDUITS AND ANY OTHER UTILITIES OR SUBTERRANEAN EQUIPMENT. ANY ITEMS ENCOUNTERED SHALL BE EXCAVATED BY HAND. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY IRRIGATION, UTILITIES, OR OTHER ITEMS DAMAGED AS A RESULT OF EXCAVATION.
14.
15. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF THE CBC AND CFC 2019 EDITION "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION".

GENERAL NOTES

1. THE PROJECT MANUAL (SPECIFICATIONS) ISSUED AS PART OF THESE CONSTRUCTION DOCUMENTS IS AN INTEGRAL PART OF THE CONTRACT DOCUMENTS.
2. ITEMS SHOWN AS OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI) ON PLANS MAY REQUIRE SEPARATE SUBMITTALS, APPROVALS AND PERMITS. INSTALLING CONTRACTOR(S) IS RESPONSIBLE FOR OBTAINING PERMITS FOR SUCH ITEMS.
3. A HAZARDOUS MATERIALS ASSESSMENT HAS BEEN CONDUCTED AND THE REPORT IS AVAILABLE FROM THE OWNER. CONTRACTORS SHALL INCLUDE ABATEMENT IN PROEJCT SCOPE.
4. IF ADDITIONAL SUSPECTED HAZARDOUS MATERIALS ARE FOUND DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL BRING THEM TO THE ATTENTION OF THE ARCHITECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THAT ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE APPLICABLE CODES AND FEDERAL REQUIREMENTS AND REGULATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS AND REGULATIONS.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, GRADES, ELEVATIONS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.
8. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO THE START OF EXCAVATION. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES, SERVICE LINES REQUIRED TO REMAIN. ANY UNIDENTIFIED UTILITY OR SERVICE LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE IDENTIFIED AND BROUGHT TO THE ATTENTION OF THE ARCHITECT.
9. WHERE PATCH AND REPAIR CONDITIONS APPLY AND MATERIALS ARE INTENDED TO BE CONTINUOUS, CONTRACTOR SHALL ENSURE FINISH IS ALIGNED SMOOTH AND CONTINUOUS AND TEXTURE AND COLOR MATCH THE ORIGINAL.
10. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS PRIOR TO SUBMITTING A BID. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THAT ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE APPLICABLE CODES AND FEDERAL REQUIREMENTS AND REGULATIONS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS AND REGULATIONS.
13. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
14. DO NOT SCALE CONTRACT DOCUMENTS. CAD AND MODEL FILES PROVIDED TO THE CONTRACTOR FOR THEIR USE SHALL NOT BE USED TO DETERMINE DIMENSIONS NOT SHOWN IN THE CONTRACT DOCUMENTS.
15. CONTRACTOR ACKNOWLEDGES THAT DRAWINGS REPRESENT THE INTENT OF THE WORK TO BE ACCOMPLISHED AND RELEVANT DETAILS ARE PROVIDED. IF ADDITIONAL DETAILS ARE REQUIRED, THEY WILL BE AVAILABLE THROUGH THE TYPICAL CONSTRUCTION PROCESS. NOT EVERY DETAIL OF EACH CONDITION IS DRAWN. CONTRACTOR AND SUB-CONTRACTOR ARE RESPONSIBLE FOR COMPLETE WORKMANLIKE INSTALLATION OF ALL MATERIALS AND SYSTEMS.
16. IF THE CONTRACTOR IDENTIFIES DIMENSIONS THAT ARE IN CONFLICT OR REQUIRED DIMENSIONS ARE MISSING, THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) TO THE ARCHITECT. DO NOT INTERPRET OR SCALE THE DRAWINGS OR DIGITAL MODEL.
17. IF THE CONTRACTOR IDENTIFIES NOTES OR DETAILS THAT APPEAR TO BE IN CONFLICT WITH THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) TO THE ARCHITECT.
18. ANY ERRORS, OMMISSIONS OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY PRIOR TO PROCEEDING WITH THE WORK.
19. PROVIDE BACKING AS REQUIRED FOR ALL FIXTURES, SIGNS, HANDRAILS OR SIMILAR OBJECTS ATTACHED TO FRAMED WALLS, CEILINGS OR FLOORS.
20. PROVIDE A MINIMUM 2% SLOPE TO DRAIN AT HARDSCAPED AREAS AND MAINTAIN LESS THAN 2% CROSS SLOPE ALONG ANY ACCESSIBLE PATH OF TRAVEL UNLESS OTHERWISE NOTED.
21. CONTRACTOR SHALL ENSURE ALL FLOOR FINISH MATERIALS WILL BE FLUSH WITH ADJACENT WALKING SURFACES UNLESS NOTED OTHERWISE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

Roesling Nakamura Terada Architects

285 N Ventura Ave #102
Ventura, CA 93001
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LICENSED ARCHITECT
TYSON CLINE
NO. C-34434
EXP. REN. 1-31-27
STATE OF CALIFORNIA

PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING

FB-26-15

777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name

NOTES, SYMBOLS AND ABBREV.

RNT Project No.	19849.22
Date	1/28/2026
Drawn by	CY
Checked by	TC

Sheet Number

T-1.1

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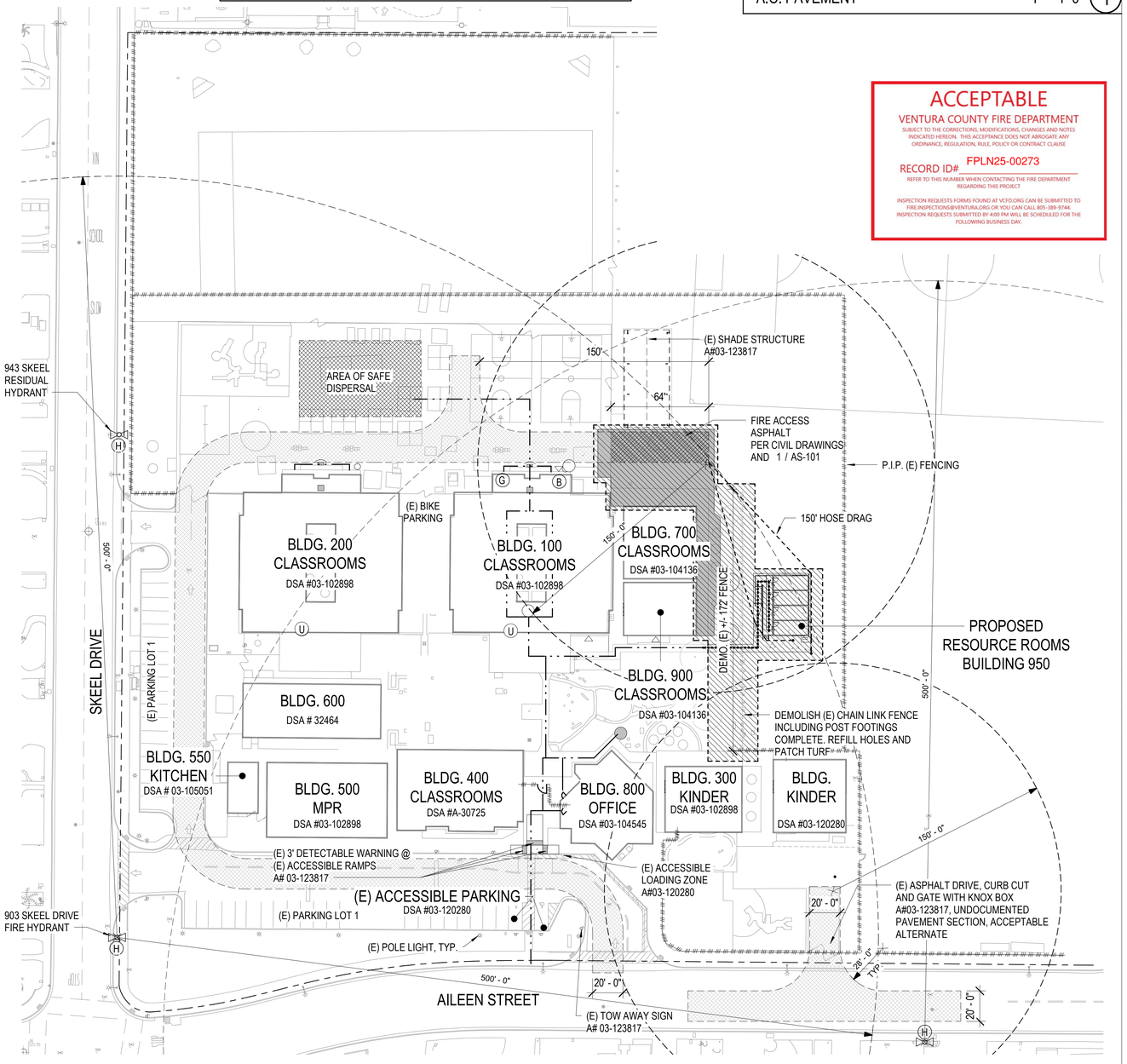
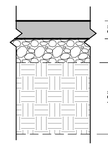
LINKED CERTIFICATION

THIS PROJECT A#03-125745; CANNOT BE CERTIFIED UNTIL THE PREVIOUS PROJECT CONTAINING REQUIRED ACCESSIBLE COMPONENTS IS CERTIFIED:

A#03-123817 (ACCESSIBLE ROUTE OF TRAVEL, ACCESSIBLE PARKING & FIRE APARATUS ACCESS)



2 OVERALL SITE PLAN
1" = 40'-0"



A.C. PAVEMENT
CALTRANS CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION.
SUB-GRADE MATERIAL SHALL BE COMPACTED 95% OF MAXIMUM DENSITY FOR 12" DEPTH.

A.C. PAVEMENT 1" = 1'-0" 1

ACCEPTABLE

VENTURA COUNTY FIRE DEPARTMENT

SUBJECT TO THE CORRECTIONS, MODIFICATIONS, CHANGES AND NOTES INDICATED HEREON. THIS ACCEPTANCE DOES NOT ABROGATE ANY ORDINANCE, REGULATION, RULE, POLICY OR CONTRACT CLAUSE

RECORD ID# FPLN25-00273

REFER TO THIS NUMBER WHEN CONTACTING THE FIRE DEPARTMENT REGARDING THIS PROJECT

INSPECTION REQUESTS FORMS FOUND AT VCFD.ORG CAN BE SUBMITTED TO FIREINSPECTIONS@VENTURA.ORG OR YOU CAN CALL 805-389-9744. INSPECTION REQUESTS SUBMITTED BY 4:00 PM WILL BE SCHEDULED FOR THE FOLLOWING BUSINESS DAY.

VENTURA COUNTY FIRE DEPARTMENT

Fire Prevention Bureau
2400 Conejo Spectrum St, Thousand Oaks, CA 91320
Office: (805) 389-9738 Fax: (805) 388-4356

FIRE PREVENTION FORM 625
FIRE-FLOW VERIFICATION

SECTION I – PROJECT INFORMATION
(To Be Completed by Applicant)

Project Name: CAPE Charter School
Project Address: 777 Aileen
APN:
City: Camarillo

SECTION II – INFORMATION ON FIRE-FLOW AVAILABILITY
(To Be Completed by Water Purveyor)

System Information:
Water Purveyor: City of Camarillo
Size & Location of Main: 8in Skeel Street
Distance to Parcel: 21 FT
Size of Reservoir Serving Test Hydrants: 3 Million Gallons

Hydrant Information:
Location of Residual Hydrant: 943 Skeel Dr — Distance to Parcel: * 6 FT
Location of Flow Hydrant: 903 Skeel Dr — Distance to Parcel: * 10 FT
Type: Wet — Size: 6 inch — # of Outlets: 1 — 4" 2 — 2 ½" 2
* Distance to parcel shall be measured along the vehicular access

Test Result Information:
Method Used to Obtain Results: Hydraulic Model ☐ Flow Test ☑
Date of Test: 4/1/2025 — Time of Test: 10:50 — ☑ AM ☐ PM
Static PSI: 106 — Residual PSI: 96 — Orifice: 2.5 — Pitot: 80
Observed GPM: 1509 gpm — Calculated GPM @ 20 psi: 4823 — Capacity Duration: 2 hrs

I have witnessed and/or reviewed this water flow information and by personal knowledge and/or on-site observation certify that the above information is correct.
Name: Andy Flores
Signature:
Date: 04/01/2025
Title: Assistant Water Superintendent
Company: City of Camarillo
Phone: (805) 383-5643

☐ Private on-site water system proposed. Separate plan submittal required.
☐ Water purveyor approves use of private water system. (Purveyor signature required above).

Fire District Record Number:

January 1, 2023 — **Fire-flow Verification** — 625-1

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:	Pleasant Valley School District
Project Name/School:	Elementary (Cape Elementary)
Project Address:	777 AILEEN ST. CAMARILLO, CA 93010

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

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.				
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.	✓			
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✓	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✓	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✓	
7a.	**Acceptable Alternate:** The locaticn 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: Chris Johnston — Title: Asst. Superintendent, Business
Signature: — Date: 1/27/26

LOCAL FIRE AUTHORITY (LFA) INFORMATION		
LFA Agency Name:	Ventura County Fire Department	
LFA Review Official:	Brandon Sube	
Title:	Fire Inspector II	Work Phone: (805) 914-7436
Work Email:	Brandon.Sube@ventura.org	

LFA Reviewer's Signature: Brandon Sube Digitally signed by Brandon Sube Date: 2026.01.26 09:08:14 -08'00' Date: 01/26/26

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

ACCESSIBLE P.O.T. NOTES

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:12 OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80", ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

ARCHITECTS STATEMENT

REFER TO DSA PR 15_01
A. THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
B. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

FIRE DEPARTMENT NOTES

A. PROVIDE A MINIMUM, UNOBSTRUCTED WIDTH OF 20 FEET CLEAR TO SKY, VEHICULAR ACCESS TO WITHIN 150 FEET OF ALL PORTIONS OF THE EXTERIOR WALLS. FIRE CODE 902.2.1
B. EXISTING FIRE DEPARTMENT ACCESS TO REMAIN.
C. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
D. THE FIRE FLOW FOR ON-SITE HYDRANT MEETS THE REQUIREMENTS FOR THIS FIRE AUTHORITY.
E. INSPECTION FOR COMPLIANCE WITH THESE CONDITIONS AND GENERAL SAFETY WILL BE REQUIRED PRIOR TO OCCUPANCY.

LEGEND

- ASSUMED PROPERTY LINE
- (E) CHAIN LINK FENCE
- (N) ACCESSIBLE PATH OF TRAVEL
- EXISTING ACCESSIBLE PATH OF TRAVEL, A# 03-120280, A# 03-104545
- 150' HOSE DRAG LENGTH.
- (E) (N) (E) FIRE TRUCK ACCESS, A# 03-120280 20'-0" WIDE MIN. - 150' MAX. LENGTH FOR TRUCK BACK-UP. 40' MIN. TURNING RADIUS + MIN. WIDTH OF 16'
- AREA OF WORK
- EXISTING BUILDINGS
- (E) EXIT DISCHARGE PATH LIGHTING
- (E) FIRE ALARM HORN. V.I.F.
- (H) (E) FIRE HYDRANT
- (B) (E) ACCESSIBLE BOYS' TOILET ROOM, A#03-102898
- (G) (E) ACCESSIBLE GIRLS' TOILET ROOM, A#03-102898
- (U) (E) ACCESSIBLE UNISEX STAFF TOILET ROOM, A#03-102898
- (E) ACCESSIBLE HI-LOW PEDESTAL DRINKING FOUNTAIN, A#03-120280
- (E) DRINKING FOUNTAIN
- FE FIRE EXTINGUISHER, BRACKET MOUNTED

LIST OF BUILDINGS

ID	BUILDING USE	A# ORG.	A# MOD.	CERTIFICATION
BLDG. 100	CLASSROOMS	30725	03-102898	# 2
BLDG. 200	CLASSROOMS	30725	03-102898	# 2
BLDG. 300	KINDER	30725	03-102898	# 2
BLDG. 400	CLASSROOMS	30725	03-104545	# 2
BLDG. 500	MPR	30725	03-102898	# 2
BLDG. 550	KITCHEN	03-105051	-	# 1
BLDG. 600	CLASSROOMS	32464	03-102898	# 2
BLDG. 700	CLASSROOMS	-	-	# -
BLDG. 800	ADMIN	03-104545	-	# 1
BLDG. 900	CLASSROOMS	03-104136	-	# 1
BLDG. SHADE	KINDERGARTEN LUNCH SHELTER	03-120280 03-123817	- -	# 1 # IN PROGRESS

ACCESSIBLE PARKING LOT CALC.

LOT 1	TYPE	EXISTING	REQUIRED	PROVIDED
	PARKING	42 SPACES	N/A	42 SPACES
	ACCESSIBLE PARKING	2 SPACES	2 SPACE	2 SPACES
	ACCESSIBLE VAN PARKING	1 SPACE	1 SPACE	1 SPACE

TOTAL # OF PARKING SPACES: 44 SPACES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

Roesling Nakamura Terada Architects
285 N Ventura Ave # 102
Ventura, CA 93001
P805.626.5330
F805.626.5330
www.RNTarchitects.com

LICENSED ARCHITECT TYSON CLINE No. C-34436 REN. 1-31-27 STATE OF CALIFORNIA

PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

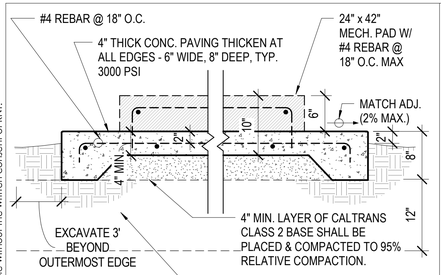
DSA SUBMITTAL
03-125745

No.	Description	Date

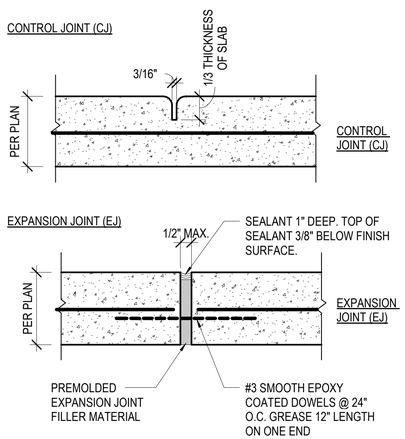
Sheet Name
FIRE ACCESS SITE PLAN

RNT Project No.	19849.22
Date	1/28/2026
Drawn by	CY
Checked by	TC

Sheet Number
AS-101



TYPICAL CONCRETE PAVEMENT 1" = 1'-0" (2)



CONCRETE JOINTS

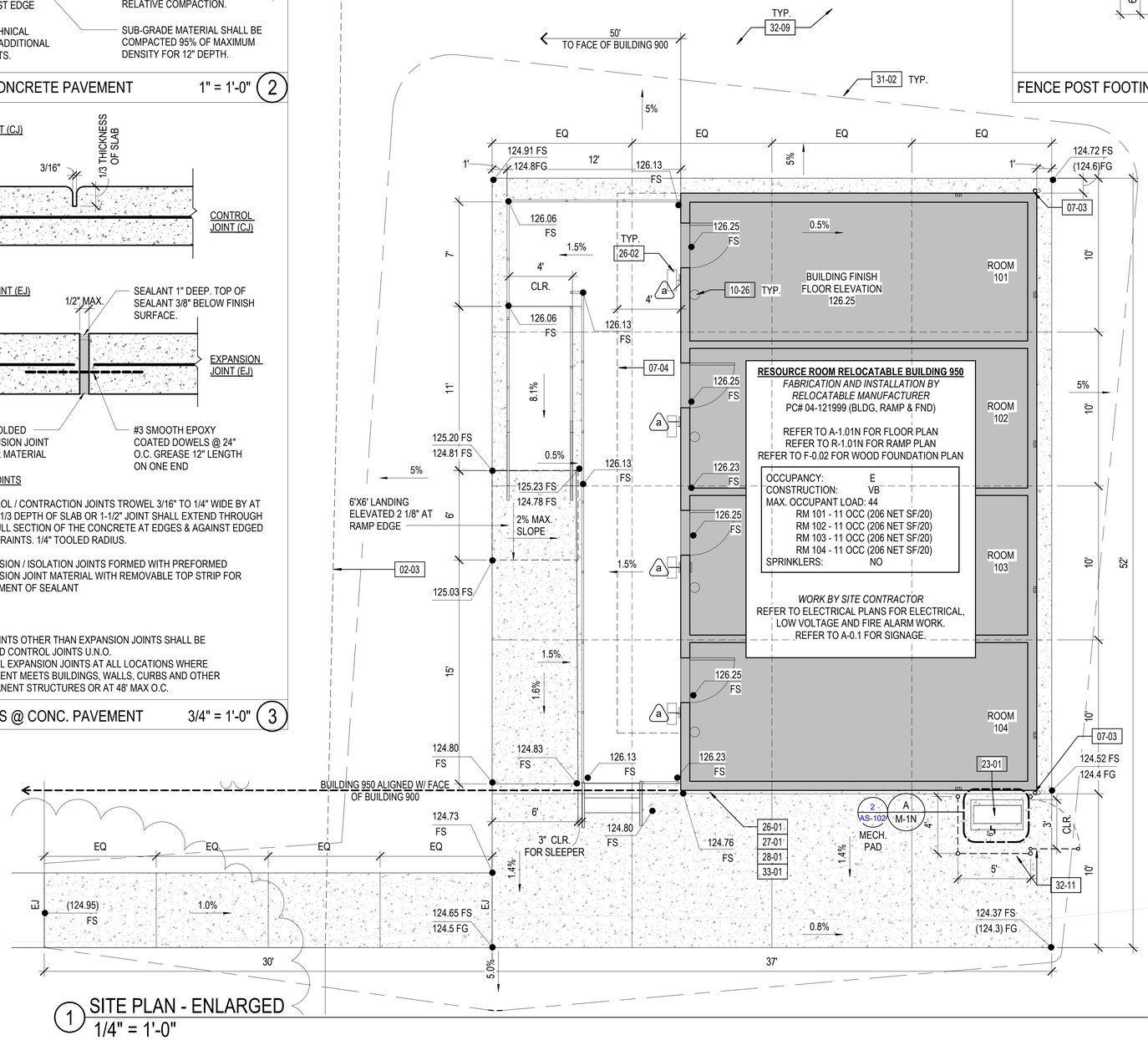
CJ CONTROL / CONTRACTION JOINTS TROWEL 3/16" TO 1/4" WIDE BY AT LEAST 1/3 DEPTH OF SLAB OR 1-1/2" JOINT SHALL EXTEND THROUGH THE FULL SECTION OF THE CONCRETE AT EDGES & AGAINST EDGED CONSTRAINTS. 1/4" TOOLED RADIUS.

EJ EXPANSION / ISOLATION JOINTS FORMED WITH PREFORMED EXPANSION JOINT MATERIAL WITH REMOVABLE TOP STRIP FOR PLACEMENT OF SEALANT

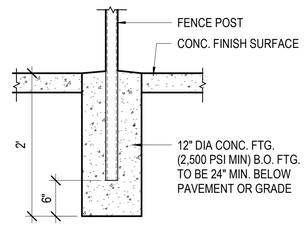
NOTES:

1. ALL JOINTS OTHER THAN EXPANSION JOINTS SHALL BE TOOLED CONTROL JOINTS U.N.O.
2. INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE PAVEMENT MEETS BUILDINGS, WALLS, CURBS AND OTHER PERMANENT STRUCTURES OR AT 48' MAX O.C.

TYP. JOINTS @ CONC. PAVEMENT 3/4" = 1'-0" (3)



1 SITE PLAN - ENLARGED
1/4" = 1'-0"



FENCE POST FOOTING 1" = 1'-0" (4)

GENERAL NOTES

1. THE CONTRACTOR SHALL LOCATE EXISTING ELECTRICAL, FIRE WATER, WATER, IRRIGATION, SEWER & STORM WATER WITHIN PROJECT BOUNDARIES AND ADVISE AS TO FEASIBILITY OF RELOCATION AND/OR REMOVAL.
2. ALL ITEMS ARE CONSIDERED NEW UNLESS NOTED AS (E) EXISTING.
3. TURF REPAIR AND IRRIGATION MODIFICATIONS BY OWNER.
4. REPAIR OF DAMAGE TO EXISTING FACILITIES TO REMAIN IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. OCCUPANT LOAD SIGNAGE NOT REQUIRED PER CBC 1004.9.
6. EXIT SIGNS NOT REQUIRED PER CBC 1013.1 EXCEPTION 1.
7. IF SHEET IS LESS THAN 24"X36" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

ACCEPTANCE TESTING

CAC 10-103

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

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

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING 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.

LEGEND

CONCRETE PAVING, REF. 2 / AS-102 & 3 / AS-102 FOR EXPANSION (EJ) AND CONTROL JOINTS (UNMARKED), EXEMPT BATCH PLANT TESTING PER CBC 1705.A.3.3.2 EXCEPTION

(a) ROOM IDENTIFICATION SIGNAGE, REF. A-0.1

KEYNOTE LIST

02-03 SITE CONTRACTOR DEMOLISH (E) CHAIN LINK FENCE AND FOOTINGS ENTIRE TO PERPENDICULAR FENCING TO REMAIN AT EACH END. REPAIR TURF. SEE OVERALL SITE PLAN FOR EXTENTS.

07-03 MODULAR MANUFACTURER PROVIDE AND INSTALL GUTTER AND DOWNSPOUT. PROVIDE SEALANT AS REQUIRED TO PROVIDE WATERTIGHT INSTALLATION. POINT DOWNSPOUT TOWARDS TURF.

07-04 OVERHANG ABOVE, BY MODULAR MANUFACTURER.

10-26 SITE CONTRACTOR PROVIDE SURFACE MOUNTED FIRE EXTINGUISHER WITH MOUNTING BRACKET MOUNTED AT 42" MAX. TO OPERABLE PARTS WITH MAX 4" PROJECTION FROM WALL FACE. BASIS OF DESIGN OVAL 10H-ABC.

23-01 OUTDOOR MULTI-ZONE CONDENSER, INSTALLATION OF CONDENSER, ELECTRICAL/COMM CONNECTION AND REFRIGERANT LINES BY MODULAR MANUFACTURER. SITE CONTRACTOR PROVIDE CONCRETE MECH PAD.

26-01 SITE CONTRACTOR TO MAKE CONNECTION TO ELECTRICAL PANEL, SEE ELEC.

26-02 SITE CONTRACTOR INSTALL WALL-MOUNTED LIGHTING, SEE ELEC.

27-01 SITE CONTRACTOR TO PROVIDE PATHWAY AND DATA CONNECTION

28-01 SITE CONTRACTOR TO PROVIDE PATHWAY AND FIRE ALARM CONNECTION, SEE ELEC.

31-02 SITE CONTRACTOR ANTICIPATED LIMITS OF GRADING, V.I.F.

32-09 GENERAL TURF AND IRRIGATION REPAIR N.I.C.

32-11 SITE CONTRACTOR TO PROVIDE 6' TALL VINYL-COATED CHAIN LINK FENCE AND GATE. MAINTENANCE ACCESS ONLY.

33-01 SITE CONTRACTOR TO TRENCH FOR UTILITIES, SEE ELEC. RESTORE FINISH SURFACE AT TRENCH.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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LICENSED ARCHITECT TYSON CLINE NO. C-34436 EXP. REN. 1-31-27 STATE OF CALIFORNIA

PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name
ENLARGED SITE PLAN

RNT Project No.	19849.22
Date	1/28/2026
Drawn by	AC
Checked by	CY

Sheet Number
AS-102

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PLEASANT VALLEY SCHOOL DISTRICT
MODULAR AC REPLACEMENT IMPROVEMENT PLANS
CAPE CHARTER SCHOOL
777 AILEEN ST. CAMARILLO, CA 93010

GRADING AND PAVING SPECIFICATIONS:

A. STANDARD SPECIFICATIONS:

1. EXCEPT AS MODIFIED OR OTHERWISE SPECIFIED ON THE DRAWINGS OR HEREIN, CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM WITH THE ***STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), 2024 EDITION***, PUBLISHED BY BUILDING NEWS, INC.

B. GEOTECHNICAL ENGINEER:

1. A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS PROJECT BY GEOTECHNIQUES DATED FEB. 2, 2026.

C. LICENSED LAND SURVEYOR:

1. A LICENSED SURVEYOR SHALL LAY OUT THE WORK, SET GRADE STAKES, CHECK FORMS AND CHECK SURFACE OF PAVEMENT BASE COURSES.

D. EARTHWORK QUANTITIES:

1. CONTRACTOR SHALL PERFORM AN INDEPENDENT EARTHWORK QUANTITY ANALYSIS ON WHICH TO BASE HIS BID. CONTRACTOR SHALL NOT BE RELIEVED OF LIABILITY UNDER THE CONTRACT FOR ANY LOSS HE MAY SUSTAIN AS A RESULT OF ANY VARIANCE BETWEEN HIS EARTHWORK ESTIMATES AND THE ACTUAL EARTHWORK QUANTITIES REQUIRED TO ACCOMPLISH GRADING AS SPECIFIED HEREIN AND AS NECESSARY FOR CONSTRUCTION OF IMPROVEMENTS TO THE FINISH GRADES OR PAVEMENT SUBGRADES CALLED FOR ON THE DRAWINGS.

E: DUST CONTROL:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION PERIOD AND FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM CONTRACTOR'S OPERATIONS.
2. EMPLOY LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT CONSTRUCTION OPERATIONS FROM PRODUCING DUST DAMAGING TO PERSONS, PROPERTY, VEGETATION AND ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTINUE DUST ABATEMENT MEASURES UNTIL AUTHORIZED BY THE OWNER'S REPRESENTATIVE TO DISCONTINUE THEM.
3. DURING TIMES OF EARTH DISTURBANCE OR MOVEMENT, MONITOR THE AMOUNT OF DUST RAISED BY THE ACTIVITY AND WATER THE AREAS BEING DISTURBED AS NEEDED TO PREVENT DUST FROM LEAVING THE PROJECT SITE.
4. ENSURE THAT TRUCKS TRANSPORTING MATERIAL FORM THE SITE ARE TARPED BEFORE LEAVING THE SITE WITH TARPS SUFFICIENTLY SECURE TO REMAIN TARPED TO THE POINT OF DISPOSAL.
5. COVER STOCKPILED SOIL MATERIALS AS REQUIRED TO PREVENT WIND-BLOWN DUST.

F: EROSION AND SEDIMENTATION CONTROL:

1. PROVIDE STORM WATER POLLUTION PREVENTION MATERIALS AND METHODS IN ACCORDANCE WITH THE CONSTRUCTION BMP ONLINE HANDBOOK, JANUARY 2015 EDITION, AVAILABLE ONLINE FROM THE CALIFORNIA STORMWATER QUALITY ASSOCIATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF EROSION AND SEDIMENT TRANSPORT DURING THE ENTIRE CONSTRUCTION PERIOD AND FOR ANY DAMAGE CAUSED BY EROSION OR SEDIMENT TRANSPORT RESULTING FROM CONTRACTOR'S OPERATIONS.

G: CLEARING AND GRUBBING:

1. PRIOR TO COMMENCING GRADING OR TRENCHING OPERATIONS, CLEAR THE EXISTING GROUND SURFACE OF AREAS TO BE GRADED OR TRENCHED OF ALL VEGETATION (EXCEPT TREES INDICATED ON THE DRAWINGS TO REMAIN), WHETHER LIVING OR DEAD, INCLUDING ROOTS AND ROOT STRUCTURES, AS WELL AS ALL TRASH AND DEBRIS, UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
2. PRIOR TO COMMENCING GRADING OR TRENCHING OPERATIONS, EXCAVATE AND REMOVE FROM AREAS TO BE GRADED OR TRENCHED ALL EXISTING UNDOCUMENTED OR NON-COMPLYING FILL AND SOIL CONTAINING DEBRIS, ORGANICS, PAVEMENT AND OTHER UNSUITABLE MATERIAL, AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
3. IF, DURING THE REMOVAL AND SCARIFICATION PROCESS, EXCESSIVE ROOT STRUCTURES ARE ENCOUNTERED, THESE AREAS SHALL BE DEEP RIPPED IN TWO DIRECTIONS TO THE DEPTH OF THE ROOT STRUCTURE AFTER WHICH THE DISTURBED SOILS AND THE ROOTS SHALL BE COMPLETELY REMOVED AND THE RESULTING CAVITIES SHALL BE SCARIFIED AND PROCESSED TO RECEIVE FILL IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.

H: GRADING:

1. GRADING WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
   - ALL EXCAVATION TO THE GRADES SHOWN ON OR INDICATED BY THE DRAWINGS AND AS SPECIFIED HEREIN.
   - ALL EARTH FILL TO THE GRADES SHOWN ON OR INDICATED BY THE DRAWINGS AND AS SPECIFIED HEREIN.
   - ALL IMPORT AND EXPORT OF EARTH MATERIAL AS REQUIRED TO ACCOMPLISH THE FINISH GRADES AND PAVEMENT SUBGRADES SHOWN ON OR INDICATED BY THE DRAWINGS AND AS SPECIFIED HEREIN.
   - ALL CONDITIONING, PLACEMENT, COMPACTION AND RECOMPACTION OF EARTHWORK.
2. ON-SITE SOILS FREE OF OVERSIZE ROCKS AND IRREDUCIBLE MATERIAL (OVER 3 INCHES IN LARGEST DIMENSION), TRASH AND DEBRIS, ORGANICS AND DELETERIOUS MATERIALS MAY BE USED AS FILL SUBJECT TO PRIOR REVIEW AND APPROVAL BY THE GEOTECHNICAL ENGINEER. IF IMPORTED SOIL IS NECESSARY, THE MATERIAL SHALL BE GRANULAR AND NON-EXPANSIVE, EQUAL OR SUPERIOR IN QUALITY TO THE ON-SITE SOILS, AS DETERMINED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTATION OF THE FILL MATERIAL TO THE SITE.
3. BEFORE PLACING ANY FILL MATERIAL, REQUEST REVIEW OF THE EXPOSED IN-PLACE SOILS BY, AND PREPARE THESE SOILS TO RECEIVE FILL AS RECOMMENDED BY, THE GEOTECHNICAL ENGINEER, INCLUDING:
   - CORRECTING ANY SOFT, OVERWET OR PUMPING AREAS, AS RECOMMENDED
   - OVEREXCAVATING OR SCARIFYING, MOISTURE CONDITIONING, AND RECOMPACTING AS RECOMMENDED AND AT LEAST THE UPPER 9 INCHES TO AT LEAST 90% OF MAXIMUM DENSITY.
4. PLACE FILL MATERIAL IN LAYERS THAT CAN BE COMPACTED WITH THE EQUIPMENT BEING USED AND AS REQUIRED BY THE GEOTECHNICAL ENGINEER BUT NOT MORE THAN 6 INCHES IN LOOSE THICKNESS. AFTER EACH LAYER HAS BEEN CONDITIONED AND PLACED, COMPACT THE MATERIAL TO THE FOLLOWING DENSITIES:
   - STRUCTURAL FILL NOT OTHERWISE SPECIFIED: MINIMUM 90% OF MAXIMUM DENSITY
   - UPPER 12" OF AREAS TO RECEIVE LANDSCAPING BUT NO OTHER SURFACE IMPROVEMENTS: 85% OF MAXIMUM DENSITY
   - BASE COURSE AND UPPER 12" OF SUBGRADE SOIL BENEATH BASE COURSE IN PAVEMENT AND WALKWAY AREAS: MINIMUM 95% OF MAXIMUM DENSITY

I: ASPHALT CONCRETE PAVING:

1. AGGREGATE BASE MATERIAL SHALL BE CRUSHED AGGREGATE BASE CONFORMING TO SECTION 200-2.4 OF THE STANDARD SPECIFICATIONS (SSPWC).
2. ASPHALT CONCRETE SHALL BE THE PRODUCT OF MIXING MINERAL AGGREGATE AND A MAXIMUM OF 15 PERCENT RECLAIMED ASPHALT PAVEMENT (RAP) WITH PAVING ASPHALT, IN CONFORMANCE WITH SECTION 203-6 OF THE STANDARD SPECIFICATIONS (SSPWC).
3. PAVING ASPHALT SHALL BE PERFORMANCE GRADE PG 64-10, IN CONFORMANCE WITH SECTION 203-1 OF THE STANDARD SPECIFICATIONS (SSPWC).
4. ASPHALT CONCRETE DESIGNATED BY CLASS AND GRADE FOR VARIOUS APPLICATIONS SHALL BE AS FOLLOWS:
   - FINISH COURSE, TRAFFIC: C2- PG 64-10-RAP
   - BASE COURSE, TRAFFIC (IF MORE THAN ONE LAYER): B-PG 64-10-RAP
   - OVERLAY, TRAFFIC: C2-PG 64-10-RAP
5. PAINT BINDER FOR TACK COAT SHALL BE SS-1H EMULSIFIED ASPHALT CONFORMING TO SECTION 203-3 OF THE STANDARD SPECIFICATIONS (SSPWC). APPLY A PAINT BINDER OF ASPHALTIC EMULSION AT THE RATE OF 0.15 GALLONS PER SQUARE YARD OF SURFACE TO EXISTING VERTICAL SURFACES AGAINST WHICH PAVING WILL BE PLACED AND BETWEEN PAVEMENT COURSES CONSTRUCTED MORE THAN 24 HOURS APART.
6. MATERIALS FOR SEALCOAT SHALL CONFORM TO SECTION 203-9 OF THE STANDARD SPECIFICATIONS (SSPWC). ***GUARDTOP*** IS ACCEPTED BY SCHOOL DISTRICT FOR USE IN SEALCOAT APPLICATIONS.
7. BEFORE ORDERING DELIVERY OF A.C. PAVEMENT, CONFIRM BY SURVEY THAT THE FINISH SURFACE OF THE BASE COURSE FOR PAVEMENTS AND FOR PAVEMENT-RELATED STRUCTURES SHALL NOT VARY MORE THAN ½ INCH (0.04 FOOT) FROM THE DESIGN ELEVATION, SLOPE AND CROSS-SECTION, ESTABLISHED WITH DUE ALLOWANCE FOR THICKNESS OF SURFACING. VARIATIONS WITHIN THE SPECIFIED TOLERANCE SHALL BE COMPENSATING SUCH THAT THE AVERAGE ELEVATION, SLOPE, AND CROSS-SECTION CONFORM TO THOSE SPECIFIED PER PLAN.

   FLATNESS: MAXIMUM VARIATION OF 1/8 INCH WHEN MEASURED WITH A 10-FOOT STRAIGHT EDGE. ASPHALT SUBSTRATE SHALL NOT VARY FROM PLANNED CROSS SLOPE BY MORE THAN ±0.2%. FINISHED ASPHALT SHALL BE SMOOTH AND PLANAR AND SHALL NOT VARY GREATER THAN ±1/8 INCH UNDER A 10 FOOT STRAIGHT EDGE IN ANY DIRECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SURVEY OF NEW ASPHALT SURFACES THAT ARE ACCEPTABLE TO DISTRICT OR DISTRICT'S REPRESENTATIVE.
8. AFTER CONSTRUCTION OF A.C. PAVEMENT AND APPURTENANT CONCRETE FEATURES BUT BEFORE SEAL COATING AND PAINTING STRIPING AND MARKINGS, CONDUCT A FLOOD TEST TO REVIEW SURFACE DRAINAGE, AS FOLLOWS:
   - SUPPLY AND DISCHARGE WATER IN SUFFICIENT QUANTITY TO COMPLETELY WET AND COVER ALL A.C. PAVEMENT AND CONCRETE GUTTER AREAS AND ALLOW TO DRAIN/DRY FOR ONE HOUR AT 70° F OR WARMER. MARK THE OUTLINE LIMITS OF RESIDUAL STANDING WATER DEEP ENOUGH TO COVER A 5 CENT PIECE, OR DEEPER.
   - REMOVE AND REPLACE A.C. PAVEMENT AND CONCRETE GUTTER IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER, AS NECESSARY TO PROVIDE POSITIVE SURFACE DRAINAGE AND TO PREVENT PONDING OF WATER ON PAVEMENT SURFACES AND IN GUTTERS. SUBSTITUTION OF ASPHALT CONCRETE SKIN PATCH IN LIEU OF REMOVAL AND REPLACEMENT OF PAVEMENT SHALL BE AT SOLE DISCRETION OF THE OWNER.
   - CONDUCT ADDITIONAL FLOOD TESTING TO CONFIRM SUCCESS OF CORRECTIVE MEASURES.
9. NOT SOONER THAN 10 DAYS AFTER COMPLETION OF PAVING, CONSTRUCT SEALCOAT AT THE RATE OF 0.45 GALLONS PER SQUARE YARD OF SURFACE ON ALL NEW AND EXISTING PAVEMENT WITHIN WORK SITE IN ACCORDANCE WITH SECTION 302-8 OF THE STANDARD SPECIFICATIONS (SSPWC). A TACK COAT CONFORMING TO SECTION 302-8.2.1 SHALL BE APPLIED TO **EXISTING** PAVEMENT SURFACES IN ADVANCE OF SEALCOAT.

K: SUBMITTALS:

PROVIDE SUBMITTALS DEMONSTRATING CONFORMANCE OF MATERIALS PROPOSED FOR USE IN THE PROJECT WITH REQUIREMENTS SPECIFIED HEREIN OR ON THE PLAN, AS FOLLOWS:

- AGGREGATE BASE
- ASPHALT CONCRETE
- CONCRETE

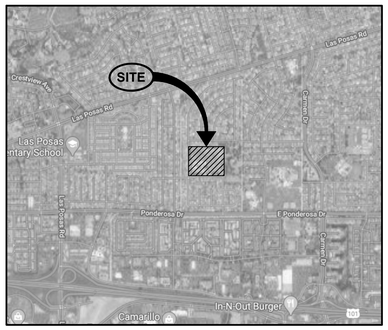
L: CONCRETE:

1. BASE MATERIAL
   - AGGREGATE BASE MATERIAL SHALL BE CRUSHED AGGREGATE BASE CONFORMING TO SECTION 200-2.2 OF THE STANDARD SPECIFICATIONS (SSPWC).
2. FORM MATERIALS
   - GENERAL: SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 1906, FORMWORK, EMBEDDED PIPES AND CONSTRUCTION JOINTS.
   - PLYWOOD FORMS: DOUGLAS FIR SPECIES; SOLID-ONE-SIDE, SOUND UNDAMAGED SHEETS. UNLESS OTHERWISE CALLED FOR ON PLANS, SURFACE OF FORM SIDE AGAINST CONCRETE SHALL PROVIDE A MEDIUM DENSITY TEXTURE.
   - LUMBER: DOUGLAS FIR SPECIES; CONSTRUCTION GRADE WITH GRADE STAMP CLEARLY VISIBLE.
   - STEEL FORMS: MINIMUM 16 GAGE THICK, STIFFENED TO SUPPORT WEIGHT OF CONCRETE WITH MINIMUM DEFLECTION.
   - FORM TIES: REMOVABLE METAL OF ADJUSTABLE LENGTH, CONE ENDS.
3. REINFORCING STEEL
   - ALL REINFORCING SHALL BE FABRICATED FROM STEEL MANUFACTURED IN THE UNITED STATES.
   - REINFORCING STEEL SHALL BE DEFORMED BILLET-STEEL FOR CONCRETE REINFORCEMENT CONFORMING TO ASTM A-615, GRADE 60 FOR BAR SIZES NO. 4 AND LARGER, GRADE 40 FOR BAR SIZE NO. 3, GRADE 60 ACCEPTABLE FOR ALL SIZES.
   - WELDED BARS SHALL CONFORM TO THE MOST RECENT ISSUE OF ASTM STANDARD A-706, GRADE 60 FOR ALL BAR SIZES.
4. CONCRETE MATERIALS
   - CEMENT: SHALL BE TYPE II, LOW ALKALI (NO HIGHER THAN 0.4%), CONFORMING TO ASTM C-150.
   - AGGREGATES (COARSE AND FINE): ALL AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C-33. AGGREGATE SHALL BE UNIFORMLY GRADED, WITH THE MAXIMUM AGGREGATE SIZE BEING ¾" TO 1", AND THE RATIO OF COARSE AGGREGATE TO FINE AGGREGATE BEING APPROXIMATELY 60% TO 40% (BY WEIGHT), RESPECTIVELY.
   - COARSE AND FINE AGGREGATE (SAND) ARE TO COME FROM A SOURCE PROVEN TO HAVE NON-REACTIVE CHARACTERISTICS. COARSE AGGREGATE WHICH IS HEAVY MEDIA PROCESSED (SATICOY, SISQUOC), SANTA MARGARITA ROCK, OR SAN GABRIEL ROCK WILL BE CONSIDERED AS MEETING THE CRITERIA OF NON-REACTIVITY. MOORPARK SAND (QUALITY, BEST, BLUE STAR) WILL BE CONSIDERED AS MEETING THE REQUIREMENTS OF NON-REACTIVITY. OTHER AGGREGATES MEETING OR EXCEEDING THE AGGREGATE REACTIVITY CHARACTERISTICS OF THE AGGREGATES LISTED ABOVE ARE ACCEPTABLE UPON SUBMITTAL OF ADEQUATE DOCUMENTATION (ASTM C-289 AND ASTM C-277 TEST RESULTS THAT ARE NOT MORE THAN 2 YEARS OLD).
   - WATER: SHALL BE CLEAN, SUITABLE FOR HUMAN CONSUMPTION, AND NOT DETRIMENTAL TO CONCRETE.
5. CURING COMPOUND
   - SHALL BE WATER-BASE LIQUID MEMBRANE-FORMING COMPOUND CONFORMING TO ASTM C309, 1100-CLEAR SERIES MANUFACTURED BY W.R. MEADOWS, INC., OR EQUIVALENT, FOR USE ON EXTERIOR FLATWORK ONLY.
   - LIQUID MEMBRANE-FORMING COMPOUND SHALL BE APPLIED AT THE RATE OF 1 GALLON PER 200 SQUARE FEET, IN 2 COATS, THE SECOND COAT APPLIED AT RIGHT ANGLES TO THE FIRST.
6. BONDING AGENT
   - SHALL BE POLYVINYL ACETATE HIBOND MANUFACTURED BY LAMBERT CORPORATION, ORLANDO, FL. LOCK BOND NO. 906 MANUFACTURED BY MACKLANBURG-DUNCAN CO., CITY OF INDUSTRY, CA, OR EQUIVALENT.
7. CONCRETE MIX
   - MIX AND DELIVER CONCRETE IN ACCORDANCE WITH *CALIFORNIA BUILDING CODE*, SECTION 1905A.
   - HAVE MIX DESIGNED AND CERTIFIED BY A REGISTERED CIVIL ENGINEER, LICENSED IN CALIFORNIA.
   - SELECT PROPORTIONS FOR CONCRETE IN ACCORDANCE WITH THE APPROVED DESIGN MIX.
   - PROVIDE CONCRETE CONFORMING TO THE FOLLOWING CRITERIA:

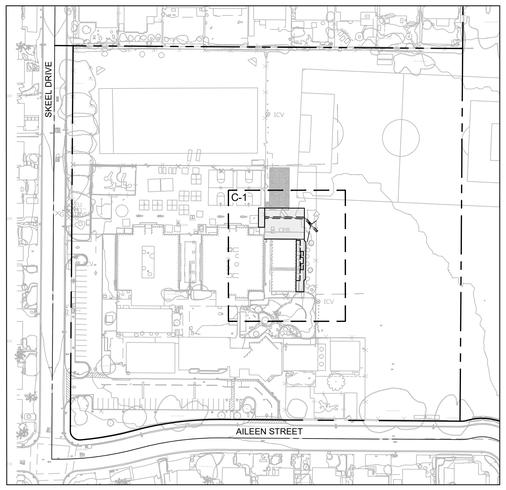
ELEMENT	STRENGTH MIN. 28-DAY	MIN. CEMENT CONTENT	MAX. AGG. SIZE	MAX SLUMP	WAT/CEM RATIO	ADMIXURES
CURBS, GUTTERS, RAMPS, WALKS & FLATWORK:	3,000 PSI	5.5 SACKS/C.Y.	3/4-INCH	4 INCHES	0.59	SEE BELOW
DRAINAGE & STAIR STRUCTURES; PAVEMENT:	4,000 PSI	6.5 SACKS/C.Y.	1-INCH	4 INCHES	0.50	SEE BELOW

   - INCLUDE THE FOLLOWING ADMIXTURES:

     -2% MAX. AIR ENTRAINMENT
     -15% FLY ASH, CLASS N OR F ONLY
     -WATER REDUCING ADMIXTURE: GRACE WRDA 64, OR EQUAL
   - THE USE OF A PEA GRAVEL MIX (ROUNDED 3/8" AGGREGATE) CONCRETE MIX IS EXPRESSLY PROHIBITED.
8. EXPANSION JOINT
   - FILLER MATERIAL SHALL BE PREFORMED BITUMINOUS TYPE CONFORMING TO ASTM STANDARD D-1751.
   - DOWEL TUBING SHALL BE PLASTIC SPEED DOWEL SUPPLIED WITH SACRIFICIAL PLATE FOR ATTACHING TO FORM, AS SUPPLIED BY AZTEC CONCRETE ACCESSORIES, OR APPROVED EQUIVALENT.
9. REMOVABLE JOINT CAP
   - HIGH IMPACT POLYSTYRENE, DEPTH EQUAL TO WIDTH OF EXPANSION JOINT FILLER, SUPPLIED IN 10-FOOT LENGTHS, AS MANUFACTURED BY CONCRETE TIE, OR EQUIVALENT.
   - WHERE POLYURETHANE SEALANT PRIMERS ARE USED, A BONDBREAKER TAPE SHALL BE APPLIED PRIOR TO CAULKING.
10. JOINT SEALANT
    - FOR CRACK-CONTROL AND EXPANSION JOINTS SHALL BE CHEMICAL-CURE, TWO-COMPONENT, POLYURETHANE-BASE, NON-SAG ELASTOMERIC SIKAFLEX-2CNS MANUFACTURED BY SIKA CORPORATION, LYNDHURST, NJ, OR APPROVED EQUIVALENT. COLOR: LIMESTONE GREY.
11. EPOXY, FLATWORK DOWELS
    - EPOXY USED FOR GROUTING REBAR DOWELS TO MAINTAIN JOINT INTEGRITY BETWEEN SITE FLATWORK COMPONENTS (CURBS, GUTTERS, WALKWAYS, RAMPS) SHALL BE SIMPSON SET-XP ADHESIVE, ICC NO. ESR-2508, OR EQUIVALENT. PULL TESTS ARE NOT REQUIRED.



VICINITY MAP
NOT TO SCALE



KEY MAP
SCALE: 1" = 100'

IMPORTANT NOTICE

ALL UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING.

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

BENCHMARK:

ELEVATIONS ARE NAVD88 BASED ON BENCHMARK VCPID 406, DESIGNATION 25-394, RM 2 DISC 57.3' SOUTH AND 41.5' WEST FROM CENTERLINE INTERSECTION PONDEROSA DR. & ARNEILL RD. ON HEADWALL.

HORIZONTAL DATUM IS NAD83 (SPC 405).

ELEVATION = 154.33'

CAUTION! CONFIRM BENCHMARK DATA AND CONDITION WITH PROJECT SURVEYOR (RIGHT ANGLE LAND SURVEY) PRIOR TO USE.

TOPOGRAPHY:

EXISTING TOPOGRAPHY COMPILED BY FIELD SURVEY(S) BY RIGHT ANGLE LAND SURVEY DATED 2/18/2020.

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 COUNTY SURVEYOR PURSUANT TO BUSINESS AND PROFESSIONAL CODE SECTION 8771.

LIST OF SYMBOLS:

AC	ASPHALTIC CONCRETE	FH	FIRE HYDRANT	SD	STORM DRAIN
ACP	ASBESTOS CEMENT PIPE	℄ OR FL	FLOWLINE	SL	STREET LIGHT
AB	AGGREGATE BASE	FLG	FLANGE	ST STL	STAINLESS STEEL
BC	BEGIN CURVE	FS	FINISH SURFACE	STA	STATION
BCR	BEGIN CURB RETURN	G	GAS	STD DTL	STANDARD DETAIL
BD	BASEMENT DRAIN	GB	GRADE BREAK	T	TELEPHONE
BFV	BUTTERFLY VALVE	GM	GAS METER	T BLK	THRUST BLOCK
BM	BENCHMARK	GSP	GALVANIZED STEEL PIPE	TB	TOP OF BERM
BV	BALL VALVE	GSV	GAS VALVE	TC	TOP OF CURB
BVC	BEGIN VERTICAL CURVE	GV	GATE VALVE	TCN	TOP OF CONCRETE
BW	BACK OF WALK	HB	HOSE BIB	TD	TOP OF DIKE
CIP	CAST IRON PIPE	HP	HIGH POINT	TF	TOP OF FOOTING
CJ	CRACK CONTROL JOINT	INV	INVERT	TG	TOP OF GRATE
CL	CLASS	L	CURVE LENGTH	TI	TRAFFIC INDEX
℄ OR C/L	CENTERLINE	LF	LINEAL FEET	TL	TRAFFIC LIGHT
CMP	CORRUGATED METAL PIPE	MH	MANHOLE	TP	TOP OF PAVEMENT
CLR	CLEAR	MJ	MECHANICAL JOINT	TYP	TYPICAL
CMU	CONCRETE MASONRY UNIT	NIC	NOT INCLUDED IN CONTRACT	TW	TOP OF WALL
CO	CLEANOUT	OC	ON CENTER	VCP	VITRIFIED CLAY PIPE
CTV	CABLE TELEVISION	OCEW	ON CENTER EACH WAY	VPI	VERTICAL POINT OF
DIP	DUCTILE IRON PIPE	PCC	POINT OF COMPOUND CURVATURE	INTERSECTION (OF VERTICAL CURVE TANGENTS)	
D	DRAIN	PI	POINT OF INTERSECTION (OF CURVE TANGENTS)	W	WATER
E	ELECTRICAL	℄ OR P/L	PROPERTY LINE	W/	WITH
DI	DROP INLET	PRC	POINT OF REVERSE CURVATURE	WD	WALL DRAIN
EC	END CURVE	PVC	POLY-VINYL CHLORIDE	WM	WATER METER
ECR	END CURB RETURN	PV	PLUG VALVE	WV	WATER VALVE
EG	EXISTING GRADE	R	RADIUS	△	DELTA (CURVE CENTRAL ANGLE)
EJ	EXPANSION JOINT	RCP	REINFORCED CONCRETE PIPE	±	APPROXIMATELY
EL	ELEVATION	RD	ROOF DRAIN	%	PERCENT
EP	EDGE OF PAVEMENT	RG	RETAINING GLAND	<	LESS THAN
EVC	END VERTICAL CURVE	RSJ	ROUGH SURFACE JOINT	>	GREATER THAN
EW	EACH WAY	R/W	RIGHT-OF-WAY		
EX	EXISTING	S	SEWER		
FD	FLOOR DRAIN				
FF	FINISH FLOOR				
FG	FINISH GRADE				

LEGEND:

DESCRIPTION	EXISTING	PROPOSED
CENTERLINE		
EDGE OF A.C. PAVEMENT		
ELEVATION	100.00 OR (100.00)	100.00
CONCRETE PAVEMENT		
A.C. PAVEMENT		
PROPERTY LINE		
RIGHT-OF-WAY LINE		
EASEMENT LINE		
CONTOURS (MAJOR)	10	10
CONTOURS (MINOR)	12	12
BENCH MARK		
TREE CANOPY		
APPROX. SAW CUT LINE		
LIMIT OF GRADING LINE		
GRADE BREAK LINE		GB
FLOW LINE		
FENCE		
WATER	W	W
STORM DRAIN	SD	SD

SHEET INDEX

SHEET NO.	GENERAL DESCRIPTION
1	G-1 TITLE SHEET
2	C-1 SITE IMPROVEMENT PLAN

NO.	DESCRIPTION	DATE	APPROVED
	REVISIONS		

REGISTERED PROFESSIONAL ENGINEER ROBERT A. SCHMITZ No. 71335 CIVIL STATE OF CALIFORNIA

FLOWERS & ASSOCIATES, INC.
115 W. Canon Perdido Street
Santa Barbara, CA 93101
Telephone (805) 966-2224

DATE: 3/2/2026
BY:

F&A CIVIL ENGINEERING • PLANNING • CONSTRUCTION MANAGEMENT

FB-26-15

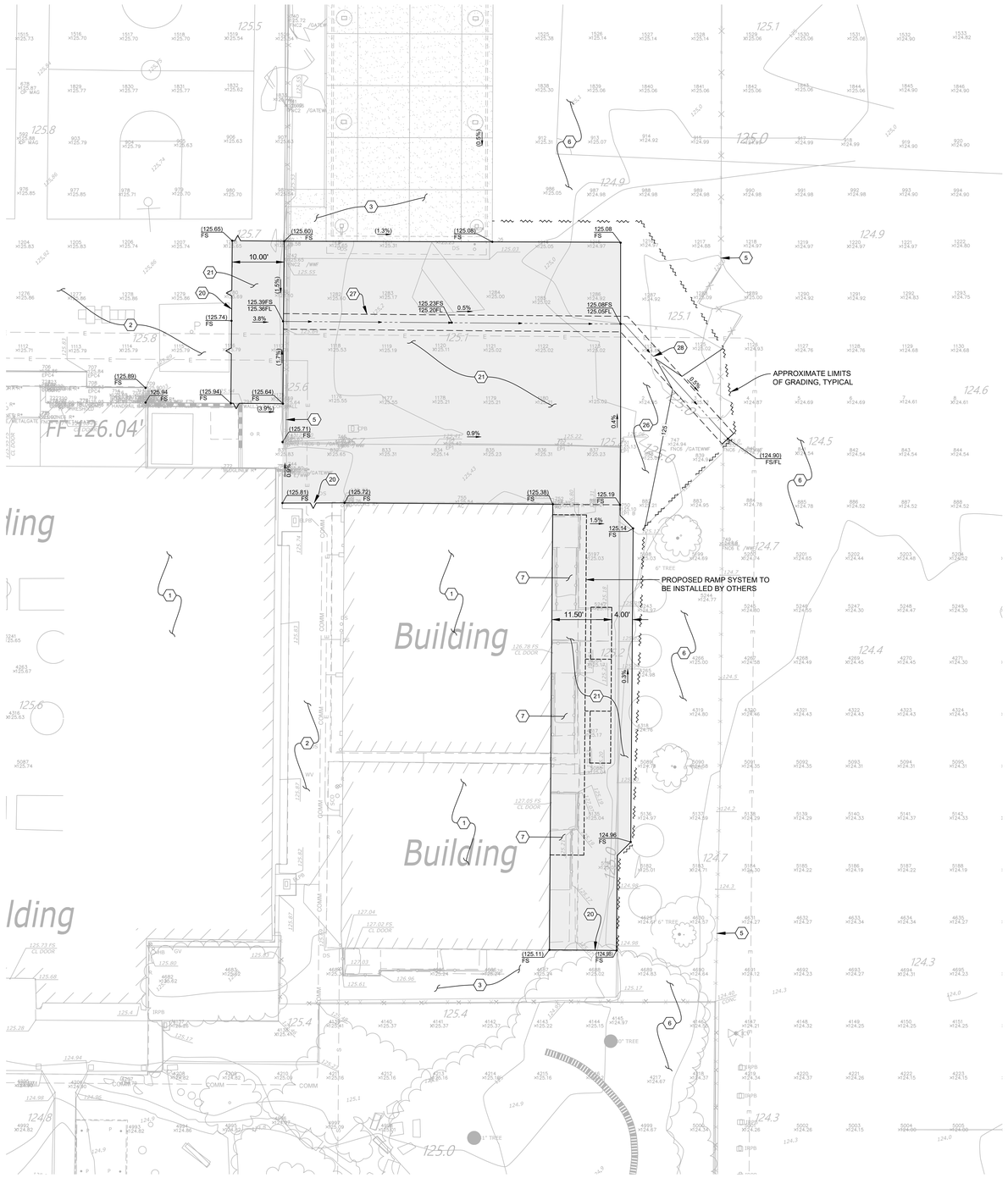
TITLE SHEET
MODULAR AC REPLACEMENT PLANS
CAPE CHARTER SCHOOL
777 AILEEN STREET
CITY OF CAMARILLO, CALIFORNIA

G-1

DATE: 03/16/2026

SHT. 1 OF 2

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.


FF 126.04'
Building
Building
lding
lding
10.00'
11.50'
4.00'
PROPOSED RAMP SYSTEM TO BE INSTALLED BY OTHERS
APPROXIMATE LIMITS OF GRADING, TYPICAL
(125.65) FS
(125.60) FS
(1.3%)
(125.08) FS
125.08 FS
125.39FS 125.36FL
(1.5%)
3.8%
(125.74) FS
125.23FS 125.20FL
0.5%
125.08FS 125.05FL
(1.2%)
(125.89) FS
125.94 FS
(125.94) FS
(125.64) FS
(3.9%)
(125.71) FS
0.9%
0.4%
(124.90) FS/FL
(125.81) FS
(125.72) FS
(125.38) FS
125.19 FS
1.5%
125.14 FS
0.5%
124.96 FS
(125.11) FS
(124.95) FS
0.5%
0.5%
0.5%
0.5%
1" TREE
6" TREE
6" TREE
6

GENERAL NOTES

A. GENERAL

1. SCOPE
THE DRAWINGS AND THESE GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS SPECIFICALLY NOTED OTHERWISE. THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT. ALL ITEMS NOTED ON THE PLAN WHICH ARE NOT EXPLICITLY STATED AS EXISTING SHALL BE NEW.

2. PERMITS AND CHARGES
OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.

3. REGULATIONS AND CODES
PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE 2022 C.E.C., CALIFORNIA ADMINISTRATIVE CODE TITLE 8, AND OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS RECOMMENDATIONS.

4. VERIFYING EXISTING CONDITIONS
BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

5. COORDINATION
COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTION REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT. ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE VERIFIED. SCALING OFF OF DRAWINGS SHALL BE DONE AT CONTRACTORS RISK. DO NOT SCALE DEVICES, LIGHTING FIXTURES OR ANY EQUIPMENT FROM PLANS. LIGHTING FIXTURE QUANTITIES AND LENGTHS SHALL BE CONTRACTORS RESPONSIBILITY. FIXTURES ARE SHOWN FOR CIRCUITING ONLY. CONTRACTOR TO VERIFY SIZES & QUANTITIES PRIOR TO BID.

6. SERVICE CONTINUITY
UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND THE TOTAL OVERTIME MAN-HOURS REQUIRED FOR COMPLETION.

7. AS BUILT
PROVIDE RECORD DRAWINGS IN ACAD TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONIES.

8. GUARANTEE
CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.

9. SHOP DRAWINGS
SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR FOR CONFORMANCE PRIOR TO SUBMITTAL. SUBMIT THREE HARD COPY SETS OF SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING ALL BREAKER MOUNTING HARDWARE, DISCONNECT SWITCHES, FUSES, CONTROLLERS, LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTACLES, ETC.

10. CONTRACTOR BID
CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHANGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, THE OWNER, ENGINEER OF RECORD OR THE WORK OF OTHER CONTRACTORS.

B. MATERIAL AND INSTALLATION
ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

ALL INSTALLED MATERIALS AND EQUIPMENT SHALL BE LISTED U.L., NRTL OR LISTED AND APPROVED BY AN APPROVED TESTING LABORATORY.

1. CONDUITS
CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH UL-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE & SPEAKER CONDUITS. PROVIDE 3/16" NYLON PULL STRING IN ALL EMPTY CONDUITS. NO MC, BX OR ACNG SHALL BE PERMITTED. FLEXIBLE STEEL CONDUIT RUNS SHALL BE LIMITED TO A MAXIMUM LENGTH OF 6 FOOT. ALL CONNECTIONS SHALL BE COMPRESSION & NOT SCREW TYPE.

2. SWITCHES AND RECEPTACLES
PROVIDE 20AMP NEMA RATED SWITCHES AND RECEPTACLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT AND RECEPTACLES SHALL BE NEMA 5-20R. IN ALL OFFICES AND OFFICE AREAS DEVICES SHALL BE NOVA SERIES TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE.

3. FEEDERS AND BRANCH CIRCUITS IDENTIFICATION
IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END, AND IN PULL BOXES WITH E-Z CODE OR OTHER APPROVED WIRE MARKER. IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS. IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET UNIQUELY WITH PERMANENT LABELING.

4. CONDUCTORS
DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. (MUST BE MANUFACTURED WITHIN 6 MONTHS) PROVIDE COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH 90°C THHN/THWN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED. CONDUCTOR SIZE NO.1 AWG AND SMALLER WITH 90 DEGREE C INSULATION ARE TO USE THE 60 DEGREE COLUMN OF THE CODE, TABLE 310-16, TO DETERMINE AMPACITY. CONDUCTORS #1/0 AWG AND LARGER WITH 75 DEGREE AND 90 DEGREE INSULATION ARE TO USE THE 75 DEGREE COLUMN OF CODE, TABLE 310-16, TO DETERMINE AMPACITY. (110.14C) WHERE THE NUMBER OF CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED PER TABLE 310.15(B)(3)(a).

5. LIGHTING FIXTURES
PROVIDE LIGHTING FIXTURES WITH ELECTRONIC DRIVERS PER SCHEDULE. NO SUBSTITUTIONS OF FIXTURES SHALL BE PROVIDED WITHOUT THE APPROVAL OF THE ENGINEER -OF-RECORD.

6. PANELBOARDS (BID SQUARE D)
DISTRIBUTION AND LIGHTING PANELBOARDS WITHIN PROJECT AREA SHALL BE OF THE COPPER BUS THREE PHASE, FOUR WIRE DISTRIBUTED PHASING TYPE. CIRCUITING SHALL BE ARRANGED TO PROVIDE, AS NEARLY AS POSSIBLE, AN EVENLY BALANCED LOAD ON ALL PHASES. PANELBOARDS SHALL BE BOLT-ON CIRCUIT BREAKER TYPE. AVAILABLE FAULT CURRENT IS STATED ON PANELBOARD SCHEDULE. PROVIDE PANEL IDENTIFICATION NAMEPLATE (ENGRAVED ON-ADHESIVE 1/2" MINIMUM LETTERS) AND TYPEWRITTEN LIST OF CIRCUITS IN THE DIRECTORY FRAME. PROVIDE HINGED PANEL COVERS.

7. STRUCTURAL SUPPORT
EACH SECTION OF FLOOR MOUNTED SWITCHBOARD, DISTRIBUTION BOARD, MCC, ETC. SHALL BE BOLTED TO THE CONCRETE HOUSEKEEPING PAD USING (6) 3/4"-10 GRADE 2 BOLTS AND CONICAL WASHERS TORQUED TO 70LB-FT. PROVIDE MINIMUM 4000 PSI STRENGTH CONCRETE BELOW ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. TIE THE TOP OF ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE IN A SEISMICALLY APPROVED MANNER.

8. ELECTRICAL CERTIFICATION
"ELECTRICIANS" PERFORMING WORK ON THIS PROJECT SHALL BE CURRENTLY CERTIFIED IN ACCORDANCE WITH THE STATE OF CALIFORNIA AB931 AND THE DIVISION OF APPRENTISHIP STANDARDS SECTION 3099.

C. DEMOLITION
1. NOTIFY THE OWNER IMMEDIATELY IWHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, AND WHICH IS NOT INDICATED ON THE PLANS.

2. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.

3. ALL DEVICES, CIRCUITS CONDUCTORS, FEEDERS ETC., WHEN NOTED TO BE REMOVED, SHALL BE REMOVED TO THE LAST ACTIVE DEVICE. ALL OVER-CURRENT PROTECTION AND DISCONNECT DEVICES NO LONGER UTILIZED BUT REMAINING AS LAST ACTIVE DEVICE SHALL BE LABELED AS 'SPARE'. COORDINATE ALL OUTAGES WITH OWNERS REPRESENTATIVE.

4. DISCONNECT AND MAKE SAFE ALL ELECTRICAL SYSTEMS ON SITE AND IN WALL, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.

5. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

6. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY AND RE-LABEL DEVICES AS SPARES.

7. REMOVE ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOOR, AND PATCH SURFACES.

8. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVE. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.

9. DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANGERS, AND OTHER

10. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK

11. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

12. BEGINNING OF DEMOLITION MEANS CONTRACTOR ACCEPTS EXISTING CONDITIONS.

D. EXECUTION
1. CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.

2. EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.

3. DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.

3. ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.

4. EXISTING CONDITION SHOWN IS FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEY AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITION AT SITE.

5. ALL WORK SHOWN IS NEW UNLESS SPECIALLY INDICATED AS EXISTING (X). ALL ELECTRICAL EQUIPMENT MOUNTING AND ANCHORAGE MUST CONFORM WITH LOCAL AND STATE SEISMIC CODES.

E. TELEPHONE SYSTEMS
PROVIDE RACEWAYS, AND ALL MATERIAL INCLUDING PULLING CABLE IN EACH RACEWAY AS REQUIRED FOR THE TELEPHONE SYSTEM PER THE TELEPHONE REQUIREMENTS. ALL CAT 6E CABLES SHALL BE TESTED & MEET CURRENT BICSI STANDARDS, A TEST REPORT SIGNED BY A RCCD SHALL BE PROVIDED WITH THE DOCUMENTATION.

F. GROUNDING & BONDING
FURNISH AND INSTALL COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODES. CONTINUITY OF GROUNDING SHALL BE MAINTAINED MECHANICALLY AND ELECTRICALLY THROUGHOUT THE SYSTEM. A GREEN GROUNDING CODE SIZED CONDUCTOR SHALL BE CARRIED IN ALL CONDUITS.

G. INSTALLATION
1. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. TOWARD THIS END FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS, MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NORMALLY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE. REFER ALSO TO WRITTEN SPECIFICATIONS FOR GENERAL, MECHANICAL AND ELECTRICAL SECTIONS.

2. PROCURE ALL PERMITS FROM LEGALLY CONSTITUTED AUTHORITIES, ARRANGE FOR ALL INSPECTIONS AND PAY ALL COSTS FOR FEES AND TESTS IN CONNECTION THEREWITH. COMPLY WITH CODES: NOTHING IN THESE PLANS AUTHORIZES DEVIATION FROM APPLICABLE CODES.

3. DETERMINE EXACT ROUTING OF CONCEALED FEEDERS AND BRANCH HOMERUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS.

4. PROVIDE A CODE APPROVED DISCONNECT SWITCH OR BREAKER WITHIN SIGHT OF EVERY MOTOR AND FEED MOTORS NOT EQUIPPED WITH "BUILT IN" PROTECTION THROUGH A MAGNETIC OR MANUAL STARTER WITH OVERLOAD HEATERS SIZED TO COMPLY WITH MOTOR MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES.

5. FOR CONNECTIONS TO EXHAUST FANS, PUMPS, COMPRESSORS, SPACE HEATERS, WATER HEATERS, AQUASTATS, SOLENOID VALVES AND OTHER MECHANICAL EQUIPMENT AND FOR CONDUITS AND WIRE REQUIRED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS REFER TO MECHANICAL PLANS AND DETERMINE EXACT LOCATIONS UNDER DIRECTION OF HEATING AND VENTILATING CONTRACTOR.

6. DO NOT RUN ANY CONDUIT IN SLAB IF ITS OUTSIDE DIAMETER EXCEEDS 1/3 THE THICKNESS OF THE SLAB. LOCATE CONDUITS WITHIN THE MIDDLE OF THE SLAB. WHERE CONDUITS ARE GROUPED IN PARALLEL RUNS, SPACE THEM 3" OR MORE APART. WHERE CONDUITS CROSS EACH OTHER, THICKEN SLAB PROPORTIONATELY OVER A HORIZONTAL AREA EQUAL TO TEN TIMES THE DIAMETER OF THE LARGEST CONDUIT. REFER ALSO TO DETAILS SHOWN..

7. SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER AND GAUGE OF CONDUCTORS THEREIN, EXCEPT WHERE NOTED TO BE LARGER. MINIMUM BOX SIZE SHALL BE 4" SQUARE BY 1-1/2" DEEP.

8. ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH, OR AT RIGHT ANGLES TO, COLUMN LINES OR BEAMS AND SEPARATED BY AT LEAST THREE (3) INCHES FROM WATER LINES WHENEVER THEY RUN LONG SIDE OR ACROSS SUCH LINES. CONDUIT SHALL NOT BE RUN BELOW CABLE TRAYS OR LIGHT FIXTURES WITHOUT SPECIFIC APPROVAL OF THE OWNERS REPRESENTATIVE. HANGERS SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. HANGERS AND SUPPORT SYSTEMS ARE AN INTEGRAL PART OF THE VISUAL ENVIRONMENT. ALL HANGERS AND SUPPORTS EXPOSED TO PUBLIC VIEW MUST BE SHOWN IN DETAIL ON PLANS SUBMITTED TO ENGINEER FOR APPROVAL OF APPEARANCE. ALL HANGERS MUST BE UNIFORMLY SPACED AND NEATLY INSTALLED WITH NO EXCESS MATERIAL BEYOND WHAT IS REQUIRED FOR THE SUPPORT FUNCTION. CONTRACTOR SHALL SELECT ACCESSORIES AND HARDWARE WITH A SMOOTH, NEAT FINISHED APPEARANCE AND PAINT ALL EXPOSED CONDUIT HANGERS TO MATCH THE ADJACENT FINISHES.

9. ALL RECEPTACLES SHALL BE MOUNTED AT 18" PER ADA REQUIREMENTS UNLESS NOTED OTHERWISE, MEASURED FROM BOTTOM OF BOX.

10. ALL DISTRIBUTION BOARDS, SWITCHBOARDS AND TRANSFORMERS THAT ARE FLOOR MOUNTED SHALL BE MOUNTED ON 2" THICK HOUSEKEEPING PAD. TRANSFORMER SHALL BE ON VIBRATION ISOLATION PADS AND CONNECTED WITH FLEXIBLE CONDUIT.

11. CONTRACTOR SHALL EXAMINE PLANS AND VERIFY IN FIELD LOCATIONS OF ALL FIRE RATED WALLS, CEILINGS AND FLOORS. CONTRACTOR SHALL SEAL ALL ELECTRICAL SYSTEM PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS AND FLOORS WITH U.L. LISTED MATERIAL APPROVED BY THE AUTHORITY HAVING JURISDICTION.

12. ALL SWITCHES SHALL BE MOUNTED 36" TO 48" MEASURED FROM BOTTOM & TOP OF BOX RESPECTIVELY.

13. PANEL CIRCUIT DIRECTORY SHALL COMPLY WITH CEC 408.4.

14. PROVIDE 90% COMPACTION OR SAND SLURRY OVER ALL UNDERGROUND CONDUITS, USE ONLY CLEAN FILL.

H. ADDITIONAL NOTES
1. MARKING - UNDERGROUND SYSTEM SHALL BE LEGIBLY MARKED "UNDERGROUND SYSTEM" AT THE SOURCE OR FIRST DISCONNECTING MEANS OF THE SYSTEM. THE MARKING SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. (250.21)(C)

2. PROVIDE SWITCH AND RECEPTACLE HEIGHTS PER STATE OF CALIFORNIA ACCESSIBLE REQUIREMENTS.

3. THE ISSUANCE OF A PERMIT SHALL NOT PREVENT THE BUILDING OFFICIAL FROM REQUIRING THE CORRECTION OF ERRORS ON THESE PLANS OR FROM PREVENTING ANY VIOLATION OF THE CODES ADOPTED BY THE CITY, RELEVANT LAWS, ORDINANCES, RULES AND/OR REGULATIONS.

4. FOR FIRE RATED WALL/CEILING PENETRATION AND/OR MEMBRANE PENETRATION, COMPLETE NRTL CLASSIFICATION SHEETS SHALL BE PROVIDED TO THE INSPECTOR AT THE TIME OF INSPECTION FOR THE LISTED RATED ASSEMBLY.

5. EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE PANELBOARD WHERE THE BRANCH CIRCUIT ORIGINATES. (210.4)

6. MULTIWIRE BRANCH CIRCUITS SUPPLYING POWER TO THE PARTITION SHALL BE PROVIDED WITH A MEAN TO DISCONNECT SIMULTANEOUSLY ALL UNGROUNDED CONDUCTORS AT THE PANELBOARD WHERE THE BRANCH CIRCUIT ORIGINATES. (605.7)

7. PROVIDE SEPARATE SUBMITTAL; OBTAIN ALL REQUIRED PERMITS, INSPECTIONS AND APPROVALS FOR ALL FIRE ALARM SYSTEM INSTALLATIONS AND/OR MODIFICATIONS FROM THE FIRE DEPARTMENT.

8. ALL NEW OVERCURRENT DEVICES INSTALLED IN EXISTING PANELS/SWITCHBOARDS SHALL MATCH THE MAKE, MODEL AND INTERRUPTING CAPACITY OF THE EXISTING OVERCURRENT DEVICES.

9. RACEWAY SEALS. CONDUITS OR RACEWAYS THROUGH WHICH MOISTURE MAY CONTACT LIVE PARTS SHALL BE SEALED OR PLUGGED AT EITHER OR BOTH ENDS.

10. PROVIDE LOCAL DISCONNECTS FOR ALL HARDWIRED EQUIPMENT THAT IS NOT "WITHIN SIGHT" OF THE SOURCE PANEL.

11. MULTIPLE RACEWAYS CONTAINING MORE THAN 3 CURRENT CARRYING CONDUCTORS SHALL COMPLY WITH (2016 CEC, 310.15(B)(2)(A)).

12. THE IDENTIFICATION OF EVERY CIRCUIT OF A PANEL BOARD AND SWITCHBOARD SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE AND SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. 2016 C.E.C 408.4 - PROVIDE MORE DETAIL ON PANEL SCHEDULE CIRCUIT DESCRIPTIONS.

13. A SINGLE RECEPTACLE INSTALLED ON AN INDIVIDUAL BRANCH CIRCUIT SHALL HAVE AN AMPERE RATING OF NOT LESS THAN THAT OF THE BRANCH CIRCUIT. INDICATE THE RECEPTACLE RATING. (210.21(B)(1))

14. PROVIDE RECEPTACLE OUTLETS WHEREVER CORD CONNECTED EQUIPMENT WILL BE USED. (210.50(B))

15. WHERE THE DISCONNECTS ARE NOT PROVIDED WITHIN SIGHT FROM THE EQUIPMENT IT SUPPLIES, THE SWITCH OR CIRCUIT BREAKER MUST INCLUDE PROVISIONS FOR ADDING A LOCK, AND THESE PROVISIONS MUST REMAIN WITH THE EQUIPMENT. THESE LOCKING PROVISIONS HAVE TO BE PART OF THE EQUIPMENT, EITHER INHERENT TO THE EQUIPMENT DESIGN OR AS A ACCESSORY FEATURE THAT CAN BE INSTALLED ON THE EQUIPMENT. [410.141(B), 422.31(B), 424.19, 440.14 EXCEPTION NO. 1, 600.6(A)(2)(3), 620.51(A) EXCEPTION NO. 1, 620.53, 620.55]

16. STANDARD NON-LOCKING STRAIGHT-BLADE RECEPTACLES IN 120- AND 250-VOLT CONFIGURATION AT WET/DAMP LOCATION ARE REQUIRED TO BE LISTED WEATHER-RESISTANT TYPE. [CEC 406.8(A)].

1. FIRE ALARM SYSTEM
1. CONTRACTOR SHALL PROVIDE AND INSTALL A FIRE ALARM SYSTEM FOR THE PROJECT AREA TO INCLUDE:

A) SMOKE DETECTORS IN ALL REQUIRED AREAS
B) HEAT DETECTORS IN ALL REQUIRED AREAS
C) STROBES/SPEAKERS IN ALL REQUIRED AREAS

2. CONTRACTOR SHALL SUBMIT FOR THE OWNERS SIGNED APPROVAL, APPROVED FIRE DEPARTMENT FIRE ALARM DRAWINGS FOR THE PROJECT SPACE.

3. CONTRACTOR SHALL BE BUILDING STANDARD.

4. ALL DEVICES AND EQUIPMENT SHALL BE CALIFORNIA STATE FIRE MARSHALL APPROVED AND CURRENTLY LISTED.

5. CONTRACTOR SHALL WARRANTY ALL DEVICES AND SYSTEMS FOR A PERIOD OF TWO YEARS.

6. CONTRACTOR SHALL PROVIDE 6 (SIX) HARD COPY SETS OF FIRE ALARM MANUALS FOR ALL SYSTEMS AND DEVICES IN ADDITION TO 6 (SIX) HARD COPY SETS OF A SYSTEM OPERATIONAL MANUAL TAILORED FOR THE PROJECT SPACE.

7. CONTRACTOR SHALL PROVIDE AN INDIVIDUALLY ADDRESSABLE TOTALLY SUPERVISED SYSTEM WITH BATTERY BACK-UP FOR 24 HOURS OF MONITORING INITIATING CIRCUITS PLUS 30 MINUTES OF ALARM WITH DUAL RATE BATTERY CHARGER.

8. CONTRACTOR SHALL PROVIDE A SATISFACTORY SYSTEM TEST IN THE PRESENCE OF THE OWNER, FIRE PREVENTION BUREAU AND CONSULTING ENGINEER.

9. CONTRACTOR SHALL PROVIDE ALL CONNECTION TO POWER PANELS, CONDUIT AND WIRE AND CONNECTIONS REQUIRED TO PROVIDE AN OPERATIONAL FIRE ALARM SYSTEM.

10. UNIQUELY LABEL ALL ADDRESSABLE DEVICES TO MATCH FIRE ALARM PROGRAMMING & AS BUILTS

COLOR CODE FOR CONDUCTORS

PROVIDE CONDUCTOR COLOR CODE AS FOLLOWS:
120/208VAC,3Ø,4W: BLUE,BLACK,RED FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND.

SYMBOLS

- DUPLEX RECEPTACLE, WALL MOUNTED @ +18" AFF TO BOTTOM OF DEVICE, NEMA 5-20R U.O.N.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, WALL MOUNTED @ +18"AFF AT BOTTOM OF DEVICE
- (2)DATA OUTLETS, 2 GANG 4SD BOX WITH DEVICES AND 4 CAT 6 CABLES FROM JACK TO IDF. PROVIDE 1-1/4"C MINIMUM TO CABLE TRAY OR IDF IF NO CABLE TRAY IS PRESENT.
- JUNCTION BOX (CEILING MTD.) SIZE PER TABLE AND NEC ARTICLE 314
- JUNCTION BOX (WALL MTD.) SIZE PER TABLE AND NEC ARTICLE 314
- THERMOSTAT - 36" TO 48" AFF, BOTTOM & TOP OF BOX RESPECTIVELY
- TRANSFORMER
- BRANCH CIRCUIT PANELBOARD - 120/208VAC, 3Ø, 4W.
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS,
- CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND
- 0-10 — LIGHTING CONTROL 0-10V (PURPLE GRAY)
- C5 — LOW VOLTAGE CABLE & CONDUIT 3/4"C-1#C4T5 U.O.N. (PER nLIGHT REQUIREMENTS)
- E — EMERGENCY CIRCUIT
- P — POWER CONDUIT & CONDUCTORS
- FLEXIBLE CONDUIT (WITH GROUND CONDUCTOR, PROVIDE LIQUID TIGHT CONDUIT IN ALL EXPOSED AREAS)
- HASH MARKS INDICATE QUANTITY OF #12 CONDUCTORS. NO HASH MARKS INDICATE (2)#12AWG. (PROVIDE GROUND CONDUCTOR IN ALL CONDUITS.) #10
- WHERE NO NUMBER IS INDICATED, THE CONDUCTORS ARE #12AWG(MIN.) CONDUIT SIZE IS AS REQUIRED BY ELECTRICAL CODE. (3/4" CONDUIT MINIMUM).
- INDICATES A HOMERUN TO PNL 2LA, CKTS 1-3-5 WITH SHARED NEUTRAL & CKT 7 WITH DEDICATED NEUTRAL. 2LA 1-3-5,7
- 3/4"C-2#12 & 1#12 GND
- 3/4"C-3#12 & 1#12 GND
- 3/4"C-4#12 & 1#12 GND
- 3/4"C-5#12 & 1#12 GND
- #10 3/4"C-2#10 & 1#10 GND
- #10 3/4"C-3#10 & 1#10 GND
- #10 3/4"C-4#10 & 1#10 GND
- #10 3/4"C-5#10 & 1#10 GND

1" CONDUIT MINIMUM IF UNDERGROUND (CONTRACTOR TO PROVIDE DEDICATED NEUTRALS FOR CIRCUITS WHICH DO NOT HAVE COMMON CIRCUIT HANDLE TIES ON BREAKERS FEEDING THE CIRCUITS)

- 1 SEE KEY NOTE #1 AS INDICATED ON DRAWING
- $P SWITCH WITH PILOT LIGHT @ 42"AFF
- $ 3ab 3-WAY SWITCH, a & b INDICATES LIGHT FIXTURE TO BE SWITCHED (EACH A 3-WAY) MOUNTED @ 42" AFF
- $ SWITCH MOUNTED @ +42" AFF
- $ M MOTOR RATED SWITCH
- $ a,b,c,d CIRCUIT SWITCH LEGS WALL SWITCHES
- 60AS 3SAF 3P DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSE, 3 POLE W/ OVERCURRENT PROTECTION U.O.N.
- M 100A UTILITY METER (OR AS NOTED)
- 3P 100AS 60AF FUSED DISCONNECT SWITCH 100AMP SWITCH RATING WITH 60 AMP FUSES, 3 POLE
- 200AF 150AT 3P MOLDED CASE CIRCUIT BREAKER 200 AMP FRAME, 150 AMP TRIP RATING, 3 POLE
- CCTV-VERIFY MOUNTING LOCATION AND REQUIREMENTS WITH CLIENT/OWNER.

APPLICABLE CODE: 2022 CBC

MEP COMPONENT ANCHORAGE NOTE

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

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCI-LTI-01-E (Revised 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF INSTALLATION	NRCI-LTI-01-E
Indoor Lighting	(Page 1 of 2)

Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Enforcement Agency:	Permit Number:
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	City: CAMARILLO	Zip Code: 93010

GENERAL INFORMATION

DATE OF BUILDING PERMIT:	PERMIT #
BUILDING TYPE	☐ Nonresidential ☐ High-Rise Res (Common Area) ☐ Hotel/Motel (Common Area)
PHASE OF CONSTRUCTION	☐ New Construction ☐ Addition ☐ Alteration ☐ Unconditioned

SCOPE OF RESPONSIBILITY

Enter the date of approval by enforcement agency of the Certificate of Compliance that provides the specifications for the energy efficiency measures for the scope of responsibility for this Installation Certificate.	Date:

In the table below identify all applicable construction documents that specify the requirements for the scope of responsibility reported by this Installation Certificate (continued).

Document Title or Description	Applicable Sheets or Pages, Tables, Schedules, etc.	Date Approved By the Enforcement Agency

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCI-LTI-01-E (Revised 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF INSTALLATION	NRCI-LTI-01-E
Indoor Lighting	(Page 2 of 2)

Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Installation documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
Address:	CEA Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Installation is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation and attest to the declarations in this statement (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer.
3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations, and the installation conforms to the requirements given on the plans and specifications approved by the enforcement agency.
4. I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met.
5. I will ensure that a completed signed copy of this Certificate of Installation shall be posted, or 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 Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone	Date Signed:

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page: Page 4 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared: 11-26-2025

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS
This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page: Page 5 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared: 11-26-2025

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
○	◉	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and 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

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
○	◉	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐
○	◉	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
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Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared: 11-26-2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name: KEN LUCCI	Documentation Author Signature:
Company:	Signature Date:
Address: 3251 CORTE MALPASO, SUITE 511	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: CAMARILLO, CA. 93012	Phone: (805) 389-6520

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: KEN LUCCI	Responsible Designer Signature:
Company : LUCCI & ASSOCIATES	Date Signed: 11-26-2025
Address: 3251 CORTE MALPASO, SUITE 511	License: E 8340
City/State/Zip: CAMARILLO, CA. 93012	Phone: (805) 389-6520

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page: Page 1 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared: 11-26-2025

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.

A. GENERAL INFORMATION

01	Project Location (city)	VENTURA	04	Total Conditioned Floor Area (ft²)	1,200
02	Climate Zone	6	05	Total Unconditioned Floor Area (ft²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☐ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare ☑ Other (write in): kitchen

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

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	Complete Building	1,900		
☐ Altered Lighting System				
Total Area of Work (ft²)	**1,900**			

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	Allowed Lighting Power per §140.6(b) (Watts)						Adjusted Lighting Power per §140.6(a) (Watts)				Compliance Results
	01	02	03	04	05		06	07	08		09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	**Total Allowed** (Watts)		Total Designed (Watts)	Adjustments: PAF Control Credits §140.6(a)2 (-)	**Total Adjusted** (Watts) *Includes Adjustments		**05 Must be ≥ 08** §140.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned:	840				= **840**	≥	432		= **432**		**COMPLIES**
Unconditioned:					=	≥			=		

Table Continued

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page: Page 2 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared: 11-26-2025

Controls Compliance (See Table H for Details)	COMPLIES with Exceptional Conditions
Rated Power Reduction Compliance (See Table Q for Details)	Not Applicable

D. EXCEPTIONAL CONDITIONS

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

Table H Indoor Lighting Controls Permit Applicant Notes:
kitchen: kitchen food service area manually controlled

E. ADDITIONAL REMARKS

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

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

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 Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector Pass	Field Inspector Fail
A	LED 2 x 4	☐	☐	36	Mfr. Spec[3]	12	☐	432	☐	☐
						Total Designed Watts CONDITIONED SPACES:		**432**		

[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% 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) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

STATE OF CALIFORNIA
Indoor Lighting
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*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)	Field Inspector Pass	Field Inspector Fail
		☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector Pass	Field Inspector Fail
kitchen	Restaurant Building	Manual ON/ OFF	Exempt*	Exempt*	NA	NA	☐	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)

13
Plan Sheet Showing Daylit Zones:

kitchen	*kitchen food service area manually controlled*

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate 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 Allowances / Adjustment: Area Category	PAF
kitchen	Restaurant Building	0.7	1,200	840	☐	☐
		TOTAL:	**1,200**	**840**	See Tables J or P for detail	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
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STAMP
REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2026 ELECTRICAL STATE OF CALIFORNIA

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
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PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name
INDOOR TITLE 24

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI
Sheet Number	E101

Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission. L.A.I.# 24-833 PAPER SIZE 36"x24"

PLOT DATE: 1/28/2026 2:27:23 PM TIME: 2:27 pm DATE: 28 January 2026 PLOT BY: CM02
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Date Plotted: 28-Jan-26 2:27
Attached XREFS:
Attached Plot Style Table:
Drafter: CM01: DATE: NOV 11, 2025 TIME: 9:07 AM

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCI-LTO-01-E (Revised 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF INSTALLATION		NRCI-LTO-01-E
Outdoor Lighting		(Page 1 of 2)
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Enforcement Agency:	Permit Number:
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	City: CAMARILLO	Zip Code: 93010

GENERAL INFORMATION

DATE OF BUILDING PERMIT:	PERMIT #:
BUILDING TYPE	☐ Nonresidential Outdoor Lighting
PHASE OF CONSTRUCTION	☐ New Construction ☐ Addition ☐ Alteration

If more than one person has responsibility for building construction, each person shall prepare and sign an Installation Certificate document applicable to the portion of construction for which they are responsible; alternatively, the person with chief responsibility for construction shall prepare and sign the Installation Certificate document(s) for the entire construction.

SCOPE OF RESPONSIBILITY

Enter the date of approval by enforcement agency of the Certificate of Compliance that provides the specifications for the energy efficiency measures for the scope of responsibility for this Installation Certificate.	Date:

In the table below, identify all construction documents that show that the outdoor lighting and controls were installed as it was proposed in the Certificates of Compliance.

Document Title or Description	Applicable Sheets or Pages, Tables, Schedules, etc.	Date Approved By the Enforcement Agency

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCI-LTO-01-E (Revised 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF INSTALLATION		NRCI-LTO-01-E
Outdoor Lighting		(Page 2 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Installation documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
Address:	CEA Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Installation is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation and attest to the declarations in this statement (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer.
3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations, and the installation conforms to the requirements given on the plans and specifications approved by the enforcement agency.
4. I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met.
5. I will ensure that a completed signed copy of this Certificate of Installation shall be posted, or 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 Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page:	Page 4 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared:	11-26-2025

Table Continued

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. 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.

☑ General Hardscape Allowance	01 "Use it or lose it" Allowances (select all that apply)			
	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area
	Table J	Table K	Table L	Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	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)	
walkway	Asphalt	5,900	0.025	147.5	2,500	0.25	625	772.5
						Initial Wattage Allowance for Entire Site (Watts):		350
						Total General Hardscape Allowance (Watts):		1,122.5

J. LIGHTING ALLOWANCE: PER APPLICATION
This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL
This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This Section Does Not Apply

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page:	Page 5 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared:	11-26-2025

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	○	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page:	Page 6 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared:	11-26-2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	KEN LUCCI	Documentation Author Signature:	
Company:	LUCCI & ASOCIATES	Signature Date:	
Address:	3251 CORTE MALPASO, SUITE 511	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	CAMARILLO, CA., 93012	Phone:	805 389-6520

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:	KEN LUCCI	Responsible Designer Signature:	
Company :	LUCCI & ASOCIATES	Date Signed:	11-26-2025
Address:	3251 CORTE MALPASO, SUITE 511	License:	E8340
City/State/Zip:	CAMARILLO, CA., 93012	Phone:	805 389-6520

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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.		
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page:	Page 1 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared:	11-26-2025

A. GENERAL INFORMATION

01	Project Location (city)	camarillo	04	Total Illuminated Hardscape Area (ft²)	6,200
02	Climate Zone	6			
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 - Rural Areas ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Developed Parkland ☑ LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My project consists of:

01	02
☑ New Lighting System	Must Comply with Allowances from §140.7.
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ◯ Yes ◯ No
03	04 / 05
% of Existing Luminaires Being Altered†	Sum Total of Luminaires Being Added or Altered / Calculation Method

† *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*

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L									Compliance Results		
01		02		03	04		05		06		07		08	09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)	(See Table L)		(See Table M)		(See Table N)				(See Table F)	
1,122.5	+		+			+		OR		=	1,122.5	≥	648	**COMPLIES**
Cutoff Compliance (See Table G for Details)											**Not Applicable**			
Controls Compliance (See Table H for Details)											**COMPLIES with Exceptional Conditions**			

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page:	Page 2 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared:	11-26-2025

D. EXCEPTIONAL CONDITIONS

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

Table H. Outdoor Lighting Controls Permit Applicant Notes:
pedestrian: emergency exterior lighting
Total Hardscape Area in Table A does not match the areas entered in Table I. Please review for compliance.

E. ADDITIONAL REMARKS

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

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

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 Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector Pass	Field Inspector Fail
W	wall flood LED	☐ Linear	36	Mfr. Spec[1]	3	New	☐	108	NA: <6,200 lumens	☐	☐
P	pedestrian LED	☐ Linear	54	Mfr. Spec[1]	10	New	☐	540	NA: <6,200 lumens	☐	☐
		☐ Linear					☐	0		☐	☐
		☐ Linear					☐	0		☐	☐
		☐ Linear					☐	0		☐	☐
						Total Designed Watts:		**648**			

* 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).

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VALLE LINDO ELEMENTARY MODULAR BUILDING	Report Page:	Page 3 of 6
Project Address: 777 AILEEN ST. CAMARILLO, CA 93010	Date Prepared:	11-26-2025

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire 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 cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).*

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating 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.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector Pass	Field Inspector Fail
pedestrian	Exempt *	Yes	Yes	☐	☐
				☐	☐
				☐	☐
				☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

pedestrian	emergency exterior lighting

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Continued

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APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E-8340 Exp. 09/30/2026 ELECTRICAL STATE OF CALIFORNIA

LUCCI & ASSOCIATES INC.
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PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

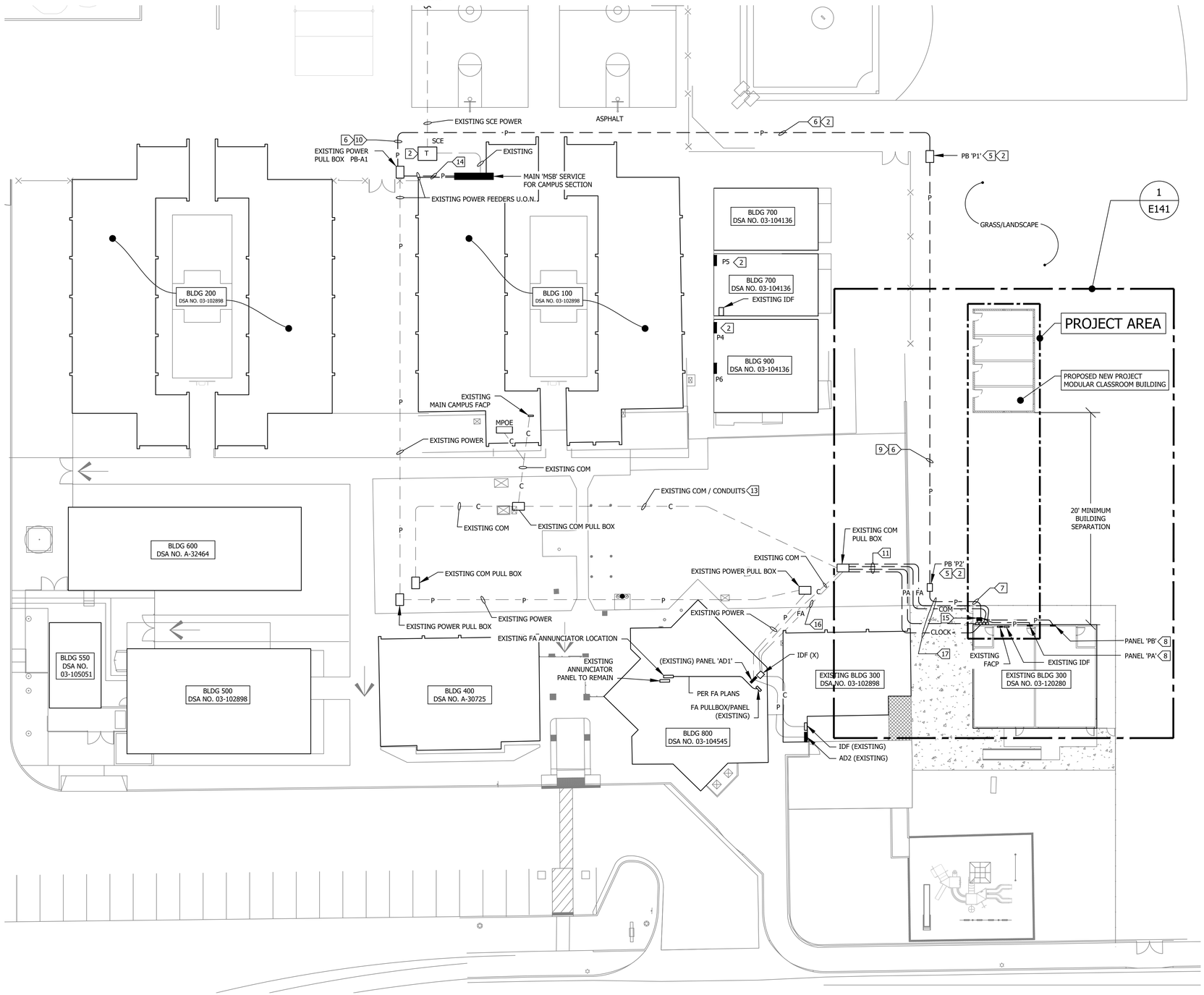
No.	Description	Date

Sheet Name
OUTDOOR TITLE 24

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI
Sheet Number	E102

Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission. L.A.I.# 24-833 PAPER SIZE 36"x24"

PLOT DATE: 1/28/2026 2:27:32 PM TIME: 2:27 pm
DATE: 28 January 2026 PLOT BY: CM02
PATHNAME: G:\24\833\ELS\Sheets SAVE DATE: 11/26/2025 11:06:33 AM
DRAFTER: CM02 DRAWING FILENAME: 24-833 E102
DRAWING: G:\24\833\ELS\Sheets\24-833 E102.dwg
Drafter:CM02 Paper Size: 11.0"
Drawing:G:\24\833\ELS\Sheets\24-833 E102.dwg
Plot Date/Time:1/28/2026 2:27:32 PM
Attached XREFS:
Attached Plot Style Table:acad.ctb
Plotted by:CM02
Drafter: CM01: DATE: NOV 11, 2025 TIME: 9:07 AM



EXISTING SITE ELECTRICAL PLAN

SCALE: 1"=20'-0"

1 / E140

SHEET NOTES:

1. FIELD VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES AND REVIEW ON ARCHITECTURAL AND CIVIL PLANS.
2. CONTRACTOR SHALL VERIFY LOCATION AND REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN AND INSTALLATION.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGED DURING CONSTRUCTION.

KEY NOTES:

1. EXISTING PULL BOX.
2. EXISTING EQUIPMENT.
3. NOT USED.
4. EXISTING UNDERGROUND FEEDER.
5. EXISTING PULL BOX, 24"x36" WITH TRAFFIC RATED LOCKABLE COVER LABEL 'ELECTRICAL' & COORDINATE EXACT LOCATION WITH OWNER REPRESENTATIVE, PROVIDE CLOSE TO EXISTING FENCE.
6. EXISTING (2)3"C-(2)4"C, EXISTING FEEDER IN ONE OF THE (2) 3"C PER E200.
7. EXISTING 2-1/2"C FEEDER.
8. PANEL PER E405 (PROVIDED WITH MODULAR).
9. HORIZONTAL BORED CONDUITS/FEEDERS.
10. INSTALL CONDUITS/FEEDERS.
11. EXISTING LOW VOLTAGE - COM SYSTEM
    - 2"C - COM (OPTICAL FIBER)
    - 1-1/2"C - FIRE ALARM (FA)
    - 1-1/4"C - CLOCK SYSTEM
    - 1-1/2"C - PUBLIC ADDRESS (PA)
12. NOT USED.
13. EXISTING CABLES / CONDUCTORS TO SOURCE FROM BUILDING.
14. EXISTING CONDUCTORS / FEEDER PER E200.
15. (X) PANEL 'MB' PER E200.
16. EXISTING FA CABLING FOR/TO ANNUNICATOR PER FA RISER DIAGRAM.
17. IN EXISTING DUCTBANK.

ALL ITEMS SHOWN ARE EXISTING EXCEPT PROPOSED NEW MODULAR CLASSROOM BUILDING

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

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

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT:
HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING 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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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285 N Ventura Ave #102
Ventura, CA 93001
P805.626.5330
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www.RNTarchitects.com

STAMP

REGISTERED PROFESSIONAL ENGINEER
KENNETH W. LUCCI
No. E-13040
EXP. 06/30/2026
ELECTRICAL
STATE OF CALIFORNIA

LUCCI & ASSOCIATES INC.
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PLEASANT VALLEY SCHOOL DISTRICT

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FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name

EXISTING SITE ELECTRICAL PLAN

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number

E140

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L.A.I.# 24-833 PAPER SIZE 36"x24"

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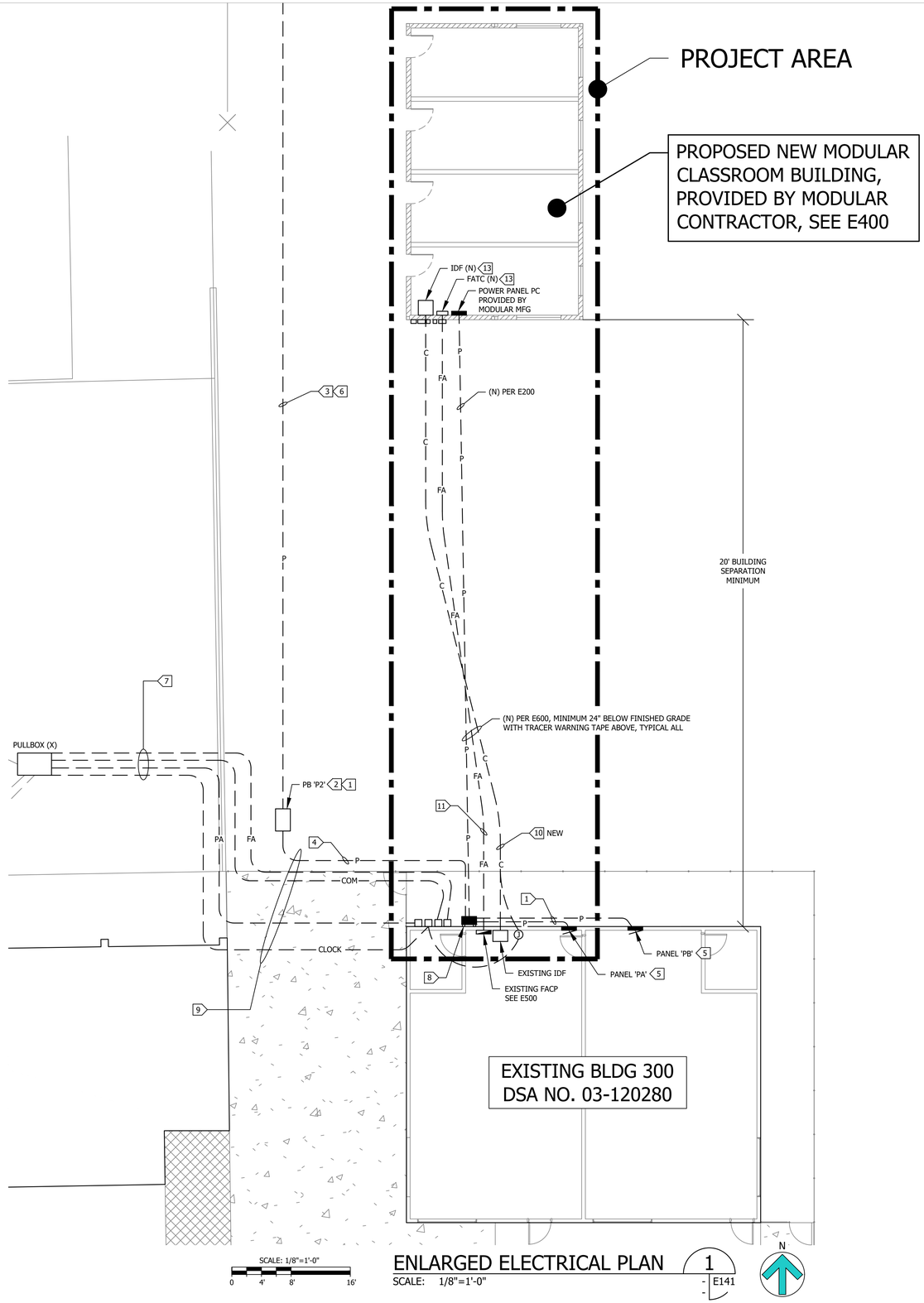

SHEET NOTES:

1. FIELD VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES AND REVIEW ON ARCHITECTURAL AND CIVIL PLANS.
2. CONTRACTOR SHALL VERIFY LOCATION AND REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN AND INSTALLATION.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGED DURING CONSTRUCTION.
4. ALL CONDUIT 90° CONDUIT BENDS AND RISERS SHALL BE PVC SCHEDULE 80.
5. MINIMUM CONDUIT BURIAL DEPTH IS 24", 60" DEEP WHEN HORIZONTAL BORED.
6. 1" CONDUIT MINIMUM UNDERGROUND.
7. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
8. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.

KEY NOTES:

1. EXISTING.
2. EXISTING PULL BOX, 24"x36" WITH TRAFFIC RATED LOCKABLE COVER LABEL 'ELECTRICAL' & COORDINATE EXACT LOCATION WITH OWNER REPRESENTATIVE, PROVIDE CLOSE TO EXISTING FENCE.
3. EXISTING (2)3"C-(2)4"C, EXISTING FEEDER IN ONE OF THE (2) 3"C PER E200.
4. EXISTING 2-1/2"C FEEDER PER E200.
5. PANEL PER E200 (PROVIDED WITH MODULAR).
6. EXISTING HORIZONTAL BORED CONDUITS/FEEDERS.
7. EXISTING LOW VOLTAGE - COM SYSTEM
   - 2"C - COM (OPTICAL FIBER) CABLING
   - 1-1/2"C - FIRE ALARM (FA) CABLING
   - 1-1/4"C - CLOCK SYSTEM CABLING
   - 1-1/2"C - PUBLIC ADDRESS (PA) CABLING
8. (X) PANEL 'MB' PER E200.
9. EXISTING DUCTBANK/SYSTEMS.
10. (N) 1-1/2"C - OPTICAL FIBER - OM4 (INCLUDE TERMINATIONS) TO IDF EXISTING & NEW
    (N) 1-1/2"C - 25 PAIR WET LOCATION LISTED (INCLUDE TERMINATIONS) TO IDF
    (N) 1-1/2"C - SPARE TO CEILING CAVITY 12
    (N) 1-1/2"C - CLOCK & BELL SYSTEM - QUANTITY 4 WEST PENN AQC 355 12
11. (N) 1-1/2"C - F.A. CABLING/TYPE PER FA PLANS/RISER.
12. ROUTE TO 12"x12"x6" BOX IN NEW MODULAR CEILING CAVITY.
13. BY CONTRACTOR.

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DATE: 03/03/2026

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PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name
ENLARGED ELECTRICAL PLAN

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number
E141

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ALL ELECTRICAL EQUIPMENT IS EXISTING U.O.N. AS NEW.

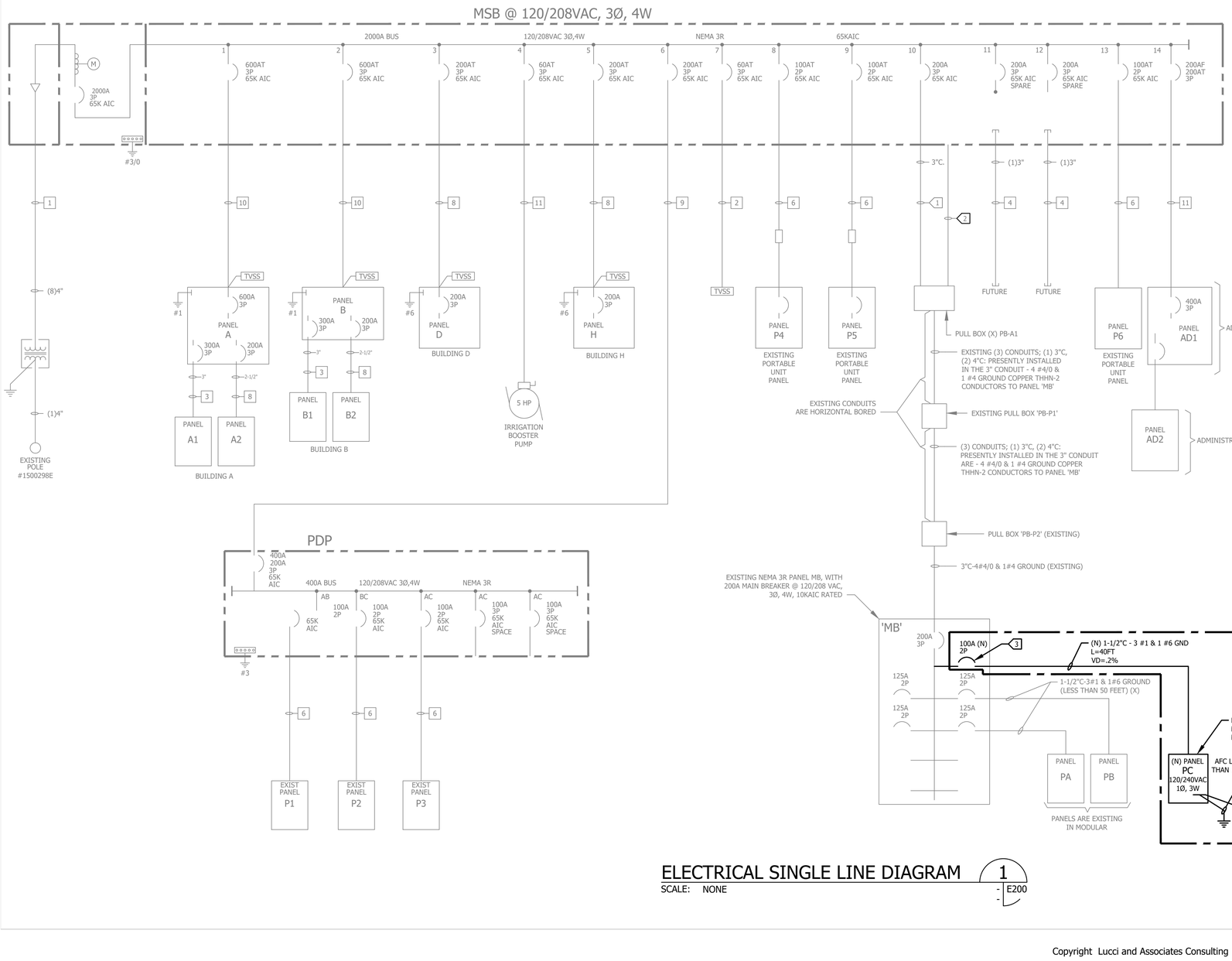
LOAD CALCULATIONS MC

PANEL MSB	LOAD
PANEL CA -	12 KVA
TOTAL SWITCHBOARD MSB DEMAND LOAD - 280 KVA X 125% + 12 KVA 362 KVA @ 208 VAC 3Ø =	280 KVA 1006 AMPS

THE ELECTRICAL SERVICE HAS BEEN INVESTIGATED AND FOUND TO BE OF ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION AS NOTED ON THESE PLANS

LOAD CALCULATIONS MAIN SWITCHBOARD MSB RATED 2000A

PANEL / LOAD	LOAD
PANEL A -	- KVA
PANEL B -	- KVA
PANEL D -	- KVA
PANEL H -	- KVA
PANEL PDP -	- KVA
PANEL P4 -	- KVA
PANEL P5 -	- KVA
PANEL P6 -	- KVA
IRRIGATION BOOSTER PUMP -	- KVA
PANEL AD1 -	- KVA
PANEL MB -	- KVA
PANEL MC -	- KVA
TOTAL SWITCHBOARD DEMAND LOAD - 280 KVA X 125% + 30 KVA 380 KVA @ 208 VAC 3Ø =	280 KVA 1056 AMPS @ 120/208VAC, 3Ø, 4W



FEEDER SCHEDULE - EXISTING

TAG	CONDUIT/CONDUCTOR
1	(8)4"C PER SCE REQUIRMENTS
2	1"C - 3#6 & 1#10 GND
3	3"C - 4#350MCM & 1#4 GND
4	3"C - STUB FOR FUTURE BLDG.
5	4"C - 4#600MCM & 1#4 GND & 1#4 ISO GND
6	1-1/2"C - 3#2 & 1#8 GND
7	1-1/2"C - 4#2 & 1#8 GND & 1#8 ISO GND
8	2-1/2"C - 4#3/0 & 1#6 GND & 1#6 ISO GND
9	4"C - 4#3/0 & 1#6 GND
10	(2)4"C - 4#350MCM & 1#1 GND & 1#1 ISO GND
11	(2)2"C - 4#3/0 & 1#2 GND

EXISTING

KEY NOTES:

1. EXISTING FEEDER 4#4/0 & 1#4 GROUND INTO EXISTING 3" CONDUIT.
2. EXISTING (2) 4"C.O.
3. MATCH NEW BREAKER TYPE & AIC RATING.
4. (NEW) EACH MODULAR & PANEL MC SHALL HAVE NEW #4 UFER & 3/4"x10'-0" GROUND ROD WITH ALL SYSTEMS EXOTHERMICALLY WELDED/BONDED TOGETHER & MINIMUM 6'-0" APART.

ELECTRICAL SINGLE LINE DIAGRAM 1
SCALE: NONE - E200

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03-125745

No.	Description	Date

Sheet Name
ELECTRICAL SINGLE LINE DIAGRAM

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number
E200

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PROVIDED WITH NEW MODULAR

PANEL NUMBER PC | VOLTAGE 120/208 | PHASE 1 | WIRE 3

SOURCE MC | A.I.C. 10,000

PANEL LOCATION INTERIOR ROOM 1 | BUS AMPERE RATING 100

■ NEMA 1 ■ COPPER BUSS

■ MAIN CIRCUIT BREAKER 100A

■ SURFACE MOUNTING

CONTRACTOR TO ADD BREAKERS & LOAD, MATCH BREAKER TYPE & AIC

L C L	MISC	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	LOAD(VA) B	BRKR POLE	BRKR AMP	CKT	PHASE A C	CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	LOAD(VA) B	CIRCUIT DESCRIPTION	MISC	RCPT	LITE	L C L
		4		RECEPTACLES	360		1	20	1		2	30		2140		SPLIT SYSTEM				L
		4		RECEPTACLES		360	1	20	3		4		2		2140	SPLIT SYSTEM				L
		4		RECEPTACLES	360		1	20	5		6	20	1	480		INTERIOR LIGHTS			8	L
		4		RECEPTACLES		360	1	20	7		8	20	1		120	EXTERIOR LIGHTS			4	L
		1		RECEPTACLES (WP)	180		1	20	9		10	20	1	360		RECEPTACLE		2		
		2		RECEPTACLES		360			11		12	20	1		360	RECEPTACLE		2		
		2		RECEPTACLES	360				13		14	20	1	360		RECEPTACLE		2		
		2		RECEPTACLES		360			15		16	20	1		360	RECEPTACLE		2		
		2		RECEPTACLES	360				17		18	20	1	360		RECEPTACLE		2		
				SPARE		·			19		20	20	1		360	RECEPTACLE		2		
				SPARE	·				21		22	20	1	360		RECEPTACLE		2		
				SPARE		·			23		24	20	1		360	RECEPTACLE		2		
				SPARE	·				25		26	20	1	·		SPARE				
				SPARE		·			27		28	20	1		·	SPARE				
				SPARE	·				29		30	20	1	100		IDF	1			
				TOTALS	1620	1440								4160	3700	TOTALS				

L.C.L. VOLT AMPS:	1220	PHASE A	655	PHASE B	565	.	
TOTAL VOLT AMPS:	12140	PHASE A	6435	PHASE B	5705	.	
TOTAL AMPS:	51	PHASE A	54	PHASE B	48	.	

-	-	PC
-	-	-
-	-	-

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03-125745

No.	Description	Date

Sheet Name

ELECTRICAL PANEL SCHEDULE

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number

E201

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L.A.I.# 24-833 PAPER SIZE 36"x24"

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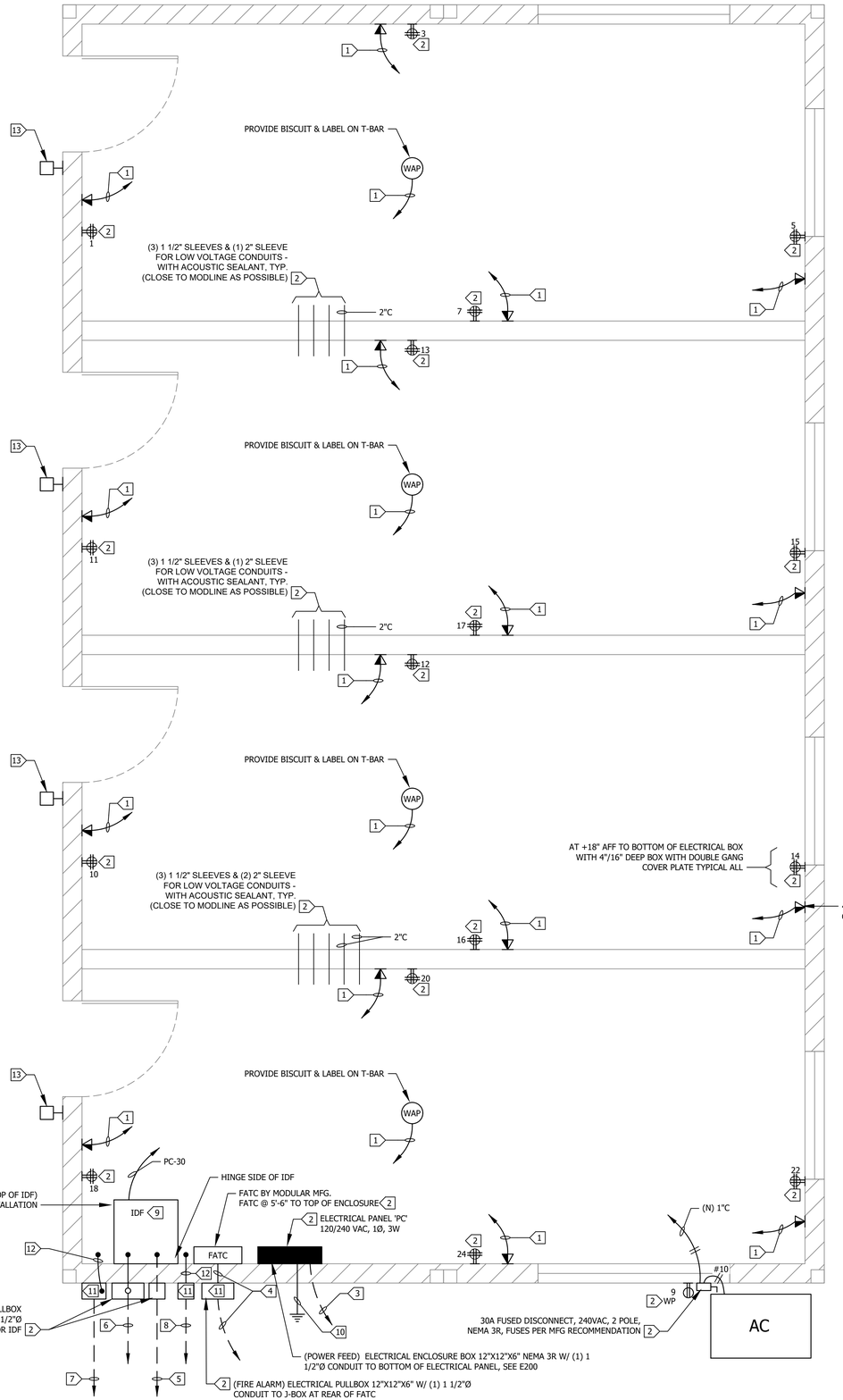

ALL ELECTRICAL ITEMS SHOWN ARE NEW

SHEET NOTES:

1. CONTRACTOR SHALL FIELD VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
2. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
4. 3/4" CONDUIT MINIMUM U.O.N., 1"C UNDERGROUND.
5. PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
6. PROVIDE CONTROLS FOR MECHANICAL EQUIPMENT PER MECHANICAL DOCUMENTS. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT ON MECHANICAL DOCUMENTS.
7. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
8. VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.

KEY NOTES:

1. 2 CAT6 (BLUE) BERTEC OR LEVITON IN 1"C MINIMUM TO CEILING CAVITY & THEN TO IDF 9 V12 2" SLEEVES IN WALLS.
2. PROVIDED WITH MODULAR.
3. (N) POWER FEEDER PER E200.
4. 1-1/2"C - FA CABLING PER FA RISER DIAGRAM (CONTINUE 1-1/2"C TO FATC.
5. 1-1/2"C - OPTICAL FIBER OM4 WET LOCATION
6. 1-1/2"C - 25 PAIR WET RATED
7. 1-1/2"C - WEST PENN AQC #355
8. 1-1/2"C - SPARE
9. HUBBEL IDF# HQC #2424 WITH MOUNTING HARDWARE, POWER STRIP & FAN.
10. GROUNDING PER E200/E600.
11. 12"x12"x6" PULLBOX WITH TERMINAL STRIP.
12. 1-1/2"C TO CEILING CAVITY FROM NEW 11.
13. REPLACE LIGHTING FIXTURE ON MODULAR WITH LITHONIA LIGHTING DSXW1LED-10C-350-40K-T4M-MVOLT-PE-PIR-DWHXD, CONNECT TO CONSTANT POWER CIRCUIT.

CONTRACTOR SHALL PROVIDE & INSTALL

1. IDF & FIBER & COPPER CABLING.
2. FIBER RUNS TO IDF FROM EXISTING MODULAR PER E141.
3. CLOCK/PAGING CABLE FROM EXISTING MODULAR TO NEW MODULAR PER E141.
4. POWER CONNECTION PER E200.
5. FATC CABLING, DEVICES, PROGRAMMING, ETC. PER FA PLANS.

PROVIDE ACOUSTIC SEAL PUTTY ON ALL WALL BOXES FOR RECEPTACLE & TEL COM OUTLETS.

SEE FIRE ALARM PLANS FOR FA DEVICES & FA SYSTEM.

NEW MODULAR POWER & COM PLANS

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

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

N

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No.	Description	Date

Sheet Name
NEW MODULAR POWER PLANS

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number
E400

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FIRE ALARM EQUIPMENT LIST

	SYMBOL	MODEL. NO	DESCRIPTION	MANUFACTURER	CSFM. NO.	MOUNTING	BACKBOX
1		E3	FIRE ALARM CONTROL PANEL	FCI GAMEWELL	7165-1703:0125	WALL	
	FATC	-	FIRE ALARM TERMINAL CABINET	-	-	WALL 60" C	
2	ANN	E3-LOC	FIRE ALARM ANNUNCIATOR PANEL	FCI	7165-1703:0125	WALL 60" CENTERLINE	E3BB-AA
	S	ASD-PL3	PHOTOELECTRIC SMOKE DETECTOR WITH BASE	FCI GAMEWELL	7272-1703:0121	CEILING/WALL	4"S x 1-1/2"D BOX W/ADB-FL BASE
	H	ATD-L3H	FIXED 190º HEAT DETECTOR HIGH TEMP	FCI GAMEWELL	7270-1703:0502	CEILING/WALL	4"S x 1-1/2"D BOX W/ADB-FL BASE
		SPSCWL-P	MULTI-CNDL CEILING SPEAKER/STROBE 30cd	FCI GAMEWELL	7320-1653:0505	WALL @ +80" AFF TO +96" AFF	4"S x 1-1/2"D BOX W/ADB-FL BASE
	WP	SPSWK	OUTDOOR SPEAKER, 1/2W	FCI GAMEWELL	7300-1653:0187	WALL @ +90" AFF	WEATHERPROOF ENCLOSURE SA-WBBW
	INX	INX	INTELLIGENT NETWORK TRANSPONDER	FCI GAMEWELL	7165-1703:0125	WALL @ +72" AFF	BACKBOX INX-CABR
	AMP	AMP	AM-50 AUDIO AMP, 50W	FCI GAMEWELL	7165-1703:0125	IN INX	BACKBOX INX-CABR
	IN	INI	COMMAND CENTER VOICE GATEWAY VOICE PAGING MICROPHONE	FCI GAMEWELL	7165-1703:0125	IN INX	BACKBOX INX-CABR

SET AT 30cd & 1/4W FOR NEW PROJECT MODULAR

NEW EXTERIOR DEVICE IS SPEAKER ONLY

LOCATED IN EXISTING E3 IN ADJACENT MODULAR

KEY NOTES:

1. EXISTING E3 IN ADJACENT MODULAR DSA #03-120280 PER E140/E141. PROVIDE CONNECTION TO NEW ADDRESSABLE & SPEAKERS/STROBES & ADDRESSABLE DEVICES PER PLANS.
2. EXISTING ANNUNCIATOR PROVIDED AT ADMINISTRATION BUILDING.
3. PROVIDED IN EXISTING PERMITTED MODULAR WITH EXISTING E3 FACP.

SEQUENCE OF OPERATION

DEVICE \ ACTION	THROUGHOUT BUILDING SOUND GENERAL ALARM	SOUND TROUBLE BUZZER	ACTIVATE ADDRESSABLE MODULE FOR MONITORING	ANNUNCIATE AT PANEL	TRANSMIT TROUBLE SIGNAL FOR ALL ABOVE E.C. COMPONENTS TO SUPERVISING STATION	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	ACTIVE REMOTE POWER SUPPLY PANEL (FCPS)	ACTIVATE SPEAKERS & VISUAL ALARMS FROM F.A. SYSTEM
MANUAL PULL STATION	●		●	●		●	●	●
INDICATING CIRCUIT FAILURE		●		●				
INITIATING CIRCUIT FAILURE		●		●				
AC / BATTERY FAILURE		●		●		●		
F.A. SYSTEM LOW BATTERY		●		●				
SMOKE DETECTORS	●			●		●	●	●
HEAT DETECTORS	●			●		●	●	●
ISOLATOR LINE TROUBLE		●		●				
EARTH GROUND FAULT		●		●	●			
NOTIFICATION APPLIANCE CIRCUIT OPEN		●		●	●	●		
SIGNAL LINE SHORT		●		●	●	●		

PROJECT NOTES

GENERAL NOTES

1. ALL WIRE SHALL BE IN CONDUIT PER CFC 907.
2. MOUNT AUDIO VISUAL 80 IN. ABOVE FINISHED FLOOR TO THE BOTTOM OF THE STROBE OR 6" FROM BELOW CEILING WHICH EVER IS LOWEST.
3. MAINTAIN WIRING COLOR CODES.
4. ALL WIRING TO BE AS CALLED FOR IN N.E.C. ARTICLE 760 & CFC 907.
5. DEVICE TYPES AND LOCATIONS ARE SHOWN AS CALLED FOR ON THE BID DOCUMENTS.
6. ALL FIRE ALARM CONDUITS ABOVE GRADE SHALL BE RED.

APPLICABLE CODES

LIST OF CALIFORNIA CODE OF REGULATIONS

LIST OF CALIFORNIA CODE OF REGULATIONS APPLICABLE CODES AS OF JAN. 1ST, 2020
ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS

2025 BUILDING STANDARDS ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRIC CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
PARTIAL LIST OF APPLICABLE NFPA STANDARDS
NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING SYSTEMS 2021 EDITION

APPLICABLE STANDARDS

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

WIRE LEGEND

TYPE	CONDUCTORS	SIZE	OUTDOOR	INDOOR	TYPE CABLE	CIRCUIT DESCRIPTION	WIRE COLOR SCHEME	LISTING (CLASS B)
A	2	#16AWG	WEST PENN AQ225	WEST PENN D990	FPL	ADDRESSABLE DEVICE CIRCUIT	RED (+), BLACK (-)	UL AQ225 1424
C	2	#16AWG	WEST PENN AQ294	WEST PENN D991	THHN	SPEAKER CIRCUIT	RED (+), BLACK (-)	UL 83
N	4	#18AWG	WEST PENN AQ224	WEST PENN D980	THHN	NETWORK (RS484) CIRCUIT	RED (+), BLACK (-)	UL 83
D	2	#12AWG			THHN	STROBE CIRCUIT	YELLOW (+), BLUE (-)	UL 83

SCOPE OF WORK

PROVIDE CONNECTION TO EXISTING E3 VOICE EVACUATION ADDRESSABLE FIRE ALARM SYSTEM FOR THE BUILDING, AUTOMATIC TYPE COMPLETE BUILDING TYPE.

FIRE ALARM ZONE SCHEDULE

THE EXISTING FIRE ALARM SYSTEM IS A E3 FCI ADDRESSABLE TYPE LOCATED IN ADJACENT MODULAR. EACH INITIATING DEVICE IS ANNUNCIATED AS A UNIQUE ADDRESS OR ZONE AT THE PANEL AND ANNUNCIATOR.

F.A. RACEWAY SIZING

MINIMUM CONDUIT SIZE IN MODULAR SHALL BE 3/4" DIAMETER AND SHALL NOT EXCEED 40% FILL, 1-1/2"C MINIMUM UNDERGROUND (ALL UNDERGROUND CABLE TO BE AQ TYPE WITH AQUASEAL)

FIRE ALARM N.A.C. DEVICE NUMBERING KEY

S1-5

- NUMBER OF DEVICE IN CIRCUIT OR.
- CIRCUIT NUMBER (NUMBERING STARTS AGAIN AT EACH "FCPS")
- NOTIFICATION APPLIANCE CIRCUIT TYPE (A=AUDIBLE SPEAKER, V=VISUAL)

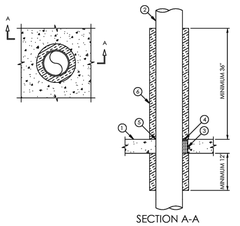
FIRE ALARM ADDRESSABLE DEVICE IDENTIFICATION KEY

1D-015 (IDENTIFICATION MATCHES ACTUAL LED DISPLAY IN "FACP" OR "ANN")

- 3-DIGIT NUMBER OF ADDRESSABLE DEVICE
- "D" DESIGNATED ADDRESSABLE "DEVICE". "M" DESIGNATED "MONITOR" MODULE.
- SLC LOOP NUMBER

UL/cUL SYSTEM NO. C-AJ-1597

METAL PIPE THROUGH CONCRETE FLOOR/WALL OR CONCRETE BLOCK WALL
F-RATING = 3-HR.
T-RATING = 2-HR. OR 2 3/4-HR. (SEE NOTES BELOW)
L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT
L-RATING AT 400ºF = LESS THAN 1 CFM / SQ FT



SECTION A-A

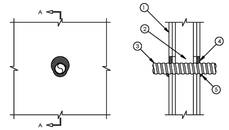
1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
      B. ANY UL/cUL CLASSIFIED PRECAST (HOLLOW-CORE) CONCRETE FLOOR (MINIMUM 4" THICK).
      C. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 8" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 8" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING.
   D. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
4. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT. HILTI CFS-S SIL FIRESTOP SILICONE SEALANT. HILTI CP 604 SELF-LEVELING FIRESTOP SEALANT. OR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT.
5. [NOT SHOWN] MINIMUM 3" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT (NON REQUIRED WHEN CP 604 SELF LEVELING FIRESTOP SEALANT IS USED).
6. NORMAL 1'-1/2" OR 2" THICK DUCT WRAP (FYREWRAP DUCT OR FYREWRAP DUCT 1.5 INSULATION MANUFACTURES BY UNIFRAX, OR FIREMASTER FASTWRAP X), MANUFACTURED BY THERMAL CERAMICS) WRAPPED AROUND PENETRANT, EXTENDING MINIMUM 36" ABOVE FLOOR AND MINIMUM 12" BELOW FLOOR OR MINIMUM 36" BEYOND BOTH SIDES OF WALL ASSEMBLY. THE ENDS ARE TO BE TIGHTLY BUTTED TOGETHER AND TAPED ON TOP SIDE OF FLOOR AND BOTH SIDES OF WALL. THE EXPOSED EDGES OF THE FACED BLANKETS ARE TO BE TAPED WITH 4" WIDE PRESSURE-SENSITIVE ALUMINUM FOIL TAPE. ON THE BOTTOM SURFACE OF THE FLOOR ENDS ARE TO BE TIGHTLY BUTTED AND WIRE BOUND.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 10"FOR NORMAL CONCRETE, 7" FOR PRECAST (HOLLOW-CORE) CONCRETE.
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2".
3. HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL.
4. MINERAL WOOL REQUIRED TO BE INSTALLED FLUSH WITH BOTTOM FLOOR SURFACE WHEN INSTALLED IN PRECAST (HOLLOW-CORE) CONCRETE.
5. T-RATING EQUALS 2-HR. WHEN 1-1/2" THICK DUCT INSULATION IS USED

(CONDUIT) FLOOR PENETRATION DETAIL

UL/cUL SYSTEM NO. W-L-1243

FLEXIBLE ALUMINUM CONDUIT THROUGH GYPSUM WALL ASSEMBLY
F-RATING = 1-HR. OR 2-HR.
T-RATING = 0-HR.
L-RATING AT AMBIENT = 5 CFM/SQ. FT.
L-RATING AT 400ºF = 1 CFM/SQ. FT.



SECTION A-A

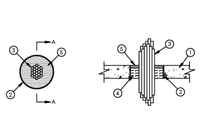
1. GYPSUM WALL ASSEMBLY - MIN 2-1/2 IN. (64 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE FLOOR OR MIN 3 IN. (76MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCK*. MAX DIAM OF OPENING IS 6 IN. (152 MM).
SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
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 3" NOMINAL DIAMETER FLEXIBLE ALUMINUM OR STEEL CONDUIT.
   B. MAXIMUM 2" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY OMEGA FLEX INC.
   A. MAXIMUM 1" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY GASTITE, DIVISION OF TITEFLEX OR WARD MFG. LLC.
4. MINIMUM 5/8" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 5-1/2".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1".

(CONDUIT) WALL PENETRATION DETAIL

SYSTEM NO. C-AJ-3095

ANSI/UL 1479 (ASTM E814)
F-RATING = 3-HR.
T-RATING = 0-HR. 1/2-HR AND 3/4-HR (SEE ITEM 3).



SECTION A-A

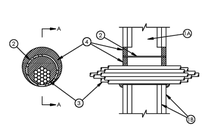
1. FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. (64 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE FLOOR OR MIN 3 IN. (76MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCK*. MAX DIAM OF OPENING IS 6 IN. (152 MM).
SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. SLEEVE - (OPTIONAL)-NOM 6 IN. (152 MM) DIAM (OR SMALLERSCHEDULE 10 (OR HEAVIER) STEEL PIPE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. FLUSH WITH FLOOR OR WALL SURFACES OR EXTENDING A MAX 3 IN. (76 MM) ABOVE THE FLOOR OR BOTH SURFACES OF THE WALL. THE ANNULAR SPACE BETWEEN THE SLEEVE AND THE FLOOR OR BOTH SURFACES OF THE WALL THE T RATING OF THE FIRESTOP SYSTEM IS 0 HR.
3. CABLES - AGGREGATE CROSS-SECTIONAL AREA OF CABLE IN OPENING TO BE MIN 25 PERCENT OF THE AGGREGATE CROSS-SECTIONAL AREA OF THE OPENING. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF METALLIC CONDUCTOR OR FIBER OPTIC CABLE MAY BE USED:
   A. MAX 500 KCMIL SINGLE COPPER CONNECTOR POWER CABLE WITH THERMOPLASTIC INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET. WHEN SINGLE COPPER CONDUCTOR POWER CABLE IS USED, T, FT, AND FTH RATING IS 0 HR.
   B. MAX 350 KCMIL SINGLE CONDUCTOR POWER CABLES WITH EITHER ALUMINUM OR COPPER CONDUCTORS AND CROSS-LINKED POLYETHYLENE (XPLE) INSULATION. WHEN SINGLE ALUMINUM CONDUCTOR POWER CABLE IS USED, T RATING IS 0 HR. WHEN SINGLE COPPER CONDUCTOR POWER CABLE IS USED, T, FT AND FTH RATING IS 1/2HR.
   C. MAX 300 PAIR NO. 24 AWG COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIAL. WHEN TELECOMMUNICATION CABLE IS USED, T, FT AND FTH RATING IS 0 HR.
   D. MAX THREE COPPER CONNECTOR NO. 6 AWG CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIAL. WHEN MULTI-CONNECTOR POWER CABLE IS USED, T RATING IS 0 HR.
   E. MAX 7/C COPPER CONDUCTOR NO. 12 AWG MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC OR CROSS-LINKED POLYETHYLENE (CPLE) INSULATION AND PVC JACKET. WHEN MULTICONDUCTOR POWER AND CONTROL CABLE IS USED, T, FT, FTH RATING IS 3/4 HR.
   F. MULTIPLE FIBER OPTICAL COMMUNICATION CABLES JACKETED WITH PVC AND HAVING MAX OUTSIDE DIAM OF 1/2 IN. WHEN FIBER OPTIC CABLE IS USED, T, FT AND FTH RATING IS 3/4 HR.
   G. MAX 3/C COPPER CONDUCTOR NO. 12 AWG WITH BARE ALUMINUM GROUND, POLYVINYL CHORIDE (PVC) INSULATED STEEL, METAL-CLAD CABLE*. WHEN MC CABLE IS USED, T FT AND FTH RATING IS 0 HR.
   AFC CABLE SYSTEMS INC
   H. MAX 3/C WITH GROUND AWG COPPER CONDUCTOR SER CABLE WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET. WHEN SER CABLE IS USED, T, FT AND FTH RATING IS 0 HR.
   I. MAX RG/U COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET HAVING A MAX OUTSIDE DIAMETER OF 1/2 IN. WHEN COAXIAL CABLE IS USED, T RATING IS 0 HR.
   J. FIRE RESISTIVE CABLES* - MAX 1-1/4 IN. (32 MM) DIAM SINGLE CONDUCTOR OR MULTI CONDUCTOR TYPE MI CABLE. A MIN 1/8 IN. (3MM) SEPARATION SHALL BE MAINTAINED BETWEEN MI CABLES AND ANY OTHER TYPE OF CABLE. WHEN FIRE RESISTIVE CABLES ARE USED, T FT AND FTH RATING IS 0 HR.
   K. THROUGH PENETRATION PRODUCT* - ANY CABLES, METAL-CLAD CABLE* OR ARMORED CABLE* CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY.
   SEE THROUGH PENETRATING PRODUCT (XHLY) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
4. PACKING MATERIAL-MIN 2 IN. (51 MM) THICKNESS OF MIN 4 PCF (64 KG/M3) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED 1/2 IN. (13 MM) FROM TOP SURFACE OF FLOOR OF FROM BOTH SURFACES OF WALL TO ACCOMMODATE THE FILL MATERIAL. IF THE STEEL SLEEVE (ITEM 2) EXTENDS ABOVE THE TOP OF THE FLOOR, THE PACKING MATERIAL SHALL BE FLUSH WITH THE BOTTOM SURFACE OF THE FLOOR.
5. FILL, VOID OR CAVITY MATERIAL*-SEALANT- MIN 1/2 IN (13MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.
6. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR cUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR cUL CERTIFICATION (SUCH AS CANADA,) RESPECTIVELY.

(OPEN CABLE) FLOOR PENETRATION DETAIL

SYSTEM NO. W-L-3065

ANSI/UL 1479 (ASTM E814)
F-RATING = 1-HR. OR 2-HR (SEE ITEM 1).
T-RATING = 0-HR AND 3/4-HR (SEE ITEM 3).
L-RATING AT AMBIENT = 15 CFM/SQ. FT.
L-RATING AT 400ºF = 8 CFM/SQ. FT.



SECTION A-A

1. WALL ASSEMBLY - THE 1 OR 2 FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS-WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM)LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* - NOM 5/8 IN (16 MM) THICK GYPSUM BOARD, WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. ANY OPENINGS IS 5-1/2 IN. [138 MM] WHEN SLEEVE (ITEM 2) IS EMPLOYED, MAX DIAM OF OPENING IS 4 IN. (102 MM) WHEN SLEEVE (ITEM 2) IS NOT EMPLOYED.
   THE F, FH RATINGS OF THE FIRESTOP SYSTEM SME EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.
2. METALLIC SLEEVE - (OPTIONAL) - NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR SCHEDULE 5 (OR HEAVIER) STEEL PIPE OR MIN 0.016 IN. THICK (0.41 MM. NO. 28 GA) GALV STEEL SLEEVE INSTALLED FLUSH WITH WALL SURFACES. THE ANNULAR SPACE BETWEEN STEEL SLEEVE AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (0MM, POINT CONTACT) TO MAX 1 IN. (25MM). WHEN SCHEDULE 5 STEEL PIPE OR EMT IS USED, SLEEVE ,AY EXTEND UP TO 18 IN. (457 MM) BEYOND THE WALL SURFACES. AS AN OPTION WHEN SCHEDULE 5 STEEL PIPE OR EMT IS USED, SLEEVE MAY EXTEND COMPLETELY BEYOND ONE WALL SURFACE. WHEN CABLE BUNDLE PENETRATES WALL ASSEMBLY AT AN ANGLE OF 45 DEGREES, NO METALLIC SLEEVE IS USED.
3. CABLES- AGGREGATE CROSS-SECTIONAL AREA OF CABLE IN OPENING TO BE MAX 45 PERCENT OF THE CROSS-SECTIONAL AREA OF THE OPENG. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPENING TO BE MIN 0 IN. (POINT CONTACT) TO MAX 1 IN. (25 MM). WHEN SLEEVE IS CONTINUOUS ON ONE SIDE OF WALL (SEE ITEM 2), THE CABLE FILL MAY BE 0 TO 45% AND THE MAX ANNULAR SPACE IS NOT LIMITED. CABLES TO BE RIGIDLY SUPPORTED ON ONE SIDES OF THE WALL ASSEMBLY. CABLE BUNDLE, USING CABLES DESCRIBED BELOW, MAY PENETRATE THE WALL AT AN ANGLE NOT GREATER THAN 45 DEGREES. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLES MAY BE USED:
   A. MAX 7/C NO. 12 AWG WITH POLYVINYL CHLORIDE (PVC) INSTALLATION AND JACKET.
   B. MAX 25 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC INSULATION AND JACKET.
   B1. MAX 4 PR NO. 22 AWG CAT 6 COMPUTER CABLES.
   C. TYPE RG/U COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND PVC JACKET HAVING A MAX OUTSIDE DIAMETER OF 1/2 IN. (13MM).
   C1. MAX RG 6/U COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
   D. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX OD OF 5/8 IN. (16MM).
   E. THROUGH PENETRATING PRODUCTS*-MAX THREE COPPER CONDUCTOR NO. 8 AWG. METAL-CLAD CABLE*.
   AFC CABLE SYSTEMS INC
   F. MAX 3/C (WITH GROUND) (OR SMALLER) NO. 8 AWG COPPER CONDUCTOR CABLE WITH PVC INSULATION AND JACKETING.
   G. MAX 3/4 IN. (19 MM) DIAM COPPER GROUND CABLE WITH OR WITHOUT A PVC JACKET.
   H. FIRE RESISTIVE CABLES*-MAX 1-1/4 IN. (32 MM) DIAM SINGLE CONDUCTOR OR MULTI CONDUCTOR TYPE MI CABLE. A MIN 1 IN. (25 MM) SEPARATION SHALL BE MAINTAINED BETWEEN MI CABLES AND ANY OTHER TYPES PF CABLE.
   I. MAX 4/C WITH GROUND 300 KCMIL (OR SMALLER) ALUMINUM SER CABLE WITH PVC INSULATION AND JACKET.
   J. THROUGH PENETRATING PRODUCT* - ANY CABLES, METAL-CLAD CABLE* OR ARMORED CABLE* CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY.
   K. MAXIMUM 3/C NO. 8 AWG METAL-CLAD CABLE.
   L. MAXIMUM 5/8 DIAM FIBER-OPTIC CABLE WITH PVC JACKET.
   FOR CABLE BUNDLE PENETRATING THE WALL ASSEMBLY AT AN ANGLE OF 45 DEGREES, THE T, FT, FTH RATINGS ARE 0 HR AND 1-HR FOR 1 AND 2-HR WALL ASSEMBLIES, RESPECTIVELY.
   SEE THROUGH PENETRATING PRODUCT (XHLY) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
4. FILL, VOID OR CAVITY MATERIAL* - SEALANT OR PUTTY - FILL MATERIAL APPLIED WITH THE ANNULUS, FLUSH WITH EACH END OF THE STEEL SLEEVE OR WALL SURFACE. FILL MATERIAL INSTALLED SYMMETRICALLY ON BOTH SIDES OF THE WALL. A WALL S/8 IN. (16 MM) THICKNESS OF SEALANT IS REQUIRED FOR THE 1 OR 2 HR F RATING. AN ADDITIONAL 1 IN. (13 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE INTERFACE OF SLEEVE WITH GYPSUM BOARD.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - CP601S, CP606, FS-ONE SEALANTS OR FA-ONE MAX INTUMESCENT SEALANTOR OR CP618 PUTTY
5. PACKING MATERIAL - (OPTIONAL , NOT SHOWN) - MINERAL WOOL FORMING MATERIAL MAY BE USED AS A BACKER FOR THE FILL MATERIAL (ITEM 4). WHEN USED, IF SHALL BE FIRMLY PACKED INTO ANNULAR SPACE WITHIN THE SLEEVE AS A PERMANENT FROM AND RECESSED FROM END OF SLEEVE TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR cUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR cUL CERTIFICATION (SUCH AS CANADA,) RESPECTIVELY.
+ BEARING THE UL LISTING MARK.

(OPEN CABLE) WALL PENETRATION DETAIL

COMPLETE BUILDING FIRE ALARM SYSTEM

CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION ALL ROUGH-IN BOXES FOR ALL DEVICES

CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTAL AND SHOP DRAWINGS FOR INSTALLATION INCLUDING ALL CALCULATIONS FOR APPROVAL AND RECEIVE EOR APPROVAL PRIOR TO COMMENCING WORK EFFORT

MONITORING COMPANY

BAY ALARM:
CONTRACTOR LICENSE # 80138
STATE OF CALIFORNIA # AC028

VOLTAGE DROP CALCULATIONS

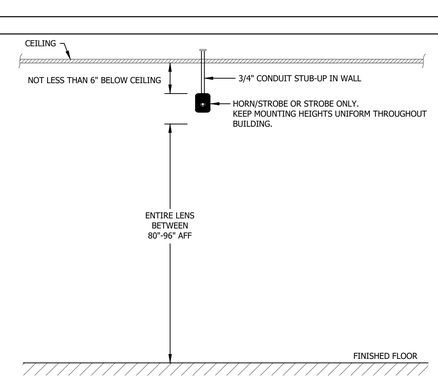
CALCULATION: $\frac{I \times FEET \times 21.6}{C.M.}$ = VOLTS DROPPED

I = TOTAL CIRCUIT CURRENT
THUS (VOLTAGE DROP) - APPLIED VOLTAGE (24 VOLTS) x 100(PERCENT) = PERCENT OF VOLTAGE DROP
FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE.
21.6 = FORMULA CONSTANT
C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

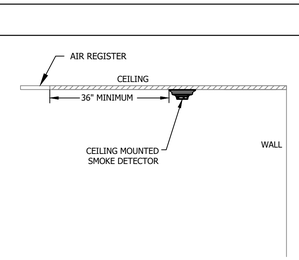
TYPE A	15CD STROBE 0.066	TYPE B	30CD STROBE 0.094	TYPE C	75CD STROBE 0.158

PANEL LEVEL	APPLIANCE CIRCUIT	NUMBER OF DEVICES	= TOTAL CURRENT	X DISTANCE IN FEET	X 21.6 ÷ CIRCULAR MILS	= VOLTS DROPPED	APPLIED VOLTS	100 PRECENT	= % OF VOLTAGE DROP
E3	NAC-1	TYPE C 4 X .107	.428	X 120'	X 21.6 ÷ 4110	= .269	÷ 24	X 100	= 1.12%



COMMON HORN/STROBE STROBE MOUNTING HEIGHT DETAIL 2

SCALE: NONE - E500 -



SMOKE DETECTOR MOUNTING DETAIL 1

SCALE: NONE - E500 -

REQUIRED NOTES

THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRIC CODE.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS. INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE CALIFORNIA DEPT. OF THE STATE ARCHITECT'S FIRE MARSHAL.

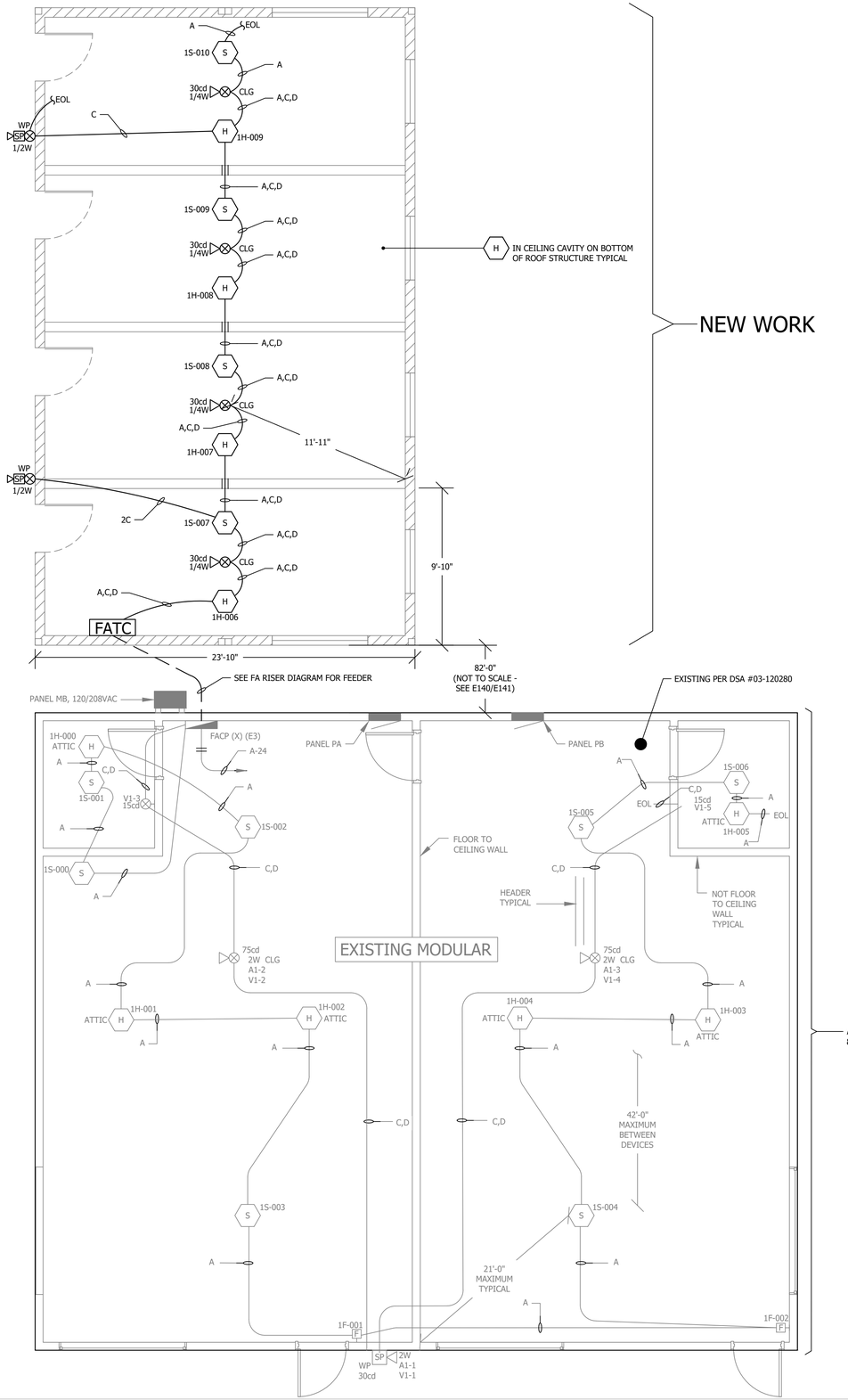
UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST (DSA IR A-21) OF THE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DSA INSPECTOR, OWNER AND ENGINEER OF RECORD.

A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION AND/OR TESTING.

ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES SHALL BE APPROVED BY DSA.

**



NEW EQUIPMENT SYMBOL LEGEND - FIRE ALARM

SYMBOL	DESCRIPTION
CLG	CEILING MOUNTED SPEAKER STROBE (NUMBER INDICATE WATTAGE OF SPEAKER & STROBE CANDELA)
WP SP	WALL MOUNTED WEATHERPROOF EXTERIOR SPEAKER (WP - INDICATES WEATHERPROOF)
S	CEILING MOUNTED SMOKE DETECTOR (BOTTOM OF T-BAR)
H	HEAT DETECTOR MOUNTED ABOVE CEILING (50 FOOT SPACING MAX)
	FIRE ALARM CONTROL PANEL (FACP) EXISTING
FATC	FIRE ALARM TERMINAL CABINET

ALL NEW CONDUIT SHALL BE RED IN COLOR AND 3/4" MINIMUM

SCALE: 1/4"=1'-0"
0 2' 4' 8'

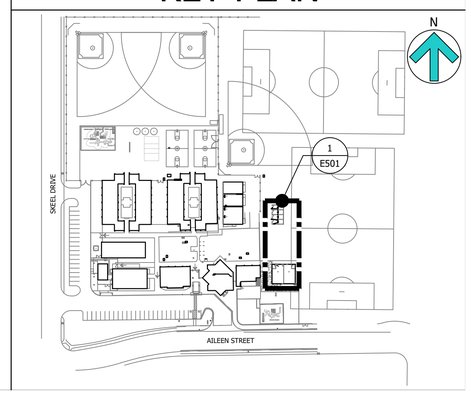
NEW MODULAR FA PLANS

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

1 / E501

N

KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P805.626.5330
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www.RNTarchitects.com

STAMP

REGISTERED PROFESSIONAL ENGINEER
KENNETH W. LUCCI
No. E-8149
Exp. 09/30/2026
ELECTRICAL
STATE OF CALIFORNIA

LUCCI & ASSOCIATES INC.
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PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name

NEW MODULAR FIRE ALARM PLAN

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI
Sheet Number	E501

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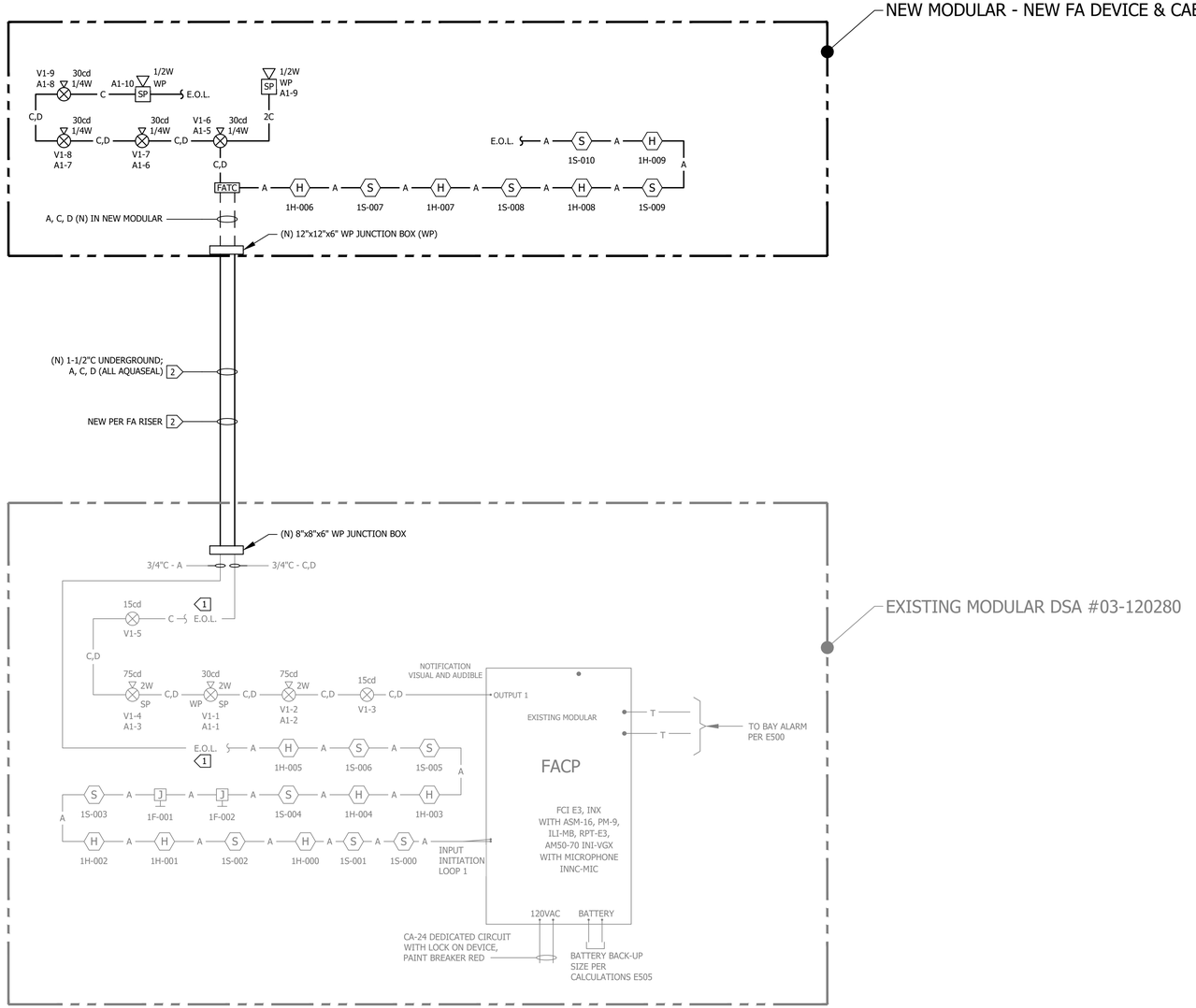
KEY NOTES:

1. REMOVE EOL AFTER COMPLETION & INSTALL CABLING PER PLAN.
2. PROVIDE IN NEW CONDUIT.



EXISTING & MODIFIED MODULAR FA RISER DIAGRAM

SCALE: NTS

1 - E502

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DATE: 03/03/2026

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LUCCI & ASSOCIATES INC.
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PLEASANT VALLEY SCHOOL DISTRICT

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FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name

FIRE ALARM SYSTEM RISER DIAGRAMS

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number

E502

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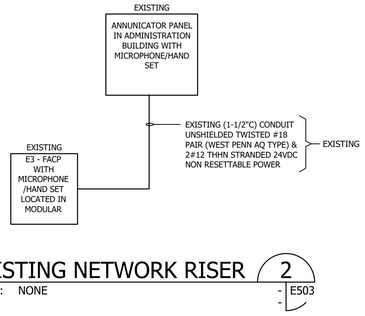
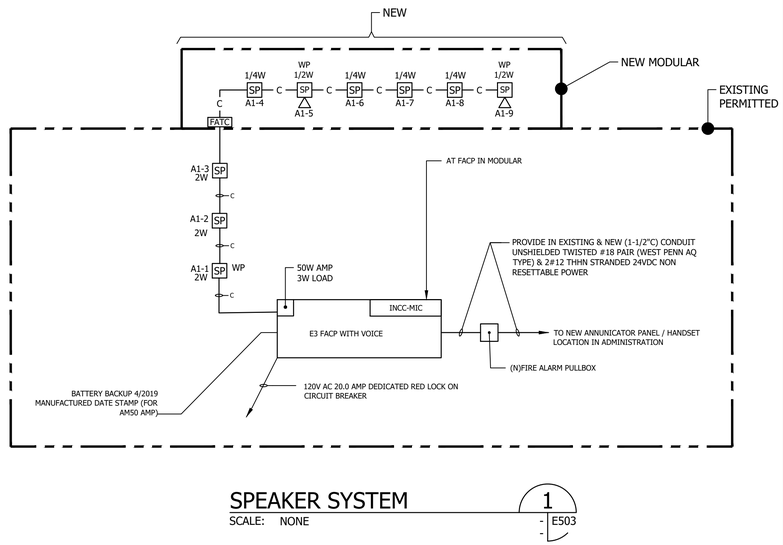


EXISTING NETWORK RISER 2

SCALE: NONE - E503



SPEAKER SYSTEM 1

SCALE: NONE - E503

System Power Requirements

E3 Fire Alarm Control Panel with Broadband

Protected Premises: Cape School facp - modular Date: 11/11/2025
Address: 777 Aileen Street
City: Camarillo State: CA Zip: 93012

Prepared By: Phone:
Address: Email:
City: State: Zip:

Secondary Load Requirements **26.02** Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.858 A		24 hours	20.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.331 A		0.250 hours	1.08
		Total Secondary Load	21.68
		Derating factor	x 1.20
		Secondary Load Requirements	**26.02 AH**

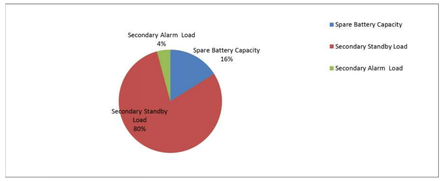
Battery Selection **31.00** Amp Hours REPLACE BATTERY WITH NEW

Select batteries from the list

31 AH Battery (12 volt)

Battery Distribution Chart

Shows amp-hour distribution of your selections.



Spare Battery Capacity	4.98 Amp Hours
Secondary Standby Load	24.72 Amp Hours
Secondary Alarm Load	1.30 Amp Hours

System Current Draw

E3 Series Control Panel with Broadband

11-10-2025

	Total Standby		0.858 A	Total Alarm		4.331 A	
	Standby Current			Alarm Current			
Device	**Qty**		**Draw**	**Standby**	**Qty**		**Draw**	**Alarm**
1. System Device								
Intel. Loop Interface, Main Board (ILI-MB-E3)	1	x	0.08100	0.08100	1	x	0.15000	0.15000
Intel. Loop Interface Supplement Board (ILI-S-E3)	0	x	0.08100		0	x	0.15000	
Intel. Loop Interface Main Board - Apollo (ILI95-MB-E3)	1	x	0.05000	0.05000	1	x	0.09100	0.09100
Intel. Loop Interface Supplement Board - Apollo (ILI95-S-E3)	1	x	0.05000	0.05000	1	x	0.09100	0.09100
7100 Panel, 1 SLC	0	x	0.05600		0	x	0.07600	
7100 Panel, 1 SLC with DACT	0	x	0.07500		0	x	0.09500	
7100 Panel, 2 SLC	0	x	0.06500		0	x	0.08500	
7100 Panel, 2 SLC with DACT	0	x	0.08500		0	x	0.10500	
2. E3 Optional Modules								
120V Power Supply Sub-Assembly (PM-9)	1	x	0.05000	0.05000	1	x	0.05000	0.05000
240V Power Supply Sub-Assembly (PM-9G)	0	x	0.02700		0	x	0.05000	
LCD Display & Switch Control (LCD-E3)	1	x	0.02400	0.02400	1	x	0.02800	0.02800
ARCNET Repeater (RPT-E3)	1	x	0.01300	0.01300	1	x	0.01300	0.01300
Digital Communicator (DACT-E3)	1	x	0.01800	0.01800	1	x	0.01800	0.01800
Optional Remote Serial Annunicator (LCD-7100)	1	x	0.05000	0.05000	1	x	0.07500	0.07500
Network LCD Annunicator (NGA)	0	x	0.20000		0	x	0.20000	
Auxiliary Switch Sub-Assembly (ASM-16)	0	x	0.01100		0	x	0.01100	
Remote LED Driver Module (ANU-48)	1	x	0.01100	0.01100	1	x	0.01100	0.01100
Addressable Node Expander (ANX)	1	x	0.06500	0.06500	1	x	0.06500	0.06500
3. 7100 Optional Modules								
Intelligent Network Inferface Module (INI-7100)	0	x	0.04000		0	x	0.04000	
Printer Transient Module (PTRM)	0	x	0.02000		0	x	0.02000	
Remote LED Driver Module (LDM-7100)	0	x	0.03500		0	x	0.20000	
Class A Option Module (CAOM)	0	x	0.00100		0	x	0.00100	
Municipal Circuit Option Module (MCOM)	0	x	0.00100		0	x	0.00100	
4. INI-VGC Command Center								
Intel. Network Command Center (INI-VGC)	0	x	0.15000		0	x	0.15000	
Addressable Switch Sub-assembly (ASM-16)	0	x	0.01100		0	x	0.01100	
Voice Paging Microphone (Microphone)	0	x	0.00100		0	x	0.00100	
Firefighter's Telephone (Handset)	0	x	0.02000		0	x	0.02000	
Addressable Output Module-Telephone (AOM-TEL)	0	x	0.00200		0	x	0.00650	
5. INI-VGX Voice Gateway								
Intel. Network Voice Gateway (INI-VGX)	1	x	0.15000	0.15000	1	x	0.15000	0.15000
120V Power Supply Sub-Assembly (PM-9)	1	x	0.05000	0.05000	1	x	0.05000	0.05000
240V Power Supply Sub-Assembly (PM-9G)	0	x	0.02700		0	x	0.05000	
Amplifier Sub-assembly, 50 watt 25V (AM-50)	1	x	0.08600	0.08600	1	x	2.20600	2.20600
Amplifier Sub-assembly, 50 watt 70V (AM-50-70)	0	x	0.04900		0	x	2.30000	
Addressable Output Module-Signal (AOM-2SF)	1	x	0.00200	0.00200	1	x	0.00650	0.00650
Addressable Output Module-Telephone (AOM-TEL)	0	x	0.00200		0	x	0.00650	
Addressable Output Module-Audio (AOM-MUX)	0	x	0.00200		0	x	0.00650	
6. INI-VGE Command Center Voice Gateway								
Intel. Network Command Voice Gateway (INI-VGE)	1	x	0.15000	0.15000	1	x	0.15000	0.15000
Addressable Switch Sub-assembly (ASM-16)	0	x	0.01100		0	x	0.01100	
Voice Paging Microphone (Microphone)	1	x	0.00100	0.00100	1	x	0.00100	0.00100
Firefighter's Telephone (Handset)	0	x	0.02000		0	x	0.02000	
Addressable Output Module-Signal (AOM-2SF)	1	x	0.00200	0.00200	1	x	0.00650	0.00650
Addressable Output Module-Telephone (AOM-TEL)	0	x	0.00200		0	x	0.00650	
Addressable Output Module-Audio (AOM-MUX)	0	x	0.00200		0	x	0.00650	
7. Smoke Detectors/Modules								
UPDATED Smoke Detector/Module 1	11	x	0.00020	0.00220	11	x	0.00300	0.03300
heat detector module	10	x	0.00030	0.00300	10	x	0.00300	0.03000 UPDATED
Smoke Detector/Module 3	0	x	0.00000		0	x	0.00000	
Smoke Detector/Module 4	0	x	0.00000		0	x	0.00000	
Smoke Detector/Module 5	0	x	0.00000		0	x	0.00000	
Smoke Detector/Module 6	0	x	0.00000		0	x	0.00000	
Smoke Detector/Module 7	0	x	0.00000		0	x	0.00000	
Smoke Detector/Module 8	0	x	0.00000		0	x	0.00000	
Smoke Detector/Module 9	0	x	0.00000		0	x	0.00000	
Smoke Detector/Module 10	0	x	0.00000		0	x	0.00000	
8. Notification Appliances								
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
SPSW15	2	x	0.00000	0.00000	2	x	0.06600	0.13200
SPSCW75	2	x	0.00000	0.00000	2	x	0.15800	0.31600
SPSRK30	3	x	0.00000	0.00000	3	x	0.09400	0.28200 UPDATED
SPSCW30	4	x	0.00000	0.00000	4	x	0.09400	0.37600
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
			Total Standby Load:	**0.858 A**			**Total Alarm Load:**	**4.331 A** UPDATED

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DATE: 03/03/2026

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REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E-13149 Exp. 09/30/2026 ELECTRICAL STATE OF CALIFORNIA

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PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING
FB-26-15
777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name

FIRE ALARM BATTERY CALCULATIONS

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number

E503

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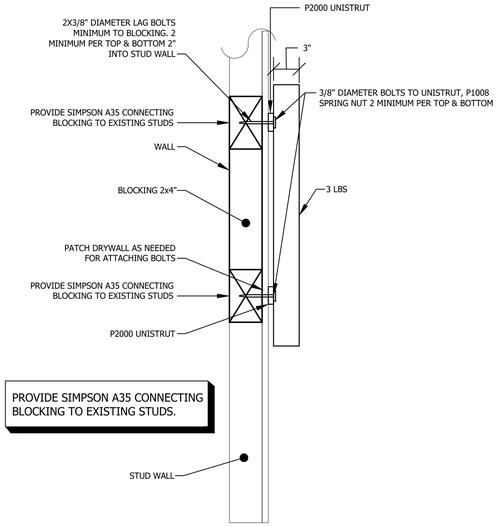
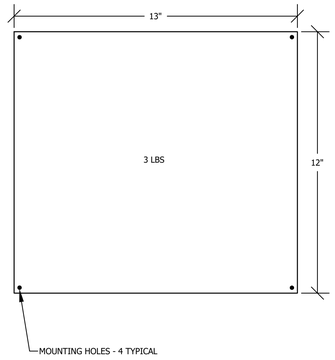




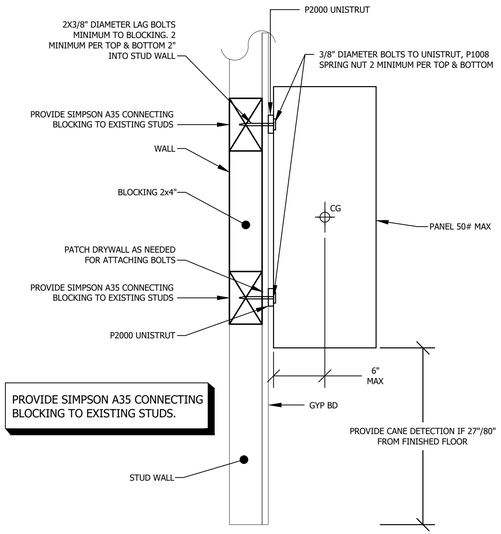
SIDE VIEW

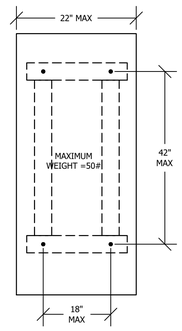
FRONT VIEW

FA DOCUMENT CABINET (12" x 13" x 3")

SCALE: NONE

6 | E600





SIDE VIEW

FRONT VIEW

FIRE ALARM PANEL ANCHORAGE WOODEN WALL - SURFACE

SCALE: NONE

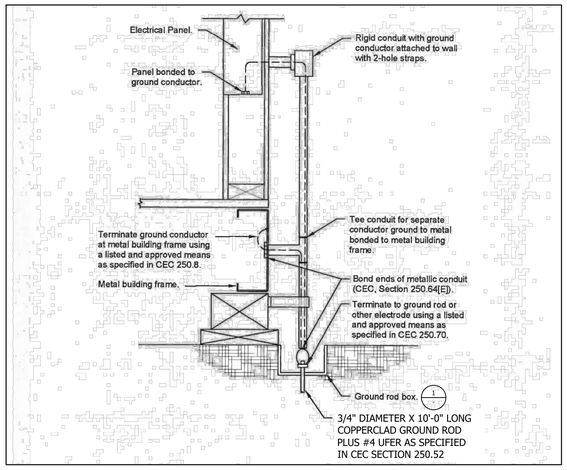
5 | E600

NOTES:

1. Size of conductors shall comply with CEC, Table 250.66.
2. Bond separate conductors from ground rod to electrical panel and to metal building frame. In addition to the detail shown above, bond the electrical ground to metal underground water pipe in direct contact with the earth for 10 ft. or more, if available. (CEC, § 250.52)
3. All modules of metal frame buildings shall be electrically bonded together. (Bolting only is not acceptable bonding.)
4. Check resistance to ground. If resistance exceeds 25 ohms, install additional ground rod six feet or greater away. Once the second ground rod is installed, additional ground resistance testing is not required. (CEC, § 250.53[A]&[B])
5. Where modular buildings are grouped together, a ground rod may be installed at the end buildings and a ground ring may be installed between them. Each intermediate modular building may be grounded to that ground ring. Where this method is used, ground resistance testing shall not be required. (CEC, § 250.52[A][4])
6. Where modular buildings are installed on concrete foundations, a concrete-encased electrode (Ufer) ground shall be installed in the footing per CEC Section 250.52(A)(3).
7. Other grounding methods identified in CEC Article 250 shall be acceptable means to achieve adequate grounding of metal buildings in compliance with the above.

All metal building components must be electrically bonded together, and each building must be independently grounded. Multiple buildings are not to be grounded through the electrical system. All grounding systems are to be tested with a low-resistance ohmmeter, or in an otherwise acceptable manner. Refer to CEC Section 250.52 for specific grounding requirements.

Grounding tests are to be observed and reported by the Project Inspector in their semi-monthly report (form DSA 155).



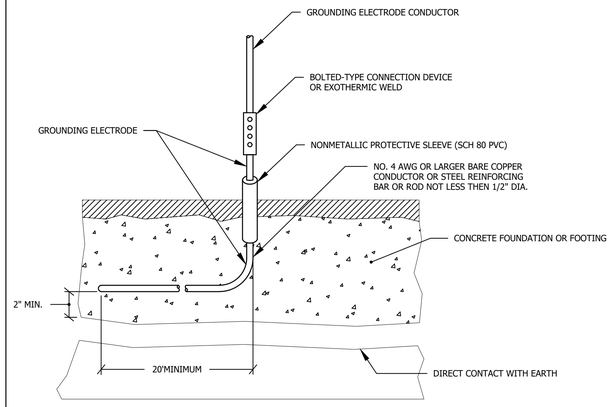
GROUNDING OF MODULAR BUILDING

SCALE: NONE

4 | E600

DETAIL NOTES:

1. CONCRETE-ENCASED ELECTRODE: AN ELECTRODE ENCASED BY AT LEAST 2 INCHES (50.8MM) OF CONCRETE. LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20 FEET (6.1 M) OF ONE OR MORE BARE OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 1//2 INCH (12.7 MM) DIAMETER, OR CONSISTING OF AT LEAST 20 FEET (6.1 M) OF BARE COPPER CONDUCTOR NOT SMALLER THAN NO. 4, SEE PLANS FOR SIZE OF CONDUCTOR IF GREATER THEN #4.



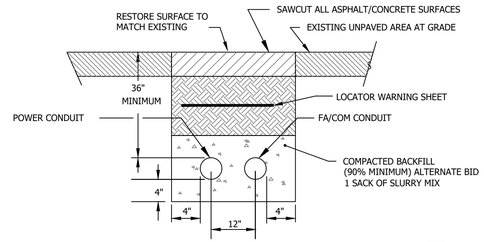
UFER GROUND DETAIL

SCALE: NONE

3 | E600

DETAIL NOTES:

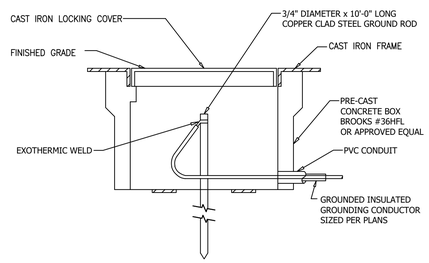
1. ALL CONDUITS TO BE PROVIDED WITH METERED PULLWIRES THEIR ENTIRE LENGTH.
2. ALL CONDUITS BENDS SHALL BE FACTORY BENDS WITH MINIMUM 12 TIMES DIAMETER. BEND RADIUS.
3. ALL CONCRETE TO BE 5 SACK MIX OR 2000psi
4. ALL FEEDERS TO BE PER ELECTRICAL SINGLE LINE SHEET E200 & E150.



DUCTBANK SECTION

SCALE: NONE

2 | E600



GROUND WELL DETAIL

SCALE: NONE

1 | E600

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DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P805.626.5330
F805.626.5350
www.RNTarchitects.com

STAMP

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E-8149 Exp. 09/30/2026 ELECTRICAL STATE OF CALIFORNIA

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
PHONE (805) 389-6520 FAX (805) 389-6519

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PLEASANT VALLEY SCHOOL DISTRICT

VALLE LINDO ELEMENTARY RELOCATABLE BUILDING

FB-26-15

777 AILEEN ST.
CAMARILLO, CA 93010

DSA SUBMITTAL
03-125745

No.	Description	Date

Sheet Name

ELECTRICAL DETAILS

Project No.	24-833
Date	11/26/2025
Drawn by	I.T./D.S./L.K.
Checked by	K. LUCCI

Sheet Number

E600

Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission. L.A.I.# 24-833 PAPER SIZE 36"x24"

DRAWING: G:\24\833\EL\Sheets\24-833 E600.dwg DRAFTER: CM02 DRAWING FILENAME: 24-833 E600 PATHNAME: G:\24\833\EL\Sheets SAVE DATE: 11/25/2025 1:47:32 PM PLOT BY: CM02 DATE: 28 January 2026 TIME: 2:28 pm PLOT DATE: 1/28/2026 2:28:05 PM
Drafter:CM02 Paper Size: 12.9
Drawing:G:\24\833\EL\Sheets\24-833 E600.dwg
Date and Time Plotted:
Attached XREFS:
date:11/25/2025 1:47:32 PM G:\24\833\EL\Sheets\24-833 E600.dwg

MODULAR BUILDING
SIZE: 24' x 40'

BASED ON: PC 04-121999

BY

SILVER CREEK MODULAR, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571

PHONE: (951) 943-5393 | FAX: (951) 943-2211

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
PROJECT #11629

SHEET INDEX - PROJECT SPECIFIC

SHEET	ARCHITECTURAL
A-0N	COVER SHEET
A-0.2N	SCHEDULES
A-0.54N	DESIGN ENERGY VALUES - WOOD FLOOR - WALL HVAC
A-1.01N	FLOOR PLAN - 24' x 40'
A-2.01N	REFLECTED CEILING PLAN - 24' x 40'
A-4.01N	EXTERIOR ELEVATIONS - 24' x 40' - MONO OR DUAL SLOPE
A-5.50N	ARCHITECTURAL DETAILS - SOUND BARRIER
A-6.01N	INTERIOR ELEVATIONS - 24' x 40'

SHEET	MECHANICAL
M-0N	COVER SHEET - LEGEND/SYMBOLS
M-1N	MECHANICAL PLAN

SHEET	ELECTRICAL
E-1.01N	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'

SHEET	RAMP
R-1.01N	RAMP LANDING

SHEET INDEX - PC 04-121999

SHEET	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
A-0B	T & I FORMS
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'
A-0.53	DESIGN ENERGY VALUES - WOOD FLOOR - WALL HVAC
A-0.6A	CERTIFICATE OF COMPLIANCE FORMS
A-0.6B	CERTIFICATE OF COMPLIANCE FORMS
A-0.6C	CERTIFICATE OF COMPLIANCE FORMS
A-0.7	PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CALGREEN SPEC'S
A-1.01	FLOOR PLAN - 24' x 40'
A-2.01	REFLECTED CEILING PLAN - 24' x 40'
A-2.20	CEILING DETAILS - T-GRID
A-3.01	ROOF PLAN - 24' x 40' - METAL DECK - MONO OR DUAL SLOPE
A-3.50	ROOF DETAILS - STANDING SEAM ROOF DECK
A-4.01	EXTERIOR ELEVATIONS - 24' x 40' - MONO OR DUAL SLOPE
A-5.02	CROSS SECT. - DUAL SLOPE
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - SHTG
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - 24' x 40'

SHEET	FOUNDATION
F-0.02	WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)
F-0.50	FOUNDATION DETAILS - WOOD

SHEET	STRUCTURAL
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.11	ROOF FRAMING PLAN - DUAL SLOPE
S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
S-2.60	ROOF FRAMING DETAILS
S-2.90	ROOF FRAMING DETAILS - TRUSS
S-3.02	BUILDING SECTION - DUAL SLOPE
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS

SHEET	MECHANICAL
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS

SHEET	ELECTRICAL
E-1.01	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'

SHEET	RAMP
R-1.01	RAMP LANDING
R-1.03	RAMP LANDING
R-1.04	STANDARD LANDING WITH STEPS
R-2.01	RAMP DETAILS

TOTAL SHEETS (54)

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DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:

COVER SHEET

REVISIONS

1
2
3
4
5

Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2975
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 08/13/2025

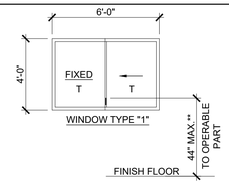
SHEET NUMBER

A-0N

WINDOW SCHEDULE

WINDOW NO.	TYPE	SIZE		FRAME MAT.	OPERABLE	MAX U-FACTOR	REQUIRED SHGC	MIN VT	NFRC RATED	GLASS SPECS	NOTES
		WIDTH	HEIGHT								
A	1	6'-0"	4'-0"	ANOD	YES	0.520	0.350	0.610	YES	DP	
B	2	4'-0"	4'-0"	ANOD	YES	0.520	0.350	0.610	YES	DP	

WINDOW TYPE



DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	LOCKABLE FROM INT.	NOTES*
1	3'-0"	7'-0"	A	4	HM	WF	HW - 1	YES	90° SWING

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	NOTES
ROOM 101	CARP	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	
ROOM 102	CARP	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	
ROOM 103	CARP	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	
ROOM 104	CARP	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	

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DATE: 03/03/2026

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:

SCHEDULES

REVISIONS

1
2
3
4
5

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24775
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 08/13/2025

SHEET NUMBER

A-0.2N

Project Name: Valle Lindo ES 24x40 **Date Prepared:** 2025-08-19

A. General Information

1	Project Name	Valle Lindo ES 24x40			
2	Run Title				
3	Project Location	777 AILEEN ST.			
4	City	CAMARILLO	5	Standards Version	Compliance 2022
6	Zip code	93010	7	Compliance Software (version)	CBECC 2022.3.0 (1302)
8	Climate Zone	6	9	Building Orientation (deg)	0
10	Building Type(s)	• Relocable Public School Building for use in all climate zones Occupancy: E	11	Weather File	TORRANCE-MUNI-AP_SYYP20.epw
12	Project Scope	• New complete scope	13	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft²)	960	15	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	0	17	Fuel Type	Natural gas
18	Nonresidential Conditioned Floor Area	960	19	Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0			

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance					Building Components Complying Prescriptively	
Envelope (See Table C)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐ Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒ Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐ Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒ Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Not Included	Covered Process: Laboratory Exhaust (see Table J)	☐ Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒ Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☐ Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☒ Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	☐ Performance	Commissioning 120.8	NRCC-CXR-E is required
				☒ Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

C1. COMPLIANCE SUMMARY

	COMPLIES[1]		
	Time Dependent Valuation (TDV)		Source Energy Use
	Efficiency[2] (kBtu/ft² - yr)	Total[3] (kBtu/ft² - yr)	Total[3] (kBtu/ft² - yr)
Standard Design	269.23	269.23	22.39
Proposed Design	146.66	146.66	12.14
Compliance Margins	**122.57**	**122.57**	**10.25**
	Pass	**Pass**	**Pass**

[1] Efficiency measures include improvements like a better building envelope and more efficient equipment
[2] Compliance Totals include efficiency, photovoltaics and batteries
[3] New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

	COMPLIES[1]		
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[2]
Space Heating	13.25	25.91	-12.66
Space Cooling	69.09	45.1	23.99
Indoor Fans	136.3	37.04	99.26
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	13.22	13.22	0
Indoor Lighting	37.37	25.39	11.98
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**269.23**	**146.66**	**122.57 (45.5%)**
Photovoltaics	---	---	---
Batteries	---	---	---
TOTAL COMPLIANCE	**269.23**	**146.66**	**122.57 (45.5%)**

[1] Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[2]
Receptacle	106.22	106.22	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**375.45**	**252.88**	**122.57 (32.6%)**

[1] Notes: This table is not used for Energy Code Compliance.

C4. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)

	COMPLIES[1]		
Energy Component	Standard Design [SOURCE]	Proposed Design [SOURCE]	Compliance Margin [SOURCE][2]
Space Heating	1.93	3.81	-1.88
Space Cooling	3.04	1.53	1.51
Indoor Fans	13.34	3.62	9.72
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	1.25	1.25	0
Indoor Lighting	2.83	1.93	0.9
Flexibility			
EFFICIENCY COMPLIANCE TOTAL	**22.39**	**12.14**	**10.25 (45.8%)**
Photovoltaics	---	---	---
Batteries	---	---	---
TOTAL COMPLIANCE	**22.39**	**12.14**	**10.25 (45.8%)**

[1] Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design [SOURCE]	Proposed Design [SOURCE]	Compliance Margin [SOURCE][2]
Receptacle	7.54	7.54	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**29.93**	**19.68**	**10.25 (34.2%)**

[1] Notes: This table is not used for Energy Code Compliance.

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

C7. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	0.4	0.8	-0.4	---	---	---
Space Cooling	2.3	1.4	0.9	---	---	---
Indoor Fans	4.6	1.3	3.3	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	0.5	0.5	0	---	---	---
Indoor Lighting	1.4	1	0.4	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	**9.2**	**5**	**4.2**	**0**	**0**	**0**
Photovoltaics	---	---	---	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	**9.2**	**5**	**4.2**	**0**	**0**	**0**
Receptacle	4.1	4.1	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	---	---	---	---	---	---
Process Motors	---	---	---	---	---	---
ENERGY USE TOTAL	**13.3**	**9.1**	**4.2**	**0**	**0**	**0**

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft² / yr)	Proposed Design (kBtu/ft² / yr)	Margin (kBtu/ft² / yr)	Margin Percentage
GROSS EUI[1]	47.27	32.34	14.93	31.58
NET EUI[1]	47.27	32.34	14.93	31.58

[1] Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

D1. EXCEPTIONAL CONDITIONS

- The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.
- The building does not include service water heating. Verify that service water heating is not required and is not included in the design.
- Project is claiming Exception 2 to Section 140.10(a): No PV system is required where the required PV system size is less than 4 kWdc.
- Project is claiming Exception 2 to Section 140.10(b): No battery storage system is required in buildings with battery storage system requirements with less than 10 kWh rated capacity.
- Project is claiming Exception 3 to Section 140.10(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft2.

D2. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
North-Facing[1]	264	24	9.09
East-Facing[2]	448	64	14.29
South-Facing[3]	264	24	9.09

Notes
[1]North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),
[2]East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),
[3]South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),
[4]West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
West-Facing[4]	448	0	0
Total	**1424**	**112**	**7.87**
Roof	960	0	0

Notes
[1]North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),
[2]East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),
[3]South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),
[4]West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW).

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
BuildingStory 1	Air barrier - not verified

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
SCI PLYWD FLOOR	Exterior Floor	960	Metal	19	N/A	N/A	U-factor	0.0544	Vented Crawl Space SCI - STL JOIST FLOOR R-19 >16 OC Plywood - 1 in. Linoleum/Cork tile - 1/4 in.	N
2x6 T111 WALL	Exterior Wall	1,424	Wood	19	N/A	N/A	U-factor	0.0619	Wood siding - 1/2 in. Vapor seal - plastic film - 1/16 in. SCI - 2x6 WD STUD WALL R-19 16 OC Gypsum Board - 1/2 in. Acoustic Tile - 1/2 in.	N
SCI MTL ROOF	Roof	960	Metal	30	N/A	N/A	U-factor	0.0554	Metal Standing Seam - 1/16 in. Building Paper - 1/16 in. Plywood - 3/4 in. SCI - STL JOIST ROOF R-30 Air - Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	N

[1] Status: N - New, A - Altered, E - Existing

G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	Area (ft²)	Overall U-factor	Status[1]
SCI - STD HM DOOR	84	1.45	N

[1] Status: N - New, A - Altered, E - Existing

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method[1]	Assembly Method	Area (ft²)	Overall U-factor	Overall SHGC	Overall VT	Status[2]
NFRC #INT-A-73-00213-00011	Vertical fenestration Operable window N/A	NFRC	Site built	112	0.52	0.35	0.61	N

[1] Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.
[2] Status: N - New, A - Altered, E - Existing

H3. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling				Status[1]
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	
Split-sys	Single Zone Heat Pump (SZHP) Air System	1	48	0	COP HSPF	3.6 10.3	45	EER SEER	10.5 19.7	No Economizer	N

[1] Status: N - New, A - Altered, E - Existing

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status[1]
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
Split-sys	1	144	1,600	0.25	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

[1] Status: N - New, A - Altered, E - Existing

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(k)[1]	Other Special Features and Controls
Split-sys	Single Zone Heat Pump (SZHP) Air System	No	

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E
[1] Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ThermalZone 101	Office - Office space	4.8	144	0	960	N/A

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtu/h)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
TerminalUnit 101	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

01	02	03	04	05	06
Occupancy Type[1]	Conditioned Floor Area[2] (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Office (250 square feet)	960	424	0	0	0
Building Totals	**960**	**424**	**0**	**0**	**0**

[1] See Table 140.6-C
[2] See NRCC-LTI-E for unconditioned spaces
[3] Lighting information for existing spaces modeled is not included in this table

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.5 w/ft² in offices)

01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
SCI - 2x4 LED	---	53	According to	8	424

If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS

Lighting Control Credits Schedule (Includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)

01	02	03	04	05	06	07	08	09
Area Description	Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
Office 101	Office (250 square feet)	N/A	N/A	SCI - 2x4 LED	53	2	106	0
Office 102	Office (250 square feet)	N/A	N/A	SCI - 2x4 LED	53	2	106	0
Office 103	Office (250 square feet)	N/A	N/A	SCI - 2x4 LED	53	2	106	0
Office 104	Office (250 square feet)	N/A	N/A	SCI - 2x4 LED	53	2	106	0
						Lighting Control Credits (Conditioned) Total (Watts)		0

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

See NRCC-LTI-E for mandatory controls

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATCP).

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC
Mechanical	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
Mechanical	NRCA-MCH-19-A Occupancy Sensor Controls

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Mechanical	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

T-24 PRF FORM

REVISIONS

1
2
3
4
5

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

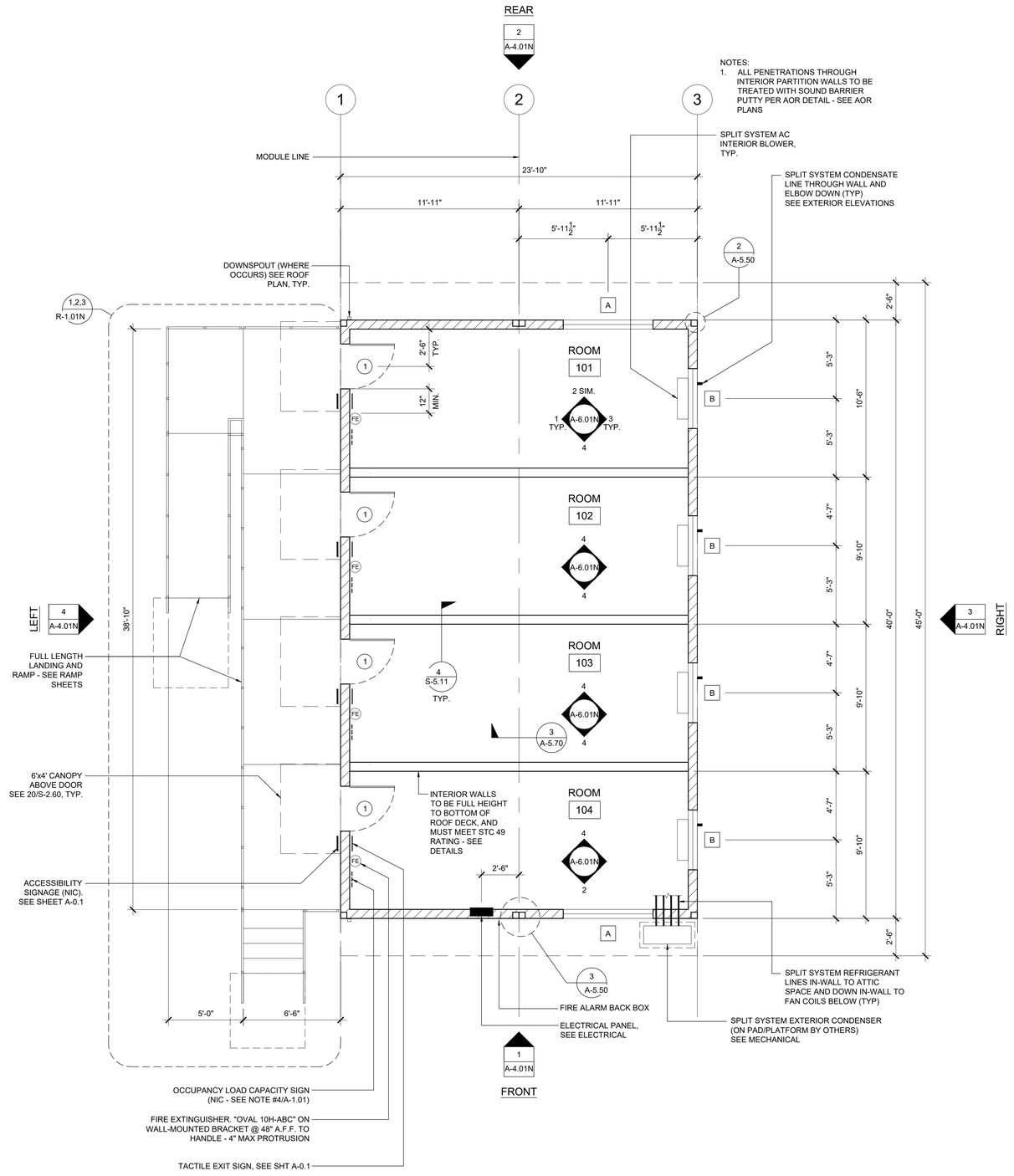
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 29757 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 08/13/2025

SHEET NUMBER

A-0.54N



FLOOR PLAN

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

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DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:

FLOOR PLAN
24' x 40'

REVISIONS

1	
2	
3	
4	
5	

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

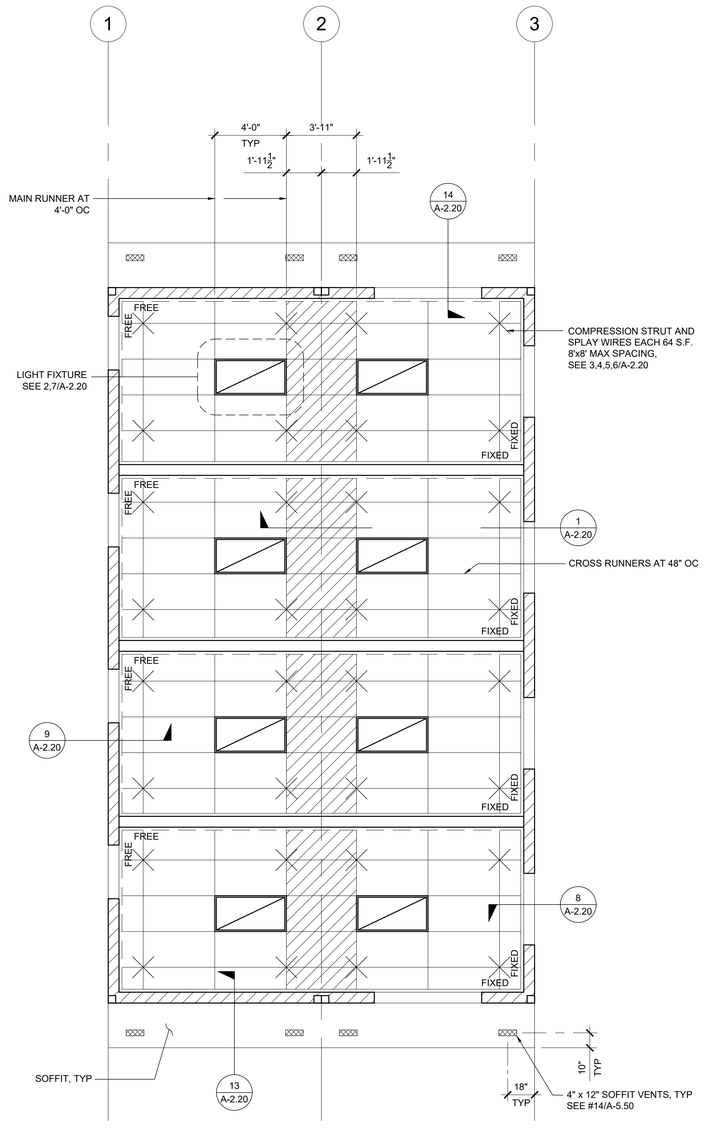
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24775
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES	24' x 40'
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

A-1.01N



REFLECTED CEILING PLAN

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

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

REFLECTED CEILING PLAN 24'X40'

REVISIONS

1	
2	
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Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

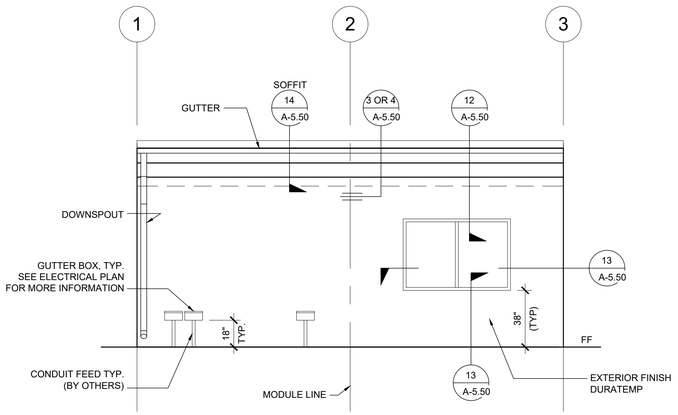
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24475
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

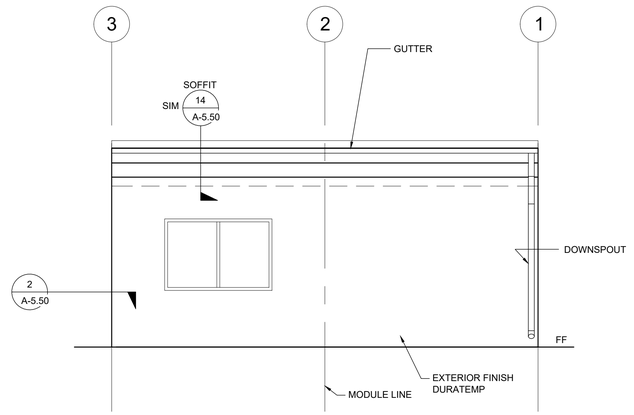
A-2.01N



1

EXTERIOR ELEVATION

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



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EXTERIOR ELEVATION

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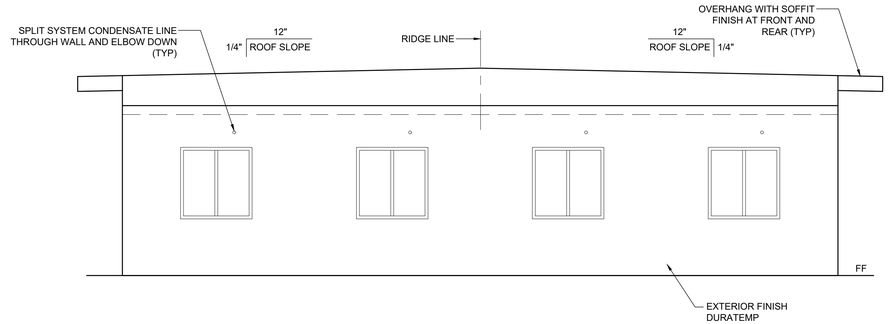
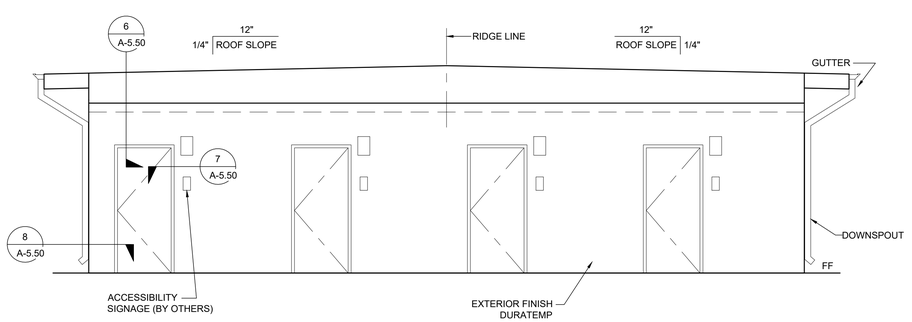


3

EXTERIOR ELEVATION

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



4

EXTERIOR ELEVATION

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

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DATE: 03/03/2026

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

EXTERIOR ELEVATION
24' X 40'
MONO / DUAL SLOPE

REVISIONS

1	
2	
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4	
5	

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

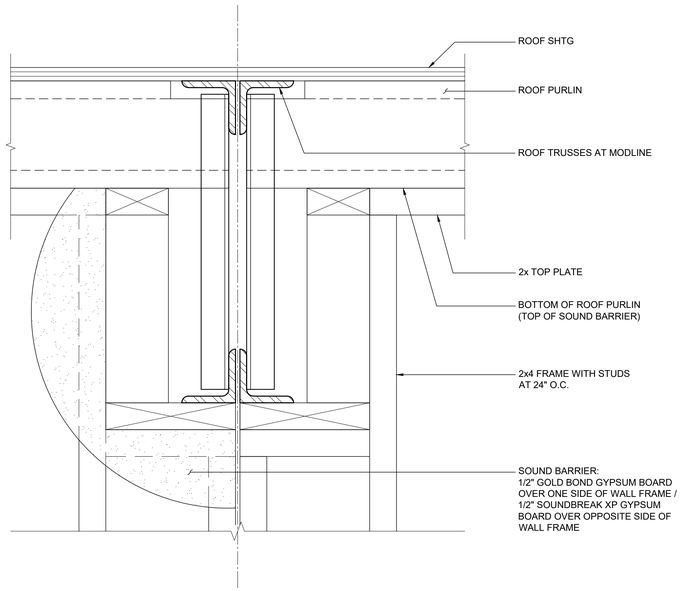
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24775
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES 24' x 40'	
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

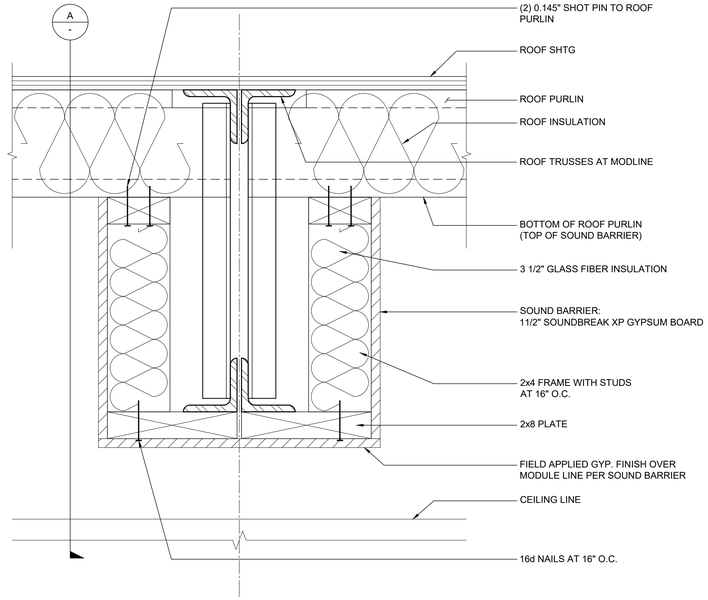
A-4.01N



C

INTERIOR WALL FRAMING AT MODLINE

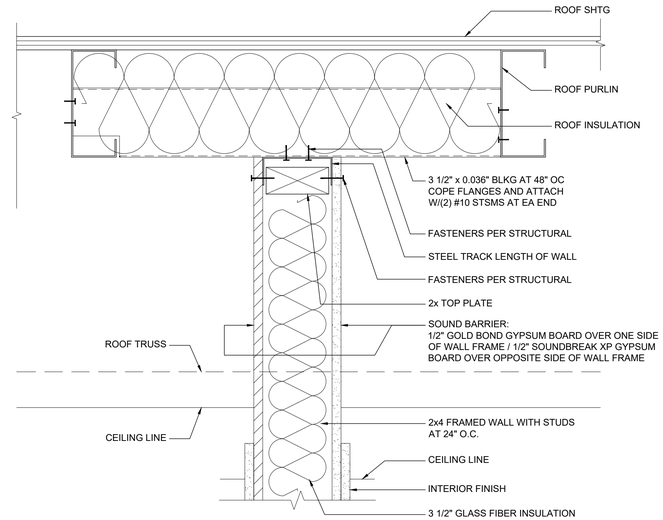
SCALE : 3" = 1'-0"



B

TRUSS WRAPPING AT MODLINE

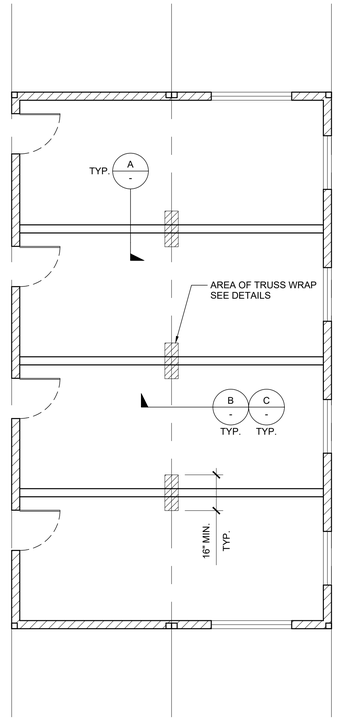
SCALE : 3" = 1'-0"



A

INTERIOR WALL AT MODLINE

SCALE : 3" = 1'-0"



KEY PLAN

SCALE : 3" = 1'-0"

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ARCHITECTURAL DETAILS
SOUND BARRIER

REVISIONS

1
2
3
4
5

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

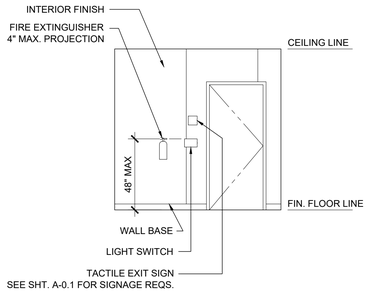
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24276
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

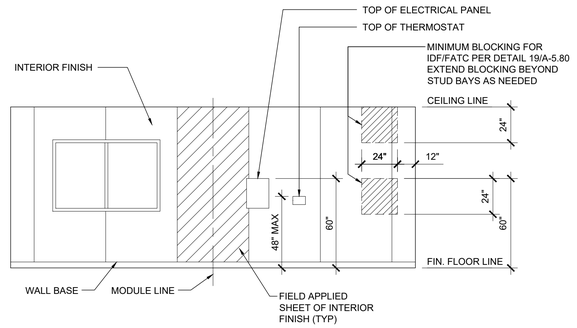
A-5.50N



1

INTERIOR ELEVATION

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



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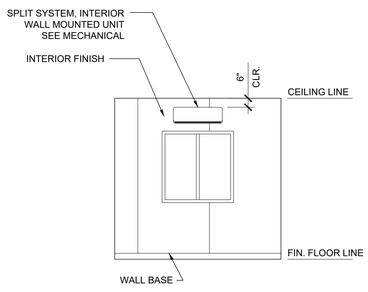
INTERIOR ELEVATION

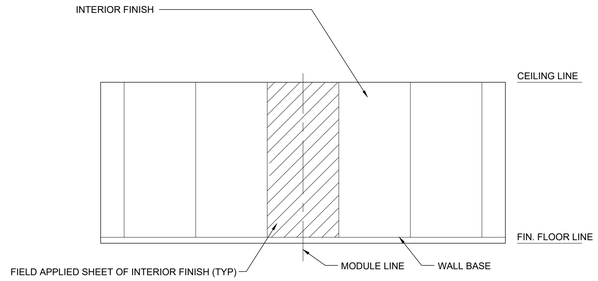
SCALE : 1/4" = 1'-0"



3

INTERIOR ELEVATION

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



4

INTERIOR ELEVATION

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

INTERIOR ELEVATION
24' x 40'

REVISIONS

1
2
3
4
5

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2476
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

A-6.01N

PLEASANT VALLEY - VALLE LINDO ELEMENTARY
24' x 40' BUILDING
HVAC

EQUIPMENT & MATERIAL

FC 01 THRU FC 04

FUJITSU # ASUH12LPAS WALL MOUNT FAN COIL
12,000 BTUH COOLING
12,800 BTUH HEATING
182 TO 412 VARIABLE CFM, WT = 22 LBS
208/230V-1 PH-60 CY., MAX. F.L.A. = .3 AMPS.
WITH REMOTE CONTROL

CU 01

FUJITSU # AOU45RLXFZ OUTDOOR CONDENSER
45,000 BTUH COOLING
48,000 BTUH HEATING
208/230V-1 PH-60 CY., MAX. F.L.A. = .3 AMPS.

SUPPLY DUCT

RETURN DUCT

12" NUMBER INDICATES DUCT SIZE

RETURN REGISTER

SUPPLY REGISTER

FLEX DUCT (5'-0" MAX)

EXHAUST FAN

12"x12" HOLE THRU BEAM

16"x10" HOLE THRU BEAM

SMOKE FIRE DAMPER (12x12 AFD)

SD SMOKE DUCT DETECTOR

DIRECTIONAL AIR FLOW

BAROMETRIC RELIEF DAMPER THRU WALL

UCD UNDERCUT DOOR

R BAROMETRIC RELIEF DAMPER THRU ROOF

T THERMOSTAT

DAMPER

EQUIPMENT CALLOUT:
TOP = EQUIPMENT TYPE
BOTTOM = IDENTIFICATION

E ELECTRICAL LOCATION

CD CONDENSATE DRAIN

G GAS LOCATION

DRAWING LIST

M-0 COVER SHEET - LEGEND/SYMBOLS
M-1 MECHANICAL PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:
COVER SHEET

REVISIONS
1
2
3
4
5

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24276
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 08/13/2025

SHEET NUMBER
M-0N

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

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

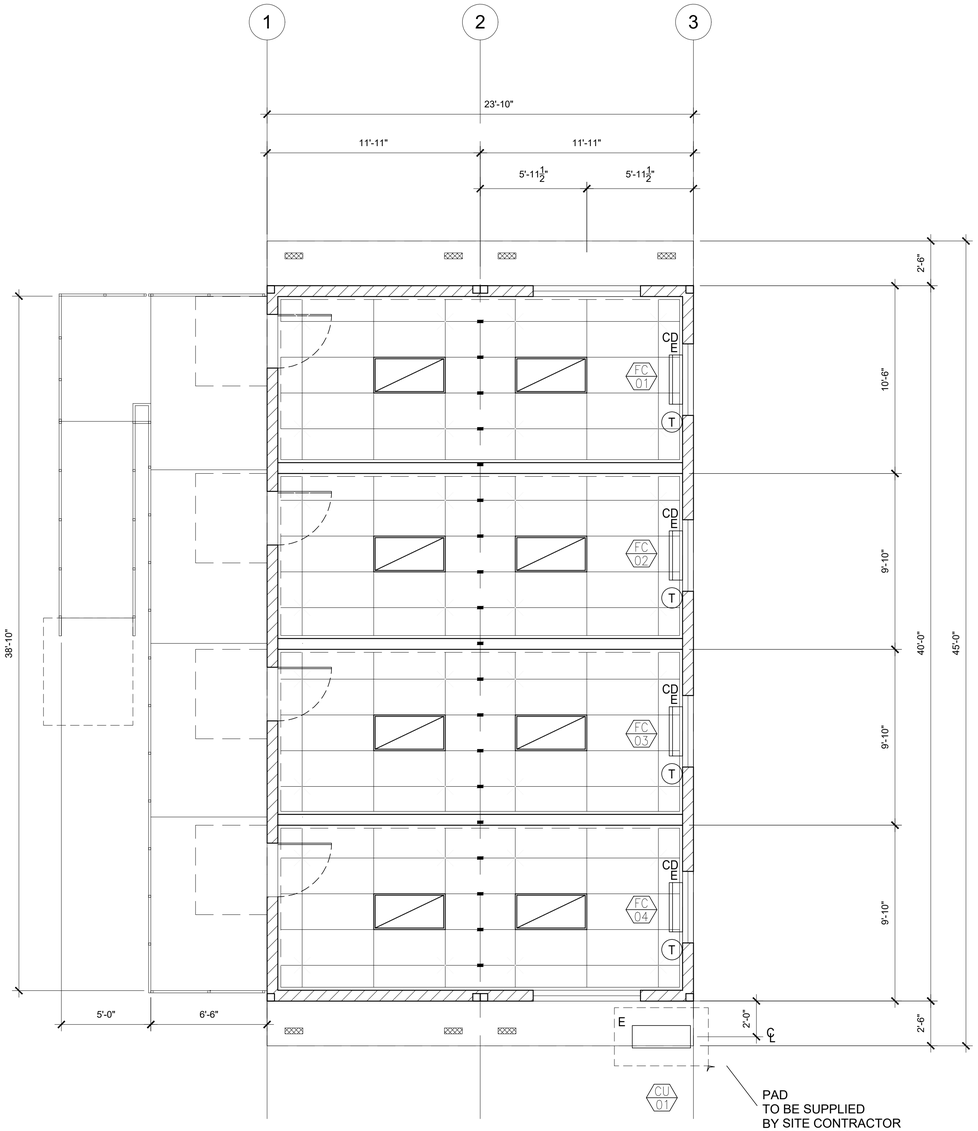
MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

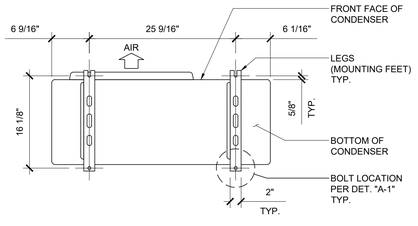
A LISTING OF CERTIFIED ATT CAN BE FOUND AT
HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE
-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE

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.

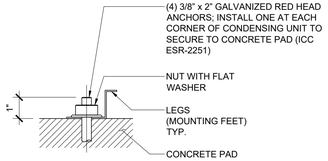
PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

THIS LIST OF REQUIRED ACCEPTANCE TESTS FOR THE PROJECT IS FOUND IN THE LAST PAGES OF THE ENERGY COMPLIANCE REPORTS (T24) UNDER DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE.





A
(CONDENSER BASE)



NOTE:
ANCHORS SHALL HAVE A MINIMUM EFFECTIVE EMBEDMENT OF 1-3/4", TYP.

A-1
(ANCHOR SECTION)

MECHANICAL - PLAN VIEW

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:

MECHANICAL PLAN

REVISIONS

1
2
3
4
5

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2475
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

M-1N

NOTES

COMMUNICATION SYSTEMS

1. PROVIDE ALL REQUIRED CONDUITS AND J-BOXES WITH PULL STRINGS (WITH NO CONDULETS OR SHARP BENDS) AS INDICATED ON AOR PLANS FOR CONNECTION OF IDF TO EXTERIOR OPTICAL FIBER (ALL WIRING AND DEVICES BY OTHERS).
2. PROVIDE ALL REQUIRED CONDUITS AND J-BOXES WITH PULL STRINGS AS INDICATED ON AOR PLANS WITH CONDUITS TO ATTIC SPACE (ALL WIRING AND DEVICES BY OTHERS).
3. PROVIDE ALL REQUIRED CONDUITS WITH PULL STRINGS (SIZED PER PLANS) FROM ALL STANDARD J-BOXES AS INDICATED ON PLANS WITH 90° SWEEPS INTO ATTIC SPACE.
4. PROVIDE ALL INTERROOM CONDUITS INDICATED ON PLAN (VERIFY COUNTS AND SIZES WITH AOR PLANS) (ALL WIRING AND DEVICES BY OTHERS).

CLOCK/PAGING SYSTEM

1. PROVIDE ALL REQUIRED CONDUITS AND J-BOXES WITH PULL STRINGS (WITH NO CONDULETS OR SHARP BENDS) AS INDICATED ON AOR PLANS FROM EXTERIOR POC TO INTERIOR AREA (ALL WIRING AND DEVICES BY OTHERS).
2. PROVIDE ALL REQUIRED CONDUITS WITH PULL STRINGS (SIZED PER PLANS) FROM ALL STANDARD J-BOXES AS INDICATED ON PLANS WITH 90° SWEEPS INTO ATTIC SPACE.
3. PROVIDE ALL INTERROOM CONDUITS INDICATED ON PLAN (VERIFY COUNTS AND SIZES WITH AOR PLANS) (ALL WIRING AND DEVICES BY OTHERS).

FIRE ALARM SYSTEM

1. PROVIDE ALL REQUIRED CONDUITS AND J-BOXES WITH PULL STRINGS (WITH NO CONDULETS OR SHARP BENDS) AS INDICATED ON AOR PLANS FROM EXTERIOR POC TO INTERIOR AREA FOR CONNECTION TO FATC (ALL WIRING, CEILING BOXES, AND DEVICES BY OTHERS).
2. PROVIDE ALL EXTERIOR BOXES FOR WEATHERPROOF SPEAKERS WITH CONDUITS AND J-BOXES WITH PULL STRINGS AS INDICATED ON AOR PLANS INTO ATTIC SPACE (ALL WIRING AND DEVICES BY OTHERS).
3. PROVIDE ALL RED COLORED INTERROOM CONDUITS INDICATED ON AOR PLANS (VERIFY COUNTS AND SIZES WITH AOR PLANS) (ALL WIRING AND DEVICES BY OTHERS).

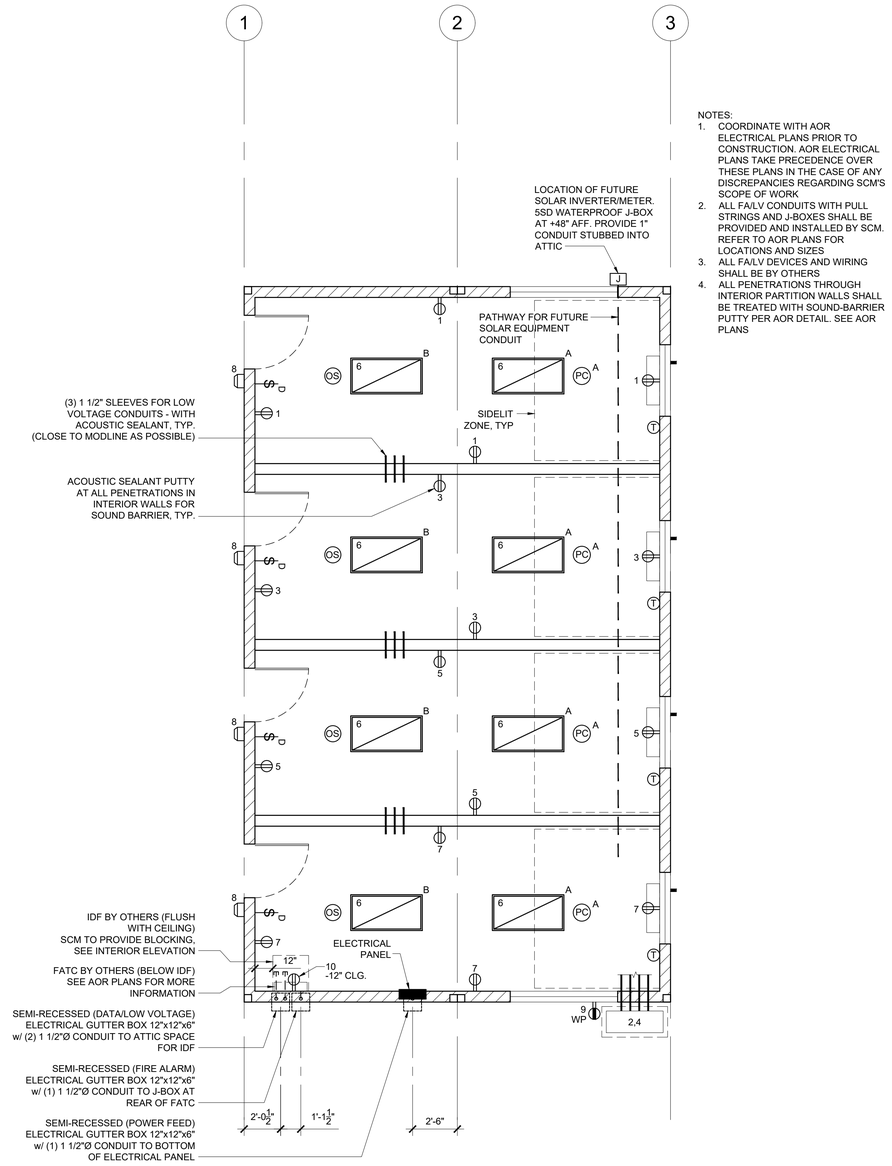
POWER SYSTEM

1. PROVIDE (5) ADDITIONAL 3/4" CONDUITS WITH PULL STRINGS FROM ELECTRICAL POWER PANEL WITH 90° SWEEPS INTO ATTIC SPACE FOR FUTURE USE BY OTHERS (ALL WIRING AND DEVICES BY OTHERS).
2. PROVIDE ALL INTERROOM CONDUITS INDICATED ON PLAN (VERIFY COUNTS AND SIZES WITH AOR PLANS) (ALL WIRING AND DEVICES BY OTHERS).
3. PROVIDE ALL REQUIRED CONDUITS AND J-BOXES WITH PULL STRINGS FROM EXTERIOR POC TO ELECTRICAL POWER PANEL (ALL WIRING AND DEVICES BY OTHERS).
4. PROVIDE CONNECTION FROM ELECTRICAL POWER PANEL TO THE BUILDING GROUND POINT (CONNECTION TO EXTERIOR GROUND SYSTEM BY OTHERS).

PANEL: A	PHASE:			VOLTS:		BUSS:			MAIN:				LOCATION:			FEED:				MOUNTING:
S/N:	SINGLE			120/208		100 AMP			100 AMP				INTERIOR			BOTTOM				RECESSED
OBJECT DESCRIPTION	WATT PER	NO OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	LEG A	LEG B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
RECEPTACLES	180	4		720		20	1	#12	1	X		2	#10	2	30	2140		X	1	2140	SPLIT SYSTEM
RECEPTACLES	180	4			720	20	1	#12	3		X	4	#10	-	-		2140	X		2140	SPLIT SYSTEM
RECEPTACLES	180	4		720		20	1	#12	5	X		6	#12	1	20	480		X	8	60	INTERIOR LIGHTS
RECEPTACLES	180	4			720	20	1	#12	7		X	8	#12	1	20		120	X	4	30	EXTERIOR LIGHTS
RECEPTACLES (WP)	180	1		180		20	1	#12	9	X		10	#12	1	20	180			1	180	RECEPT - IDF (DED)
					0				11		X	12					0				
				0					13	X		14				0					
					0				15		X	16					0				
				0					17	X		18				0					
					0				19		X	20					0				
				0					21	X		22				0					
					0				23		X	24					0				
				0					25	X		26				0					
					0				27		X	28					0				
				0					29	X		30	#12	1	20	40				40	FIRE ALARM
LEG TOTALS				1620	1440											2840	2260	LEG TOTALS			

LCL=1220+8160=9380

TOTAL WATTS=9380 LEG BALANCE = 9.3% TOTAL AMPS: 45.10



NOTES:
1. COORDINATE WITH AOR ELECTRICAL PLANS PRIOR TO CONSTRUCTION. AOR ELECTRICAL PLANS TAKE PRECEDENCE OVER THESE PLANS IN THE CASE OF ANY DISCREPANCIES REGARDING SCM'S SCOPE OF WORK
2. ALL FA/LV CONDUITS WITH PULL STRINGS AND J-BOXES SHALL BE PROVIDED AND INSTALLED BY SCM. REFER TO AOR PLANS FOR LOCATIONS AND SIZES
3. ALL FA/LV DEVICES AND WIRING SHALL BE BY OTHERS
4. ALL PENETRATIONS THROUGH INTERIOR PARTITION WALLS SHALL BE TREATED WITH SOUND-BARRIER PUTTY PER AOR DETAIL. SEE AOR PLANS

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ELECTRICAL PLAN AND SCHEDULE 24' x 40'

REVISIONS

1	
2	
3	
4	
5	

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

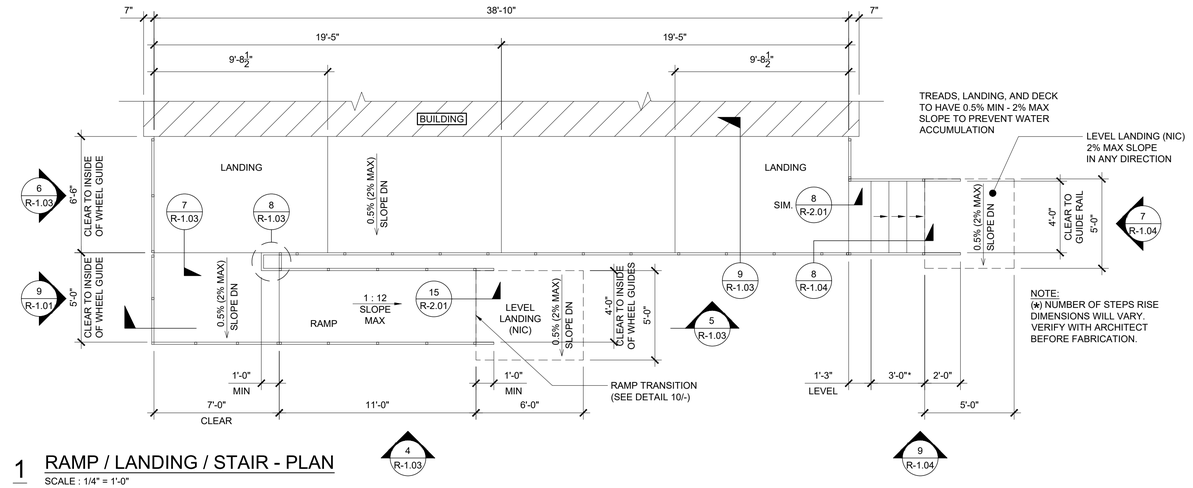
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 29775 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

E-1.01N

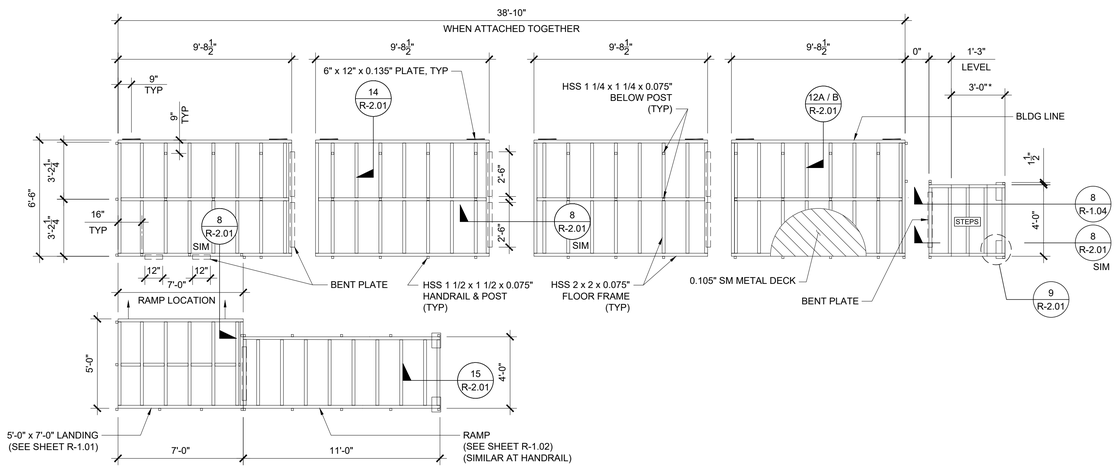


1 RAMP / LANDING / STAIR - PLAN

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

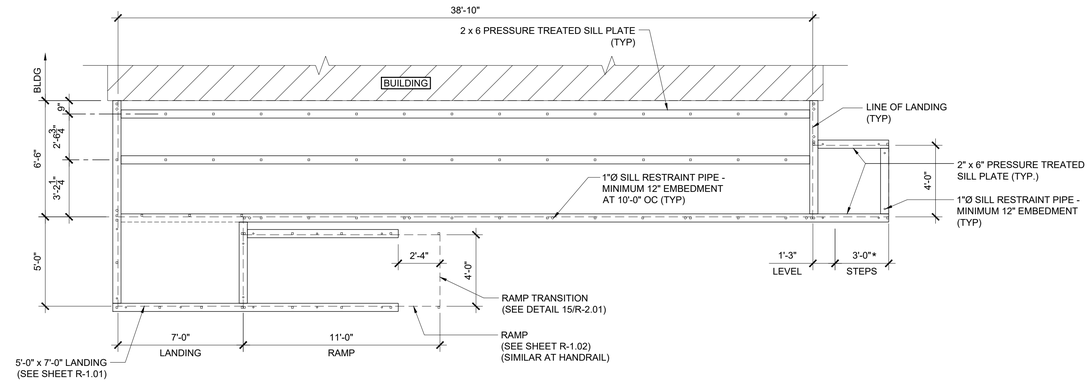
GENERAL NOTES:

1. RAMP LENGTH SHOWN HERE AT PC STANDARD 11'-0", BUT MAY BE ADJUSTED IF NECESSARY - VERIFY WITH ARCHITECT BEFORE FABRICATION.
2. PC STANDARD STAIR COUNT AND TREAD LENGTHS SHOWN HERE, BUT MAY BE ADJUSTED IF NECESSARY AS INDICATED - VERIFY WITH ARCHITECT BEFORE FABRICATION.



2 RAMP / LANDING / STAIR - FRAME

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



3 RAMP / LANDING / STAIR - SILL

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:

RAMP LANDING

REVISIONS

1	
2	
3	
4	
5	

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARK 2975 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40'

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	08/13/2025

SHEET NUMBER

R-1.01N

MODULAR CLASSROOM BUILDINGS

~~(WITH OPTIONAL RESTROOM MODULES)~~

BUILDING SIZE: 24' X 40'

~~EXPANDABLE TO 120' X 40'~~

PC 04-121999

BY

SILVER CREEK MODULAR, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571

PHONE : (951) 943-5393 FAX : (951) 943-2211

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
PROJECT #11629

GENERAL NOTES

1. FIRE ALARM IS NOT PART OF THIS APPROVAL.
2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2022 CBC 705.3.
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING.
5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS.
6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.
8. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2022 CBC. THE USE OF UNPROTECTED OPENINGS SHALL BE VERIFIED IN THE PROJECT SPECIFIC APPLICATIONS.
9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1405.
10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL".
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
13. WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION.
14. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.
15. FOR THE CONCRETE BELOW GRADE (AMM*) FOUNDATION OPTION THIS PC USES A DSA APPROVED ALTERNATE MEANS OF COMPLIANCE WITH THE FOUNDATION DURABILITY REQUIREMENTS OF CBC 1402.2 + 1403.2 (WEATHER-RESISTANT EXTERIOR WALL ENVELOPE AND CONTINUOUS WATER-RESTISTIVE BARRIER ON WALLS TO FOUNDATION) + 2304.12.1.2 (PROTECTION AGAINST DECAY AND TERMITES). DETAILS ARE PROVIDED ON SHEETS A-5.71 - A-5.78 AS APPLICABLE.
16. THE BUILDING PAD ELEVATION SHALL ABOVE THE DESIGN FLOOD ELEVATION.
17. WHEN THE SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A SEALED LETTER FROM A GEOTECHNICAL ENGINEER SHALL BE PROVIDED TO VALIDATE THE APPLICABILITY OF THE ALLOWABLE SOIL BEARING PRESSURES INDICATED ON THE PC DRAWINGS.
EXCEPTION: THIS LETTER IS NOT REQUIRED FOR PROJECTS LOCATED IN FLOOD ZONE D WHEN A GEOTECHNICAL REPORT IS AVAILABLE FOR IMPROVEMENTS ON THE SAME PROJECT SITE, AND IN ACCORDANCE WITH THE CURRENT CBC, WHICH CONFIRMS THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE OR CONFIRMS THAT THE FLOOD HAZARD DOES NOT RESULT IN A REDUCTION OF SOIL CAPACITY VALUES.

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CA. AMENDED)	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2022 EDITION
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE	2019 EDITION
ASME A17.1 (W/A17.1A CSA B44A-2019 ADDENDA)	SAFETY CODE FOR ELEVATORS & ESCALATORS.	2007 EDITION

APPLICABLE CODES

LIST OF 2022 CALIFORNIA CODE OF REGULATIONS

2022 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.

2022 CALIFORNIA ELECTRICAL CODE (CEC), 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, 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 (CALGREEN), 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.

BUILDING DATA

NUMBER OF STORIES:	1 - STORY		
OCCUPANCY:	E or B		
TYPE OF CONSTRUCTION:	V-B		
FLOOR LIVE LOAD:	☐ 50 PSF	☑ 50+15 PSF PARTITION LOAD	
	☐ 100 PSF	☐ 150 PSF	
ROOF LIVE LOAD:	20 PSF		
FLOOR DEAD LOAD:	☑ WOOD FLOOR - 11 PSF	☐ CONCRETE FLOOR - 35 PSF	
ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD AND SOLAR ALLOWANCE)		
SOLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA		
RAMP LIVE LOAD:	100 PSF		
BUILDING AREA:	☑ 24'x40' BLDG - 960 S.F.	☐ 84'x40' BLDG - 3,360 S.F.	
	☐ 36'x40' BLDG - 1,440 S.F.	☐ 96'x40' BLDG - 3,840 S.F.	
	☐ 48'x40' BLDG - 1,920 S.F.	☐ 108'x40' BLDG - 4,320 S.F. ★	
ALLOWABLE AREA: 9,000 S.F.	☐ 60'x40' BLDG - 2,400 S.F.	☐ 120'x40' BLDG - 4,800 S.F. ★	
	☐ 72'x40' BLDG - 2,880 S.F.	★ SEE S-0.1 FOR GEOTECHNICAL REPORT REQUIREMENT	
(ALL w/o OVERHANGS)			
FOUNDATION:	☑ WOOD (CONDITIONAL)	☐ CONCRETE ABOVE GRADE	☐ CONCRETE BELOW GRADE (<2,160 SF, CONDITIONAL)
	☐ CONCRETE BELOW GRADE (AMM, SEE NOTE 15)		
CEC CLIMATE ZONE:	☑ ALL ZONES (1-16)	☐ SINGLE ZONE (SEE PROJECT SPECIFIC DRAWINGS)	

ALLOWABLE SOIL PRESSURE

WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,000 psf
CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,500 psf

ROOF SNOW LOAD

GROUND SNOW LOAD, P_g FROM COUNTY	0
ROOF SNOW LOAD: ☑ FLAT P_f OR ☐ LOW-SLOW, P_{flt} OR ☐ SLOPED, P_s	
SNOW EXPOSURE FACTOR C_s	-
SNOW IMPORTANCE FACTOR I_s	1.0
THERMAL FACTOR C_t	-

FLOOD DESIGN (SEE GENERAL NOTE #16 + 17)

FLOOD HAZARD AREA YES ☐ NO ☑

WIND DESIGN

BASIC WIND SPEED (3 SECOND GUST) V_{ult}	120
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR K_{zt}	1

SEISMIC DESIGN

LATERAL FORCE-RESISTING SYSTEM	OMF
ANALYSIS PROCEDURE	EQIV. LATERAL FORCE
SEISMIC DESIGN CATAGORY (SDC)	E
SEISMIC IMPORTANCE FACTOR I_e	1.0
SEISMIC RESPONSE COEFFICIENT C_s	0.45
RESPONSE MODIFICATION COEFFICIENT R	3.5
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_s	2.8
SHORT PERIOD SITE COEFFICIENT F_a	1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_{DS}	2.23 +++
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_1	1.064 ++
LONG PERIOD SITE COEFFICIENT, F_v	1.7
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_{D1}	1.2
HORIZONTAL OR VERTICAL IRREGULARITY TYPES	NONE
REDUNDANCY FACTOR Rho	1.0
FUNDAMENTAL PERIOD T	< 0.5s

++ PER SUPPLEMENT 3 OF ASCE 7-16, STRUCTURES SITUATED IN SITE CLASS D WITH S1 VALUES THAT ARE EQUAL TO OR GREATER THAN 0.2 ARE EXEMPTED FROM THE GROUND MOTION HAZARD ANALYSIS. THIS EXEMPTION APPLIES WHEN THE PARAMETER SM1, DETERMINED THROUGH THE USE OF EQ. 11.4-2, IS ELEVATED BY 50% FOR ALL APPLICATIONS OF SM1

+++ FOR THE PURPOSES OF CALCULATING C_S (PER ASCE 7-16 12.8.1.3) S_{DS} = 1.56

FOR SITE SPECIFIC PROJECT

☐ SOLAR PV IS REQUIRED AND REFERENCE SHEET A-0.7

☐ GEOTECH REPORT IS REQUIRED

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS

SELECT ONE

☑ DESIGN BASED ON SITE CLASS $D_{default}$

NO GEOTECHNICAL INVESTIGATION REQUIRED

Ss = 1.738 Fa = 1.2

☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16

GEOTECHNICAL INVESTIGATION PROVIDED

SITE CLASS: ☐ C ☐ D

Ss = _____ Fa = _____ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1

☐ DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16

SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION

CGS APPROVAL REQUIRED

NOT ELIGIBLE FOR OTC REVIEW

SITE CLASS: ☐ C ☐ D

$S_{DS} = \frac{2}{3}$ Fa Ss = 1.391

☑ SITE CLASS C or D: 0.7 x S_{DS}* = 0.7 x 1.391 = 0.974 ≤ 1.56

C_S = 0.45 USED IN DESIGN

SEISMIC DESIGN CATEGORY: ☑ D ☐ E

* SITE SPECIFIC S_{DS} VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3

NOTE:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:
COVER SHEET

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24475
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
A-0

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE

Continuous – Indicates that a continuous special inspection is required

Periodic – Indicates that a periodic special inspection is required

Test – Indicates that a test is required

2. PERFORMED BY

GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative

LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.

PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.

SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

SI/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of materials and: • Mill certificates indicate material properties that comply with requirements. • Material size, types and grades comply with requirements.	Periodic	*	Table 17AA.3 Item 3a, 3b, 2202A.1, ASI 5100-20 Section A3.1 & A3.2, ASI 5240-20 Section A3.8 & A6, ASI 5220-20 Sections A4 & A6. * By approved inspector or qualified technician when performed off-site.
☐	b. Test unidentified materials	Test	LOR	2202A.1
☐	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☐	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (17054.2.4).
☐	e. Building restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.

SI/A2. HIGH-STRENGTH BOLTS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 17054.3.1 Item 1a & 1b, 2202A.1, AISC 360-16 Section A3.3, J3.1, and M2.2; RCSC 2014 Section 11.5 & 2.1; DSA IR 17-1 & DSA IR 17-6.
☐	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 17054.3.1 Item 1c, 2213A.1, RCSC 2014 Section 7.2; DSA IR 17-6.
☐	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 17054.3.1 Item 2a, 17054.2.8, 2204A.2, AISC 360-16 J3.1, J3.2, M2.5 & M5.6; RCSC 2014 Section 9.1; DSA IR 17-6.
☐	d. Pretensioned and slip-critical connections.	*	SI	Table 17054.3.1 Items 2b & 2c, 17054.2.8, 2204A.2, AISC 360-16 J3.1, J3.2, M2.5 & M5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-6. * "Continuous" or "Periodic" depends on the tightening method used.

SI/A3. WELDING:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify welder filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	17054.2.8, Table 17054.2.1 Items 4 & 5, AWS D1.1 and AWS D1.8 for structural steel; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☐	b. Verify welder filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☐	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

SI/A4. SHOP WELDING (IN ADDITION TO SECTION SI/A3):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds < 5/16", plug and slot welds.	Continuous	SI	Table 17054.2.1 Items 5a.1–4, AISC 360-16 and AISC 341-16 as applicable; DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≥ 5/16", floor and roof deck welds.	Periodic	SI	17054.2.2, Table 17054.2.1 Items 5a.5 & 5a.6, AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect welding of stairs and railing systems.	Periodic	SI	17054.2.1, AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	17054.3.1, AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 17054.2.1 Item 5b, 17054.3.1, Table 17054.3 Item 2, 1903A.8, AWS D1.4; DSA IR 17-3.

Test or Special Inspection | Type | Performed By | Code References and Notes

SI/A5. FIELD WELDING (IN ADDITION TO SECTION SI/A3):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds < 5/16", plug and slot welds.	Continuous	SI	Table 17054.2.1 Items 5a.1–4, AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≥ 5/16".	Periodic	SI	Table 17054.2.1 Item 5a.5, AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect and weld-sized studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2, AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	d. Inspect floor and roof deck welds.	Periodic	SI	17054.2.2, Table 17054.2.1 Item 5a.6, AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	17054.2.3, AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Inspect welding of stairs and railing systems.	Periodic	SI*	17054.2.1, AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	g. Verification of reinforcing steel weldability.	Periodic	SI	17054.3.1, AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	h. Inspect welding of reinforcing steel.	Continuous	SI	Table 17054.2.1 Item 5b, 17054.3.1, Table 17054.3 Item 2, 1903A.8, AWS D1.4; DSA IR 17-3.

Test or Special Inspection | Type | Performed By | Code References and Notes

SI/A6. NONDESTRUCTIVE TESTING:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Ultrasonic	Test	LOR	17054.2.1, 17054.2.5, AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	b. Magnetic Particle	Test	LOR	17054.2.1, 17054.2.5, AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	c.	Test	LOR	

SI/A7. STEEL JOISTS AND TRUSSES:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	17054.2.3, Table 17054.2.3, AWS D1.1; DSA IR 22-3 for steel joists only. 17054.2.4, AWS D1.3 for cold-formed steel trusses.
☐	b. Inspection of Soil Improvements	Continuous	GE*	Table 17054.2.2. * By geotechnical engineer or his or her qualified representative.
☐	c.			

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

SOILS:

☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 30'-0" tall (e.g. lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

CONCRETE/MASONRY:

☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

CONCRETE/MASONRY:

☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

WELDING:

☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 6'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 6'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc, supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000lbf (equipment only) (connections of such frames to supernstructure elements using welding will require special inspection as noted in selected item(s) for Sections 5/A3, 5/A4 and/or 5/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Alcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to supernstructure elements using welding will require special inspection as noted in selected item(s) for Sections 5/A3, 5/A4 and/or 5/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to supernstructure elements using welding will require special inspection as noted in selected item(s) for sections 5/A3, 5/A4 and/or 5/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400lf and resulting composite center of mass (including component's center of mass) <4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20lf for discrete units or <5 plf for distributed systems.

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number: 04-122203	School Name: Silver Creek Modular	School District: Silver Creek
DSA File Number: 33-silver	Increment Number:	Date Created: 2023-08-15 22:14:50

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

The example form DSA 103 sections shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and the example sections shown on this drawing are to be crossed out.

- UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.
- UT TEST SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.
- MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE

Continuous – Indicates that a continuous special inspection is required

Periodic – Indicates that a periodic special inspection is required

Test – Indicates that a test is required

2. PERFORMED BY

GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative

LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.

PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.

SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

CY. CAST-IN-PLACE CONCRETE

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify use of proper mix design.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☐	b. Inspect reinforcement, including prestressing tendons, and verify placement.	Periodic	SI	Table 1705A.3 Item 6a, 1910A.3.
☐	c. Inspect reinforcement, including prestressing tendons, for grade, size, and number.	Test	LOR	1910A.2, ACI 318-19 Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☐	d. Verify concrete placement, fabrication, erection and curing procedures.	Test	LOR	Table 1705A.3 Item 6, ACI 318-19 Section 26.5.6 26.12.
☐	e. Inspect prestressing tendons for, and during, post-tensioning operations.	Periodic	SI	Table 1705A.3 Item 6, ACI 318-19 Section 26.13.1.3, ACI 550.5
☐	f. Test concrete (Fc).	Test	LOR	1909A.1.17, ACI 318-19 Section 26.12.
☑	g. Batch plant inspection: Periodic	See Notes	SI	Default of 'Continuous' per 1705A.3.2. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-15. (See Appendix (end of this form) for exemptions.)
☐	h. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

CZ. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION CY):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Sample and test prestressing tendons and prestressing steel.	Test	LOR	1705A.3.4, 1910A.3
☐	b. Inspect prestressing and prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 6.

Test or Special Inspection | Type | Performed By | Code References and Notes

☐	a. Verify in-situ concrete strength prior to stressing of post tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 8; ACI 318-14 Section 26.13

CS. PRECAST CONCRETE (IN ADDITION TO SECTION CY):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
☐	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
☐	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high sensitivity to variations in as-built dimensions or assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3, ACI 318-19 Section 26.13.1.3, ACI 550.5
☐	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3, ACI 318-19 Section 26.13.1.3, ACI 550.5

CH. SHOTCRETE (IN ADDITION TO SECTION CY):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect shotcrete placement for proper application technique.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2 13 Section 3.4, ACI 506R-16
☐	b. Sample and test shotcrete (f'c).	Test	LOR	1908A.2, 1705A.3.9

CI. POST-INSTALLED ANCHORS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.18 Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), ACI 318-19 Section 26.13.1.3, ACI 355.4, ACI 355.2 Section 9.2.3, ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

CE. OTHER CONCRETE:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

SI/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of materials and: • Mill certificates indicate material properties that comply with requirements. • Material size, types and grades comply with requirements.	Periodic	*	Table 17AA.3 Item 3a, 3b, 2202A.1, ASI 5100-20 Section A3.1 & A3.2, ASI 5240-20 Section A3.8 & A6, ASI 5220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☐	b. Test unidentified materials	Test	LOR	2202A.1
☐	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☐	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (17054.2.4).
☐	e. Building restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.

SI/A2. HIGH-STRENGTH BOLTS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 17054.3.1 Item 1a & 1b, 2202A.1, AISC 360-16 Section A3.3, J3.1, and M2.2; RCSC 2014 Section 11.5 & 2.1; DSA IR 17-1 & DSA IR 17-6
☐	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 17054.3.1 Item 1c, 2213A.1, RCSC 2014 Section 7.2; DSA IR 17-6.
☐	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 17054.3.1 Item 2a, 17054.2.8, 2204A.2, AISC 360-16 J3.1, J3.2, M2.5 & M5.6; RCSC 2014 Section 9.1; DSA IR 17-6.
☐	d. Pretensioned and slip-critical connections.	*	SI	Table 17054.3.1 Items 2b & 2c, 17054.2.8, 2204A.2, AISC 360-16 J3.1, J3.2, M2.5 & M5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-6. * "Continuous" or "Periodic" depends on the tightening method used.

SI/A3. WELDING:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify welder filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	17054.2.8, Table 17054.2.1 Items 4 & 5, AWS D1.1 and AWS D1.8 for structural steel; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☐	b. Verify welder filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☐	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

SI/A4. SHOP WELDING (IN ADDITION TO SECTION SI/A3):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds < 5/16", plug and slot welds.	Continuous	SI	Table 17054.2.1 Items 5a.1–4, AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≥ 5/16", floor and roof deck welds.	Periodic	SI	17054.2.2, Table 17054.2.1 Items 5a.5 & 5a.6, AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect welding of stairs and railing systems.	Periodic	SI	17054.2.1, AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	17054.3.1, AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 17054.2.1 Item 5b, 17054.3.1, Table 17054.3 Item 2, 1903A.8, AWS D1.4; DSA IR 17-3.

Test or Special Inspection | Type | Performed By | Code References and Notes

SI/A5. FIELD WELDING (IN ADDITION TO SECTION SI/A3):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds < 5/16", plug and slot welds.	Continuous	SI	Table 17054.2.1 Items 5a.1–4, AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≥ 5/16".	Periodic	SI	Table 17054.2.1 Item 5a.5, AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect and weld-sized studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2, AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	d. Inspect floor and roof deck welds.	Periodic	SI	17054.2.2, Table 17054.2.1 Item 5a.6, AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	17054.2.3, AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Inspect welding of stairs and railing systems.	Periodic	SI*	17054.2.1, AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	g. Verification of reinforcing steel weldability.	Periodic	SI	17054.3.1, AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	h. Inspect welding of reinforcing steel.	Continuous	SI	Table 17054.2.1 Item 5b, 17054.3.1, Table 17054.3 Item 2, 1903A.8, AWS D1.4; DSA IR 17-3.

Test or Special Inspection | Type | Performed By | Code References and Notes

SI/A6. NONDESTRUCTIVE TESTING:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Ultrasonic	Test	LOR	17054.2.1, 17054.2.5, AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	b. Magnetic Particle	Test	LOR	17054.2.1, 17054.2.5, AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	c.	Test	LOR	

SI/A7. STEEL JOISTS AND TRUSSES:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	17054.2.3, Table 17054.2.3, AWS D1.1; DSA IR 22-3 for steel joists only. 17054.2.4, AWS D1.3 for cold-formed steel trusses.
☐	b. Inspection of Soil Improvements	Continuous	GE*	Table 17054.2.2. * By geotechnical engineer or his or her qualified representative.
☐	c.			

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

SOILS:

☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 30'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

CONCRETE/MASONRY:

☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

CONCRETE/MASONRY:

☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

WELDING:

☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 6'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 6'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000lbf (equipment only) (connections of such frames to supernstructure elements using welding will require special inspection as noted in selected item(s) for Sections 5/A3, 5/A4 and/or 5/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Alcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to supernstructure elements using welding will require special inspection as noted in selected item(s) for Sections 5/A3, 5/A4 and/or 5/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to supernstructure elements using welding will require special inspection as noted in selected item(s) for sections 5/A3, 5/A4 and/or 5/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400lf and resulting composite center of mass (including component's center of mass) <4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20lf for discrete units or <5 plf for distributed systems.

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE

Continuous – Indicates that a continuous special inspection is required

Periodic – Indicates that a periodic special inspection is required

Test – Indicates that a test is required

2. PERFORMED BY

GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative

LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.

PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.

SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

SI/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of materials and: • Mill certificates indicate material properties that comply with requirements. • Material size, types and grades comply with requirements.	Periodic	*	Table 17AA.3 Item 3a, 3b, 2202A.1, ASI 5100-20 Section A3.1 & A3.2, ASI 5240-20 Section A3.8 & A6, ASI 5220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☐	b. Test unidentified materials	Test	LOR	2202A.1
☐	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☐	d. Verify and document steel fabrication

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2, ACI 318-19 Ch.20 and Section 26.6.1.2, DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'c).	Test	LOR	1905A.1.17, ACI 318-19 Section 26.12.
☑	e. Batch plant inspection: Periodic	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
☐	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item B; ACI 318-14 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
☐	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
☐	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high detailed seismic systems (MDE or HDE), or those assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2-13 Section 3.4. ACI 506R-16.
☐	b. Sample and test shotcrete (f'c).	Test	LOR	1908A.2, 1705A.3.9

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.
	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the "Exception" language in Section 1705A.2.1). fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).

RELO CONCRETE FOUNDATION | 4

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2, ACI 318-19 Ch.20 and Section 26.6.1.2, DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'c).	Test	LOR	1905A.1.17, ACI 318-19 Section 26.12.
☑	e. Batch plant inspection: Periodic	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
☐	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item B; ACI 318-14 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
☐	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
☐	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high detailed seismic systems (MDE or HDE), or those assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2-13 Section 3.4. ACI 506R-16.
☐	b. Sample and test shotcrete (f'c).	Test	LOR	1908A.2, 1705A.3.9

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.
	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the "Exception" language in Section 1705A.2.1). fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).

RELO WOOD FOUNDATION | 3

	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A9. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.
☐	b. Test density.	Test	LOR	1705A.15.1, 1705A.15.4, ASTM E736
☐	c. Bond strength/ adhesion/cohesion.	Test	LOR	1705A.15.1, 1705A.15.4, ASTM E605

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
☑	b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Material used, to verify compliance with one or more of the approved construction documents.	Periodic	SI	Table 1705A.13.7
☐	b. Fabricated storage rack elements.	Periodic	SI	1704A.2.5 Table 1705A.13.7
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Storage rack anchorage installation.	Periodic	SI	ANSI/MH16.1 Section 7.3.2, Table 1705A.13.7
☐	d. Completed storage rack system to indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7 * May be performed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.
	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the "Exception" language in Section 1705A.2.1). fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) c/f above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 psf for distributed systems.

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number: 04-122203	School Name: Silver Creek Modular	School District: Silver Creek Modular
DSA File Number: 33 silver	Increment Number:	Date Created: 2023-08-25 09:35:51

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

PERMANENT WOOD / CONCRETE FLOORS
CONCRETE FOUNDATION - CONT. | 1

The example form DSA 103 sections shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and the example sections shown on this drawing are to be crossed out.

- UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.
- UT TEST SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.
- MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

GENERAL 103-22 NOTES | 2

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2, ACI 318-19 Ch.20 and Section 26.6.1.2, DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'c).	Test	LOR	1905A.1.17, ACI 318-19 Section 26.12.
☑	e. Batch plant inspection: Periodic	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
☐	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item B; ACI 318-14 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
☐	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
☐	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high detailed seismic systems (MDE or HDE), or those assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2-13 Section 3.4. ACI 506R-16.
☐	b. Sample and test shotcrete (f'c).	Test	LOR	1908A.2, 1705A.3.9

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c, 2203A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2203A.1.
☑	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
☐	e. Buckling restrained braces	Test	LOR	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify identification markings and manufacturer's certificate of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☐	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-6.
☐	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2g, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☐	d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2h & 2i, * 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.

| | S/

REFLECTED CEILING NOTES

1. CEILING SYSTEM GENERAL NOTES

1.01 Ceiling system components shall comply with ASTM C635 and Section 5.1 of ASTM E580.
1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635.
1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer:	Armstrong
Evaluation Report Type and Number:	ICC ESR-1308
Main Runner Part, Model, or Catalog Number:	7301
Cross Runner Part, Model, Catalog Number:	XL7328

1.04 Seismic Wall Clip:

Manufacturer's Model:	BERC-2

1.05 Ceiling panels shall not support any luminaires, air terminals or devices.
1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide ¾" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide ¾" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip. Clearance between ceiling grid runners/members and walls shall comply with the details on these drawings regardless of ceiling tile material.

2. MATERIALS

2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #12 gauge (0.106" diameter) with soft temper and minimum ultimate tensile strength = 70 ksi.
2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653, or other equivalent sheet steel listed in Section A3.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members, (AISI S100). Material 43 mil (18 gauge) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gauge) and heavier shall have a minimum yield strength of 50ksi.
2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (FY) of 30 ksi and minimum ultimate strength (FU) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES

3.01 Separate all ceiling hanger and bracing wires at least 6 inches from all unbraced ducts, pipes, conduit, etc.
3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to piping, ductwork, conduit and equipment.
3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.
3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire (e.g., bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.).

4. FASTENERS AND WELDING

4.01 Sheet metal screws shall comply with ASTM C1513 and ASME B18.6.3. Penetration of screws through joined material shall not be less than three exposed threads.
4.02 Expansion anchors shall be: [RDP to indicate manufacturer, product, evaluation report number and test load for each size specified per CBC 1910A.5.4.]
4.03 Power-Actuated Fasteners shall be: [RDP to indicate manufacturer, product, evaluation report number.]
4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member
4.05 Power-actuated fasteners in concrete or masonry are not permitted for bracing wires.
4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post-installed anchors.
4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING

5.01 All field testing must be performed in the presence of the project inspector.
5.02 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power-actuated fasteners in concrete shall be field tested for 200 pounds in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1910A.5.
5.03 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1910A.5.

6. LUMINAIRES

6.01 All luminaires shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the luminaire. A minimum of two screws or approved fasteners are required at each luminaire, per ASTM E580 Section 5.3.1.
6.02 Surface-mounted luminaires shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gauge. Rotational spring catches do not comply. A #12 gauge slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when a luminaire is 8 feet or longer or exceeds 56 pounds. Maximum spacing between supports shall not exceed 8 feet.
6.03 Luminaires weighing less than or equal to 10 pounds may be supported directly on the ceiling runners, shall have a minimum of one #12 gauge slack safety wire connected from the fixture housing to the structure above.
6.04 Luminaires weighing greater than 10 pounds but less than or equal to 56 pounds may be supported directly on the ceiling runners, but they shall have a minimum of two #12 gauge slack safety wires connected from the fixture housing at diagonal corners to the structure above.
Exception: All luminaires greater than two by four feet weighing less than 56 pounds shall have a #12 gauge slack safety wire at each corner.
6.05 All luminaires weighing greater than 56 pounds shall be independently supported by not less than four taut #12 gauge hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four taut #12 gauge wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four times the weight of the fixture.

7. SERVICES WITHIN THE CEILING

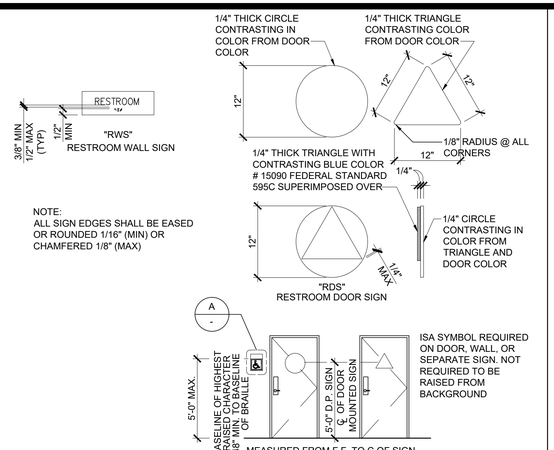
7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 pounds shall have one #12 gauge slack safety wire attached from the terminal or service to the structure above.
7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 pounds but less than or equal to 56 pounds shall have two #12 gauge slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 pounds shall be supported directly from the structure above by not less than four taut #12 gauge hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 pounds shall have a #12 gauge slack safety wire anchored to the structure above. Devices weighing more than 20 pounds shall be supported independently from the structure above.

NOTE:
ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

NOTE:
PER CBC SECTION 718.2.1, FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES. (SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX
FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS



SIGNAGE TEMPLATES

COORDINATE WITH SIGNAGE NOTES (BELOW)

SIGNAGE NOTES

1. CHARACTER TYPE: CHARACTERS ON TACTILE SIGNS SHALL BE RAISED 1/32" (0.794 mm) MINIMUM ABOVE THEIR BACKGROUND AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE NOTE 5 BELOW) 11B-703.2.1 & 11B-703.2.2 &11B-703.23.

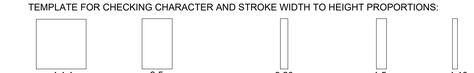
2. RAISED CHARACTER HEIGHT: CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (15.9 mm) MINIMUM AND 2 INCH (51 mm) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". 11B-703.2.5

3. FINISH AND CONTRAST: SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH SYMBOLS. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND. 11B-703.7.1.

4. PROPORTIONS: RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15% MAX OF THE HEIGHT OF THE CHARACTER. 11B-703.2.4 + 11B-703.2.6

VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER ' I '. STROKE THICKNESS OF THE UPPER CASE ' I ' SHALL BE 10% MIN. AND 20% MAX OF THE HEIGHT OF THE CHARACTER.

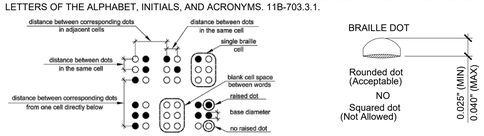
TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:



5. CHARACTER SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX). WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE BASE OF THE CROSS SECTIONS, AND 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" (MIN). 11B-703.2.7

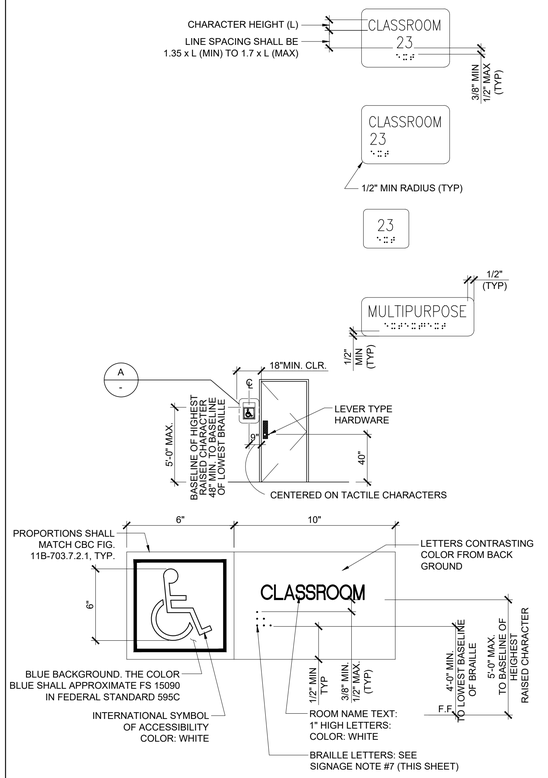
6. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% (MIN) AND 170% (MAX) OF THE RAISED CHARACTER HEIGHT. 11B-703.2.8

7. BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4. DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. 11B-703.3.1.



MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6mm)
Distance between two dots in the same cell[1] (Rhodrotile-1)	*0.100 (2.5 mm)*
Distance between corresponding dots in adjacent cells[1] (Rhodrotile-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] (Rhodrotile-1)	0.395 (10 mm) to 0.400 (10.2 mm)

1. Measured center to center.



NOTE:
SIGN MATERIAL TO BE 1/8" THK. E.S. PLASTIC W/1/32" RAISED GRAPHICS AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. CBC SECTION 11B-703. WHERE RAISED BOARDERS OCCUR, PROVIDE 1/2" MIN. CLEARANCE BETWEEN TOP OF BOARDER AND LOWEST LEVEL OF BRAILLE TEXT.

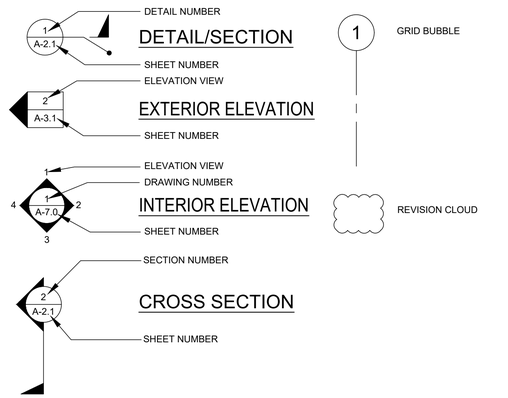
A ROOM IDENTIFCATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

COORDINATE WITH SIGNAGE NOTES 1 THROUGH 7 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND



ABBREVIATIONS

AB	ANCHOR BOLT	FIN	FINISH	℄ OR PL	PLATE
ABS	ABSOLUTE	FLR	FLOOR	PC	PRE-CHECKED
ABV	ABOVE	FN	FIELD NAILING	PLAS	PLASTER
ACC	ACCESS	FND	FOUNDATION	PLYWD	PLYWOOD
ADDL	ADDITIONAL	FOC	FACE OF CONCRETE	PNL	PANEL
ADJ	ADJACENT	FOS	FACE OF STUD	POC	POINT OF CONNECTION
AFF	ABOVE FINISH FLOOR	FTG	FOOTING	POT	PATH OF TRAVEL
AFG	ABOVE FINISH GRADE	FOF	FACE OF FINISH	PSF	POUNDS PER SQUARE FOOT
AGC	ABOVE GRADE CONCRETE			PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	GA	GAUGE	PT	PRESSURE TREATED
AOR	ARCHITECT OF RECORD	GALV	GALVANIZE		
APPROX	APPROXIMATE	GC	GENERAL CONTRACTOR	RAG	RETURN AIR GRILLE
ARCH	ARCHITECTURAL / ARCHITECT	GR	GRADE	RD	ROOF DRAIN
		GYP	GYPSUM	REF	REFERENCE
BD	BOARD	GYP BD	GYPSUM BOARD	REINF	REINFORCE
BGC	BELOW GRADE CONCRETE			REQ'D	REQUIRED
BLDG	BUILDING	HB	HOSE BIBB	REV	REVISION
BLK	BLOCK	HD	HEAVY DUTY	RF	ROOF
BLKG	BLOCKING	HDR	HEADER	RM	ROOM
BM	BEAM	HDW	HARDWARE	RO	ROUGH OPENING
BOT	BOTTOM (OR BTM)	HF	HEM FIR	ROH	ROOF OVERHANG
BTWN	BETWEEN	HORIZ	HORIZONTAL		
BU	BUILT UP	HT	HEIGHT	SCHED	SCHEDULE
		HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SEC	SECTION
CAB	CABINET			SHT	SHEET
CBC	CALIFORNIA BUILDING CODE			SHTG	SHEATHING
CI	CAST IRON			SIM	SIMILAR
CJ	CONTROL JOINT	INCL	INCLUDED	SPEC	SPECIFICATION
CJP	COMPLETE JOINT PENETRATION	INFO	INFORMATION	SQ	SQUARE
		INT	INTERIOR	SST	STAINLESS STEEL
℄	CENTER LINE			STD	STANDARD
CLG	CEILING	J-BOX	JUNCTION BOX	STIFF	STIFFENER
CO	CLEAN OUT	JST	JOIST	STL	STEEL
COL	COLUMN	JT	JOINT	STS	SELF-TAPPING SCREW
CONC	CONCRETE			STSMS	SELF-TAPPING SHEET METAL SCREW
CONN	CONNECTION	KO	KNOCK OUT		
CONST	CONSTRUCTION				
CONT	CONTINUOUS	LAB	LABORATORY		
CPT	CARPET	LAM	LAMINATED	T&B	TOP AND BOTTOM
CSK	COUNTERSINK	LAV	LAVATORY	T&G	TONGUE AND GROOVE
CTR	CENTER	LB	POUNDS	TEL	TELEPHONE
		LT	LIGHT	THK	THICK
DBL	DOUBLE	LT WT	LIGHT WEIGHT	TOC	TOP OF COLUMN
DET	DETAIL	LVR	LOUVER	TOS	TOP OF STEEL
DF	DOUGLAS FIR			TS	TUBE STEEL
DIA OR Ø	DIAMETER	MAX	MAXIMUM	TV	TELEVISION
DIAG	DIAGONAL	MB	MACHINE BOLT	TYP	TYPICAL
DIM	DIMENSION	MED	MEDIUM		
DSA	DIVISION OF THE STATE ARCHITECT	MFR	MANUFACTURER	UBC	UNIFORM BUILDING CODE
		MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
DWG	DRAWING	MISC	MISCELLANEOUS		
		MOD	MODULE	UR	URINAL
(E)	EXISTING	MTL	METAL		
EA	EACH			VERT	VERTICAL
EJ	EXPANSION JOINT	(N)	NEW	VCT	VINYL COMPOSITION TILE
ELEV	ELEVATION	N	NORTH		
EN	END NAIL	NIC	NOT IN CONTRACT (NOT IN SILVER CREEK'S SCOPE OF WORK	W/	WITH
EQ	EQUAL			WC	WATER CLOSET
EQUIP	EQUIPMENT	NO	NUMBER	WCO	WALL CLEAN OUT
EW	EACH WAY	NTS	NOT TO SCALE	WD	WOOD
EXT	EXTERIOR			WH	WATER HEATER
		OC	ON CENTER	WIC	WOODWORK INSTITUTE OF CALIFORNIA
FA	FIRE ALARM	OD	OUTSIDE DIAMETER		
FCO	FLOOR CLEAN OUT	OH	OPPOSITE HAND	WND	WINDOW (OR WDW)
FF	FINISH FLOOR	OPNG	OPENING	W/O	WITHOUT
FG	FINISH GRADE	OPP	OPPOSITE	WP	WATER PROOF

SPECIFICATIONS

DIVISION 5 - METALS
- ALL WELDED JOINTS AND SURFACES SHALL BE GROUNDED SMOOTH, NO SHARP OR ABRASIVES CORNERS, EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAILS SHALL BE SMOOTH,
- ALL HANDRAILS SHALL BE ROUND OR SHALL HAVE RADIUSED EDGES (r = 1/8" MIN)

DIVISION 6 - WOOD AND PLASTICS
- ALL CABINET AND DRAWERS WILL HAVE U-SHAPED WIRE PULLS

DIVISION 9 - FINISHES
- CEILING INSTALLATION SHALL BE PER THE NOTES PROVIDED ON THIS SHEET.

DIVISION 10 - SPECIALITIES
- ALL TOILET ACCESSORIES SHALL BE INSTALLED AT THE HEIGHT AND CLEARANCES SHOWN ON SHEET P-1.01

DIVISION 22 - PLUMBING
- FAUCETS SHALL BE LEVER OPERATED (4" MIN BLADE) OR SHALL BE PUSH TYPE OR AUTOMATIC ELECTRONICALLY CONTROLLED. CONTROLS TO BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.
- FORCE TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 LBS
- FORCE TO REMAIN OPEN FOR A MINIMUM OF 10 SECONDS WHEN SELF CLOSING VALVES ARE USED
- PIPE COVERS SHALL BE PROVIDED FOR WATER LINES AND DRAIN PIPES UNDER ACCESSIBLE SINKS AND LAVATORIES
- ACCESSIBLE SINKS SHALL NOT BE DEEPER THAN 6 1/2"

ASSISTIVE LISTENING SYSTEM

ASSISTIVE LISTENING SYSTEM SIGN
(SYMBOL PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.4)

NOTES:
1. ASSISTIVE-LISTENING SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTIONS 11B-216.10 AND 11B-219 AND SHALL COMPLY WITH CBC SECTION 11B-706.
2. THE MINIMUM NUMBER OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. 25% (MIN) OF RECEIVERS PROVIDED, BUT NO FEWER THAN TWO, SHALL BE HEARING AID COMPATIBLE IN ACCORDANCE WITH CBC SECTION 11B-706.3
3. SIGNAGE SHALL BE POSTED IN A PROMINENT PLACE INDICATING THE AVAILABILITY OF ASSISTIVE LISTENING DEVICES.
4. OWNER/SCHOOL DISTRICT SHALL PROVIDE A PERMANENT OR PORTABLE ASSISTIVE LISTENING SYSTEM.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24575 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES	24' x 40' PC
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023
P.C. SHEET NUMBER	A-0.1

WILDLAND URBAN INTERFACE REQUIREMENTS ☐

WHEN THIS BUILDING IS TO BE INSTALLED WHERE THE REQUIREMENTS OF CHAPTER 7A OF THE 2022 CBC ARE APPLICABLE COMPLIANCE WITH THE APPLICABLE REQUIREMENTS SHALL BE AS OUTLINED BELOW:

CHAPTER 7A REQUIREMENTS:

705A ROOFING

705A.1 - ROOF SHALL BE CLASS 'A'.
705A.2 - NOT APPLICABLE. NO VOIDS OCCUR, ROOF IS APPLIED DIRECTLY.
705A.3 - NOT APPLICABLE. NO VALLEYS OCCUR.
705A.4 - LEAF GUARDS/COVERS SHALL BE PROVIDED AT ALL GUTTERS.

706A VENTS

706A.2 - THE UNDER-FLOOR ACCESS AND VENT OPENINGS SHALL BE COVERED WITH CORROSION RESISTANT WIRE MESH WITH A CLEAR OPENING NOT EXCEEDING 1/8".
706A.3 - THE SOFFIT VENTS SHALL BE VULCAN TECHNOLOGIES MODEL #VE OR VSC SOFFIT VENT COVERS (PER CASFM LISTING 8165-2192:0100).

707A EXTERIOR COVERINGS

707A.3 - EXTERIOR WALL FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER 1/2" OSB OVER STUDS OR 19/32" DURATEMP SIDING OVER STUDS (PER SFM LISTING# 8140-2031:0004).
707A.4 - NOT APPLICABLE. NO OPEN ROOF EAVES OCCUR.
707A.5 - SOFFIT FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER FRAMING OR ALLURA FIBER-CEMENT PANELS (NON-COMBUSTIBLE) (PER ESR-1668).
707A.6 - NOT APPLICABLE. DOES NOT OCCUR
707A.7 - NOT APPLICABLE. DOES NOT OCCUR
707A.8 - NOT APPLICABLE. DOES NOT OCCUR
707A.9 - NOT APPLICABLE. DOES NOT OCCUR

708A EXTERIOR DOORS AND WINDOWS

708A.2 - NOT APPLICABLE. DOES NOT OCCUR
708A.3 - EXTERIOR DOORS AND FRAMES ARE NON-COMBUSTIBLE (HOLLOW METAL).
708A.4 - NOT APPLICABLE.

709A - DECKING - THE EXTERIOR DECKING (WHERE APPLICABLE) IS A NON-COMBUSTIBLE STEEL FRAME AND DECK. SKIRTING MATERIAL (WHERE APPLICABLE) SHALL BE 19/32" DURATEMP SIDING (PER SFM LISTING# 8140-2031:0004).

710A - NOT APPLICABLE.

WINDOW SCHEDULE

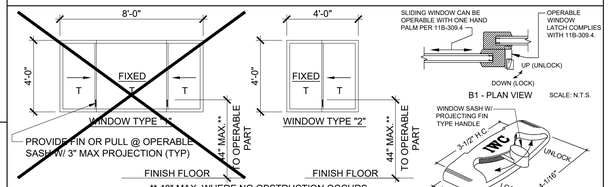
WINDOW NO.	TYPE	SIZE WIDTH	SIZE HEIGHT	FRAME MAT.	OPERABLE	MAX U-FACTOR	REQUIRED SHGC	MIN VT	NFRC RATED	GLASS SPECS	NOTES
A	1	8'-0"	4'-0"	ANOD	YES	0.520	0.350	0.610	YES	DP	
B	2	4'-0"	4'-0"	ANOD	YES	0.520	0.350	0.610	YES	DP	

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME
DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD
T: TEMPERED GLASS

NOTES:
1. ALL OPERABLE SASH SHALL HAVE SCREENS.
2. TEMPORARY NFRC LABELS SHALL STAY ON WINDOWS UNTIL PROJECT INSPECTOR HAS VERIFIED INSTALLED FENESTRATION MATCHES WINDOW SCHEDULE ON PLAN.

WINDOW TYPE



** 48" MAX. WHERE NO OBSTRUCTION OCCURS

NOTE:
1. OPERABLE WINDOW CONTROLS SHALL COMPLY WITH CBC 11B.309.4 AND SHALL NOT REQUIRE TIGHT GRASPING,PINCHING OR TWISTING OF THE WRIST.
2. WINDOW CONTROLS SHALL NOT REQUIRE MORE THAN 5LBS OF FORCE TO OPEREATE
3. THE REQUIRED FORCE TO PUSH/PULL THE WINDOW PANEL SHALL NOT EXCEED 5LBS
4. ALL SAFETY GLAZING SHALL BE IDENTIFIED PER CBC CHAPTER 24.

B2 - PERSPECTIVE VIEW of OPERABLE WINDOW LATCH

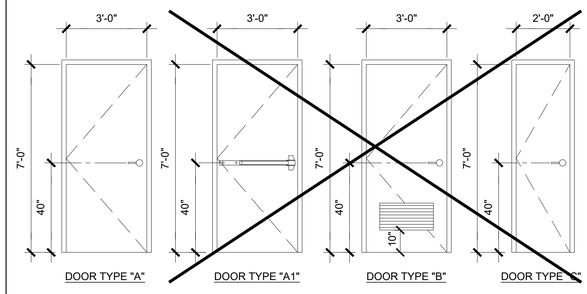
DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT./FIN	FRAME MAT./FIN	HARDWARE SET	LOCKABLE FROM INT.	NOTES*
1	3'-0"	7'-0"	A		HM	KD	HW - 1	YES	
1P	3'-0"	7'-0"	A1		HM	KD	HW - 2	YES	
2	3'-0"	7'-0"	A		SCL	KD	HW - 3	NO	
3	3'-0"	7'-0"	B		HM	KD	HW - 4	NO	
4	3'-0"	7'-0"	B		HM	KD	HW - 5	NO	NO CLOSER REQ'D.
5	2'-0"	7'-0"	C		HM	KD	HW - 6	NO	

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 18GA HOLLOW METAL
WF: 16GA WELDED FRAME
AL: ALUMINUM
SST: STAINLESS STEEL
KD: KNOCK DOWN FRAME
SCL: SOLID CORE WOOD LEGACY
HC: HOLLOW CORE WOOD
PT: PAINTED
* EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 1.450 MAX

DOOR TYPES & NOTES



1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTED AT 40" AFF HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5,11B-404.1 & 1010.
6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR.
7. PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING;
   - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEASE ONE-HALF OF THE DOOR LEAF WIDTH.
   - THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2022 CBC, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10
8. ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES.
9. ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE.
10. FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.

FINISH SCHEDULE

ROOM NAME	FLOORING FLOOR	FLOORING BASE	WALL FINISH FRONT	WALL FINISH LEFT	WALL FINISH REAR	WALL FINISH RIGHT	CEILING	CEILING HT	NOTES
CLASSROOM 101	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
CLASSROOM 102	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
TOILET 103	SV	6" TS	FRP	FRP	FRP	FRP	CP	8'-0"	SEE 10/A-5.70
GIRLS 104	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	SEE 10/A-5.70
BOYS 105	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	SEE 10/A-5.70
STAFF 106	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	SEE 10/A-5.70
STAFF 107	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	SEE 10/A-5.70
PLUMBING CHASE	---	---	---	---	---	---	---	---	

FLOOR, WALL, CEILING MATERIALS

FLOORING
CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV: SHEET VINYL FLOORING W/ FULLY SEALED JOINTS
VCT: VINYL COMPOSITION TILE

BASE
4" TS: 4" TOP SET BASE
6" TS: 6" TOP SET BASE
SC: 6" SELF-COVE BASE, CONTINUE FLOOR MATERIAL UP THE WALL PER 10/A-5.70

WALLS
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD
GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY: 1/2" PLYWOOD FINISH
NF: NO FINISH

CEILING
CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
3. RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2022 CBC. CARPET EDGED SHALL COMPLY WITH THE 2022 CBC

DOOR HARDWARE

CLASSROOM - EXTERIOR DOOR HW-1

LOCKSET	TAL LHV75-LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 ½" x 4 ½" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal

DOOR W/ PANIC HARDWARE - EXTERIOR DOOR HW-2

EXIT DEVICE	VON DUPRIN AX-99L-PA-2	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123 W/ 20-079	Finish 626	or equal
BUTTS	TAL BB179 4 ½" x 4 ½" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal

EMERGENCY EXIT AND PANIC HARDWARE IS TO COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302:
a) THE CROSS BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.
d) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

STAFF RESTROOM / SINGLE-OCCUPANCY - INTERIOR DOOR HW-3

LOCKSET	TAL LHV40 SAT	Finish 626	or equal
BUTTS	TAL BB179 4 ½" x 4 ½" NRP	Finish 626	or equal

BOYS & GIRLS RESTROOM - EXTERIOR DOOR HW-4

LOCKSET	TAL LHV70-LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 ½" x 4 ½" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

STAFF RESTROOM - EXTERIOR DOOR HW-5

LOCKSET	SCHLAGE L9496J-06A X 09-509 X L583-363	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 ½" x 4 ½" NRP	Finish 626	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

CHASE EXTERIOR DOOR - INTERIOR DOOR HW-6

LOCKSET	TAL LHV70 LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 ½" x 4 ½" NRP	Finish 626	or equal

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL:
INSULATING MATERIAL FOR WALLS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING, JOHNS-MANVILLE, OR EQUAL.

INSULATING MATERIAL FOR ROOFS SHALL BE CLOSED CELL SPRAY FOAM AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL HAVE A MINIMUM R-VALUE OF R-6 PER EACH INCH OF THICKNESS, AN AIR PERMEANCE RATE OF NOT MORE THAN 0.02 L/s AT 75 Pa, AND A WATER VAPOR TRANSMISSION RATE OF NOT MORE THAN 0.9 PERMS. THE FOAM SHALL BE APPLIED TO FILL ALL VOIDS IN THE ROOF FRAMING MEMBERS.

MIN INSULATION VALUES:

WOOD STUD EXTERIOR WALL INSULATION (MIN.)
☐ R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY)
☑ R-19 (6" WALL)
☐ R-30 (8" WALL)

STEEL STUD EXTERIOR WALL INSULATION (MIN.)
☐ R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY)
☐ R-19 BATT + R-8.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL ((6" WALL)
☐ R-30 BATT + R-8.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (8" WALL)

INTERIOR WALL INSULATION (MIN.)
R-13

FLOOR INSULATION
☐ NONE (CONCRETE MASS)
☐ R-11 (MIN) + CONCRETE MASS
☑ R-19 (MIN)

ROOF INSULATION (MIN.)
R-30 (5" MIN. DEPTH) CLOSED CELL SPRAY FOAM

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VALLE LINDO
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(1) 24' x 40' **FB-26-15**

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REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24775 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

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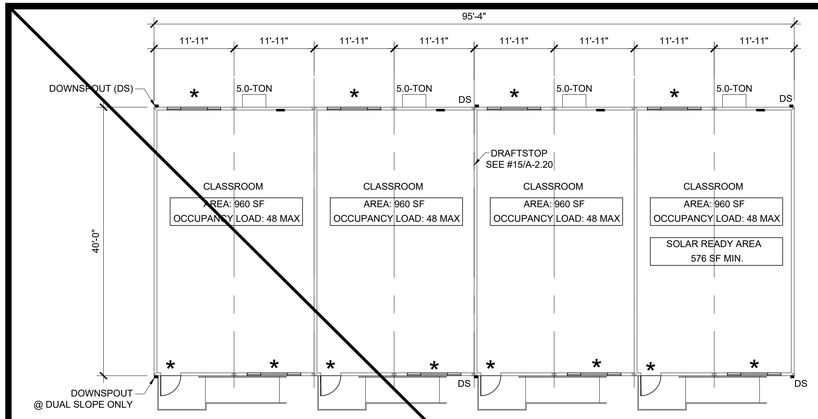
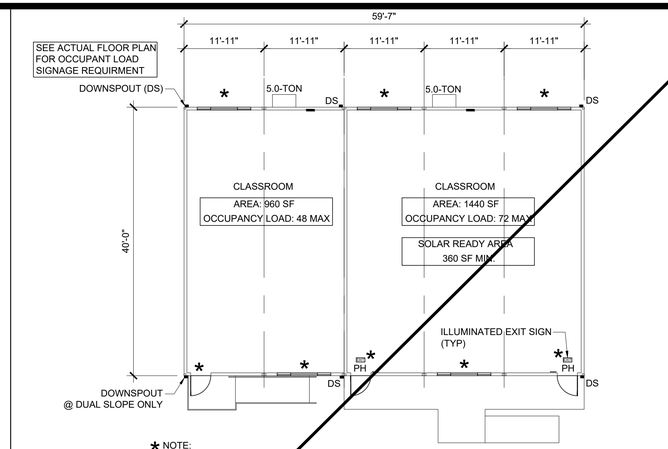


SEE ACTUAL FLOOR PLAN FOR OCCUPANT LOAD SIGNAGE REQUIRMENT

★ NOTE:
1. DOOR / WINDOW PLACEMENTS MAY VARY. IF AREA OF THE WINDOW AND/OR DOOR OPENINGS IN ANY WALL EXCEEDS WHAT IS SHOWN ON THIS PLAN A NEW PROJECT SPECIFIC ENERGY CALCULATION SHALL BE PROVIDED.
2. OPT. INTERIOR PARTITIONS MAY BE ADDED FOR BLDGS. WITH FLOOR LIVE LOADS OF 50+15, 100, OR 150 PSF AND SHALL BE SUBMITTED TO DSA FOR REVIEW. REFER TO STRUCTURAL DWGS. FOR WALL ATTACHMENT.

DRAFT STOP NOT REQUIRED W/ FIRE SPRINKLERS

96' x 40' KEY PLAN (TOTAL AREA - 3840 SF) SCALE: 3/32" = 1' - 0" | 7



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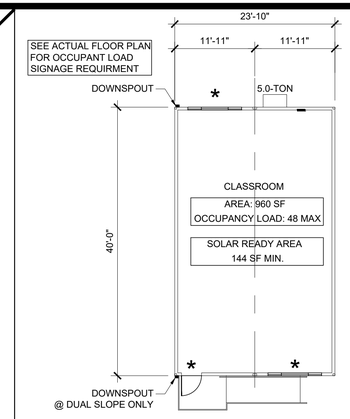
3. PROVIDE PANIC HARDWARE FOR ROOMS WITH TWO OR MORE EXIT DOORS.
4. PROVIDE TACTILE EXIT SIGN, PER DETAIL ON SHEET A-0.1, (TYP), SEE FLOOR PLAN SHT. FOR LOCATIONS

60' x 40' KEY PLAN (TOTAL AREA - 2400 SF) SCALE: 3/32" = 1' - 0" | 4



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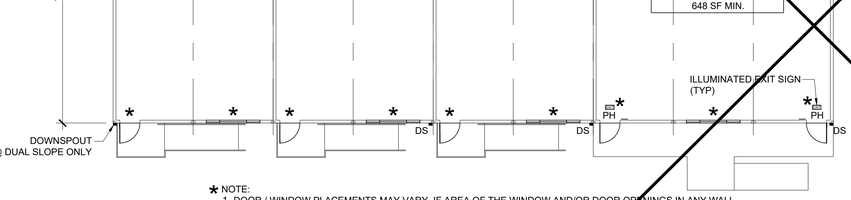
24' x 40' KEY PLAN (TOTAL AREA - 960 SF) SCALE: 3/32" = 1' - 0" | 1



SEE ACTUAL FLOOR PLAN FOR OCCUPANT LOAD SIGNAGE REQUIRMENT

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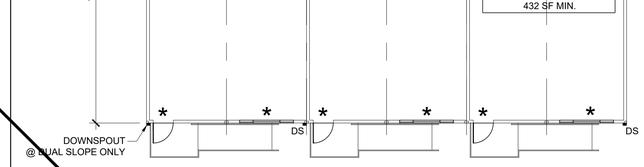
DRAFT STOP NOT REQUIRED W/ FIRE SPRINKLERS

108' x 40' KEY PLAN (TOTAL AREA - 4320 SF) SCALE: 3/32" = 1' - 0" | 8



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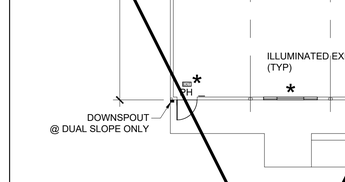
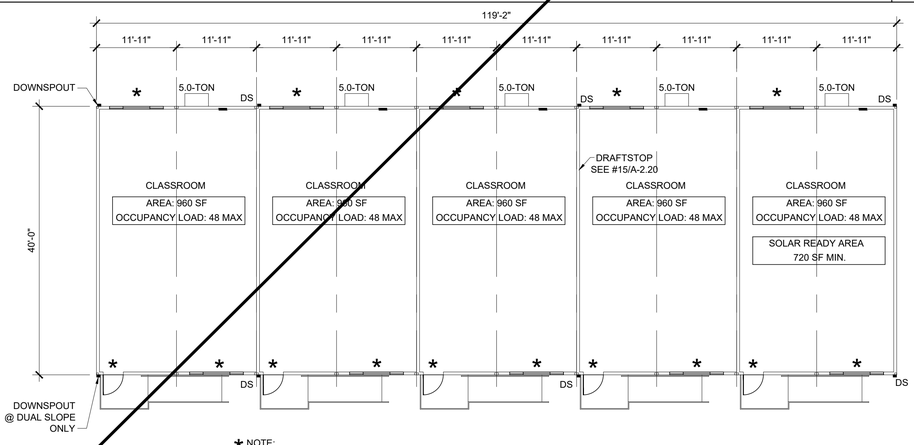
72' x 40' KEY PLAN (TOTAL AREA - 2880 SF) SCALE: 3/32" = 1' - 0" | 5



★ NOTE:
1. DOOR / WINDOW PLACEMENTS MAY VARY. IF AREA OF THE WINDOW AND/OR DOOR OPENINGS IN ANY WALL EXCEEDS WHAT IS SHOWN ON THIS PLAN A NEW PROJECT SPECIFIC ENERGY CALCULATION SHALL BE PROVIDED.
2. OPT. INTERIOR PARTITIONS MAY BE ADDED FOR BLDGS. WITH FLOOR LIVE LOADS OF 50+15, 100, OR 150 PSF AND SHALL BE SUBMITTED TO DSA FOR REVIEW. REFER TO STRUCTURAL DWGS. FOR WALL ATTACHMENT.
3. PROVIDE PANIC HARDWARE FOR ROOMS WITH TWO OR MORE EXIT DOORS.
4. PROVIDE TACTILE EXIT SIGN, PER DETAIL ON SHEET A-0.1, (TYP), SEE FLOOR PLAN SHT. FOR LOCATIONS

36' x 40' KEY PLAN (TOTAL AREA - 1440 SF) SCALE: 3/32" = 1' - 0" | 2

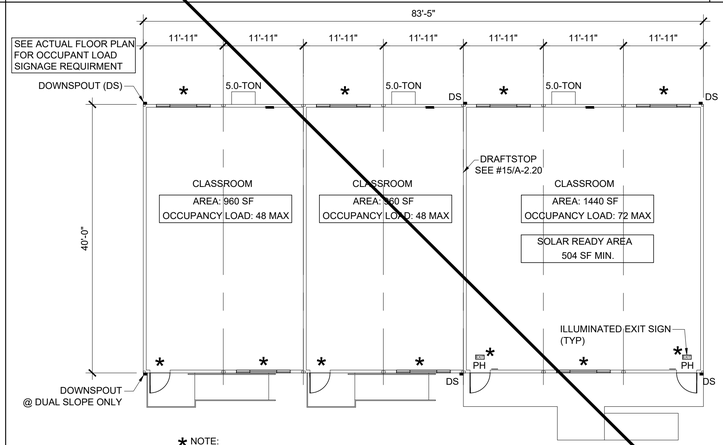


SEE ACTUAL FLOOR PLAN FOR OCCUPANT LOAD SIGNAGE REQUIRMENT

★ NOTE:
1. DOOR / WINDOW PLACEMENTS MAY VARY. IF AREA OF THE WINDOW AND/OR DOOR OPENINGS IN ANY WALL EXCEEDS WHAT IS SHOWN ON THIS PLAN A NEW PROJECT SPECIFIC ENERGY CALCULATION SHALL BE PROVIDED.
2. OPT. INTERIOR PARTITIONS MAY BE ADDED FOR BLDGS. WITH FLOOR LIVE LOADS OF 50+15, 100, OR 150 PSF AND SHALL BE SUBMITTED TO DSA FOR REVIEW. REFER TO STRUCTURAL DWGS. FOR WALL ATTACHMENT.

DRAFT STOP NOT REQUIRED W/ FIRE SPRINKLERS

120' x 40' KEY PLAN (TOTAL AREA - 4800 SF) SCALE: 3/32" = 1' - 0" | 9



DRAFT STOP NOT REQUIRED W/ FIRE SPRINKLERS

★ NOTE:
1. DOOR / WINDOW PLACEMENTS MAY VARY. IF AREA OF THE WINDOW AND/OR DOOR OPENINGS IN ANY WALL EXCEEDS WHAT IS SHOWN ON THIS PLAN A NEW PROJECT SPECIFIC ENERGY CALCULATION SHALL BE PROVIDED.
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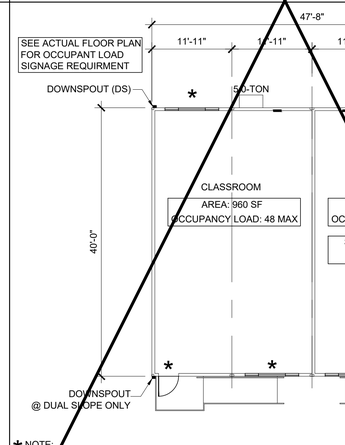
3. PROVIDE PANIC HARDWARE FOR ROOMS WITH TWO OR MORE EXIT DOORS.
4. PROVIDE TACTILE EXIT SIGN, PER DETAIL ON SHEET A-0.1, (TYP), SEE FLOOR PLAN SHT. FOR LOCATIONS

84' x 40' KEY PLAN (TOTAL AREA - 3360 SF) SCALE: 3/32" = 1' - 0" | 6



★ NOTE:
1. DOOR / WINDOW PLACEMENTS MAY VARY. IF AREA OF THE WINDOW AND/OR DOOR OPENINGS IN ANY WALL EXCEEDS WHAT IS SHOWN ON THIS PLAN A NEW PROJECT SPECIFIC ENERGY CALCULATION SHALL BE PROVIDED.
2. OPT. INTERIOR PARTITIONS MAY BE ADDED FOR BLDGS. WITH FLOOR LIVE LOADS OF 50+15, 100, OR 150 PSF AND SHALL BE SUBMITTED TO DSA FOR REVIEW. REFER TO STRUCTURAL DWGS. FOR WALL ATTACHMENT.

48' x 40' KEY PLAN (TOTAL AREA - 1920 SF) SCALE: 3/32" = 1' - 0" | 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

TYPICAL KEY PLANS
24' - 120' x 40'

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARK 29775 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.3

Zone Zip Code (Weather Station)	Rotation	☑ 24x40 (1) 5-ton unit						
		TDV Eff.	%	TDV Total	%	Source EN.	%	Result
Zone 14 92301 (PALMDALE)	30	75.68	18.0%	75.68	18.0%	6.98	19.3%	0.0%
	75	78.22	18.3%	78.22	18.3%	7.26	19.8%	0.0%
	120	78.82	18.5%	78.82	18.5%	7.27	19.8%	0.0%
	165	69.06	16.8%	69.06	16.8%	6.39	17.9%	0.0%
	210	72.38	17.4%	72.38	17.4%	6.65	18.5%	0.0%
	255	74.24	17.7%	74.24	17.7%	6.87	19.0%	0.0%
	300	75.17	17.9%	75.17	17.9%	6.93	19.2%	0.0%
	345	68.01	16.6%	68.01	16.6%	6.32	17.9%	0.0%
Zone 15 92225 (PALM SPRINGS)	30	72.14	16.8%	72.14	16.8%	6.79	20.9%	0.0%
	75	76.94	17.6%	76.94	17.6%	7.22	21.9%	0.0%
	120	78.02	17.8%	78.02	17.8%	7.34	22.2%	0.0%
	165	67.89	16.1%	67.89	16.1%	6.41	20.1%	0.0%
	210	68.26	16.1%	68.26	16.1%	6.53	20.3%	0.0%
	255	70.52	16.4%	70.52	16.4%	6.80	20.9%	0.0%
	300	67.87	15.9%	67.87	15.9%	6.61	20.5%	0.0%
	345	65.76	15.6%	65.76	15.6%	6.27	19.7%	0.0%
Zone 16 96006 (BLUE CANYON)	30	53.58	15.0%	53.58	15.0%	19.96	33.1%	0.0%
	75	56.56	15.7%	56.56	15.7%	20.06	33.2%	0.0%
	120	54.70	15.2%	54.70	15.2%	19.96	33.0%	0.0%
	165	43.85	12.6%	43.85	12.6%	19.58	32.7%	0.0%
	210	57.00	15.8%	57.00	15.8%	20.16	33.3%	0.0%
	255	60.18	16.5%	60.18	16.5%	20.16	33.3%	0.0%
	300	56.39	15.6%	56.39	15.6%	19.88	33.0%	0.0%
	345	46.54	13.3%	46.54	13.3%	19.52	32.7%	0.0%

☐ 36x40 (1) 5-ton unit						
TDV Eff.	%	TDV Total	%	Source EN.	%	Result
95.31	26.2%	95.31	26.2%	8.77	28.3%	PASS
98.31	26.5%	98.31	26.5%	9.05	28.8%	PASS
97.91	26.5%	97.91	26.5%	8.99	28.7%	PASS
88.70	25.0%	88.70	25.0%	8.13	26.9%	PASS
95.51	26.3%	95.51	26.3%	8.75	28.3%	PASS
98.80	26.7%	98.80	26.7%	9.07	28.9%	PASS
98.08	26.6%	98.08	26.6%	8.98	28.7%	PASS
87.68	24.8%	87.68	24.8%	8.04	26.7%	PASS
7.51	2.6%	7.51	2.6%	0.51	2.5%	PASS
6.59	2.2%	6.59	2.2%	0.52	2.6%	PASS
7.89	2.7%	7.89	2.7%	0.55	2.7%	PASS
16.78	5.6%	16.78	5.6%	0.56	2.8%	PASS
15.35	5.2%	15.35	5.2%	0.46	2.3%	PASS
8.56	2.9%	8.56	2.9%	0.66	3.3%	PASS
8.02	2.7%	8.02	2.7%	0.56	2.8%	PASS
8.18	2.8%	8.18	2.8%	0.43	2.2%	PASS
70.82	22.8%	70.82	22.8%	19.50	38.6%	PASS
74.47	23.6%	74.47	23.6%	19.55	38.6%	PASS
70.44	22.6%	70.44	22.6%	19.31	38.2%	PASS
63.49	21.0%	63.49	21.0%	19.05	38.0%	PASS
71.64	23.0%	71.64	23.0%	19.51	38.6%	PASS
74.64	23.7%	74.64	23.7%	19.54	38.6%	PASS
70.14	22.5%	70.14	22.5%	19.32	38.3%	PASS
63.68	21.0%	63.68	21.0%	19.10	38.1%	PASS

☐ **48x40**
(2) 5-ton units

(2) 24x40 CLASSROOMS

☐ **60x40**
(2) 5-ton units

(1) 24x40 CLASSROOM +
(1) 36x40 CLASSROOM

☐ **72x40**
(3) 5-ton units

(3) 24x40 CLASSROOMS

☐ **84x40**
(3) 5-ton units

(2) 24x40 CLASSROOMS +
(1) 36x40 CLASSROOM

☐ **96x40**
(4) 5-ton units

(4) 24x40 CLASSROOMS

☐ **108x40**
(4) 5-ton units

(3) 24x40 CLASSROOMS +
(1) 36x40 CLASSROOM

☐ **120x40**
(5) 5-ton units

(5) 24x40 CLASSROOMS

Envelope Min Design - Zone: 1-16		
Buildings: All		
Assembly	U-Value	Insulation R-Value
Walls:	0.062	R-19 batt
Floor:	0.054	R-19 batt
Roof:	0.055	R-30 Foam

☐

HVAC Min Design - Zone: 1-16	
Building: 24 x 40	
Tonnage	5
Min. EER / COP	11.0/3.3
Outside Air	See Ventilation Calcs on Mechanical Plans
Occupancy Sensor	Yes
DCV/ Economizer	Yes
Cooling Stages (Min.)	1
Allowable Mechanical Unit (See Equipment Schedule)	SPVU 1 STANDARD; SPVU 2 OPTIONAL

☐

HVAC Min Design - Zone: 1-16	
Buildings: 36 x 40	
Tonnage	5
Min. EER / COP	11.0/3.3
Outside Air	See Ventilation Calcs on Mechanical Plans
Occupancy Sensor	Yes
DCV/ Economizer	Yes
Cooling Stages (Min.)	2
Allowable Mechanical Unit (See Equipment Schedule)	SPVU 2 STANDARD

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTES:
- Interior lights shall be dimmable LED fixtures, 51 Watts Max per fixtures, 4 fixtures per module per floor
- Windows shall be NFRC #INT-A-73-00213-00011 or equal, U-Factor = 0.520 (Max), SHGC = 0.350 (Max), Visual Transmittance = 0.610 (Min)
- Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 1.450 (Max)
- Refer to sheet A-0.2 For windows specifications
- Refer to sheet A-0.2 For insulation specifications
- Refer to sheets A-0.3 for mechanical layout per classroom
- Refer to Mechanical plans for more info
- Where Steel stud walls are used the exterior wall assembly shall be as follows:
  U-Value 0.062 (max) - provide 6" (Nominal) studs @ 24" oc with R-19 batt cavity insulation and continious 1.5" rigid foam insulation (R=8.8 min) on the interior side of the wall.

DESIGN ENERGY VALUES BY BUILDING SIZE - WOOD FLOOR - WALL HVAC

ENERGY SPECS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:
DESIGN ENERGY VALUES
WOOD FLOOR - WALL HVAC

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24775
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
A-0.53

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
This document is used to demonstrate compliance with mandatory commissioning requirements in 120.8 for nonresidential buildings and hotel/motel or mixed-use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.		
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 1 of 6)
Project Address:		**Date Prepared:** 2023-01-31T18:53:26-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Perris	04	Building Size (ft²)	960
02	Occupancy Type	Nonresidential	05	Nonresidential Conditioned Floor Area (ft²)	< 10,000 ft²
03	Project Type	Newly constructed	06	HVAC System Type	Unitary or packaged equipment each serving one zone
			07	Climate Zone	10

B. PROJECT SCOPE

Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per 120.8. Table B is not editable by the user.

Commissioning Requirements per 120.8

01	Table F: Design Review Kickoff	120.8(d)1 and 120.8(d)2	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)	120.8(b)	This requirement does not apply.
03	Table H: Basis of Design (BOD)	120.8(c)	This requirement does not apply.
04	Table I: Design Review	120.8(d) and 120.8(e)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with >= 10,000 ft² of nonresidential conditioned floor area, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan	120.8(f)	This requirement does not apply.
06	Table K: Functional Performance Testing	120.8(g)	This requirement does not apply.
07	Table L: Documentation and Training	120.8(h)	This requirement does not apply.
08	Table M: Commissioning Report	120.8(i)	This requirement does not apply.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0005 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 2 of 6)
Project Address:		**Date Prepared:** 2023-01-31T18:53:26-05:00

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 120.8. This table is not editable by the user. If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09
Design Kickoff Review	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	Compliance Results
Table F	Table G	Table H	Table I	*Table J*	Table K	Table L	Table M	
Yes			Yes					COMPLIES
10	Design Reviewer(s) for the project include:			John Starlin				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.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0005 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 3 of 6)
Project Address:		**Date Prepared:** 2023-01-31T18:53:26-05:00

F. DESIGN REVIEW KICKOFF MEETING

This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)1 and demonstrates compliance with design review kickoff requirements per 120.8(d)2. This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting		2022-12-05	
02	Meeting Attendees: (one person may play multiple roles)			
☒	Owner/Facility Manager:	Ryan McIntosh	☐ Design Reviewer(s)	
☐	Project Manager:		☒ Design Architect/ Engineer(s):	John Starlin
☐	Contractor:		☐ Certified Acceptance Test Tech(s):	
☐	Commissioning Provider:		☒ Energy/ 724 Part 6 Consultant:	John Starlin

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)1

	The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.	Do the Design Reviewer(s) meet these qualifications?	
03	In addition, for buildings with < 10,000 ft², the design reviewer(s) may be the engineer or architect of record. The design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect or contractor.	Yes ●	No ○
04	The design reviewer(s) for this project will be:	John Starlin	

Preliminary Construction Schedule

		Start Date	Completion Date
05	Schematic Design	2022-12-05	2022-12-05
06	Design Development	2022-12-05	2022-12-05
07	Construction Documents	2022-12-05	2023-02-24
08	Construction	2024-01-01	2024-01-01
09	Building Turnover	2024-01-01	2024-01-01

Project Goals Related to Energy Efficiency

10	Operational Costs	Code Minimum performance
11	Desired Building Lifespan	30 - 50 years.
12	Equipment Lifecycle	Industry standard.
13	Project Energy Efficiency Goals	Code Minimum performance

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0005 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 4 of 6)
Project Address:		**Date Prepared:** 2023-01-31T18:53:26-05:00

F. DESIGN REVIEW KICKOFF MEETING

14	Envelope Goals	Code minimum performance.
15	HVAC System Goals	Code minimum performance.
16	Indoor Lighting System Goals	Code minimum performance.
17	Outdoor Lighting System Goals	Code minimum performance.
18	Water Heating System Goals	Code minimum performance.
19	Equipment and System Specifications	Industry standard equipment.
20	Operations and Maintenance	No specific requirements.

G. OWNER'S PROJECT REQUIREMENTS (OPR)

This section does not apply to this project.

H. BASIS OF DESIGN (BOD)

This section does not apply to this project.

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

This table is only completed if a design review document is not attached to permit application to demonstrate compliance with 120.8(b) and 120.8(e). For buildings with >= 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G.) and the Basis of Design Documents (Table H.). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table I. during the Design Review Kickoff.

		YES	NO
01	Attaching Completed Design Review Documentation?	○	●

Design Review Checklist

02	Envelope Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
03	HVAC System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
04	HVAC Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
05	Indoor Lighting System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
06	Indoor Lighting Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0005 Report Generated: 2023-01-31 15:53:28

CERTIFICATE OF COMPLIANCE, NONRESIDENTIAL BUILDING COMMISSIONING

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 1 of 6)
Project Address:		**Date Prepared:** 2023-01-31T18:53:26-05:00

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

07	Outdoor Lighting System and Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
08	Water Heating System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
09	Other Systems and Features	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

J. COMMISSIONING PLAN

This section does not apply to this project.

K. FUNCTIONAL PERFORMANCE TESTING

This section does not apply to this project.

L. DOCUMENTATION AND TRAINING

This section does not apply to this project.

M. COMMISSIONING REPORT

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0005 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 6 of 6)
Project Address:		**Date Prepared:** 2023-01-31T18:53:26-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ryan McIntosh	Documentation Author Signature:
Company: Silver Creek Industries, LLC	Signature Date: 02-20-2023
Address: 2830 Barrett Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

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: John Starlin	Responsible Designer Signature:
Company: Silver Creek Industries, LLC	Date Signed: 02-20-2023
Address: 2830 Barrett Ave	License: 2475
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
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STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2F for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4bvii		
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 1 of 4)
Project Address:		**Date Prepared:** 2023-01-31T18:53:58-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Perris	02	Climate Zone	10
			03	Occupancy Types Within Project:	Classroom

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work[1]	Rating[2] (kVA)	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
Site feeder	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/ 160.3, 130.1/ 160.5, and 130.5/ 160.5, and mechanical, Indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1]FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
[2] If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0006 Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 2 of 4)
Project Address:		**Date Prepared:** 2023-01-31T18:53:58-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05	06
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	**Compliance Results**
	AND		AND	Yes	AND			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.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Hii/ 180.2(b)4Bviic.

01	02			03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method			Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
						Pass	Fail
Site feeder	☒ Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	Contractor Responsible		☐	☐

** NOTES: If "Permitted by CA Elec Code * " is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
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STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 3 of 4)
Project Address:		**Date Prepared:** 2023-01-31T18:53:58-05:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0006 Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	**Report Page:** (Page 4 of 4)
Project Address:		**Date Prepared:** 2023-01-31T18:53:58-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ryan McIntosh	Documentation Author Signature:
Company: Silver Creek Industries, LLC	Signature Date: 02-20-2023
Address: 2830 Barrett Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

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: John Starlin	Responsible Designer Signature:
Company: Silver Creek Industries, LLC	Date Signed: 02-20-2023
Address: 2830 Barrett Ave	License: 2475
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
Documentation Software: Energy Code Ace Compliance ID: 86563-0123-0006 Report Generated: 2023-01-31 15:54:00

CERTIFICATE OF COMPLIANCE, ELECTRICAL POWER DISTRIBUTION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN 2475 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.6A

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 1 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2I, 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)	Perris	04	Total Illuminated Hardscape Area (ft²)	60
02	Climate Zone	10			
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				
• Classroom					

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)2I. / 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 C. 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:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 2 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

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)2I. / 180.2(b)4Bv											Compliance Results		
01		02		03		04		05		06		07	08	09
General Hardscape Allowance 140.7(d1) / 170.2(e)6 (See Table I)	+	Per Application Allowance 140.7(d2) / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d2 (See Table K)	+	Ornamental 140.7(d2) / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d2) / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2I. / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	**Total Actual** (Watts)	**07 must be >= 08**
258.06	+	19	+	---	+	---	+	---	OR	---	=	277.06	30	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.

Selections made in Certificates of Installation Table have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.

E. ADDITIONAL REMARKS

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

(NRCI-LTO-01-E Explanation) 1

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 3 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

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)2I. 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, 3]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[5]	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
F-1	0 Watt LED Wallpack	☐ Linear	30	Mfr. Spec	1	New	☐	30	NA: < 6200 lumens	☐	☐
							Total Design Watts:	30			

* 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/ft 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.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 4 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Entry; "F-1"	Photocontrol	Provided	NA: Facade, etc. >=24 ft	☐	☐

[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 I and iii.*

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 5 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

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-B 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.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

01				
☒ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
	☒ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

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)	
Entry	60	0.021	1.26	34	0.2	6.8	8.06
				Initial Wattage Allowance for Entire Site (Watts):			250
				Instances of Initial Wattage Allowance (LZ 0 only)[1]			
				Total General Hardscape Allowance (Watts):			258.06

J. LIGHTING ALLOWANCE: PER APPLICATION

This table includes areas using the wattage allowance per application from Table 140.7-B / Table 170.2-S.

01	02	03	04	05	06	07	08	09	10
Area Description	Application per Table 140.7-B[1]	CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				Additional Allowance (Watts)
		# of Locations	Allowance per Location[2]	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	
Entry Door	Building Entrance/Exit	1	19	19	F-1	30	1	30	19
					Total Design Watts for this Area:			30	
					Total Allowance (Watts) All Areas:				19

[1] *FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.*
[2] *The Allowance per Location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7-B /Table 170.2-S.*
[3] *For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.*

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 | Schema Version: rev 20220101 | Compliance ID: 86563-0123-0007 | Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 6 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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.	Entry: "F-1"

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 7 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Ryan McIntosh	
Company: Silver Creek Industries, LLC	Signature Date: 02-16-2023
Address: 2830 Barrett Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

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: John Starin	Responsible Designer Signature:
Company: Silver Creek Industries, LLC	Date Signed: 02-16-2023
Address: 2830 Barrett Ave	License: 2475
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 8 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Ryan McIntosh	
Company: Silver Creek Industries, LLC	Signature Date: 02-16-2023
Address: 2830 Barrett Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

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Responsible Designer Name: John Starin	Responsible Designer Signature:
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CERTIFICATE OF COMPLIANCE, OUTDOOR LIGHTING

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 1 of 6)
Project Address:		Date Prepared: 2023-02-02T16:17:35-05:00

This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.

A. GENERAL INFORMATION

01	Project Location (city)	Perris	02	Climate Zone	10
03	Occupancy Types Within Project (select all that apply):				
• Classroom sinks and restroom lavatories					

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140.7 / 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03	
My project consists of (check all that apply):	System Type[1,2]	System Components	
☒ New system (DHW system being installed for the first time in newly constructed building)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution ☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution ☐ Controls

[1] *FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*
[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*
[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

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

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 2 of 6)
Project Address:		Date Prepared: 2023-02-02T16:17:35-05:00

E. ADDITIONAL REMARKS

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

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1 / 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03	04	05	06					
System Name	WH-1	Exception to 140.5(c)/ 170.2(d)3	Exceptions Do Not Apply	☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %		
07	08	09	10		11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
WH-1	Consumer Rated Electric Instantaneous (<=12kW)	<=2	10,264	0 <= GPM <1.7	0.91	0.91	UEF		

[1] *FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 3 of 6)
Project Address:		Date Prepared: 2023-02-02T16:17:35-05:00

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☒	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 4 of 6)
Project Address:		Date Prepared: 2023-02-02T16:17:35-05:00

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	☐	☐	☒	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	☐	☐	☒	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☐	☒	Newly installed boilers with an input capacity (dgte/) 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 | Schema Version: rev 20220101 | Compliance ID: 86563-0223-0009 | Report Generated: 2023-02-02 13:17:38

CERTIFICATE OF COMPLIANCE, WATER HEATER SYSTEM

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 5 of 6)
Project Address:		Date Prepared: 2023-02-02T16:17:35-05:00

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 | Schema Version: rev 20220101 | Compliance ID: 86563-0223-0009 | Report Generated: 2023-02-02 13:17:38

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 6 of 6)
Project Address:		Date Prepared: 2023-02-02T16:17:35-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Ryan McIntosh	
Company: Silver Creek Industries, LLC	Signature Date: 02-16-2023
Address: 2830 Barrett Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

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

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-PV	Report Page: (Page 1 of 5)
Project Address:		Date Prepared: 2023-02-17T18:05:07-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

A. GENERAL INFORMATION

01	Project Location (city)	N/A	04	Building Occupancies	School or Classroom
02	Climate Zone	15	05	Construction Type	New construction
03	Conditioned Floor Area (ft²)	4800	06	Number of Stories	Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)

	01
☐	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)
☐	Exception to PV and Battery: Not enough Solar Access Roof Area
☐	Exception to PV and Battery: Required PV < 4kW
☐	Exception to PV and Battery: No contiguous Solar Access Roof Area
☐	Exception to PV and Battery: Can't meet snow load
☐	Exception to PV and Battery: Multi-tenant without VNEM or Community Solar
☐	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.
☐	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.

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STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-PV	Report Page: (Page 2 of 5)
Project Address:		Date Prepared: 2023-02-17T18:05:07-05:00

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamily and hotel/ motel occupancies only)

	01
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04		05		06		07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See Table F)				(See Tables G or J)				(See Table H)				(See Table I)		
	<=		OR	11,810	<=	11,810	OR		<=		OR			
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).														COMPLIES
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.														Not Applicable

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

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STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-PV	Report Page: (Page 3 of 5)
Project Address:		Date Prepared: 2023-02-17T18:05:07-05:00

F. ALLOCATED SOLAR ZONE

This section does not apply to this project.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

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STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-PV	Report Page: (Page 4 of 5)
Project Address:		Date Prepared: 2023-02-17T18:05:07-05:00

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/ 170.2(g and h). Unless the project meets one of the listed exceptions, or trades-off PV in an energy model using performance path, 140.10/ 170.2(g and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

Photovoltaic (PV) System

01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof[1] (ft²)	Roof Area < 70% Solar Access[2] (ft²)	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area[3] (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (kWdc)
School or Classroom	4,800	5,700	0	Sheet A-0.7	0	5,700	11.8
						Total Min Size PV System Required for all Spaces (kWdc):	11.81
						Total Size PV System in Design (kWdc):	11.81

[1]FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Title 24, Part 2 Section 1511.2.
[2]Solar access must be determined using CEC approved solar access calculation tools found at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tools.
[3]As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

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CERTIFICATE OF COMPLIANCE, SOLAR & BATTERY - PV

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-PV	Report Page: (Page 1 of 5)
Project Address:		Date Prepared: 2023-02-17T18:05:07-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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Company: Silver Creek Industries, LLC	Signature Date: 02-20-2023
Address: 2830 Barrett Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

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Responsible Designer Name: John Starin	Responsible Designer Signature:
Company: Silver Creek Industries, LLC	Date Signed: 02-20-2023
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STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-PV	Report Page: (Page 2 of 5)
Project Address:		Date Prepared: 2023-02-17T18:05:07-05:00

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamily and hotel/ motel occupancies only)

	01
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04		05		06		07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See Table F)				(See Tables G or J)				(See Table H)				(See Table I)		
171	<=	172	OR	0	<=	0	OR		<=		OR			
N/A			OR	Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).										COMPLIES
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.														Not Applicable

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-Solar Ready	Report Page: (Page 1 of 7)
Project Address:		Date Prepared: 2023-02-17T18:06:54-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

A. GENERAL INFORMATION

01	Project Location (city)	N/A	04	Building Occupancies	School or Classroom
02	Climate Zone	15	05	Construction Type	New construction
03	Conditioned Floor Area (ft²)	960	06	Number of Stories	Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Readiness Requirements in 110.10(b)1B

	01
☒	Provide Solar Ready Area no exceptions	The project has allocated a solar zone on the roof plan per requirements in §110.10(b), as documented in Table F.
☐	Exception to Solar Ready Area: Installed Solar Photovoltaic System	The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area as documented in Table G.
☐	Exception to Solar Ready Area: Installed Solar Water Heating System	The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H.
☐	Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure	The project is a multifamily occupancy where all thermostats in each dwelling unit comply with §110.12(a) AND at least one additional measure listed in Exception 4 to §110.10(b)1B is installed, as documented in Table I.
☐	Exception to Solar Ready Area: Roof is designed for vehicular traffic, parking or for heliport	Plan sheet showing roof designed for vehicular traffic, parking or heliport
☐	Exception to Solar Ready Area: Roof too small	The project is new construction and has a total roof area <= 533 square feet[1]
☐	Exception to Solar Ready Area: Number of building stories	The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories.

[1]FOOTNOTE: Buildings with roof area <=533 ft² would have a required solar zone < 80 ft² and are therefore exempt per 110.10(b)1.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-Solar Ready	Report Page: (Page 2 of 7)
Project Address:		Date Prepared: 2023-02-17T18:06:54-05:00

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)

	01
☐	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)
☐	Exception to PV and Battery: Not enough Solar Access Roof Area
☒	Exception to PV and Battery: Required PV < 4kW
☐	Exception to PV and Battery: No contiguous Solar Access Roof Area
☐	Exception to PV and Battery: Can't meet snow load
☐	Exception to PV and Battery: Multi-tenant without VNEM or Community Solar
☐	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.
☐	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamily and hotel/ motel occupancies only)

	01
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-Solar Ready	Report Page: (Page 3 of 7)
Project Address:		Date Prepared: 2023-02-17T18:06:54-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04		05		06		07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See Table F)				(See Tables G or J)				(See Table H)				(See Table I)		
171	<=	172	OR	0	<=	0	OR		<=		OR			
N/A			OR	Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).										COMPLIES
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.														Not Applicable

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-Solar Ready	Report Page: (Page 4 of 7)
Project Address:		Date Prepared: 2023-02-17T18:06:54-05:00

F. ALLOCATED SOLAR ZONE

This table is completed if the project is designating a solar zone to comply with §110.10(b)1B. New construction consider the total roof area; Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allocated Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar zones must also comply with fire code requirements, including, but not limited to, setback and pathway requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.

Required Minimum Solar Zone

01	02	03	04	05	06			07	08
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft²)	Total New or Added Roof Area Covered with Skylights (ft²)	Minimum Solar Zone Based on Total or Added Roof Area (0.15 x (Roof-Sky/f)) (ft²)	Method/ Tools Used to Determine Annual Solar Access for Potential Zones[1]	Potential Solar Zone Areas: Roof areas with >= 70% Solar Access			Minimum Solar Zone Based on Potential Zone (0.5 x (Total Potential Zone)) (ft²)	Required Minimum Solar Zone Area (ft²)
					Low-Sloped Area (<= 2:12 pitch) (ft²)	Steep-Sloped Area (> 2:12 pitch) Oriented 90 - 300 ° (ft²)	Total Potential Solar Zone Area (ft²)		
Total New or Added Roof Area	1140	0	171						171

Designated Solar Zone Subareas

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low <= 2:12 pitch) (Steep > 2:12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per §110.10(b)1 A	Subarea is Required Distance from Potential Obstructions per §110.10(b)1 B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies?
Solar Zone	Roof plans sheets A-3.xx	Low slope		Yes	Yes	Yes	Yes	80	172	COMPLIES

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-Solar Ready	Report Page: (Page 5 of 7)
Project Address:		Date Prepared: 2023-02-17T18:06:54-05:00

Interconnection Pathways

location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).	N/A

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

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-Solar Ready	Report Page: (Page 6 of 7)
Project Address:		Date Prepared: 2023-02-17T18:06:54-05:00

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/ 170.2(g and h). Unless the project meets one of the listed exceptions, or trades-off PV in an energy model using performance path, 140.10/ 170.2(g and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

Photovoltaic (PV) System

01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof[1] (ft²)	Roof Area < 70% Solar Access[2] (ft²)	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area[3] (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (kWdc)
School or Classroom	960	1,140	0	Roof plans A-3.xx	0	1,140	1.36
						Total Min Size PV System Required for all Spaces (kWdc):	0
						Total Size PV System in Design (kWdc):	0

[1]FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Title 24, Part 2 Section 1511.2.
[2]Solar access must be determined using CEC approved solar access calculation tools found at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tools.
[3]As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

STATE OF CALIFORNIA
Solar And Battery CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	40- PC-Solar Ready	Report Page: (Page 7 of 7)
Project Address:		Date Prepared: 2023-02-17T18:06:54-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ryan McIntosh	Documentation Author Signature:
Company: Silver Creek Industries, LLC	Signature Date: 02-20-2023
Address: 2830 Barrett Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

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: John Starin	Responsible Designer Signature:
Company: Silver Creek Industries, LLC	Date Signed: 02-20-2023
Address: 2830 Barrett Ave	License: 2475
City/State/Zip: Perris/CA/92571	Phone: (951) 943-53931

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58

CERTIFICATE OF COMPLIANCE, SOLAR & BATTERY - SOLAR READY AREAS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS

REVISIONS

1 2 3 4 5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 2475 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

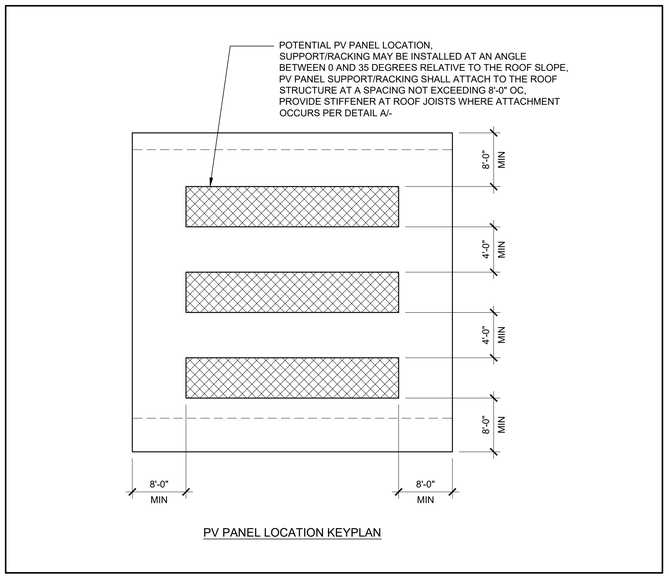
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

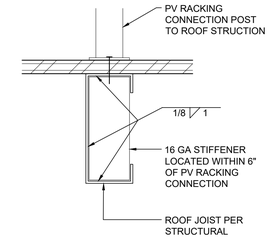
A-0.6C

NOTE:
THE PC ROOF STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE MASS OF A PV SYSTEM (TOTAL ALLOWANCE IS EQUAL TO 0.6 POUNDS x THE TOTAL ROOF AREA) TO BE DESIGNED AND INSTALLED UNDER THE PROJECT SPECIFIC APPLICATION.

THE PC ROOF STRUCTURE HAS BEEN DESIGNED TO ACCOMMODATE THE POTENTIAL UPLIFT ON THE ROOF FRAMING MEMBERS WHEN THE PV SYSTEM IS INSTALLED PER THE EDGE CLEARANCE AND SPACING AS INDICATED BELOW.



PV PANEL LOCATION KEYPLAN



STIFFENER AT PV RACKING CONNECTION SCALE : 3" = 1'-0" | A

REQUIRED PV SYSTEM SIZE (kW)

CLIMATE ZONE	BUILDING SIZE								
	24'x40'	36'x40'	48'x40'	60'x40'	72'x40'	84'x40'	96'x40'	108'x40'	120'x40'
	APPROXIMATE CONDITIONED FLOOR AREA								
	960	1440	1920	2400	2880	3360	3840	4320	4800
1	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
2	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
3	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
4	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
5	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
6	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
7	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
8	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
9	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
10	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
11	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
12	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
13	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
14	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
15	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8
16	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
ALL ZONES	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8

THE PRESCRIPTIVE MINIMUM REQUIRED PV SYSTEM SIZE IS INDICATED IN THE CHART ABOVE. THE ACTUAL PV SYSTEM SHALL BE INCLUDED IN THE PROJECT SPECIFIC DRAWING PACKAGE. ALL PV SYSTEM COMPONENT, CONNECTIONS AND DETAILING SHALL BE INCLUDED IN THE PROJECT SPECIFIC DRAWING PACKAGE.

WHERE THE PROJECT SPECIFIC DRAWING PACKAGE INDICATES THAT THE BUILDING IS BEING APPROVED FOR A SPECIFIC CLIMATE ZONE THE (MINIMUM) PV SYSTEM SIZE SHALL BE AS INDICATED FOR THAT CLIMATE ZONE IN THE CHART ABOVE. WHERE THE BUILDING IS INTENDED TO BE ELIGIBLE FOR RELOCATION TO ANY CLIMATE ZONE THE (MINIMUM) PV SYSTEM SIZE SHALL BE AS INDICATED IN THE "ALL ZONES" ROW.

PV SYSTEM SIZING AND INSTALLATION REQUIREMENTS | 3

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

INTERIOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
- EACH ROOM AND AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL BE EQUIPPED WITH MANUAL ON AND OFF LIGHTING CONTROLS PER SECTION 130.1(a).
- ALL ROOMS AND AREAS 100 SF OR GREATER AND WITH MORE THAN 0.5 WATT PER SF OF LIGHTING LOAD WITH 2 OR MORE LUMINAIRES SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. CONTROL STEPS SHALL MEET REQUIREMENTS IN TABLE 130.1-A.
- PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR IN ALL ROOMS.
- ALL GENERAL LIGHTING IN PRIMARY SIDELIT DAYLIT ZONES AND SKYLIT DAYLIT ZONES IN ENCLOSED SPACES WITH 120 WATTS, OR MORE IN COMBINED PRIMARY/SKYLIT ZONES AND 24 SF, OR MORE OF FENESTRATION, SHALL BE CONTROLLED WITH AUTOMATIC DAYLIGHTING CONTROLS PER SECTION 130.1(d).

OUTDOOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
- ALL OUTDOOR LIGHTING SHALL BE OPERATED WITH CONTROLS WHICH AUTOMATICALLY TURNS OFF OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE PER SECTION 130.2(c).
- ALL OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS WHICH ARE CONTROLLED BY AN AUTOMATIC SCHEDULING CONTROL PER SECTION 130.2(c).

SPACE CONDITIONING EQUIPMENT MANDATORY MEASURES:

- ALL SPACE CONDITIONING EQUIPMENT SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.2.
- MECHANICAL VENTILATION SHALL BE PROVIDED PER SECTION 120.1.
- ALL SPACE CONDITIONING CONTROLS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.2.
- ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.4.

BUILDING ENVELOPE MANDATORY MEASURES:

- ALL FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.6.
- ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT INFILTRATION AND EXFILTRATION PER SECTION 110.7.
- ALL INSULATION, ROOFING PRODUCTS AND RADIANT BARRIERS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.8.
- THE WEIGHTED AVERAGE U-FACTOR OF THE ROOF ASSEMLY SHALL NOT EXCEED 0.075 PER SECTION 120.7(a).
- THE WEIGHTED AVERAGE U-FACTOR OF THE EXTERIOR WALL ASSEMBLY SHALL NOT EXCEED 0.110 PER SECTION 120.7(b).
- THE WEIGHTED AVERAGE U-FACTOR OF THE FLOOR ASSEMBLY SHALL NOT EXCEED 0.071 PER SECTION 120.7(c).

SOLAR READY AND ELECTRICAL DISTRIBUTION MANDATORY MEASURES:

- A SOLAR ZONE SHALL BE PROVIDED ON THE ROOF OF THE BUILDING PER SECTION 110.10(b).
- A PATHWAY SHALL BE PROVIDED FROM THE SOLAR ZONE TO AN INDICATED LOCATION SUITABLE FOR THE FUTURE INSTALLATION OF INVERTERS AND METERING EQUIPMENT PER SECTION 110.10(c).
- ELECTRICAL SERVICE METERING SHALL UTILIZE A PERMANENTLY INSTALLED METERING SYSTEM PER SECTION 130.5(a).
- SEPERATION OF ELECTRICAL CIRCUITS SHALL NOT BE REQUIRED WHERE ELECTRICAL SERVICE OR FEEDER IS RATED AT 50 KVA OR LESS PER SECTION 130.5(b).
- THE VOLTAGE DROP TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5% PER SECTION 130.5(c).

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

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

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

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.

THIS LIST OF REQUIRED ACCEPTANCE TESTS FOR THE PROJECT IS FOUND IN THE LAST PAGES OF THE ENERGY COMPLIANCE REPORTS (T24) UNDER DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE.

CALIFORNIA ENERGY CODE - MANDATORY MEASURES | 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

PV SYSTEM REQUIREMENTS, ENERGY MANDATORY MEASURES & CALGREEN SPEC'S

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24779 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.7

CONSTRUCTION WASTE MANAGEMENT PLAN

A. DEFINITIONS
1. CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
2. RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
3. CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.

B. PERFORMANCE REQUIREMENTS
1. GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
I. C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES

C. QUALITY ASSURANCE
1. PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
I. REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.
II. REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED OF AS WASTE.
III. REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.
IV. REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.

D. WASTE MANAGEMENT PLAN
1. INDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
2. RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
I. TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
II. PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL.
III. PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:
A. REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY,
B. CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY,
C. PROCESSING AND REUSING MATERIALS ON-SITE

E. WASTE MANAGEMENT REPORT
1. WASTE MANAGEMANT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
I. A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.
II. TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
III. DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL.
IV. RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY
V. SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.

F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS
1. USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLARMED AND POTENTIALLY WASTEFUL CUTS.
2. TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
3. CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.
4. A MINIMUM OF 65% (BY WEIGHT) OF THE NON-HAZARDOUS CONSTRUCTION WASTE SHALL BE RECYCLED AND/OR SALVAGED FOR REUSE.
5. CONSTRUCTION WASTE MATERIALS SHALL BE COLLECTED IN CO-MINGLED CONTAINERS EXCEPT STEEL AND WOOD SHALL BE COLLECTED SEPARATELY.
6. CONSTRUCTION WASTE SHALL BE HAULED, SEPARATED, AND MEASURED BY CR+R (OR AN EQUAL WASTE MANAGEMENT COMPANY). A REPORT SHALL BE PROVIDED INDICATING THE DIVERSION RATE (BY VOLUME).

G. REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS
1. REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
2. TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
3. BURNING OF C&D WASTE IS NOT PERMITTED.

IEQ PLAN

A. CONSTRUCTION PHASE:
1. FILTERS
I. ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.
II. ALL FILTERS SHALL HAVE A MERV RATING OF 13 OR GREATER (2" THICK).
III. A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT
2. PROTECTION OF MATERIALS
I. ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.
II. ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
III. ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
3. PROTECTION OF INTERIOR ENVIRONMENT
I. WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.
II. WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.
III. ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.
IV. ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
4. DUCT SYSTEM CONSTRUCTION
I. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.
II. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
III. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.
IV. ONCE INSTALLED ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.
V. ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
VI. ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
5. MATERIALS INSTALLATION
I. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.
II. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOC EMISSIONS HAVE DISSIPATED.
III. THE DUCT SYSTEMS SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.
IV. WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 13 (2" THICK). THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.
V. MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOC EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.
VI. MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCS OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATION AREA, PRIOR TO INSTALLATION.
VII. CARPETED SURFACES SHALL BE VACUUMED PER THE CRI/GREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

SEALANTS AND CAULKS
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; CERAMIC TILE ADHESIVES; DRYWALL AND PANEL ADHESIVES; AEROSOL ADHESIVES; ADHESIVE PRIMERS; ACOUSTICAL SEALANTS; FIRE STOP SEALANTS; HVAC DUCT SEALANTS, SEALANT PRIMERS; AND CAULKS.

PAINTS & COATINGS
ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.

RESILIENT FLOORING SYSTEMS
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.

COMPOSITE WOOD
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARE) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTONS 93120-93120.12, TITLE 17, CALIFORNIA CODE OF REGULATIONS. THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM THESE PRODUCTS.

CEILING & WALL SYSTEMS
ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS. CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOP, WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL- OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCS OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.

CARPET SYSTEMS
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.

PRIMARY EXTERIOR DOORS
ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. SEE DETAIL A/- FOR TYPICAL FLOOR AND WALL FINISH DIAGRAM.

ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

ACOUSTICAL CONTROL

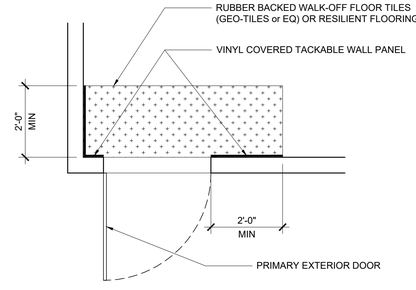
INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATING OF NOT LESS THAN 40. ONE OF THE FOLLOWING ASSEMBLY SHALL BE USED:

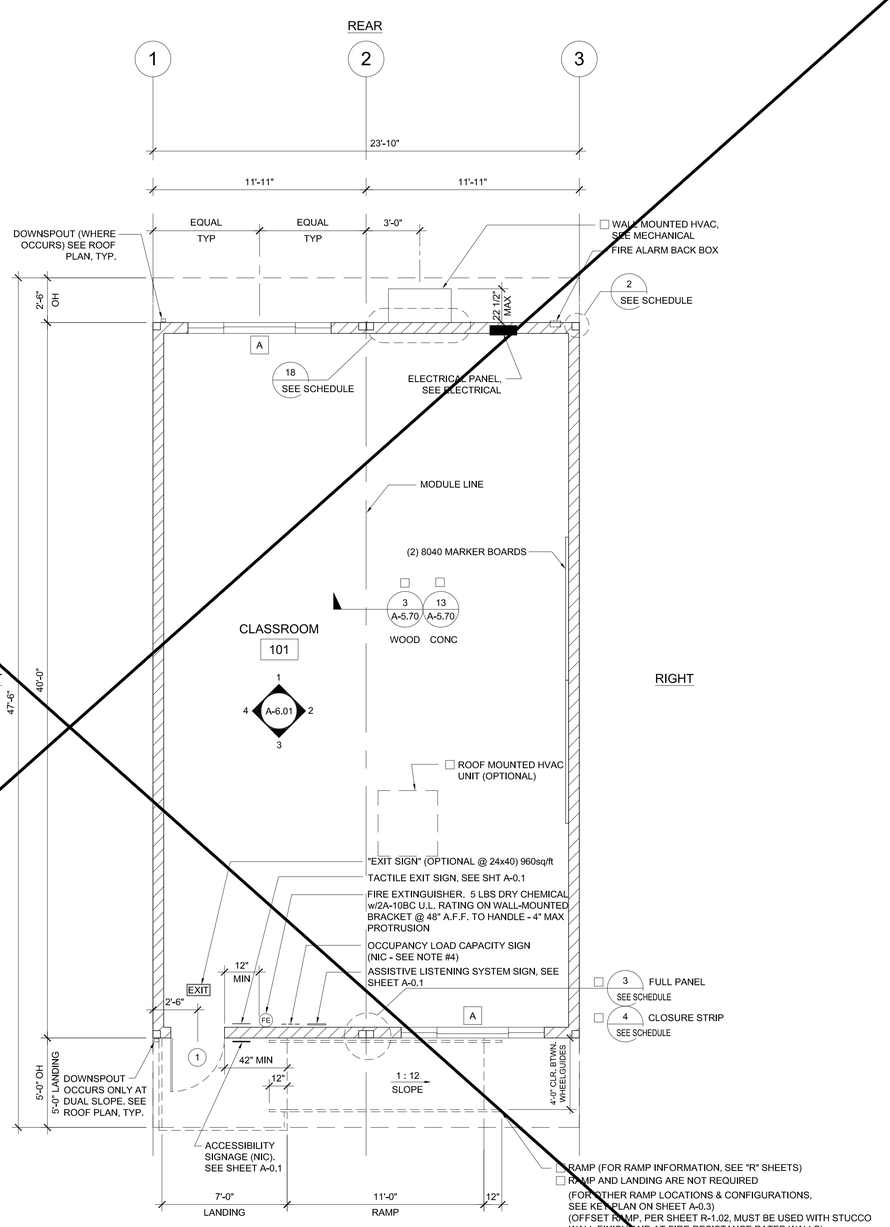
☐ 2x4 (MIN) STUDS @ 24" O.C. WITH 1 LAYER OF 1/2" GYP BD. EA SIDE OF WALL & 3 1/2" BATT INSULATION, ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD., GYP BD SHALL BE FASTENED TO THE STUDS w/ 1-1/4" TYPE W SCREWS AT 12" OC, JOINTS SHALL BE STAGGERED (DESIGN #NGC 2012065)(STC-42)

☐ 2x4 (MIN) STUDS @ 16" O.C. WITH 2 LAYER OF 5/8" TYPE "X" GYP BD. EA SIDE OF WALL & 3 1/2" BATT INSULATION, ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD., BASE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS w/1-7/8" 6d COATED NAILS AT 6" OC, FACE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS w/2-3/8" 8d COATED NAILS AT 8" OC; VERTICAL JOINTS SHALL OCCUR OVER A STUD, STAGGER JOINTS EACH LAYER AND EACH SIDE (DESIGN #NGC 2364) (STC-41)

WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UPON SHALL IDENTIFY ANY ADDITIONAL NOISE TRANSMISSION MEASURES WHICH ARE REQUIRED BASED UPON THE NOISE LEVEL PRESENT AT THE PROJECT SITE. IF NECESSARY EXTERIOR WALL, ROOF AND WINDOW ASSEMBLIES MEETING THE STC AND OR OITC RATINGS SPECIFIED IN SECTIONS 5.507.4.1 + 5.507.4.1.1 SHALL BE UTILIZED.

WHEN THE PC BUILDING IS PLACED ADJACENT TO ANOTHER BUILDING, A SEPARATION (AIR GAP) OF NOT LESS THAN 6" SHALL BE PROVIDED.


RUBBER BACKED WALK-OFF FLOOR TILES (GEO-TILES or EQ) OR RESILIENT FLOORING
VINYL COVERED TAC



FLOOR PLAN

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

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1 (4.1)
   (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, REQUIRED PV SYSTEM CAPACITY (kW), WIND SPEED, EXPOSURE CATEGORY, AND Kzt = 1.0 2022 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_S
2. VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7
3. LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
4. POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 ART. 3.30 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK
5. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS
6. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBES, PER IR 16-1.13 (2.1)
7. ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION
8. INTERIOR WALLS MAY BE ADDED TO FLOOR PLAN. SEE STRUCTURAL
9. FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80
10. INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATING OF NOT LESS THAN 40. SEE SHEET A-0.7 FOR WALL ASSEMBLY
11. TOILET ROOM FLOORING AND BASE SHALL BE INSTALLED PER 10/A-5.70 IN LIEU OF PROVIDING A CURB (IR 23-2)
12. DOORS SHALL PROVIDED WITH MINIMUM 4' CANOPY OR ROOF OVERHANG

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

WALL LEGEND

NOMINAL 4" WALL STUD ☑

NOMINAL 6" WALL STUD ☑

NOMINAL 8" WALL STUD ☐

A WINDOW PER SCHEDULE SHEET A-0.2

(#) DOOR PER SCHEDULE SHEET A-0.2

NOTES:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (OR 6" NOMINAL STEEL STUD) (MIN). EXCEPTION: AT UNCONDITIONED RESTROOM MODULES.

2x4 (OR 4" NOMINAL STEEL STUD) WALL FRAMING NOT ALLOWED WITH PLASTER WALL FINISH AT UNCONDITIONED RESTROOM MODULES WITH WALLS OVER 9'-0" IN HEIGHT.

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES.

SYMBOLS LEGEND

60" CIRCLE CLEAR SPACE

30"x48" CLEAR SPACE

MARKING & IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.5)
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL:

1. BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
2. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND
3. INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT AND A MIN. 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER SIMILAR WORDING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc.

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

FLOOR PLAN
24' x 40'

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

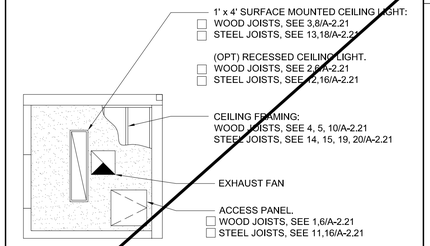
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2475
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

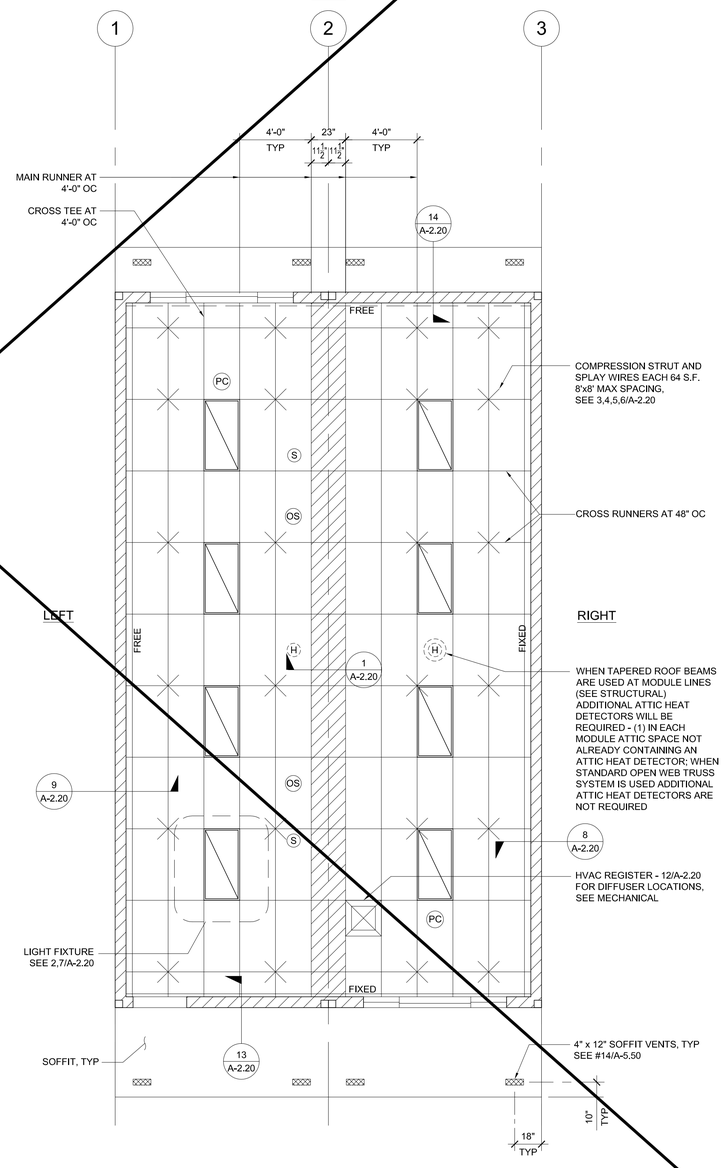
P.C. SHEET NUMBER

A-1.01



HARDLID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" | 1A

REAR

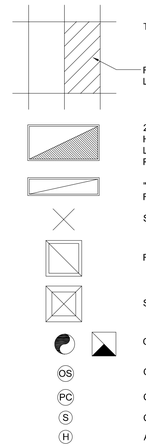


NOTE:
CEILING TO BE 8'-6" AFF (UNO)

FRONT

REFLECTED CEILING PLAN SCALE: 1/4" = 1'-0" | 1

LEGEND



NOTE:
FOR ALL REFLECTED CEILING NOTES SEE SHEET A-0.1

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308

MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) 2" WALL ANGLE: 7810 (OPTIONAL)

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VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

REFLECTED CEILING PLAN
24' x 40'

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REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 2475 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
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SCALE:	AS NOTED
DATE:	02-27-2023

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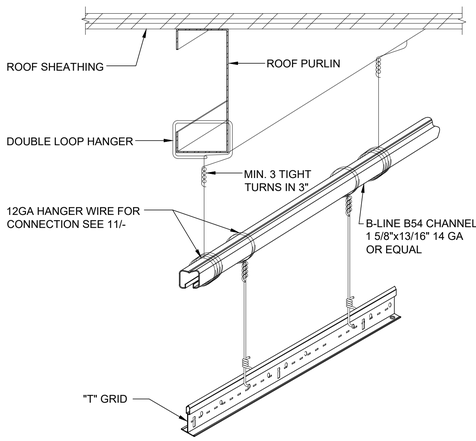
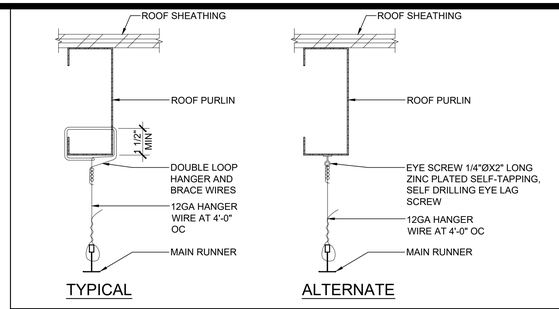
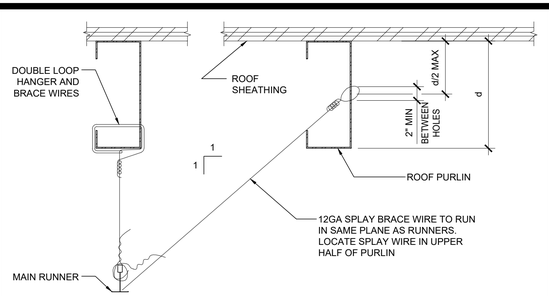


NOTE:
LOCATION MAY VARY (SEE NOTE "C" ON SHEET A-0.1)

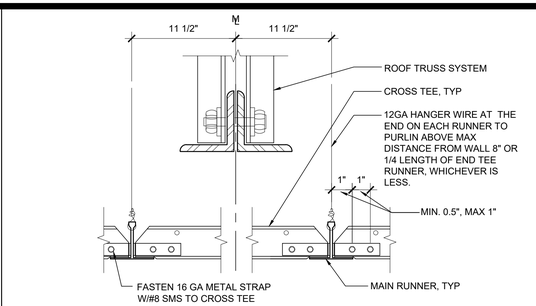
TRAPEZE DETAIL 17



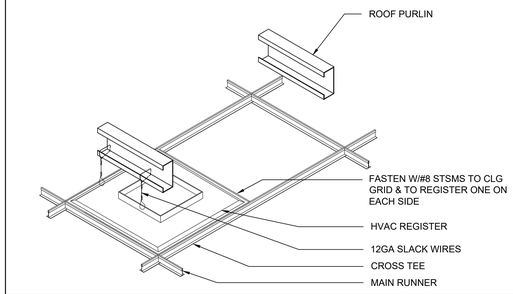
HANGER WIRE DETAIL SCALE : 3"=1'-0" 11



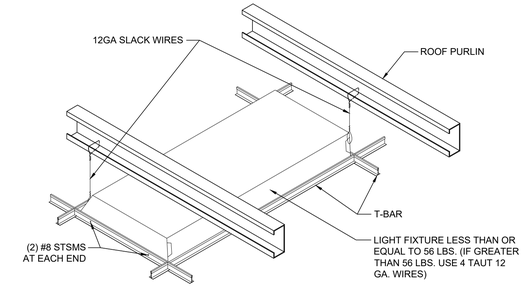
SPLAY BRACING WIRE SCALE : 3"=1'-0" 6



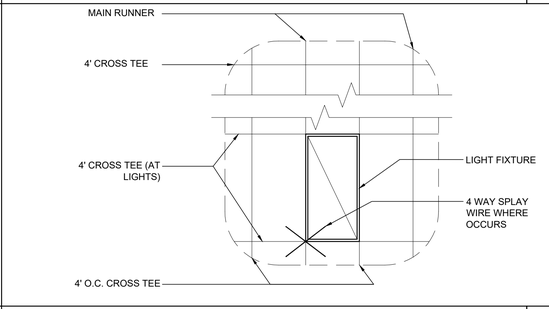
GRID AT MODLINE SCALE : 3"=1'-0" 1



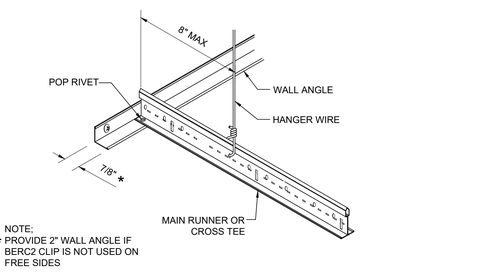
HVAC REGISTER MOUNTING SCALE : NTS 12



LIGHT FIXTURE MOUNTING SCALE : NTS 7

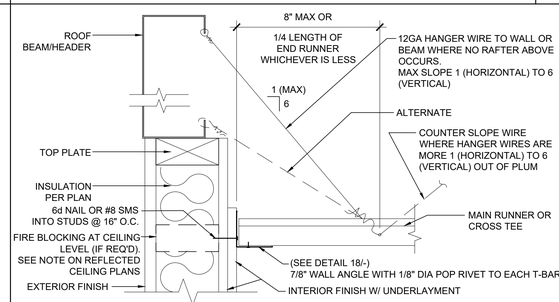


4' CROSS TEE AT LIGHTS SCALE : 3/8"=1'-0" 2

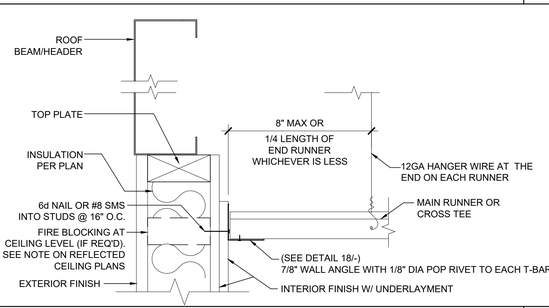


NOTE:
* PROVIDE 2" WALL ANGLE IF BERC2 CLIP IS NOT USED ON FREE SIDES

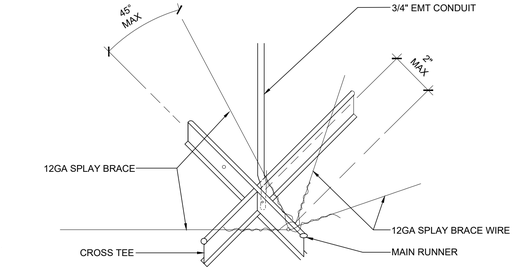
FIXED SIDE SCALE : NTS 18



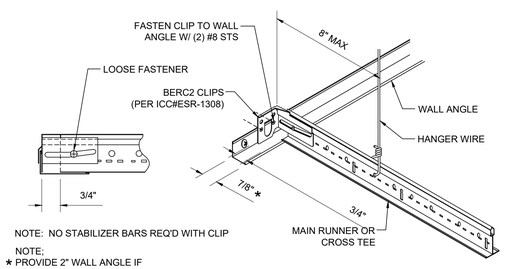
HANGER WIRE - FIXED SIDE (ENDWALL) SCALE : 3"=1'-0" 13



HANGER WIRE - FIXED SIDE (SIDEWALL) SCALE : 3"=1'-0" 8



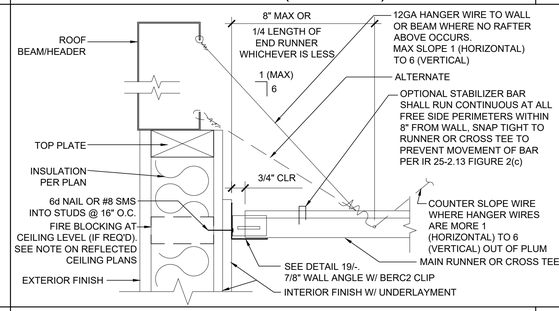
SEISMIC SPLAY - 4 WAY SCALE : NTS 3



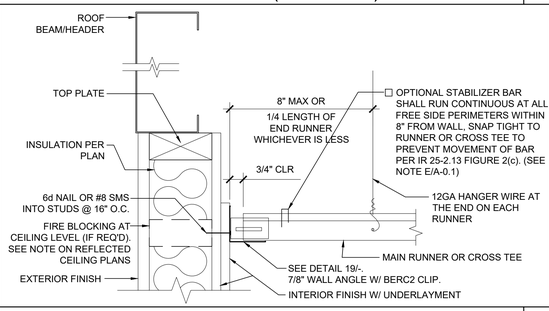
NOTE: NO STABILIZER BARS REQ'D WITH CLIP

NOTE;
* PROVIDE 2" WALL ANGLE IF BERC2 CLIP IS NOT USED

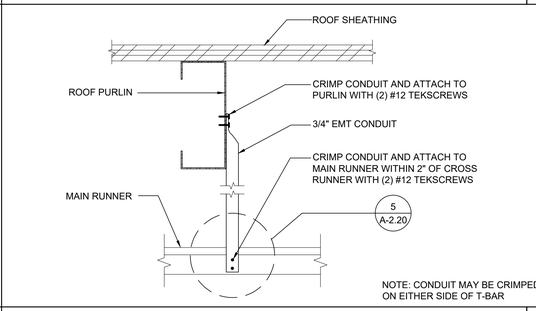
FREE SIDE SCALE : NTS 19



HANGER WIRE - FREE SIDE (ENDWALL) SCALE : 3"=1'-0" 14

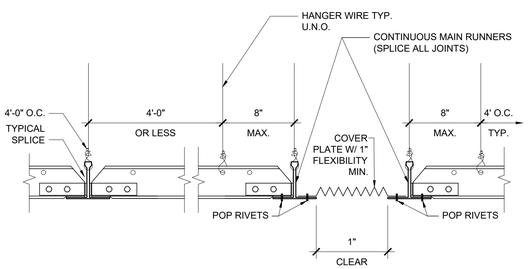


HANGER WIRE - FREE SIDE (SIDEWALL) SCALE : 3"=1'-0" 9

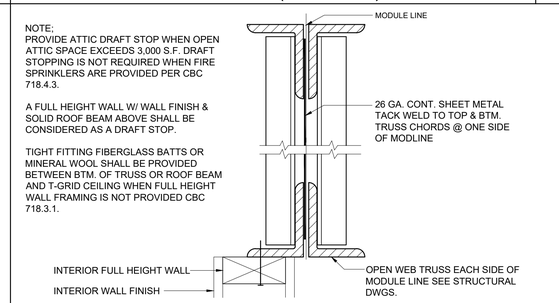


NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR

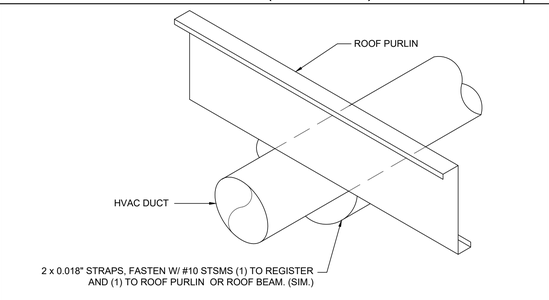
COMPRESSION STRUT SCALE : 3"=1'-0" 4



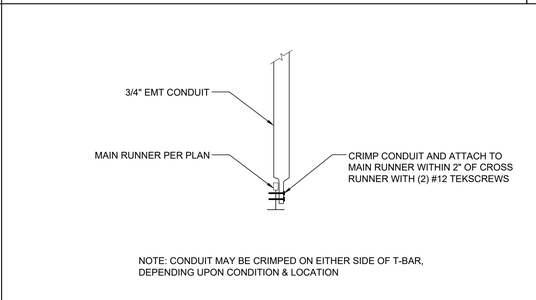
GRID SEISMIC SEPARATION JOINT SCALE : 3"=1'-0" 20



ATTIC DRAFT STOP SCALE : 3"=1'-0" 15



HVAC DUCTWORK MOUNTING SCALE: NTS 10



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR, DEPENDING UPON CONDITION & LOCATION

COMPRESSION STRUT SCALE : 3"=1'-0" 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

CEILING DETAILS
T-GRID

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
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2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

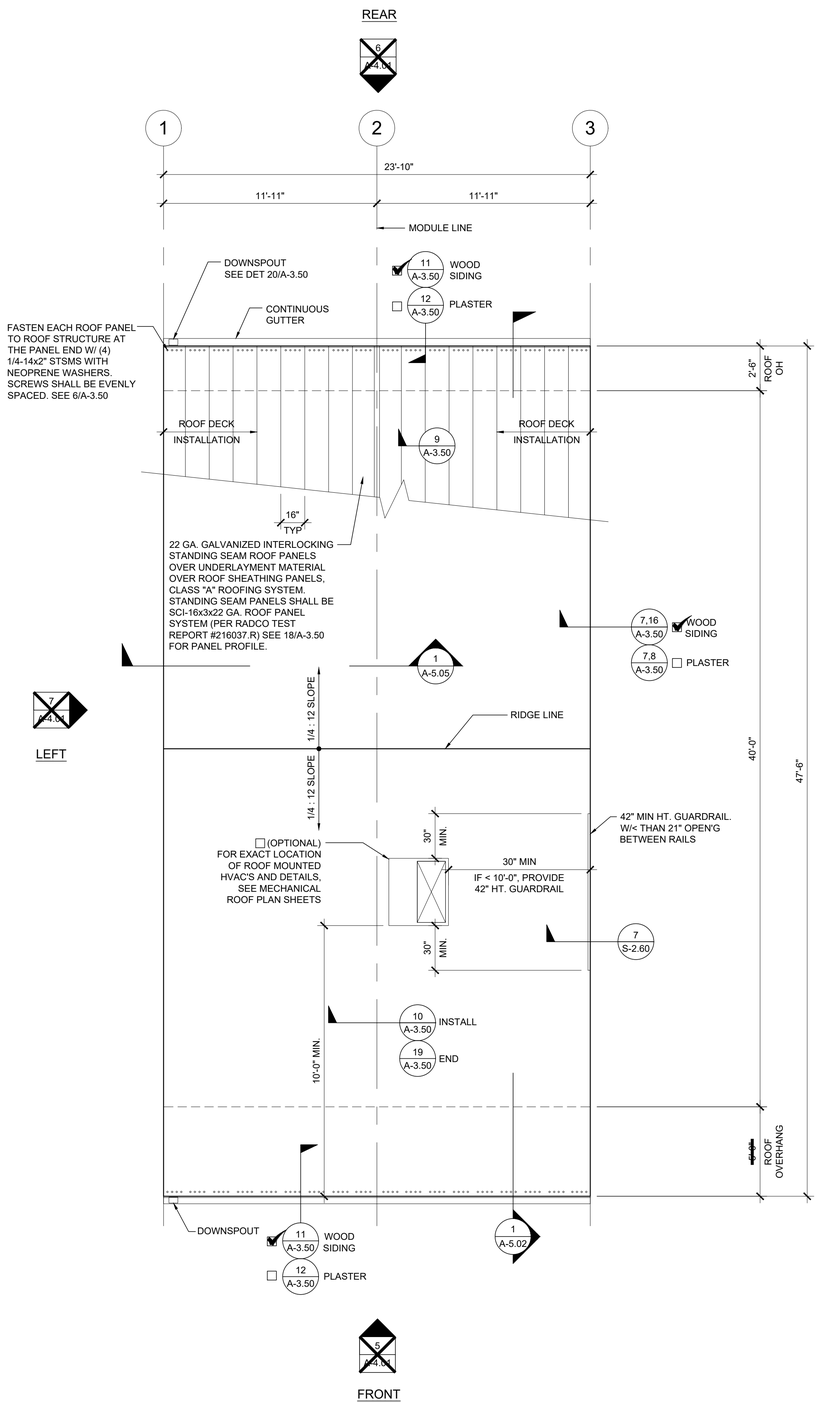
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24775 STRUCTURAL STATE OF CALIFORNIA

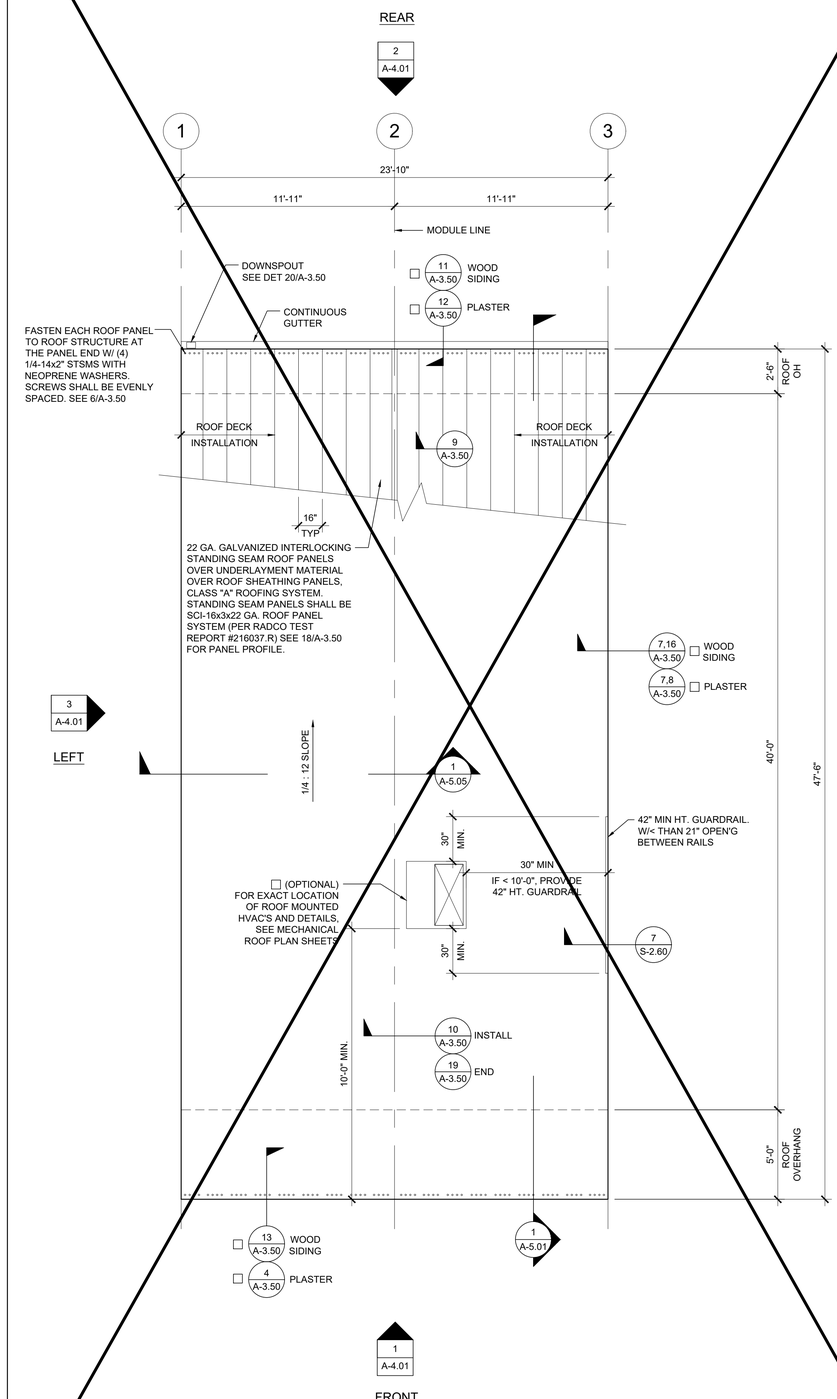
SILVER CREEK INDUSTRIES	24' x 40' PC
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

A-2.20



ROOF PLAN - METAL DECK - DUAL SLOPE SCALE: 1/4" = 1' - 0" 2

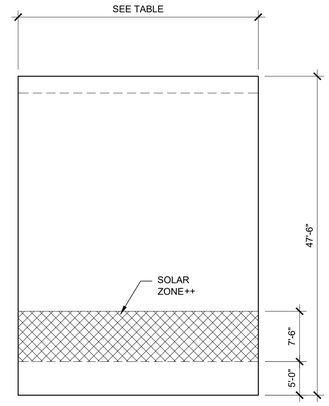


ROOF PLAN - METAL DECK - MONO SLOPE SCALE: 1/4" = 1' - 0" 1

NOTES

1. BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES. OR A GUARDRAIL SHALL BE PROVIDED PER 7/S-2.60
4. SEE DETAIL "A" (THIS SHEET) FOR ROOF SYSTEM UPLIFT CAPACITY

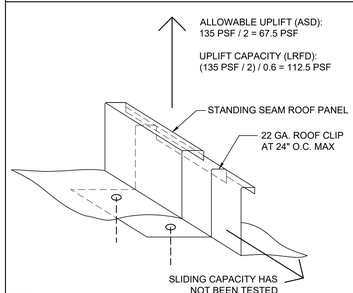
SOLAR ZONE



KEYPLAN

SOLAR ZONE CALCULATION TABLE		
BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
72'-0" x 40'-0"	516 SF	534 SF
84'-0" x 40'-0"	602 SF	623 SF
96'-0" x 40'-0"	688 SF	712 SF
108'-0" x 40'-0"	774 SF	801 SF
120'-0" x 40'-0"	860 SF	890 SF
ROOF AREA PER MODULE	=	567 SF
REQUIRED SOLAR ZONE	=	86 SF
PROVIDED SOLAR ZONE	=	89 SF

++ NOTE: ACTUAL SOLAR ZONE LOCATION AND SIZE MAY VARY. MINIMUM ZONE AREA SHALL BE PER THE TABLE ABOVE.



NOTES:

1. THE ALLOWABLE UPLIFT VALUES PROVIDED ABOVE ARE BASED ON TESTING PERFORMED IN ACCORDANCE WITH UL STANDARD 1897 (UPLIFT TEST FOR ROOF COVERING SYSTEM).

   TEST REPORT:
   TI RADCO (RADCO, A TWINING COMPANY)
   REPORT # 216037.R
   DATE: 6.22.2021
2. THE ULTIMATE LOAD DETERMINED BY TESTING = 135 PSF.
   A SAFETY FACTOR OF 2.0 HAS BEEN USED IN CALCULATING THE ALLOWABLE VALUES.
3. PV PANEL ATTACHMENT OPTION IS NOT INCLUDED WITHIN THIS PC.
4. THE CLIP SLIDING CAPACITY HAS NOT BEEN TESTED. IF PV PANELS ARE INSTALLED THE SLIDING CAPACITY OF THE ROOF PANEL SYSTEM MUST BE DETERMINED BY FIELD TESTING FOR ROOF SLOPES OF NOT LESS THAN 7 DEGREES.
   EXCEPTION: WHERE THE SLIDING LOAD FOR SEISMIC AND WIND FORCES ON THE PV PANEL SYSTEM IS LESS THAN THE DISPLACED DESIGN LIVE LOAD SLIDING COMPONENT PER DSA IR 16-8 (SECTION 5.1.1.2).
5. CONVERSION FROM ALLOWABLE UPLIFT (ASD) TO UPLIFT CAPACITY (LRFD) IS BASED ON ASD WIND PRESSURE = 0.6 x (LFRD WIND PRESSURE).

ROOF SYSTEM CAPACITY SCALE: NTS A

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ROOF PLAN
24'x40' - METAL DECK
MONO OR DUAL SLOPE

REVISIONS

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REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24975
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

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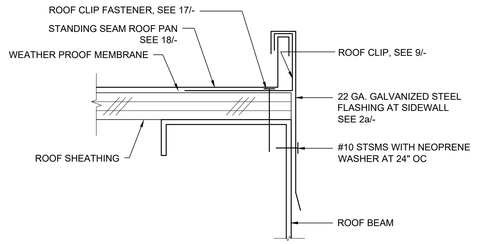
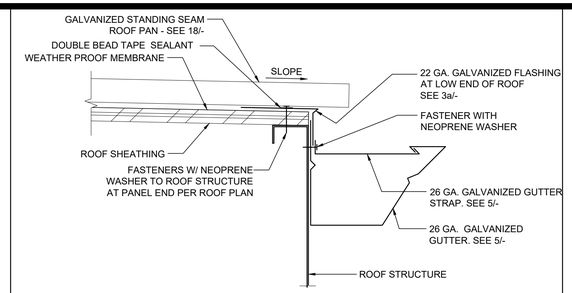


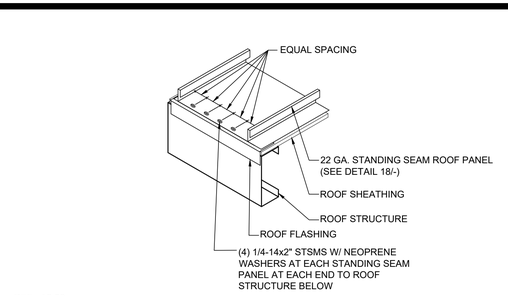
REF: A3.01, A3.02, A3.03, A3.04

ROOF FLASHING AT SIDEWALL — SCALE : 6"=1'-0" — 16



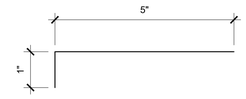
REF: A3.01, A3.02, A3.03, A3.04

GUTTER AT ROOF FASCIA BEAM — SCALE : 3"=1'-0" — 11



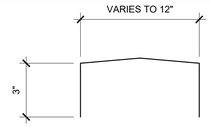
REF: A3.50

STANDING SEAM PANEL AT ENDS — SCALE : NTS — 6



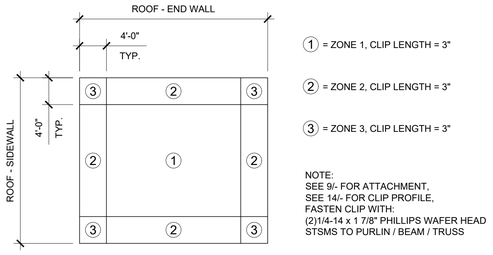
REF: A3.50

FLASHING AT MODULE LINE WALL — SCALE : 6"=1'-0" — 1a



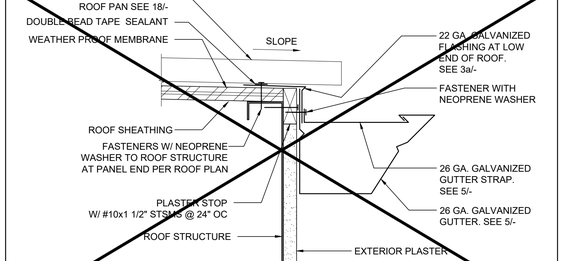
REF: A3.50

0.018" ROOF CAP AT MODULE LINE — SCALE : 6"=1'-0" — 1b



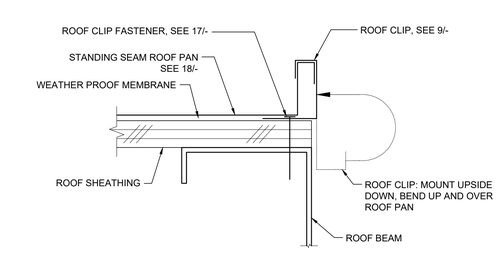
REF: A3.50

ROOF CLIP ZONES — NTS — 17



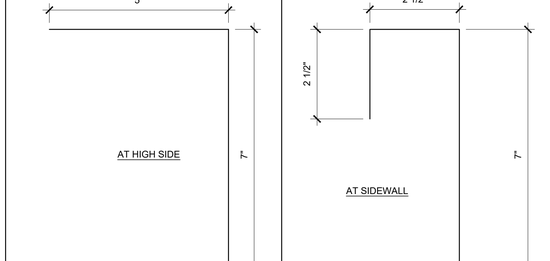
REF: A3.01, A3.02, A3.03, A3.04

GUTTER AT ROOF FASCIA BEAM — SCALE : 3"=1'-0" — 12



REF: A3.01, A3.02, A3.03, A3.04

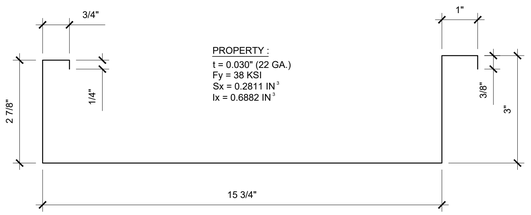
STARTER ROOF PAN CONNECTION — SCALE : 6"=1'-0" — 7



REF: A3.50 REF: A3.50

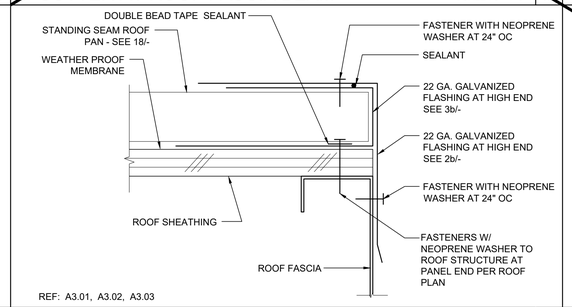
ROOF FLASHING — SCALE : 6"=1'-0" — 2b

ROOF FLASHING — SCALE : 6"=1'-0" — 2a



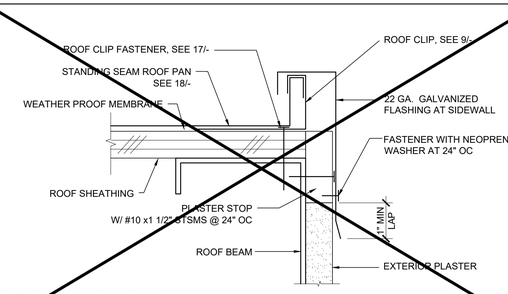
REF: A3.50

ROOF DECK PROFILE — SCALE : NTS — 18



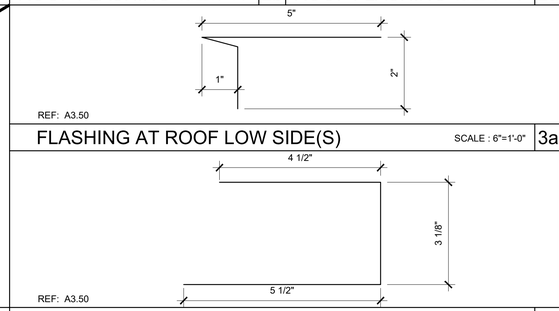
REF: A3.01, A3.02, A3.03

ROOF FLASHING AT HIGH SIDE — SCALE : 6"=1'-0" — 13



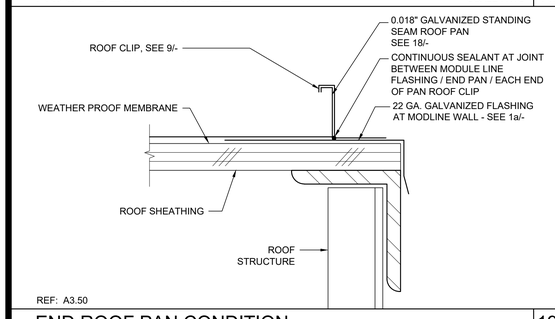
REF: A3.01, A3.02, A3.03, A3.04

ROOF FLASHING AT SIDEWALL — SCALE : 6"=1'-0" — 8



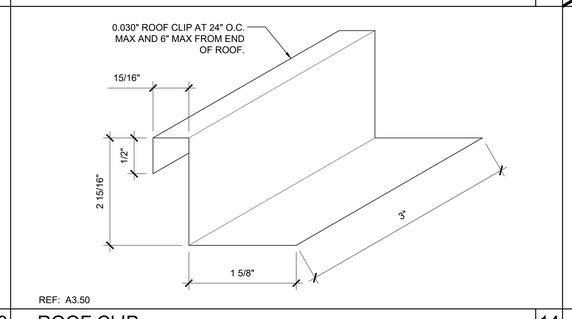
FLASHING AT ROOF LOW SIDE(S) — SCALE : 6"=1'-0" — 3a

FLASHING AT ROOF HIGH SIDE — SCALE : 6"=1'-0" — 3b



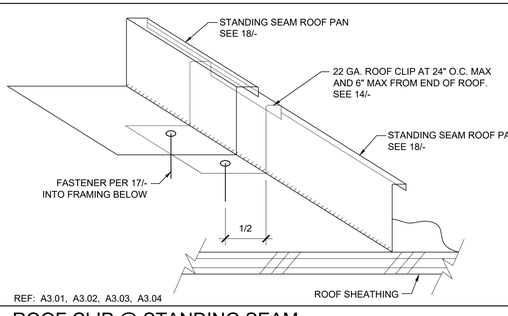
REF: A3.50

END ROOF PAN CONDITION — SCALE : 6"=1'-0" — 19



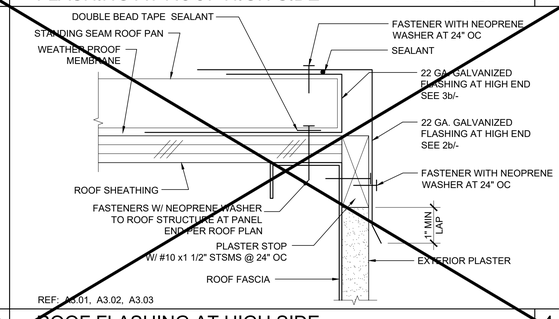
REF: A3.50

ROOF CLIP — SCALE : 1'-0"=1'-0" — 14



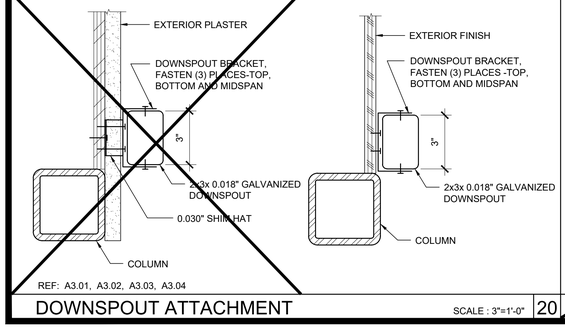
REF: A3.01, A3.02, A3.03, A3.04

ROOF CLIP @ STANDING SEAM — SCALE : NTS — 9



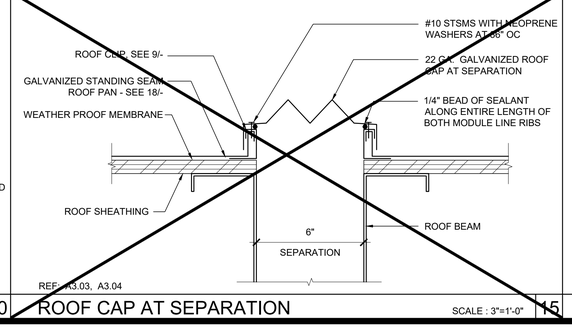
REF: A3.01, A3.02, A3.03

ROOF FLASHING AT HIGH SIDE — SCALE : 6"=1'-0" — 4



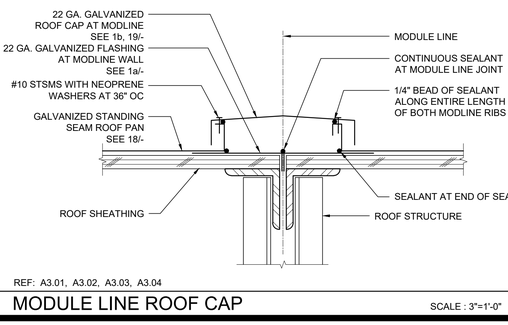
REF: A3.01, A3.02, A3.03, A3.04

DOWNSPOUT ATTACHMENT — SCALE : 3"=1'-0" — 20



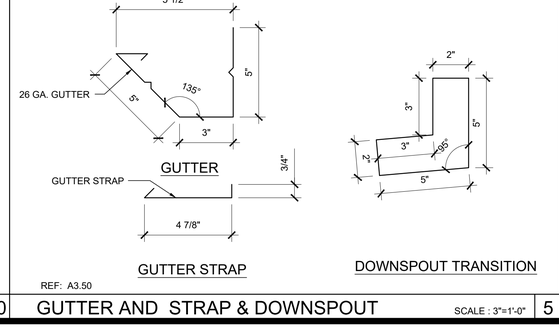
REF: A3.03, A3.04

ROOF CAP AT SEPARATION — SCALE : 3"=1'-0" — 15



REF: A3.01, A3.02, A3.03, A3.04

MODULE LINE ROOF CAP — SCALE : 3"=1'-0" — 10



REF: A3.50

GUTTER AND STRAP & DOWNSPOUT — SCALE : 3"=1'-0" — 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ROOF DETAILS
STANDING SEAM ROOF DECK

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

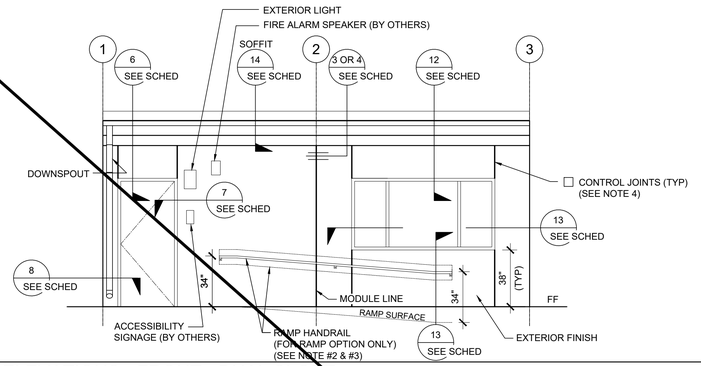
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24175
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

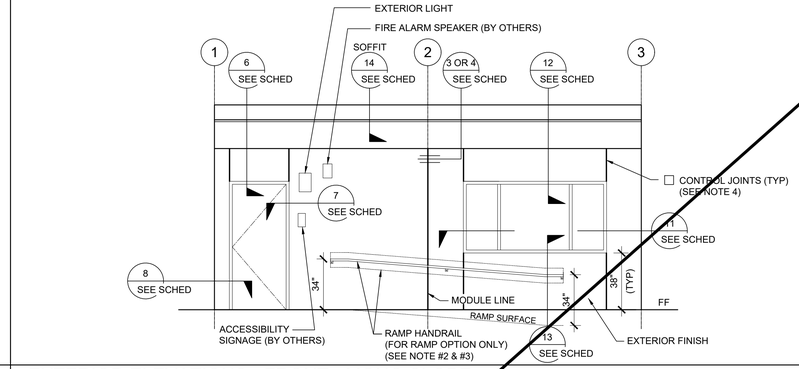
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

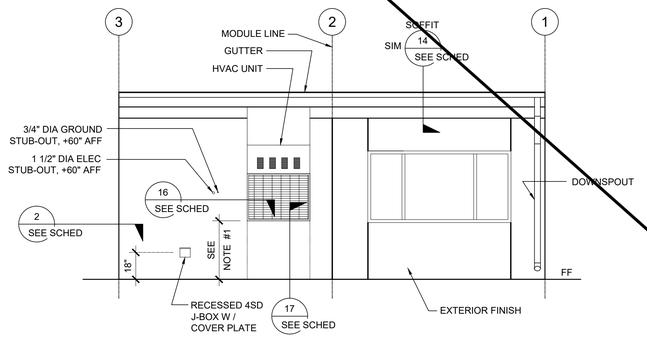
A-3.50



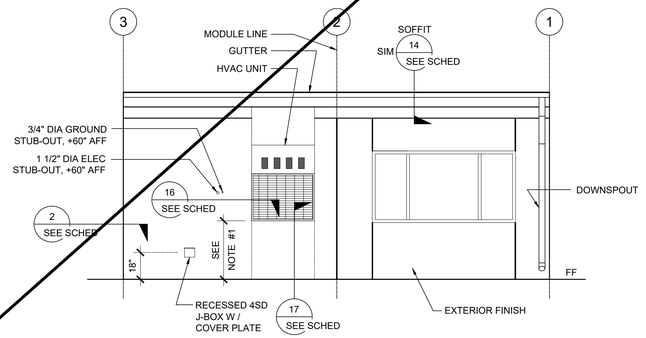
EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 5



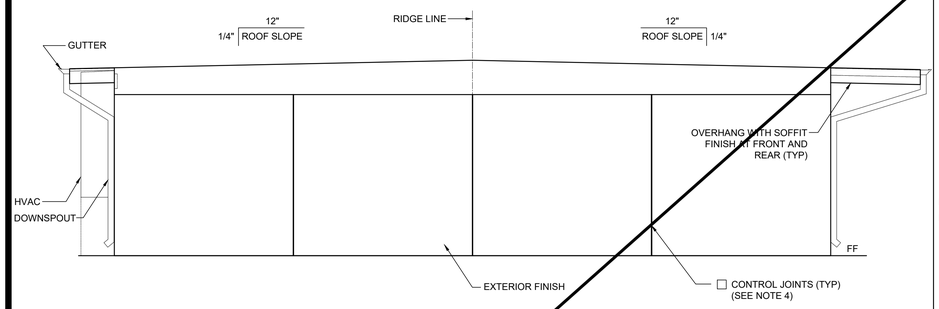
EXTERIOR ELEVATIONS - FRONT - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 1



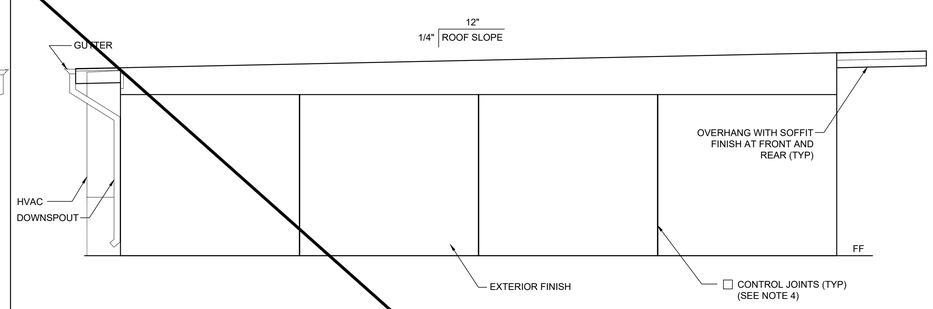
EXTERIOR ELEVATIONS - REAR - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 6



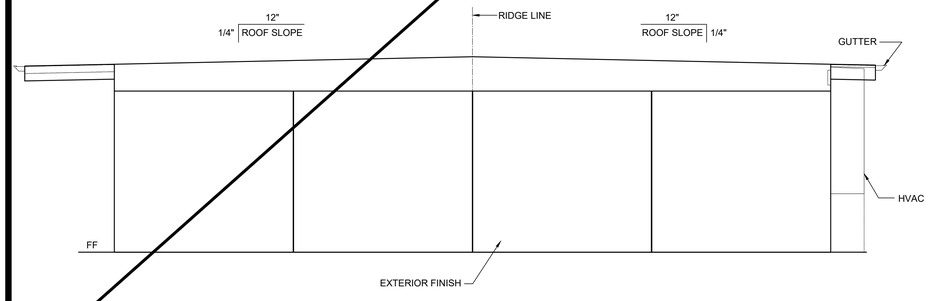
EXTERIOR ELEVATIONS - REAR - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 2



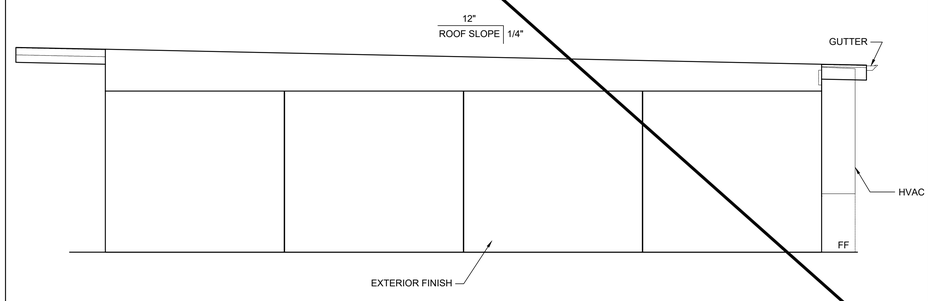
EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 7



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 3



EXTERIOR ELEVATIONS - RIGHT - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 8



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 18" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2022 CBC
6. PROVIDE AN OFFSET RAMP (PER SHEET R-1.02) WHEN A RAMP IS REQUIRED ADJACENT TO A STUCCO WALL AND/OR FIRE RESISTANCE RATED EXTERIOR WALL.

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

EXTERIOR ELEVATION
24' X 40'
MONO / DUAL SLOPE

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
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SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2475
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

A-4.01

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

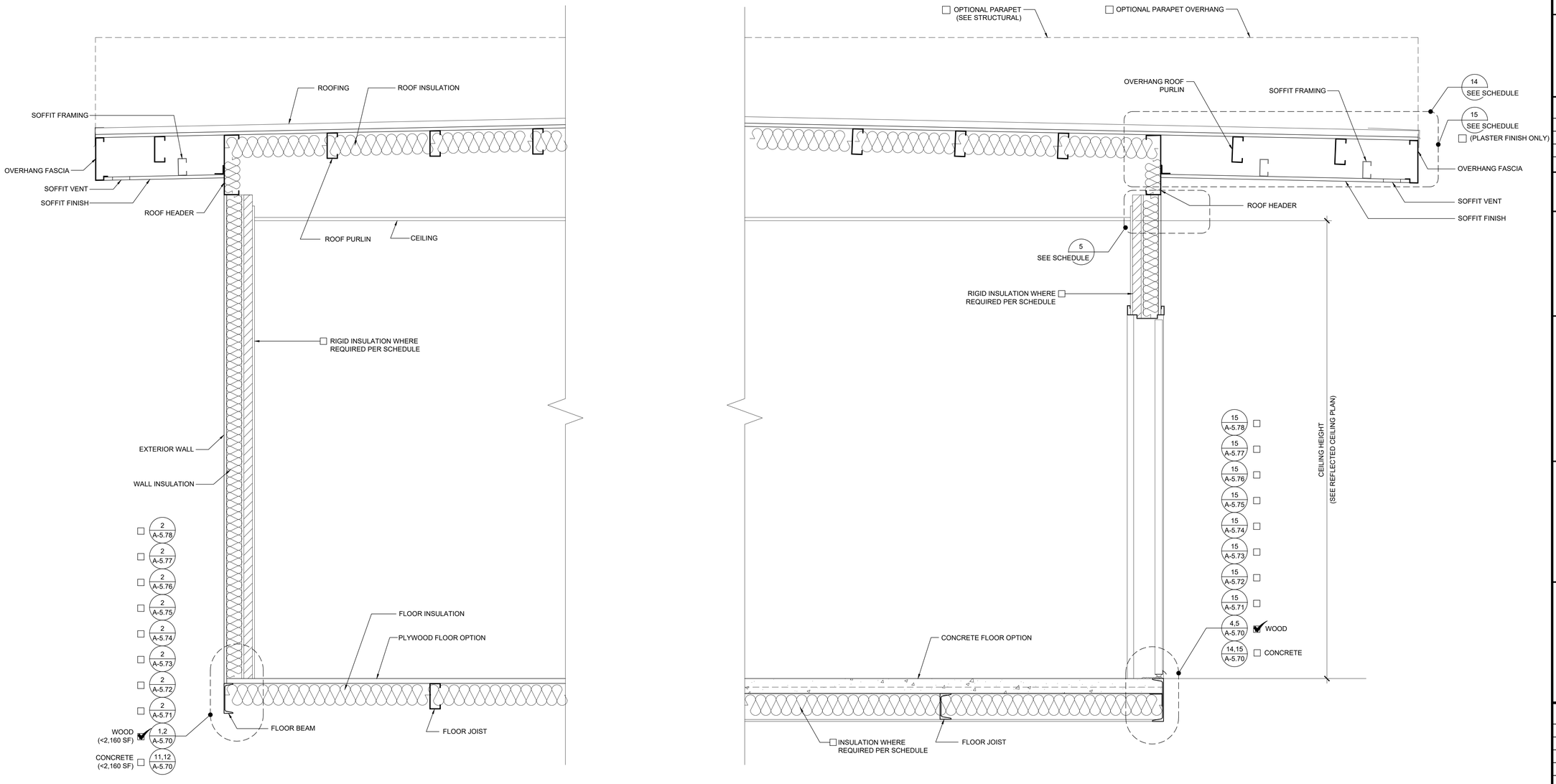
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

FLOOR OPTION

☑ WOOD FLOOR
☐ CONCRETE FLOOR

NOTES

SEALANTS AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL SEALANTS AND CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING AND TO LIMIT AIR LEAKAGE.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.
ALL EXTERIOR JOINTS, PENETRATIONS AND OTHER OPENINGS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED.



BUILDING SECTION

SCALE: 1" = 1' - 0" | 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

CROSS SECTION
DUAL SLOPE

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARUCH 29575 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

A-5.02

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

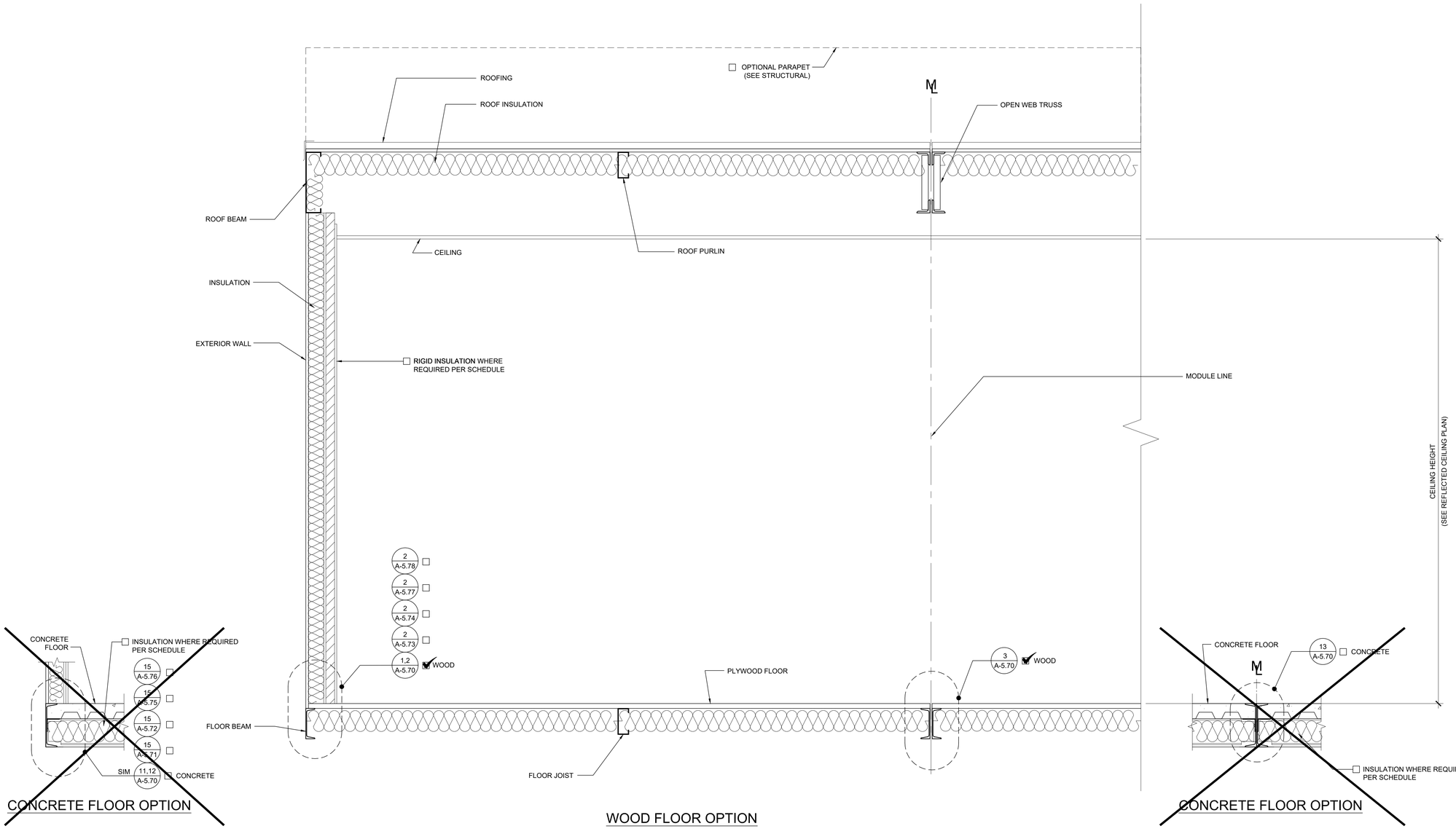
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

FLOOR OPTION

- ☑ WOOD FLOOR
- ☐ CONCRETE FLOOR

NOTES

SEALANTS AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL SEALANTS AND CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING AND TO LIMIT AIR LEAKAGE.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.
ALL EXTERIOR JOINTS, PENETRATIONS AND OTHER OPENINGS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED.



WOOD FLOOR OPTION

BUILDING SECTION

SCALE: 1" = 1'-0" | 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

CROSS SECTION

REVISIONS

1 2 3 4 5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

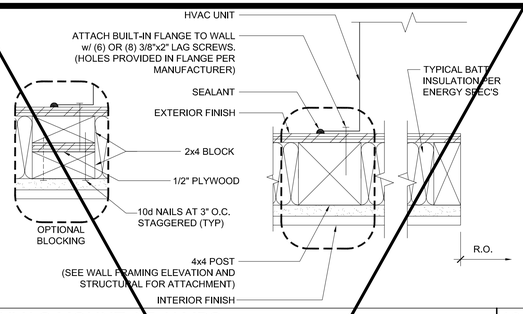
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24975 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

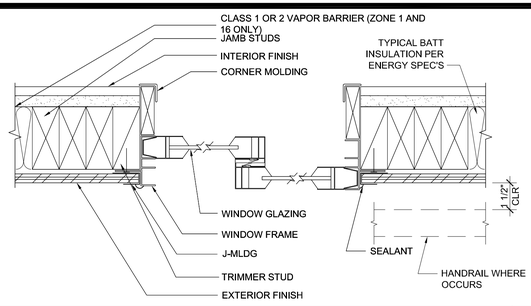
P.C. SHEET NUMBER

A-5.05



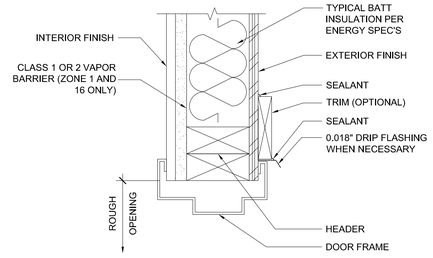
HVAC MOUNT AT JAMBS

SCALE : 3"=1'-0" | 16



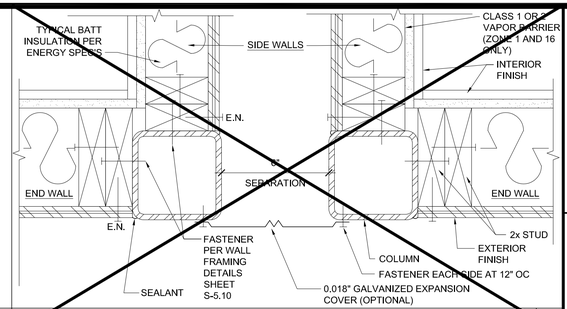
WINDOW SECTION AT JAMBS

SCALE : 3"=1'-0" | 11



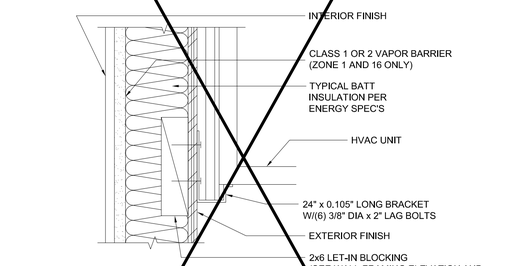
EXTERIOR DOOR HEADER

SCALE : 3"=1'-0" | 6



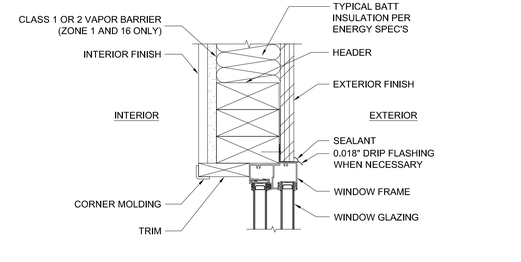
CLOSURE BETWEEN BUILDINGS

SCALE : 3"=1'-0" | 1



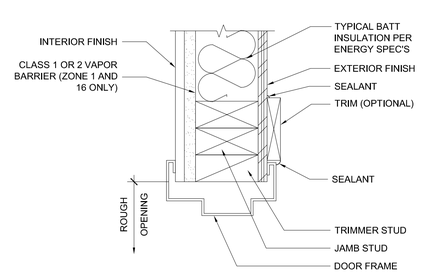
HVAC UNIT AT BOTTOM

SCALE : 3"=1'-0" | 17



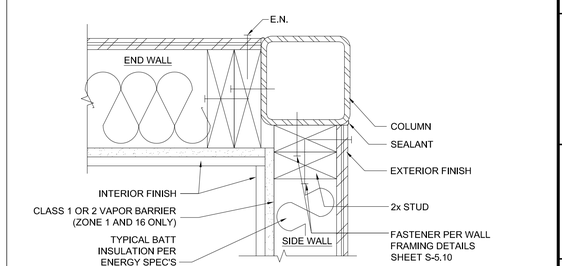
WINDOW HEADER

SCALE : 3"=1'-0" | 12



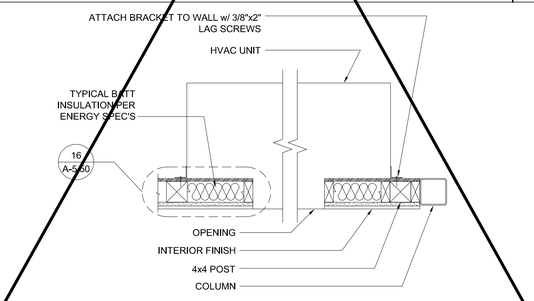
EXTERIOR DOOR JAMB

SCALE : 3"=1'-0" | 7



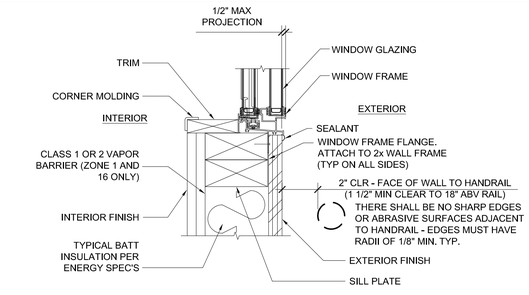
COLUMN AT CORNER

SCALE : 3"=1'-0" | 2



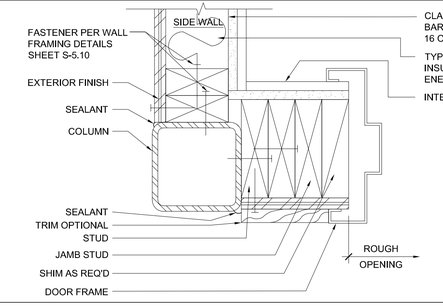
HVAC UNIT (PLAN)

SCALE : 1"=1'-0" | 18



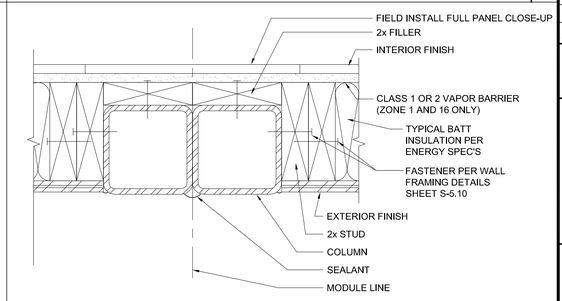
WINDOW SILL

SCALE : 3"=1'-0" | 13



COLUMN AT CORNER

SCALE : 3"=1'-0" | 8

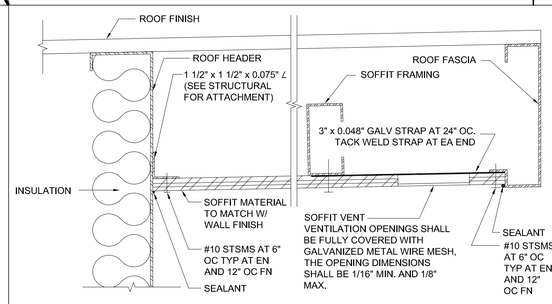


COLUMN AT MODULE LINE (FULL PANEL CLOSE-UP)

SCALE : 3"=1'-0" | 3

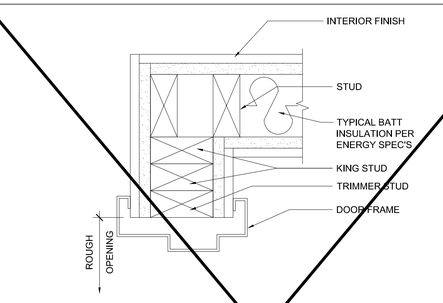
NOT USED

19



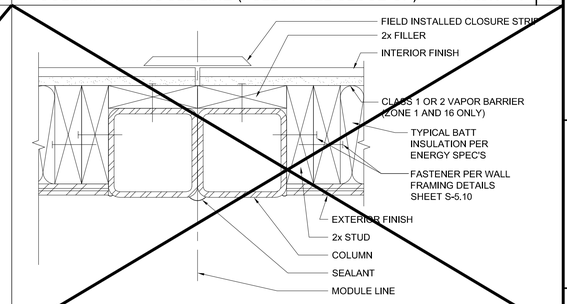
SOFFIT AT ROOF HEADER WITH VENT

SCALE : 3" = 1'-0" | 14



INTERIOR DOOR JAMB

SCALE : 3"=1'-0" | 9



COLUMN AT MODULE LINE (CLOSURE STRIP)

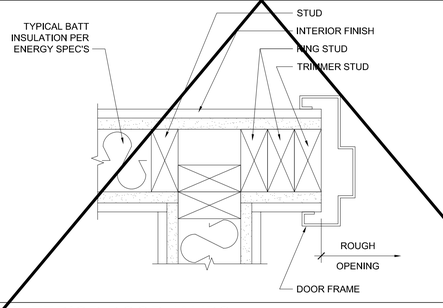
SCALE : 3"=1'-0" | 4

NOT USED

20

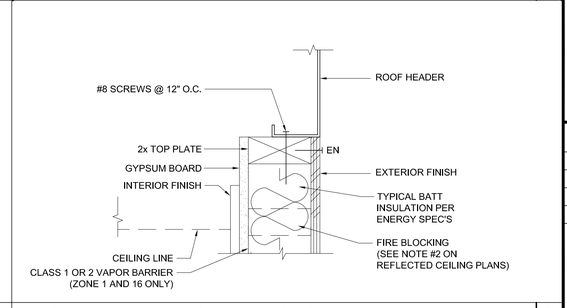
NOT USED

15



INTERIOR DOOR JAMBS

SCALE : 3"=1'-0" | 10



TOP PLATE AT ROOF HEADER

SCALE : 3" = 1'-0" | 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
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DATE: 03/03/2026

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ARCHITECTURAL DETAILS
WOOD STUD - SHTG

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

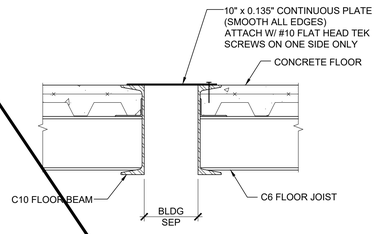
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 2475 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

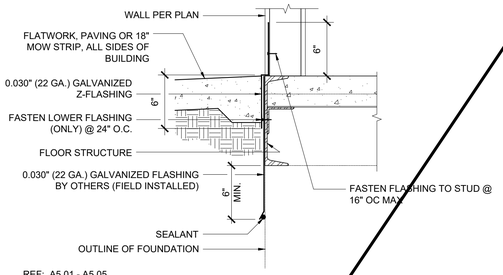
P.C. SHEET NUMBER

A-5.50



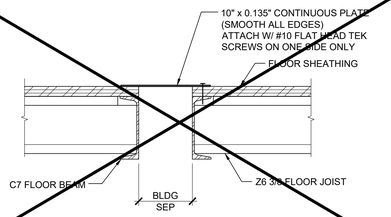
REF: A1.03

FLOOR AT SEPARATION (CONCRETE FLR) SCALE : 1 1/2"=1'-0" 16



REF: A5.01 - A5.05

SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 11



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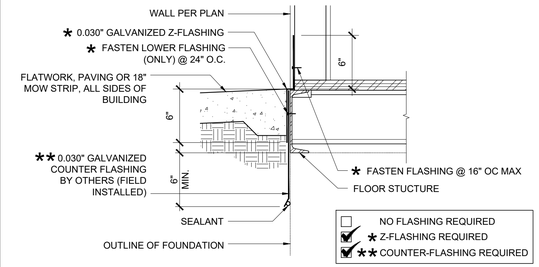
FLOOR AT SEPARATION (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 6



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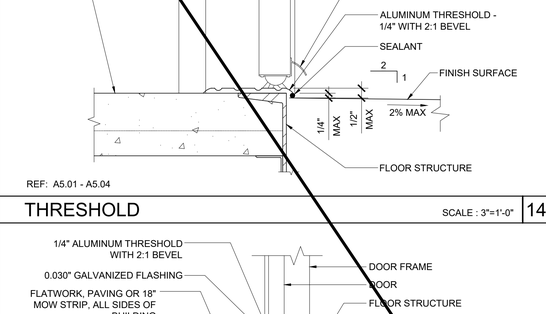
SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 1



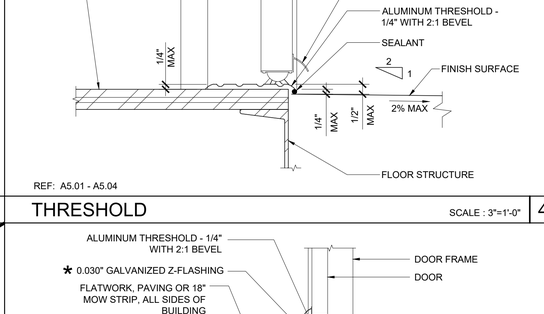
REF: A5.01 - A5.05

SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 12

NOTE:

1. WHEN THE BUILDING IS INSTALLED AT GROUND LEVEL (BELOW GRADE FOUNDATION OPTION) DETAILS 1,2,5,11,12+15 CAN ONLY BE USED WHERE THE BUILDING SIZE DOES NOT EXCEED 2,160 SF. SEE SHEETS A-5.71 THRU A-5.78 FOR ALTERNATE FLASHING DETAILS FOR BUILDINGS LARGER THAN 2,160 SF.
2. THE DETAILS ON SHEETS A-5.71 THRU A-5.78 MAY BE USED FOR BUILDINGS LESS THAN 2,160 SF.
3. FOR BUILDINGS INSTALLED ON ABOVE GRADE FOUNDATION SYSTEMS (WOOD FOUNDATION OR CONCRETE FOUNDATION WITH ABOVE GRADE STEMWALL) THE DETAILS SHOWN ON THIS SHEET MAY BE USED FOR ANY SIZE BUILDING.
4. FOR BUILDINGS INSTALLED ON ABOVE GRADE FOUNDATION SYSTEMS (WOOD FOUNDATION OR CONCRETE FOUNDATION WITH ABOVE GRADE STEMWALL) THE FLATWORK/PAVING/MOW STRIP WHICH IS INDICATED IN THE DETAILS ON THIS SHEET SHALL BE OMITTED.

7



REF: A5.01 - A5.05

SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 2

REF: A1.01 - A1.03

FLOOR AT MODLINE (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 13

REF: A1.01 - A1.03

FLOOR AT MODLINE (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 3

REF: A5.01 - A5.04

THRESHOLD SCALE : 3"=1'-0" 14

REF: A5.01 - A5.04

THRESHOLD SCALE : 3"=1'-0" 4

REF: A5.01 - A5.04

TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 15

WALL BASE AT TOILET ROOMS SCALE : 1 1/2"=1'-0" 10

REF: A5.01 - A5.04

TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 5

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ARCHITECTURAL DETAILS
FLOOR

REVISIONS

1	
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3	
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Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

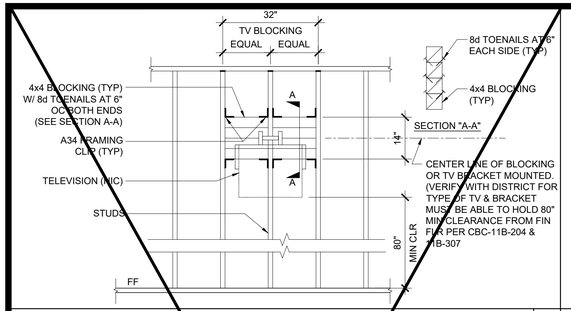
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24775
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

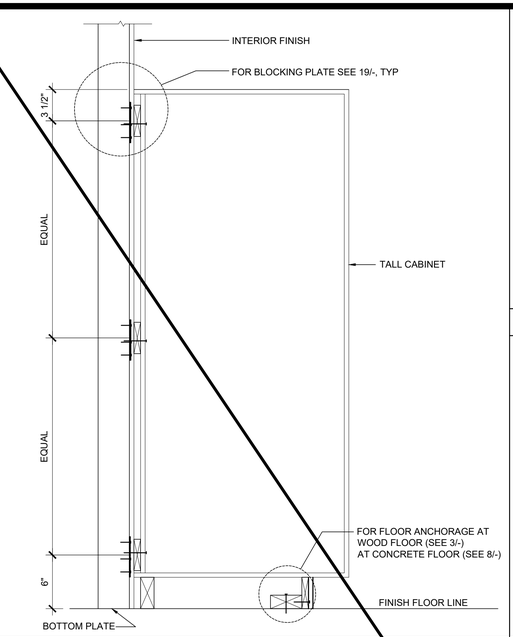
P.C. SHEET NUMBER

A-5.70

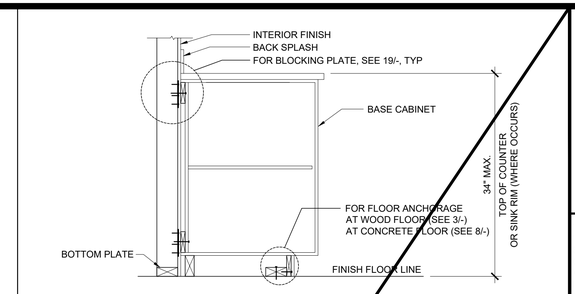


T.V. BLOCKING ATTACHMENT AT WOOD STUD — SCALE : 1/2" = 1'-0" — 16

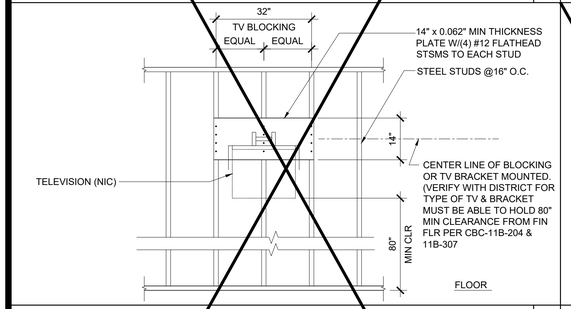
NOT USED — 11



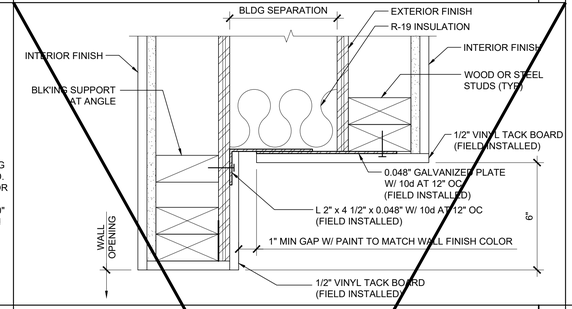
TALL CABINET WALL ANCHORAGE — SCALE : 1 1/2" = 1'-0" — 7



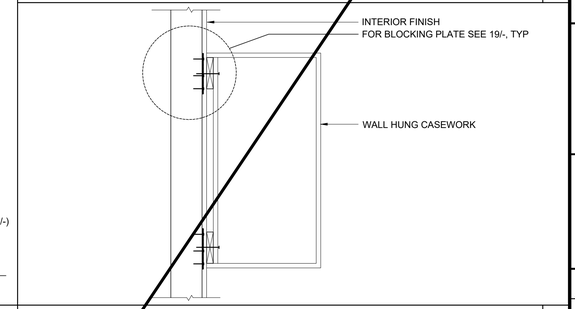
BASE CABINET WALL ANCHORAGE — SCALE : 1" = 1'-0" — 1



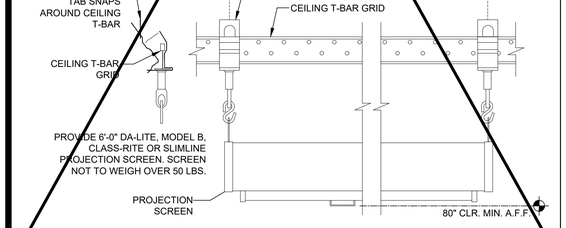
T.V. BLOCKING ATTACHMENT AT STEEL STUD — SCALE : 1/2" = 1'-0" — 17



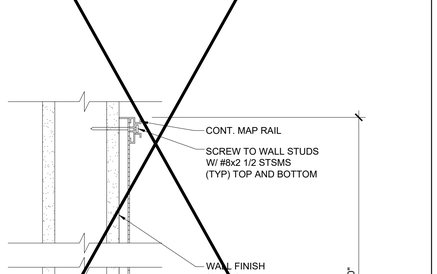
WALL OPENING AT HEADER AND JAMB — SCALE : 3"=1'-0" — 12



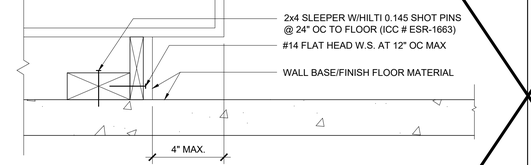
WALL HUNG ANCHORAGE CABINET — SCALE : 1 1/2" = 1'-0" — 2



PROJECTION SCREEN MOUNTING — SCALE : NTS — 18

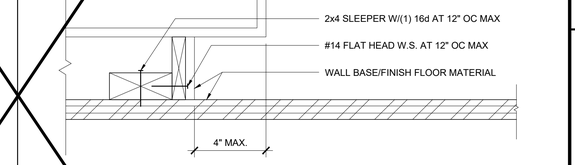


MARKER BOARD ATTACHMENT — SCALE : 3" = 1'-0" — 14



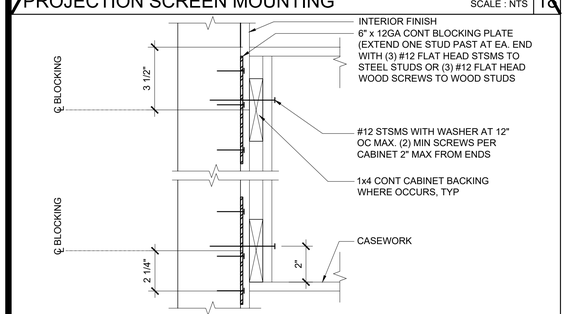
REMOVE TOE KICK AND BASE, AS WELL AS PROVIDE "U" SHAPED WIRE PULLS OR EQUAL WHERE ACCESSIBILITY CONDITIONS APPLY

ATTACHMENT TO BLOCKING - CONC. FLOOR — SCALE : 3" = 1'-0" — 8

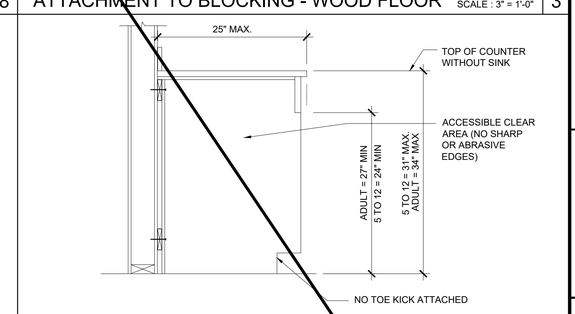


REMOVE TOE KICK AND BASE, AS WELL AS PROVIDE "U" SHAPED WIRE PULLS OR EQUAL WHERE ACCESSIBILITY CONDITIONS APPLY

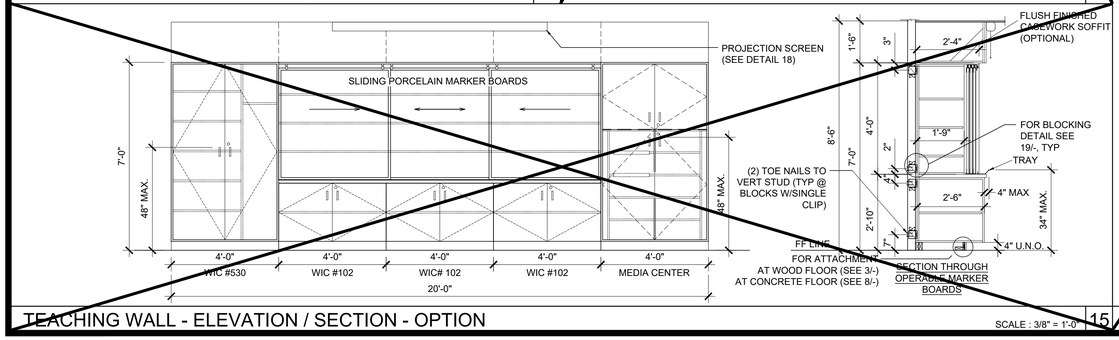
ATTACHMENT TO BLOCKING - WOOD FLOOR — SCALE : 3" = 1'-0" — 3



ATTACHMENT TO BLOCKING PLATE — SCALE : 3" = 1'-0" — 19



ACCESSIBLE COUNTER — SCALE : 1" = 1'-0" — 4



TEACHING WALL - ELEVATION / SECTION - OPTION — SCALE : 3/8" = 1'-0" — 15

NOT USED — 10

NOT USED — 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ARCHITECTURAL DETAILS
MISCELLANEOUS/OPTIONS

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

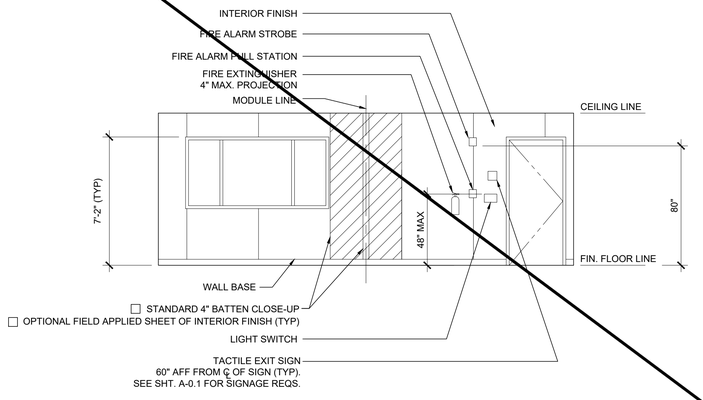
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24975 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

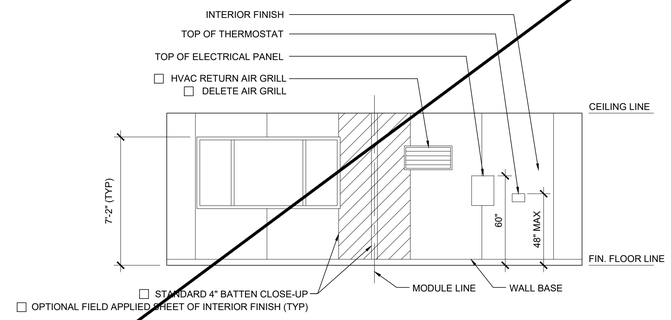
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

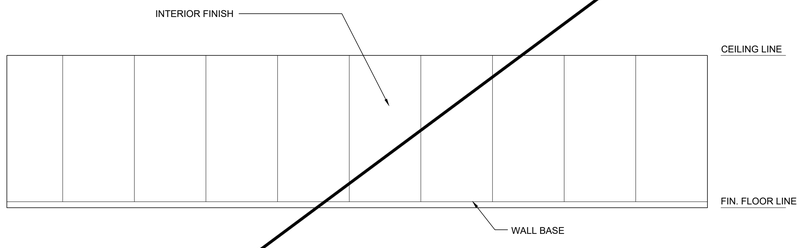
A-5.80



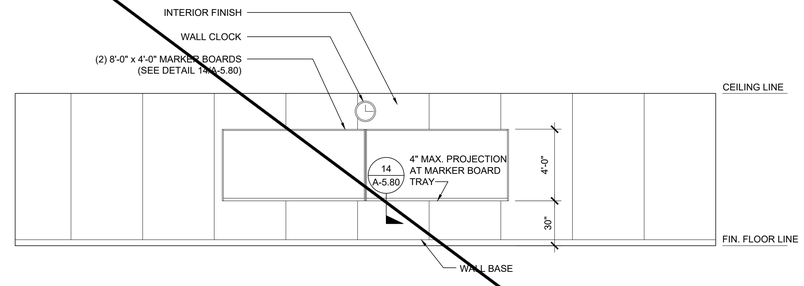
FRONT ELEVATION — SCALE: 1/4" = 1'-0" | 3



REAR ELEVATION — SCALE: 1/4" = 1'-0" | 1



SIDE ELEVATION — SCALE: 1/4" = 1'-0" | 4



SIDE ELEVATION — SCALE: 1/4" = 1'-0" | 2

IDENTIFICATION STAMP
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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

INTERIOR ELEVATION
24' x 40'

REVISIONS

1	
2	
3	
4	
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PRE-CHECK (PC) DOCUMENT
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FOR CONSTRUCTION IS REQUIRED

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PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2475
STRUCTURAL
STATE OF CALIFORNIA

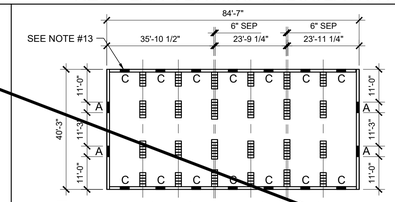
SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

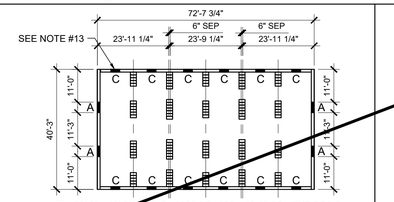
P.C. SHEET NUMBER

A-6.01

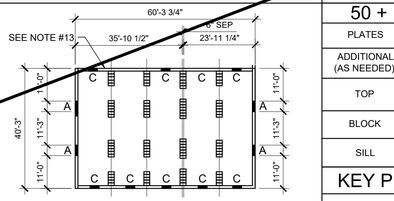
KEY PLAN VENTING CALCULATIONS w/o PARAPET



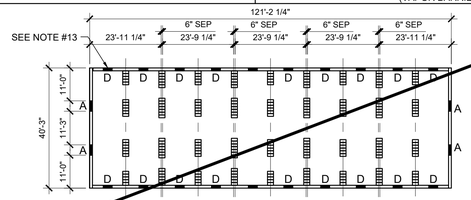
☐ 85' x 40' BUILDING: 3400 SF / 150 = 22.66 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(14) - "C" VENT = 15.75 SF
22.75 SF TOTAL VENTILATION (> 22.66 SF)
(VAPOR BARRIER REQUIRED)



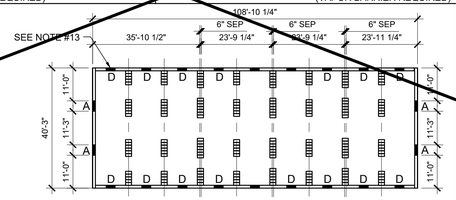
☐ 73'-0" x 40' BUILDING: 2920 SF / 150 = 19.46 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(12) - "C" VENT = 13.50 SF
20.50 SF TOTAL VENTILATION (> 19.46 SF)
(VAPOR BARRIER REQUIRED)



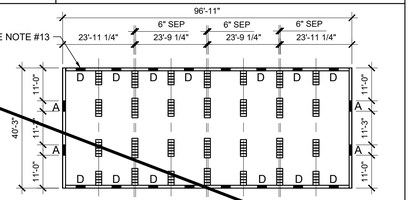
☐ 60'-6" x 40' BUILDING: 2420 SF / 150 = 16.13 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(8) - "C" VENT = 10.12 SF
17.12 SF TOTAL VENTILATION (> 16.13 SF)



☐ 122'-0" x 40' BUILDING: 4880 SF / 150 = 32.53 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(18) - "D" VENT = 27.00 SF
34.00 SF TOTAL VENTILATION (> 32.53 SF)
(VAPOR BARRIER REQUIRED)



☐ 109'-6" x 40' BUILDING: 4380 SF / 150 = 29.2 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(15) - "D" VENT = 22.5 SF
29.50 SF TOTAL VENTILATION (> 29.2 SF)
(VAPOR BARRIER REQUIRED)



☐ 97'-6" x 40' BUILDING: 3900 SF / 150 = 26 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(13) - "D" VENT = 19.50 SF
26.5 SF TOTAL VENTILATION (> 26 SF)
(VAPOR BARRIER REQUIRED)

WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
					☐ SEPARATE	☐ CONTINUOUS	☐ SEPARATE	☐ CONTINUOUS
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12	(2) ROWS OF 2x8	2x12
SILL	2x12 (2x14)[15]	2x12 (2x14)[15]	(6) 2x12 x 2'-0"	(6) 2x12 x 2'-0"	(2) ROWS OF 2x14	(9) 2x12 x 2'-0"	(2) ROWS OF 2x14	(8) 2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 3'-6" x 6" = 1.75 S.F. VENTILATION
"VENT OPENING BELOW CONT UPPER PLATE"

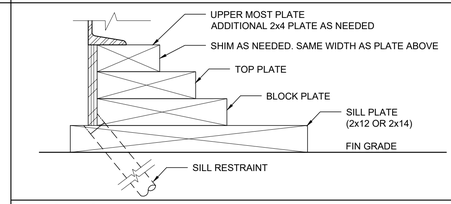
VENT "B" (ENDWALL): 3'-0" x 3" = 0.68 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATE"

VENT "C" (ENDWALL): 3'-0" x 4 1/2 " = 1.125 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): 3'-0" x 6" = 1.5 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

NOTE:
@ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL VENTS CHANGE FROM 3'-6" TO 3'-0", SEE VENTING SCHEDULE

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS OVER 2,160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153.
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE.
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50.
12. CRAWLSPACE VAPOR RETARDERS (WHERE INDICATED):
THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1202.4.1.2.
MATERIALS:
GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION.
15. IF PARAPET IS HIGHER THAN 18", COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING.
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTION.
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6'-0" LONG x 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8'-0" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.
18. WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808A.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 40'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" OR 1/2 THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.

NAILING SCHEDULE

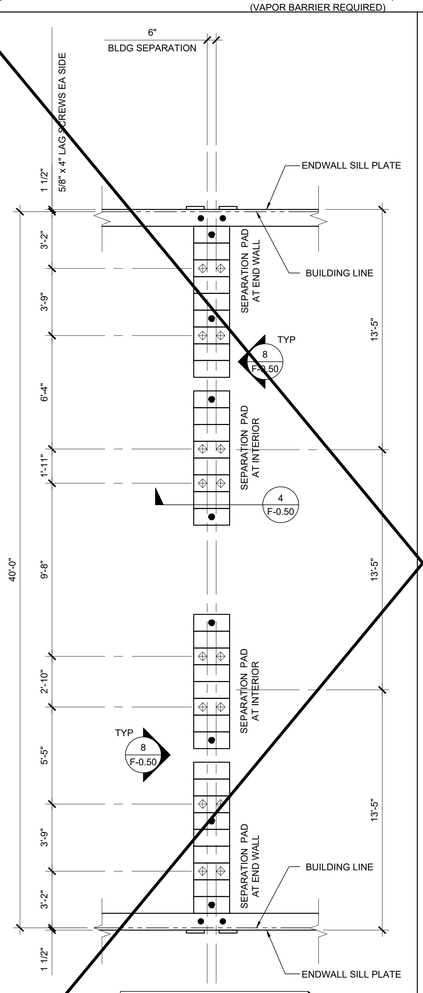
BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
24' x 40'	5" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 10" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

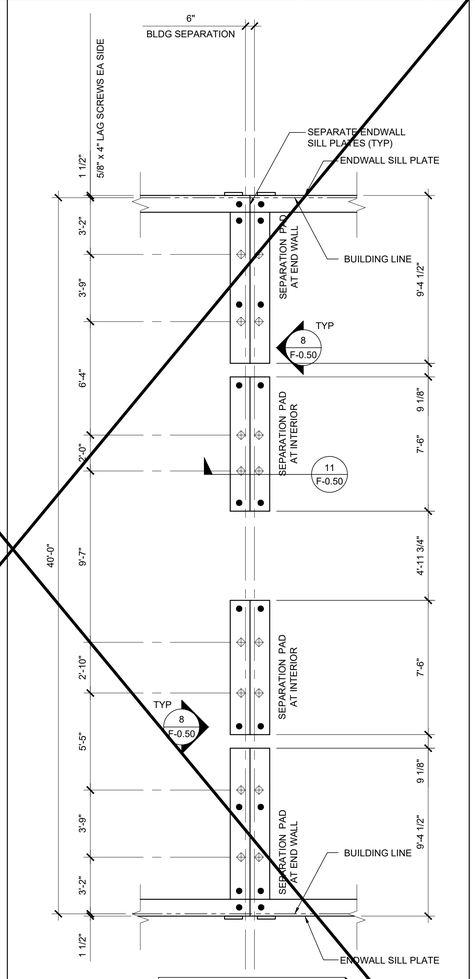
	BUILDING SIZE	BUILDING AREA	REQ. VENTING	SIDE VENTING	END VENTING	TOTAL VENTING SUPPLIED
W/O PARAPET	24' x 40'	960 SF	6.4 SF (1/150)	3'-6" x 6" = (4) 1.75 SF/EA	-	7.0 SF
W/ PARAPET	24' x 40'	960 SF	6.4 SF (1/150)	3'-0" x 6" = (4) 1.5 SF/EA (6 SF TOTAL)	3'-0" x 3" = (2) 1.5 SF/EA (.75 SF TOTAL)	7.5 SF SEE NOTE #8

TIE PLATE SCHEDULE

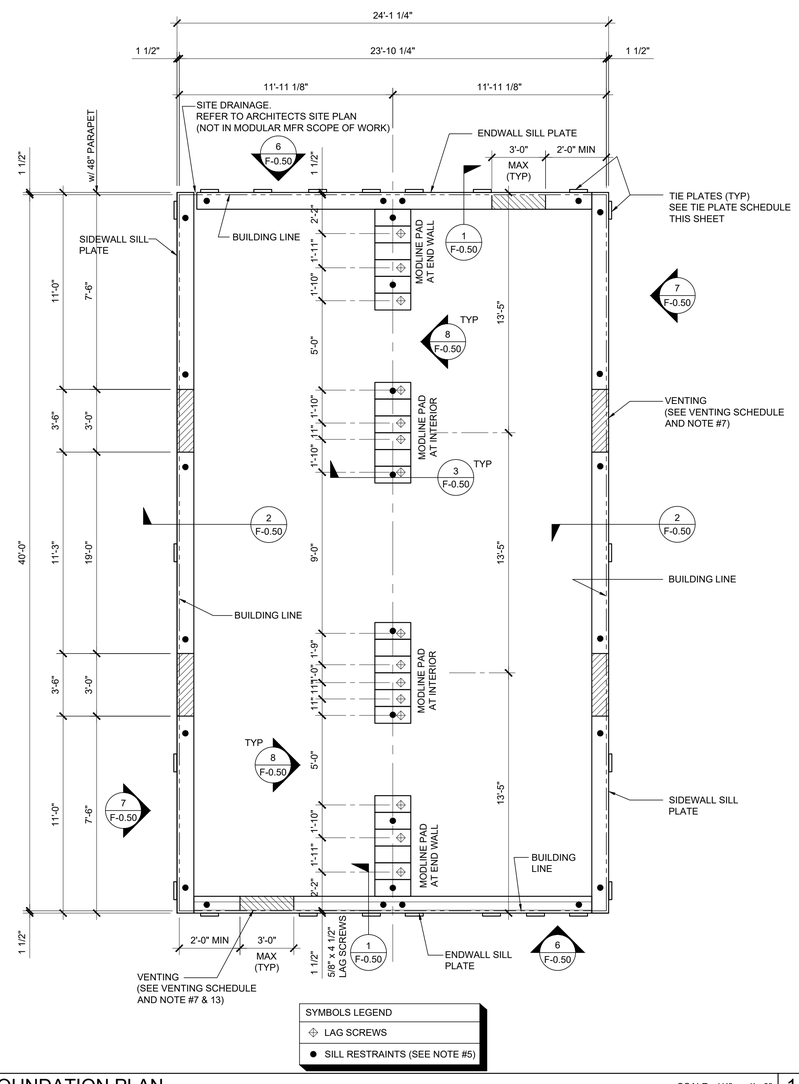
BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
24' x 40'	4	7	22



FOOTING AT SEPARATION SCALE: 1/4" = 1' - 0" 3



FOOTING AT SEPARATION SCALE: 1/4" = 1' - 0" 2



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

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SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

WOOD FOUNDATION PLAN
24x40
(50+15 PSF)

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

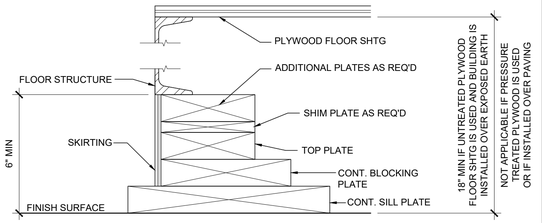
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24175 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

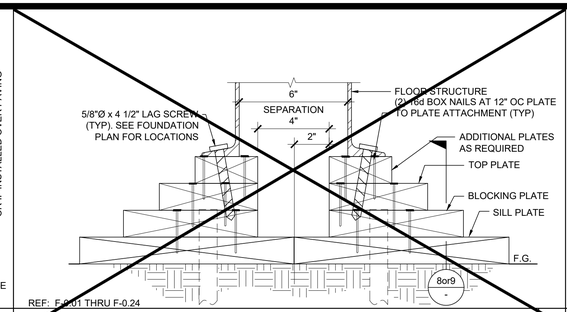
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
F-0.02



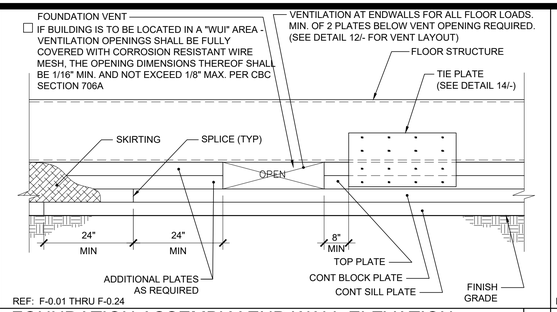
NOTE:
SEE SCHEDULE ON SHEET S-1.01 TO DETERMINE IF PRESSURE TREATED PLYWOOD FLOOR SHTG IS BEING PROVIDED

CLEARANCE TO PLYWOOD SHTG
SCALE : 3"=1'-0" | 16



REF: F-0.01 THRU F-0.24

FOUNDATION AT ADJACENT BUILDING
SCALE : 3"=1'-0" | 11



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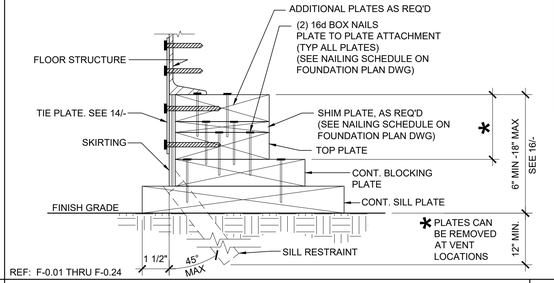
FOUNDATION ASSEMBLY END WALL ELEVATION
SCALE : 1 1/2"=1'-0" | 6



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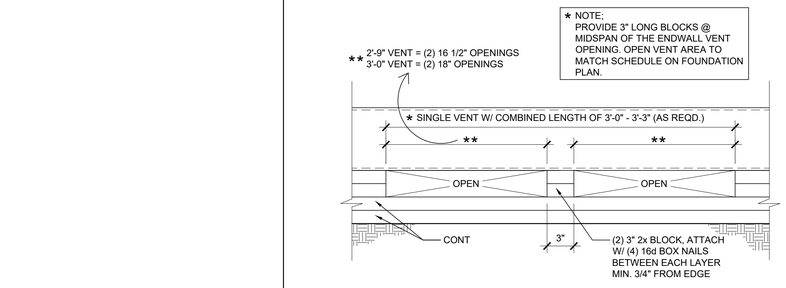
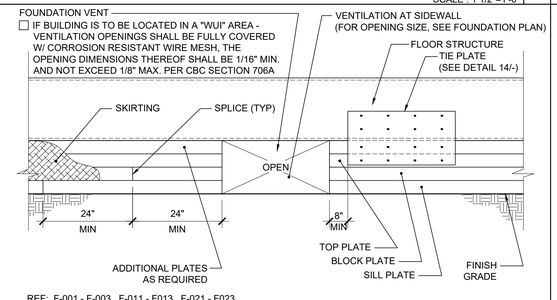
FOUNDATION AT END WALL
SCALE : 3"=1'-0" | 1

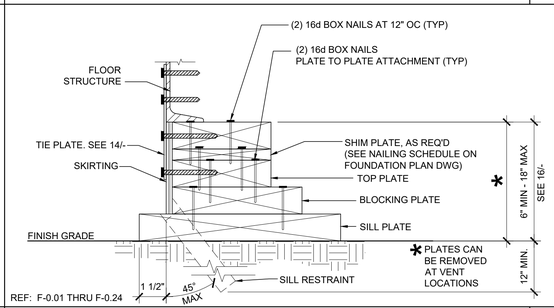


END WALL VENT
SCALE : 1 1/2"=1'-0" | 12



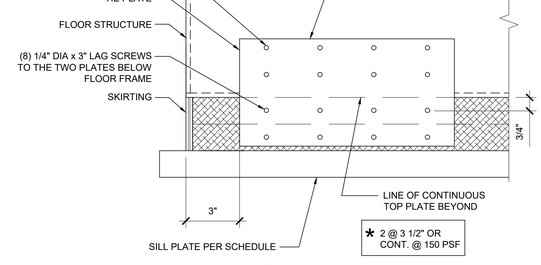
REF: F-001 - F-003, F-011 - F013, F-021 - F023

FOUNDATION ASSEMBLY SIDEWALL ELEVATION
SCALE : 1 1/2"=1'-0" | 7



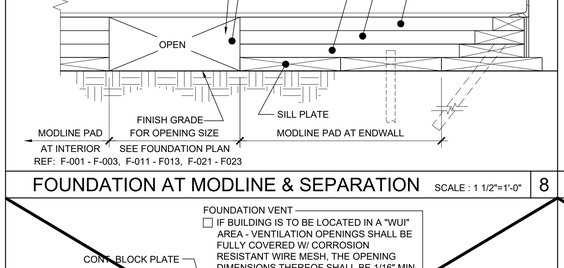
REF: F-0.01 THRU F-0.24

FOUNDATION AT SIDE WALL
SCALE : 3"=1'-0" | 2



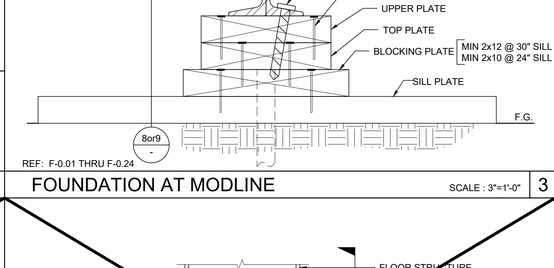
REF: F-0.01 THRU F-0.24

TIE PLATE
SCALE : 3"=1'-0" | 19



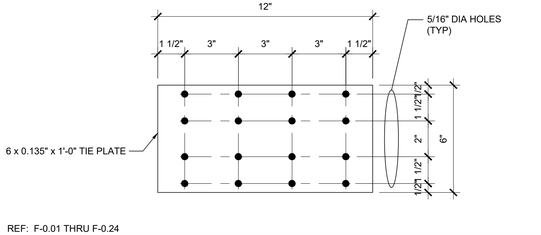
REF: F-001 - F-003, F-011 - F013, F-021 - F023

FOUNDATION AT MODLINE & SEPARATION
SCALE : 1 1/2"=1'-0" | 8



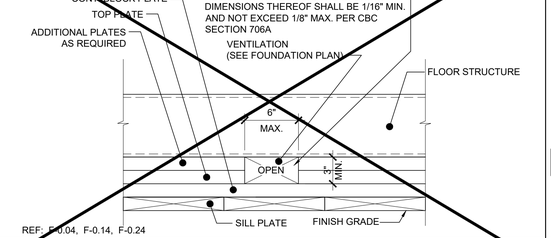
REF: F-0.01 THRU F-0.24

FOUNDATION AT MODLINE
SCALE : 3"=1'-0" | 3



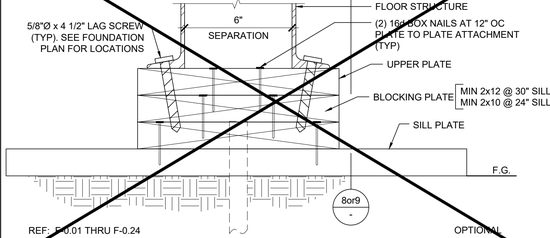
REF: F-0.01 THRU F-0.24 — OPTIONAL

FOUNDATION ANCHORAGE AT CONCRETE PAD
SCALE : 3"=1'-0" | 15



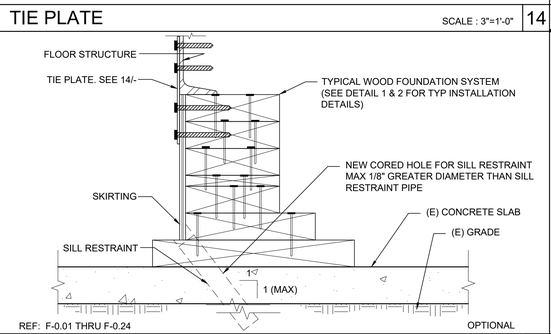
REF: F-0.04, F-0.14, F-0.24

VENT ELEV. AT MODLINE & SEP FOR 150 PSF
SCALE : 3"=1'-0" | 9



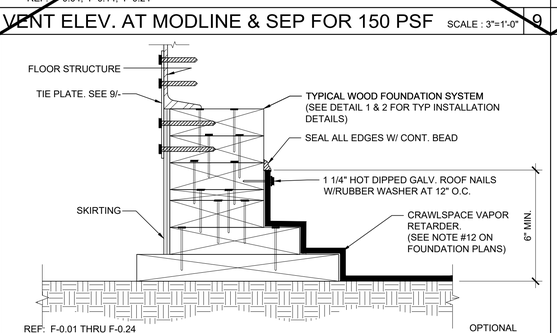
REF: F-0.01 THRU F-0.24 — OPTIONAL

FOUNDATION AT ADJACENT BUILDING
SCALE : 3"=1'-0" | 4



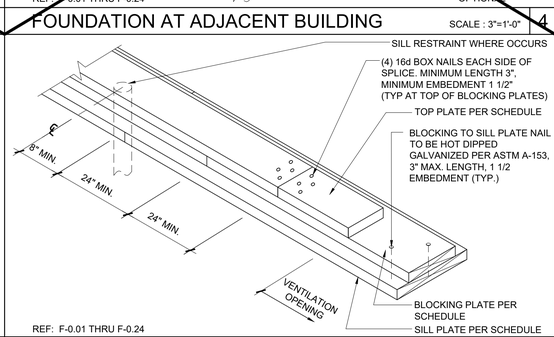
REF: F-0.01 THRU F-0.24 — OPTIONAL

FOUNDATION ANCHORAGE AT CONCRETE PAD
SCALE : 3"=1'-0" | 20



REF: F-0.01 THRU F-0.24 — OPTIONAL

CRAWLSPACE VAPOR RETARDER
SCALE : 3"=1'-0" | 10



REF: F-0.01 THRU F-0.24

FOUNDATION SPLICE
SCALE : NTS | 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

FOUNDATION DETAILS
WOOD

REVISIONS

1 2 3 4 5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24975 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

F-0.50

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE II OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

CONCRETE

PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONRETE FOUNDATIONS WILL BE AS FOLLOWS:

1. FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
2. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
   a) ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19A.
   b) AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-19
   c) SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.
4. DESIGN MIXES SHALL BE AS FOLLOWS:

☑ WHERE A GEOTECHNICAL REPORT IS NOT PROVIDED:
MINIMUM COMPRESSIVE STRENGTH = 5,000 PSI
MAXIMUM WATER/CEMENT RATIO = 0.40
CEMENT TYPE = V COMPLYING WITH ACI 319-19, TABLE 19.3.2.1, FOOTNOTE 8
NORMAL WEIGHT
NO ADMIXTURES CONTAINING CALCIUM CHLORIDE

☐ WHERE A GEOTECHNICAL REPORT IS PROVIDED WHICH INDICATES ONE OF THE FOLLOWING EXPOSURE CLASSIFICATIONS (F0, F1, S0, S1, W0, W1, C0, C1)
MINIMUM COMPRESSIVE STRENGTH = 4,000 PSI
MAXIMUM WATER/CEMENT RATIO = 0.50
CEMENT TYPE = II/V
NORMAL WEIGHT

NOTE: WHERE CONCRETE IS EXPOSED TO THAW AND FREEZE CYCLES IT SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3.1.

5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
6. THE ARCHITECT SHALL APPROVE LOCATION OF:
   a) OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
   b) OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.
7. VARIANCE IN TOP OF STEMWALL AND/OR ANCHOR PLATE SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
8. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
9. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
10. CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
3. BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK , IT'S LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 60. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 40.
2. SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED. SPLICES SHALL BE STAGGERED A MINIMUM OF 24" FROM ADJACENT HORIZONTAL BARS.
3. REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
4. MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

5. HOOKS SHALL BE STAGGERED IN ALTERNATING DIRECTIONS.

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
2. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085
3. PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085
4. TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2022 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION: TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

BOLTS:

ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.

STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT/LBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDED MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. ★ (SEE OPTIONAL PROCESS)

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.

a) FLOOR AND ROOF DECK WELDING.
b) WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
c) WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
d) SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.

FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.
★ OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL/REBAR (MEETS ALL CHARPY REQUIREMENTS)
E71T-11 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:
STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW, SEE PLAN FOR MINIMUM YIELD.
MATERIAL THICKNESS 0.060" OR LESS: ASTM A-1011/A GRADE 33 (UNO)
MATERIAL THICKNESS 0.060" OR GREATER: ASTM A-1011/A GRADE 50

SHEET STEEL DESIGNATION (GAUGE)	MINIMUM DELIVERED THICKNESS (INCHES)
26	0.017
22	0.029
20	0.034
18	0.046
16	0.057
14	0.071
12	0.100
11	0.114
10	0.128

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

NTD:
(b) CJP GROOVE WELD NDT
ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:

FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER WCLB RULES #16. MOISTURE CONTENT = 19% MAX.
PLATES AND BLOCKING - STANDARD GRADE OR BETTER
STUDS AND HEADER = HF #2, OR DF #2, OR BETTER

SHEATHING:

AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
2. PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
3. EXTERIOR WALL SIDING:
   i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
   ii. OPTIONAL: 5/8" MDO
   iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
4. EXTERIOR WALL SIDING ATTACHMENT:
   FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.10.1.1

TREATED WOOD:

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED LESS THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL PER (CBC SECTION 2304.12.1.2).
1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
2. WOOD FASTENERS OTHER THAN SCREWS.
   ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.10.5.1

CONTINUOUS INSPECTION:

PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL, AND MISC. STEEL:

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTION:
ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:

* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
* NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
* ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:
ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE, PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:
3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
SPAN RATING 48/24 MIN.
FASTEN TO ROOF JOISTS AND BEAMS W/ #10 X 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" OC AT BOUNDARIES, 6" OC AT EDGES, AND 12" OC FIELD SCREWS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:
1 1/8" PLYWOOD - STURD-I-FLOOR
EXTERIOR - TONGUE AND GROOVE EDGES
SPAN RATING: 48"
FASTEN TO FLOOR JOISTS AND BEAMS W/ #10 - 24 X 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

@ 150-PSF ((FULLY BLOCKED))
FASTEN TO SHEET METAL SUPPORTS w/ #10 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" O.C. BOUNDARIES + CONT. PANEL EDGES, 6" O.C. @ ALL OTHER PANEL EDGES 12" O.C. INTERMEDIATE.
ALL EDGES OF ALL PANELS SHALL BE ATTACHED TO FRAMING MEMBERS OR BLOCKING. WHERE USED AS BLOCKING, FLAT STRAPPING SHALL BE A MINIMUM THICKNESS OF 33 MILS WITH A MINIMUM WIDTH OF 1.5 INCHES. SCREWS SHALL BE INSTALLED THROUGH THE SHEATHING TO THE BLOCKING.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3000 PSI MIN
TYPE: I OR II
DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:
2 X STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 X 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:

INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1. CALIFORNIA BUILDING CODE, 2022 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 15TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

WORKMANSHIP:
WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

INSPECTIONS:
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CHANGES:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

NAILING NOTES:
1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

CONNECTION AND FASTENERS:
ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.

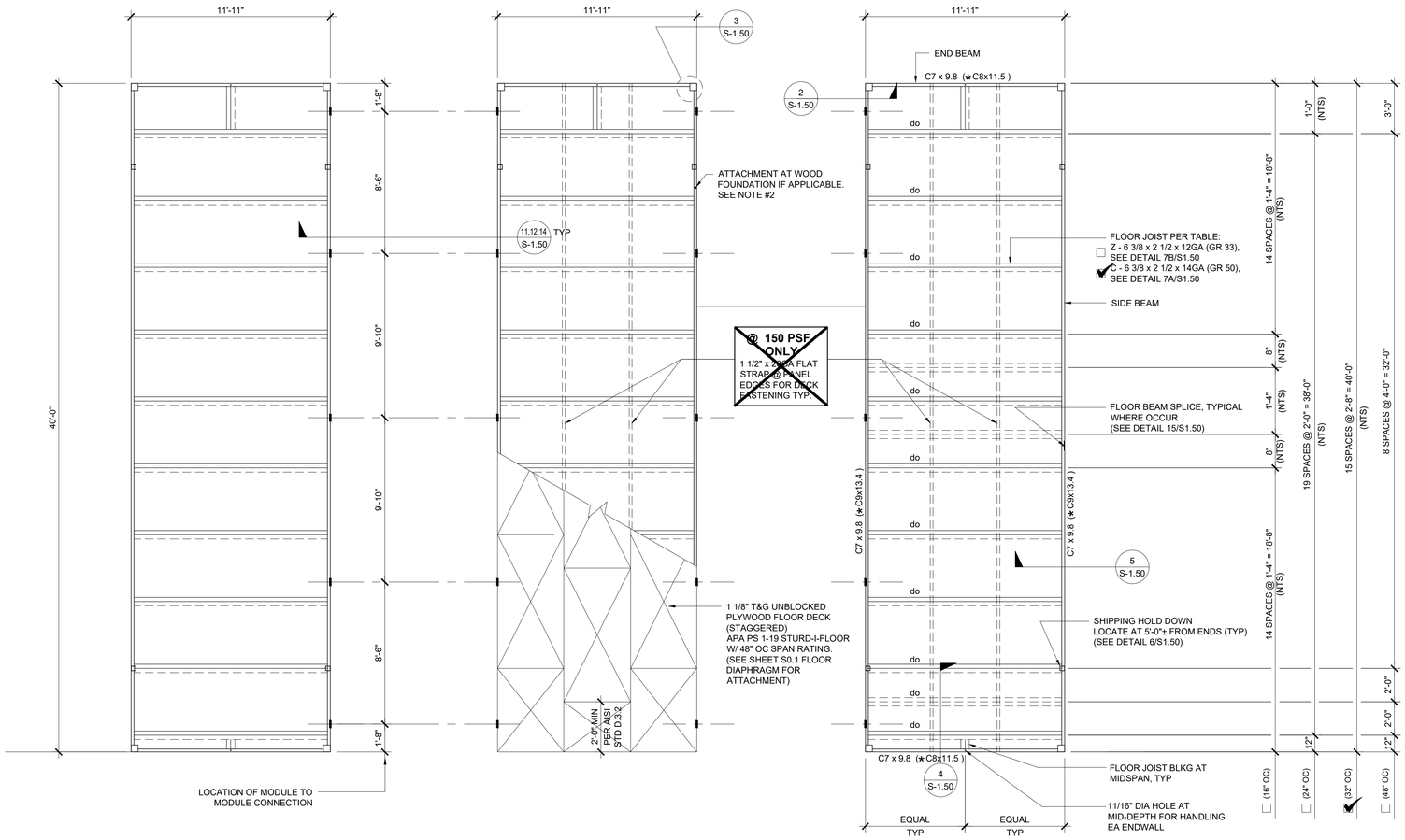
CONNECTION OF LAG SCREWS:
AS REQUIRED PER ANSI / AF&FA NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE (2022 CBC TABLE 2304.10.1)

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
Roof		
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2 1/2" × 0.131") 2-3" × 0.131" nails 2-3" 14 gage staples	Each end, toenail
	2-16 d common (3 1/2" × 0.162") 3-3" × 0.131" nails 3-3" 14 gage staples	End nail
Flat blocking to truss and web filler	16d common (3 1/2" × 0.162") @ 6" o.c. 3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c	Face nail
2. Ceiling joists to top plate	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	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 (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or	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 (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	3-10 common (3" × 0.148"); or 3-16d box (3 1/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131 nails; or 4-3" 14 gage staples, 7/16" crown	Toenail[c]
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown; or	End nail
	3-10d common (3" × 0.148"); or 4-16d box (31/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
Wall		
8. Stud to stud (not at braced wall panels)	16d common (3 1/2" × 0.162");	24" o.c. face nail
	10d box (3" × 0.128"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3 1/2" × 0.162"); or	16" o.c. face nail
	16d box (3 1/2" × 0.135"); or	12" o.c. face nail
	3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	12" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3 1/2" × 0.162"); or	16" o.c. each edge, face nail
	16d box (3 1/2" × 0.135")	12" o.c. each edge, face nail
11. Continuous header to stud	4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128")	Toenail
12. Top plate to top plate	16d common (3 1/2" × 0.162"); or	16" o.c. face nail
	10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c face nail
13. Top plate to top plate, at end joints	8-16d common (3 1/2" × 0.162"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails; or 12-3" 14 gage staples, 7/16" crown	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
14. Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2" × 0.162"); or	16" o.c. face nail
	16d box (3 1/2" × 0.135"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c. face nail
15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels	2-16d common (3 1/2" × 0.162"); or 3-16d box (3 1/2" × 0.135"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c face nail
16. Stud to top or bottom plate	4-8d common(2 1/2" × 0.131"; or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or	Toenail
	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
17. Top plates, laps at corners and intersections	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Face nail
18. 1" brace to each stud and plate	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Face nail
19. 1" × 6" sheathing to each bearing	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")	Face nail
20. 1" × 8" and wider sheathing to each bearing	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128")	Face nail
Floor		
21. Joist to sill, top plate, or girder	3-8d common (2 1/2" × 0.131"); or floor 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Toenail
22. Rim joist, band joist, or blocking to top plate, sill or other framing below	8d common (2 1/2" × 0.131"); or 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	6" o.c., toenail
23. 1" × 6" subfloor or less to each joist	2-8d common (2 1/2" × 0.131"); or 2-10d box (3"

NOTE:
* SEE BEAM AND COLUMN SCHEDULE ON SHEETS S-3.01 THRU S-3.02 FOR APPLICABLE FLOOR BEAM SIZE

REAR



LEFT HAND MODULE | INTERIOR MODULE | RIGHT HAND MODULE

FRONT

NOTES:

1. FOR FLOOR BLOCKING SEE DETAILS 4,7B / S-1.50 (STD), 4,7A / S-1.50 (ALT)
2. FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS, PROVIDE 11/16" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW. FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.
3. FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR NATURALLY DURABLE IF BOTTOM OF PLYWOOD IS LESS THAN 18" CLEAR FROM EXPOSED EARTH.
4. HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.02

FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING	
		CLASSROOM ☑	OFFICE ☐
☐	50	48"	48" DBL JOIST
☐	50	32"	32" DBL JOIST
☐	50	24"	24" DBL JOIST
☐	50	16"	16" DBL JOIST
☑	50 + 15	32"	
☐	50 + 15	24"	
☐	50 + 15	16"	
☐	100	24"	
☐	100	16"	
☐	150	16"	

FLOOR SHEATHING

☐ PRESSURE TREATED
☑ NON-PRESSURE TREATED

NOTE:
PRESSURE TREATED SHEATHING SHALL ONLY BE PROVIDED WHEN WOOD FOUNDATIONS ARE USED AND EXPOSED EARTH OCCURS WITHIN THE FOUNDATION AT A DISTANCE OF LESS THAN 18" BELOW THE UNDERSIDE OF THE FLOOR SHEATHING. SEE 16/F-0.50 FOR ADDITIONAL INFORMATION.

FLOOR FRAMING PLAN

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026
PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
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PROJECT NAME:
PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:
FLOOR FRAMING PLAN
WOOD FLOOR

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023
PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

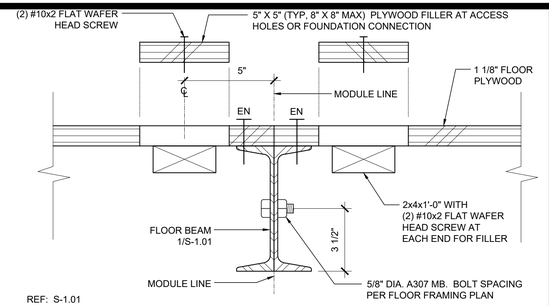
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STANLEY 2475 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

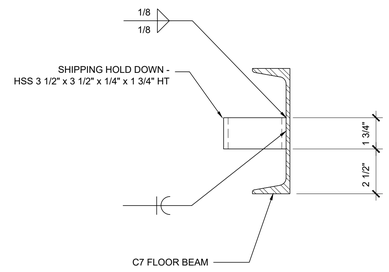
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER
S-1.01



REF: S-1.01

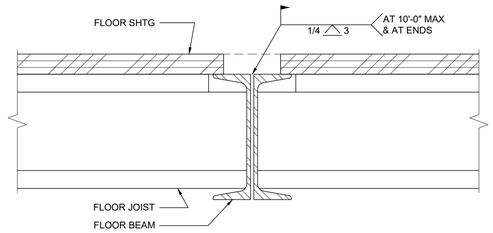
16 MODULE LINE - BOLTED CONNECTION SCALE : 3" = 1'-0"



REF: S-1.01

11 SHIPPING HOLD DOWN DETAIL SCALE : 3"=1'-0"

1



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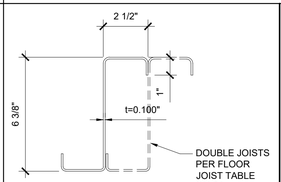
17 MODULE LINE CONNECTION (OPTION 1) SCALE : 3"=1'-0"



ALTERNATE JOIST

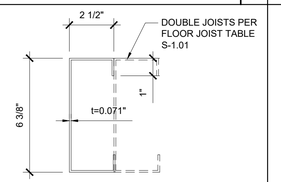
t=0.100"
Sx : 2.4465 IN^3 MIN
Ix : 7.798 IN ^{4}
Fy : 33 KSI

ASTM A-1011, GRADE 33

REF: S-1.01

12 FLOOR JOIST SCALE : 3" = 1'-0"

7B

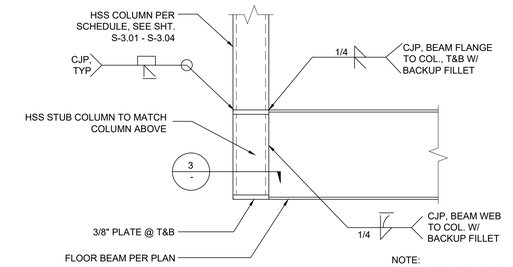


STANDARD JOIST

t=0.071"
Sx : 1.8022 IN^3 MIN
Ix : 5.745 IN^4 MIN
Fy : 50 KSI

ASTM A-1011, GRADE 50

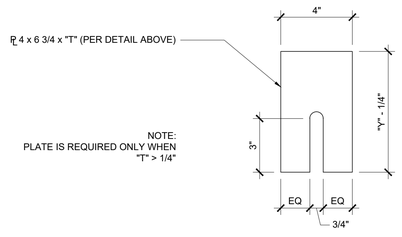
7A FLOOR JOIST SCALE : 3" = 1'-0"



REF: S-1.01

FLOOR BEAM TO COLUMN CONNECTION SCALE : 1 1/2" = 1'-0"

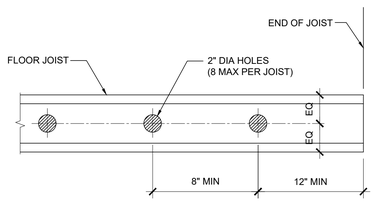
2



REF: S-1.01

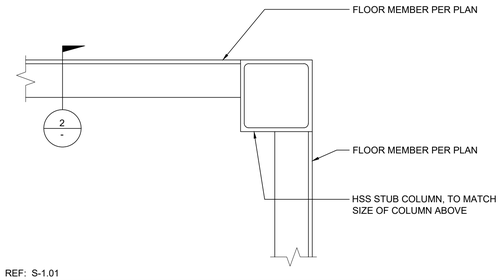
19 MODULE LINE CONNECTION (OPTION 2) SCALE : 3"=1'-0"

14



FLOOR JOIST HOLES (OPTIONAL) SCALE : 1/8" = 1'-0"

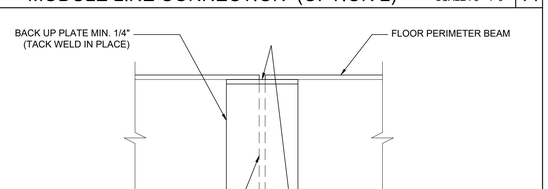
8



REF: S-1.01

CORNER CONNECTION SCALE : 3" = 1'-0"

3



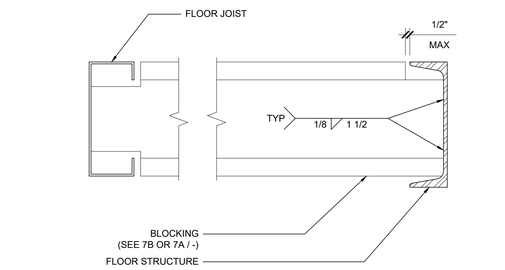
REF: S-1.01

20 FLOOR BEAM SPLICE SCALE : 3" = 1'-0"

15

NOT USED

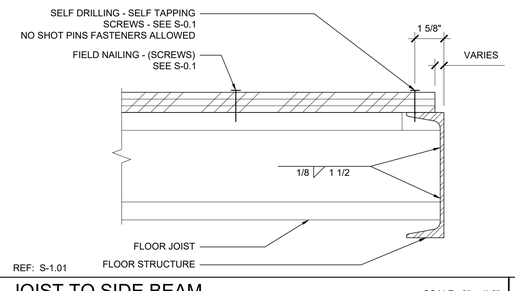
10



REF: S-1.01

BLOCKING TO END BEAM SCALE : 3" = 1'-0"

4



REF: S-1.01

JOIST TO SIDE BEAM SCALE : 3" = 1'-0"

5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

FLOOR FRMING DETILS
WOOD FLOOR

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

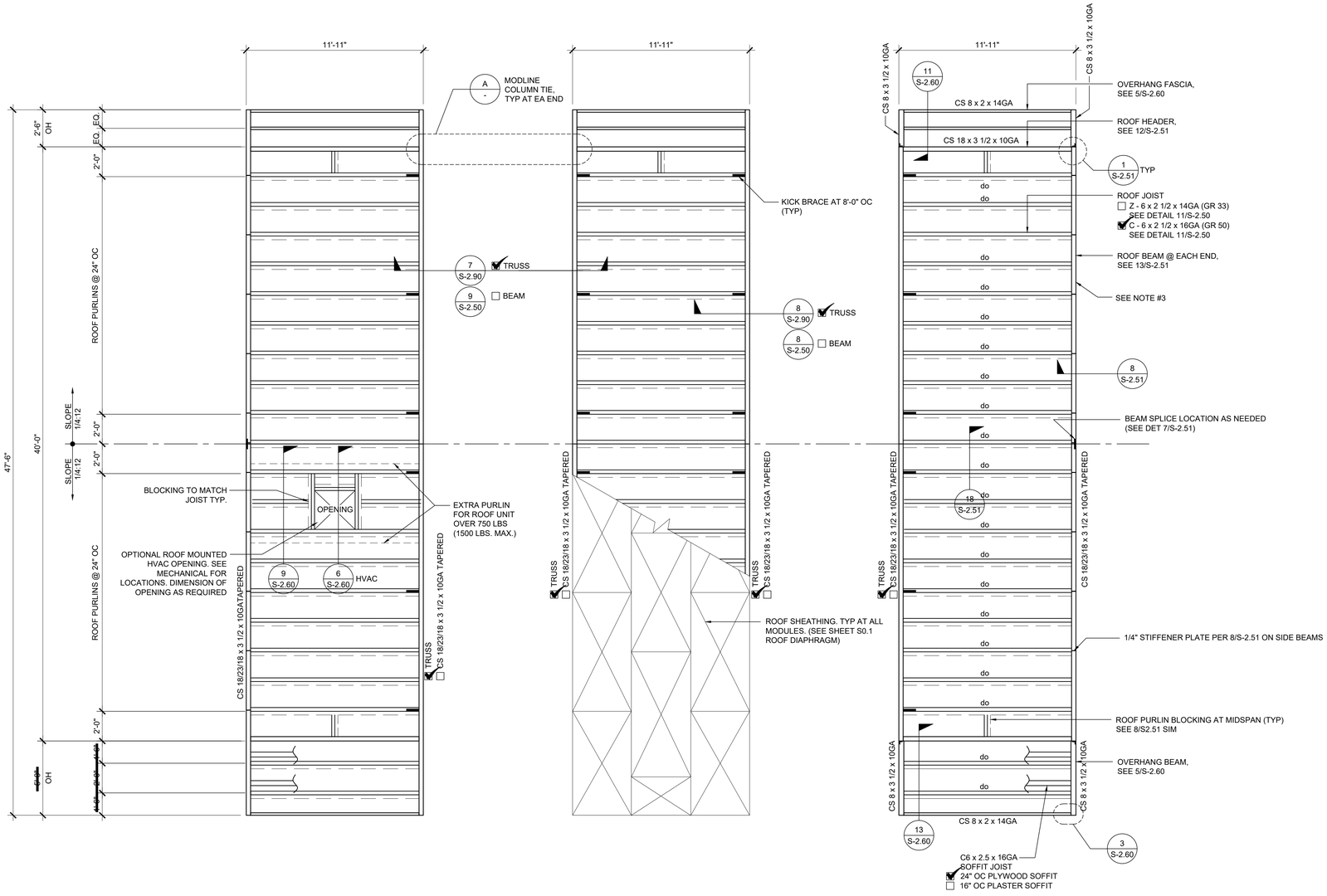
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24575 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

S-1.50



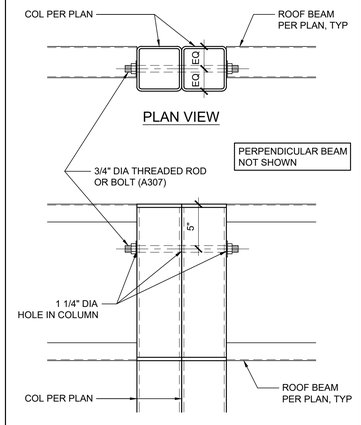
LEFT HAND MODULE

~~INTERIOR MODULE~~

RIGHT HAND MODULE

NOTES

1. FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5,15 / S-2.50 OR 5,15/S-2.51 FOR DETAILS
2. PROVIDE ADDITIONAL JOIST FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S-2.50 OR 14 / S-2.51 DETAILS.
3. FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS



SECTION VIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ROOF FRAMING PLAN
DUAL SLOPE

REVISIONS

1
2
3
4
5

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Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

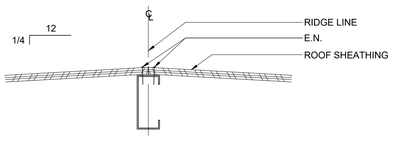
REGISTERED PROFESSIONAL ENGINEER JOHN W STARK 2975 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES	24' x 40' PC
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

S-2.11

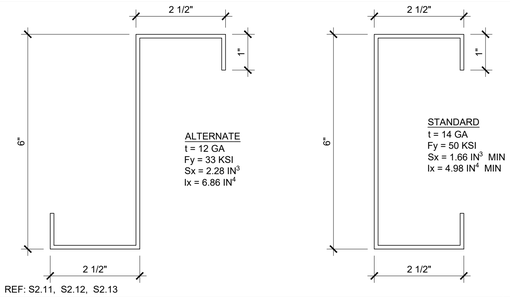
NOT USED 16



REF: S2.11, S2.12, S2.13

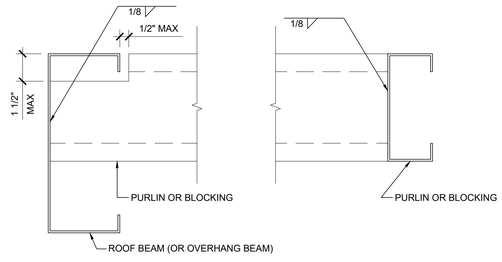
PURLINS AT RIDGE SCALE : 1 1/2"=1'-0" 18

ROOF PURLIN SCALE : 6"=1'-0" 11



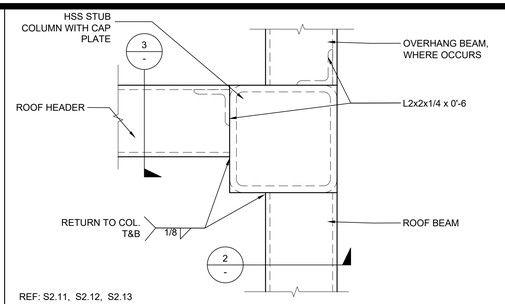
REF: S2.11, S2.12, S2.13

TYPICAL PURLIN CONNECTION DETAIL SCALE : 3" = 1'-0" 6



REF: S2.12

COLUMN AT ROOF - PLAN SCALE : 3" = 1'-0" 1



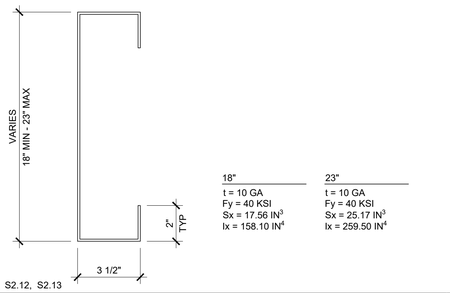
REF: S2.11, S2.12, S2.13

NOT USED 17

18"
t = 10 GA
Fy = 40 KSI
Sx = 17.56 IN3
Ix = 158.10 IN4

REF: S2.11, S2.12, S2.13

ROOF HEADER SCALE : NTS 12

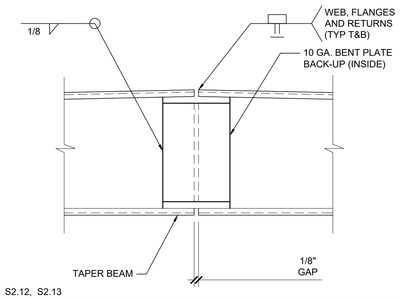


18"
t = 10 GA
Fy = 40 KSI
Sx = 17.56 IN3
Ix = 158.10 IN4

23"
t = 10 GA
Fy = 40 KSI
Sx = 25.17 IN3
Ix = 259.50 IN4

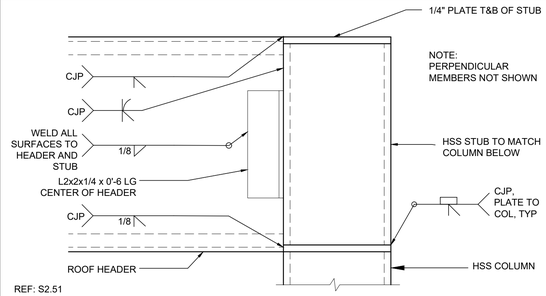
REF: S2.11, S2.12, S2.13

BEAM SPLICE SCALE: 3" = 1'-0" 7



REF: S2.11, S2.12, S2.13

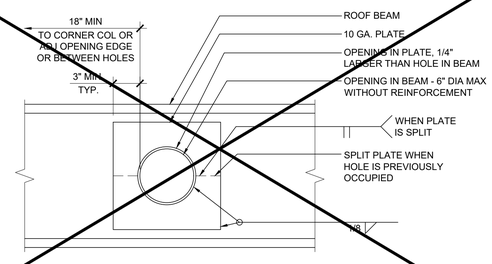
COLUMN AT ROOF - SECTION SCALE : 3" = 1'-0" 2



REF: S2.51

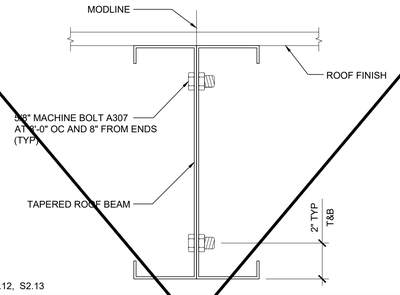
NOT USED 19

SIDEWALL BEAM PENETRATION SCALE : 1 1/2"=1'-0" 14



REF: S2.11, S2.12, S2.13

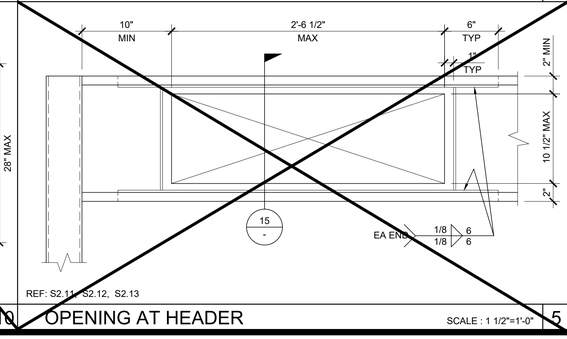
MODULE CONNECTION AT ROOF (OPTION) SCALE : 3"=1'-0" 9



REF: S2.11, S2.12, S2.13

NOT USED 4

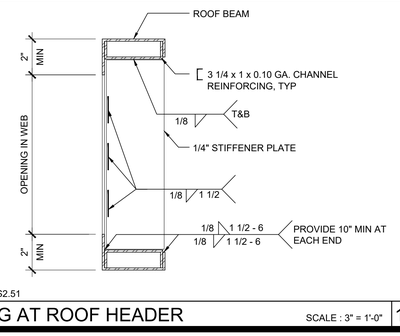
OPENING AT HEADER SCALE : 1 1/2"=1'-0" 5



REF: S2.11, S2.12, S2.13

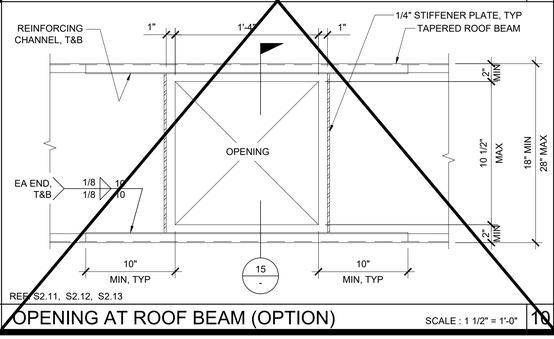
NOT USED 20

WEB OPENING AT ROOF HEADER SCALE : 3" = 1'-0" 15



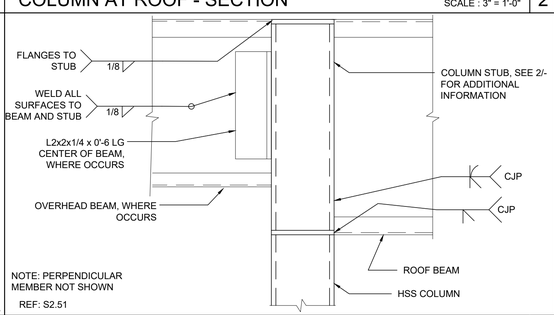
REF: S2.11, S2.12, S2.13, S2.51

OPENING AT ROOF BEAM (OPTION) SCALE : 1 1/2" = 1'-0" 10



REF: S2.11, S2.12, S2.13

COLUMN AT ROOF OVERHANG SCALE : 3" = 1'-0" 3



NOTE: PERPENDICULAR MEMBER NOT SHOWN

REF: S2.51

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO
ELEMENTARY
(1) 24' x 40' **FB-26-15**

SHEET TITLE:

ROOF FRAMING DETAILS
DUAL SLOPE

REVISIONS

1	
2	
3	
4	
5	

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MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24775 STRUCTURAL STATE OF CALIFORNIA

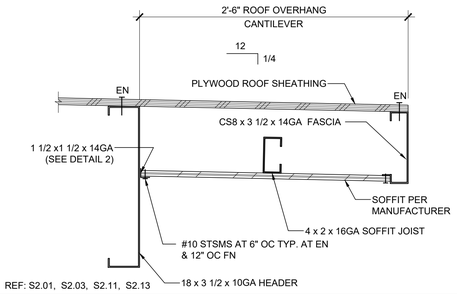
SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

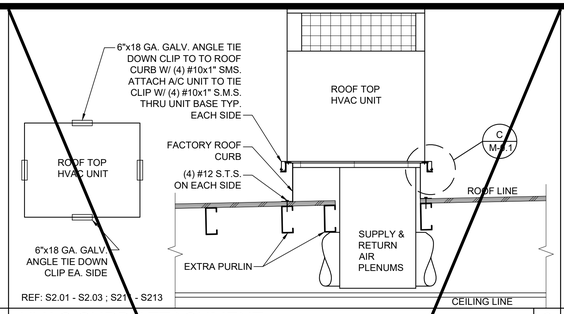
S-2.51

NOT USED | 16



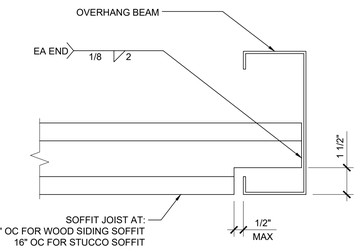
REF: S2.01, S2.03, S2.11, S2.13

REAR OVERHANG SECTION SCALE : 1 1/2" = 1'-0" | 11



REF: S2.01 - S2.03 ; S211 - S213

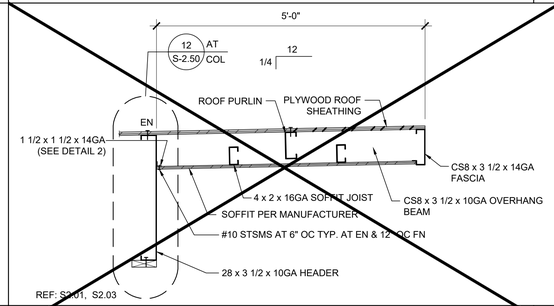
HVAC CURB ATTACHMENT SCALE : 3/4" = 1'-0" | 6



REF: S3.01

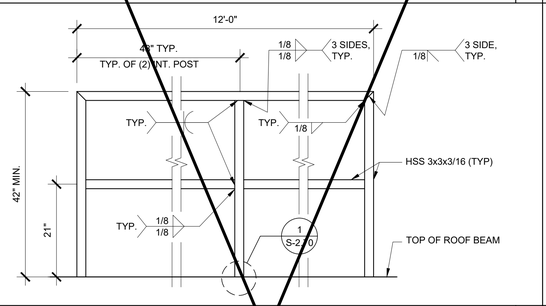
SOFFIT JOIST TO OVERHANG BEAM SCALE : 3"=1'-0" | 1

NOT USED | 17

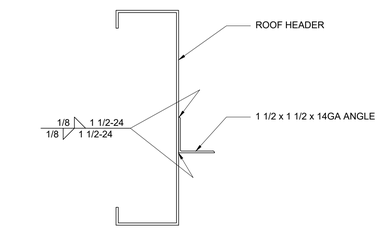


REF: S2.01, S2.03

FRONT OVERHANG SECTION - MONO SLOPE SCALE: 3/4" = 1'-0" | 12

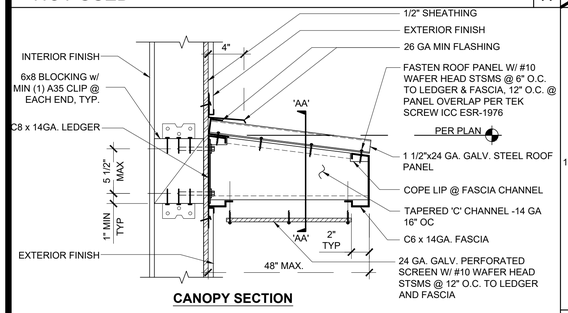


GUARDRAIL AT SIDEWALL SCALE : 3/4"=1'-0" | 7

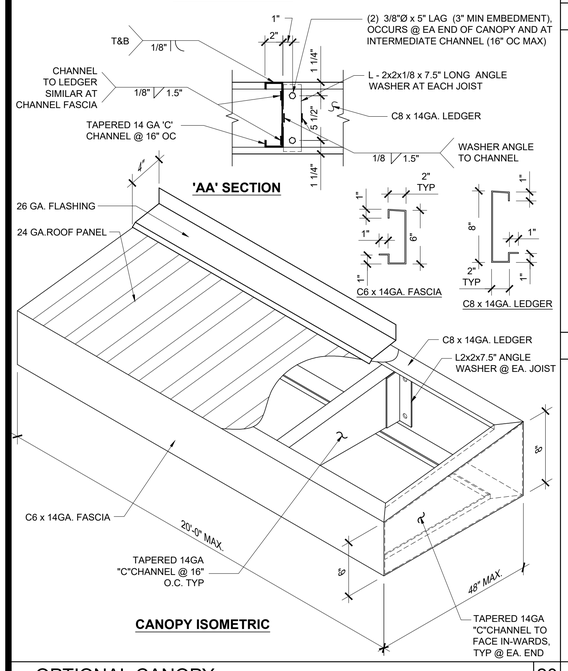


REF: S3.01

SOFFIT ANGLE TO HEADER CONNECTION SCALE : 3"=1'-0" | 2

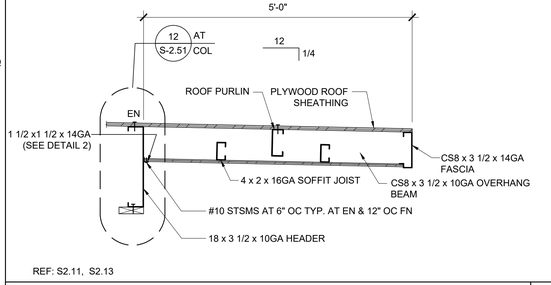


CANOPY SECTION



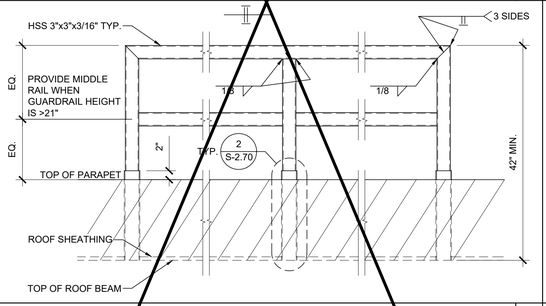
CANOPY ISOMETRIC

OPTIONAL CANOPY SCALE : 1 1/2" = 1'-0" | 20

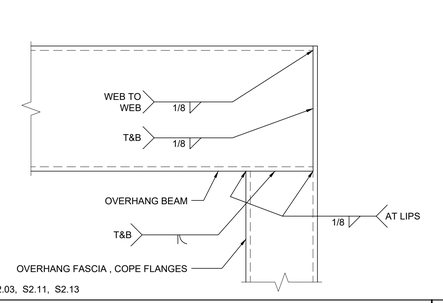


REF: S2.11, S2.13

FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0" | 13



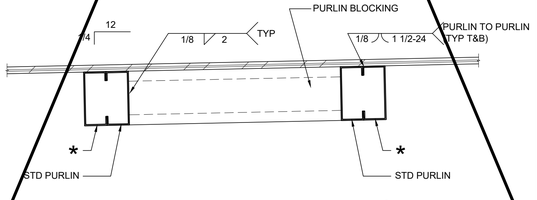
ROOF GUARDRAIL W/ PARAPET SCALE : 3/4" = 1'-0" | 8



REF: S2.01, S2.03, S2.11, S2.13

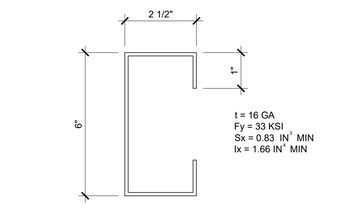
OVERHANG FASCIA TO BEAM CONNECTION SCALE : 6"=1'-0" | 3

NOT USED | 14



REF: S2.01 - S2.03 ; S211 - S213

DOUBLE PURLINS AT HVAC SCALE: 1 1/2" = 1'-0" | 9

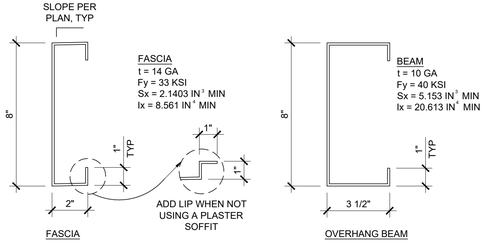


REF: S2.01, S2.03, S2.11, S2.13, S3.01

SOFFIT JOIST SCALE : 6"=1'-0" | 4

NOT USED | 15

NOT USED | 10



REF: S2.01, S2.03, S2.11, S2.13

OVERHANG FASCIA & BEAM SCALE : 3"=1'-0" | 5

IDENTIFICATION STAMP
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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ROOF FRAMING DETAILS

REVISIONS

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MODULAR BUILDING DESIGN PROFESSIONAL

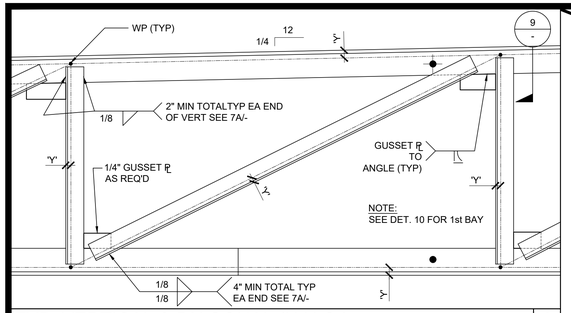
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24175
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

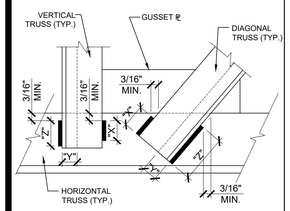
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

S-2.60



TYP. VERTICAL & DIAGONAL (U.N.O.) SCALE: 1 1/2" = 1' - 0" | 6

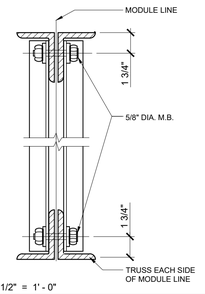


"X" = 1/3 OF TOTAL LENGHT OF WELD REQUIRED, ON SIDE WITHOUT LEG

"Z" = 2/3 OF TOTAL LENGHT OF WELD REQUIRED, ON SIDE WITH LEG

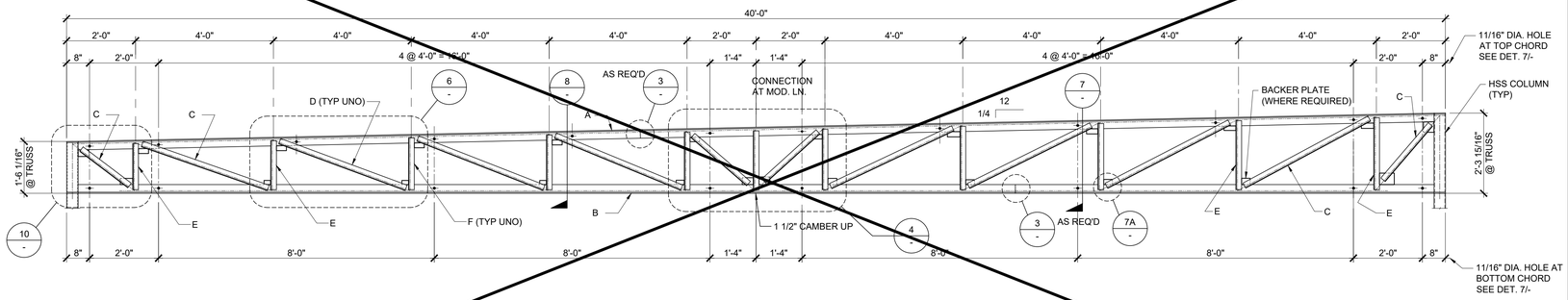
SCALE: N.T.S.

FILLET WELD TERMINATION | 7A



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

CONNECTION @ MODULE LINE | 7



NOTES:

1. SEE SHEET S-0.1 FOR STEEL GRADES.
2. REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
3. VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
4. BOLTS AND NUTS GRADES TO BE A307

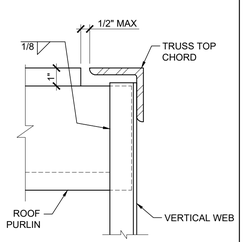
REF: ROOF FRAMING PLAN

TRUSS MARK:			Y=
A	TOP CHORD	4" x 4" x 3/8" (LLV)	1 1/4
B	BOTTOM CHORD	4" x 4" x 3/8" (LLV)	1 1/4
C	END DIAGONALS (2 EACH END)	2" x 2" x 10 GA.	9/16
D	TYPICAL DIAGONALS	1 1/2" x 1 1/2" x 10 GA.	7/16
E	END VERTICAL (2 EACH END)	1 1/2" x 1 1/2" x 10 GA.	7/16
F	TYPICAL VERTICALS	1 1/2" x 1 1/2" x 10 GA.	7/16

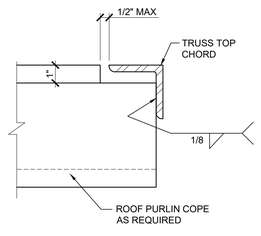
NOTE; "Y" MAY BE 1/4" MAX. OUT OF ALIGNMENT

MONO SLOPE TRUSS SCALE: 1/2" = 1' - 0" | 1

BRACE @ TRUSS & MATING LINE SCALE: 1 1/2" = 1' - 0" | 8

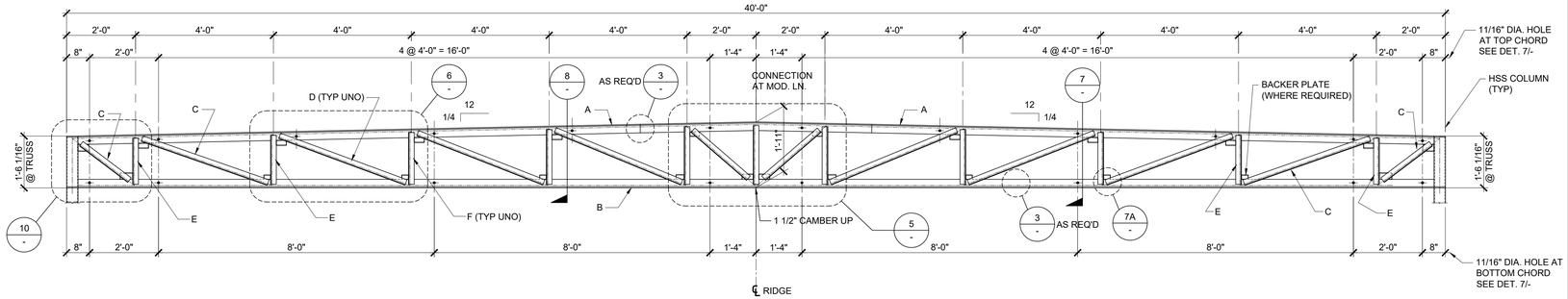


SCALE: 3" = 1' - 0"



PURLIN TO VERT. ANGLE CONN. | 9B

PURLIN TO TRUSS CONN. SCALE: 3"=1'- 0" | 9A



NOTES:

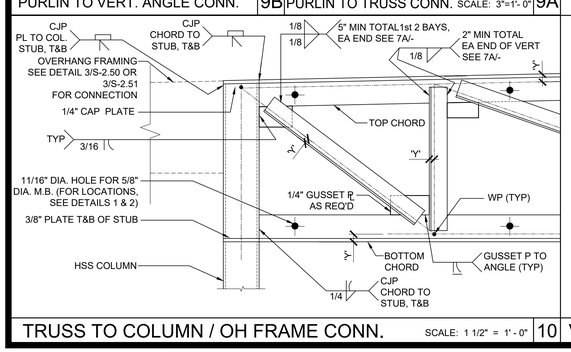
1. SEE SHEET S-0.1 FOR STEEL GRADES.
2. REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
3. VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
4. BOLTS AND NUTS GRADES TO BE A307

REF: ROOF FRAMING PLAN

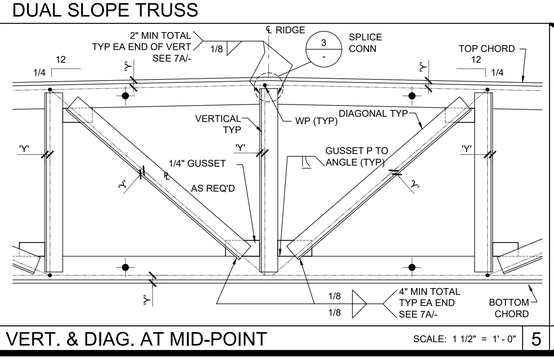
TRUSS MARK:			Y=
A	TOP CHORD	4" x 4" x 3/8" (LLV)	1 1/4
B	BOTTOM CHORD	4" x 4" x 3/8" (LLV)	1 1/4
C	END DIAGONALS (2 EACH END)	2" x 2" x 10 GA.	9/16
D	TYPICAL DIAGONALS	1 1/2" x 1 1/2" x 10 GA.	7/16
E	END VERTICAL (2 EACH END)	1 1/2" x 1 1/2" x 10 GA.	7/16
F	TYPICAL VERTICALS	1 1/2" x 1 1/2" x 10 GA.	7/16

NOTE; "Y" MAY BE 1/4" MAX. OUT OF ALIGNMENT

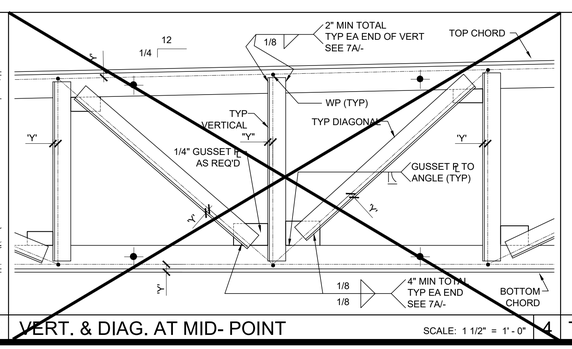
DUAL SLOPE TRUSS SCALE: 1/2" = 1' - 0" | 2



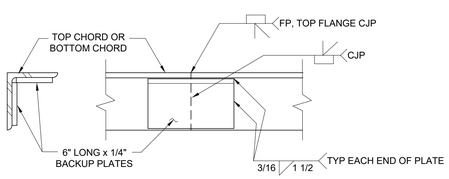
TRUSS TO COLUMN / OH FRAME CONN. SCALE: 1 1/2" = 1' - 0" | 10



VERT. & DIAG. AT MID-POINT SCALE: 1 1/2" = 1' - 0" | 5



VERT. & DIAG. AT MID- POINT SCALE: 1 1/2" = 1' - 0" | 4



OPTIONAL

NOTE:

CHORD SPLICE MAY OCCUR AT ANY POINT ON THE TOP OR BOTTOM CHORD AS LONG AS FULL PENETRATION WELD AND BACKUP PLATES ARE USED

TRUSS CHORD SPLICE SCALE: 3" = 1' - 0" | 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ROOF FRAMING DETAILS
TRUSS

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

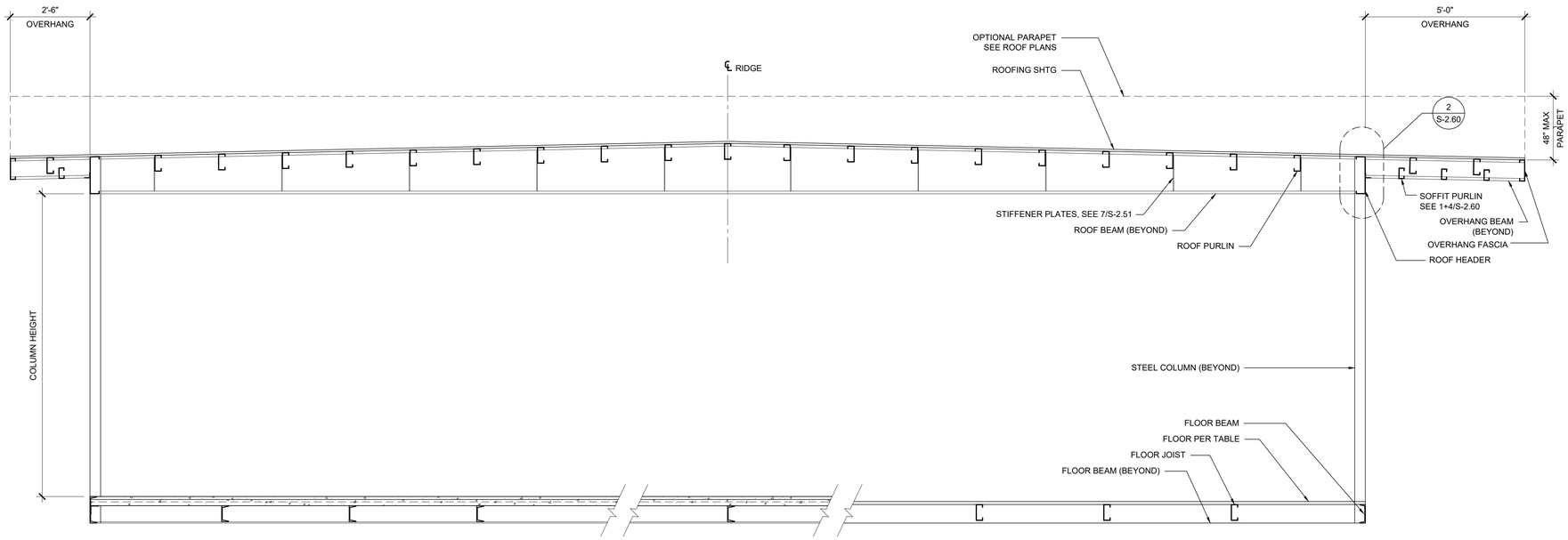
REGISTERED PROFESSIONAL ENGINEER JOHN 'W STARLING' 24575 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

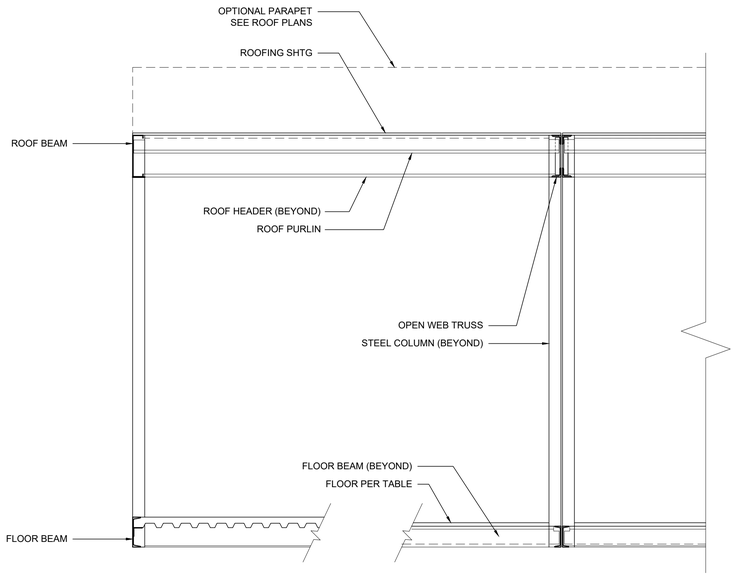
P.C. SHEET NUMBER

S-2.90



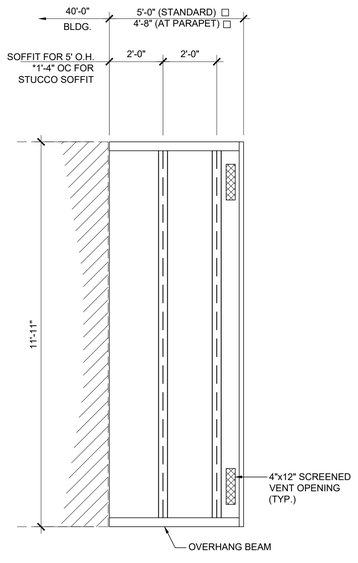
BUILDING SECTION

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



BUILDING SECTION

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



ENCL. SOFFIT PLAN-OPT.

SCALE: 3/8" = 1'-0" | 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

- [x] WOOD FLOOR
- [ ] CONCRETE FLOOR

HSS COLUMN SCHEDULE

COLUMN HEIGHT	NO PARAPET	ROOF W/ PARAPET
☐ 9'-0"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★
☑ 9'-6"	☑ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★
☐ 10'-0"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★
☐ 10'-6"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★

FLOOR BEAM

C7x9.8 (TYP) PERIMETER BEAM FOR WOOD FLOOR
★ C9x13.4 PERIMETER BEAM FOR WOOD FLOOR
C10x15.3 TYP. PERIMETER BEAM FOR CONCRETE FLOOR

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

BUILDING SECTIONS
DUAL SLOPE

REVISIONS

1.
2.
3.
4.
5.

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

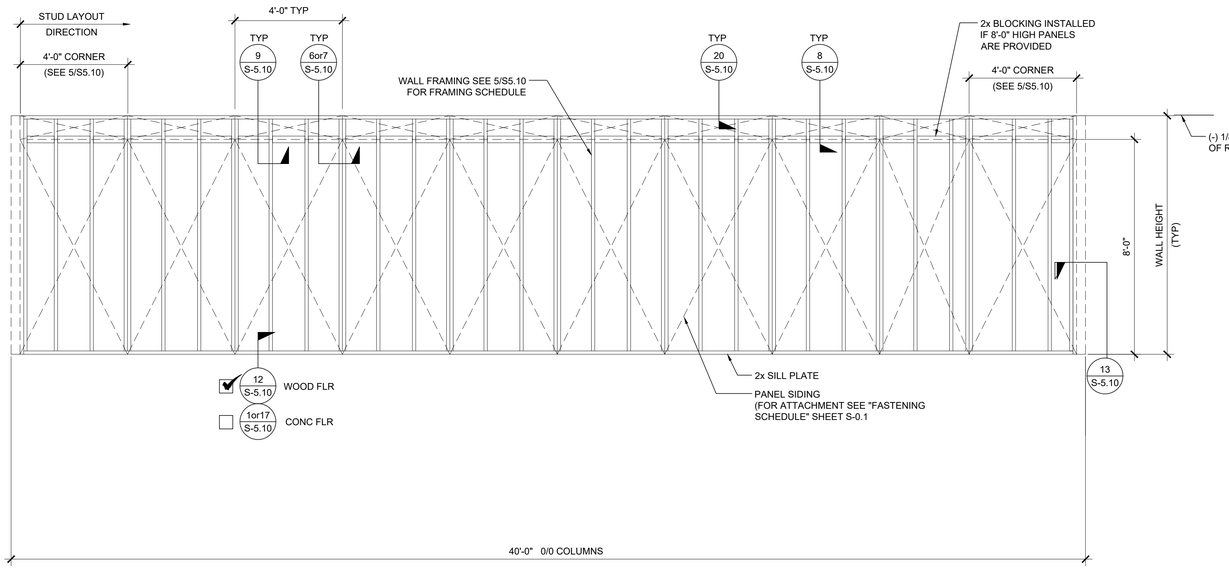
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
24175
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

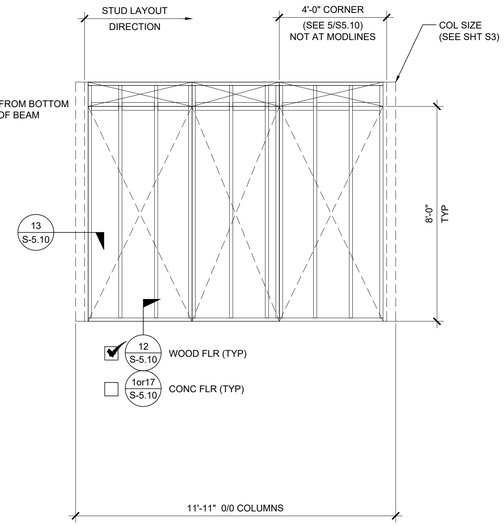
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

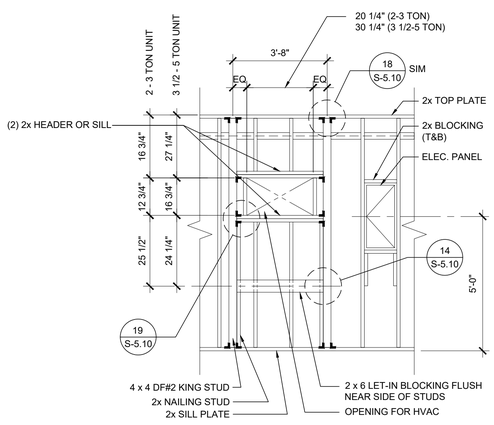
S-3.02



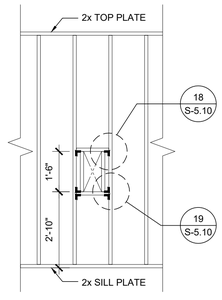
TYPICAL SIDE WALL



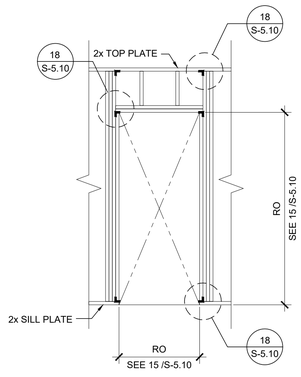
TYPICAL END WALL



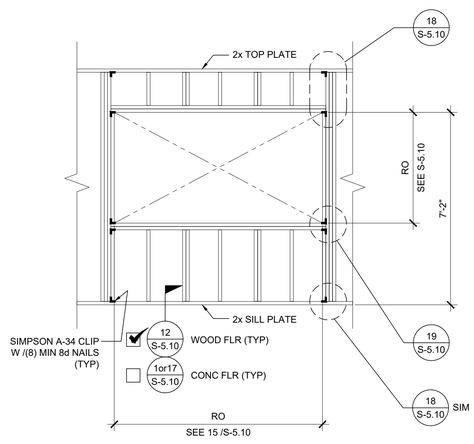
TYPICAL HVAC



FIRE EXTINGUISHER CABINET BLOCKOUT



TYPICAL DOOR



TYPICAL WINDOW

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"	9'-6"	10'-0"	10'-6"
☐ CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
☑ WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

NOTE:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (MIN).
EXCEPTION: UNCONDITIONED RESTROOM MODULES MAY UTILIZE 2x4 FRAMING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

WALL FRAMING ELEVATIONS
WOOD STUDS

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

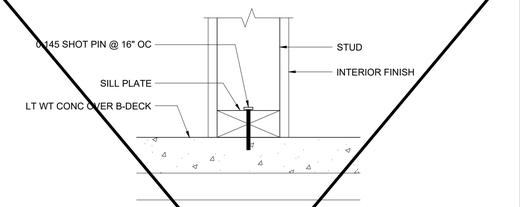
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24175 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

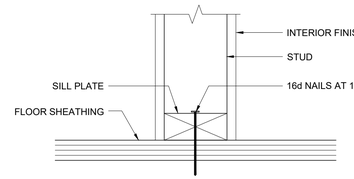
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

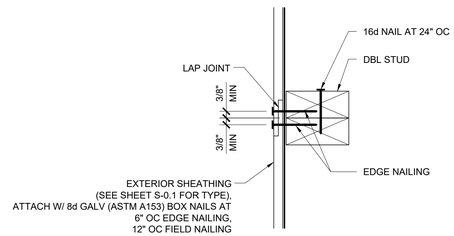
S-5.00



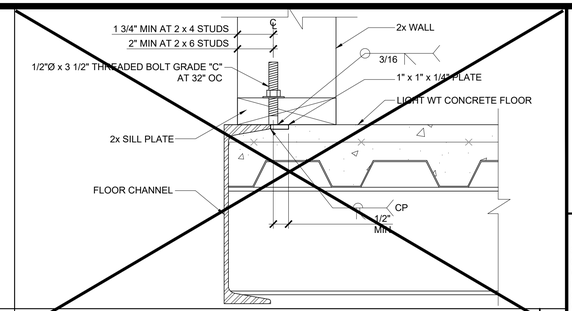
PARTITION CONNECTION AT CONC FLOOR SCALE : 3"=1'-0" 16



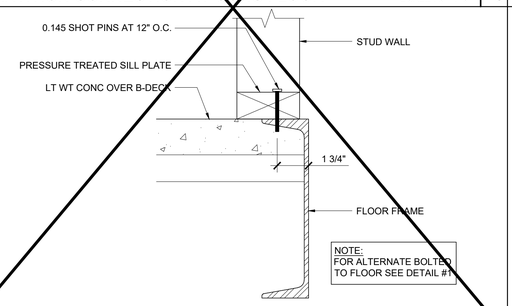
PARTITION CONNECTION AT WOOD FLOOR SCALE : 3"=1'-0" 11



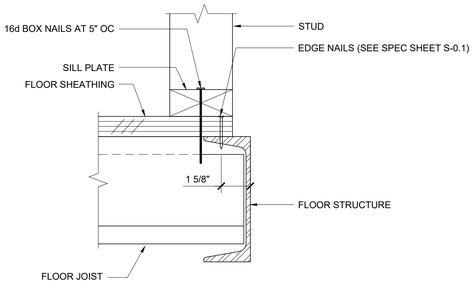
VERTICAL SHEATHING LAP JOINT SCALE : 3"=1'-0" 6



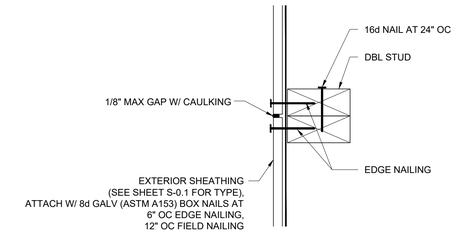
OPTIONAL BOLTED WALL TO FLOOR SCALE : NTS 1



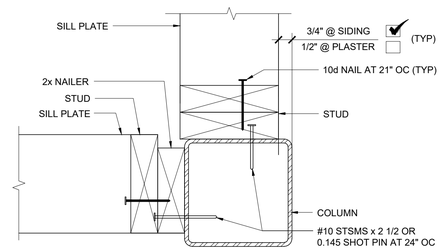
WALL SILL AT CONCRETE FLOOR SCALE : 3"=1'-0" 17



WALL SILL AT WOOD FLOOR SCALE : 3"=1'-0" 12



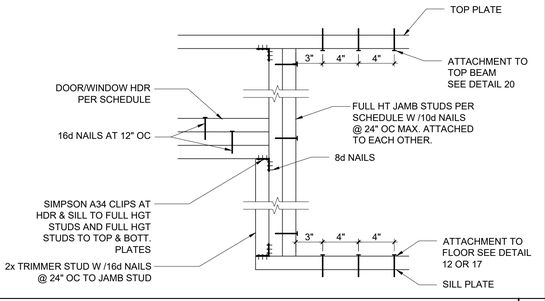
VERTICAL SHEATHING BUTT JOINT SCALE : 3"=1'-0" 7



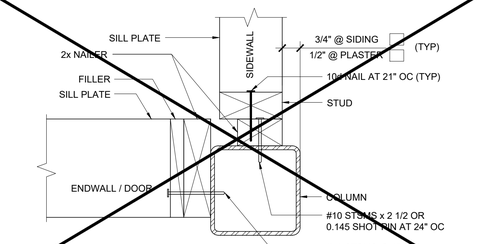
COLUMN AT ENDWALL (2x6) SCALE : 3"=1'-0" 2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
		PLASTER	(2	2X4	DF	#2		N/A			(3)	2X4	DF	#2
COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2

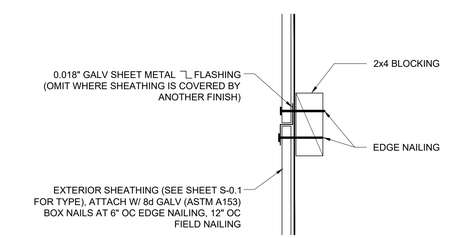
NOTE:
OPENINGS LARGER THAN 3'x7' ARE NOT PERMITTED IN 2x4 WALLS WITH PLASTER FINISH.



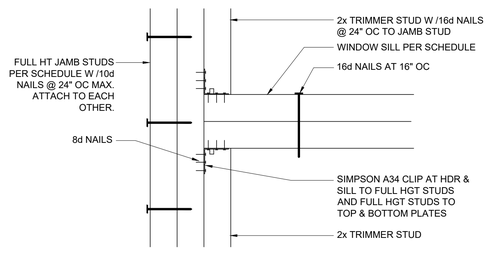
DOOR/WINDOW HEADER AND JAMB SCALE : 1 1/2"=1'-0" 18



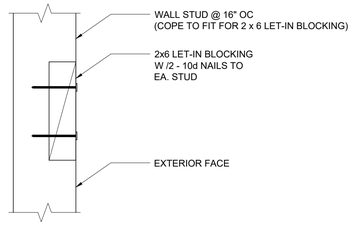
COLUMN AT ENDWALL (2x4) SCALE : 3"=1'-0" 13



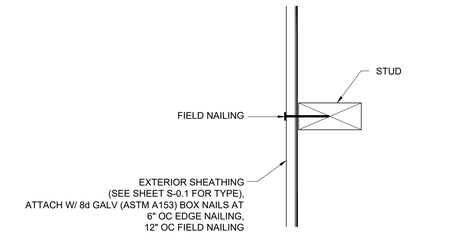
HORIZONTAL SHEATHING JOINT SCALE : 3"=1'-0" 8



WINDOW SILL AND JAMB SCALE : 3"=1'-0" 19



LET-IN BLOCK ATTACHMENT SCALE : 3"=1'-0" 14

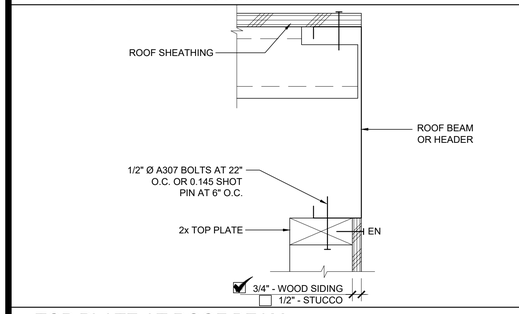


SECTION AT SHEATHING TO STUD ATTACHMENT SCALE : 3"=1'-0" 9

2x4 OPENING STUDS SCHEDULE 4

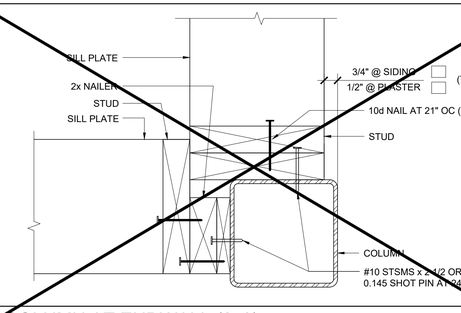
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4" CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC
	PLASTER	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	10" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	12" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC

NOTES:
1. 2X4 WALL FRAMING NOT PERMITTED FOR STUCCO FINISH WALLS OVER 9'-0" TALL
2. 2X4 EXTERIOR WALL FRAMING IS ONLY PERMITTED AT UNCONDITIONED RESTROOM MODULES
3. 2X4 INTERIOR WALLS SHALL BE HF #2 (OR BETTER) AND SHALL BE SPACED NOT MORE THAN 24" OC MAX



TOP PLATE AT ROOF BEAM SCALE : 3" = 1'-0" 20

NOT USED 15



COLUMN AT ENDWALL (2x8) SCALE : 3"=1'-0" 10

2x4 WALL FRAMING SCHEDULE 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

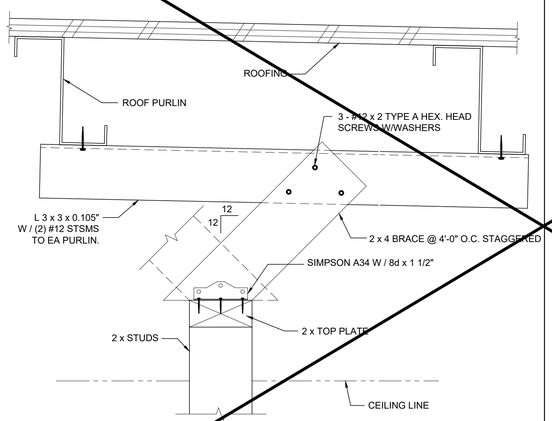
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARK
2025
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

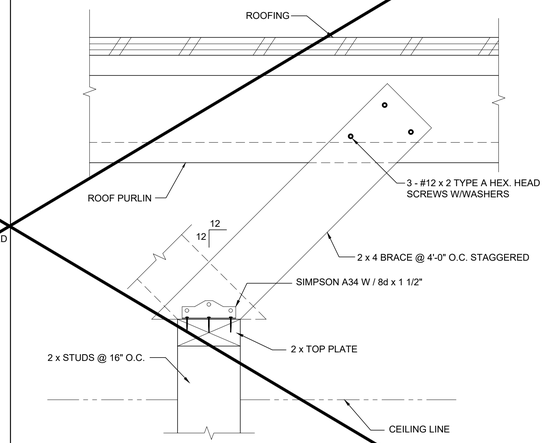
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

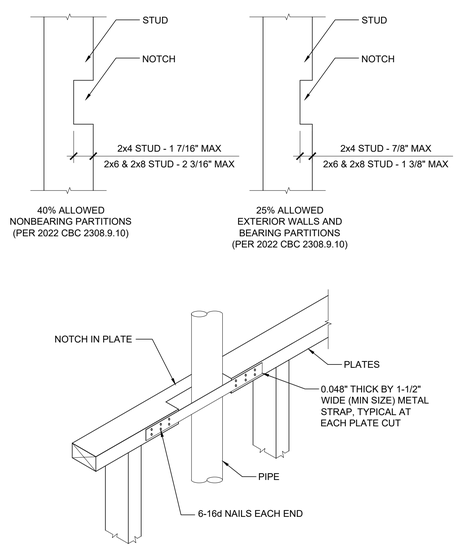
S-5.10



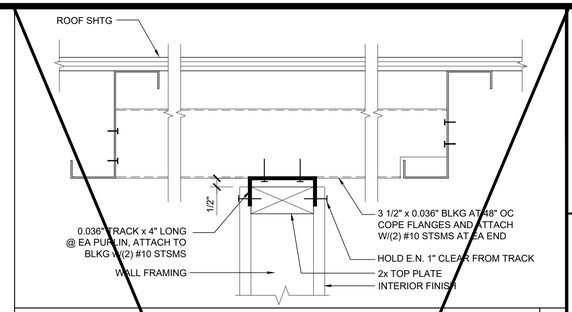
INTERIOR PARTITION SCALE : 3" = 1'-0" 14



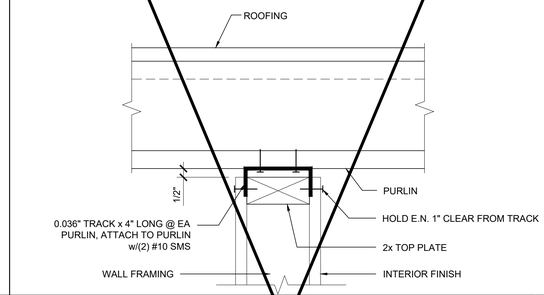
INTERIOR PARTITION SCALE : 3" = 1'-0" 12



CUTTING AND NOTCHING SCALE : 1 1/2" = 1'-0" 7



FULL HEIGHT INTERIOR PARTITION SCALE : 3" = 1'-0" 1



FULL HEIGHT INTERIOR PARTITION SCALE : 3" = 1'-0" 2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	ANY	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	4070	ANY	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	6040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2

2x6 OPENING STUDS SCHEDULE 19

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

2x8 OPENING STUDS SCHEDULE 14

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4" CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

NOTE:
1. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

2x6 WALL FRAMING SCHEDULE 20

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4" CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

NOTES:
1. EXTERIOR STUD SPACING SHOWN IN THE TABLE ABOVE IS TYPICAL, HOWEVER, 2x8 STUDS (HF #2 OR BETTER) MAY BE SPACED AT NOT MORE THAN 24" OC.
2. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

2x8 WALL FRAMING SCHEDULE 15

BORED HOLES SCALE : 1 1/2" = 1'-0" 8

NOT USED 9

NOT USED 10

INTERIOR PARTITION WALL TO ROOF BEAM SCALE : 3"=1'-0" 3

INTERIOR PARTITION WALL TO ROOF TRUSS SCALE : 3"=1'-0" 4

NOT USED 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS

REVISIONS
1
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3
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5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24776 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

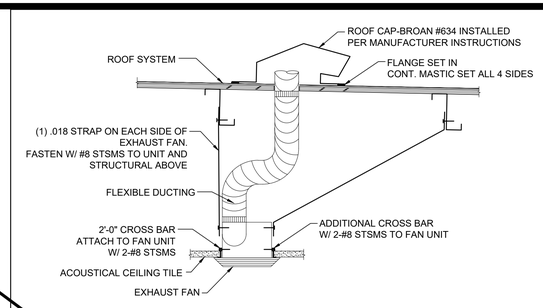
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

S-5.11

LEGEND

SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
UC	UC	UNDERCUT DOOR
T	STAT	THERMOSTAT
BT	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION
CO		CO^2 SENSOR



EXHAUST FAN INSTALLATION

SCALE : 1"=1'-0"

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 SUPOORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.C

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 TRAVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

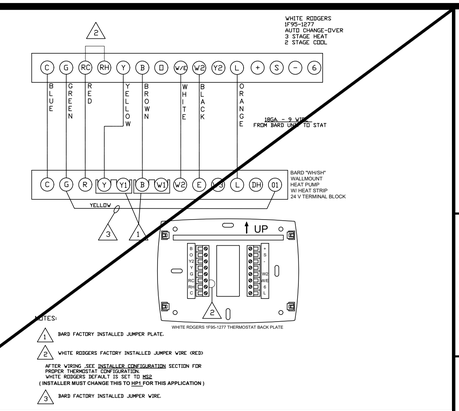
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION QUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF THE DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP☐MD☒PP☐E☐OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐MD☐PP☐E☐OPTION 2: SHALL COMPLY WITH HCAI PREAPPROVAL (OPM #) #----------.



UNIT TO THERMOSTAT WIRING

SCALE: NONE — A

CEILING MOUNTED EXHAUST FAN SCHEDULE

SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL VOLTS	Ø	ELECTRICAL POWER	WGT.	REMARKS
EF 1	CEILING	TOILET EXHAUST	BROAN *	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN *	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN *	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

* OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR SUPPLY 16X16-4W	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw
	8"Ø	150 - 230	For lay-in T-bar ceilings use Harth & Cooley SD-9419 . (Sizes as shown on Mech Plan)
	10"Ø	230 - 350	
	12"Ø	350 - 460	
	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)

ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR RETURN	6"Ø	0 - 230	Perforated face
	10"Ø	230 - 460	For lay-in T-bar ceilings use Shoemaker 105P with 24 ga., 45 deg. angle. (Sizes as shown on Mech Plan.)
	14"Ø	460 - 710	

TABLE 140.4-E AIR ECONOMIZER HIGH LIMIT SHUT OFF CONTROL REQUIREMENTS

Device Type[a]	Climate Zones	Required High Limit (Economizer Off When): Equation[b]	Description
Fixed Dry Bulb	1, 3, 5, 11-16	$T_{OA} > 75°F$	Outdoor air temperature exceeds 75°F
	2, 4, 10	$T_{OA} > 73°F$	Outdoor air temperature exceeds 73°F
	6, 8, 9	$T_{OA} > 71°F$	Outdoor air temperature exceeds 71°F
	7	$T_{OA} > 69°F$	Outdoor air temperature exceeds 69°F
Differential Dry Bulb	1, 3, 5, 11-16	$T_{OA} > T_{RA}°F$	Outdoor air temperature exceeds return air temperature
	2, 4, 10	$T_{OA} > T_{RA}-2°F$	Outdoor air temperature exceeds return air temperature minus 2°F
	6, 9	$T_{OA} > T_{RA}-4°F$	Outdoor air temperature exceeds return air temperature minus 4°F
	7	$T_{OA} > T_{RA}-6°F$	Outdoor air temperature exceeds return air temperature minus 6°F
Fixed Enthalpy + Fixed Dry Bulb	All	$h_{OA} > 28$ Btu/lb or $T_{OA} > 75°F$	Outdoor air enthalpy exceeds 28 Btu/lb of dry air[c] or Outdoor air temperature exceeds 75°F

[a] Only the high limit control devices listed are allowed to be used and at the setpoints listed. Others such as Dew Point, Fixed Enthalpy, Electronic Enthalpy, and Differential Enthalpy Controls, may not be used in any Climate Zone for compliance with Section 140.4(e)1 unless approval for use is provided by the Energy Commission Executive Director.

[b] Devices with selectable (rather than adjustable) setpoints shall be capable of being set to within 2°F and 2 Btu/lb of the setpoint listed.

[c] At altitudes substantially different than sea level, the Fixed Enthalpy limit value shall be set to the enthalpy value at 75°F and 50% relative humidity. As an example, at approximately 6,000 foot elevation, the fixed enthalpy limit is approximately 30.7 Btu/lb.

Heat Pump Sequence of Operations

Description:
Constant Volume Unit, DX cooling and heating, and outside air economizer.

General:
Each unit shall be directly controlled and monitored by a programmable logic Thermostat Controller.

1. **Required Algorithms and Schedules:**
   Time Schedule
   Setpoint Schedule (temperature)
2. **Occupancy Status:**
   The occupancy status is determined by an occupancy sensor.
3. **Demand Control Ventilation:**
   The indoor CO2 concentration is monitored with a sensor in each room.

Sequence of Operation during Occupied Hours:

1. **Supply Fan Control Mode:**
   The supply fan will operate:
   A. During scheduled hours.
   B. When occupancy is detected.
2. **Economizer Control Mode:**
   The outside air damper will be wired through an interposing relay and interlocked to the supply fan. When the supply fan is operating, the economizer damper will be set to the default position except where:
   A. The demand control ventilation system determines that the CO2 concentrations can reduce the outside air rate.
   B. During cooling mode when the outside air temperature sensor indicates that the damper position may be adjusted to increase the outside air rate.
3. **Operating Mode:**
   The thermostat shall be programmed to Auto Mode. When Auto Mode is active, the thermostat algorithm will automatically select either a heating or cooling mode based on the present space temperature value.
4. **Heating Mode:** The heating stages will be energized when the fan is running, the operating mode is auto, and the space temperature is below the occupied heating setpoint. The heating stages will be de-energized as the space temperature achieves the heating setpoint.
5. **Cooling Mode:** The cooling stages will be energized when the fan is running, the operating mode is auto, and the space temperature is above the occupied cooling setpoint. The cooling stages will be de-energized as the space temperature achieves the cooling setpoint.

Sequence of Operation during Unoccupied Hours:

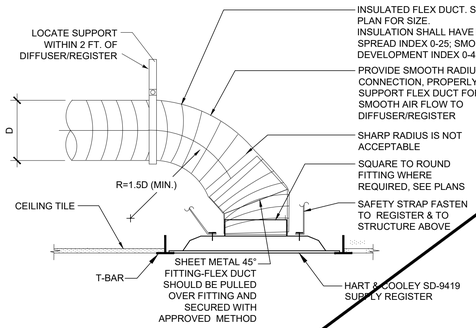
1. **Supply Fan:**
   The fan will be cycled on if the space temperature is outside the heating and cooling unoccupied set points.
2. **Economizer Control:**
   The outside air damper will be wired through an interposing relay and interlocked to the supply fan. When the supply fan is on, the dampers are forced to the minimum position. When the supply fan is off, the damper will close.
3. **Pre-Occupancy Purge**
   In the hour prior to scheduled normal occupancy the supply fan shall operate for a duration sufficient in length to provide not less than 3 complete air changes.

DUCT NOTES:

1. ALL DUCTING SHALL BE INSULATED WITH MIN OF R-4.2.
2. DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
3. HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4 FT INTERVALS, WITH HANGING STRAPS A MINIMUM 1 1/2" WIDE.
4. DUCTS MUST BE PULLED TIGHT WITH A MAXIMUM SAG OF 1/2" PER FOOT OF HORIZONTAL RUN.
5. DUCT SHALL NOT BE KINKED OR CRUSHED.
6. BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.

GENERAL NOTES:

1. THERMOSTAT SHALL BE PROGRAMMED WITH EXPECTED OCCUPIED TIMES.
2. AIR HANDLER FAN WILL BE PROGRAMMED TO RUN DURING ALL OCCUPIED TIMES.
3. PRE-OCCUPANCY PURGE SHALL BE PROGRAMMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED PER ENERGY CODE 120.1(D)1.
4. ECONOMIZERS SHALL BE PROGRAMMED FOR HIGH LIMIT SHUT OFF PER TABLE 140.4-E.
5. THE OUTDOOR AIR C02 CONCENTRATION SHALL BE ASSUMED TO BE 400 ppm.

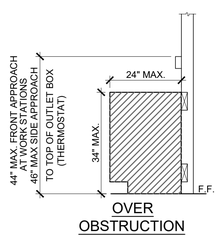


T-BAR SUPPLY REGISTER AND SIDE OUTLET BOX DETAIL

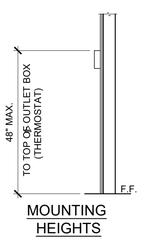
N.T.S.

SUPPLY CEILING DIFFUSER MOUNTING

SCALE: NONE — D

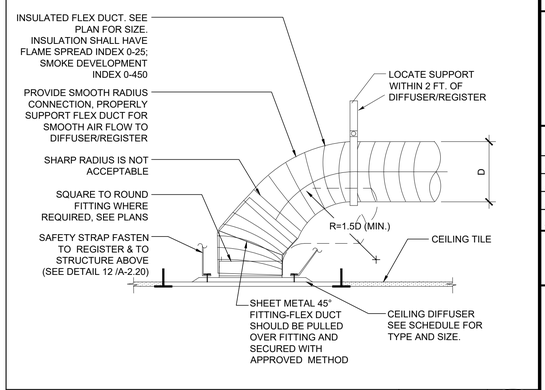


OVER OBSTRUCTION



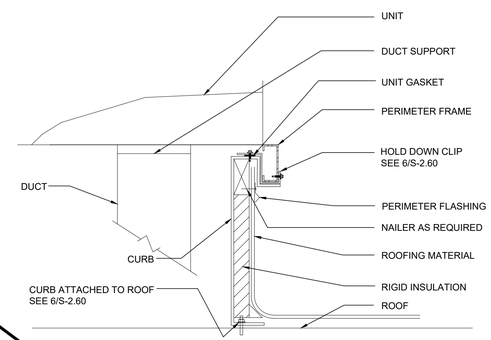
MOUNTING HEIGHTS

△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION



RETURN CEILING DIFFUSER MOUNTING

SCALE: NONE — B



A/C UNIT MOUNTING

SCALE: NONE — C

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

MECHANICAL NOTES, SCHEDULES, & DETAILS

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

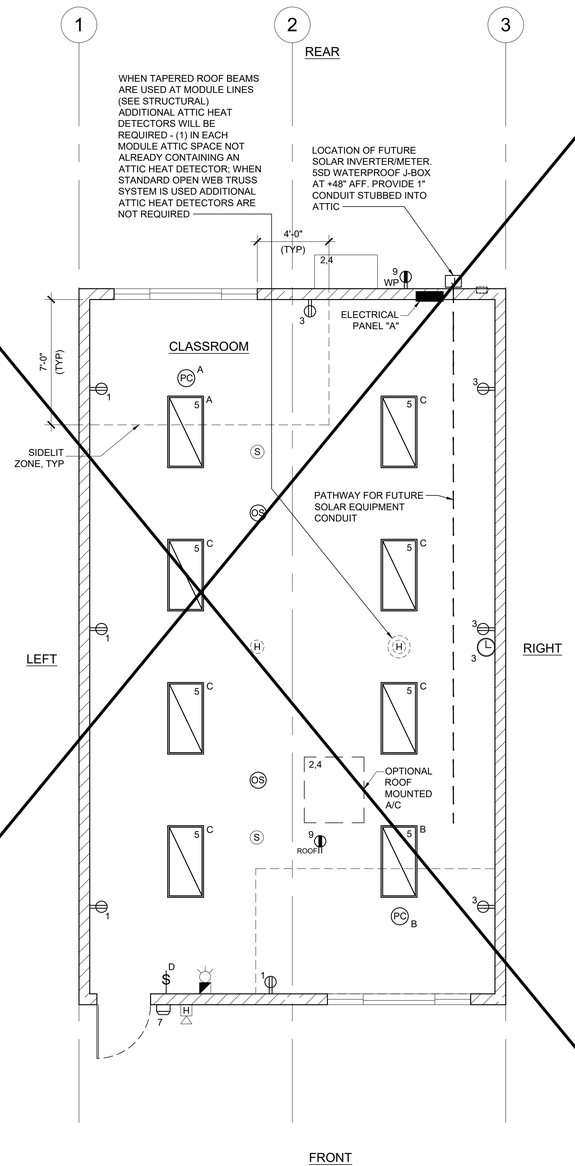
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24975 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES	24' x 40' PC
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

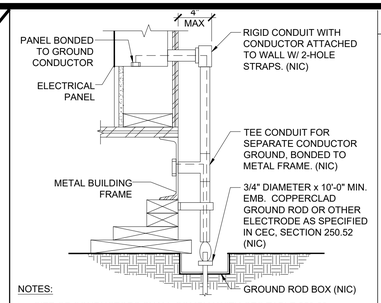
P.C. SHEET NUMBER

M-0.1



ELECTRICAL PLAN

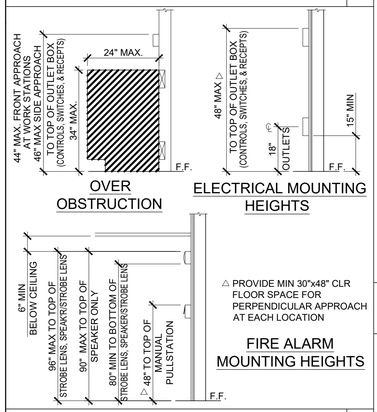
SCALE: 1/4" = 1'-0" | 4



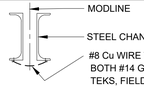
NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

TYPICAL GROUNDING DETAIL | 1



ACCESSIBLE HEIGHTS | 2



GROUND JUMPER AT MODLINE | 3

GROUND JUMPER AT MODLINE

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 SECTION 10.6.5.2

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 OR MOVABLE 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 CONNECTORS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 & 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPA FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP☐ MD☐ PP☐ E☑ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATIONS

THE LIGHTING CONTROL SYSTEM BASIS OF DESIGN SHALL BE THE LUTRON VIVE WIRELESS LIGHTING CONTROL SYSTEM.
THE SYSTEM SHALL BE CAPABLE OF PROVIDING MANUAL CONTROL, OCCUPANCY SENSING CONTROL AND DAYLIGHT HARVESTING CONTROL.

SEQUENCE:

OCCUPANT ENTERS:
ALL LIGHTS AUTOMATICALLY TURN ON TO 50% LIGHT LEVEL. OCCUPANT MAY INCREASE LIGHTS TO MAXIMUM LEVEL MANUALLY WITH WALL CONTROL.
WHEN OCCUPIED:
LIGHTING IN DAYLIT ZONES AUTOMATICALLY DIM/BRIGHTEN BASED ON DAYLIGHT AVAILABILITY.
OCCUPANT MAY MANUALLY DIM/BRIGHTEN THE LIGHTS WITH WALL CONTROL.
OCCUPANT EXITS:
ALL LIGHTS AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACANCY.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN)
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.N.O.)
- (OS) CEILING MOUNTED OCCUPANCY SENSOR
- (PC) CEILING MOUNTED PHOTOCELL
- (US) ULTRASONIC CEILING OCCUPANCY SENSOR. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- WS-1 SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF
- $D DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX
- $ LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- $3 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- $K KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- WP EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24 " AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GFI GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EM EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- (L) CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- (H) 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W / COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING
- (S) 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- (H) 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- (WH) 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN) EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
- WALL MOUNTED LIGHT FIXTURE, 30 WATTS
- 4SD J-BOX FOR FUTURE DATA W/ SINGLE GANG RING W/ 1" CO STUB INTO ATTIC AND PULL STRING
- FS DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER FLOW SWITCH.
- TS DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER TAMPER SWITCH.
- (B) DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER BELL.

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: WALL MOUNTED HVAC | FEED: REAR
MAIN: 100 A | LOCATION: INTERIOR ACCESS | MOUNTING: FLUSH

LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES	4	720		20	1	1	●		2	60	2	4830		1	HVAC - WALL MOUNT
RECEPTACLES/CLOCK	5		900	20	1	3		●	4	-	-		4830		-
INTERIOR LIGHTING	8	960		20	1	5	●		6						
EXTERIOR LIGHTING	1		40	20	1	7		●	8						
WALL RECEPTACLE (GFI)	1	180		20	1	9	●		10						
DED - SOLAR READY						11		●	12	20	1		40		FIRE ALARM CONTROL PANEL (FIRE ALARM NOTE #2)
DED - SOLAR READY						13	●		14						
A = 6690 WATTS / PHASE		1860	940									4830	4870		B = 5810 WATTS / PHASE
TOTAL = 12,500 WATTS		61 AMPS		120/208 VOLTS		1 Ø						3 WIRE			

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "A" ROOF MOUNTED HVAC | FEED: REAR
MAIN: 100 A | LOCATION: INTERIOR ACCESS | MOUNTING: RECESSED

LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES	4	720		20	1	1	●		2	60	2	4542		1	HVAC - ROOF MOUNT
RECEPTACLES/CLOCK	5		900	20	1	3		●	4	-	-		4542		-
INTERIOR LIGHTING	8	960		20	1	5	●		6						
EXTERIOR LIGHTING	1		40	20	1	7		●	8						
ROOF RECEPTACLE (GFI)	1	180		20	1	9	●		10						
DED - SOLAR READY						11		●	12	20	1		40		FIRE ALARM CONTROL PANEL (FIRE ALARM NOTE #2)
DED - SOLAR READY						13	●		14						
A = 6402 WATTS / PHASE		1860	940									4542	4582		B = 5522 WATTS / PHASE
TOTAL = 11,924 WATTS		57 AMPS		120/208 VOLTS		1 Ø						3 WIRE			

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DIV. OF THE STATE ARCHITECT
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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

ELECTRICAL PLAN AND SCHEDULE 24' x 40'

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

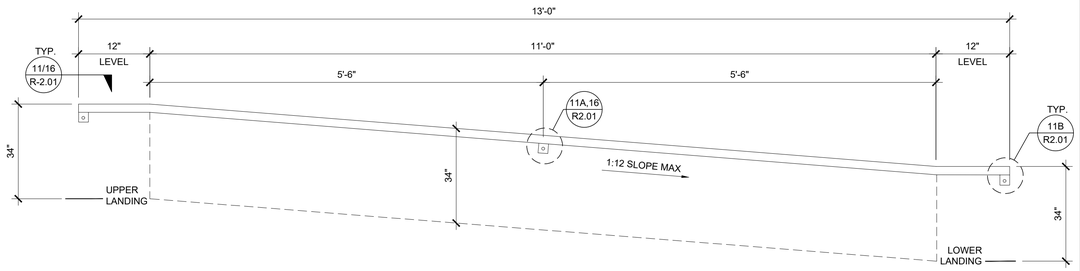
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24775 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

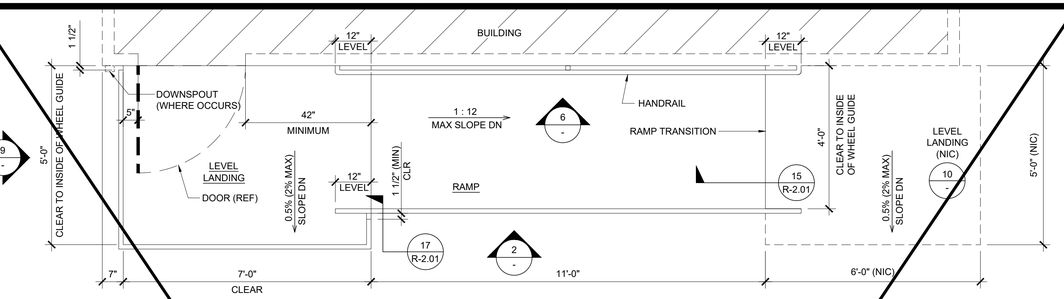
P.C. SHEET NUMBER

E-1.01



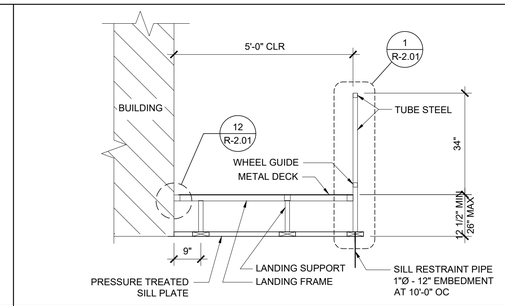
HANDRAIL ATTACHMENT TO BUILDING

SCALE : 1" = 1'-0" | 6



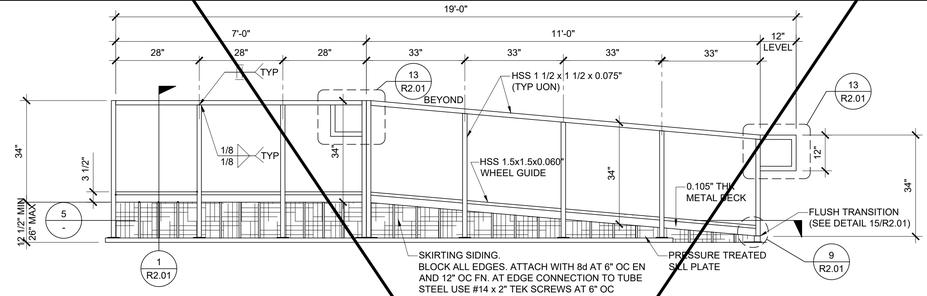
RAMP AND LANDING AT BUILDING

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



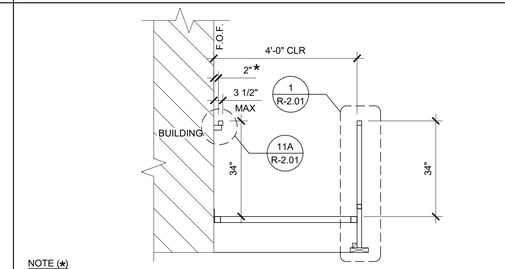
SECTION AT LANDING

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



RAMP AND LANDING ELEVATION

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

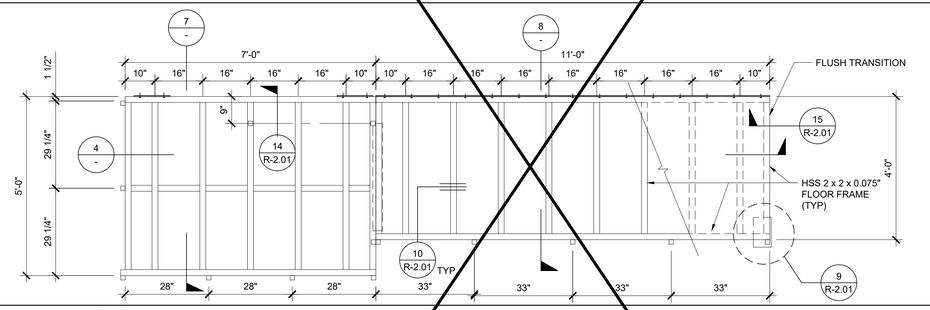


NOTE (*)

1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8 WALL TO BE SMOOTH AND TO EXTEND 18" ABOVE HANDRAIL

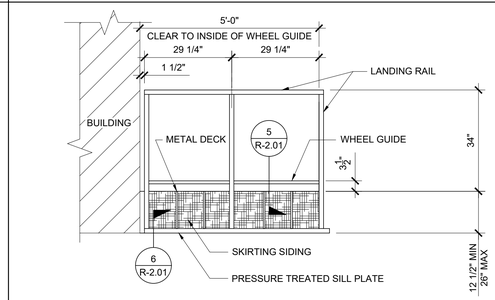
SECTION AT RAMP

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



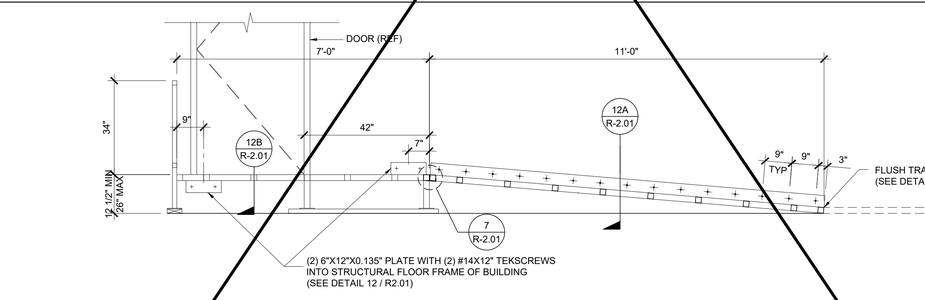
RAMP FRAMING PLAN

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



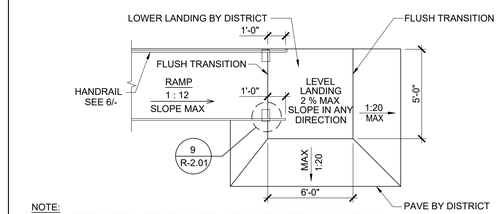
LANDING ELEVATION

SCALE : 1/2" = 1'-0" | 9



SECTION AT RAMP AND LANDING

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

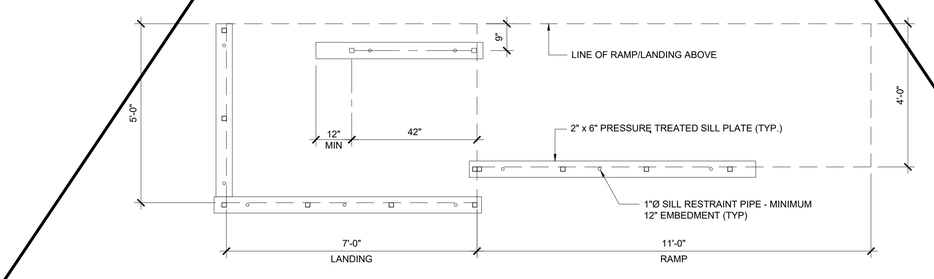


NOTE:

1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT.
   (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

RAMP TRANSITION

SCALE: NTS | 10



SILL PLAN FOR RAMP AND LANDING

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

RAMP LANDING

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

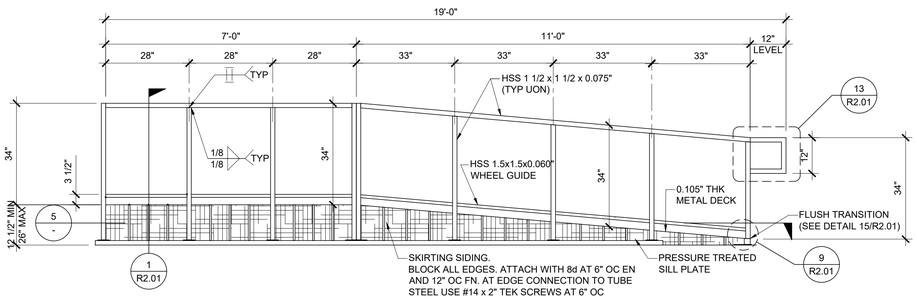
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLIN
24775
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES	24' x 40' PC
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

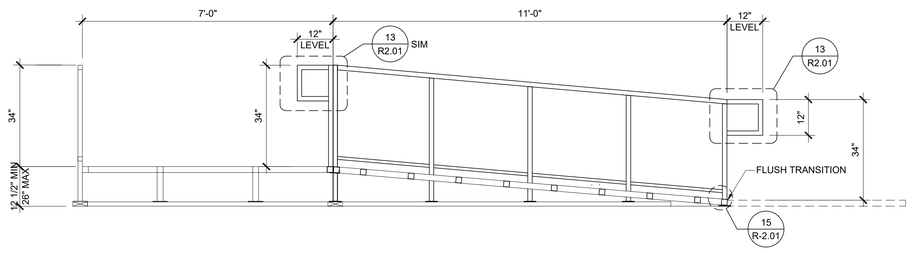
P.C. SHEET NUMBER

R-1.01



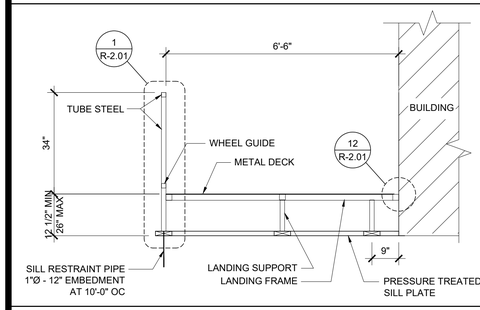
RAMP AND LANDING ELEVATION

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



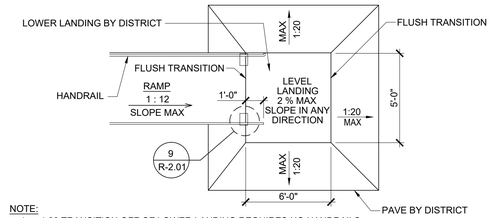
SECTION AT RAMP AND LANDING

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



SECTION AT LANDING

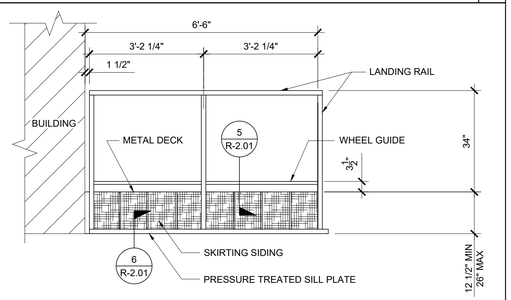
SCALE : 1/2" = 1'-0" | 9



NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT.
(THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

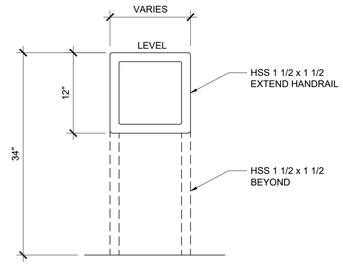
RAMP TRANSITION

SCALE: NTS | 10



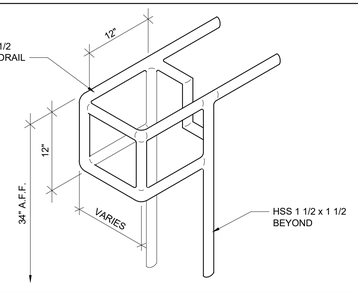
LANDING ELEVATION

SCALE : 1/2" = 1'-0" | 6



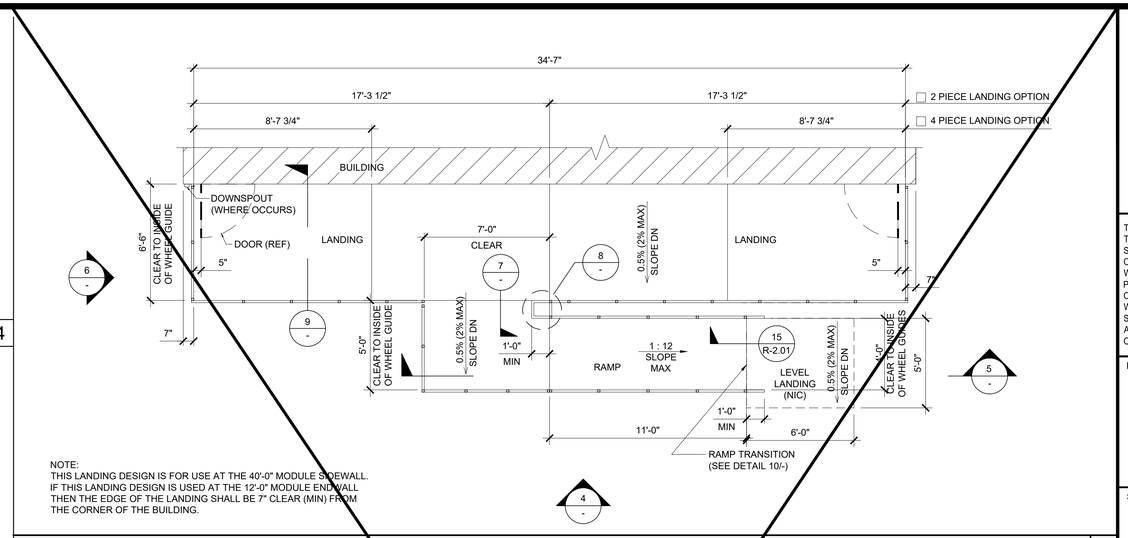
RETURN EXTEND HANDRAIL ELEVATION

SCALE : 1" = 1'-0" | 7



RETURN EXTEND HANDRAIL ISOMETRIC

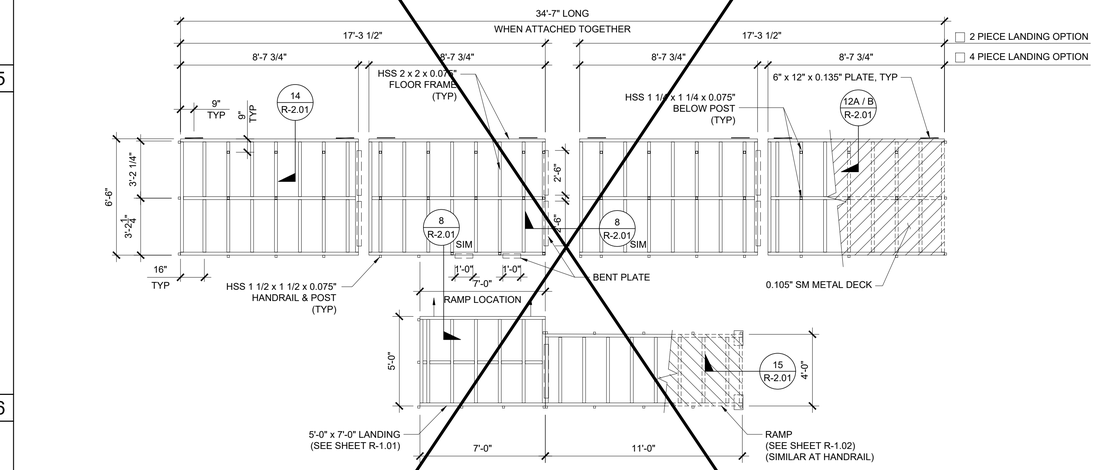
SCALE : NTS | 8



NOTE:
THIS LANDING DESIGN IS FOR USE AT THE 40'-0" MODULE SIDEWALL. IF THIS LANDING DESIGN IS USED AT THE 12'-0" MODULE END WALL THEN THE EDGE OF THE LANDING SHALL BE 7" CLEAR (MIN) FROM THE CORNER OF THE BUILDING.

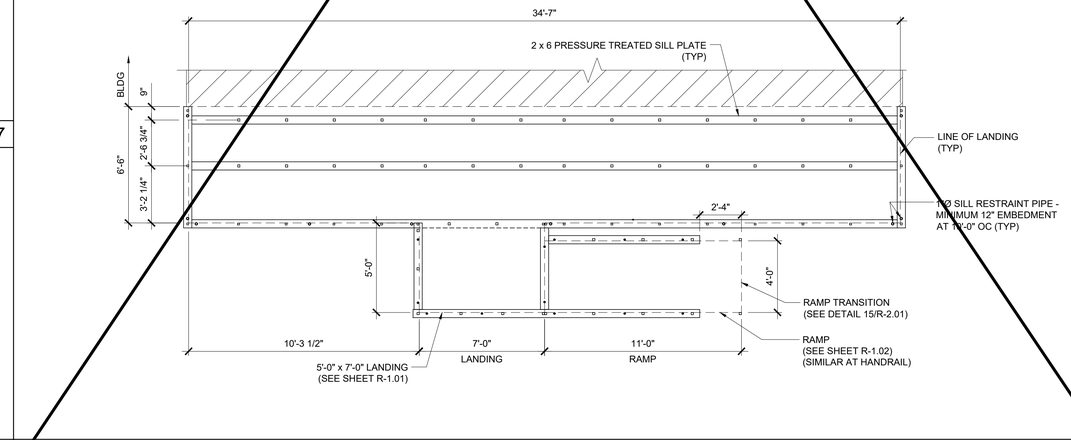
LANDING PLAN

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



LANDING FRAME

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



SILL PLAN FOR RAMP AND LANDING

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

RAMP LANDING

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

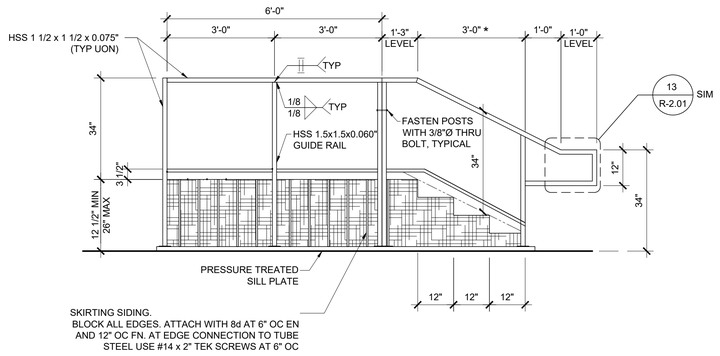
PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

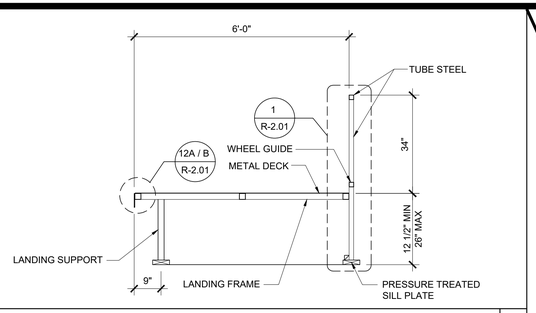
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24275 STRUCTURAL STATE OF CALIFORNIA

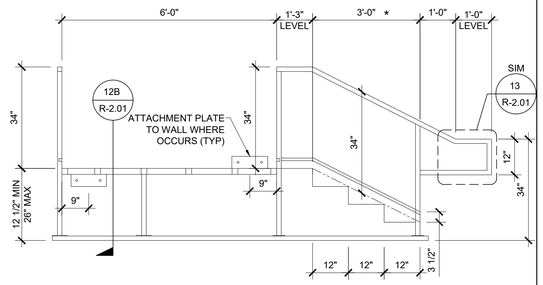
SILVER CREEK INDUSTRIES	24' x 40' PC
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023
P.C. SHEET NUMBER	R-1.03



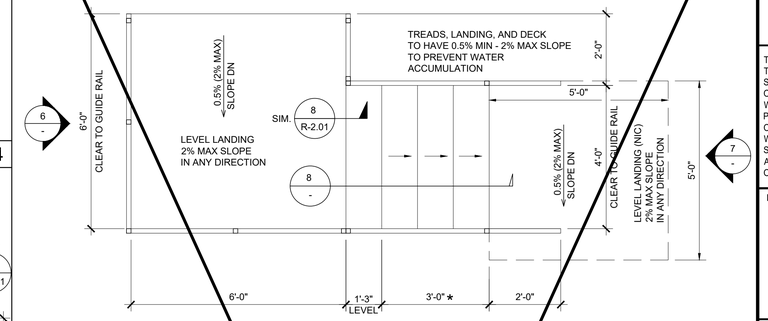
STEPS AND LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 9



SECTION AT LANDING — SCALE : 1/2" = 1'-0" — 4



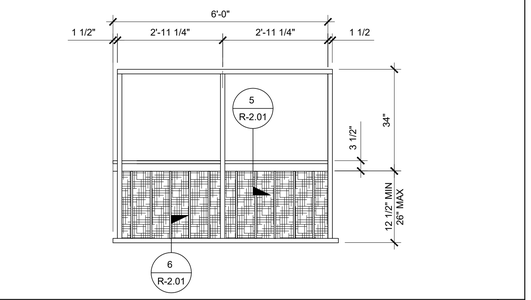
SECTION AT STEPS AND LANDING — SCALE : 1/2" = 1'-0" — 5



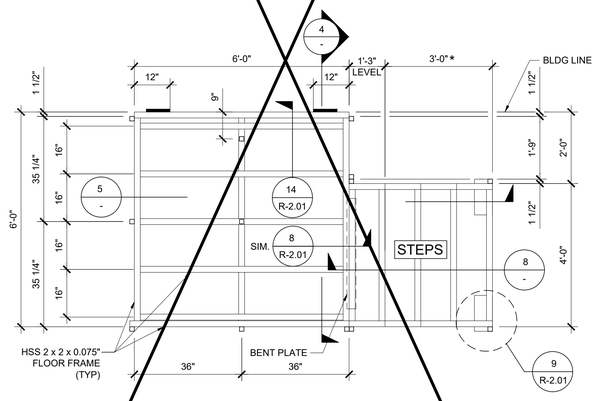
THIS LANDING - STAIR CONFIGURATION MAY ONLY BE USED AT BUILDINGS COMPLYING WITH ALL ACCESSIBLE MEANS OF EGRESS AND ALL ACCESSIBLE PATH OF TRAVEL

NOTE:
(*) NUMBER OF STEPS RISE DIMENSIONS WILL VARY. VERIFY WITH ARCHITECT BEFORE FABRICATION.

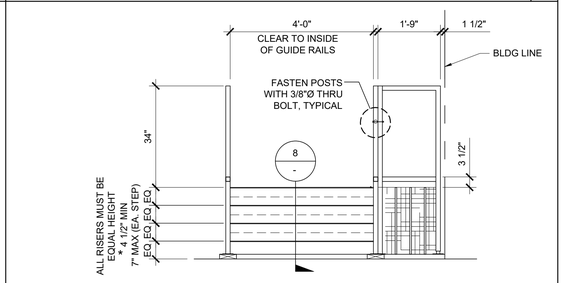
SCALE : 1/2" = 1'-0" — 1



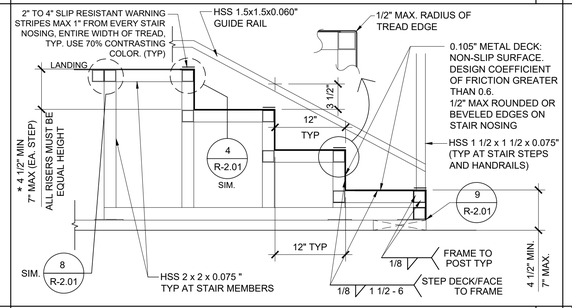
LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 6



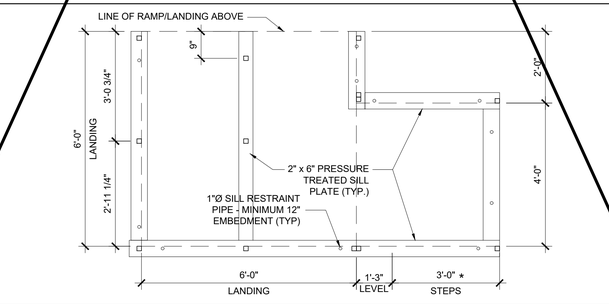
STEPS / LANDING FRAMING PLAN — SCALE : 1/2" = 1'-0" — 2



STEPS ELEVATION — 7



SECTION AT STEPS — 8



SILL PLAN FOR STEPS & LANDING — SCALE : 1/2" = 1'-0" — 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

STANDARD LANDING WITH STEPS

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

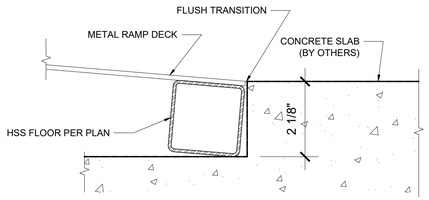
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 24775 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

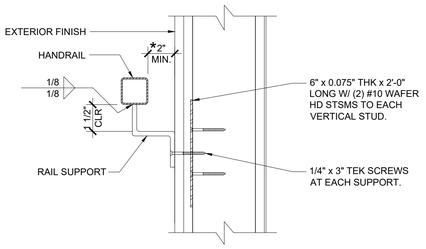
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

R-1.04

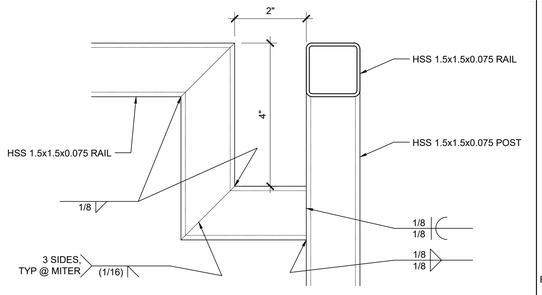


FLUSH TRANSITION AT BOTTOM OF RAMP SCALE : 6" = 1'-0" | 15

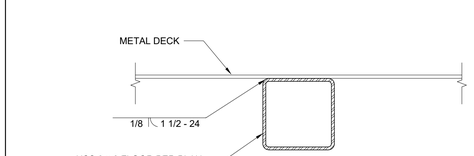


NOTE (★)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8 WALL TO BE SMOOTH AND TO EXTEND 18" ABOVE HANDRAIL

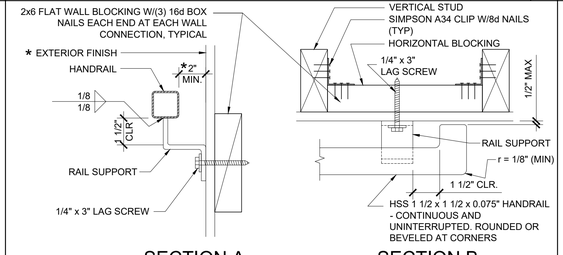
HANDRAIL CONNECTION AT SHEETMETAL BLKG SCALE : 3" = 1'-0" | 16



RAIL NOTCH AT HANDRAIL SCALE : 6" = 1'-0" | 17



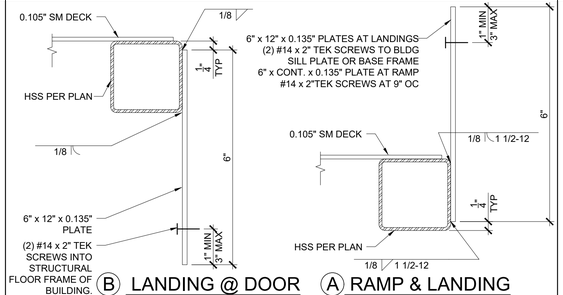
DECK TO FRAME SCALE : 6" = 1'-0" | 10



SECTION A SECTION B

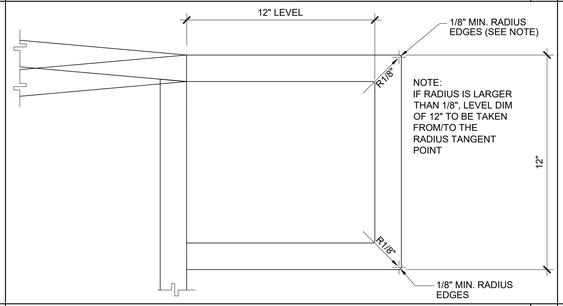
NOTE (★)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8 WALL TO BE SMOOTH AND TO EXTEND 18" ABOVE HANDRAIL

HANDRAIL CONNECTION AT WOOD BLOCKING SCALE : 3" = 1'-0" | 11

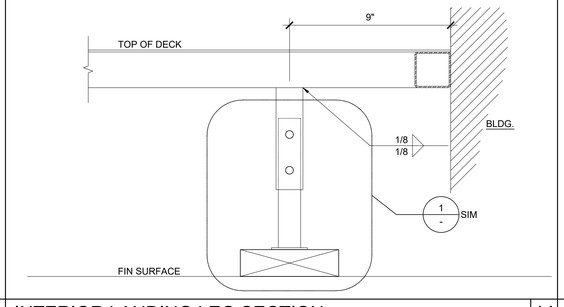


Ⓑ LANDING @ DOOR Ⓐ RAMP & LANDING

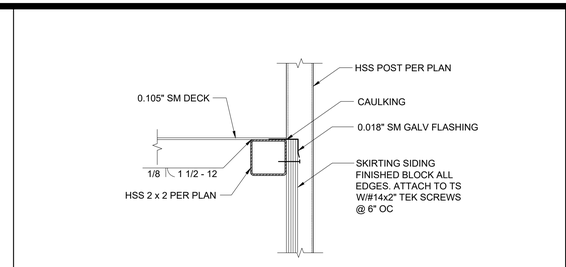
SECTION AT PLATE SCALE : 6" = 1'-0" | 12



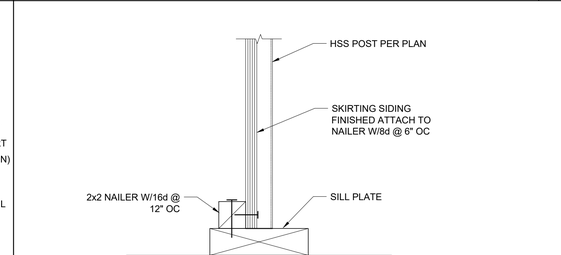
EXTEND HANDRAIL @ TOP OR BOTT. ENDS SCALE : 3" = 1'-0" | 13



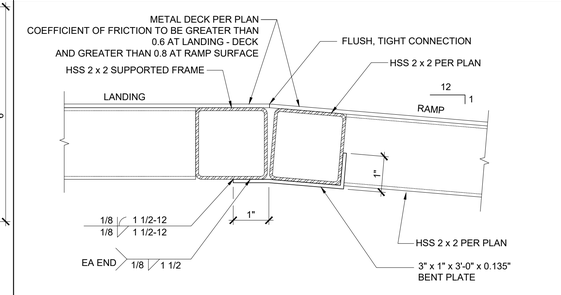
INTERIOR LANDING LEG SECTION SCALE : 3" = 1'-0" | 14



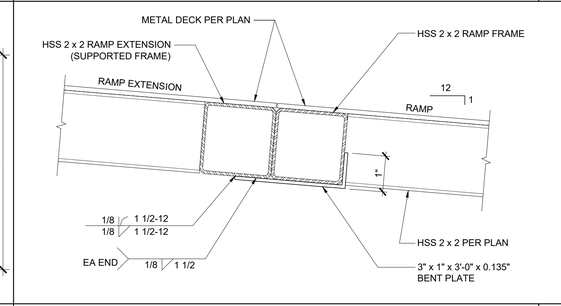
SKIRT FLASHING SCALE : 3" = 1'-0" | 5



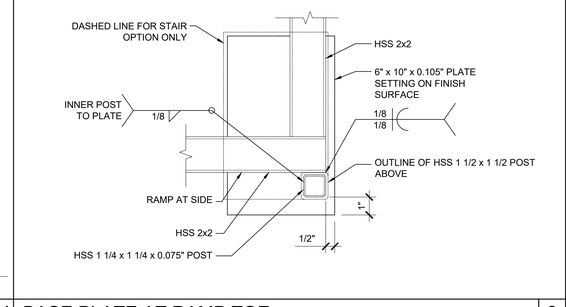
SKIRT FLASHING AT SILL PLATE SCALE : 3" = 1'-0" | 6



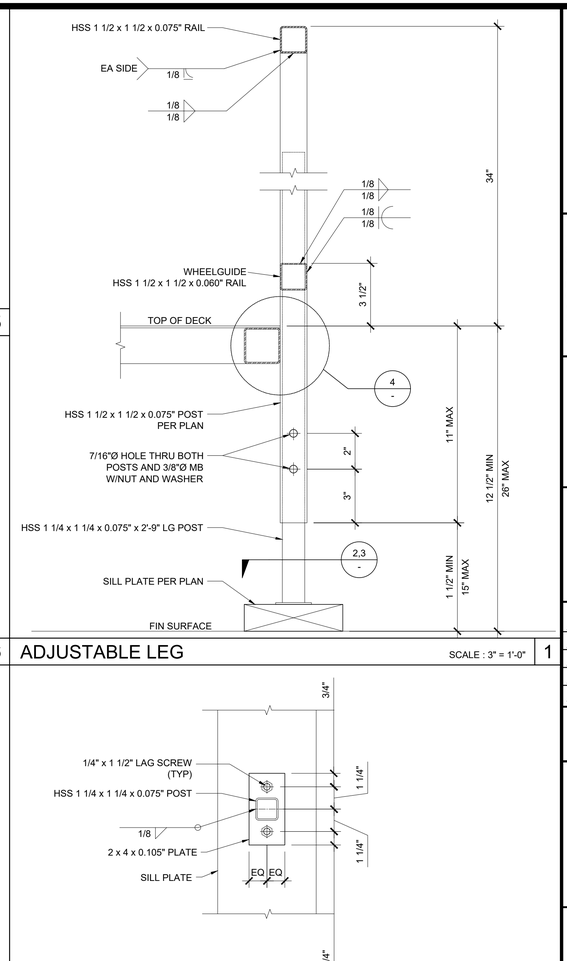
RAMP AT LANDING SCALE : 6" = 1'-0" | 7



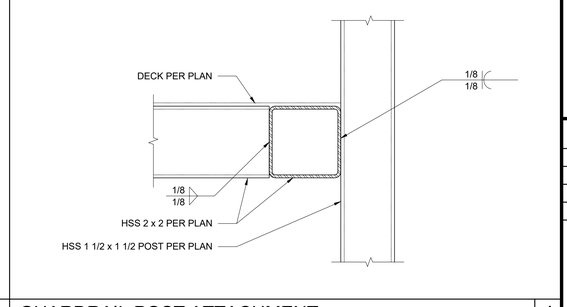
RAMP EXTENSION SCALE : 6" = 1'-0" | 8



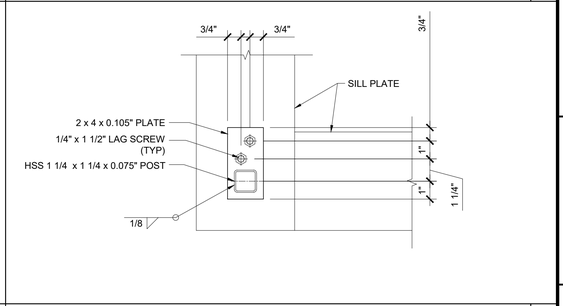
BASE PLATE AT RAMP TOE SCALE : 3" = 1'-0" | 9



ADJUSTABLE LEG SCALE : 3" = 1'-0" | 1



ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 2



ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 3

ADJUSTABLE LEG BASE PLATE SCALE : 6" = 1'-0" | 4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125745 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/03/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

PLEASANT VALLEY SD
VALLE LINDO ELEMENTARY
(1) 24' x 40' FB-26-15

SHEET TITLE:

RAMP DETAILS

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-121999 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLA 2975 STRUCTURAL STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES	24' x 40' PC
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

P.C. SHEET NUMBER

R-2.01