MODESTO       woodside DR       tulane DR.         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUMBLE ROAD       e RUMBLE ROAD       e RUMBLE ROAD         e RUME RUMAN	S (2) NI SYLV
<ul> <li>PEOSPECTIVE SUBCONTRACTOR SHALL SECURE ALL DATA AT THE SITE OF THE PROPOSED CONST SUCH AS GRADES OF LOT. CONVENIENCE OF RECEIVES AND SOMEWAIR TATERIALS. LOCATION OF THE DESIDENCE OF TO GRADES OF LOT. CONVENIENCE OF A DECEMPS ON TAKING THERE PROPOSALS OR ON THE DESIDENCE AND OTHER MORPHATCR UNICH ULL HAVE A BEARM ON TAKING THERE PROPOSALS OR ON THE DESIDENCE OF TO GRADE MADE ON THE INSORTATION PROPOSED DOTION.</li> <li>ANDULD ANY DERIOR OR INSORTATION HORO TO BODIONI.</li> <li>BANDULD ANY DERIOR OR INCOMISTIONY APPEARIN THE DAWINGS THE CONTRACTOR DEPOSET ENDING.</li> <li>THE CONTRACTOR BHALL BE RESPONDED FOR THE THE TOTATION OF THE PROVED TO MADE TAKING THE PROPOSED CONSTRUCTION BULLIDING OR SITE OF SURFACIATION OF ALL DEALERSTREPHYSICATION SHALL DE ALLOUED DUE TO DEPOSITION SHALL DE RESPONDENCE TO PROVIDE MADE TO DEALE PROVED AND SUCH DUE TO DEPOSITION SHALL DE RESPONDENCE TO PROVIDE MADE TO DEALE THE ADMINISTRE COMBERATION BHALL DE DUES IN PREVENTE DE CONTRACTION OF ALL DESIDENT TO DEALE PROVIDE ANALL CONDECTION SHALL DE DUES IN PREVENCE TO DEALE NOT ALL DESIDENTITO DE DATA.</li> <li>CONTRACTORS SHALL AD LOU SIZE IN SPECIE ON THE ADMINISTRE OF THE SAMERENCE TO A SUMMER FOR THE DESIDENT.</li> <li>DECREMENTS INDICATE DEMA IN PREVENCE TO A SUMMER FOR THE DESIDENT.</li> <li>DECREMENTS INDICATE DEMA IN PREVENCE TO A SUMMER FOR THE ADMINISTRE OF THE DESIDENT TO SUMMER FOR THE ADMINISTRE OF THE DETION SHALL DE CONTRACTOR.</li> <li>DETINE ADMINISTRE ADD STATE DEPOSITION SHALL DE SUMMER FOR THE DESIDENT.</li> <li>DETINE ADMINISTRE ADD STATE DEPOSITION SHALL DE CONTRACTOR.</li> <li>DEDING ADD MINISTRE ADD STATE DE</li></ul>	AB. ANCHOR BOLT AFF. ABOVE FINISH F BD. BOARD BOTT. BOTTOM BLDG. BUILDING BLKG. BLOCKING BLKG. BLOCKING BLKG. BLOCKING BLKG. CALIFORNIA BU CLOR Q. CENTERLINE CLCR, CLEAR CLG. CEILING CCNC, CONCRETE CONST. CONSTRUCTION CONC. CONCRETE CONST. CONSTRUCTION CONT. CONTINOUS DET. DETAIL DBL. DOUBLE DIA. OR * DIAMETER DUG. DRAWING EA. EACH ELEV. ELEVATION EN. EDGE NAIL ENCL. ENCLOGURE EQUIP. EQUIPMENT EXIST. OR (E) EXISTING F.D. FLOOR DRAIN FIN. FINISH FLOUR FLOURESCENT F. FEET FTG. FOOTING FF FINISH FLOOR FJ. BL. GALVANIZED GALV. GALVANIZED GC. GENERAL CONT GD GARBAGE DISF GYP. BD. GYPSUM BOARD HB. HOSE BIBB HR. HOUR HI. HEIGHT INSUL. INSULATION INT. INTERIOR LAV. LAVATORY MAX. MAXIMUM MIN. MINIMUM
11 GENERAL NOTES	8 SYMBOLS AN
I find that:       All drawings or sheets listed on the cover or index sheet         I this drawing or page         is/are in general conformance with the project         design, and         Nas/have been coordinated with the project         plans and specifications.         Order         Openature         Openature         David Starck         Print Name         c22903         I2         STATEMENT OF GENERAL CONFORMANCE	STATEMEN For architects/engines shop drawings, prep (Application No The drawing The drawing This drawing have been prepares who are licensed an state. It examined b 1) design intent and requirements of T project specific 2) coordination with acceptable for i project. The Statement of Ge relieving me of my r IT302 and 8II38 of t Title 24, Part I. (Title

# SYLVAN UNION SCHOOL DISTRICT EW PORTABLE CLASSROOMS 'AN ELEMENTARY SCHOOL

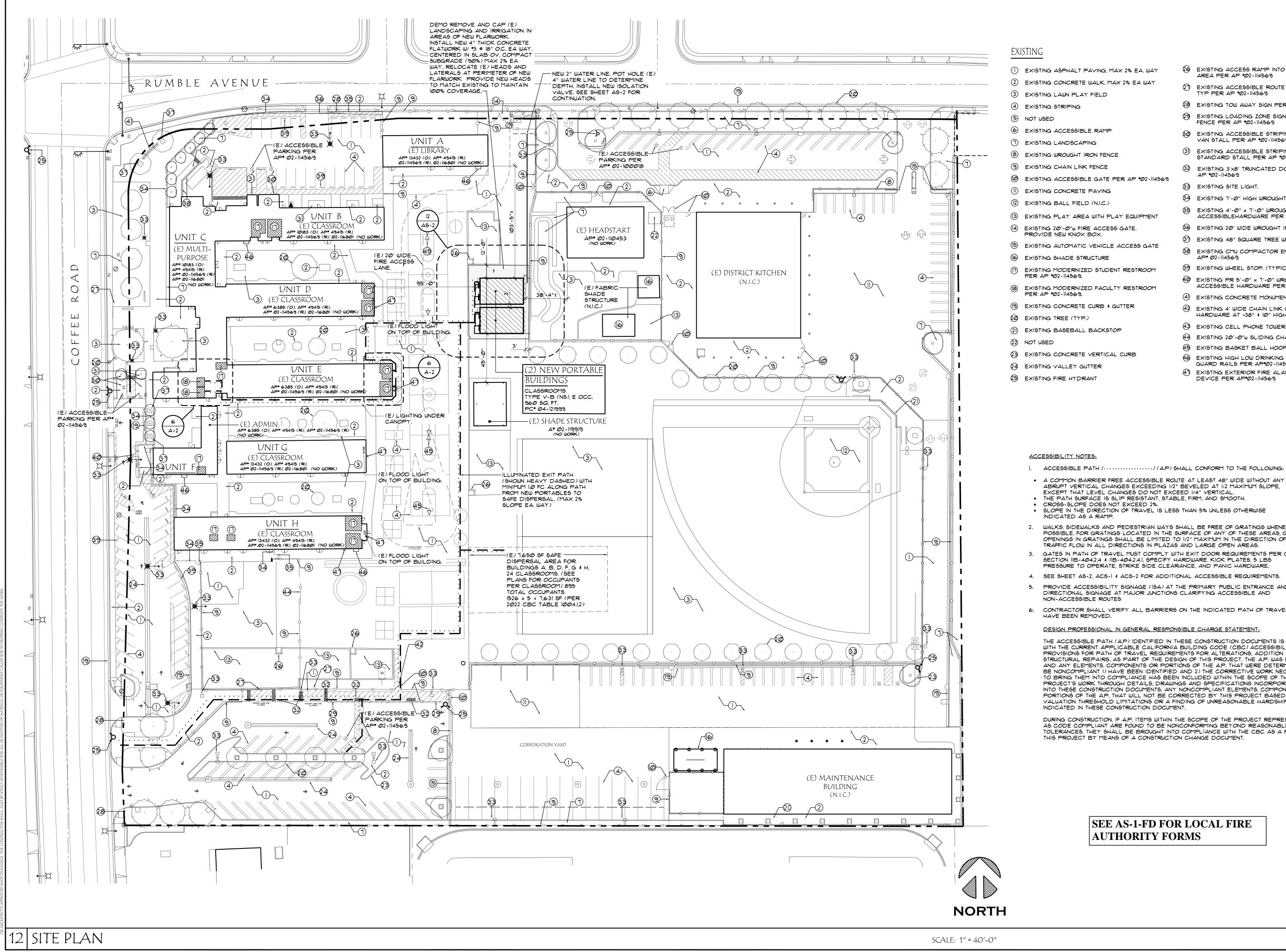
2908 COFFEE ROAD, MODESTO, CA 95355

#### PROJECT TITLE PARTIAL LIST OF APPLICABLE CODES: A. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART I, TITLE 24 C.C.R. B. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS) C. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS) ION OR DETAIL CUT. TOP NUMBER DENOTES ATION ON SHEETS AND THE BOTTOM NUMBER D. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. CATES THE SHEET NUMBER IT IS DRAWN. (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS) E. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. MECH. MECHANICAL (2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS) MISC. MISCELLANEOUS LOOR F. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R. MFR. MANUFACTURER MTL. METAL G. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (N) NEW (2021 INTERNATIONAL FIRE CODE 2022 CALIFORNIA AMENDMENTS) N.T.S. NOT TO SCALE (60) SH H. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, (CAL GREEN) O.H. OVERHEAD PER PART II, TITLE 24 C.C.R. ILDING CODE O.C. ON CENTER J. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. O.D. OUTSIDE DIMENSION TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS OV. OVER K. AMERICANS WITH DISABILITIES ACT (ADA) OPP. OPPOSITE <u>SEIS</u> ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG) BONRY UNIT PAF. POWDER ACTUATED FASTENER PLYWD. PLYWOOD ADDITIONAL APPLICABLE STANDARDS: PLBG. PLUMBING PSF POUNDS PER SQUARE FEET NFPA 13 AUTOMATIC SPRINKLER SYSTEMS PSI POUNDS PER SQUARE INCH NFPA 14 STANDPIPE SYSTEMS (CA AMENDED) PT. POINT P.T. PRESSURE TREATED NFPA 17 DRY CHEMICAL SYSTEMS REF. REFRIGERATOR WIND NFPA 17A WET CHEMICAL SYSTEMS REINF. REINFORCING REQD. REQUIRED NFPA 20 STATIONARY PUMPS R.H.W.S. ROUND HEAD WOOD SCREW NFPA 24 PRIVATE FIRE MAINS (CA AMENDED) SCHED. SCHEDULE NATIONAL FIRE ALARM CODE (CA AMENDED): NEPA 12 SECT. SECTION S.D.S SELF DRILLING SCREW FLOC NFPA 80 FIRE DOOR AND OTHER OPENING PROTECTIVES SHTG. SHEATING NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS SIM. SIMILAR SIM. SIMILAR REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (SFM) CHAPTER 35 SMS. OR S.M.S. SHEET METAL SCREW SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS. SPECS. SPECIFICATIONS CONTRACTOR SHALL COMPLY WITH CFC CHAPTER 33 - FIRE SAFETY DURING SQ. SQUARE DEMOLITION & CONSTRUCTION. STD. STANDARD STL. STEEL GOVERNING CODES OD SCREW STO. STORAGE 2. S.S. STAINLESS STEEL SUSP. SUSPENDED THIS PROJECT WILL REQUIRE DSA CLASS 2 PROJECT INSPECTOR. S.TC. OR T.S. STEEL TUBE COLUMN SYS. SYSTEM INSPECTOR SHALL BE EMPLOYED BY OWNER AND APPROVED BY No TAB TOP AND BOTTOM RACTOR ARCHITECT, STRUCTURAL ENGINEER AND DSA ar POSAL THK, THICK ITP. ITPICAL **PROJECT INSPECTOR** 3 6 U.O.N. UNLESS OTHERWISE NOTED VER. VERIFY WD. WOOD WH WATER HEATER SYLVAN UNION SCHOOL DISTRICT OWNER W/ WITH 605 SYLVAN AVE, W/O WITHOUT MODESTO, CA, 95350 TEL. (209) 574-5000 ATTN: LIZETT AGUILAR PROJECT (2) NEW PORTABLE CLASSROOM BUILDINGS SYLVAN ELEMENTARY SCHOOL 2908 COFFEE ROAD MODESTO, CA 95355 TEL. (209) 574-5600 ND ABBREVIATIONS AGENCIES STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES DIVISION OF THE STATE ARCHITECT 1102 Q ST. SUITE 5200 SACRAMENTO, CA 95814 T OF GENERAL CONFORMANCE TEL. (916)445-8730 ers who utilize plans including but not limited to FAX (916) 323-5589 oared by other licensed design professionals and/or consultants. ARCHITECT SKW & ASSOCIATES ENGINEERING · ARCHITECTURE · SURVEYING 02-122159 File No. 50-59 2237 SCENIC DRIVE MODESTO, CA. 95355 TEL. (209) 523-8323 as or sheets listed on the cover or index sheet. FAX (209)529-7804 q, page of specifications/calculations ELECTRICAL PEZZONI ENGINEERING, INC. d by other design professionals or consultants CONSULTING ELECTRICAL ENGINEERS d/or authorized to prepare such drawings in this 1150 9th STREET #1415 y me for: MODESTO, CA. 95354 TEL. (209) 544-4602 appears to meet the appropriate itle 24, California Code Regulations and the MODULAR BUILDING SILVER CREEK MODULAR ations prepared by me and COMPANY 2830 BARRET AVE my plans and specifications and is ncorporation into the construction of this PERRIS, CA 92571 TEL. (951) 943-5393 FAX (951) 943-2211 eneral Conformance "shall not be construed as ATTN: MICHAEL RODRIGUES ights, duties, and responsibilities under Sections he Education Code and Sections 4-336" of e 24, Part I, Section 4-317 (b)

PROJECT DIRECTORY

T-1	COVER SHEET		REEK DRAWINGS (PC* 04-121999)	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
	ECTURAL:	A-ØN	COVER SHEET	APP: 02-122159 INC: REVIEWED FOR
AS-1 AS-IFD		A-1.01N E-1.01N	FLOOR PLAN 24×40 PROJECT SPECIFIC ELECTRICAL PLAN AND SCHEDULE 24×40 PROJECT SPECIFIC	SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/27/2024
ДӨ-2 AS-3 Д-1	ENLARGED SITE PLAN & DETAILS FENCE ELEVATIONS & DETAILS FLOOR PLAN & EXTERIOR ELEVATIONS	А-Ø А-ØА А-ØВ	COVER SHEET T & I FORMS T & I FORMS	
A-2 <u>ELECT</u> F	ENLARGED RESTROOM PLANS RICAL:	A-Ø.1	SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE	* 2804 • •
EØ.1 EØ.2	ELECTRICAL COVER SHEET FIRE ALARM DETAILS	А- <i>0.</i> 2 А- <i>0.</i> 3 А- <i>0.</i> 53	SCHEDULES TYPICAL KEY PLANS 24'-120' X 40' DESIGN ENERGY VALUES WOOD FLOOR	s cy 29.7
EØ.3 El.Ø	FIRE ALARM SYSTEMS AND SCHEDULES Overall Site Plan - electrical	A-0.54 A-0.6A	-WALL HVAC PRF FORMS 24X40 - ZONE 14 WORST CASE CERTIFICATE OF COMPLIANCE FORMS	
E2 <i>.0</i> E3.1	PORTABLE FLOOR PLAN - ELECTRICAL ELECTRICAL DETAILS	A-0.6B A-0.6C	CERTIFICATE OF COMPLIANCE FORMS CERTIFICATE OF COMPLIANCE FORMS	· <b>-</b>
		А- <i>0.</i> 7 А-1 <i>.</i> 01	PV SYSTEM REQUIREMENTS, ENERGY MANDATORY MEASURES & CALGREEN SPECS FLOOR PLAN 24×40	SSOC tring c
		A-2.01 A-2.20 A-3.01	REFLECTED CEILING PLAN 24X40 CEILING DETAILS T-GRID ROOF PLAN 24X40 - METAL DECK	k assc ineering p:209.523
		A-3.50	MONO OR DUAL SLOPE ROOF DETAILS STANDING SEAM ROOF DECK	engir 95355 p
		A-4.01 A-5.01	EXTERIOR ELEVATION 24×40 MONO/ DUAL SLOPE. CROSS SECTION MONO SLOPE	3
		A-5.05 A-5.50 A-5.70	CROSS SECTION ARCHITECTURAL DETAILS WOOD STUD. SHTG ARCHITECTURAL DETAILS FLOOR	odest
		A-5.80 A-5.81	ARCHITECTURAL DETAILS MISCELLANEOUS/ OPTIONS ARCHITECTURAL DETAILS MISCELLANEOUS/	hitectur scenic drive, t
		A-6.01 F-0.02	OPTIONS INTERIOR ELEVATIONS 24×40 WOOD FOUNDATION PLAN 24×40 (50+15 PSF)	
		F-0.50 S-0.1	FOUNDATION DETAILS WOOD STRUCTURAL SPECIFICATIONS	37cl
		9-1.01 9-1.50 9-2.01	FLOOR FRAMING PLAN WOOD FLOOR FLOOR FRAMING DETAILS WOOD FLOOR ROOF FRAMING PLAN MONO SLOPE	• david j.starck architect
		5-2.50 5-2.60 5-2.90	ROOF FRAMING DETAILS MONO SLOPE ROOF FRAMING DETAILS ROOF FRAMING DETAILS TRUSS	• allan v. stevenson
		9-3.01 9-5.00	BUILDING SECTIONS MONO SLOPE WALL FRAMING ELEVATIONS WOOD STUDS	civil engineer rce 61758
		5-5.10 5-5.11 P-1.01	WALL FRAMING DETAILS WOOD STUDS WALL FRAMING DETAILS WOOD STUDS PLUMBING DETAILS AND SCHEDULE	SED ARCU
		M- <i>0.</i> 1 M-1.01 E1.01	MECHANICAL NOTES, SCHEDULES, 4 DETAILS MECHANICAL PLAN WALL MOUNT 24×40 ELECTRICAL PLAN AND SCHEDULE 24×40	CEND J. STAPECI
(60)	SHEETS TOTAL.	R-1.01 R-2.01	RAMP LANDING RAMP DETAILS	and the
r	SHEET INDEX			→ C-22903 · · · · · · · · · · · · · · · · · · ·
<u><u> </u></u>	EISMIC: ( EQUIVALENT LATERAL FORCE PRO	CEDURE )		F OF CALIFOU
	I = 1.0 (OCCUPANCY CATEGORY	)		•
	S <sub>S</sub> = 0.656 S <sub>I</sub> = 0.262 S <sub>DS</sub> = 0.558 S <sub>DI</sub> = N/4	7		
	SITE CLASS: D SEISMIC DESIGN (	CATEGORY	: D	JMC
<u>u</u>	<u>JIND:</u> (METHOD 1) I = 1.0 (OCCUPANCY CATEGORY	11)	EXPOSURE: C	SOC SOC
	BASIC WIND SPEED: 94 MPH ( NOMII	NAL WIND S	BPEED )	SCHC
F	LOOD ZONE: X (AREAS OF MINIMAL FLOOD H.	AZARD)(Ø	6099C0340F, 8/24/2021)	
)	DESIGN CRITERIA			dl district
	1. CONSTRUCTION OF (2) 24×40 PORTAE BUILDINGS. (PC #04-121999)	BLE CLASS	BROOM	school EMEN DRTA Jad 3355
	2. NEW FIRE ALARM IN PORTABLES, CON RELATED SITE IMPROVEMENTS.	NCRETE FL	ATWORK, AND	LE : UNION NN EL EV P( FFEE RC D, CA 95
	3. NEW ELECTRICAL INFRAGTRUCTURE TO			
	Note: New Portable Buildings will k and reconnected at the project loca	_	oorted as modules	project title SYLVAN U SYLVA (2) NE (2) NE 2908 COF MODESTO
5	PROJECT DESCRIPTIC	DN		•
				└ <u></u>
				SHEET
	NEW PORTABLES:			IR SH
	(2) 24×40 PORTABLE BUILDINGS			COVER
	TYPE V-B CONSTRUCTION - E OCO 960 SQ, FT EACH, (48 OCCUPANT 168 SQ, FT OVERHANGS (EACH)		(NON-SPRINKLED)	Ŭ
		Ø SQ. FT. 36 SQ. FT. 56 SQ. FT.		
	(COMBINDED & SEPARATED BY M	11N 20'-0"	ON ALL SIDES)	•
	$\frac{AREA}{C}$	<i>c</i>		
	BASIC ALLOWABLE VB (NS), E OC TOTAL COMBINED AREA WITH OVE		9,500 SF (TABLE 506.2) 2,256 SQ. FT.	
	2,256 SQ. FT. <			
				BY : Z.D LIST : SYLVAN DATE : 2-20-2024
				DATE : 2-20-2024 JOB : 23M047
				SHEET : T-1
/				

PROJECT DATA



- () EXISTING ASPHALT PAVING, MAX 2% EA, WAY (2) EXISTING CONCRETE WALK, MAX 2% EA WAY
- (4) EXISTING STRIPING
- 6 EXISTING ACCESSIBLE RAMP
- T EXISTING LANDSCAPING
- (8) EXISTING WROUGHT IRON FENCE
- (9) EXISTING CHAIN LINK FENCE
- EXISTING ACCESSIBLE GATE PER AP #02-114569
- (I) EXISTING CONCRETE PAVING
- (13) EXISTING PLAY AREA WITH PLAY EQUIPMENT (4) EXISTING 20'-0"W FIRE ACCESS GATE.
- PROVIDE NEW KNOX BOX. (5) EXISTING AUTOMATIC VEHICLE ACCESS GATE
- 6 EXISTING SHADE STRUCTURE
- (1) EXISTING MODERNIZED STUDENT RESTROOM PER AP \*02-114569.
- (B) EXISTING MODERNIZED FACULTY RESTROOM PER AP \*02-114569.
- (9) EXISTING CONCRETE CURB & GUTTER
- (2) EXISTING BASEBALL BACKSTOP

INDICATED AS A RAMP.

NON-ACCESSIBLE ROUTES

HAVE BEEN REMOVED.

- (3) EXISTING CONCRETE VERTICAL CURB
- (4) EXISTING VALLEY GUTTER
- 5 EXISTING FIRE HYDRANT

() EXISTING ACCESS RAMP INTO PLAY AREA PER AP #02-114569 (2) EXISTING ACCESSIBLE ROUTE SIGN

TYP PER AP #02-114569

AP #02-114569

(3) EXISTING SITE LIGHT.

AP**\* 0**2-114569

VAN STALL PER AP #02-114569.

- B EXISTING TOW AWAY SIGN PER AP #02-114569

**IDENTIFICATION STAMP** DIV. OF THE STATE ARCHITEC

**REVIEWED FOR** 

SS 🗹 FLS 🗹 ACS 🗹

永久

• david j.starck

• allan v. stevenson

CHOOL VSSROO/

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VAN UNION SCHOOL DISTRICT LVAN ELEMENTARY 5 ) NEW PORTABLE CLA

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• --**REVISIONS** :

ΒY LIST

DATE :

JOB

SHEET

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architect c 22903

civil engineer rce 61758

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02/27/2024

APP: 02-122159 INC:

DATE:

- FENCE PER AP \*02-114569

(3) EXISTING ACCESSIBLE STRIPING AND SIGN FOR

STANDARD STALL PER AP #02-114569

(3) EXISTING 1'-O" HIGH WROUGHT IRON FENCE.

(3) EXISTING 48" SQUARE TREE WELL.

(3) EXISTING WHEEL STOP. (TYPICAL)

(4) EXISTING CONCRETE MONUMENT SIGN.

4) EXISTING CELL PHONE TOWER

(B) EXISTING 4'-0" X 7'-0" WROUGHT IRON GATE, WITH

ACCESSIBLEHARDWARE PER AP #02-113569

🙆 EXISTING 20' WIDE WROUGHT IRON ROLLING GATE.

EXISTING PR 5'-0" x 7'-0" WROUGHT IRON GATES WITH

ACCESSIBLE HARDWARE PER AP #02-112569

(4) EXISTING 4' WIDE CHAIN LINK GATE WITH LEVER

(4) EXISTING 20'-0"W SLIDING CHAIN LINK GATE

C EXISTING HIGH LOW DRINKING FOUNTAIN WITH

GUARD RAILS PER AP\*02-114569.

DEVICE PER AP#02-114569

ACCESSIBLE PATH (.....) (A,P) SHALL CONFORM TO THE FOLLOWING:

ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE,

WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER

OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF

GATES IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS PER CBC

PROVIDE ACCESSIBILITY SIGNAGE (ISA) AT THE PRIMARY PUBLIC ENTRANCE AND SITE

THE ACCESSIBLE PATH (A.P.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY

STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE A.P. WAS EXAMINED

AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE A.P. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY

VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO

DURING CONSTRUCTION, IF A.P. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED

SEE AS-1-FD FOR LOCAL FIRE

AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONST. TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF

PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITION AND

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 A.P. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON

TRAFFIC FLOW IN ALL DIRECTIONS IN PLAZAS AND LARGE OPEN AREAS.

SECTION 11B-404.2.4 & 11B-404.2.4.1. SPECIFY HARDWARE, KICK PLATES, 5 LBS

PRESSURE TO OPERATE, STRIKE SIDE CLEARANCE, AND PANIC HARDWARE.

DIRECTIONAL SIGNAGE AT MAJOR JUNCTIONS CLARIFYING ACCESSIBLE AND

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

**AUTHORITY FORMS** 

INDICATED IN THESE CONSTRUCTION DOCUMENT.

CONTRACTOR SHALL VERIFY ALL BARRIERS ON THE INDICATED PATH OF TRAVEL

POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID

EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.

HARDWARE AT +38" & 10" HIGH KICKPLATE

(45) EXISTING BASKET BALL HOOP TO REMAIN (TYP)

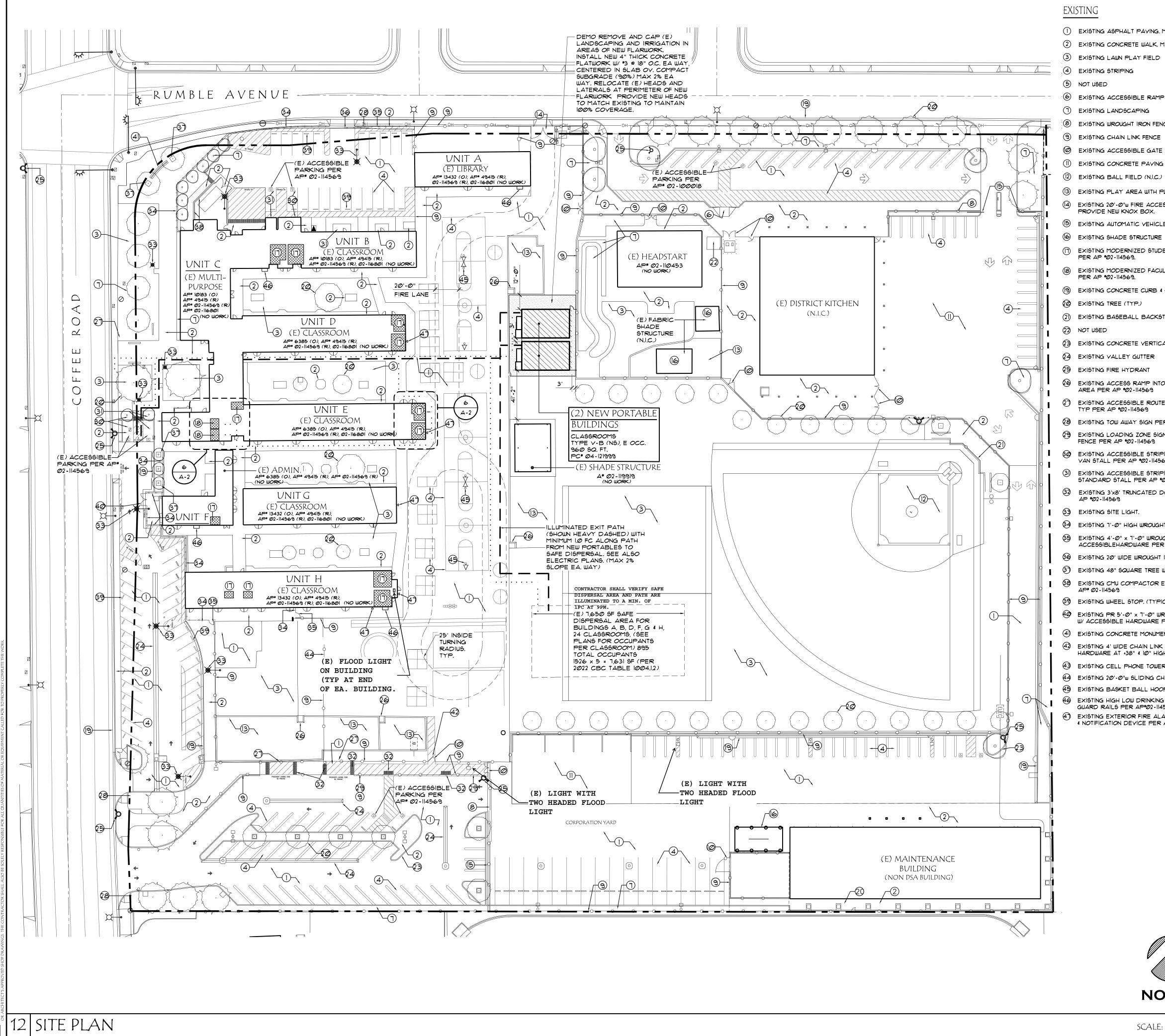
(4) EXISTING EXTERIOR FIRE ALARM HORN & NOTIFICATION

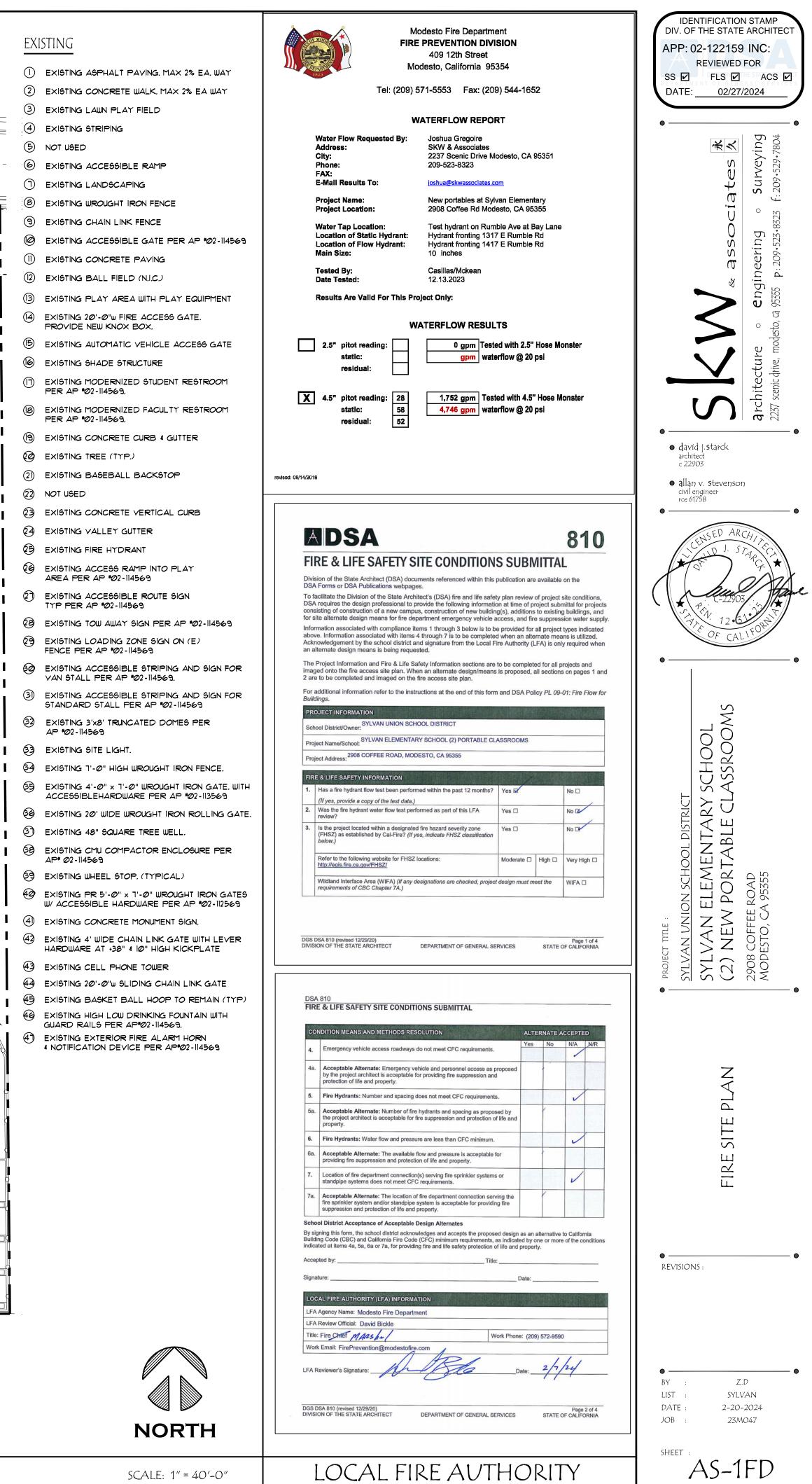
(3) EXISTING CMU COMPACTOR ENCLOSURE PER

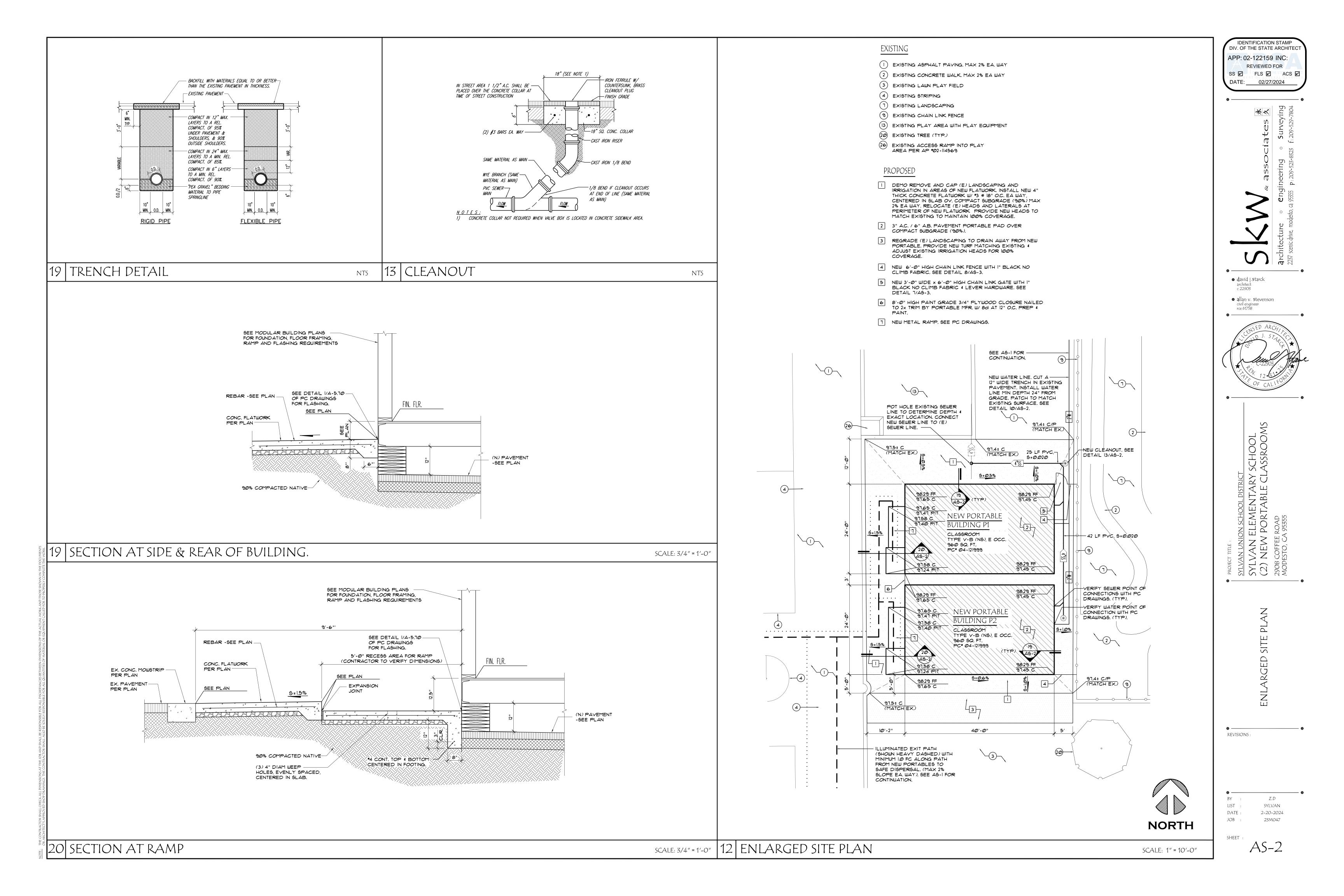
3 EXISTING 3'X8' TRUNCATED DOMES PER

- (9) EXISTING LOADING ZONE SIGN ON (E)

- 60 EXISTING ACCESSIBLE STRIPING AND SIGN FOR



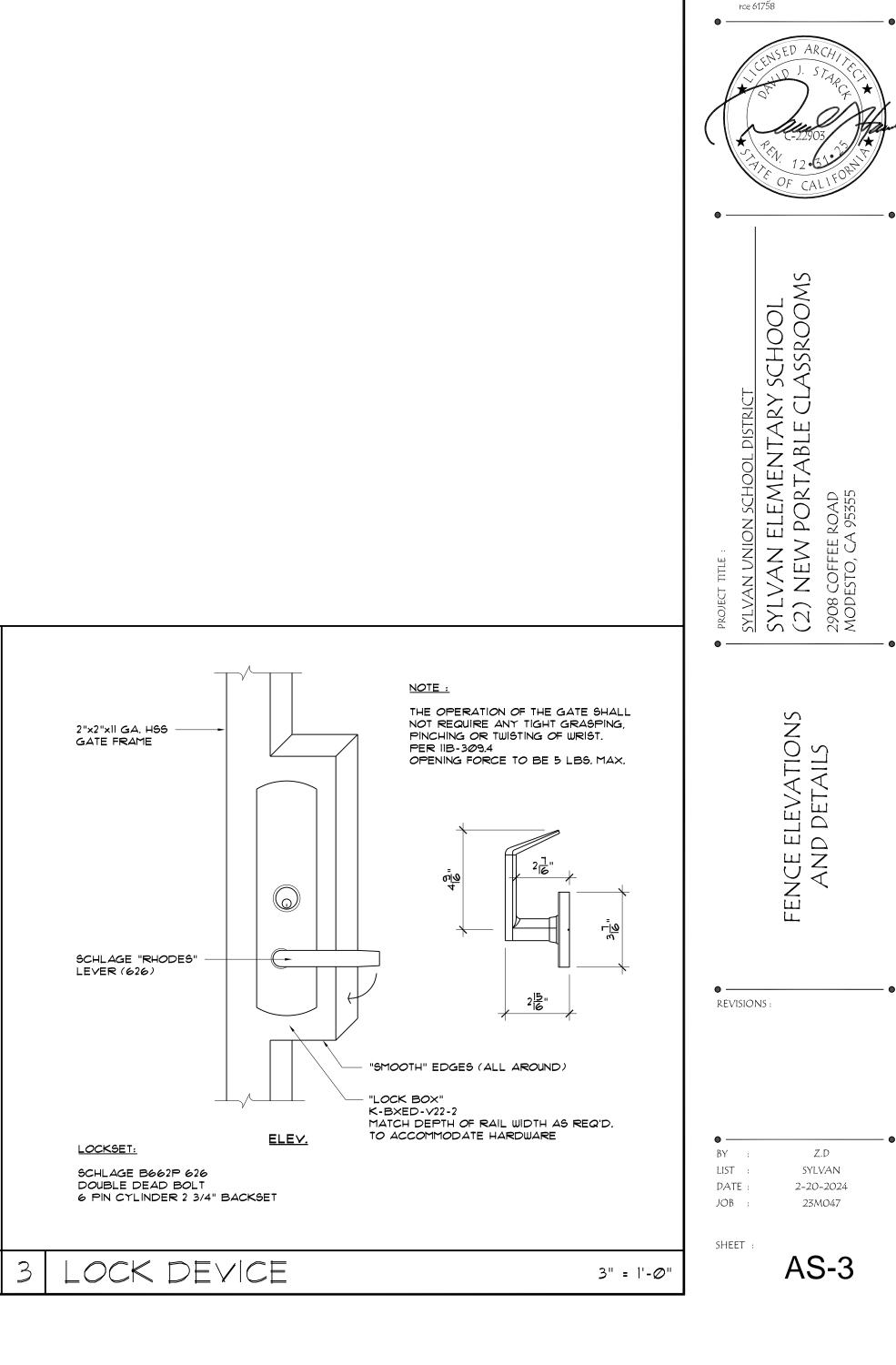


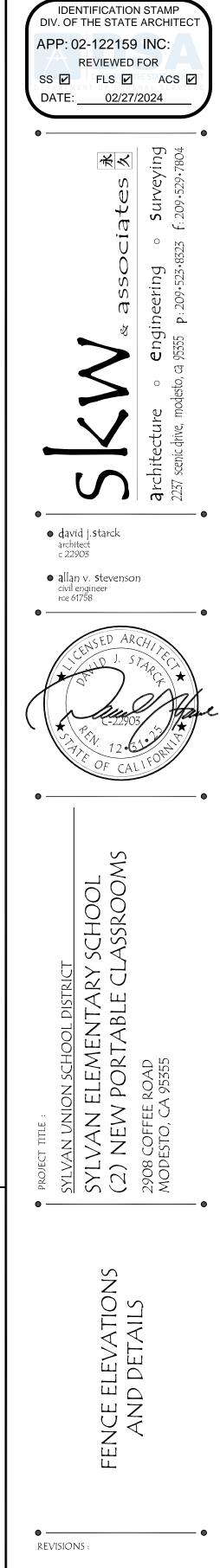


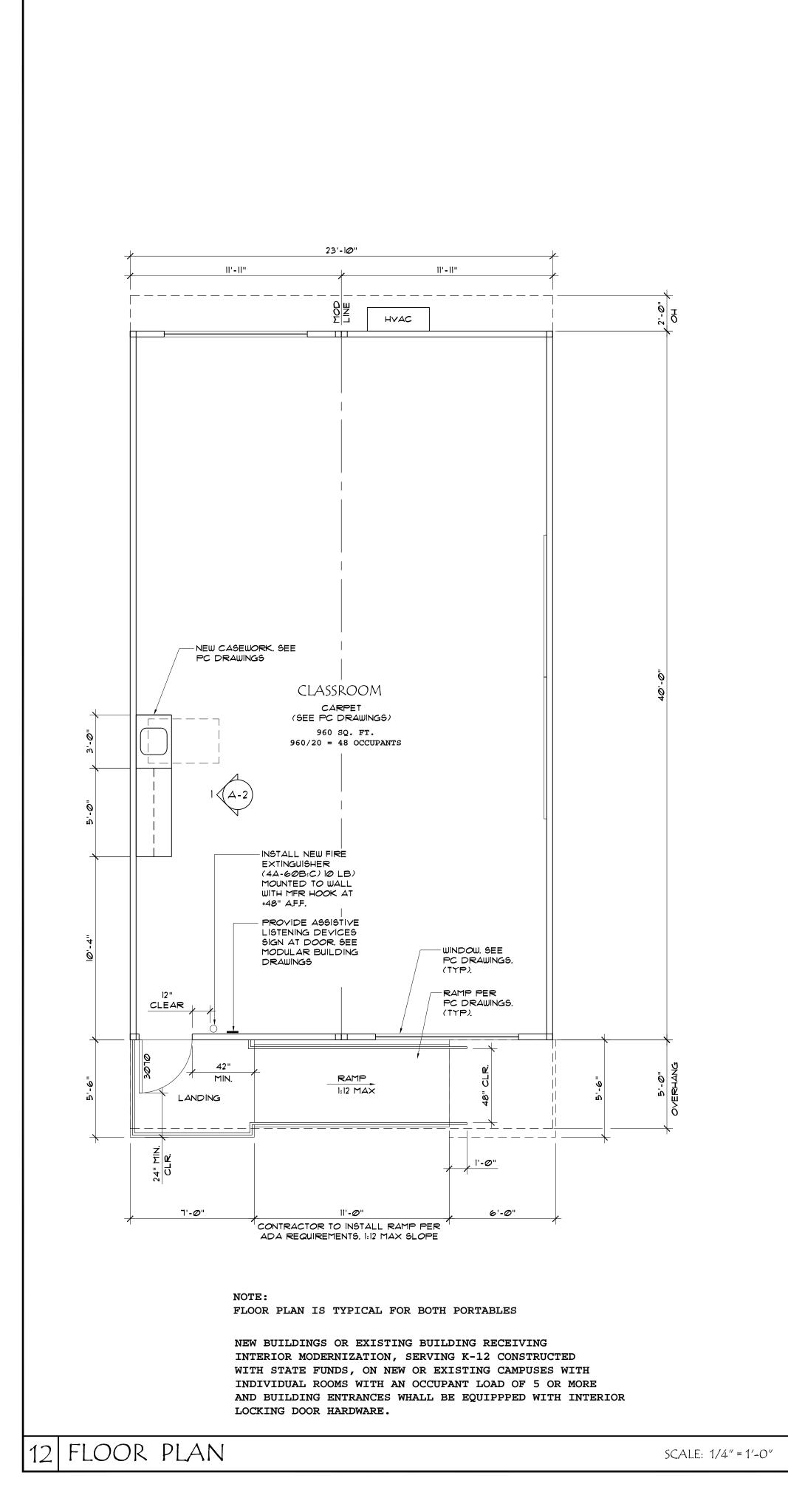
	<u>ONCRETE:</u> Structural concrete shall test i	NOT LESS THAN 3	3000 PSI IN 28 DA	<b>4</b> 76,			
2.	CEMENT SHALL CONFORM TO A.S.T.M. C	2-150 TYPE 1.					
	CONCRETE AGGREGATES SHALL CONF REINFORCING SHALL CONFORM TO AS		C-33.				
	GRADE REBAR SIZE 40 *3, 60 *4 OR GREATER						
5.	REINFORCING STEEL SHALL BE FABRI PRACTICE FOR REINFORCED CONCRE			F STANDARD			
	WIRE FABRIC SHALL CONFORM TO A.S.						
١.	DIMENSIONS SHOWN FOR LOCATION OF BARS AND DENOTE CLEAR COVERAG FOLLOWS: CONCRETE DEPOSITED DIRECTLY A	E. CONCRETE C	OVERAGE SHALL				
	CONCRETE DEFOSITED DIRECTLY A CONCRETE EXPOSED TO GROUND BU TIED COLUMNS (MAIN BARS) . BEAMS (TOP BARS) .	UT PLACED IN FO	DRMS	2" 2"			
	BEAMS (ALL OTHER MAIN REINFORCH PAN JOISTS SPIRAL COLUMNS (TO FACE OF SPIRA	ING)		. 2" . l"			
	WALLS (EXTERIOR FACE) WALLS (INTERIOR FACE) SLABS (ON FORMS)	· · ·	· · · · ·	. 2" . 3/4" . 3/4"			
8.	SLABS (ON GROUND)	POSI ENTS SHALL BE 3	ITION IN CENTER C 32 BAR DIAMETER	F SLAB 3 AND			
-	SPLICES IN ADJACENT BARS SHALL E CONTINUOUS BARS IN SPANDRELS, GR TOP BARS AT CENTER SPAN - BOTTO	BE NOT LESS THA CADE BEAMS, WAI	N 5'-0" APART. SI LL BEAMS, ETC. AS	PLICE			
9,	CONSTRUCTION JOINTS SHALL BE MAD REMOVED FROM THE SURFACE, CONC	DE ROUGH AFTER RETE MAY BE R	ALL LAITANCE HA	IPPING THE			
	ENTIRE SURFACE, SAND BLASTING, OR THE POUR WITH A FINE SPRAY, REMOV POURING ANY CONCRETE, DRILL THRO	/E ALL DEBRIS F	ROM THE FORMS E	BEFORE			
iØ.	HORIZONTAL REINFORCING. REINFORCING, DOWELS, BOLTS, ANCHO	, ,					
11.	CONCRETE SHALL BE SECURELY POS MAXIMUM FREE FALL OF CONCRETE SH		: MLACING CONCR				
	WALLS SHALL BE POURED IN HORIZON			_1			
1.5							
	CONCRETE IN WALLS, PIERS OR COLUI Placing concrete in Beams, Spane	MNS SHALL BE S Orels, OR SLAB	ET AT LEAST 2 HO S SUPPORTED THE	URS BEFORE EREON.			
14.	•	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH	ET AT LEAST 2 HO S SUPPORTED THE IALL BE STAGGER	URS BEFORE EREON. ED.			
14. 15.	PLACING CONCRETE IN BEAMS, SPANE HORIZONTAL WALL BARS IN DOUBLE L DOWEL ALL VERT. REBARS IN WALLS SIZE BAR. MINIMUM WALL REINFORCING SHALL BE	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR E:	ET AT LEAST 2 HO S SUPPORTED THE IALL BE STAGGER	URS BEFORE EREON. ED.			
14. 15.	PLACING CONCRETE IN BEAMS, SPANE HORIZONTAL WALL BARS IN DOUBLE L DOWEL ALL VERT. REBARS IN WALLS SIZE BAR. MINIMUM WALL REINFORCING SHALL BE WALL THICKNESS SINGLE LAYE T" OR LESS . *4 AT 12" OC 8"	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR E: ER EA, WAY	ET AT LEAST 2 HO S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION DOUBLE LAYER #4 AT 10" OC EA.	URS BEFORE EREON. ED. WITH SAME			
14. 15.	PLACING CONCRETE IN BEAMS, SPANE HORIZONTAL WALL BARS IN DOUBLE L DOWEL ALL VERT. REBARS IN WALLS SIZE BAR. MINIMUM WALL REINFORCING SHALL BE WALL THICKNESS SINGLE LAYE T" OR LESS . *4 AT 12" OC	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR E: ER EA, WAY	ET AT LEAST 2 HO S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION DOUBLE LAYER #4 AT 10" OC EA.	URS BEFORE EREON. ED. WITH SAME WAY			
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14. 15.	PLACING CONCRETE IN BEAMS, SPANE HORIZONTAL WALL BARS IN DOUBLE L DOWEL ALL VERT. REBARS IN WALLS SIZE BAR. MINIMUM WALL REINFORCING SHALL BE <u>WALL THICKNESS</u> SINGLE LAYE 1" OR LESS . *4 AT 12" OC 8"	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR E: ER EA, WAY	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION DOUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1	URS BEFORE EREON. DED. WITH SAME	ΙØ'-Ø" ΜΔ	×	RAIL 6LE
14. 15.	PLACING CONCRETE IN BEAMS, SPANE HORIZONTAL WALL BARS IN DOUBLE L DOWEL ALL VERT. REBARS IN WALLS SIZE BAR. MINIMUM WALL REINFORCING SHALL BE WALL THICKNESS SINGLE LATE T" OR LESS . *4 AT 12" OC 8" *4 AT 18" OC 9" AND 10" 11" AND 12" SELVAGE: KNUCKLED	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR E: ER EA, WAY	ET AT LEAST 2 HO IS SUPPORTED THE HALL BE STAGGER ROM FOUNDATION DOUBLE LAYER #4 AT 10" OC EA. #4 AT 10" OC EA.	URS BEFORE EREON. DED. WITH SAME	۱Ø'-Ø" MA	×	RAIL SLE × 6" PRI
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE L         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LATE         T" OR LESS         "	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR ER EA. WAY EA. WAY EA. WAY EA. WAY EA. WAY	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION DOUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1	URS BEFORE EREON. DED. WITH SAME			
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14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LAYS         T" OR LESS         .         4 AT 12" OC         8"         .         9" AND 10"         .         11" AND 12"         .         SELVAGE: KNUCKLED         POST CAP:         PRESSED STEEL         TERMINAL POST:         2.315" O.D. SCH. 40	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR ER EA. WAY EA. WAY EA. WAY EA. WAY EA. WAY	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION POUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA @ 16"C BRACE RAIL: 1 5/ OD SCH. 40 @ 2.2" LB/FT			3" <i>O</i> D LB/FT 6H, 9 GA	× 6" PR
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LATE         T" OR LESS	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR ER EA. WAY EA. WAY EA. WAY EA. WAY EA. WAY	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION POUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA @ 16"c BRACE RAIL: 1 5/ OD SCH. 40 @ 2.2		TOP RAIL: 15% SCH, 40 @ 221 FABRIC: 2" MES GBW, CLASS 1 & ZINC COATING	B" OD LB/FT GH, 9 GA 0 12 OZ.	× 6" PR
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LATE         T" OR LESS         *4 AT 12" OC         8"         9" AND 10"         •*4 AT 18" OC         9" AND 10"         •*4 AT 18" OC         9" AND 12"         •***         •***         •***         •***         •***         •****         •*******         •************************************	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR ER EA. WAY EA. WAY EA. WAY EA. WAY EA. WAY	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION POUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA @ 16"C BRACE RAIL: 1 5/ OD SCH. 40 @ 2.2" LB/FT		TOP RAIL: 15/8 SCH. 40 @ 2.21 FABRIC: 2" MES GBW, CLASS 1 @	3" <i>О</i> Д LB/FT 6H, 9 GA 0 I2 <i>О</i> Z.	× 6" PR
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LATE         T" OR LESS         .         4 AT 12" OC         8"         .         1" OR LESS         .	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR ER EA. WAY EA. WAY EA. WAY EA. WAY EA. WAY	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION POUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA @ 16"C BRACE RAIL: 1 5/ OD SCH. 40 @ 2.2" LB/FT		TOP RAIL: 1 5/8 SCH. 40 @ 2.21 FABRIC: 2" MES GBW, CLASS 1 @ ZINC COATING TIES: 9 GA @ 16	3" OD LB/FT 3H, 9 GA 0 12 OZ. 9"c. 3/8" OD	× 6" PR
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LAYS         TOR LESS	MNS SHALL BE S DRELS, OR SLAB LAYER WALLS SH AND COLUMNS FR ER EA. WAY EA. WAY EA. WAY EA. WAY EA. WAY	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION POUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA @ 16"C BRACE RAIL: 1 5/ OD SCH. 40 @ 2.2" LB/FT		TOP RAIL: 1 5/2 SCH. 40 @ 2.21 FABRIC: 2" MES GBW, CLASS 1 @ ZINC COATING TIES: 9 GA @ 16 TIES: 9 GA @ 16	3" OD LB/FT 3H, 9 GA 0 12 OZ. 9"c. 3/8" OD	× 6" PR
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LAYI         T" OR LESS       *4 AT 12" OC         S" AND 10"       *4 AT 18" OC         S" AND 12"       *4 AT 18" OC         S" AND 12"       *4 AT 18" OC         STAND 12"       *4 AT 18" OC         STAND 12"       *4 AT 18" OC         SELVAGE: KNUCKLED       ************************************	MNS SHALL BE S DRELS, OR SLAB	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION POUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA @ 16"C BRACE RAIL: 1 5/ OD SCH. 40 @ 2.2" LB/FT		TOP RAIL: 15/2 SCH. 40 @ 221 FABRIC: 2" MES GBW, CLASS 1 @ ZINC COATING TIES: 9 GA @ 12 LINE POSTS: 2 SCH. 40 @ 2.12	3" OD LB/FT OH, 9 GA 0 12 OZ. 9"C. 3/B" OD LB/FT	× 6" PR
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LAYI         T" OR LESS       *4 AT 12" OC         S" AND 10"       *4 AT 18" OC         S" AND 12"       *4 AT 18" OC         S" AND 12"       *4 AT 18" OC         STAND 12"       *4 AT 18" OC         STAND 12"       *4 AT 18" OC         SELVAGE: KNUCKLED       ************************************	MNS SHALL BE S DRELS, OR SLAB	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION DOUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA © 16"C BRACE RAIL: 1 5/ OD SCH. 40 © 2.2" LB/FT 3/8" DIA. TRUSS ROD W/ TIGHTENER		TOP RAIL: 1 5/2 SCH. 40 @ 2.21 FABRIC: 2" MES GBW, CLASS 1 @ ZINC COATING TIES: 9 GA @ 16 TIES: 9 GA @ 16	B" OD LB/FT 5H, 9 GA 0 12 OZ. 5'C. 3/8" OD LB/FT BTRIP	× 6" PR
14. 15.	PLACING CONCRETE IN BEAMS, SPANE         HORIZONTAL WALL BARS IN DOUBLE I         DOWEL ALL VERT. REBARS IN WALLS         SIZE BAR.         MINIMUM WALL REINFORCING SHALL BE         WALL THICKNESS         SINGLE LATT         T" OR LESS         9" AND I2"         9" AND I2"         1" AND I2"         9" AND I2"         9" AND I2"         1" AND I2"         9" SELVAGE: KNUCKLED         9" SELVAGE: KNUCKLED         9" AND I2"         1" AND I2"         9" AND I2"         1" AND I2"         9" SELVAGE: KNUCKLED         9" SELVAGE: KNUCKLED         9" SELVAGE: KNUCKLED         9" SELVAGE: KNUCKLED         9" AND I2"         1" AND I2"         9" SELVAGE: KNUCKLED         905T CAP:         PRESSED STEEL         1" TERMINAL POST:         2:315" O.D. SCH. 40         AT 3.65 LB/FT         1" TENSION BAR:         3/16" x 3/4"         BRACE BAND: 12GA x 3/4"         RAIL END: PRESSED STEEL         14GA x 3/4"         FINISH GRADE	MNS SHALL BE S DRELS, OR SLAB	ET AT LEAST 2 HC S SUPPORTED THE HALL BE STAGGER ROM FOUNDATION POUBLE LAYER *4 AT 10" OC EA. 1 *4 AT 10" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 *4 AT 13" OC EA. 1 TIES: 9 GA @ 16"C BRACE RAIL: 1 5/ OD SCH. 40 @ 2.2" LB/FT		TOP RAIL: 15/2 SCH. 40 @ 221 FABRIC: 2" MES GBW, CLASS 1 @ ZINC COATING TIES: 9 GA @ 16 LINE POSTS: 2 SCH. 40 @ 2.12		× 6" PR

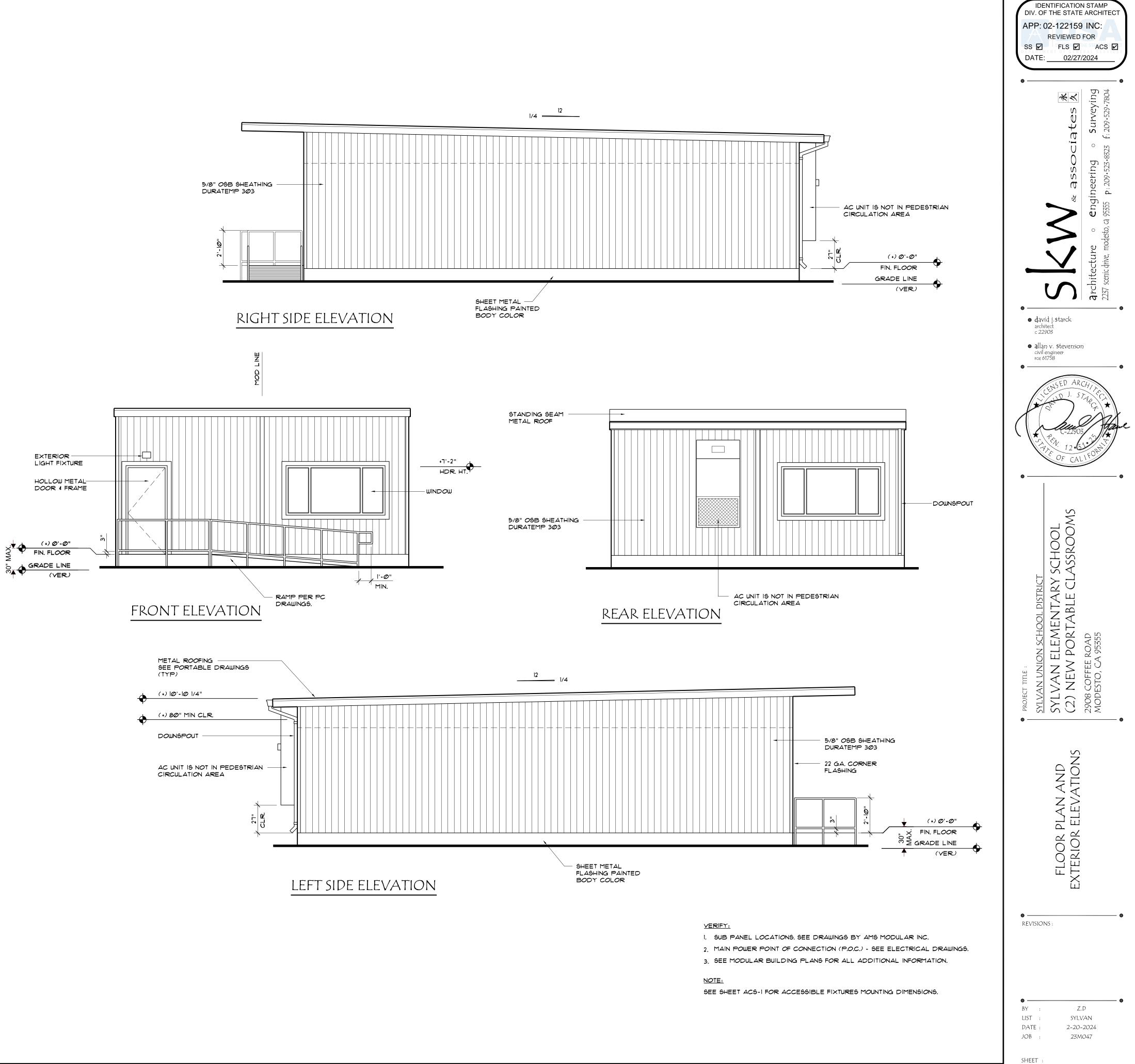
8 CHAIN LINK FENCE

STEEL		POST CAP: PRESSED STEEL		
D TOGETHER				
D CONDITION BLDG. MAX. 4" DM BLDG.		GATE FRAME: 1 5/8" OD SCH 40 @ 2.21 LB/FT FABRIC: 2" MESH, 9 GA CLASS I,		
		FABRIC: 2" MESH, 9 GA CLASS I, 1.2 OZ ZINC COATING, GBW		
D PANEL BLDG.				
		TENSION BAR: 3/16" × 3/4"		
-D		GATE POST: 4" O.D. SCH. 40		
		I. CHAIN LINK FENCE AND GATE COMPONENTS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH THE ASTM 12" DIA. SPECIFICATIONS FOR GALVANIZED CHAIN LINK FENCE.		
		2. CHAIN LINK FENCE AND GATE COMPONENTS SHALL BE INSTALLED AS PER THE ASTM SPECIFICATIONS		
		FOR INDUSTRIAL CHAIN LINK FENCE AND GATES. 3. SLOPE TOP OF CONCRETE FOOTING I'' FROM FINISH GRADE		
/2" =  '-Ø"		CHAIN LINK GATE 1/2" = 1'-	0"	3
	'			



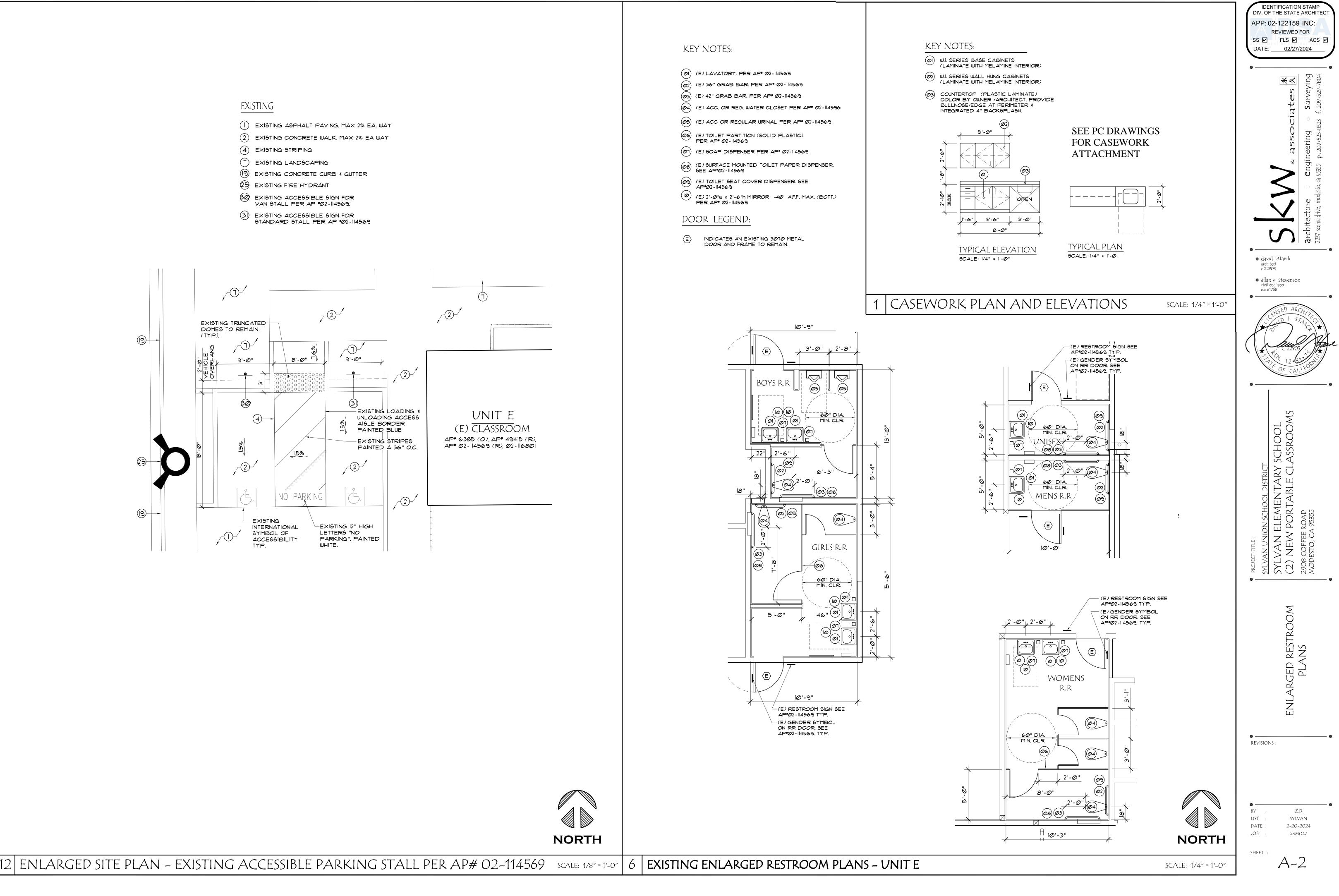






# 9 EXTERIOR ELEVATIONS

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





	AL POWER LEGEND	GE	NEKAL	_ ELECTRICAL
	CONCRETE PULL BOX —SIZE AS NOTED — LIDS AS NOTED 'P' POWER, 'S' SIGNAL, 'F' FIRE ALARM & 'D' DATA; '—T' DENOTES TRAFFIC LID		OPERATIONS	L LABOR, MATERIALS, TOOLS, PL NECESSARY FOR THE PROPER OMPLETE AND OPERATING SYSTE
	CONDUIT -SURFACE MOUNTED OR ABOVE CEILING -EMT WITH COMPRESSION FITTING UNLESS NOTED ON PLANS	2.		ERS LABORATORIES, INC., SHALL STANDARDS HAVE BEEN ESTABLI
	CONDUIT -CONCEALED BELOW FLOOR IN EMT OR UNDERGROUND IN PVC SCH 40 WITH IMC ELBOWS		THE SIZE A MAKE USE	ND LOCATIONS OF EQUIPMENT A OF ALL DATA IN ALL CONTRACT
	HOMERUN TO PERSPECTIVE PANEL OR CABINET –BRANCH CIRCUIT WITH OUT FURTHER DESIGNATION IS A #12 WIRE CIRCUIT		ALL REQUIR	IS SHALL BE COPPER CONDUCTO
$\smile$	FLEX NEUTRAL	6.		R, LINE VOLTAGE (50 VOLTS OR ITS SHALL BE SUPPORTED AND
$\geq$	TERMINAL CABINET GROUND CKT. WIRE			COMPONENTS FOR SUSPENDED HE BRACING/SUPPORT LOCATION
	PANEL BOARD -SEE SCHEDULE		PRE-APPRO	WALS FOR PIPING/DUCTS/CONDUID OSHPD STAFF. THE LAYOUT [
$\bigcirc$	MOTOR/EXHAUST FAN -N.I.E.SCONNECT AS REQUIRED		SEOR PRIOF	R TO STARTING INSTALLATION OF
$\ominus$	DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.	7.	DO NOT PE	NETRATE STRUCTURAL MEMBERS,
₽	QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.		SUCH MEME	DNSENT OF THE DISTRICT'S STRU BERS, NOTIFY THE DISTRICT IN V
•	HALF SWITCHED DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.	8.	ALL ELECTR	ICH MEMBERS. IICAL WORK SHALL CONFORM WI WITH N.F.P.A. STANDARDS AND T
₽	HALF SWITCHED QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.	9.		TO BE IN ACCORDANCE WITH RE
$\not $	FLOOR POWER RECEPTACLE -WALKER OR EQUAL	10.		STING CONSTRUCTION IS CUT, DA
€	30A4 WIRE GROUND RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.	11.	WORK SHAL	L BE EXECUTED IN A CAREFUL
	GFCI DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.	12.		) TO OCCUPANTS OF EXISTING E R SHALL ASSUME SOLE RESPON
$\boxtimes$	EQUIPMENT AND/OR CONTROL CONNECTION POINT. MAKE CONNECTION TO EQUIPMENT AS REQUIRED.		CONSTRUCT	ON SITE, IN ACCORDANCE WITH AFETY PROVISIONS OF THE LATE GENERAL CONTRACTORS OF AM
D	JUNCTION BOX – SINGLE GANG BOX	13.	CLEAN ALL	EXPOSED SURFACES AND NEW
₽	FUSED DISCONNECT SWITCH -SIZE AS NOTED -30A. SHOWN		DATA, CLOS	R TO COORDINATE WITH OWNERS ED CIRCUIT T.V., ETC.) AND ALL
HP	MOTOR RATED DISCONNECT SWITCH		UNLESS SP	IT SHALL BE TYPE EMT CONDUIT ECIFICALLY NOTED ON THE CONS
7	TELEPHONE OUTLET -SUTTLE, AT&T/LUCENT, OR EQUAL +18" ELSE WALL MOUNTED +48"	10.	SWITCHES II	DEVICES SUCH AS, BUT NOT LIM NSTALLED IN AREAS NOT RESTRI UM OF +15" AFF., AS MEASURE
7	COMBINATION TELEPHONE & DATA OUTLET -AT&T/LUCENT M-SERIES OR EQUAL +18"	17.	ALL CHANGI AND BE AC	AS MEASURED FROM THE TOP E ORDER PROPOSALS AND CHAN COMPANIED BY A DETAILED MATI
CR	CARDREADER / KEYCARD – SECURITY ENTRANCE ACCESS			BREAKDOWN SHALL INCLUDE ACT 'S BASE UPON THE MOST RECEI
	INTERCOM HANDSET -COMPATIBLE SPECIFIED SYSTEM +48"		WITHIN THE COSTS SHA	PUBLICATION FOR EACH SPECIF GENERAL CONDITIONS, BASED U LL INCLUDE ACTUAL CONTRACTOR
$\langle X \rangle$	FIXTURE IDENTIFICATION -LETTER INDICATES FIXTURE TYPE -NUMERAL INDICATES LAMP QUANTITY AND WATTAGE	18.	CHANGE OR ALL PERSOI	NNEL WORKING WITH ENERGIZED
•	PHOTO ELECTRIC CELL			TH ALL NFPA-70E AND OSHA R
Ŕ	DAYLIGHT CEILING SENSOR. WATTSTOPPER LMLS-400.	ELE	ECTRIC	CAL ABBREVIA
~ •>>	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER #LMDC-100.	∆ Y	W	ELTA CONNECTED YE CONNECTED
<u> </u>	WALL CORNER MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER	0		HASE
$\odot$	#LMDX-100.	A AC	Al	MPERES TERNATING CURRENT
\$3	SINGLE POLE TOGGLE SWITCH +48" AFF	ACT AFF		30VE COUNTERTOP/BACKSPL4 BOVE FINISHED FLOOR
53	TWO POLE TOGGLE SWITCH +48" AFF	AFF		LUMINUM
	THREE POLE TOGGLE SWITCH +48'' AFF		ROX AF	PPROXIMATE
	THREE POLE TOGGLE SWITCH +48 AFF p PILOT	1		
53	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR			
3 3	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER	AUT AUX ALT AWG	AL AL	JTOMATIC JXILIARY .TERNATE MERICAN WIRE GAUGE
β3 β3	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER #LMDM-101	AUX ALT AWG B	AL AL B/	JXILIARY _TERNATE MERICAN WIRE GAUGE ARE
β3 β3	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER	AUX ALT AWG B BC BKB	Al Al Bi Bi D Bi	JXILIARY _TERNATE MERICAN WIRE GAUGE ARE ARE COPPER GROUND ACKBOARD
3 3 )	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER #LMDM-101 MANUAL PULL STATION +48" A.F.F TYPICAL	AUX ALT AWG B BC BKB BRK BLD	Al Al B/ B/ B/ C B/ C B/ C B/ C B/ C B/ C B/	JXILIARY LTERNATE MERICAN WIRE GAUGE ARE ARE COPPER GROUND ACKBOARD REAKER UILDING
	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER #LMDM-101 MANUAL PULL STATION +48" A.F.F TYPICAL STROBE COMBINATION HORN/STROBE	AUX ALT AWG BC BC BKB BC BC C CAB	Al Al B/ B/ B/ C C C C/	JXILIARY TERNATE MERICAN WIRE GAUGE ARE ARE COPPER GROUND ACKBOARD REAKER UILDING ONDUIT OR CONTRACTOR ABINET
	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER #LMDM-101 MANUAL PULL STATION +48" A.F.F TYPICAL STROBE COMBINATION HORN/STROBE	AUX ALT AWG B BC BKB BLD C CAB CAT CKT	Al Al Al B/ B/ B/ C C C V C/ C/ C/ C/ C	JXILIARY TERNATE MERICAN WIRE GAUGE ARE ARE COPPER GROUND ACKBOARD REAKER UILDING ONDUIT OR CONTRACTOR ABINET ABLE TELEVISION IRCUIT
-	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER #LMDM-101 MANUAL PULL STATION +48" A.F.F. – TYPICAL STROBE COMBINATION HORN/STROBE SMOKE DETECTOR HEAT DETECTOR HEAT DETECTOR U UNDER FLOOR/PLATFORM	AUX ALT AWG B BC BKB BRK BLD C CAB CAT CKT CLG	Al Al Al B/ B/ B/ C( C( C) V C/ C/ Cl	JXILIARY TERNATE MERICAN WIRE GAUGE ARE ARE COPPER GROUND ACKBOARD REAKER UILDING ONDUIT OR CONTRACTOR ABINET ABLE TELEVISION IRCUIT EILING
	FOUR POLE TOGGLE SWITCH +48" AFF M OCCUPANCY SENSOR DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER #LMDM-101 MANUAL PULL STATION +48" A.F.F TYPICAL STROBE COMBINATION HORN/STROBE SMOKE DETECTOR HEAT DETECTOR DETECTOR SUBSCRIPTS: a ATTIC d DUCT	AUX ALT AWG B BC BKB BLD C CAB CAT CKT	Al Al Al B/ B/ B/ C( C( C) V C/ C  M C(	JXILIARY TERNATE MERICAN WIRE GAUGE ARE ARE COPPER GROUND ACKBOARD REAKER UILDING ONDUIT OR CONTRACTOR ABINET ABLE TELEVISION IRCUIT

ECTRICAL N	OTES			ELECTRICAL COMP	LIANC	CE NOTES		
	JTION AND COMP	SPORTATION AND ALL PERFORM ALL PLETION OF ALL ELECTRICAL WORK REQUIN THE SCOPE OF WORK.	UIRED		TIONS. ALL V	S TO CONSTRUCT THE PROPOSED BUILDI VORK PERFORMED UNDER THIS CONTRACT E:		
		IENTS AND SHALL BEAR THEIR LABEL VICE IS REGULARLY FURNISHED BY THA	т	2022 CALIFORNIA ADMINISTRATIVE CODE				
NS OF EQUIPMENT ARE SHA IN ALL CONTRACT DOCU E COPPER CONDUCTORS T TS SHALL BE PROVIDED BY TAGE (50 VOLTS OR MORE BE SUPPORTED AND BRACE S FOR SUSPENDED UTILITIE /SUPPORT LOCATIONS AND PIPING/DUCTS/CONDUITS E STAFF. THE LAYOUT DRAWIN ING INSTALLATION OF THE TISFIED. RUCTURAL MEMBERS, INCLU THE DISTRICT'S STRUCTURA Y THE DISTRICT IN WRITING RS.	Hown to scale Ments and ver YPE as noted ( E.C. Low Volt E) Shall be by ED PER OPM #0 ES'' FOR PIPES O REFERENCES TO XCEPT FIRE SPR IGS NEED TO BE BRACING/SUPPO UDING BEAMS, C AL ENGINEER. SH G WITHOUT DELA	WHEREVER POSSIBLE, CONTRACTOR SH IFY THIS INFORMATION AT THE SITE. ON CONSTRUCTION DOCUMENTS. TAGE WIRING SHALL BE BY MECHANICAL	ALL ISMIC S, USE BY R AND R AND R TRATE SUCTION	PART 1, TITLE 24, CALIFORNIA CC 2022 CALIFORNIA BUILDING CODE (CBC PART 2, TITLE 24, CCR BASED ON THE 2021 INTERNATION 2022 CALIFORNIA ELECTRICAL CODE (C PART 3, TITLE 24, CCR BASED ON THE 2020 NATIONAL E 2022 CALIFORNIA MECHANICAL CODE ( PART 4, TITLE 24, CCR BASED ON THE 2021 UNIFORM M 2022 CALIFORNIA PLUMBING CODE (CF PART 5, TITLE 24, CCR BASED ON THE 2021 UNIFORM P 2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2021 INTERNATION 2022 NFPA 72, NATIONAL FIRE ALARM w/ CALIFORNIA AMENDMENTS.	DDÈ OF REGI NAL BUILDING EC) (LECTRICAL C CMC) (ECHANICAL ( C) LUMBING CO & SIGNALIN	G CODE (IBC) CODE (NEC) CODE (UMC) DE (UPC) DE (IFC)	er to the lat	EST EDITION
A. STANDARDS AND THE ST	ATE FIRE MARSH			OR REVISION IN EFFECT ON THE DATE	OF THE CON IS CONTRARY	TRACT. NOTHING ON THE DRAWING IS TO 7 TO THE ABOVE LISTED CODES AND REG	D BE CONSTRU	ED AS
TRUCTION IS CUT, DAMAGEI IANCE.	D, OR REMODELE	ED, PATCH WITH MATERIALS TO MATCH I	N KIND,					
		R WITH THE LEAST POSSIBLE DISTURBAN	NCE TO					
I ACCORDANCE WITH APPLI VISIONS OF THE LATEST MA CONTRACTORS OF AMERICA.	CABLE LAWS ANI ANUAL OF ACCID	OF ALL PERSONS ON OR ABOUT THE O CODES. GUARD ALL HAZARDS IN ACCO ENT PREVENTION PUBLISHED BY THE	ORDANCE					
	OORS (SUCH AS,	BUT NOT LIMITED TO: SECURITY, PHON	IES,					
T.V., ETC.) AND ALLOW AC E TYPE EMT CONDUIT UNLE NOTED ON THE CONSTRUC	ESS OTHERWISE	NOTED. TYPE MC CABLE SHALL NOT B	BE USED					
CH AS, BUT NOT LIMITED T I AREAS NOT RESTRICTED	TO, TELE/DATA C TO AUTHORIZED DM THE BOTTOM	OUTLETS, RECEPTACLE OUTLETS AND LIG MAINTENANCE PERSONAL SHALL BE MO OF THE DEVICE OUTLET BOX, AND MAX	UNTED					
ROPOSALS AND CHANGE OF BY A DETAILED MATERIALS SHALL INCLUDE ACTUAL M ON THE MOST RECENT NEC N FOR EACH SPECIFIC TAS CONDITIONS, BASED UPON ACTUAL CONTRACTOR INVO	RDERS, BOTH AD AND LABOR BR IATERIALS COSTS CA MANUAL OF I SK AND ITEM. LA THE NECA LABOR DICE PLUS NO M	DITIVE AND DEDUCTIVE, SHALL BE BASE EAKDOWN FOR EACH SPECIFIC TASK AN PLUS OVERHEAD AND PROFIT, AS WEL ABOR UNITS (NECA INDEX #4090) OR BOR COSTS SHALL BE COMPUTED AS O R TABLES FOR EACH TASK REQUIRED. N ORE THAN 15% MARKUP. THE OWNER A SEDURE, FOR BOTH ADDITIVE AND DEDUC	ID/OR L AS DUTLINED MATERIALS AND					
		IE RESTRICTED ZONE PER NFPA-70E S ARC FLASH SAFETY CERTIFIED.	HALL					
ABBREVIATIO	DNS							
IECTED CTED	CR CT CU DC	CONTROL RELAY CURRENT TRANSFORMER COPPER DIRECT CURRENT	HI HV HVAC	HIGH HIGH VOLTAGE HEATING, VENTILATION, AIR CONDITIONING	NAC NC NL	NOTIFICATION APPLIANCE CIRCUIT NORMALLY CLOSED NIGHT LIGHT	SW SWD SP STD	SWITCH SWITCHED SPARE STANDARD
CURRENT NTERTOP/BACKSPLASH	DISC DIST	DISCONNECT DISTRIBUTION	IDF INCAN	INTERMEDIATE DISTRIBUTION FRAME INCANDESCENT	OC OH OL	ON CENTER OVERHEAD THERMAL OVERLOAD RELAY	STR SWBD	STRANDED SWITCHBOAR
HED FLOOR -	(E) EC EL, ELEV	EXISTING ELECTRICAL CONTRACTOR ELEVATION	INST KV	INSTANTANEOUS KILOVOLTS	OT OSHPD	OVER TEMPERATURE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT	TEL TEMP TH	TELEPHONE TEMPERATUR THERMOSTAT
-	ELECT EMT	ELECTRICAL ELECTRICAL METALLIC TUBING	KVA KW	KILOVOLT AMPERES KILOWATTS	PA PB	PUBLIC ADDRESS PULL BOX	TRANSF TYP TSP	TRANSFORME TYPICAL TWISTED SHI
IRE GAUGE	EOL ENCL EP	END OF LINE ENCLOSURE EXPLOSION PROOF	LB LF LV	ELBOW LINEAR FEET	PNL PH	PANEL PHASE	UG	UNDERGROU
ER GROUND	EQUIP ETC	EQUIPMENT ET CETERA	LV M MAX	LOW VOLTAGE MOTOR MAXIMUM	PRI PS PWR	PRIMARY PRESSURE SWITCH POWER	UNO V	UNLESS NOT
	EVAP	EVAPORATOR	MCA	MINIMUM CIRCUIT AMPS	(R)	REMOVE(D)	VA	VOLT AMPS

MECH MECHANICAL

MIN

MSB

Ν

(N)

NA

MFG MANUFACTURER

MINIMUM

MPOE MAIN POINT OF ENTRY

NEUTRAL

NEW

MAIN SWITCHBOARD

NON-AUTOMATIC

MCC MOTOR CONTROL CENTER

MCM THOUSAND CIRCULAR MILLS

(F)

FA

FACP

FLA

FLEX

FLUOR

FS

GALV

GND

GC

FUTURE

FIRE ALARM

FLEXIBLE

FLUORESCENT

FLOW SWITCH

GALVANIZED

GENERAL CONTRACTOR

GROUND

FULL LOAD AMPS

FIRE ALARM CONTROL PANEL

(R) RA

REQD

RGP

RM

SCH

SEC SIG

REMOVE(D)

REQUIRED

REQMTS REQUIREMENTS

RECP RECEPTACLE

ROOM

SCHEDULE

SIGNAL

SPECS SPECIFICATIONS

REMOTE ANNUNCIATOR

SECONDS, SECONDARY

REDUNDANT GROUND PATH

TCHED **ARE** NDARD RANDED ITCHBOARD EPHONE **MPERATURE** ERMOSTAT ANSFORMER PICAL ISTED SHIELDED PAIR DERGROUND ILESS NOTED OTHERWISE TS VOLT AMPS VARIABLE FREQUENCY DRIVE VOLT METER

VFD

VM

W/

W/O

WP

WM

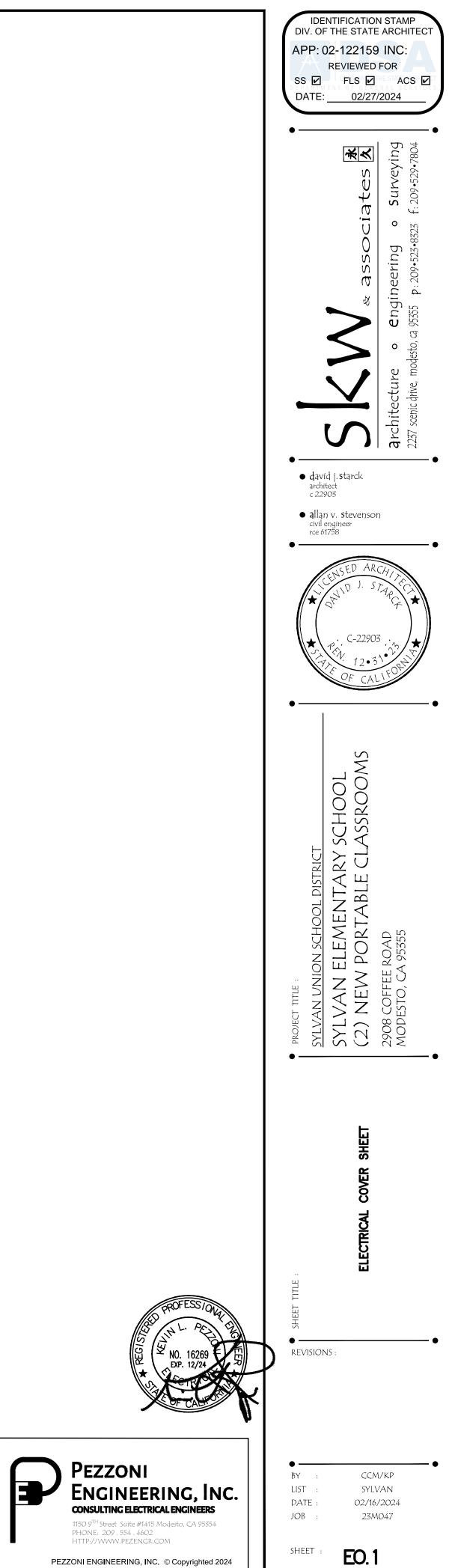
WH

(XR)

WHD

WITH WITHOUT WEATHERPROOF WATT HOUR DEMAND METER WATT METER WATER HEATER

XFMER TRANSFORMER REMOVE AND RELOCATE(D)

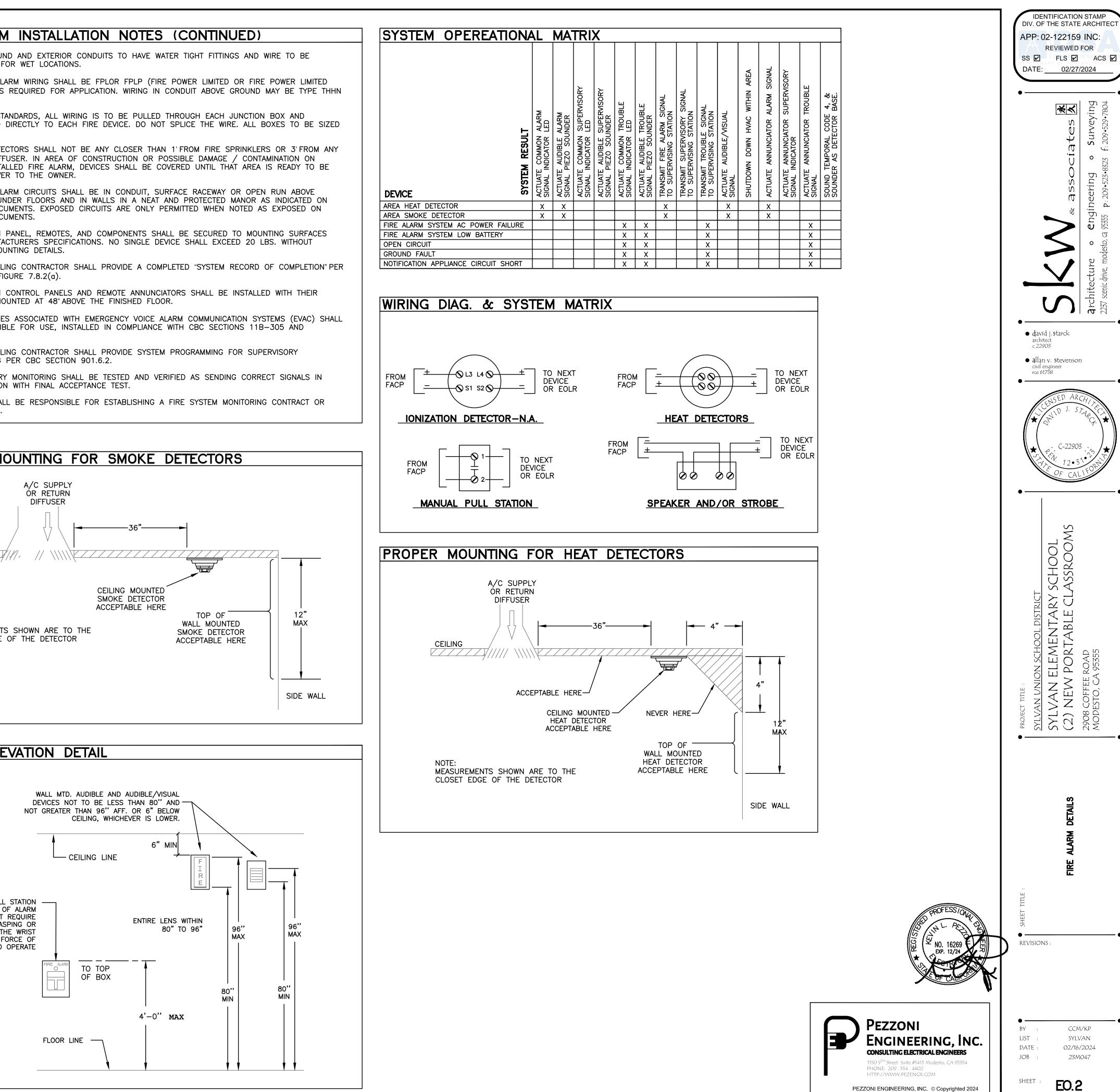


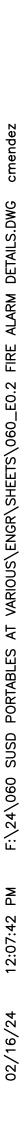
CONSULTING ELECTRICAL ENGINEERS

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	E ALARM INSTALLATION NOTES	FIRE ALAF	
	THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE.	28. UNDERGRO APPROVED	
	ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE DSA INSPECTOR OF RECORD & LOCAL FIRE AUTHORITY.	30. ALL FIRE PLENUM) OR THWN.	AS
	ALL DRAWINGS ARE DIAGRAMMATICAL.	31. PER CEC	
4.	ON FACTORY PROVIDED BACK BOXES, NO ENLARGEMENTS TO THE STANDARD KNOCKOUTS SHALL BE MADE. NOR MAY THE INSTALLER ATTACH CONDUIT TO A NON-FACTORY PROVIDED KNOCKOUT WITHOUT THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER.	CONNECTE PER CEC. 32. SMOKE DE	
5.	ALL FIRE ALARM DATA COMMUNICATIONS, AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS OF A SIZE AS PER SPECIFICATIONS OR THE LOCAL ENFORCING AGENCY, WHICHEVER IS MORE STRINGENT SHALL APPLY.	S2. SMOKE DE SUPPLY D NEWLY INS TURNED C	)IFF STAI
	ALL FIRE ALARM CIRCUITS ARE CONTINUOUS FROM DEVICE TO DEVICE, SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS.	33. ALL FIRE CEILINGS, DESIGN D	UN
7.	COLOR CODING SHALL BE AS FOLLOWS: A. INITIATING CIRCUITS (CONVENTIONAL SYSTEMS ONLY) I.E. MANUAL PULL STATIONS, DETECTOR. B. WATER FLOW SWITCHES, ETC. INDICATING CIRCUITS I.E. BELLS, HORNS, STROBE -BLACK	DESIGN DO 34. FIRE ALAR PER MANU	
	UNITS, ETC. C. POWER FOR AUXILIARY DEVICES I.E. DOOR HOLDERS, 4-WIRE SMOKE DETECTORS POWER, REMOTE RELAYS, -BLACK	35. THE INSTA NFPA 72,	ALLI
	DAMPERS, EXHAUST FANS, ETC. D. ANNUNCIATION DEVICES I.E. REMOTE LAMPS, {+PURPLE ANNUNCIATORS, ETC. {-BLACK	36. FIRE ALAR BOTTOMS	
8.	CABLING REQUIREMENTS: A. ALL CONDUCTORS SHALL BE TYPE THWN #14 -AMERICAN WIRE GAUGE. THWN INSULATION TYPE (MOISTURE & HEAT RESISTANT THERMOPLASTIC) SUITABLE FOR DRY & WET LOCATIONS	37. MICROPHO BE ACCES 11B-308.	SIB
	B. ALL CONDUCTORS SHALL BE SOLID COPPER; STRANDED CONDUCTORS ARE PROHIBITED.	38. THE INSTA	
	C. ALL CONDUCTORS SHALL BE BRADY OR EQUALLY LABELED.	39. SUPERVIS	
1 1	D. ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT NO OPEN WIRING. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO MAINTAIN AND UPDATE HIS		
11.	CONSTRUCTION DRAWINGS WITH A HIGH DEGREE OF ACCURACY. MANUFACTURER/CONTRACTOR WILL PROVIDE RECORD DRAWINGS FOR THE PROJECT BASED ON THE INFORMATION CONTAINED THEREIN.	40. OWNER SH PROVISION	
12.	FIRE ALARM CONTRACTOR TO VERIFY THAT AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15dBA ABOVE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS NFPA 72 SEC. 18.4.4.1.		
13.	FIRE ALARM CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS.	PROPER I	<u>N</u>
14.	POWER CIRCUITS SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH RED MARKING, WITH LOCK OUT DEVICE, AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".		
15.	STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND AND NOT LESS THAN ONE FLASH PER SECOND.		
16.	AUDIBLE SIGNALS INTENDED FOR OPERATION N THE PUBLIC MODE SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 75dBA AT 10 FEET AND NO MORE THAN 110dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE PER CEC 3501.1.		$ \ge $
17.	FINAL FIRE ALARM TESTS SHALL BE CONDUCTED WITH DSA INSPECTOR OF RECORD PRESENT. THE LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF THE DATE AND TIME OF THE FINAL TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WE ABLE.		
18.	THE AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, AND AS AMENDED BY ARTICLE 91. THE SUPERVISORY STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UL OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.	NOTE: MEASUREME	INTS
19.	INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.	CLOSET EDO	ĴΕ
20.	A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.		
21.	ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.		
22.	DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.		
23.	ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.	DEVICE EI	<u>_E</u>
24.	THE ENTIRE LENS OF WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL OCCUR BETWEEN +80" MINIMUM AND +96" MAXIMUM FROM FINISHED FLOOR.		
25.	WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.		
26.	AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN, EXCEPT CARBON MONOXIDE ALARM, WHICH SHALL BE TEMPORAL CODE 4 PATTERN.		
27.	THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.		
		MANUAL P – ACTIVATIOI SHALL N TIGHT G TWISTING OF	N C IOT RAS
		WITH MAXIMUM 5 LBS.	/ F(





**REVIEWED FOR** 

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C-22903

CHOOL ASSROOMS

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STO,

CCM/KP

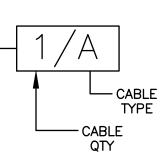
sylvan

02/16/2024

23M047

EO.2

# CABLE DESIGNATIONS



NOTE: REFER TO CABLE SCHEDULE FOR CABLE TYPE SPECIFICATIONS

WIRE/CABLE COLOR CODING								
CIRCUIT	THHN/TH	WN WIRE	NON-CONDUIT CABLE					
TYPE	+	_	– JACKET		_			
IDC	RED	BLACK	RED	RED	BLACK			
SLC	N/A	N/A	RED	RED	BLACK			
24V	RED	BLACK	RED	RED	BLACK			
DOOR HOLDERS	PINK	PURPLE	RED	RED	BLACK			
		NAC (2	–WIRE)					
HORN/ STROBE	WHITE	BLUE	RED	RED	BLACK			
		NAC (4	–WIRE)					
HORN	WHITE	BLUE	RED	RED	BLACK			
STROBE	YELLOW	BROWN		BROWN	BLUE			
TAGGED J-BOX,	STROBE   YELLOW   BROWN   BROWN   BLUE							

2: NOT ALL CABLES ARE USED ON ALL JOBS.

	MIS	CELLANEOUS SYME	BOLS AND	) ABE	BREVIATIONS
SYM./ABBREV.	PART #	DESCRIPTION	SYM./ABBREV.	PART #	DESCRIPTION
Ū	(FBO)	JUNCTION BOX	EOLR (FBEC)		END-OF-LINE RELAY FURNISHED BY ELECTRICAL CONTRACTOR
STB	(FBO)	SIGNAL TERMINAL BACKBOARD	(FBFS) (FBMC)		FURNISHED BY FIRE SPRINKLER CONTRACTOR FURNISHED BY MECHANICAL CONTRACTOR
FTC	(FBO)	FIRE TERMINAL CABINET	(FBO) FSR		FURNISHED BY OTHERS FIRE SPRINKLER RISER
	(FBO)	2#12, 1#12G THHN/THWN IN CONDUIT	IDC		INITIATING DEVICE CIRCUIT (HARDWIRED INITIATION CIRCUIT/ZONE)
$\longleftrightarrow$	(FBO)	MECHANICAL UNIT	(N) N/A	N/A	NEW NOT APPLICABLE
$\boxtimes$	(FBO)	UNDERGROUND PULLBOX	NAC		NOTIFICATION APPLIANCE CIRCUIT (SIGNALING CIRCUIT)
(X)	N/A	FUSE/FUSE BLOCK (X = AMPERAGE)	NC NO		NORMALLY CLOSED NORMALLY OPEN
	N/A	END-OF-LINE RESISTOR	PIV		POST INDICATOR VALVE
120V AFF		120VAC POWER ABOVE FINISHED FLOOR	SLC		SIGNALING LINE CIRCUIT (ADDRESSABLE INITIATION LOOP)
C, COM	] N/A	COMMON	TYP.		TYPICAL
(E)		EXISTING	UON		UNLESS OTHERWISE NOTED
EOL		END-OF-LINE RESISTOR	Z		ZONE

		CAB	LE	SCH	EDULE
TYPE	DESCRIPTION	l			
		C	ABLES	S INSTALL	ED IN CONDU
Α	WEST PENN D980 (2#18 SOL, UTP, FPLR	)			SLC (ADDRESSA
AE	WEST PENN AQC224 (2#18 SOL, UTP, FP				SLC (ADDRESSA
В	WEST PENN D994S (2#14 SOL, UTP, FPL	R)			NAC (SIGNALING
BW	WEST PENN AQC226 (2#14 SOL, UTP, FP				NAC (SIGNALING
С	WEST PENN D990S (2#16 SOL, UTP, FPL	, R)			SPEAKER INTERI
CW	WEST PENN AQC225 (2#16 SOL, UTP, FP	L)			SPEAKER EXTER
F	8 STRAND FIBER OPTIC CABLE 62.5um M	ULTI-MODE			FIBER OPTIC CA
Р	WEST PENN 990S				SUPERVISED PO
PW	WEST PENN AQC225 (2#16 SOL, UTP, FP	L)			SUPERVISED PO
М	WEST PENN D994S (2#14 SOL, UTP, FPL	R)			MONITOR WIRING
Ν	2#14 THHN/THWN SOL				NAC (SIGNALING
	CABLE	DES	SCF	RIPTIC	ON ABB
ABBREV.	DEFINITION	ABBREV.		D	EFINITION
FPL	FIRE ALARM POWER-LIMITED	0S	OVERA	ALL SHIELDED	CABLE
FPLP	FIRE ALARM POWER-LIMITED, PLENUM	SOL	SOLID	CONDUCTOR	
FPLR	FIRE ALARM POWER-LIMITED, RISER	STR	STRAN	DED CONDU	CTOR

FIRE ALARM SYSTEM EQUIPMENT LIST									
04400	DADT //	DECODIDITION				BACKBOX*			
SYMBOL	PART #	DESCRIPTION	MANUFACTURER	CSFM #	MOUNTING	SIZE*	TRIM RING*		
FACP	XLVS	MAIN FIRE ALARM CONTROL PANEL W/VOICE	SIEMENS	7165–0067:0222 6912–0067:0237	EXISTING	MFG. BOX	N/A		
NAC	PAD-3	NAC EXPANDER/POWER SUPPLY	SIEMENS	7300–0067:0218	EXISTING	MFG. BOX	N/A		
R	XTRI-M	INPUT MODULE	SIEMENS	7300–0067:0501	SURFACE	4" SQ DP	N/A		
8	FDOT421 DB-11	SMOKE DETECTOR SENSOR BASE	SIEMENS SIEMENS	7272-0067:0258 7272-0067:0134	FLUSH	4" SQ DP	4-0		
۵a	5604	HEAT DETECTOR (190degF FIXED) ATTIC MOUNTED	SYSTEM SENSOR	7270–1653:0167	FLUSH	4" SQ DP	4-0		
	SL2SPSWR-F	INDOOR WALL SPEAKER/STROBE (##cd=DENOTES CANDELA RATING & #.#w DENOTES WATTAGE SETTING)	SIEMENS	7320–0067:0517	FLUSH	4" SQ DP	N/A		
	SETSF-VR w/WBBS-R	OUTDOOR SPEAKER DEVICE (#.#w DENOTES WATTAGE SETTING)	SIEMENS	7320–0067:0255	SURFACE	MFG. BOX	N/A		

NOTES:

 ALL REQUIRED BACKBOXES, TRIM RINGS, ENCLOSURES, COVER PLATES, ETC. ARE TO BE PROVIDED AND INSTALLED BY CONTRACTOR UNLESS SPECIFICALLY NOTED ABOVE. 2. ANY DEVIATION FROM LISTED EQUIPMENT SHALL BE APPROVED BY THE OWNER PRIOR TO "ROUGH-IN".

			STAND-BY	ALARM	STAND-BY	ALARM
MODULE/DEVICE		QUAN.	LOAD	LOAD	LOAD	LOAD
CONTROL PANE	Ľ	1	135.0 mA	293.0 mA	135.0 mA	293.0 mA
(E) DEVICES						
STROBE 15cd		1	0.0 mA	69.0 mA	0.0 mA	69.0 mA
STROBE 30cd		1	0.0 mA	111.0 mA	0.0 mA	111.0 mA
COMBO 30cd		2	0.0 mA	111.0 mA	0.0 mA	222.0 mA
COMBO 75cd		1	0.0 mA	200.0 mA	0.0 mA	200.0 mA
(N) DEVICES						
COMBO 75cd		2	0.0 mA	60.0 mA	0.0 mA	120.0 mA
			0.0 mA	0.0 mA	0.0 mA	0.0 mA
			0.0 mA	0.0 mA	0.0 mA	0.0 mA
			0.0 mA	0.0 mA	0.0 mA	0.0 mA
			0.0 mA	0.0 mA	0.0 mA	0.0 mA
				TOTAL =	135.0 mA	1015.0 m/
24hrs. IN STANDBY	24hr	(0 1 7 E A) -	3.240 AH			
15mins. ALARM	24nr	(0.135 A) =	J.240 AH			
I JITIITS, ALAINM	0.250hr	(1 0 15 A) =	0.254 AH			
	0.20011	· · · · · ·	<u> </u>			
		AT 125% =	4.367 AH			
PRESENT PWR SUPPLY:			7.00 AH (	(SEALED)		
FUTURE CAPACITY IS:			2.63 AH	· ·		

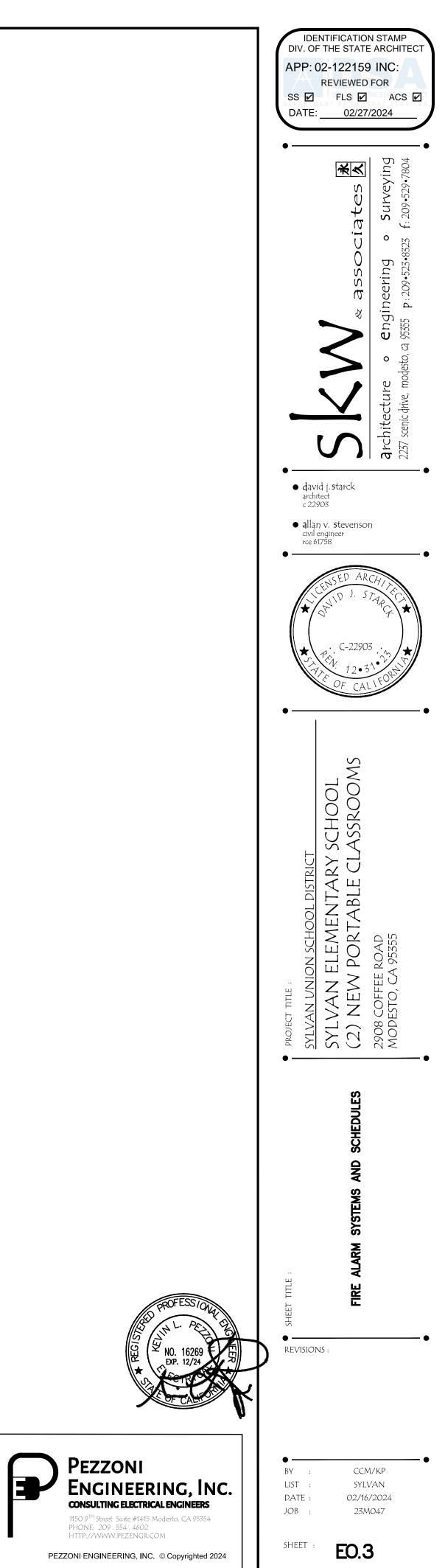
#### USE CABLES INSTALLED IN CONDUIT SLC (ADDRESSABLE LOOP) INTERIOR SLC (ADDRESSABLE LOOP) EXTERIOR NAC (SIGNALING CIRCUIT) INTERIOR NAC (SIGNALING CIRCUIT) EXTERIOR SPEAKER INTERIOR SPEAKER EXTERIOR FIBER OPTIC CABLE NETWORK I-MODE SUPERVISED POWER INTERIOR SUPERVISED POWER EXTERIOR MONITOR WIRING NAC (SIGNALING CIRCUIT) DES

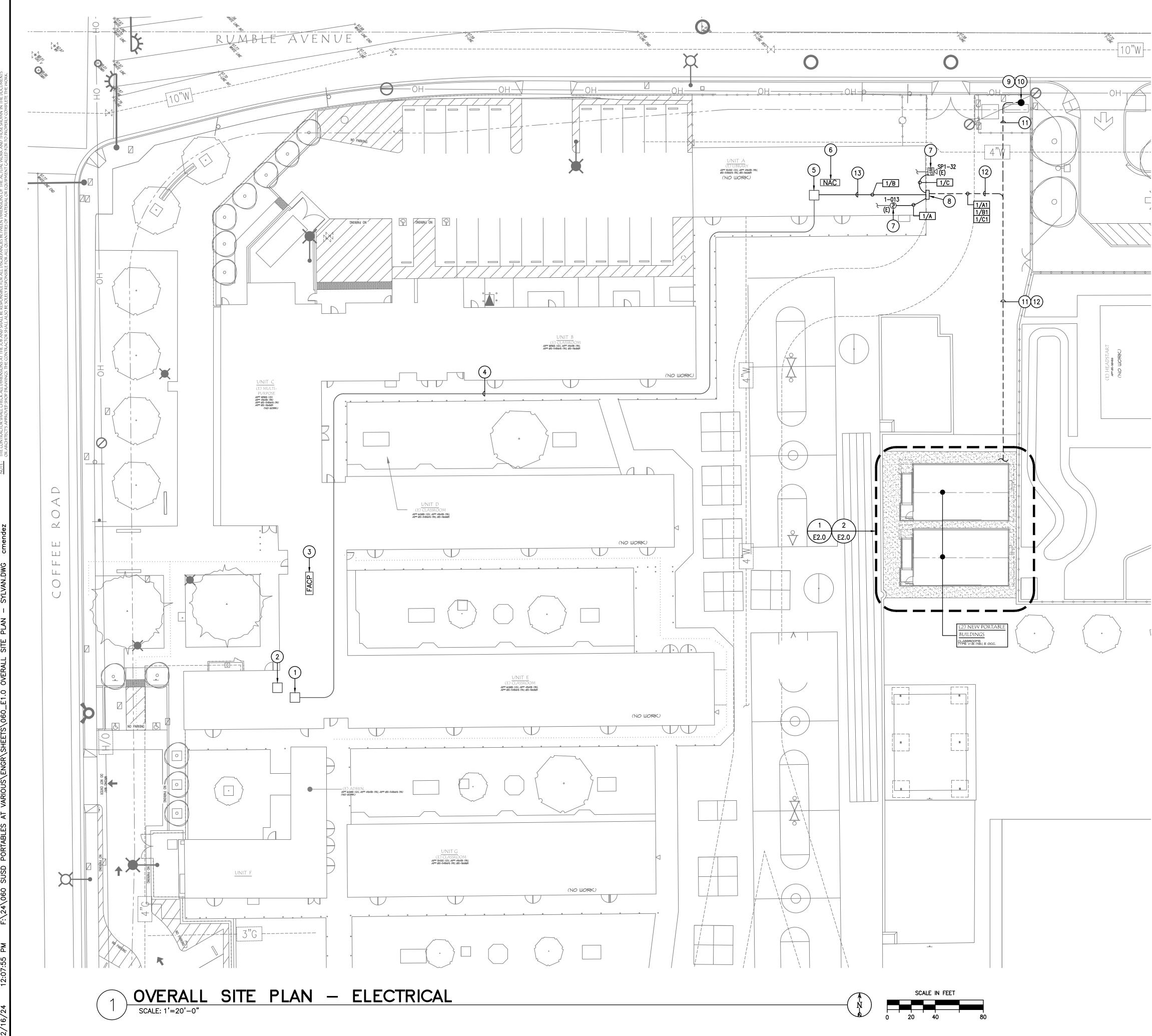
DES	CRIPTION ABBRE		ONS	
ABBREV.	DEFINITION	ABBREV.	DEFINITION	
OS	OVERALL SHIELDED CABLE	STP	SHIELDED TWISTED PAIR	
SOL	SOLID CONDUCTOR	US	UNSHIELDED CABLE	
STR	STRANDED CONDUCTOR	UTP	UNSHIELDED TWISTED PAIR	

			CABLE		
	NODE	CURRENT	LENGTH (x2)	AWG	CIRC. M.
	1	0.120 A	512'	14	4110
	2	0.060 A	96'	14	4110

VOLTAGE DROP

С	IRCUIT:	S2				
,	VOLTAGE:	24.0 V				
TO	TAL V.D.:	0.179 V				
	% DROP:	0.75%				
OHN	I/FT	V.D.				
0.00	)267	0.164 V				
0.00	0267	0.015 V				





# ## PLAN NOTES:

- 1. BOGEN QUANTUM HEADEND -CONNECT (N) SPEAKERS WITHIN (N) PORTABLES.
- 2. (E) CAMPUS MDF.
- (E) MAIN FACP AT MAIN OFFICE W/(E) MICROPHONE & CONNECTIONS TO UL CENTRAL STATION.
- 4. APPROXIMATE ROUTING OF COMMUNICATION PATHWAYS -INSTALL (N) CABLES AS REQD.
- 5. (E) IDF W/(N) PATCH PANEL & CAT-6 CABLES TO (N) PÓRTABLES ` 6. (E) FIRE ALARM NAC BOOSTER PANEL -SEE FIRE ALARM
- RISER DIAGRAM FOR ADDITIONAL DETAILS 7. (E) FIRE ALARM DEVICES TO EXTEND (E) CKT TO (N) DEVICES AT (N) PORTABLES
- 8. (N) J-BOX & 2-2"C W/SIGNAL, DATA, & FIRE ALARM CABLES -SEE DETAIL 6/E3.1.
- 9. (E) MSB W/SPARE BREAKERS -SEE SINGLE LINE DIAGRAM FÓR ADDITIÓNAL REQMTS.
- 10. STUB (N) 2- 1 1/2"C W/FEEDERS INTO (E) GUTTER
- 11. (N) 2- 1 1/2"C W/FEEDERS TO PORTABLES PER THE SINGLE LINE DIAGRAM -INSTALL PER DETAIL 4/E3.1. 12. (N) 2–2"C W/SIGNAL, DATA, & FIRE ALARM CABLES –INSTALL PER DETAIL.
- 13. ROUTE (N) LOW VOLTAGE CABLE ON (N) & (E) J–HOOK ABOVE (E) SUSPENDED CEILING.

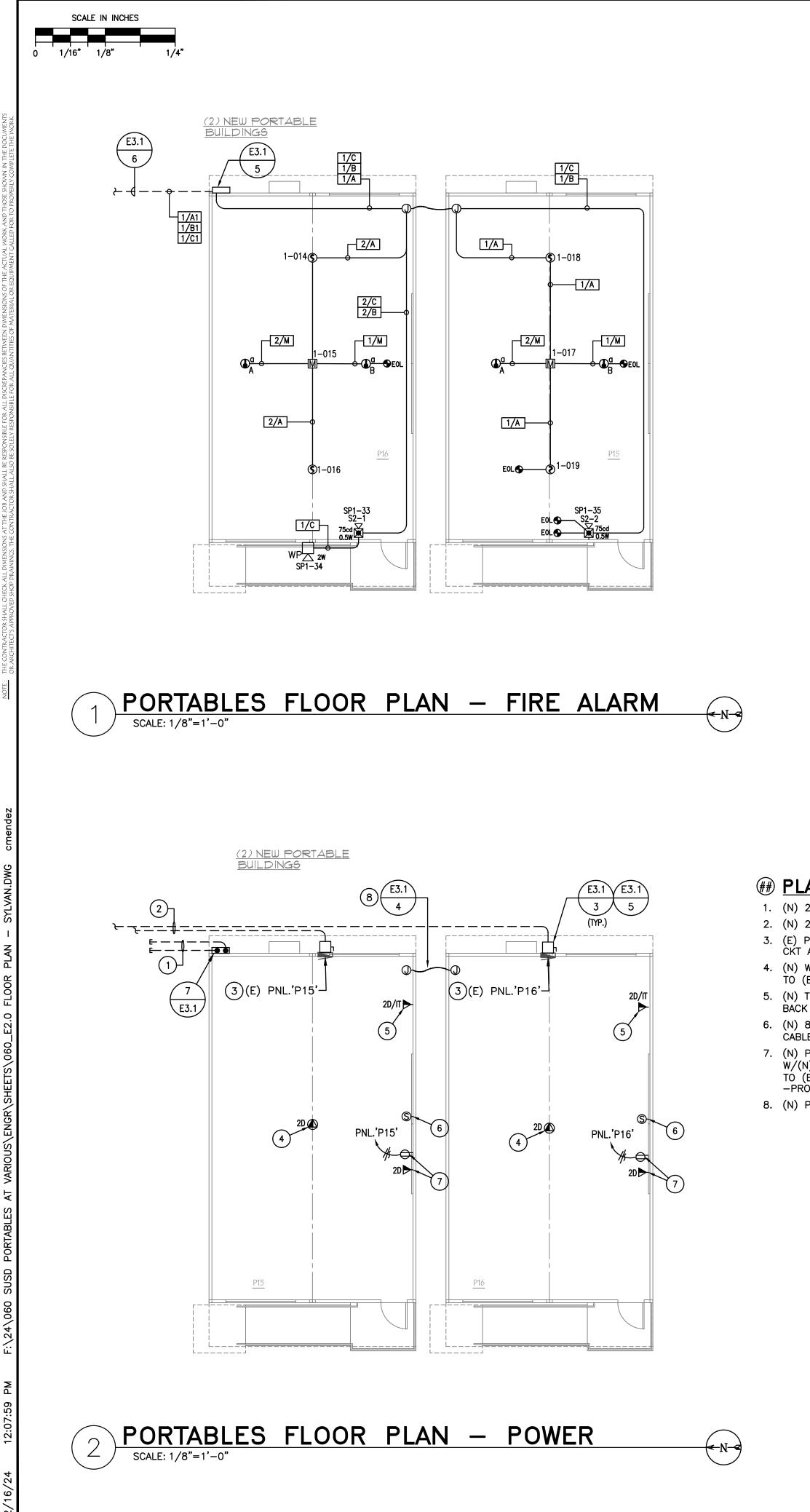


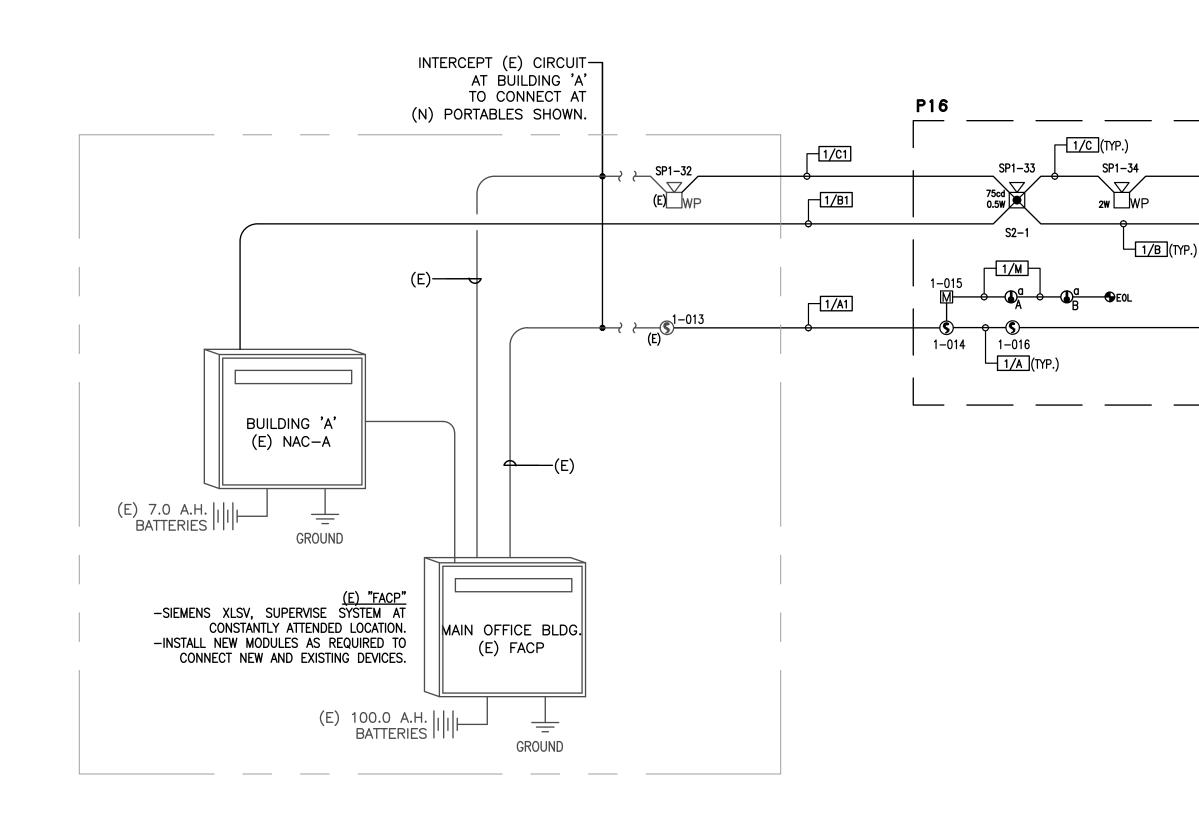
Pezzoni

ENGINEERING, INC. CONSULTING ELECTRICAL ENGINEERS

1150 9<sup>TH</sup> Street Suite #1415 Modesto, CA 95354 PHONE: 209 . 554 . 4602 HTTP://WWW.PEZENGR.COM

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#### FIRE ALARM RISER DIAGRAM 3 SCALE: NTS

## # PLAN NOTES:

1. (N)  $2-2^{\prime\prime}C$  W/ COMM CABLES AS REQD.

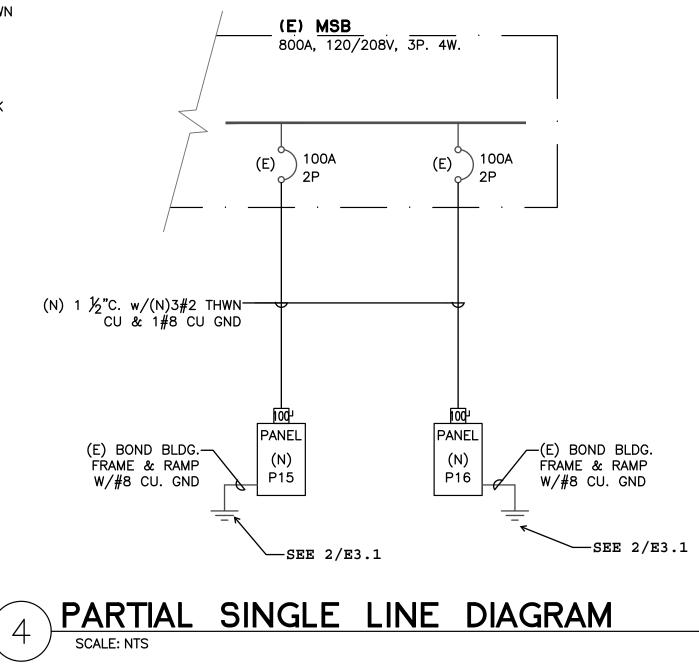
2. (N) 2-1 1/2"C W/PORT FEEDERS PER SINGLE LINE DIAGRAM. 3. (E) PNL W/BLDG --INSTALL (N) 20A--1P BREAKER FOR (N) PROJECTOR CKT AS SHOWN.

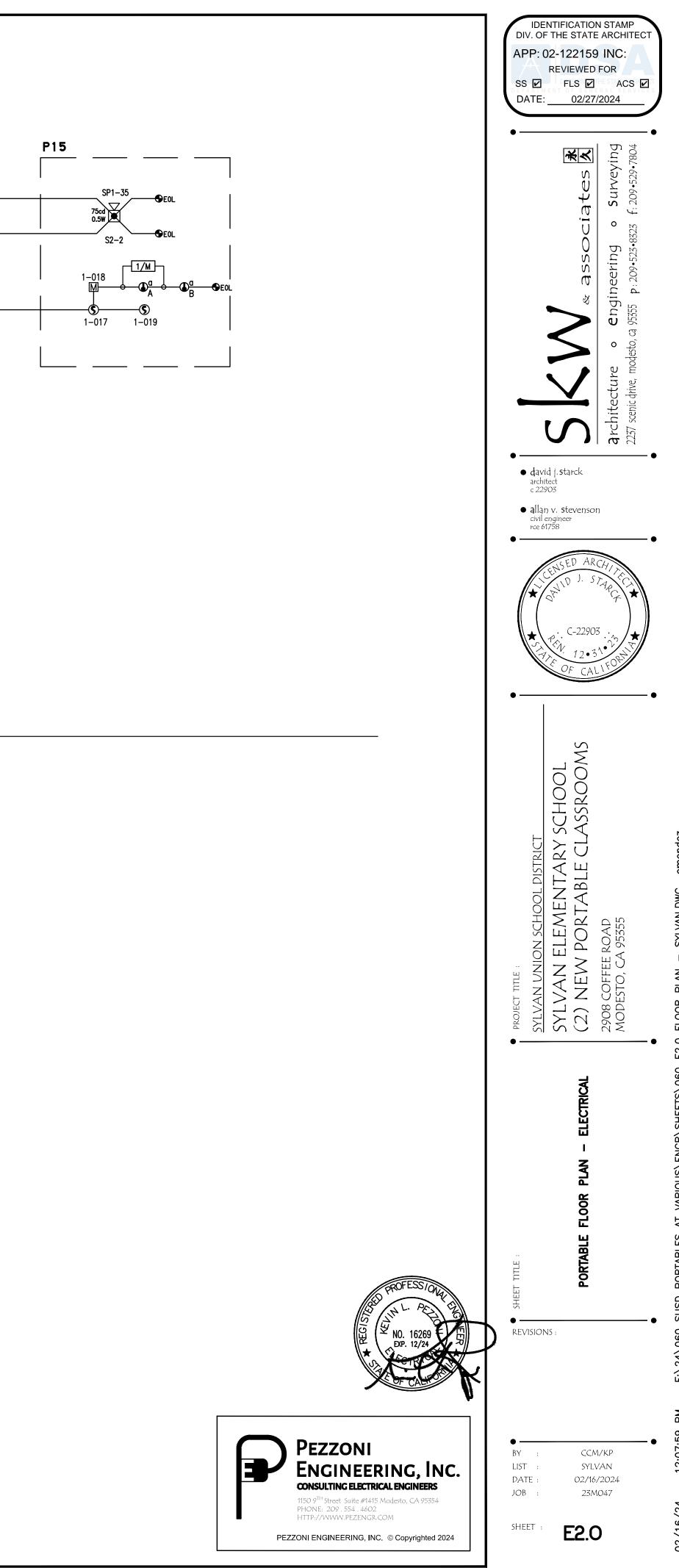
4. (N) WIRELESS ACCESS POINT W/CAT-6 DATA CABLES AS SHOWN BACK TO (E) BLDG 'A' -PROVIDE WET LISTED CABLE THROUGHOUT 5. (N) TEACHER WORKSTATION W/CAT-6 DATA & TELE CABLES AS SHOWN BACK TO (E) BLDG 'A' -PROVIDE WET LISTED CABLE THROUGHOUT 6. (N) 8" SURFACE MOUNTED SPEAKER W/XFMER W/2C/16AWG STP

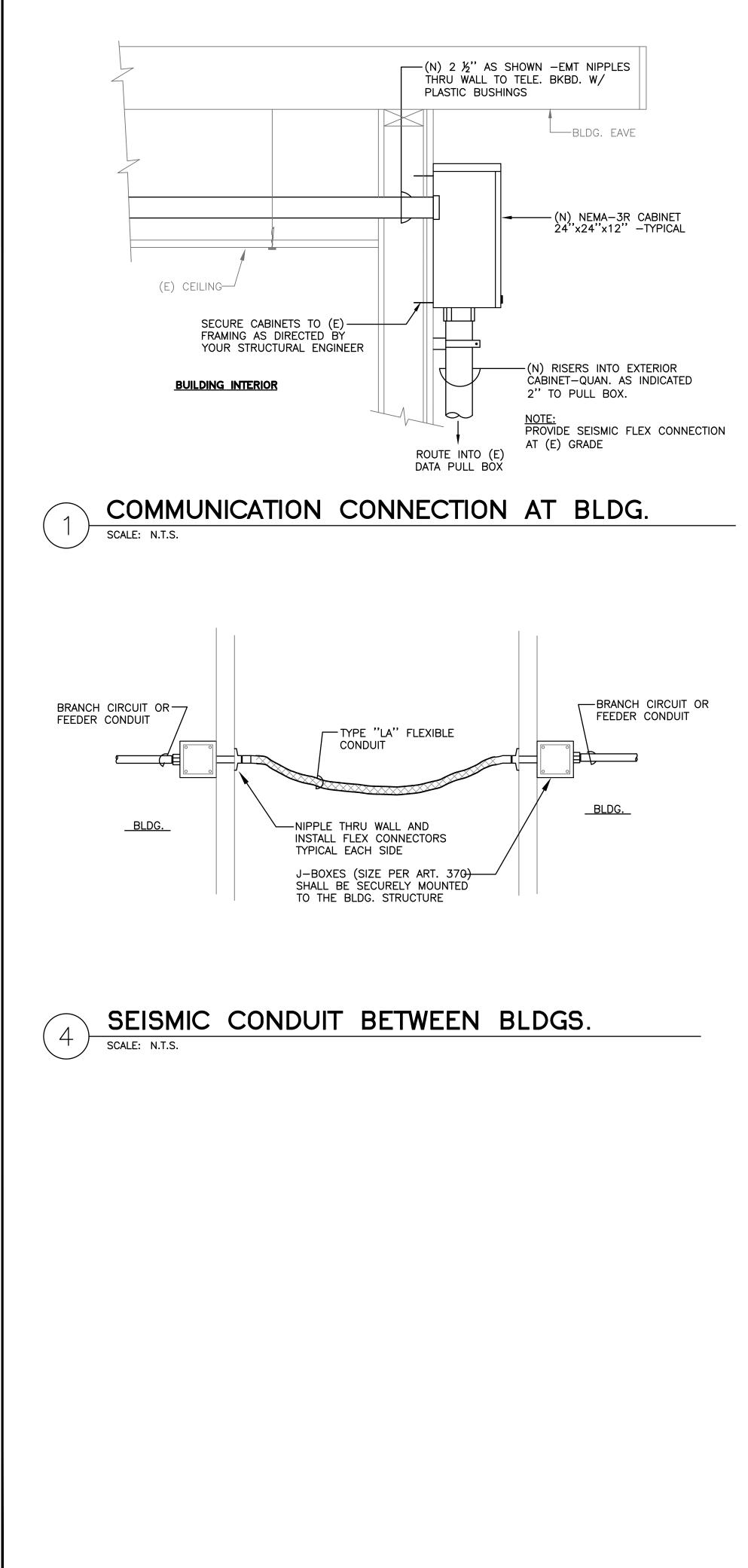
CABLE TO (E) BOGEN HEADEND.

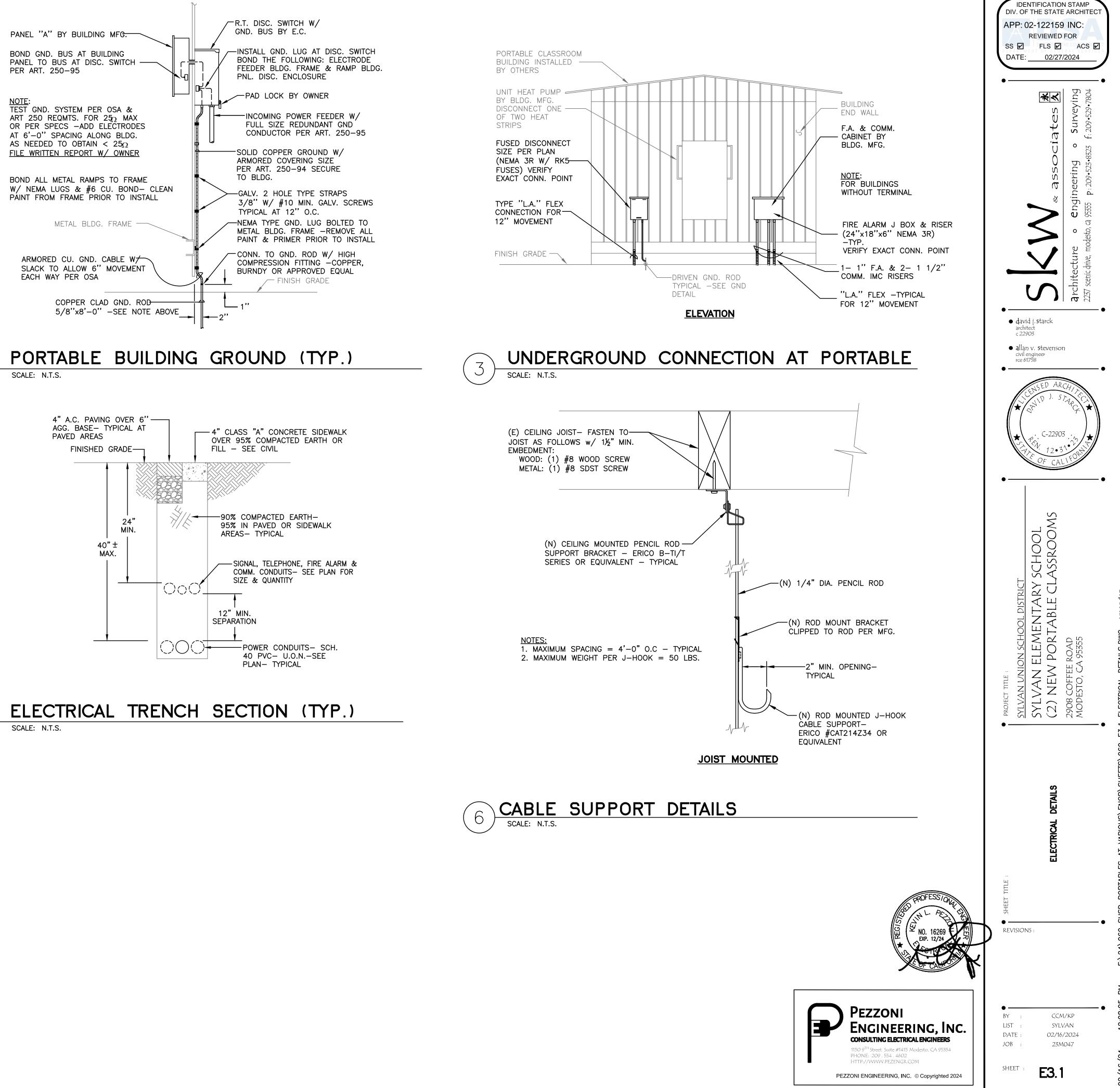
7. (N) PROJECTOR LOCATION (FIELD VERIFY LOCATION) W/DISTRICT W/(N) DUPLEX RECEPTACLE & CAT-6 DATA CABLES AS SHOWN BACK TO (E) BLDG "A' -INSTALL WITHIN 2900 SERIES WIREMOLD (WHITE) -PROVIDE WET LISTED CABLE THROUGHOUT

8. (N) PROVIDE 2" LFMC FLEX CONNECTION BETWEEN BLDGS.



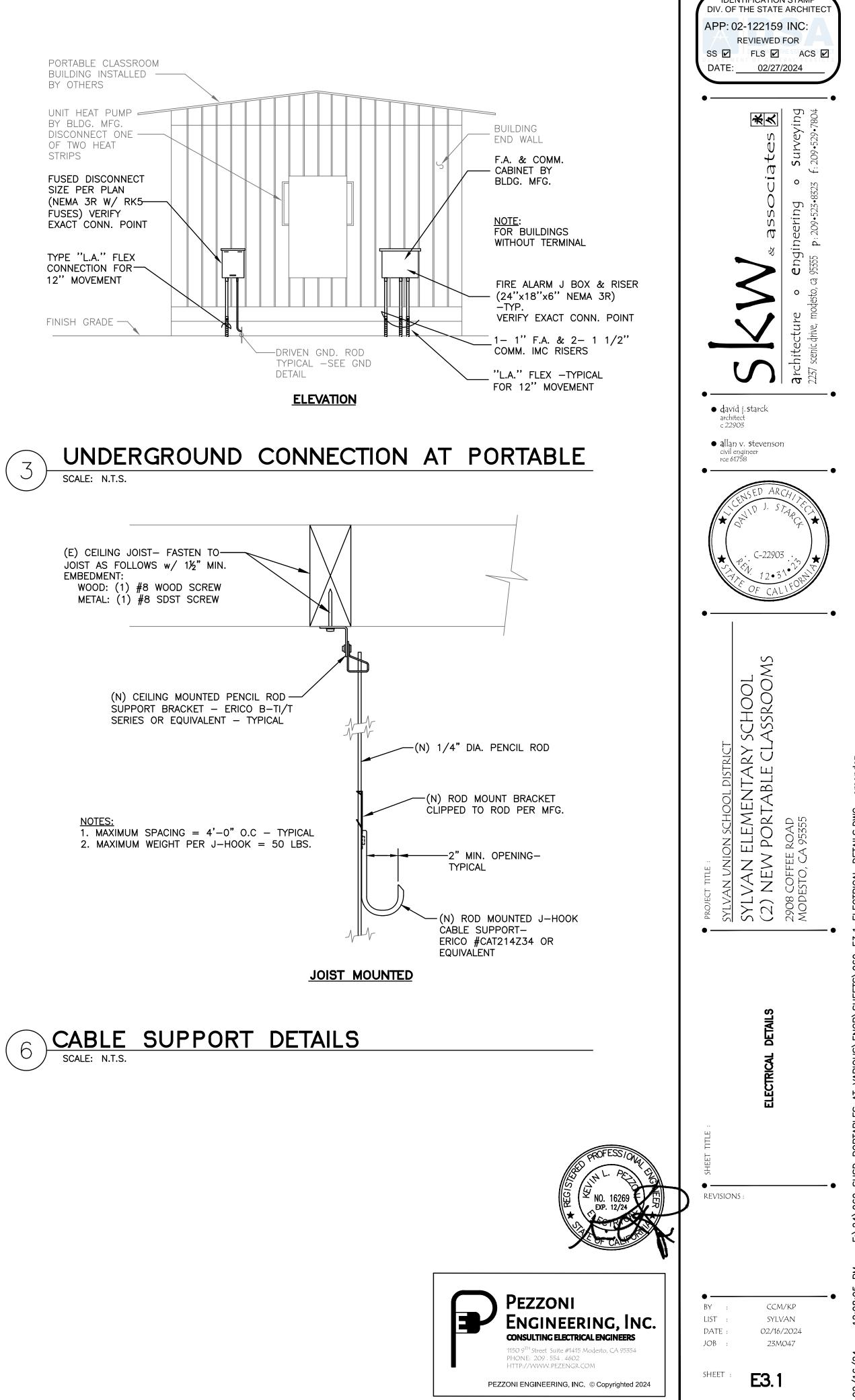






 $\cap$ 

5



# MODULAR CLASSROOM (WITH OPTIONAL RESTROOM BUILDING SIZE: 24' **EXPANDABLE TO 120** PC 04-121999

BY

SILVER CREEK MODULA

2830 BARRETT AVE, PERRIS, CALIFORNIA PHONE : (951) 943-5393 FAX : (951) 943-

# SYLVAN UNION SCHOOL SYLVAN ELEMENTARY SC 24' X 40' CLASSF (2)

### **GENERAL NOTES**

- FIRE ALARM IS NOT PART OF THIS APPROVAL.
- ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2022 CBC 705.3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIL
- SPRINKLER SYSTEM. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING.
- FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL
- SPECIFICATIONS. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2022 CBC, THE USE OF
- UNPROTECTED OPENINGS SHALL BE VERIFIED IN THE PROJECT SPECIFIC APPLICATIONS. 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". 2. 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 CE FOR THE SITE SPECIFIC LOCATION.
- 4. 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.
- 5. 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 SN SHEETS A-5.71 - A-5.78 AS APPLICABLE.
- 6. THE BUILDING PAD ELEVATION SHALL ABOVE THE DESIGN FLOOD ELEVATION.
- . 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) 2022 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES") 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. 2019 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. APPLICABLE STANDARDS:
- FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

## 

BUILDING D	ATA		
IUMBER OF STORIES:	1 - STORY		
OCCUPANCY:	E or B		
YPE OF CONSTRUCTION:	V-B		
LOOR LIVE LOAD:	50+15 PSF PARTITION LOAD		
ROOF LIVE LOAD:	20 PSF		
LOOR DEAD LOAD:	WOOD FLOOR - 11 PSF		
ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD ANI	D SOLAR AL	LOWANCE)
OLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA		
AMP LIVE LOAD:	100 PSF		
UILDING AREA:	24'x40' BLDG 960 S.F.		
ALLOWABLE AREA: 9,000 S.F.			
ALL w/o OVERHANGS)			
OUNDATION: WOOD (CONDITIO	DNAL)		
EC CLIMATE ZONE: ALL	ZONES		
ALLOWABLE SOIL			
VOOD FOOTING (DL & DL+LL &	& DL+LL+SEISMIC)		1,000 psf
CONCRETE FOOTING (DL & DL			1,500 psf
ROOF SNOW LOAD			
BROUND SNOW LOAD, $P_g$ FR			0
	LAT Pf		
NOW EXPOSURE FACTOR C	•		-
NOW IMPORTANCE FACTOR	l <sub>s</sub>		1.0
HERMAL FACTOR C <sub>t</sub>			-
FLOOD DESIGN (SE	EE GENERAL NOTE #16 + 17) NO		
WIND DESIGN			
ASIC WIND SPEED (3 SECON	D GUST) V <sub>ult</sub>		120
RISK CATEGORY			II
VIND EXPOSURE CATEGORY			С
OPOGRAPHIC FACTOR K <sub>zt</sub>			1
SEISMIC DESIGN		I	
ATERAL FORCE-RESISTING S	SYSTEM		OMF
NALYSIS PROCEDURE		EQIV. LA	TERAL FORCE
EISMIC DESIGN CATAGORY (	SDC)		Е
EISMIC IMPORTANCE FACTO	R I <sub>e</sub>		1.0
EISMIC RESPONSE COEFFIC	IENT C <sub>s</sub>		0.45
RESPONSE MODIFICATION CC	DEFFICIENT R		3.5
SITE CLASS			D
IAPPED SPECTRAL RESPONS	SE ACCELERATION AT SHORT PERIOD $S_S$		2.8
HORT PERIOD SITE COEFFIC	IENT F <sub>a</sub>		1.2
ESIGN SPECTRAL RESPONS	E ACCELERATION AT SHORT PERIOD $S_{DS}$		2.23 +++
IAPPED SPECTRAL RESPONS	SE ACCELERATION AT 1-SECOND PERIOD	S <sub>1</sub>	1.064
ONG PERIOD SITE COEFFICIE	ENT, $F_{v}$		1.7
ESIGN SPECTRAL RESPONSI	E ACCELERATION AT 1-SECOND PERIOD	S <sub>D1</sub>	1.2
IORIZONTAL OR VERTICAL IR	REGULARITY TYPES		NONE
EDUNDANCY FACTOR Rho			1.0
UNDAMENTAL PERIOD T			< 0.5s
+ PER SUPPLEMENT 3	OF ASCE 7-16, STRUCTURES SIT		N SITE CLASS

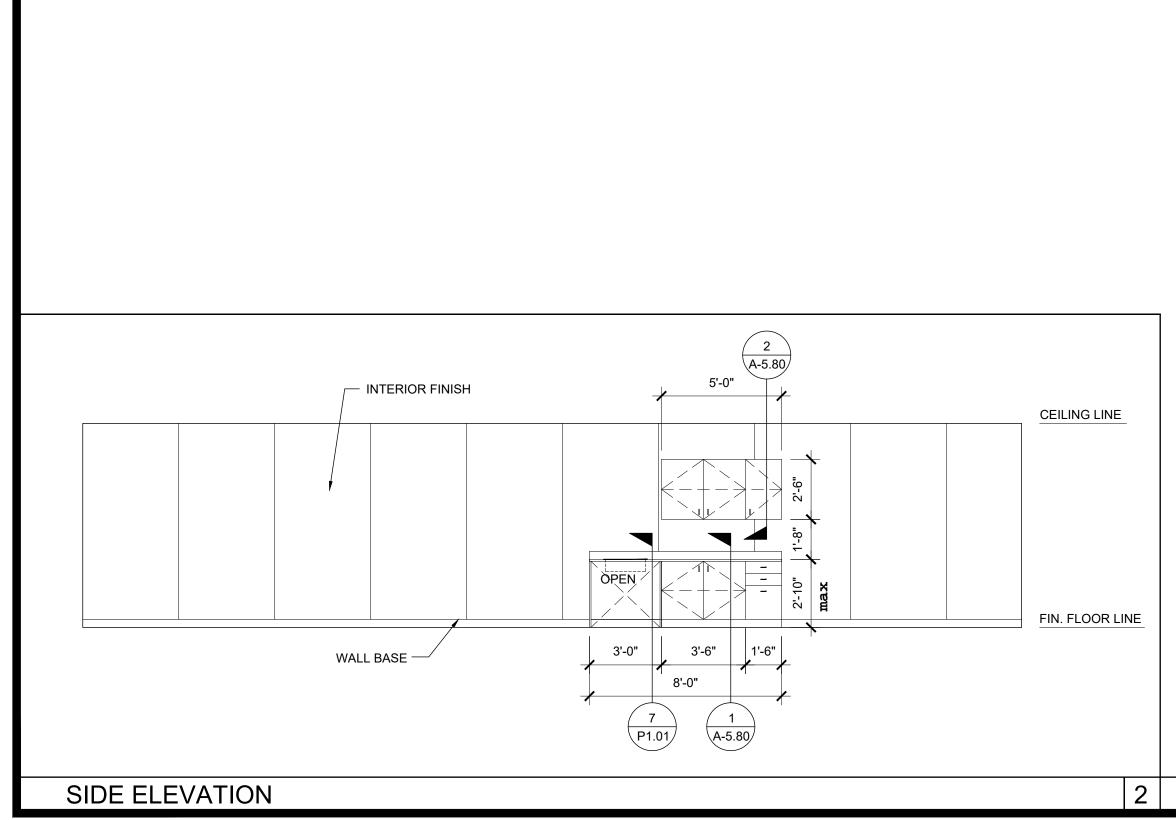
++ PER SUPPLEMENT 3 OF ASCE 7-16, STRUCTURES SITUATED IN SITE CLASS D WITH S1 VALUES THAT ARE EQUAL TO OR GREATER THAN 0.2 ARE EXEMPTED FROM THE GROUND MOTION HAZARD ANALYSIS. THIS EXEMPTION APPLIES WHEN THE PARAMETER SM1, DETERMINED THROUGH THE USE OF EQ. 11.4-2, IS ELEVATED BY 50% FOR ALL APPLICATIONS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

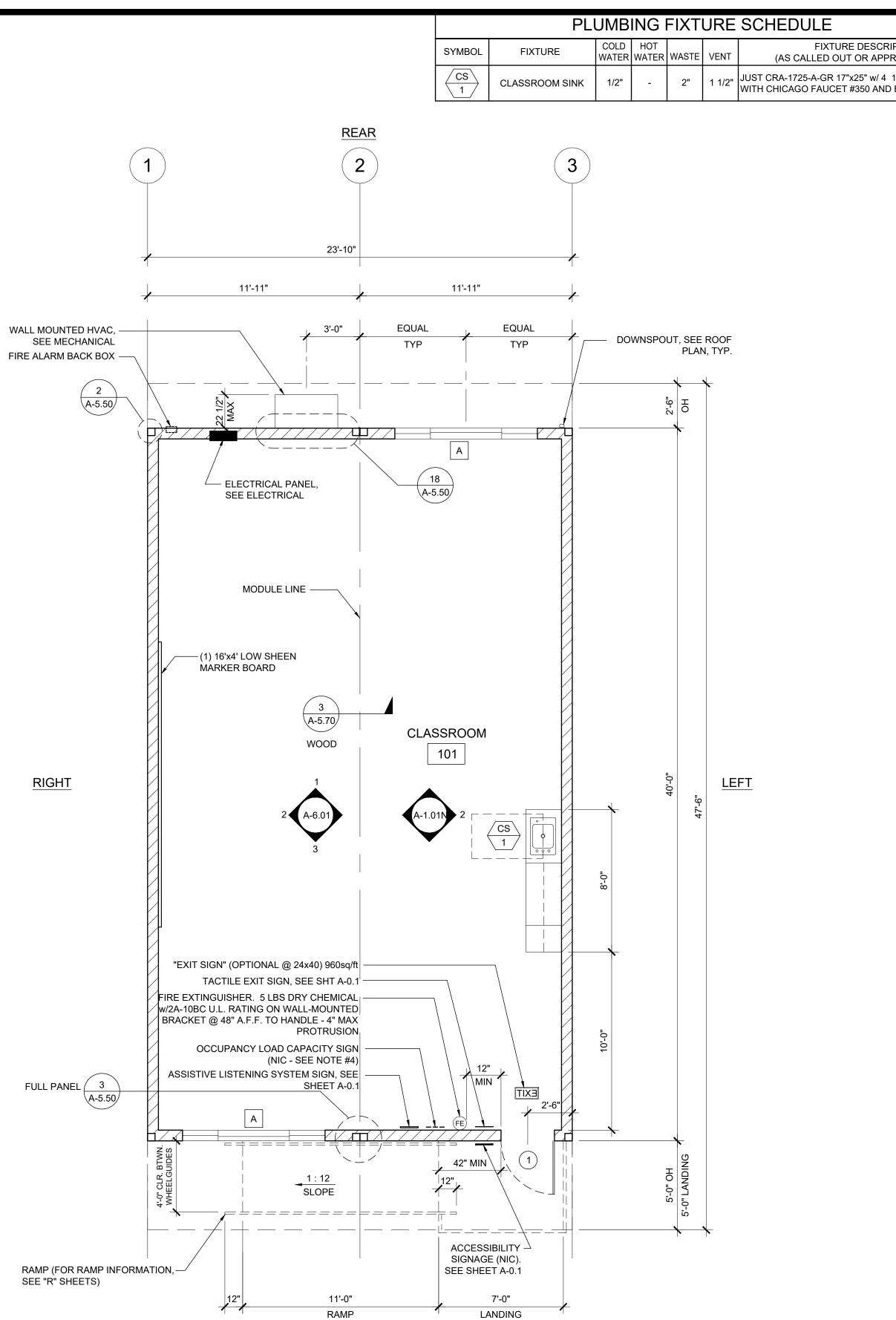
+++ FOR THE PURPOSES OF CALCULATING  $C_s$  (PER ASCE 7-16 12.8.1.3)  $S_{DS}$  = 1.56 ACTUAL PERIOD T = 0.34 SEC.

		SHEET INDEX - PROJECT SPECIFIC
BUILDINGS		COVER SHEET
MODULES)	A-1.01N	FLOOR PLAN 24' x 40' PROJECT SPECIFIC
	SHEET	
X 40'	E-1.01N	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'
)' X 40'		
R, INC.		
92571		
-2211		
. DISTRICT		
HOOL		
NOOR		
SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS		
NO GEOTECHNICAL INVESTIGATION REQUIRED		
$S_{S} = \_0.656 \qquad F_{a} = 1.2$ $\Box DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16$		
GEOTECHNICAL INVESTIGATION PROVIDED		
SITE CLASS:       C       D         So       Ss =       Fa =       PER ASCE 7-16 SUPPL 3, TABLE 11.4-1		
□       □		
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S <sub>DS</sub> , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION		
CGS APPROVAL REQUIRED		
NOT ELIGIBLE FOR OTC REVIEW SITE CLASS: C D		
S <sub>DS</sub> = $\frac{2}{3}$ Fa Ss = <b>0.558</b> ⊠ SITE CLASS C or D: 0.7 x S <sub>DS</sub> * = 0.7 x <b>0.558</b> = = <b>0.3906</b> ≤ 1.56		
$C_{\rm s} = 0.45 \text{ USED IN DESIGN}$		
SEISMIC DESIGN CATEGORY: D E		
* SITE SPECIFIC S <sub>DS</sub> 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 ADCHITECT AS DECLIDED BY SECTION 4 229		

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.

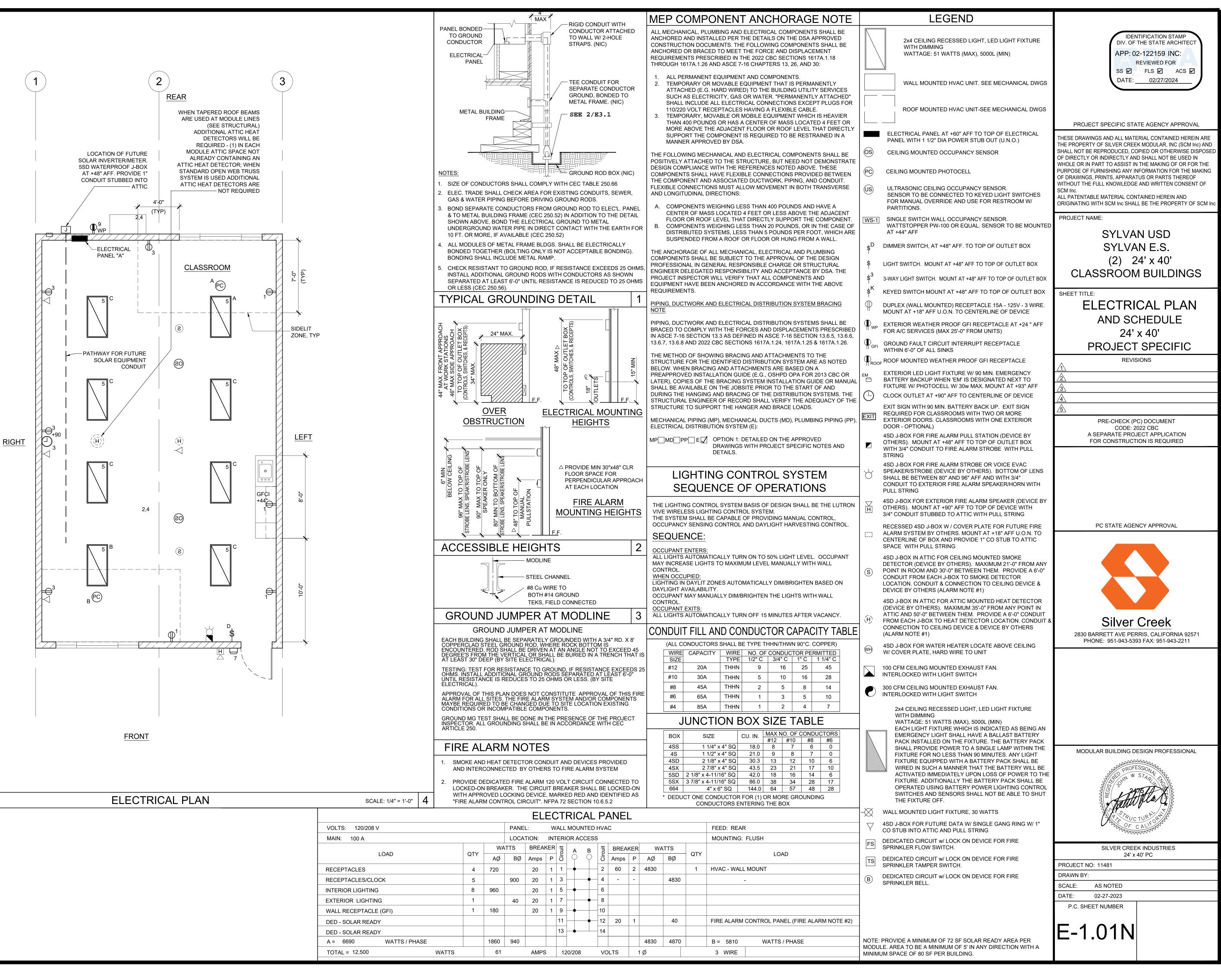
	SHEET INDEX - PC 04-12199	
SHEET	ARCHITECTURAL	IDENTIFICATION STAMP
A-0	COVER SHEET	DIV. OF THE STATE ARCHITECT
A-0A A-0B	T & I FORMS T & I FORMS	APP: 02-122159 INC: REVIEWED FOR
A-0.1 A-0.2	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE SCHEDULES	SS I FLS I ACS I
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'	DATE: 02/27/2024
A-0.53 A-0.54	DESIGN ENERGY VALUES - WOOD FLOOR - WALL HVAC PRF FORMS - ZONE 24x40 - 14 WORST CASE	
A-0.6A	CERTIFICATE OF COMPLIANCE FORMS	
A-0.6B A-0.6C	CERTIFICATE OF COMPLIANCE FORMS CERTIFICATE OF COMPLIANCE FORMS	PROJECT SPECIFIC STATE AGENCY APPROVAL
A-0.7 A-1.01	PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CALGREEN SPEC'S FLOOR PLAN - 24' x 40'	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE
A-2.01	REFLECTED CEILING PLAN - 24' x 40'	THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED
A-2.20 A-3.01	CEILING DETAILS - T-GRID ROOF PLAN - 24' x 40' - METAL DECK - MONO OR DUAL SLOPE	OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN
A-3.50	ROOF DETAILS - STANDING SEAM ROOF DECK	WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING
A-4.01 A-5.01	EXTERIOR ELEVATIONS - 24' x 40' - MONO OR DUAL SLOPE CROSS SECT MONO SLOPE	OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF
A-5.05 A-5.50	CROSS SECTION ARCHITECTURAL DETAILS - WOOD STUD - SHTG	SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND
A-5.70	ARCHITECTURAL DETAILS - FLOOR	ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc
A-5.80 A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS	PROJECT NAME:
A-6.01	INTERIOR ELEVATIONS - 24' x 40'	SYLVAN USD
SHEET	FOUNDATION	SYLVAN E.S.
F-0.02	WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)	(2) 24' x 40'
F-0.50	FOUNDATION DETAILS - WOOD	CLASSROOM BUILDINGS
OUEET		
SHEET		SHEET TITLE:
S-0.1 S-1.01	STRUCTURAL SPECIFICATIONS FLOOR FRAMING PLAN - WOOD FLOOR	
S-1.50 S-2.01	FLOOR FRAMING DETAILS - WOOD FLOOR ROOF FRAMING PLAN - MONO SLOPE	COVER SHEET
S-2.50	ROOF FRAMING DETAILS - MONO SLOPE	
S-2.60 S-2.90	ROOF FRAMING DETAILS ROOF FRAMING DETAILS - TRUSS	
S-3.01	BUILDING SECTION - MONO SLOPE	REVISIONS
S-5.00 S-5.10	WALL FRAMING ELEVATIONS - WOOD STUDS WALL FRAMING DETAILS - WOOD STUDS	
S-5.11	WALL FRAMING DETAILS - WOOD STUDS	
SHEET	PLUMBING	
P-1.01	PLUMBING DETAILS AND SCHEDULE	$\frac{243}{5}$
		PRE-CHECK (PC) DOCUMENT
SHEET	MECHANICAL	CODE: 2022 CBC A SEPARATE PROJECT APPLICATION
M-0.1 M-1.01	MECHANICAL NOTES, SCHEDULES, AND DETAILS MECHANICAL PLAN - WALL MOUNT - 24' x 40'	FOR CONSTRUCTION IS REQUIRED
IVI- 1.0 1	MECHANICAL PLAN - WALL MOUNT - 24 X 40	
SHEET	ELECTRICAL	
E-1.01	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'	
SHEET	RAMP	
R-1.01 R-2.01	RAMP LANDING RAMP DETAILS	
		PC STATE AGENCY APPROVAL
		Silver Creek
		2830 BARRETT AVE PERRIS, CALIFORNIA 92571
		PHONE: 951-943-5393 FAX: 951-943-2211
		MODULAR BUILDING DESIGN PROFESSIONAL
		PROFESSION 44
		STAPLER W STAPLER
		24TELA
		A Fattor Ca
		TO PUCTURE REAL
		OF CALLED
		SILVER CREEK INDUSTRIES 24' x 40' PC
		PROJECT NO: 11481
		DRAWN BY:
		SCALE: AS NOTED DATE: 02-27-2023
		P.C. SHEET NUMBER
		A-0N
	TOTAL SHEETS 47	
		•





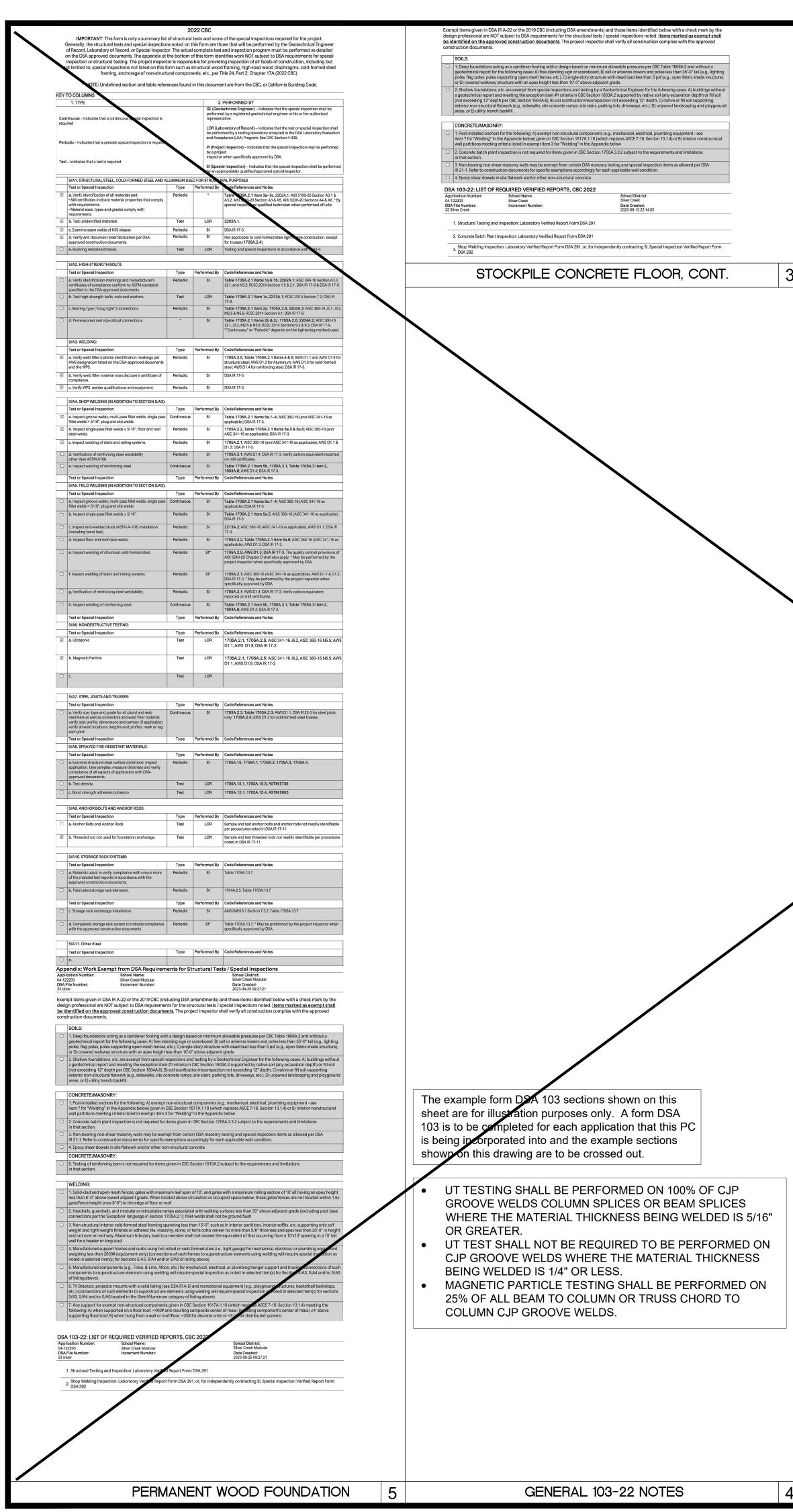
FRONT

	NOTES	
IPTION ROVED EQUAL) 1/2" BOWL DEPTH, 9 BUBBLER JSB-10	<ol> <li>PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1 (4.1)         <ol> <li>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<sub>S</sub></li> </ol> </li> <li>VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7</li> <li>POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH</li> </ol>	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122159 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 02/27/2024
	<ul> <li>CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 ART. 3.30 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK</li> <li>4. 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)</li> <li>5. ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION</li> <li>6. FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80</li> </ul>	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
	<ul> <li>7. DOORS SHALL PROVIDED WITH MINIMUM 4' CANOPY OR ROOF OVERHANG - SEE A/A-0.7 FOR NON-ABSORBANT WALL AND FLOOR FINISH REQUIREMENTS ADJACENT TO EXTERIOR DOORS</li> <li>WALL LEGEND</li> <li> NOMINAL 6" WALL STUD</li> <li>A WINDOW PER SCHEDULE SHEET A-0.2</li> </ul>	PROJECT NAME: SYLVAN USD SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS
	<ul> <li># DOOR PER SCHEDULE SHEET A-0.2</li> <li><u>NOTES:</u> ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (MIN).</li> <li>2x4 WALL FRAMING NOT ALLOWED WITH WALLS OVER 9'-0" IN HEIGHT.</li> <li>SYMBOLS LEGEND</li> </ul>	SHEET TITLE: FLOOR PLAN 24' x 40' PROJECT SPECIFIC REVISIONS
	60" CIRCLE CLEAR SPACE	Image: Constraint of the second se
	<ul> <li>MARKING &amp; IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.5)</li> <li>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:</li> <li>BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;</li> <li>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</li> <li>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.</li> </ul>	PC STATE AGENCY APPROVAL PC STATE AGENCY APPROVAL
		MODULAR BUILDING DESIGN PROFESSIONAL
: 1/4" = 1'-0" <b>1</b>		24' x 40' PC PROJECT NO: 11481 DRAWN BY: SCALE: AS NOTED DATE: 02-27-2023 P.C. SHEET NUMBER A-1.01N



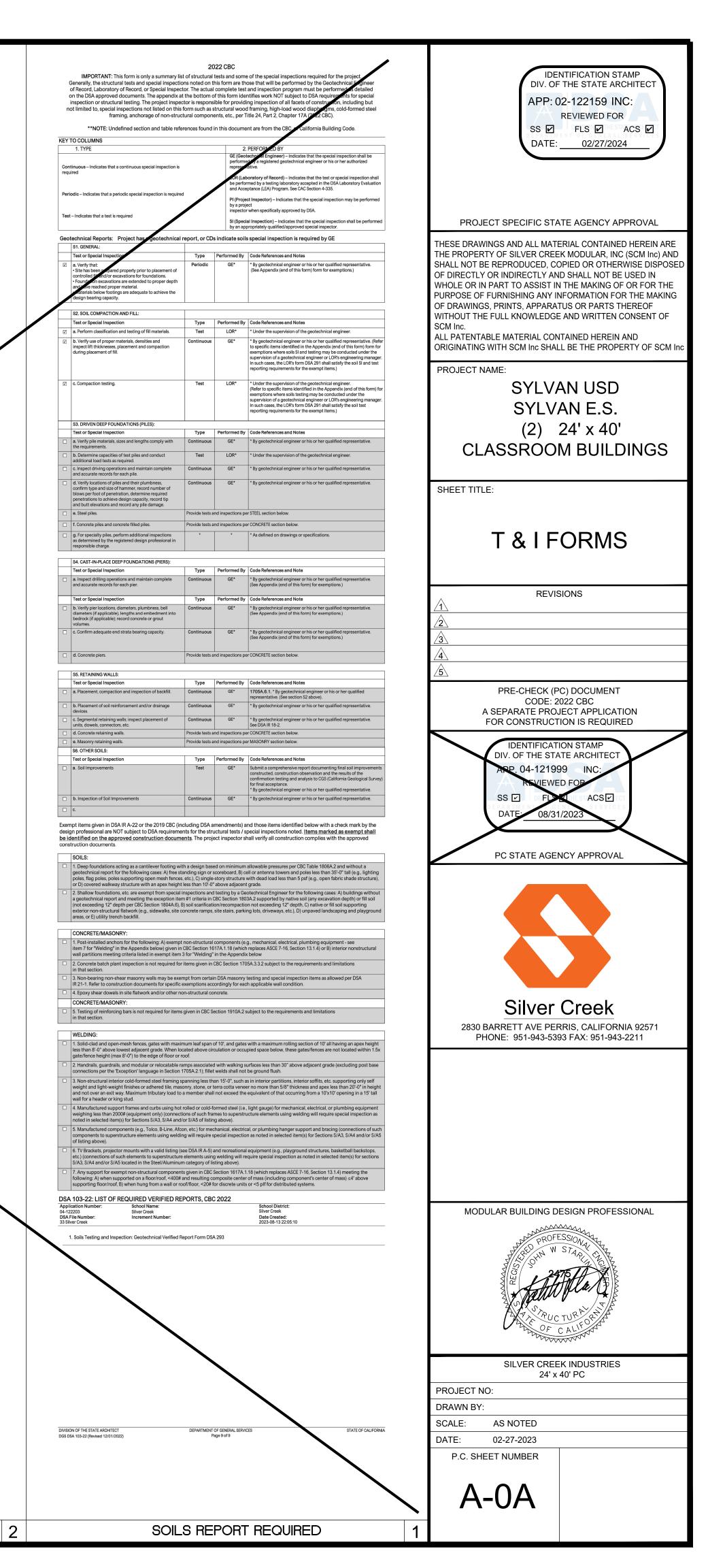
				TION.	IINII			_00	,						MOUNTING.	LUSII
	<b>OT</b> /	WA	TTS	BREA	KER	cuit	AE	3	cuit	BREA	KER	WA	TTS	071		
LOAD	QTY	AØ	вø	Amps	Р	Circ		7	Cir	Amps	Р	AØ	вø	QTY		LOAI
RECEPTACLES	4	720		20	1	1	<b>│</b>		2	60	2	4830		1	HVAC - WALL	MOUNT
RECEPTACLES/CLOCK	5		900	20	1	3		•—	4	-	-		4830		-	
INTERIOR LIGHTING	8	960		20	1	5	<b>— —</b>		6							
EXTERIOR LIGHTING	1		40	20	1	7		•—	8							
WALL RECEPTACLE (GFI)	1	180		20	1	9	<b>— —</b>		10							
DED - SOLAR READY						11		•—	12	20	1		40		FIRE ALARM	CONTROL PANE
DED - SOLAR READY						13	<b>——</b>		14							
A = 6690 WATTS / PHASE		1860	940									4830	4870		B = 5810	WATTS /
TOTAL = 12500 WATTS		61				10	0/208		VO		1	м			3 WIDE	

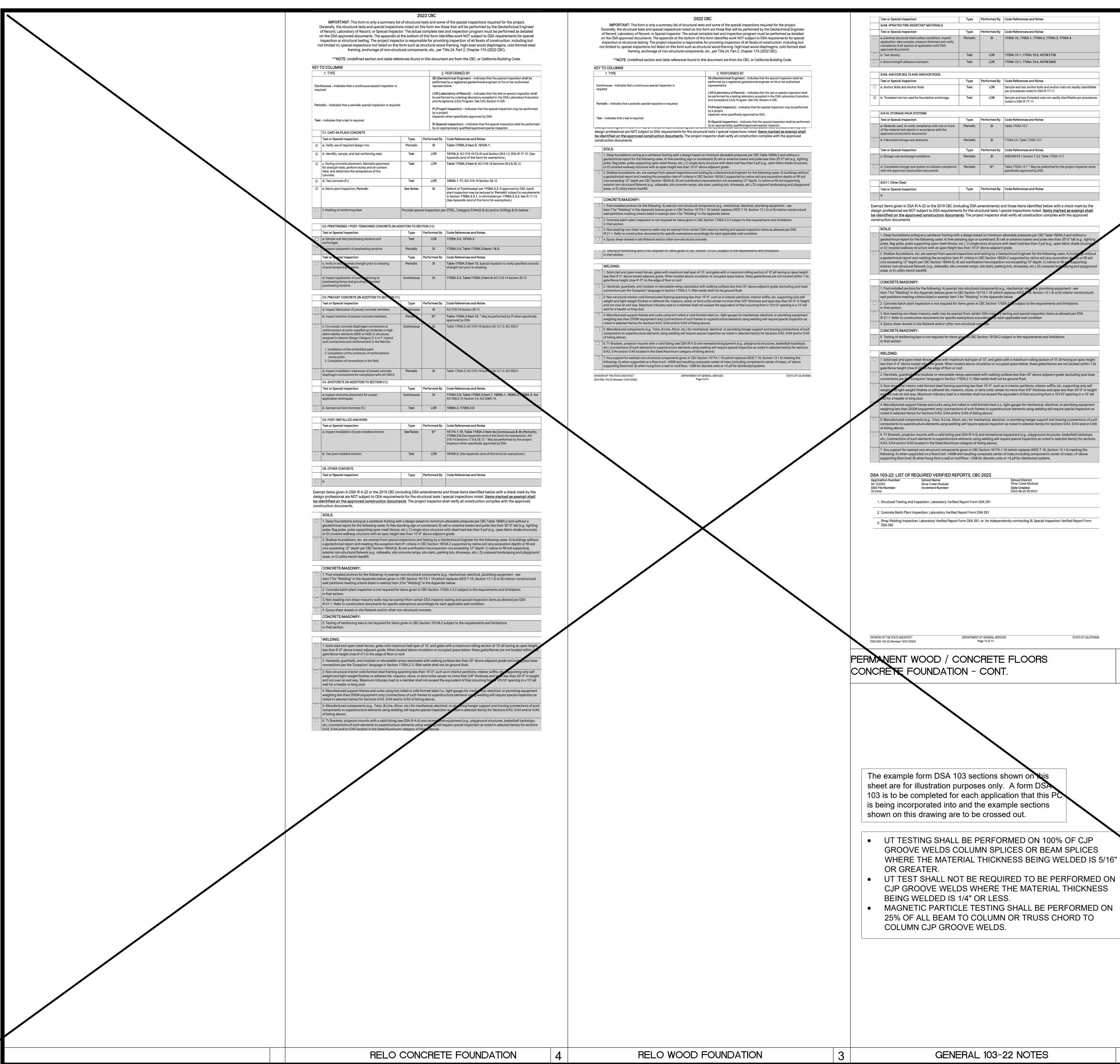
			SHEET	INDEX		
	JLAR CLASSROOM E		SHEET ARCHITECTURAL	SHEET	FOUNDATION	IDENTIFICATION STAMP
			A-0 COVER SHEET A-0A T & I FORMS	F-0.01	WOOD FOUNDATION PLAN - 24' x 40' (50 PSF) WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)	DIV. OF THE STATE ARCHITECT APP: 02-122159 INC:
	H OPTIONAL RESTROOM M		A-0B T & I FORMS	F-0.03	WOOD FOUNDATION PLAN - 24 x 40 (30+13 F3F)           WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)           WOOD FOUNDATION PLAN - 24' x 40' (150 PSF)	REVIEWED FOR
			A-0.1 SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE A-0.2 SCHEDULES	F-0.04 F-0.11	WOOD FOUNDATION PLAN - 36' x 40' (50 PSF)	SS 🗹 FLS 🗹 ACS 🗹 DATE: <u>02/27/2024</u>
	DI III DINIO OIZE. $0.1^{7}$		A-0.3       Image: Typical Key Plans - 24' to 120' x 40'         A-0.50       DESIGN ENERGY VALUES - CONC FLOOR - ROOF HVAC	F-0.12 F-0.13	WOOD FOUNDATION PLAN - 36' x 40'         (50+15 PSF)           WOOD FOUNDATION PLAN - 36' x 40'         (100 PSF)	
	BUILDING SIZE: 24' >	N 40	A-0.51       DESIGN ENERGY VALUES - CONC FLOOR - WALL HVAC         A-0.52       DESIGN ENERGY VALUES - WOOD FLOOR - ROOF HVAC	F-0.14 F-0.21	WOOD FOUNDATION PLAN - 36' x 40'         (150 PSF)           WOOD FOUNDATION PLAN - 48' x 40'         (50 PSF)	
			A-0.53Image: Constraint of the second se	F-0.22	WOOD FOUNDATION PLAN - 48' x 40'         (50+15 PSF)           WOOD FOUNDATION PLAN - 48' x 40'         (100 PSF)	 PROJECT SPECIFIC STATE AGENCY APPROVAL
	XPANDABLE TO 120	X 40	A-0.55         PRF FORMS - ZONE 24x40 - 15 WORST CASE           A-0.56         PRF FORMS - ZONE 24x40 - 16 WORST CASE	F-0.24 F-0.50	WOOD FOUNDATION PLAN - 48' x 40' (150 PSF) FOUNDATION DETAILS - WOOD	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE
			A-0.57         PRF FORMS - ZONE 36x40 - 14 WORST CASE           A-0.58         PRF FORMS - ZONE 36x40 - 15 WORST CASE	F-1.01	CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR	THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED
	PC 04-121999		A-0.59 PRF FORMS - ZONE 36x40 - 16 WORST CASE A-0.6A CERTIFICATE OF COMPLIANCE FORMS	F-1.11	CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR CONCRETE FOUNDATION DETAILS - ABOVE GRADE	<ul> <li>OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN</li> <li>WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE</li> </ul>
			A-0.6B CERTIFICATE OF COMPLIANCE FORMS A-0.6C CERTIFICATE OF COMPLIANCE FORMS	F-2.01	CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR	<ul> <li>PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING</li> <li>OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF</li> <li>WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF</li> </ul>
	BY		A-0.6D SINGLE MODULE TOILET BUILDING COMPLIANCE FORMS	F-2.50	CONCRETE FOUNDATION DETAILS - BELOW GRADE	<ul> <li>SCM Inc.</li> <li>ALL PATENTABLE MATERIAL CONTAINED HEREIN AND</li> </ul>
			A-0.6E       TWO MODULE TOILET BUILDING COMPLIANCE FORMS         A-0.7       PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CALGREEN SPEC'S	F-2.51	FOUNDATION DETAILS - CONCRETE	ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc
	SILVER CREEK MODULAR	$\mathbf{i}, \mathbf{IINC}.$	A-1.01 🗹 FLOOR PLAN - 24' x 40'	QUEET	STRUCTURAL	_ PROJECT NAME:
	2830 BARRETT AVE, PERRIS, CALIFORNIA 92	2571	A-1.02         FLOOR PLAN - 36' x 40'           A-1.03         FLOOR PLAN - 48' TO 120' x 40'		STRUCTURAL SPECIFICATIONS	- SYLVAN USD
	PHONE : (951) 943-5393 FAX : (951) 943-2	211	A-1.04 OPTIONAL RESTROOM END MODULE ADULT HEIGHT PLAN & ELEVATIONS A-1.04A OPTIONAL RESTROOM END MODULE ALTERNATE HEIGHT PLANS	S-1.01 🗹	FLOOR FRAMING PLAN - WOOD FLOOR	SYLVAN E.S.
			A-1.05       OPTIONAL RESTROOM END MODULE PLUMBING PLAN         A-1.06       TOILET BUILDING 24' x 40' ADULT HEIGHT PLAN & ELEVATIONS		FLOOR FRAMING PLAN - CONCRETE FLOOR         FLOOR FRAMING DETAILS - WOOD FLOOR	(2) 24' x 40'
			A-1.07 TOILET BUILDING 24' x 40' ALTERNATE HEIGHT PLANS	S-1.60	FLOOR FRAMING DETAILS - CONCRETE FLOOR	CLASSROOM BUILDINGS
			A-1.08 TOILET BUILDING 24' x 40' INTERIOR ELEVATIONS		ROOF FRAMING PLAN - MONO SLOPE	SHEET TITLE:
			A-2.01 REFLECTED CEILING PLAN - 24' x 40'	S-2.03 S-2.11	ROOF FRAMING PLAN - PARAPET - MONO SLOPE         ROOF FRAMING PLAN - DUAL SLOPE	_
			A-2.02       REFLECTED CEILING PLAN - 36' x 40'         A-2.03       REFLECTED CEILING PLAN - 48' TO 120' x 40'	S-2.13 S-2.50	ROOF FRAMING PLAN - PARAPET - DUAL SLOPE         ROOF FRAMING DETAILS - MONO SLOPE	COVER SHEET
			A-2.20       Image: CEILING DETAILS - T-GRID         A-2.21       Image: CEILING DETAILS - HARD LID		ROOF FRAMING DETAILS - DUAL SLOPE         ROOF FRAMING DETAILS	
			A-3.01 🗹 ROOF PLAN - 24' x 40' - METAL DECK - MONO OR DUAL SLOPE	S-2.70 S-2.90	ROOF FRAMING DETAILS - PARAPET         ROOF FRAMING DETAILS - TRUSS	
			A-3.02ROOF PLAN - 36' x 40' - METAL DECK - MONO OR DUAL SLOPEA-3.03ROOF PLAN - 48' TO 120' x 40' - METAL DECK - MONO SLOPE	S-3.01 🗹	BUILDING SECTION - MONO SLOPE	- REVISIONS
			A-3.04 ROOF PLAN - 48' TO 120' x 40' - METAL DECK - DUAL SLOPE	S-3.02	BUILDING SECTION - DUAL SLOPE	
GENERAL NOTES		FOR SITE SPECIFIC PROJECT	A-3.31 ROOF PLAN - 24' x 40' - PARAPET - MONO OR DUAL SLOPE A-3.32 ROOF PLAN - 36' x 40' - PARAPET - MONO OR DUAL SLOPE		WALL FRAMING ELEVATIONS - WOOD STUDS	$-\frac{73}{4}$
<ol> <li>FIRE ALARM IS NOT PART OF THIS APPROVAL.</li> <li>ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2022 CBC 705.3.</li> </ol>	NUMBER OF STORIES:     1 - STORY       OCCUPANCY:     E or B	SOLAR PV IS REQUIRED AND REFERENCE SHEET A-0.7	A-3.33 ROOF PLAN - 48' TO 120' x 40' - PARAPET - MONO SLOPE	S-5.11 🗹	WALL FRAMING DETAILS - WOOD STUDS	
<ol> <li>THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.</li> </ol>	TYPE OF CONSTRUCTION: V-B	GEOTECH REPORT IS REQUIRED	A-3.34 ROOF PLAN - 48' TO 120' x 40' - PARAPET - DUAL SLOPE	S-5.20 S-5.30 S-5.30	WALL FRAMING ELEVATIONS - STEEL STUDS WALL FRAMING DETAILS - STEEL STUDS	PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC
<ol> <li>PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING.</li> <li>FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL</li> </ol>	FLOOR LIVE LOAD:       50 PSF       \$\$50+15 PSF PARTITION LOAD\$         100 PSF       150 PSF	SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS	A-3.41ROOF PLAN - 24' x 40' - TPO - MONO OR DUAL SLOPEA-3.42ROOF PLAN - 36' x 40' - TPO - MONO OR DUAL SLOPE	S-5.31	WALL FRAMING DETAILS - STEEL STUDS	A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
SPECIFICATIONS. 6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF	ROOF LIVE LOAD:     20 PSF	DESIGN BASED ON SITE CLASS D <sub>default</sub>	A-3.43       ROOF PLAN - 48' TO 120' x 40' - TPO - MONO SLOPE         A-3.44       ROOF PLAN - 48' TO 120' x 40' - TPO - DUAL SLOPE	QUEET	PLUMBING	
REGULATIONS (CCR). 7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.	FLOOR DEAD LOAD:     WOOD FLOOR - 11 PSF     CONCRETE FLOOR - 35 PSF	NO GEOTECHNICAL INVESTIGATION REQUIRED	A-3.50 🖌 ROOF DETAILS - STANDING SEAM ROOF DECK		PLUIVIDING PLUMBING DETAILS AND SCHEDULE	IDENTIFICATION STAMP
<ol> <li>EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2022 CBC. THE USE OF UNPROTECTED OPENINGS SHALL BE VERIFIED IN THE PROJECT SPECIFIC APPLICATIONS.</li> </ol>	ROOF DEAD LOAD:       18 PSF (INCLUDING SPRINKLER LOAD AND SOLAR ALLOWANCE)         SOLAR ALLOWANCE:       0.6 PSF OVER ENTIRE ROOF AREA	$S_{S} = \underbrace{0.656}_{Fa} F_{a} = 1.2$	A-3.80 ROOF DETAILS - PARAPET A-3.90 ROOFING DETAILS - TPO ROOF			APP. 84-121999 INC. REVIEWED FOR
<ol> <li>9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 &amp; 1405.</li> </ol>	RAMP LIVE LOAD: 100 PSF	GEOTECHNICAL INVESTIGATION PROVIDED		SHEET	MECHANICAL	
10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.	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 - 1,440 S.F.       108'x40' BLDG - 3,840 S.F.	щ SITE CLASS: C C D	A-4.02       EXTERIOR ELEVATIONS - 36' x 40' - MONO SLOPE         A-4.03       EXTERIOR ELEVATIONS - 36' x 40'- DUAL SLOPE	M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS	DATE: 08/31/2023
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL".	ALLOWABLE AREA: 9,000 S.F.       48'x40' BLDG - 1,920 S.F.       108'x40' BLDG - 4,320 S.F.         60'x40' BLDG - 2,400 S.F.       120'x40' BLDG - 4,800 S.F.         72'x40' BLDG - 2,880 S.F.       + SEE C 0.1 FOD CENTECINICAL	ර පු Ss = Fa = PER ASCE 7-16 SUPPL 3, TABLE 11.4-1	A-4.04 EXTERIOR ELEVATIONS - 48' TO 120' x 40' - MONO SLOPE	M-1.01	MECHANICAL PLAN - WALL MOUNT - 24' x 40'	PC STATE AGENCY APPROVAL
<ol> <li>BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.</li> </ol>	(ALL w/o OVERHANGS) REPORT REQUIREMENT	DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16	A-4.05 EXTERIOR ELEVATIONS - 48' TO 120' x 40' - DUAL SLOPE	M-1.02 M-1.03	MECHANICAL PLAN - WALL MOUNT - 36' x 40' MECHANICAL PLAN - WALL MOUNT - 48' TO 120' x 40'	
<ol> <li>CHAPTER 7A.</li> <li>13. WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4</li> </ol>	FOUNDATION:       WOOD (CONDITIONAL)       CONCRETE ABOVE GRADE       CONCRETE BELOW GRADE (<2,160 SF, CONDITIONAL)	SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S <sub>DS</sub> , SHALL BE AS SPECIFIED IN	A-4.21EXTERIOR ELEVATIONS - 24' x 40' PARAPET - MONO OR DUAL SLOPEA-4.22EXTERIOR ELEVATIONS - 36' x 40' PARAPET - MONO OR DUAL SLOPE	M-2.01	MECHANICAL PLAN - ROOF MOUNT - 24' x 40'	
FOR THE SITE SPECIFIC LOCATION. 14. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE	ALLOWABLE SOIL PRESSURE	GEOTECHNICAL INVESTIGATION	A-4.23 A-4.23 EXTERIOR ELEVATIONS - 48' x 120' x 40' PARAPET - MONO OR DUAL SLOPE	M-2.02 M-3.01	MECHANICAL ROOF PLAN - ROOF MOUNT - 24' x 40' MECHANICAL PLAN - ROOF MOUNT - 36' x 40'	
SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM	WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC)       1,000 psf         CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)       1,500 psf	CGS APPROVAL REQUIRED NOT ELIGIBLE FOR OTC REVIEW	A-5.01         Image: CROSS SECT MONO SLOPE           A-5.02         Image: CROSS SECT DUAL SLOPE	M-3.02 M-4.01	MECHANICAL ROOF PLAN - ROOF MOUNT - 36' x 40' MECHANICAL PLAN - ROOF MOUNT - 48' TO 120' x 40'	
REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.	CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)       1,500 psf         ROOF SNOW LOAD       1,500 psf		A-5.05 CROSS SECTION	M-4.02	MECHANICAL ROOF PLAN - ROOF MOUNT - 48' TO 120' x 40'	
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	GROUND SNOW LOAD, $P_g$ FROM COUNTY0ROOF SNOW LOAD: $\Box$ FLAT $P_f$ OR $\Box$ LOW-SLOW, $P_m$ OR $\Box$ SLOPED, $P_s$	$S_{DS} = \frac{2}{3} Fa Ss = 0.558$	A-5.50 ARCHITECTURAL DETAILS - WOOD STUD - SHTG A-5.51 ARCHITECTURAL DETAILS - WOOD STUD - PLASTER			
(WEATHER-RESISTANT EXTERIOR WALL ENVELOPE AND CONTINUOUS WATER-RESTISTIVE BARRIER ON WALLS TO FOUNDATION) + 2304.12.1.2	SNOW EXPOSURE FACTOR C <sub>s</sub> -	SITE CLASS C or D: $0.7 \times S_{DS}^* = 0.7 \times 0.558 = 0.3906 \le 1.56$	A-5.52       ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED         A-5.53       ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED		ELECTRICAL ELECTRICAL PLAN AND SCHEDULE - 24' x 40'	2830 BARRETT AVE PERRIS, CALIFORNIA 92571
(PROTECTION AGAINST DECAY AND TERMITES). DETAILS ARE PROVIDED ON SHEETS A-5.71 - A-5.78 AS APPLICABLE.		$C_{S} = 0.45$ USED IN DESIGN		E-1.02	ELECTRICAL PLAN AND SCHEDULE - 36' x 40'	PHONE: 951-943-5393 FAX: 951-943-2211
16. THE BUILDING PAD ELEVATION SHALL ABOVE THE DESIGN FLOOD ELEVATION.	THERMAL FACTOR C <sub>t</sub> -       FLOOD DESIGN (SEE GENERAL NOTE #16 + 17)	SEISMIC DESIGN CATEGORY: D	A-5.60       ARCHITECTURAL DETAILS - STEEL STUD - SHTG         A-5.61       ARCHITECTURAL DETAILS - STEEL STUD - PLASTER	E-1.03	ELECTRICAL PLAN AND SCHEDULE - 48' TO 120' x 40'	_
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	FLOOD HAZARD AREA YES NO WIND DESIGN	* SITE SPECIFIC S <sub>DS</sub> VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3	A-5.62       ARCHITECTURAL DETAILS - STEEL STUD - 1 HOUR RATED         A-5.63       ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED	SHEET	RAMP	-
BEARING PRESSURES INDICATED ON THE PC DRAWINGS. EXCEPTION: THIS LETTER IS NOT REQUIRED FOR PROJECTS LOCATED IN	WIND DESIGN       BASIC WIND SPEED (3 SECOND GUST)       Vult       120		A-5.64 ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS	R-1.01	RAMP LANDING	
FLOOD ZONE D WHEN A GEOTECHNICAL REPORT IS AVAILABLE FOR IMPROVEMENTS ON THE SAME PROJECT SITE, AND IN ACCORDANCE WITH	RISK CATEGORY II		A-5.70       Image: ARCHITECTURAL DETAILS - FLOOR         A-5.71       DETERIORATION PROTECTION - NON-WD SIDING - CONC FLR - WD STUDS	R-1.02	OFFSET RAMP PLAN RAMP LANDING	
THE CURRENT CBC, WHICH CONFIRMS THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE OR CONFIRMS THAT THE FLOOD HAZARD DOES NOT RESULT	WIND EXPOSURE CATEGORY     C       TOPOGRAPHIC FACTOR     Kzt       1		A-5.72       DETERIORATION PROTECTION - STUCCO FINISH - CONC FLR - WD STUDS         A-5.73       DETERIORATION PROTECTION - NON-WD SIDING - WD FLR - WD STUDS	R-1.04 R-1.05	STANDARD LANDING WITH STEPS SWITCHBACK RAMP PLAN	-
IN A REDUCTION OF SOIL CAPACITY VALUES. APPLICABLE STANDARDS	SEISMIC DESIGN LATERAL FORCE-RESISTING SYSTEM OMF		A-5.74       DETERIORATION PROTECTION - STUCCO FINISH - WD FLR - WD STUDS         A-5.75       DETERIORATION PROTECTION - NON-WD SIDING - CONC FLR - STL STUDS	R-2.01 <b></b>	RAMP DETAILS         STANDARD CONCRETE RAMP AND DETAILS	-
NFPA 13     AUTOMATIC SPRINKLER SYSTEMS (CA. AMENDED)     2022 EDITION			A-5.76       DETERIORATION PROTECTION - STUCCO FINISH - CONC FLR - STL STUDS         A-5.77       DETERIORATION PROTECTION - NON-WD SIDING - WD FLR - STL STUDS			MODULAR BUILDING DESIGN PROFESSIONAL
NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2022 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")			A-5.78 DETERIORATION PROTECTION - STUCCO FINISH - WD FLR - STL STUDS	SHEET	RELOCATABLE SHEETS	
ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE 2019 EDITION			A-5.80 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS A-5.81 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS	REL-101	BUILDING RELOCATION DETAILS BUILDING RELOCATION DETAILS	- PROFESSION AL
ASME A17.1 (W/A17.1A CSA B44A-2019 ADDENDA) SAFETY CODE FOR ELEVATORS & ESCALATORS. 2007 EDITION				REL-102		
APPLICABLE CODES	SITE CLASS     D       MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S <sub>S</sub> 2.8		A-6.01         INTERIOR ELEVATIONS - 24' x 40'           A-6.02         INTERIOR ELEVATIONS - 36' x 40'			- Fattoly Car 3
LIST OF 2022 CALIFORNIA CODE OF REGULATIONS	SHORT PERIOD SITE COEFFICIENT F <sub>a</sub> 1.2		A-6.03 INTERIOR ELEVATIONS - 48' TO 120' x 40'			THE OF ANY OF
2022 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.	DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S <sub>DS</sub> 2.23 +++					- CAL
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.	MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD $S_1$ 1.064 ++LONG PERIOD SITE COEFFICIENT, $F_v$ 1.7					– SILVER CREEK INDUSTRIES 24' x 40' PC
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.	DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S <sub>D1</sub> 1.2					- 24' x 40' PC - PROJECT NO:
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.	HORIZONTAL OR VERTICAL IRREGULARITY TYPESNONEREDUNDANCY FACTOR Rho1.0					DRAWN BY:
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.	REDUNDANCY FACTOR Rho     1.0       FUNDAMENTAL PERIOD T     < 0.5s					SCALE:         AS NOTED           DATE:         02-27-2023
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.	++ 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					P.C. SHEET NUMBER
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.	EXEMPTED FROM THE GROUND MOTION HAZARD ANALYSIS. THIS EXEMPTION APPLIES WHEN THE PARAMETER SM1, DETERMINED THROUGH THE USE OF	NOTE: CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE				
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.	EQ. 11.4-2, IS ELEVATED BY 50% FOR ALL APPLICATIONS OF SM1	BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338,				A-0
	+++ FOR THE PURPOSES OF CALCULATING C <sub>S</sub> (PER ASCE 7-16 12.8.1.3) S <sub>DS</sub> = 1.56	PART 1, TITLE 24, CCR.				-



	Generally, the structural tests and special inspect of Record, Laboratory of Record, or Special Inspe- on the DSA approved documents. The appendix inspection or structural testing. The project insp not limited to, special inspections not listed on thi framing, anchorage of non-stru	ist of structura ions noted on cctor. The actua at the bottom ector is respon as form such as ictural compor	this form are the al complete test of this form ide sible for provious structural woothents, etc., per	e of the special inspections required for the project. iose that will be performed by the Geotechnical Engineer t and inspection program must be performed as detailed intifies work NOT subject to DSA requirements for special ing inspection of all facets of construction, including but d framing, high-hoad wood diaphragms, cold-formed steel Fitle 24, Part 2, Chapter 17A (2022 CBC). ent are from the CBC, or California Building Code.		Generally, the structural tests and special inspectio of Record, Laboratory of Record, or Special Inspect on the DSA approved documents. The appendix at inspection or structural testing. The project inspec ot limited to, special inspections not listed on this	of structural t ns noted on th or. The actual the bottom of tor is responsi orm such as st	is form are the complete tes this form ide ble for provid ructural woo	ne of the special inspections required for the project. hose that will be performed by the Geotechnical Engineer at and inspection program must be performed as detailed entifies work NOT subject to DSA requirements for special fing inspection of all facets of construction, including but bd framing, high-load wood diaphragms, cold-formed steel Title 24, Part 2, Chapter 17A (2022 CBC).
	KEY TO COLUMNS  1. TYPE			PERFORMED BY	KEY	**NOTE: Undefined section and table refer	ences found i	n this docum	ent are from the CBC, or California Building Code.
	Continuous – Indicates that a continuous special inspection is required	;	GE (Geo	technical Engineer) – Indicates that the special inspection shall be ed by a registered geotechnical engineer or his or her authorized		1. TYPE		GE (Geo	2. PERFORMED BY otechnical Engineer) – Indicates that the special inspection shall be red by a registered geotechnical engineer or his or her authorized
	Periodic – Indicates that a periodic special inspection is requir	ed	be perfo	boratory of Record) – Indicates that the test or special inspection shall rmed by a testing laboratory accepted in the DSA Laboratory Evaluation sptance (LEA) Program. See CAC Section 4-335.	Con requ	tinuous – Indicates that a continuous special inspection is lired		represer	
	Test – Indicates that a test is required		by a pro	ect Inspector) – Indicates that the special inspection may be performed ject r when specifically approved by DSA.	Peri	odic – Indicates that a periodic special inspection is required		and Acc	eptance (LEA) Program. See CAC Section 4-335. ect Inspector) – Indicates that the special inspection may be performe
	C1. CAST-IN-PLACE CONCRETE		by an ap	ial Inspection) – Indicates that the special inspection shall be performed propriately qualified/approved special inspector.	Test	t – Indicates that a test is required		inspecto SI (Spec	or when specifically approved by DSA. cial Inspection) – Indicates that the special inspection shall be perform
	Test or Special Inspection       Image: Constraint of the special speci	Type Periodic	Performed By SI	Table 1705A.3 Item 5, 1910A.1.		S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND A Test or Special Inspection		FOR STRUCTL	ppropriately qualified/approved special inspector. URAL PURPOSES Code References and Notes
	b. Identify, sample, and test reinforcing steel.      C. During concrete placement, fabricate specimens     for strength tests, perform slump and air content	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 28.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)           Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.		<ul> <li>a. Verify identification of all materials and:</li> <li>Mill certificates indicate material properties that comply with requirements.</li> <li>Material insections and grades comply with</li> </ul>	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * special inspector or qualified technician when performed off-site.
	tor strength tests, perform sump and air content tests, and determine the temperature of the concrete.	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.		Material sizes, types and grades comply with requirements.      D. Test unidentified materials	Test	LOR	2202A.1.
	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.		c. Examine seam welds of HSS shapes d. Verify and document steel fabrication per DSA- approved construction documents.	Periodic Periodic	SI SI	DSA IR 17-3. Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
	f. Welding of reinforcing steel.	Provide spec	cial inspection p	(See Appendix (end of this form) committee per Productions.) er STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		e. Buckling restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.
_	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN/		CTION C1):			S/A2. HIGH-STRENGTH BOLTS: Test or Special Inspection	Туре	Performed By	
	Test or Special Inspection           a. Sample and test prestressing tendons and	Type Test	Performed By	Code References and Notes 1705A.3.4, 1910A.3		a. Verify identification markings and manufacturer's certificates 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.; J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-
	anchorages.  b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.		b. Test high-strength bolts, nuts and washers. c. Bearing-type ("snug tight") connections.	Test Periodic	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8. Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3
	Test or Special Inspection           C. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Type Periodic	Performed By SI	Code References and Notes Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.		d. Pretensioned and slip-critical connections.	•	SI	M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9. Table 1705A.2.1 Items 2b & 2c, 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. ***Castinue: a strateging database the lichtenia method law and the line of
	d. Inspect application of post-tensioning or     prestressing forces and grouting of bonded	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-14 Section 26.13		S/A3. WELDING:			**Continuous" or "Periodic" depends on the tightening method uses
	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C	1):			V	Test or Special Inspection a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents	Type Periodic	Performed By SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 i structural steel; AWS D1.2 for Aluminum; AWS D1.1 for cold-formed
	Test or Special Inspection           a. Inspect fabrication of precast concrete members.	Type Continuous		ACI 318-19 Section 26.13.	V	and the WPS. b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	steel; AWS D1.4 for reinforcing steel; DSA IR 12.5. DSA IR 17-3.
	b. Inspect erection of precast concrete members.     c. For precast concrete diaphragm connections or     reinforcement at joints classified as moderate or high	Periodic Continuous	SI*	Table 1705A.3 Item 10. * May be performed by Pl when specifically approved by DSA.           Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5		c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for:					S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3): Test or Special Inspection a. Inspect groove welds, multi-pass fillet welds, single pass		Performed By SI	Code References and Notes Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as
	1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints.					fillet welds > $5/16^{\circ}$ , plug and slot welds. b. Inspect single-pass fillet welds $\leq 5/16^{\circ}$ , floor and roof deck welds.	Periodic	SI	And Source 1, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable): DSA IR 17-3.
	3. Completion of connections in the field.     d. Inspect installation tolerances of precast concrete	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5	V	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
	diaphragm connections for compliance with ACI 550.5. C4. SHOTCRETE (IN ADDITION TO SECTION C1): Test or Special Inspection	Turne	Desformed Ru	Code Deferences and Nates		d. Verification of reinforcing steel weldability other than ASTM A706. e. Inspect welding of reinforcing steel.	Periodic Continuous	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reporte on mill certificates. Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2,
	a. Inspect shotcrete placement for proper application techniques.	Type Continuous	Performed By	Code References and Notes           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.		Test or Special Inspection S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):	Туре	Performed By	1903A.8; AWS D1.4; DSA IR 17-3. Code References and Notes
	b. Sample and test shotcrete (fc).	Test	LOR	1908A.2, 1705A.3.9		S/AS. FIELD WELDING (IN ADDITION TO SEE HON S/AS): Test or Special Inspection a. Inspect groove welds, multi-mass fillet welds, single pass	Type Continuous	Performed By SI	Code References and Notes Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (AISC 341-16 as
	C5. POST-INSTALLED ANCHORS: Test or Special Inspection	Туре	Performed By			fillet welds > $5/16^{\circ}$ , plug auf slot welds. b. Inspect single-parallel welds $\leq 5/16^{\circ}$ .	Periodic	SI	applicable); DSA IR 17-3. Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable
	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.		c. Inspect ind-welded studs (ASTM A-108) installation (incluing bend test).	Periodic	SI	DSA IR 17-3. 2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)		. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 a applicable); AWS D1.3; DSA IR 17-3.
	C6. OTHER CONCRETE:					e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; 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.
	Test or Special Inspection a.	Туре		Code References and Notes		f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1 DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL ANI Test or Special Inspection           Image: Comparison of a comparison of c	D ALUMINUM US Type Periodic	ED FOR STRUCT			g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
	Mill certificates indicate material properties that compl with requirements.     Material sizes, types and grades comply with requirements.			A3.2, AISI 5240-20 Section A3 & A5, AISI 5220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.		h. Inspect welding of reinforcing steel. Test or Special Inspection	Continuous Type	SI Performed By	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.           Code References and Notes
	Image: Second	Test	LOR	2202A.1. DSA IR 17-3.		S/A6. NONDESTRUCTIVE TESTING: Test or Special Inspection	Туре	Performed By	
	d. Verify and dowment steel fabrication per DSA- approved construction documents.       e. Buckling restrained braces	Periodic	SI	Not applicable to cold-formed steel lightware construction, except for trusses (1705A.2.4). Testing and special inspection accordance with IR 22-4.	V	a. Ultrasonic	Test	LOR	<b>1705A.2.1, 1705A.2.5;</b> AISC 341-16 J6.2, AISC 360-16 N5.5; AV D1.1, AWS D1.8; DSA IR 17-2.
	S/A2. HIGH-STRENGTH BOLTS:				V	b. Magnetic Particle	Test	LOR	<b>1705A.2.1, 1705A.2.5;</b> AISC 341-16 J6.2, AISC 360-16 N5.5; AV D1.1, AWS D1.8; DSA IR 17-2.
	Test or Special Inspection           a. Verify identification markings and manufacturen certificates of compliance conform to ASTM standards	Type Periodic	Performed By SI	Code References and Notes Table 705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, JPF, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.		C.	Test	LOR	
	specified in the DSA-approved documents.           L         b. Test high-strength bolts, nuts and washers.	Test	LOP	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.		S/A7. STEEL JOISTS AND TRUSSES:			
	c. Bearing-type ("snug tight") connections.         d. Pretensioned and slip-critical connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J.3.1, J.3.2,           M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.           Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16		Test or Special Inspection a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material;	Type Continuous	SI	Code References and Notes 1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.
				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.		verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.			
	S/A3. WELDING: Test or Special Inspection Z a. Verify weld filler material identification markings per	Type Periodic	Performed By	Code References and Notes 1705A.2.5, Table 1745A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for		S/A8. SPRAYED FIRE-RESISTANT MATERIALS: Test or Special Inspection			Code References and Notes
	AWS designation listed on the Darapproved document and the WPS.		SI	structural steel; AWS DT Stor Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3. DSA IR 17-3.		<ul> <li>Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA- approved documents.</li> </ul>	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.
	compliance.           Image: C. Verify WPB welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.		b. Test density. c. Bond strength adhesion/cohesion.	Test Test	LOR	1705A.15.1, 1705A.15.5, ASTM E736 1705A.15.1, 1705A.15.4, ASTM E605
	Test or Special Inspection	Туре	Performed By			S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	<ul> <li>☑ a. Inspect groove welds, multi-pass fillet welds, single pa fillet welds &gt; 5/16", plug and slot welds.</li> <li>☑ b. Inspect single-pass fillet welds ≤ 5/16", floor and roof</li> </ul>	Periodic	si Si Si	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.           1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and		Test or Special Inspection a. Anchor Bolts and Anchor Rods	Type Test	Performed By LOR	Code References and Notes Sample and test anchor bolts and anchor rods not readily identifiab per procedures noted in DSA IR 17-11.
	deck welds.           Image: Construct a construction of stairs and railing systems.	Periodic	SI	AISC 341-16 as applicable); DSA IR 17-3. 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.		b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedur noted in DSA IR 17-11.
	d. Verification of reinforcing steel weldability other than ASTM A706.         e. Inspect welding of reinforcing steel.	Periodic	SI SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates. Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2,		S/A10. STORAGE RACK SYSTEMS: Test or Special Inspection	Type	Performed By	Code References and Notes
	Test or Special Inspection S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A	Type 3):	Performed By	1903A.8; AWS D1.4; DSA IR 17-3. Code References and Notes		a. Materials used, to verify compliance with one or more     of the material test reports in accordance with the     boroved construction documents.	Type Periodic	SI	Table 1705A.13.7
	Test or Special Inspection           a. Inspect groove welds, multi-pass fillet welds, single patifilet welds > 5/16°, plug and slot welds.	Type ass Continuous	Performed By	Code References and Notes Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (AISC 341-16 as applicable) DSA IR 17-3.		b. Fable ated storage rack elements.	Periodic	SI	1704A.2.5; Table 1705A.13.7
	D. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable);           DSA IR 17-3.		Test or Special In section c. Storage rack anchorage installation.	Type Periodic	Performed By SI	Code References and Notes     ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).         d. Inspect floor and roof deck welds.	Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3. 1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as		d. Completed storage rack system indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7; * May be preformed by the project inspector whe specifically approved by DSA.
	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	applicable); AWS D1.3; DSA IR 17-3. 1705A.2.5; 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.		S/A11. Other Steel	- 1		
	f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.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		Test or Special Inspection a.	Туре	Performed By	Code References and Notes
	g. Verification of reinforcing steel weldability.	Periodic	SI	Son in 7-5. Way be performed by the project inspector when specifically approved by DSA. 1705A.31, AWS D14, DSA IR 17-3. Verify carbon equivalent reported on mill certificates.	desig be io	gn professional are NOT subject to DSA requireme dentified on the approved construction docume	nts for the stru	cturel tests /	and those items identified below with a check mark by the special inspections noted. <u>Items marked as exempt shall</u> shall verify all construction complies with the approved
	h. Inspect welding of reinforcing steel.	Continuous		Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.		struction documents.			
	Test or Special Inspection S/A6. NONDESTRUCTIVE TESTING: Test or Special Inspection	Туре	Performed By			1. Deep foundations acting as a cantilever footing wit geotechnical report for the following cases: A) free sta poles, flag poles, poles supporting open mesh fences	nding sign or s	coreboard, B)	
	a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.		or D) covered walkway structure with an apex height 2. Shallow foundations, etc. are exempt from special i	less than 10'-0" hspections and	above adjacer testing by a G	
	b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.		(not exceeding 12" depth per CBC Section 1804A.6), E	) soil scarificatio	on/recompacti	
	<b>C</b> .	Test	LOR			CONCRETE/MASONRY:			
	S/A7. STEEL JOISTS AND TRUSSES: Test or Special Inspection	Туре	Performed By	Code References and Notes		1. Post-installed anchors for the following: A) exempt item 7 for "Welding" in the Appendix below) given in wall partitions meeting criteria listed in exempt item	CBC Section 16	17A.1.18 (whic	ch replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural
	<ul> <li>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)</li> </ul>		i SI	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.		2. Concrete batch plant inspection is not required for in that section.			
	verify all weld locations, lengths and profiles; mark or tag each joist. Test or Special Inspection	Туре	Performed By	Code References and Notes		<ol> <li>Non-bearing non-shear masonry walls may be exer IR 21-1. Refer to construction documents for specific 4. Epoxy shear dowels in site flatwork and/or other no</li> </ol>	exemptions acc	ordingly for ea	y testing and special inspection items as allowed per DSA ach applicable wall condition.
	S/A8. SPRAYED FIRE-RESISTANT MATERIALS: Test or Special Inspection	Туре		Code References and Notes		CONCRETE/MASONRY: 5. Testing of reinforcing bars is not required for items	given in CBC Se	ction 1910A.2	subject to the requirements and limitations
	<ul> <li>a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA- approved documents.</li> </ul>	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.		in that section.			
	b. Test density.       c. Bond strength adhesion/cohesion.	Test Test	LOR	1705A.15.1, 1705A.15.5, ASTM E736 1705A.15.1, 1705A.15.4, ASTM E605		less than 8'-0" above lowest adjacent grade. When lo	ated above circ		es with a maximum rolling section of 10' all having an apex heigh supied space below, these gates/fences are not located within 1.5
	S/A9. ANCHOR BOLTS AND ANCHOR RODS:					gate/fence height (max 8'-0") to the edge of floor or r 2. Handrails, guardrails, and modular or relocatable re connections per the 'Exception' language in Section 1	mps associated		surfaces less than 30" above adjacent grade (excluding post base
	Test or Special Inspection       a. Anchor Bolts and Anchor Rods	Type Test	Performed By LOR	Code References and Notes Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.		3. Non-structural interior cold-formed steel framing s weight and light-weight finishes or adhered tile, mass	panning less that	an 15'-0", such erra cotta vene	as in interior partitions, interior soffits, etc. supporting only self eer no more than 5/8" thickness and apex less than 20'-0" in heig
	D. 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.		<ul><li>wall for a header or king stud.</li><li>4. Manufactured support frames and curbs using hot</li></ul>	olled or cold-fo	ormed steel (i.e	e equivalent of that occurring from a 10'x10' opening in a 15' tall e., light gauge) for mechanical, electrical, or plumbing equipmen
	S/A10. STORAGE RACK SYSTEMS: Test or Special Inspection	Туре	Performed By			weighing less than 2000# (equipment only) (connection noted in selected item(s) for Sections S/A3, S/A4 and/	ons of such fran or S/A5 of listing	nes to superst g above).	ructure elements using welding will require special inspection as ical, or plumbing hanger support and bracing (connections of su
	a. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.      b. Fabricated at because the language		SI	Table 1705A.13.7		components to superstructure elements using weldir of listing above).	g will require s	pecial inspecti	ion as noted in selected item(s) for Sections S/A3, S/A4 and/or S/
	b. Fabricated storage rack elements.      Test or Special Inspection	Periodic	SI Performed By			etc.) (connections of such elements to superstructure S/A3, S/A4 and/or S/A5 located in the Steel/Aluminur	elements using a category of lis	welding will r ting above).	al equipment (e.g., playground structures, basketball backstops, require special inspection as noted in selected item(s) for section
	c. Storage rack anchorage installation.     d. Completed storage rack system to indicate compliance	Periodic	SI SI*	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7 Table 1705A.13.7; * May be preformed by the project inspector when			ind resulting co	mposite cente	.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the er of mass (including component's center of mass) $\leq$ 4' above ts or <5 plf for distributed systems.
	with the approved construction documents.	0000C	01	Table 1705A 13.7; * May be preformed by the project inspector when specifically approved by DSA.		1. Structural Testing and Inspection: Laboratory Verified	Report Form D	SA 291	
	S/A11. Other Steel Test or Special Inspection a.	Туре	Performed By	Code References and Notes		2. DSA 292	Form DSA 291,	or, for indeper	ndently contracting SI, Special Inspection Verified Report Form
			1						

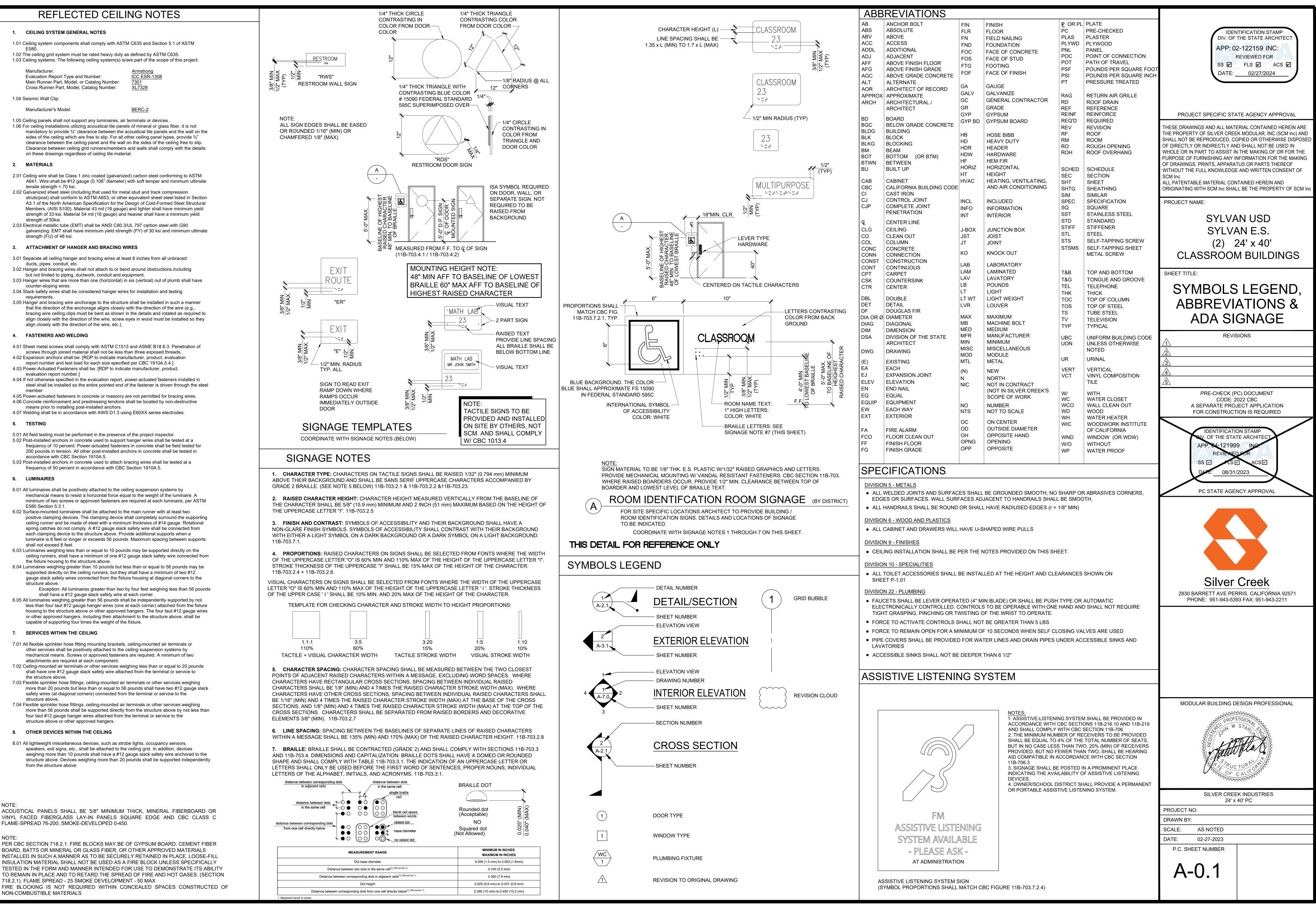
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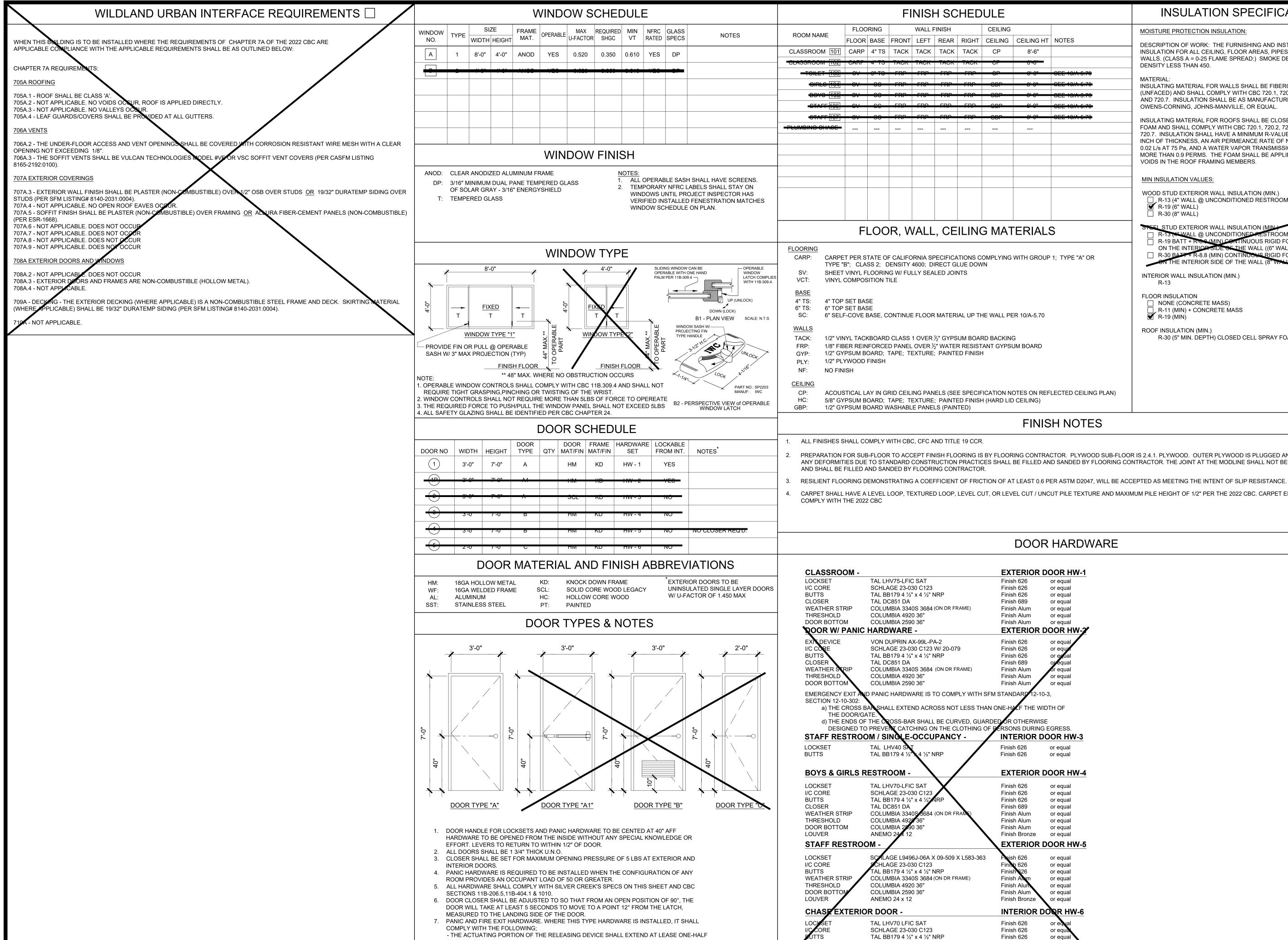
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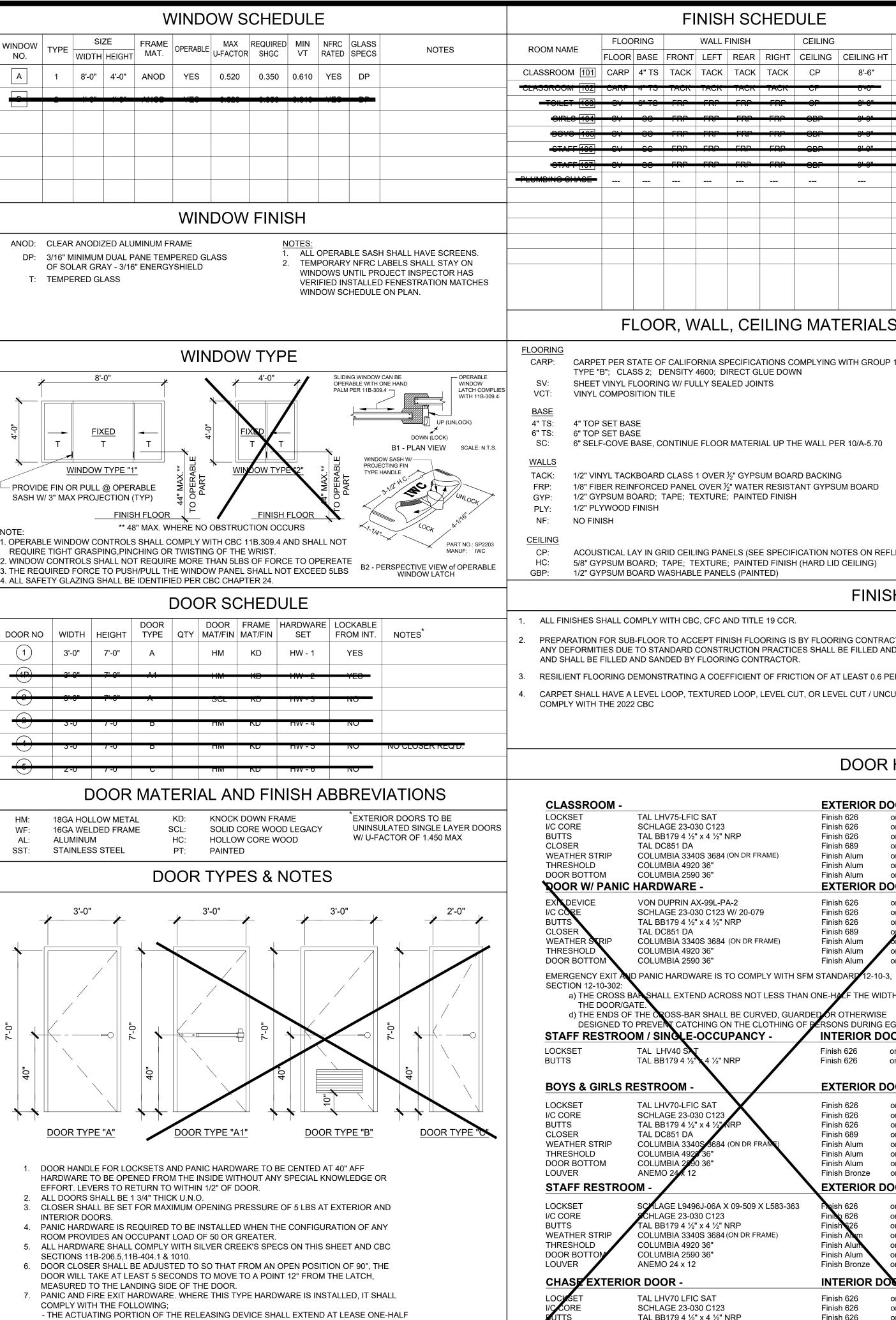
	t limited to, special inspections not listed on this fo framing, anchorage of non-structu	orm such as s ural compone	tructural wood ents, etc., per T	ng inspection of all facets of construction, including but I framing, high-load wood diaphragms, cold-formed steel itle 24, Part 2, Chapter 17A (2022 CBC). nt are from the CBC, or California Banding Code.	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122159 INC:
	D COLUMNS 1. TYPE		2.	PERFORMED BY echnical Engineer) indicates that the special inspection shall be	REVIEWED FOR
onti equir	nuous – Indicates that a continuous special inspection is ed		performe represent LOR (Lab be perfor	d by a registered solution of the second solution of the second solution of the second solution of the second solution of the SA Laboratory Evaluation	SS 🗹 FLS 🗹 ACS 📿 DATE: <u>02/27/2024</u>
	dic – Indicates that a periodic special inspection is required		by a proje	ptance (LEA) Program. See CAC Section 4-335. ct Inspector) – Indicates that the special inspection may be performed ct when specifically approved by DSA.	
	Indicates that a test is required C1. CAST-IN-PLACE CONCRETE		by an app	al Inspection) – Indicates that the special inspection shall be performed ropriately qualified/approved special inspector.	PROJECT SPECIFIC STATE AGENCY APPROVAL
	Test or Special Inspection a. Verify use of required design mix. b. Identify, sample, and test reinforming steel.	Type Periodic Test	Performed By SI LOR	Code References and Notes Table 1705A.3 Item 5, 1910A.1. 1910A.2: ACI 318-19 Ch.20 and Section 26.6.1.2: DSA IR 17-10. (See	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN
	c. During concrete placement, fabricate specimens for strength tests, pupper of the state of the tests, and determine the temperature of the concrete.	Test	LOR	Appendix (end of this form) for exemptions.) Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.	THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Ind SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DIS OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN
	d. Testeoncrete (f°.). 9. Batch plant inspection: Periodic	Test See Notes	LOR	1905A.1.17; ACI 318-19 Section 26.12. 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.)	WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR PURPOSE OF FURNISHING ANY INFORMATION FOR THE MA OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT
	f. Welding of reinforcing steel.	Provide speci	al inspection pe	r STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.	SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF S
	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADI Test or Special Inspection a. Sample and test prestressing tendons and	DITION TO SEC Type Test	TION C1): Performed By LOR	Code References and Notes 1705A.3.4, 1910A.3	
2	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.	PROJECT NAME:
	Test or Special Inspection c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Type Periodic	Performed By SI	Code References and Notes Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.	SYLVAN USD
-	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-14 Section 26.13	SYLVAN E.S. (2) 24' x 40'
	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1): Test or Special Inspection a. Inspect fabrication of precast concrete members.	Type Continuous	Performed By	Code References and Notes ACI 318-19 Section 26.13.	CLASSROOM BUILDING
	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.	SHEET TITLE:
	<ul> <li>c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for:</li> <li>1. Installation of the embedded parts</li> <li>2. Completion of the continuity of reinforcement across joints.</li> <li>3. Completion of connections in the field.</li> </ul>	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5	T & I FORMS
	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5. C4. SHOTCRETE (IN ADDITION TO SECTION C1):	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5	
	Test or Special Inspection a. Inspect shotcrete placement for proper application techniques.	Type Continuous	Performed By SI	Code References and Notes 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.	REVISIONS
	b. Sample and test shotcrete (f°.). C5. POST-INSTALLED ANCHORS:	Test	LOR	1908A.2, 1705A.3.9	
	Test or Special Inspection a. Inspect installation of post-installed anchors	Type See Notes	Performed By SI*	Code References and Notes 1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI	3
	h Test part lash "			318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.	<u> </u>
	b. Test post-installed anchors. C6. OTHER CONCRETE:	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)	PRE-CHECK (PC) DOCUMENT
$\rightarrow$	Test or Special Inspection	Туре	Performed By	Code References and Notes	CODE: 2022 CBC A SEPARATE PROJECT APPLICATION
	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND A Test or Special Inspection a. Verify identification of all materials and:	LUMINUM USE Type Periodic		AL PURPOSES Code References and Notes Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 &	FOR CONSTRUCTION IS REQUIRED
	a. verny identification or all materials and: with requirements. • Material sizes, types and grades comply with requirements. b. Test unidentified materials	Test	LOR	1 able 1 705A.2.1 tem 3a = 3c. 2202A.1; AllS 1500-20 Section A3.1 &         A32, AlSI S240-20 Section A3 & A5, AlSI S20-20 Sections A4 & A6 * By special inspector or qualified technician when performed off-site.         2202A.1.	IDENTIFICATION STAMP NV. OF THE STATE ARCHITECT
	c. Examine seam welds of HSS shapes d. Verify and document steel fabrication per DSA- approved construction documents.	Periodic Periodic	SI	DSA IR 17-3. Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).	APP. 84-121999 INC: REVIEWED FOR
	e. Buckling restrained braces.	Test	LOR	for trusses (1705A.2.4). Testing and special inspections in accordance with IR 22-4.	
	S/A2. HIGH-STRENGTH BOLTS: Test or Special Inspection a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards	Type Periodic	Performed By SI	Code References and Notes           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.	DATE: 08/31/2023
	specified in the DSA-approved documents. b. Test high-strength bolts, nuts and washers.	Test		Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.	PC STATE AGENCY APPROVAL
	c. Bearing-type ("snug tight") connections. d. Pretensioned and slip-critical connections. S/A3. WELDING: Test or Special Inspection	Periodic * Type	SI SI Performed By	Table 1705A.2.1 Item 2a, 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.           Table 1705A.2.1 Items 2b & 2c, 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.           Code References and Notes	
7	a. Verify weld filler material identification markings per AVS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.	
Z	b. Verify weld filler material manufacturer's certificate of compliance. c. Verify WPS, welder qualifications and equipment. S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):	Periodic Periodic	SI SI	DSA IR 17-3. DSA IR 17-3.	
V	Test or Special Inspection a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16°, plug and slot welds.	Type Continuous	Performed By SI	Code References and Notes Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.	
	<ul> <li>b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.</li> <li>c. Inspect welding of stairs and railing systems.</li> </ul>	Periodic Periodic	SI SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3. 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1 3: DSA 18 7.3.	Silver Creek
	d. Verification of reinforcing steel weldability other than ASTM A706. e. Inspect welding of reinforcing steel.	Periodic	SI	D1.3; DSA IR 17-3. 1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates. Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2,	2830 BARRETT AVE PERRIS, CALIFORNIA 9257 PHONE: 951-943-5393 FAX: 951-943-2211
	e, inspect weiging or reinforcing steel. Test or Special Inspection S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):	Туре	Performed By	Table 1705A.2.1 (tem 50, 1705A.3.), Table 1705A.3 (tem 2, 1903A.8; Avis D1.4; DSA 18 17-3.           Code References and Notes	
	Test or Special Inspection a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16°, plug and slot welds. b. Inspect single-pass fillet welds ≤ 5/16°.	Type Continuous Periodic	Performed By SI	Code References and Notes Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3. Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable);	
	Inspect single-pass linet werds 5 57 fo .     Inspect end-welded 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. e. Inspect welding of structural cold-formed steel.	Periodic Periodic	SI SI*	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable): AWS D1.3; DSA IR 17-3. 1705A.2.5; AWS D1.3; DSA IR 17-3. 1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of	
	f. Inspect welding of stairs and railing systems.	Periodic	SI*	AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA. 1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3;	
	g. Verification of reinforcing steel weldability.	Periodic	SI	DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA. 1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent	
	h. Inspect welding of reinforcing steel.	Continuous	SI Defermed By	reported on mill certificates. Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3. Code Defension and Materia	MODULAR BUILDING DESIGN PROFESSIONAL
	Test or Special Inspection S/A6. NONDESTRUCTIVE TESTING: Test or Special Inspection	Туре	Performed By Performed By	Code References and Notes Code References and Notes	PROFESSION
-	a. Ultrasonic	Test	LOR	<b>1705A.2.1, 1705A.2.5;</b> AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.	THE PROVIDENCE AND A CONTRACT OF THE PROVIDENCE AND A CONTRACT. A CONTRACT OF THE PROVIDENCE AND A CONTRACT OF THE PROVIDENCE AND A CONTRACT. A CONTRACT OF THE PROVIDENCE AND A CONTRACT OF THE PROVIDENCE AND A CONTRACT. A CONTRACT OF THE PROVIDENCE AND A CONTRACT
	b. Magnetic Particle c.	Test Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.	La totala
_	S/A7. STEEL JOISTS AND PUSSES: Test or Special Inspection	Туре	Performed By	Code References and Notes	AND RUCTURE A
	a. Verify size, type and grade for all chore and web members as well as connectors and weld mer material; verify joist profile, dimensions and camber (if an Ilcable); verify all weld locations, lengths and profiles; mark. tag	Continuous	SI	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.	OF CALIFORN
	each joist.				SILVER CREEK INDUSTRIES
			$\overline{\ }$		24' x 40' PC PROJECT NO:
					DRAWN BY: SCALE: AS NOTED
					DATE: 02-27-2023 P.C. SHEET NUMBER
				<b>\</b>	A-0B



718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS

NOTE

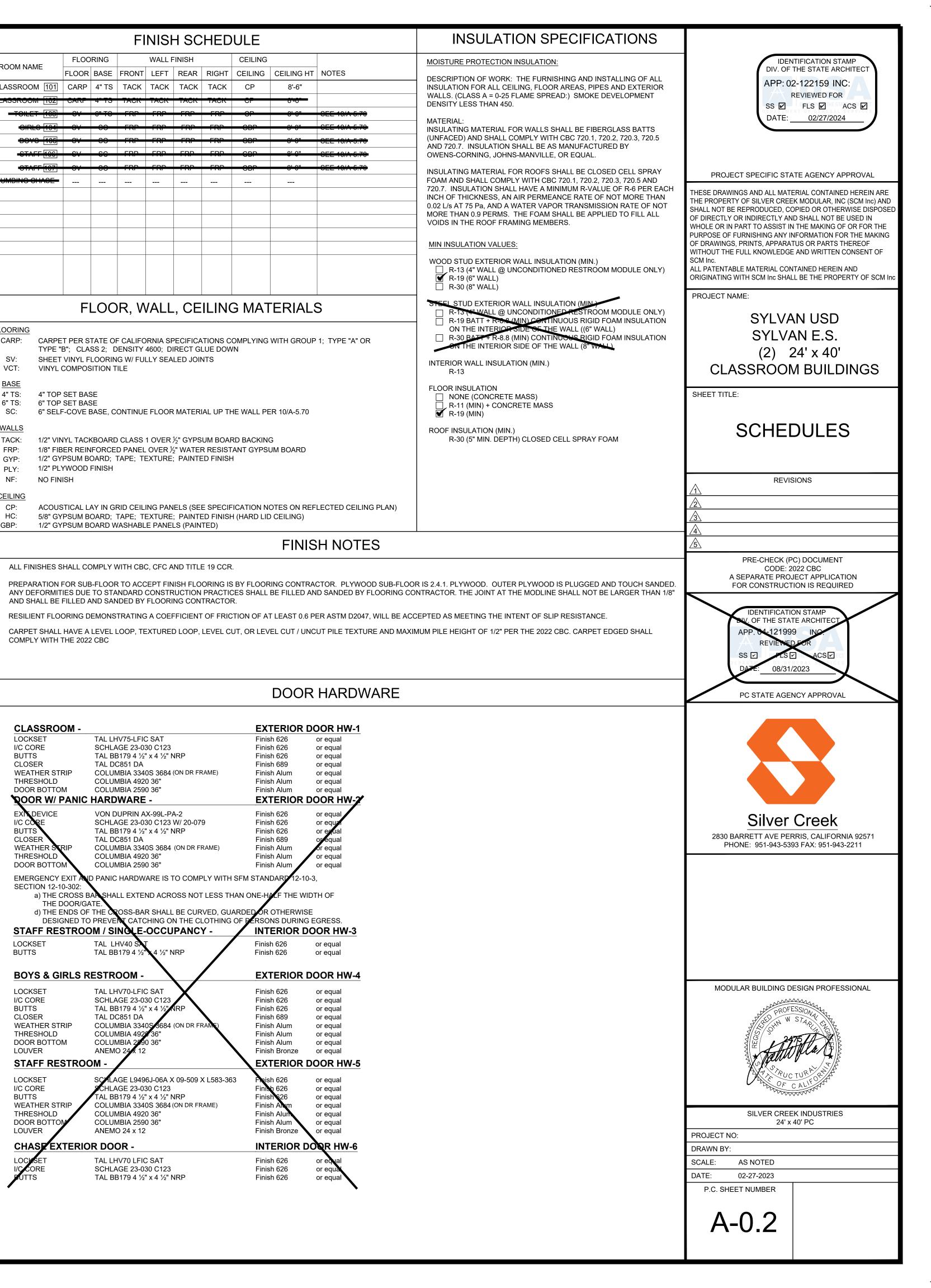


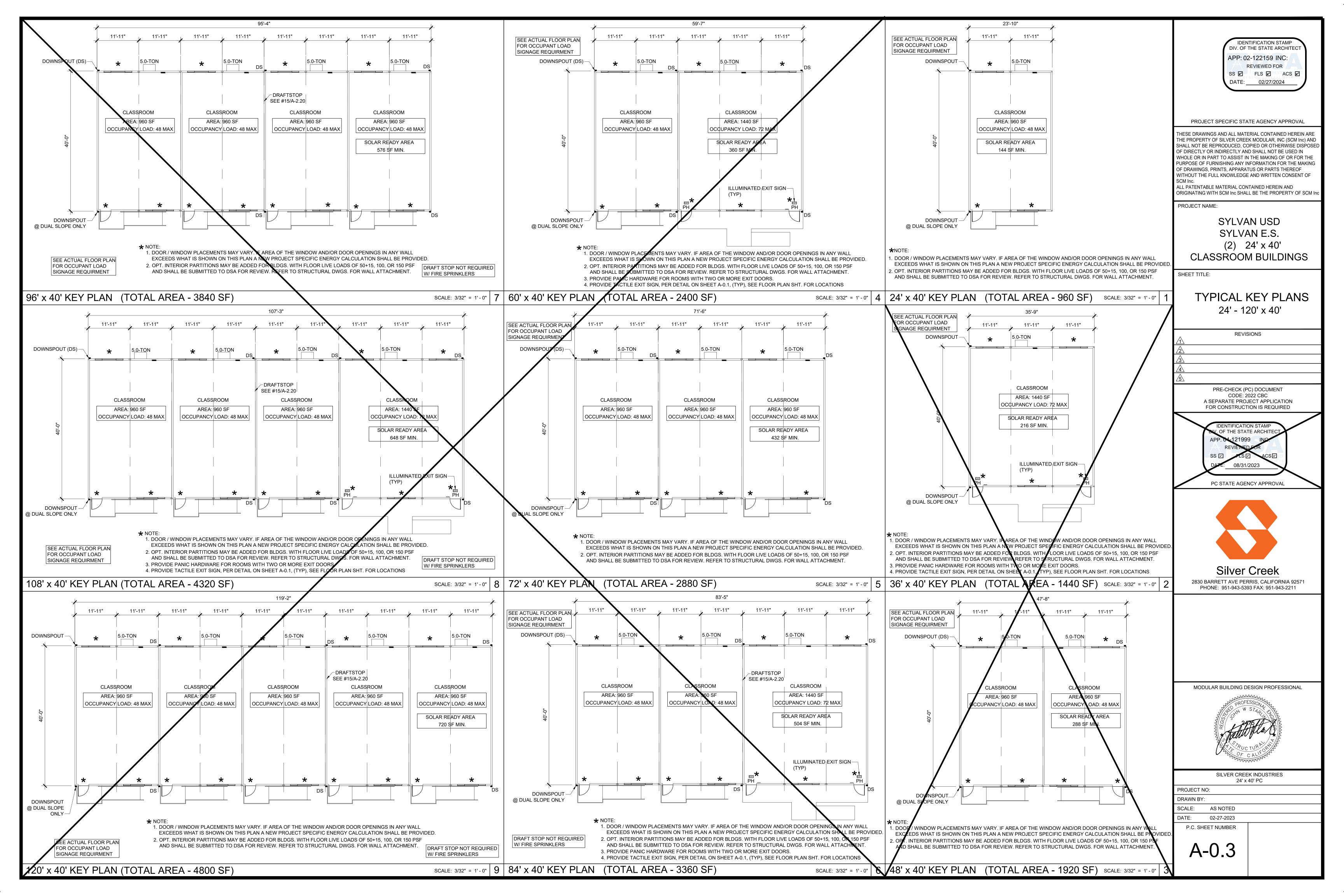


- OF THE DOOR LEAF WIDTH. - THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER
- 'U' SHAPED HANDLES. 9. ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL

THE 2022 CBC, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10 8. ALE HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR

NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE. 10. FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.





Zone Zip Code (Weather Station)	Rotation	24x40         (1) 5-ton unit         TDV Eff.       %         TDV Total       %	Image: Second system       Image: Second system <th< th=""><th>□ <b>48x40</b> (2) 5-ton units</th><th>□ 60x40 (2) 5-ton units</th></th<>	□ <b>48x40</b> (2) 5-ton units	□ 60x40 (2) 5-ton units
<b>Zone 14</b> 92301 (PALMDALE)	30 75 120 165 210 255 300 345	75.6818.0%75.6818.0%6.9819.3%0.0%78.2218.3%78.2218.3%7.2619.8%0.0%78.8218.5%78.8218.5%7.2719.8%0.0%69.0616.8%69.0616.8%6.3917.9%0.0%72.3817.4%72.3817.4%6.6518.5%0.0%74.2417.7%74.2417.7%6.8719.0%0.0%75.1717.9%75.1717.9%6.9319.2%0.0%68.0116.6%68.0116.6%6.3217.9%0.0%	95.3126.2%95.3126.2%8.7728.3%PASS98.3126.5%98.3126.5%9.0528.8%PASS97.9126.5%97.9126.5%8.9928.7%PASS88.7025.0%88.7025.0%8.1326.9%PASS95.5126.3%95.5126.3%8.7528.3%PASS98.8026.7%98.8026.7%9.0728.9%PASS98.0826.6%98.0826.6%8.9828.7%PASS87.6824.8%87.6824.8%8.0426.7%PASS	(2) 24x40 CLASSROOMS	(1) 24x40 CLASSROOM + (1) 36x40 CLASSROOM
Zone 15 92225 (PALM SPRINGS)	30 75 120 165 210 255 300 345	72.1416.8%72.1416.8%6.7920.9%0.0%76.9417.6%76.9417.6%7.2221.9%0.0%78.0217.8%78.0217.8%7.3422.2%0.0%67.8916.1%67.8916.1%6.4120.1%0.0%68.2616.1%68.2616.1%6.5320.3%0.0%70.5216.4%70.5216.4%6.8020.9%0.0%67.8715.9%67.8715.9%6.6120.5%0.0%65.7615.6%65.7615.6%6.2719.7%0.0%	7.512.6%7.512.6%0.512.5%PASS6.592.2%6.592.2%0.522.6%PASS7.892.7%7.892.7%0.552.7%PASS16.785.6%16.785.6%0.562.8%PASS15.355.2%15.355.2%0.462.3%PASS8.562.9%8.562.9%0.663.3%PASS8.022.7%8.022.7%0.562.8%PASS8.182.8%8.182.8%0.432.2%PASS		
<b>Zone 16</b> 96006 (BLUE CANYON)	30 75 120 165 210 255 300 345	53.5815.0%53.5815.0%19.9633.1%0.0%56.5615.7%56.5615.7%20.0633.2%0.0%54.7015.2%54.7015.2%19.9633.0%0.0%43.8512.6%43.8512.6%19.5832.7%0.0%57.0015.8%57.0015.8%20.1633.3%0.0%60.1816.5%60.1816.5%20.1633.3%0.0%56.3915.6%56.3915.6%19.8833.0%0.0%46.5413.3%46.5413.3%19.5232.7%0.0%	70.8222.8%70.8222.8%19.5038.6%PASS74.4723.6%74.4723.6%19.5538.6%PASS70.4422.6%70.4422.6%19.3138.2%PASS63.4921.0%63.4921.0%19.0538.0%PASS71.6423.0%71.6423.0%19.5138.6%PASS74.6423.7%74.6423.7%19.5438.6%PASS70.1422.5%70.1422.5%19.3238.3%PASS63.6821.0%63.6821.0%19.1038.1%PASS		
		□ <b>84x40</b> (3) 5-ton units	□ 96x40 (4) 5-ton units	□ <b>108x40</b> (4) 5-ton units	□ <b>120x40</b> (5) 5-ton units
		(2) 24x40 CLASSROOMS + (1) 36x40 CLASSROOM	(4) 24x40 CLASSROOMS	(3) 24x40 CLASSROOMS + (1) 36x40 CLASSROOM	(5) 24x40 CLASSROOMS

Zone Zip Code (Weather Station)	Rotation	Z4x40         (1) 5-ton unit         TDV Eff.       %         TDV Total       %	I 36x40         (1) 5-ton unit         (1) 5-ton unit         (1) 5-ton unit         (2) 5-ton units         TDV Eff.       %       TDV Total       %       Result         95.31       26.2%       95.31       26.2%       8.77       28.3%       PASS         98.21       26.5%       98.21       26.5%       9.05       28.9%       PASS		□ <b>60x40</b> (2) 5-ton units
<b>Zone 14</b> 92301 (PALMDALE)	30           75           120           165           210           255           300           345	<b>75.68</b> 18.0% <b>75.68</b> 18.0% <b>6.98</b> 19.3% <b>0.0%78.22</b> 18.3% <b>78.22</b> 18.3% <b>7.26</b> 19.8% <b>0.0%78.82</b> 18.5% <b>78.82</b> 18.5% <b>7.27</b> 19.8% <b>0.0%69.06</b> 16.8% <b>69.06</b> 16.8% <b>6.39</b> 17.9% <b>0.0%72.38</b> 17.4% <b>72.38</b> 17.4% <b>6.65</b> 18.5% <b>0.0%74.24</b> 17.7% <b>74.24</b> 17.7% <b>6.87</b> 19.0% <b>0.0%75.17</b> 17.9% <b>75.17</b> 17.9% <b>6.93</b> 19.2% <b>0.0%68.01</b> 16.6% <b>68.0116.6%6.32</b> 17.9% <b>0.0%</b>	95.3126.2%95.3126.2%8.7728.3%PASS98.3126.5%98.3126.5%9.0528.8%PASS97.9126.5%97.9126.5%8.9928.7%PASS88.7025.0%88.7025.0%8.1326.9%PASS95.5126.3%95.5126.3%8.7528.3%PASS98.8026.7%98.8026.7%9.0728.9%PASS98.0826.6%98.0826.6%8.9828.7%PASS87.6824.8%87.6824.8%87.6826.7%PASS	(2) 24x40 CLASSROOMS	(1) 24x40 CLASSROOM + (1) 36x40 CLASSROOM
<b>Zone 15</b> 92225 (PALM SPRINGS)	30         75         120         165         210         255         300         345	72.1416.8%72.1416.8%6.7920.9%0.0%76.9417.6%76.9417.6%7.2221.9%0.0%78.0217.8%78.0217.8%7.3422.2%0.0%67.8916.1%67.8916.1%6.4120.1%0.0%68.2616.1%68.2616.1%6.5320.3%0.0%70.5216.4%70.5216.4%6.8020.9%0.0%67.8715.9%67.8715.9%6.6120.5%0.0%65.7615.6%65.7615.6%6.2719.7%0.0%	7.512.6%7.512.6%0.512.5%PASS6.592.2%6.592.2%0.522.6%PASS7.892.7%7.892.7%0.552.7%PASS16.785.6%16.785.6%0.562.8%PASS15.355.2%15.355.2%0.462.3%PASS8.562.9%8.562.9%0.6663.3%PASS8.022.7%8.022.7%0.562.8%PASS8.182.8%8.182.8%0.432.2%PASS		
Zone 16 96006 (BLUE CANYON)	30 75 120 165 210 255 300 345	53.5815.0%53.5815.0%19.9633.1%0.0%56.5615.7%56.5615.7%20.0633.2%0.0%54.7015.2%54.7015.2%19.9633.0%0.0%43.8512.6%43.8512.6%19.5832.7%0.0%57.0015.8%57.0015.8%20.1633.3%0.0%60.1816.5%60.1816.5%20.1633.3%0.0%56.3915.6%56.3915.6%19.8833.0%0.0%46.5413.3%46.5413.3%19.5232.7%0.0%	70.8222.8%70.8222.8%19.5038.6%PASS74.4723.6%74.4723.6%19.5538.6%PASS70.4422.6%70.4422.6%19.3138.2%PASS63.4921.0%63.4921.0%19.0538.0%PASS71.6423.0%71.6423.0%19.5138.6%PASS74.6423.7%74.6423.7%19.5438.6%PASS70.1422.5%70.1422.5%19.3238.3%PASS63.6821.0%63.6821.0%19.1038.1%PASS		
		□ <b>84x40</b> (3) 5-ton units	□ <b>96x40</b> (4) 5-ton units	□ <b>108x40</b> (4) 5-ton units	□ <b>120x40</b> (5) 5-ton units
		(2) 24x40 CLASSROOMS + (1) 36x40 CLASSROOM	(4) 24x40 CLASSROOMS	(3) 24x40 CLASSROOMS + (1) 36x40 CLASSROOM	(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				

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

□ <b>72x40</b> (3) 5-ton units					
	(3) 24x40 CLASSROOMS				

	HVA	C Min Design - Zone: 1-16	
		Building: 24 x 40	
	Tonnage Min. EER / COP Outside Air Occupancy Sensor DCV/ Economizer Cooling Stages (Min.)	5 11.0/3. See Ventilation Calcs or Yes Yes 1	-
	Allowable Mechanical Unit (See Equipment Schedule)	SPVU 1 STANDARD	SPVU 2 OPTIONAL
1	HVA	C Min Design - Zone: 1-16	i
		Buildings: 36 x 40	
	Tonnage Min. EER / COP Outside Air Occupancy Sensor DCV/ Economizer Cooling Stages (Min.)	5 11.0/3. See Ventilation Calcs or Yes Yes 2	
	Allowable Mechanical Unit (See Equipment Schedule)		SPVU 2 STANDARD

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 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.

REVIEWED FOR SS I FLS I ACS I DATE: 02/27/2024
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: SYLVAN USD SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS
SHEET TITLE:
DESIGN ENERGY VALUES WOOD FLOOR - WALL HVAC
REVISIONS
$\overline{2}$
PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
AFP 04-121999 INC: REVIEWED FOR SS FLSEL 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
PROFESSION A PROFESSION A PR
PRUCTUR PORTA
SILVER CREEK INDUSTRIES 24' x 40' PC
PROJECT NO: DRAWN BY:
SCALE: AS NOTED DATE: 02-27-2023
DATE: 02-27-2023 P.C. SHEET NUMBER

A-0.53

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-122159 INC:

ENERGY SPECS

CEF	RTIFICATE OF COMPLIANCE - NO	NRESIDENTIAL PERFORMANCE COMPLIANCE MET	HOD				NRCC-PRF-E		
No	Ionresidential Performance Compliance Method (P.								
Pro	Project Name: 04-121999 - 24x40 - CONC FLR - RF HVAC Date Prepared:								
A. G	General Information								
1         Project Name         04-121999 - 24x40 - CONC FLR - RF HVAC									
2	Run Title								
3	Project Location	- specify -							
4	City	- specify -	5	Standards Version		Compliance 2022			
6	Zip code	92301	7	Compliance Software	(version)	CBECC 2022.2.1 SP1 (1298)			
8	Climate Zone	14	9	Building Orientation	(deg)	345			
10	Building Type(s)	Relocable Public School Building for use in all climate zones Occupancy: E	11	Weather File		PALMDALE_STYP20.epw			
12	Project Scope	New complete scope	13	Number of Dwelling	Units	0			
14	Total Conditioned Floor Area in Scope (ft <sup>2</sup> )	960	15	Total # of hotel/mote	l rooms	0			
16	Total Unconditioned Floor Area (ft <sup>2</sup> )	0	17	Fuel Type		Natural gas			
18	Nonresidential Conditioned Floor Area	960	19	Total # of Stories (Ha Above Grade)	bitable	1			
20	Residential Conditioned Floor Area	0							

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Nonresidential Performance Compliance Method

COMPLIES <sup>2</sup>							
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) <sup>1</sup>				
Space Heating	4.6	4.17	0.43				
Space Cooling	4.04	4.1	-0.06				
Indoor Fans	17.7	12.77	4.93				
Heat Rejection	0	0	0				
Pumps & Misc.	0	0	0				
Domestic Hot Water	6.48	6.49	-0.01				
Indoor Lighting	2.57	1.82	0.75				
Flexibility							
EFFICIENCY COMPLIANCE TOTAL	35.39	29.35	6.04 (17.1%)				
Photovoltaics							
Batteries							
TOTAL COMPLIANCE	35.39	29.35	6.04 (17.1%)				

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD Nonresidential Performance Compliance Method C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS<sup>1</sup> Non-Regulated Energy Component Standard Design (SOURCE) Proposed Design (SOURCE) Compliance Margin (SOURCE)<sup>1</sup> 4.92 Receptacle 4.92 Other Ltg Process Motors 6.04 (15%) TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS) 40.31 34.27 <sup>1</sup> Notes: This table is not used for Energy Code Compliance C6. 'ABOVE CODE' QUALIFICATIONS

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This project is pursuing CalGreen Tier 1

□ This project is pursuing CalGreen Tier 2

CERTIFICATE OF COMPLIANC	E - NONRESID	ENTIAL PERFOR	MANCE COMPLIANCE METH	HOD	)		NRCC-PRF-E
Nonresidential Performance	Compliance P	Vlethod					(Page 2 of 19)
B. PROJECT SUMMARY							
Table B shows which building of permit application.	components a	re included in the	performance calculation. I	f ind	licated as not inc	luded, the project must show compliance prescri	otively if within the
В	uilding Comp	onents Complyin	g via Performance			Building Components Complying Pre	scriptively
Envelope (See Table G)	Nonres MultiFam	Performance Not Included	Solar Thermal Water Heating (See Table I3)		Performance Not Included	The following building components are ONLY eligible for p and should be documented on the NRCC form listed if w permit application (i.e. compliance will not be shown of	ithin the scope of the
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see		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		Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
Table I)	MultiFam	Not Included	Table J)		Not Included	Building Components Complying with Mandatory Measu	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)		Performance	Electrical power systems, commissioning, solar escalator requirements are mandatory and sho on the NRCC form listed if applicable (i.e. com shown on the NRCC-PRF-E.)	uld be documented pliance will not be
	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
			Dattery (see lable r)	⊠	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

**COMPLIES<sup>3</sup>** 

Efficiency<sup>1</sup> (kBtu/ft<sup>2</sup> - yr)

410.64

351.62

59.02

Pass

Time Dependent Valuaton (TDV)

Total<sup>2</sup> (kBtu/ft<sup>2</sup> - yr)

410.64

351.62

59.02

Pass

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Source Energy Use

Total<sup>2</sup> (kBtu/ft<sup>2</sup> - yr)

35.39

29.35

6.04 Pass

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

<sup>1</sup> Efficiency measures include improvements like a better building envelope and more efficient equipment

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<sup>2</sup> Compliance Totals include efficiency, photovoltaics and batteries
<sup>3</sup> Building complies when efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded

Nonresidential Performance Compliance Method

C1. COMPLIANCE SUMMARY

Standard Design

Proposed Design

Compliance Margins

CERTIFICATE OF COMPLIANC	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD							
Nonresidential Performance	Compliance Method		-			(Page 8 of 19		
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	1	0.9	0.1					
Space Cooling	2.7	2.6	0.1					
Indoor Fans	6	4.4	1.6					
Heat Rejection								
Pumps & Misc.								
Domestic Hot Water	2.3	2.3	0					
Indoor Lighting	1.2	0.8	0.4					
Flexibility								
EFFICIENCY TOTAL	13.2	11	2.2	0	0	0		
Photovoltaics								
Batteries								
ENERGY USE SUBTOTAL	13.2	11	2.2	0	0	0		
Receptacle	2.5	2.5	0					
Process								
Other Ltg								
Process Motors								
ENERGY USE TOTAL	15.7	13.5	2.2	0	0	0		

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFOR	MANCE COMPLIANCE METHOD	NRCC-PRF-E	CERTIFICATE OF COMPLIA	NCE - NONRESIDENTIAL PERFORMAN	CE COMPLIA			
Nonresidential Performance Compliance Method		Nonresidential Performar	nce Compliance Method					
C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE CON	/PONENTS (Annual TDV Energy Use, kBtu/ft <sup>2</sup> - yr)			C8. ENERGY USE INTENSITY (	EUI)			
	COMPLIES <sup>2</sup>				Standard Design (kBtu/ft² /	yr) Propo		
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) <sup>1</sup>	GROSS EUI <sup>1</sup>	55.8			
Space Heating	31.03	28.78	2.25	NET EUI <sup>1</sup>	55.8			
pace Cooling	107.73	107.28	0.45	<sup>1</sup> Notes: Gross EUI is Energy	<sup>1</sup> Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. N			
ndoor Fans	178.08	131.18	46.9	D1. EXCEPTIONAL CONDITIO	D1. EXCEPTIONAL CONDITIONS			
eat Rejection	0	0	0		The project uses the Simplified Geometry Performance Modeling Approach			
umps & Misc.	0	0	0	in Secondary Daylit Zones is				
omestic Hot Water	61.19	61.28	-0.09		lude service water heating. Verify that ion 2 to Section 140.10(a): No PV syste			
ndoor Lighting	32.61	23.1	9.51	<ul> <li>Project is claiming Except capacity.</li> </ul>	ion 2 to Section 140.10(b): No battery	storage syste		
lexibility					ion 3 to Section 140.10(b): No battery	storage syste		
FFICIENCY COMPLIANCE TOTAL	410.64	351.62	59.02 (14.4%)	G1. ENVELOPE GENERAL INFO	ORMATION (conditioned spaces only)			
notovoltaics				01		02		
atteries				Opaque Surfaces & O	rientation Total Gross Su	rface Area (ft <sup>2</sup>		
DTAL COMPLIANCE	410.64	351.62	59.02 (14.4%)	North-Facing	,	76		
OTAL COMPLIANCE	410.04	551.02	55.02 (14.4%)	East-Facing	2 4	40		

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COM	PLIANCE METHOD		NRCC-PRF-E
Nonresidential Performance Compliance Method			(Page 5 of 19)
C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS <sup>1</sup>			
Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) <sup>1</sup>
Receptacle	67.93	67.93	
Process			
Other Ltg			
Process Motors			
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	478.57	419.55	59.02 (12.3%)
Notes: This table is not used for Energy Code Compliance.			•

ENERGY USE INTENSITY (EUI)	Standard Design (kBtu/ft <sup>2</sup> / yr)			
	Standard Design (kBtu/ft <sup>2</sup> / yr)			
		Proposed Design (kBtu/ft <sup>2</sup> / yr)	Margin (kBtu/ft <sup>2</sup> / y	r) Margin Percentage
r ci ul	55.8	47.98	7.82	14.01
I EOI	55.8	47.98	7.82	14.01
ntes: Gross EUI is Energy Use Tot	tal (not including PV)/Total Building	Area. Net EUI is Energy Use Total (in	ncluding PV)/Total Building	Area.
EXCEPTIONAL CONDITIONS				
ENVELOPE GENERAL INFORMATIC		ge system required for tenant space		
				r
01	02		03	04
01 Opaque Surfaces & Orientation		Area (ft <sup>2</sup> ) Total Fen	03 estration Area (ft <sup>2</sup> )	04 Window to Wall Ratio (%)
Opaque Surfaces & Orientation	n Total Gross Surface	Area (ft <sup>2</sup> ) Total Fen	estration Area (ft <sup>2</sup> ) 32	Window to Wall Ratio (%) 11.59
Opaque Surfaces & Orientation North-Facing <sup>1</sup> East-Facing <sup>2</sup>	n Total Gross Surface 276 440	Area (ft <sup>2</sup> ) Total Fen	estration Area (ft <sup>2</sup> ) 32 0	Window to Wall Ratio (%) 11.59 0
Opaque Surfaces & Orientation	n Total Gross Surface	Area (ft <sup>2</sup> ) Total Fen	estration Area (ft <sup>2</sup> ) 32	Window to Wall Ratio (%) 11.59

Nonresidential Performance Compliance N	Anthone		(Page 10 of
Nomesidential Performance Compliance N			(Fage 10 0)
G1. ENVELOPE GENERAL INFORMATION (condit	ioned spaces only)		
01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft <sup>2</sup> )	Total Fenestration Area (ft <sup>2</sup> )	Window to Wall Ratio (%)
West-Facing <sup>4</sup>	440	0	0
Total	1408	64	4.55
Roof	960	0	0
<sup>2</sup> East-Facing is oriented to within 45 degrees <sup>3</sup> South-Facing is oriented to within 45 degree	of true east, including 45 00'00" south of ea es of true south, including 45 00'00" west of	north (NE), but excluding 45 00'00" west of n ist (SE), but excluding 45 00'00" north of east south (SW), but excluding 45 00'00" east of s vest (NW), but excluding 45 00'00" south of v	(NE), outh (SE),
G4. NONRESIDENTIAL AIR BARRIER			
0:	1	0	2
Building St	ory Name	Air B	arrier
•			

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Nonresidential	Performance Co	mpliance M	ethod							(Pag	ge 11 of
G5. OPAQUE SUF	RFACE ASSEMBLY S	UMMARY		-	-		-				
01	02	03	04	05	0	6	07	08		09	10
Surface Name	Construction	Area (ft <sup>2</sup> )	Framing	Cavity	Continuo	us R-Value	Units	Value	Descrin	tion of Assembly Layers	Stat
Surface Name	Туре	Alea(It)	Туре	R-Value	Interior	Exterior	Onits	value	Descrip	cion of Assembly Layers	Jai
2x6 T111 WALL	Exterior Wall	1,408	Wood	19	N/A	N/A	U-factor	0.0619		plastic film - 1/16 in. STUD WALL R-19 16 OC rd - 1/2 in.	N
SCI MTL ROOF	Roof	960	Metal	30	N/A	N/A	U-factor	0.0554	Building Pap Plywood - 3/ SCI - STL JOIS	'4 in. ST ROOF R-30 Wall Roof Ceiling - 4 in. or	N
SCI CONC FLOOR	Exterior Floor	960	N/A	0	N/A	N/A	U-factor	0.1153		rl Space 0 lb/ft3 - 4 in. rk tile - 1/4 in.	N
<sup>1</sup> Status: N - Nev	v, A - Altered, E -	Existing									
G6A. OPAQUE DO	DOR SUMMARY (N	ONRESIDENTI	AL)								
	01			02				03	1	04	
As	sembly Name			Area (ft <sup>2</sup> )			Overal	l U-factor		Status <sup>1</sup>	
SCI -	STD HM DOOR			21			1	.45		N	

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD Nonresidential Performance Compliance Method

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Lecale and of hegolice e	RTIFICATES OF INSTALLATION
	n Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained
	ctor 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)
ctions made by Documentatio	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).
	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided
ctions made by Documentatio ne building inspector during co	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).
ctions made by Documentatio ne building inspector during co Building Component	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title
ctions made by Documentatio ne building inspector during co Building Component Envelope	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title NRCA-ENV-02-F - NRFC label verification for fenestration
ctions made by Documentatio ne building inspector during co Building Component Envelope Indoor Lighting	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title NRCA-ENV-02-F - NRFC label verification for fenestration NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
ctions made by Documentatione building inspector during co Building Component Envelope Indoor Lighting Indoor Lighting	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title NRCA-ENV-02-F - NRFC label verification for fenestration NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls. NRCA-UTI-03-A - Automatic Daylight Controls. 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
ctions made by Documentatio ne building inspector during co Building Component Erivelope Indoor Lighting Indoor Lighting Mechanical	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title NRCA-ENV-02-F - NRFC label verification for fenestration NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls. NRCA-LTI-03-A - Automatic Daylight Controls. NRCA-UCH-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
ttions made by Documentatione building inspector during co Building Component Envelope Indoor Lighting Indoor Lighting Mechanical Mechanical	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title NRCA-ENV-02-F - NRFC label verification for fenestration NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls. NRCA-LTI-03-A - Automatic Daylight Controls. NRCA-LTI-03-A - Automatic Daylight Controls. NRCA-HCH-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 NRCA-MCH-03-A - Constant Volume Single Zone HVAC
ctions made by Documentation the building inspector during co Building Component Envelope Indoor Lighting Indoor Lighting Mechanical Mechanical Mechanical	A Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls. NRCA-LTI-03-A - Automatic Daylight Controls. NRCA-LTI-03-A - Automatic Daylight Controls. 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 NRCA-MCH-03-A - Constant Volume Single Zone HVAC NRCA-MCH-05-A - Air Economizer Controls NRCA-MCH-05-A Direconomizer Controls NRCA-MCH-05-A Direconomizer Controls
ctions made by Documentations the building inspector during co Building Component Envelope Indoor Lighting Indoor Lighting Mechanical Mechanical Mechanical	n Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided nstruction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). Form/Title NRCA-ENV-02-F - NRFC label verification for fenestration NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls. NRCA-LTI-03-A - Automatic Daylight Controls. 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 NRCA-MCH-03-A - Constant Volume Single Zone HVAC NRCA-MCH-05-A - Air Economizer Controls NRCA-MCH-05-A - Air Economizer Controls NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to ) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.

CERTIFICATE OF COMPLIANCE - N	ONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PF	ιF-E
Nonresidential Performance Com	pliance Method (Page 17 of	19)
	IFICATES OF VERIFICATION uthor indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retain r during construction and can be found online	ed
Building Component	Form/Title	
Mechanical	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation	

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CERTIFICATE OF	COMPLIANCE - NON	RESIDENTIA	L PERFORMANC		ICE METHOD					r	NRCC-PRF-I
Nonresidential P	erformance Compli	ance Metho	d							(Pa	ge 12 of 19
G7A. FENESTRATIO	N ASSEMBLY SUMMA	ARY (NONRESI	DENTIAL)								
01		02		03		04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Typ	e/ Product Ty	pe / Frame Type	Certific Meth	1 4	ssembly Method	Area (ft <sup>2</sup> )	Overall U-factor	Overall SHGC	Overall VT	Status
NFRC #INT-A-73-00213		tical fenestra erable windo		NFR	C	Site built	64	0.52	0.35	0.61	N
alues are for the IA6 and are used	talled fenestration s glass-only, determin in the analysis. A - Altered, E - Exist	ned by the m									
Notes: Newly ins alues are for the IA6 and are used Status: N - New, H1. DRY SYSTEM E	glass-only, determin in the analysis. A - Altered, E - Exist QUIPMENT (FURNACE	shall have a c ned by the m ing S, AIR HANDL	anufacturer, and	d are shown f	or ease of ver	ification. Site-b	uilt fenestrat	ion values are o	calculated per l	Nonresidential	Appendix
Notes: Newly ins alues are for the IA6 and are used Status: N - New,	glass-only, determir in the analysis. A - Altered, E - Exist	shall have a c ned by the m ing	anufacturer, and	d are shown fi PUMPS, VRF, I 05	or ease of ver ECONOMIZERS	rification. Site-Ł		ion values are o			
Notes: Newly ins alues are for the IA6 and are used Status: N - New, H1. DRY SYSTEM E	glass-only, determin in the analysis. A - Altered, E - Exist QUIPMENT (FURNACE	shall have a c ned by the m ing S, AIR HANDL	anufacturer, and	d are shown f	or ease of ver ECONOMIZERS	ification. Site-b	uilt fenestrat	ion values are o	calculated per l	11	Appendix
Notes: Newly ins alues are for the IA6 and are used Status: N - New, H1. DRY SYSTEM E	glass-only, determin in the analysis. A - Altered, E - Exist QUIPMENT (FURNACE	shall have a c ned by the m ing S, AIR HANDL	anufacturer, and	d are shown fi PUMPS, VRF, I 05	or ease of ver ECONOMIZERS	ification. Site-b	uilt fenestrat	ion values are o	calculated per l	Nonresidential	Appendix

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CERTIFICATE OF COM	PLIANC	E - NONRESIC	DENTIAL PER	FORMANCE CO	OMPLIANCE M	ETHOD					NR	CC-PRF-E
Nonresidential Perfor	mance	Compliance I	Method								(Page	13 of 19
H3. NONRESIDENTIAL /	соммо	ON USE AREA F	AN SYSTEMS S	UMMARY								
01	02	03	04	05	06	07	08	09	10	11	12	13
		Design OA		Supp	bly Fan			R	eturn / Relief	Fan		
Name or Item Tag	Qty	CFM	CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	Status
AirSystem 101	1	468	1,750	0.9	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
H8. SYSTEM SPECIAL FE/		Existing										
01	TURES	cxisting		02			03	440 4/->1		Other Special E	04	atrolo
H8. SYSTEM SPECIAL FE/ 01 System i AirSyste	ATURES		Single Zone	Equipment T	<b>ype</b> SZHP) Air Syste	m	03 Interlocks per No	140.4(n) <sup>1</sup>	Zc	Other Special From the core of	eatures and Co Sensor Vent.	
01 System	Name m 101		-	Equipment T e Heat Pump (S	SZHP) Air Syste		Interlocks per			one(s) With CO2 Fiz	eatures and Co Sensor Vent. Ked DB	Control
01 System I AirSyste Notes: This table includes VRCC-MCH-E.	Name m 101 controls	s related to the	performance	Equipment T e Heat Pump (S path only. For pr	SZHP) Air Syste	prescriptive par	Interlocks per			one(s) With CO2 Fiz	eatures and Co Sensor Vent. Ked DB	Control
01 System I AirSyste: Iotes: This table includes IRCC-MCH-E. Yes = interlocks are prov	Name m 101 controls	s related to the	performance performance	Equipment T e Heat Pump (S path only. For pr	SZHP) Air Syste rojects using the operable openin	prescriptive par	Interlocks per			one(s) With CO2 Fiz	eatures and Co Sensor Vent. Ked DB	Control
01 System I AirSyste: Iotes: This table includes IRCC-MCH-E. Yes = interlocks are prov	Name m 101 controls	s related to the	performance performance	Equipment T e Heat Pump (S path only. For pr	SZHP) Air Syste rojects using the operable openin	prescriptive par	Interlocks per No			one(s) With CO2 Fiz	eatures and Co Sensor Vent. Ked DB	Control
01 System I AirSyste: This table includes IREC-MCH-E. Yes = interlocks are prov H9. NONRESIDENTIAL /	Name m 101 controls ided, No	s related to the = interlocks ar DN USE AREA & 02	performance performance set for the set of t	Equipment T e Heat Pump (S poath only. For pr l, NA means no EL VENTILATION 03 Mecha	SZHP) Air Syste ojects using the operable openin	gs. 04	Interlocks per No	ond prescriptive	e controls req	one(s) With CO2 Fiz uirements are do	eatures and Coi 2 Sensor Vent. keed DB coumented on th 07 DCV or Occupation	Control ne
01 System I AirSyste: This table includes VRCC-MCH-E. Yes = interlocks are prov H9. NONRESIDENTIAL / 01	Name m 101 controls commo	s related to the = interlocks ar DN USE AREA &	e not provided	Equipment T e Heat Pump (S poath only. For pr i, NA means no EL VENTILATION 03	SZHP) Air Syste ojects using the operable openin	gs. 04	Interlocks per No	and prescriptive	e controls req	one(s) With CO2 Fiz	eatures and Coi 2 Sensor Vent. ked DB cumented on th	Control ne

Nonresidential Performan	ce Compliance Method									(Page 14	4 of 19
111. ZONAL SYSTEM AND TEF	RMINAL UNIT SUMMARY										
01	02	03	04	05	06	07	08	09	10	11	12
			Rated Capa	city (kBtuh)		Airflow (cfm)			Fan		
System ID	System Type	Qty	Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	VSD
TerminalUnit 101	Uncontrolled	1	N/A	N/A	1,750	N/A	0	N/A	N/A	N/A	
1. INDOOR CONDITIONED LI 01	GHTING GENERAL INFO 02		03		04			05		06	
		Incto	lled Lighting P	ower	Lighting Cont	rol Cradita		Additional	(Custom) Allo	wance	
Occupancy Type <sup>1</sup>	Conditioned Floor Area <sup>2</sup> (ft <sup>2</sup> )	IIIsta	(Watts)	ower	(Watt			gory Footnote Natts)	s Area	Category Foo (Watts)	tnotes
Classroom, Lecture, or Training Vocational	960		408		0			0		0	
Building Totals:	960		408		0			0		0	

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE C	COMPLIANCE METHOD NRCC-PRF-E
Nonresidential Performance Compliance Method	(Page 18 of 19)
Documentation Author's Declaration Statement	
1. I certify that this Certificate of Compliance documentation is accu	rate and complete.
Documentation Author Name: SILVER CREEK	Documentation Author Signature:
Company: SILVER CREEK	Signature Date:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip: ,	Phone: 951-943-5393
Responsible Person's Declaration statement	
I certify the following under penalty of perjury, under the laws of the	e State of California:
<ol> <li>Certificate of Compliance conform to the requirements of Ti</li> <li>The building design features or system design features ident compliance documents, worksheets, calculations, plans and</li> <li>I understand that a registered copy of this Certificate of Com the enforcement agency for all applicable inspections, and I</li> <li>I understand that a registered copy of this Certificate of Com occupancy, and I will take the necessary steps to accomplish</li> </ol>	
Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature:
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Envelope
Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature:
Company: SILVER CREEK	THE AND
	Date Signed:
Address: 2830 BARRETT AVE	
Address: 2830 BARRETT AVE City/State/Zip: PERRIS , CA 92571	License #: 2475

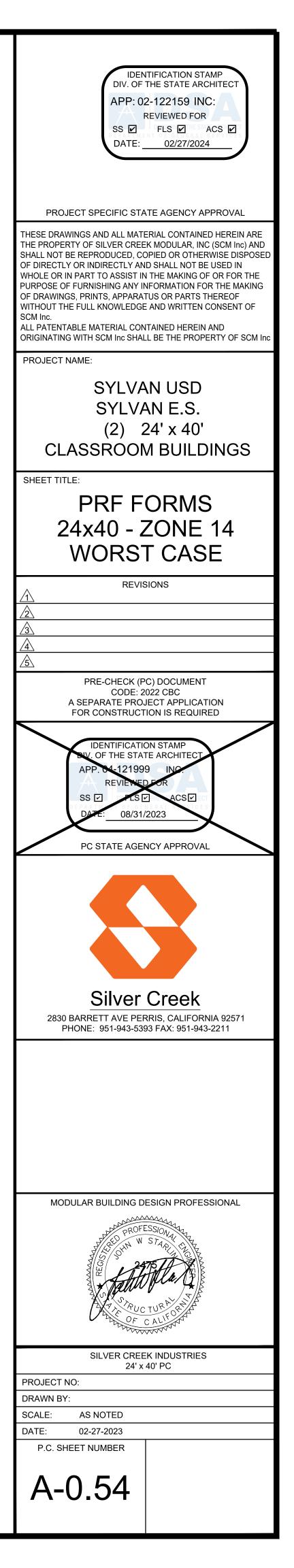
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COM	IPLIANCE METHOD NRCC-PRI
Nonresidential Performance Compliance Method	(Page 19 of 1
Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature:
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Mechanical

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	OMPLIAN	CE - NONRESIDENTIAL	PERFO	RMANCE COMPLIANCE	METHOD					NRCC-PRF-	
Nonresidential Pe	rformanc	e Compliance Method							(	Page 15 of 19	
K2. INDOOR CONDIT	IONED LIG	HTING SCHEDULE									
uminaire Schedule	(includes a	ll permanent installed lie	hting in	conditioned space, and r	ortable lightin	over 0.3 w/ft <sup>2</sup> in of	ffices)				
01	(	02		03		04		05		06	
		Complete Luminair				Installed W	atts (Conditione	d)			
Name or Item	Tag	Description (i.e. 3-la fluorescent troffer, F3 one dimmable electro ballast)	2T8,	Watts per luminaire	e How is	Wattage determine	ed Total Num	ber of Luminaires	Install	ed Watts	
SCI - 2x4 LE	D								-	408	
lf lighting power den	sities were		nodel Bu	51 ilding Departments will ne	ed to check pre	According to scriptive forms for Lu	uminaire Schedul	8 e details.	4	-08	
K3. INDOOR CONDIT	IONED LIG	used in the compliance n	s			scriptive forms for Lu		e details.			
K3. INDOOR CONDIT	IONED LIG	used in the compliance n	s	ilding Departments will ne		scriptive forms for Lu		e details.	08	08	
K3. INDOOR CONDIT	TIONED LIG	used in the compliance n HTING CONTROL CREDIT: ule (includes all lighting co	S ontrols i	ilding Departments will ne	pace for compli	nce credit per 140.0	5(a)2 and Table 1	e details. 40.6-A)		09	
K3. INDOOR CONDIT Lighting Control Cred	dits Schedu dits Schedu Primar meet u 14 Clas	i used in the compliance n iHTING CONTROL CREDIT ale (includes all lighting co 02 y Function Area (must y Function Area (must y Function Area (must	S ontrols i	nstalled in conditioned sp 03	ace for compli 04 Power Adjustment	nce credit per 140.0	5(a)2 and Table 1 06 Watts per	40.6-A) 07 # of	08 Lighting Controlled	09 Control Cred	
K3. INDOOR CONDIT Lighting Control Cree 01 Area Description	dits Schedu dits Schedu Primar meet 1 14 Clas Tra Clas	used in the compliance n HTING CONTROL CREDIT ale (includes all lighting co 02 y Function Area (must requirements of Table G.6-A and 17.0-1) sroom, Lecture, or	S ontrols i	nstalled in conditioned sp 03 pe of Lighting Control	oace for compli 04 Power Adjustment Factor (PAF	nce credit per 140.6	5(a)2 and Table 1 06 Watts per Luminaire	40.6-A) 07 # of Luminaires	08 Lighting Controlled (Watts)	09 Control Cred (Watts)	
K3. INDOOR CONDIT Lighting Control Cred 01 Area Description Classroom 101	dits Schedu dits Schedu Primar meet 1 14 Clas Tra Clas	used in the compliance n HTING CONTROL CREDIT Ile (includes all lighting co 02 y Function Area (must requirements of Table 0.6-A and 170.2-L) sroom, Lecture, or aning Vocational sroom, Lecture, or	S ontrols i	iliding Departments will no installed in conditioned sy 03 pe of Lighting Control N/A	oace for compli 04 Power Adjustment Factor (PAF N/A	nce credit per 140.0 05 Luminaire Item Tag SCI - 2x4 LED	5(a)2 and Table 1 06 Watts per Luminaire 51 51	40.6-A) 07 # of Luminaires 2	08 Lighting Controlled (Watts) 102 306	09 Control Cred (Watts) 0	

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601

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	F CALIFORNIA residential Bu	uilding Com	missioning							CALIFORNIA ENERGY COMMISSION
	ICATE OF COMPLIAN									NRCC-CXR-
	sidential spaces. Th									/motel or mixed-use buildings with to be documented separately if they
	t Name:		s	ILVER CREEK	PC - TYP	ICAL CLASSROOM	Report Page:			(Page 1 of 6
Project	t Address:						Date Prepared:			2023-01-31T18:53:26-05:0
A. GE	NERAL INFORMA	TION								
01	Project Location	(city) Pe	erris			04 Building S	ize (ft <sup>2</sup> )		960	
02	Occupancy Type	N	onresidential			05 Nonreside	ential Conditioned	l Floor Area (ft <sup>2</sup> )	< 10,000	ft²
03	Project Type	N	ewly constructed	I		06 HVAC Syst	em Type		Unitary o zone	or packaged equipment each serving one
						07 Climate Zo	one			10
B. PR	OJECT SCOPE									
Based	on project informa	ition provided in	Table A, Table B	indicates w	hich co	mmissioning rel	ated requirement	s apply per 120.8	3. Table B is not e	ditable by the user.
Comn	nissioning Requir	rements per 12	20.8							
01	Table F: Desig	n Review Kickof	f 120.8(d) 120.8		he desig					design reviewer, the project schedule and ted during schematic design.
02		vner's Project nents (OPR)	120.8	i(b)				This requirement	does not apply.	
03	Table H: Basis	of Design (BOD	) 120.8					This requirement		
04	Table I: De	esign Review	120.8(d 120.8	) and go (e) for	als. Con mmissio	nmissioning me oning process. F ence with the O	asures must be ir or projects with >	cluded in the cor = 10,000 ft <sup>2</sup> of n	nstruction docum onresidential cor	leteness, and adherence to the owner's lents to facilitate the design review and iditioned floor area, the design review is sign (BOD). This should be conducted
05	Table J: Com	missioning Plan	120.8					This requirement	does not apply.	
06		onal Performand sting	ce 120.8	s(g)				This requirement	does not apply.	
07	Table L: Documer	ntation and Train	ning 120.8	i(h)				This requirement	does not apply.	
08	Table M: Comn	nissioning Repo	rt 120.8	3(i)				This requirement	does not apply.	
CA B	stration Number: uilding Energy Effic	ciency Standard	s - 2022 Nonresia	dential Com	pliance	Report	ted Date/Time: Version: 2022.0.0 a Version: rev 202		D	ocumentation Software: Energy Code Ace Compliance ID: 86563-0123-0005 Report Generated: 2023-01-31 15:53:28
Non	of california		Commissie	oning					(	CALIFORNIA ENERGY COMMISSION
	IFICATE OF COMP	PLIANCE		EEK DO T		L CLASSROOM	Report Page			NRCC-CXR-E
	ct Name: ct Address:		SILVER OF	CERFC-1	ITFICA	L CLASSROOM	Date Prepared:			(Page 2 of 6) 2023-01-31T18:53:26-05:00
c. co	MPLIANCE RESU	LTS								
	C will indicate if the ble says "DOES NO								120.8. This table	r is not editable by the user. If any cell on
	01	02	03	04		05	06	07	08	09
Desi	gn Kickoff Review	Owner's Projec Requirements	t Basis of Desigr	n Design Re	eview	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	Compliance Results

									<i>i</i> 1	•
Table C will indicate if the this table says "DOES NC							120.8. This table	is not editable by the user. If any cell on	I I	ocumentation Author Name: /an McIntosh
01	02	03	04	05	06	07	08	09	Co	mpany:
	Owner's Project			Commissioning	Functional	Desumantation	Commissioning		Sil	lver Creek Industries, LLC
Design Kickoff Review	Requirements	Basis of Design	Design Review	Plan	Performance	and Training	Report	Compliance Results	Ad	Idress: 2830 Barrett Ave
	Requirements			rian	Testing	and naming	Report	Compliance Results	Cit	ty/State/Zip: Perris/CA/9257
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M		RE	ESPONSIBLE PERSON'S
Yes			Yes					COMPLIES	I ce	ertify the following under pena
10	Design Revie	wer(s) for the pr	oject include:		John	Starlin		COMPLIES		<ol> <li>The information prov</li> <li>I am eligible under Di</li> </ol>
			-						-	<ol> <li>The energy features a of Title 24, Part 1 and</li> </ol>
D. EXCEPTIONAL CON										<ol> <li>The building design for plans and specification</li> </ol>
This table is auto-filled w	vith uneditable co	omments because	e of selections mo	ide or data entere	ed in tables throu	ighout the form.				5. I will ensure that a co inspections. I underst
									Re	sponsible Designer Name: J
E. ADDITIONAL REMA	RKS								Cor	mpany: Silver Creek Indus
This table includes remai	rks mada by tha	ormit applicant	to the Authority I	Javina Iuricdictio	2				Ad	Idress: 2830 Barrett Ave
This case includes remai	ns made by the p	crime applicant	to the Authority i	inving suristiction					Cit	ty/State/Zip: Perris/CA/9257

Re	gistration Number:			Generate	ed D	Date/Time:		Documenta	ation Software: I	Energy Code Ace
Cł	A Building Energy Efficiency Standards	- 2022 Nonreside	ential Compliance			ion: 2022.0.000 sion: rev 20220101				36563-0123-0005 3-01-31 15:53:28
No	te of california	ommissio	ning					CALIFO	RNIA ENERG'	Y COMMISSIO
	RTIFICATE OF COMPLIANCE									NRCC-CXR-I
	ject Name:	SILVER CRE	EEK PC - TYPICAL CI			-				(Page 3 of 6
Pro	ject Address:			[L	Dat	e Prepared:			2023-01-3	1T18:53:26-05:0
Thi	DESIGN REVIEW KICKOFF MEETING is table indicates that the design review	ver meets the qu					a)1 and demonstr	rates compliance	with design rev	iew kickoff
<u> </u>	uirements per 120.8(d)2. This meeting		ring the Schematic De	sign phase of	the	project.				
	sign Review Kickoff Meeting Detai									
	Date of Design Review Kickoff Meetin	<u> </u>						2022-	12-05	
02	Meeting Attendees: (one person may	play multiple rol	es)							
	Owner/Facility Manager:	Ryan McIntosh				Design Reviewer(s)				
	Project Manager:				$\boxtimes$	Design Architect/ En	gineer(s):	John Starlin		
	Contractor:					Certified Acceptance	Test Tech(s):			
	Commissioning Provider:			1	$\boxtimes$	Energy/ T24 Part 6 C	onsultant:	John Starlin		
Des	ign Reviewer Qualifications per Title	24 Part 1 Sectior	10-103(a)1							
	e design reviewer(s) must be licensed p ler the direct supervision of a licensed								Do the Design these qualificat	Reviewer(s) meet ions?
0.2	In addition, for buildings with < 10,00	0 ft <sup>2</sup> , the design	reviewer(s) may be th	ne engineer or	r arc	chitect of record. The	design reviewer	(s) may also be a	Yes	No
05	qualified in-house engineer or archite	ct with no other	project involvement	or a third part	y e	ngineer, architect or o	contractor.			0
04	The design reviewer(s) for this project	t will be:		J	Johi	n Starlin				
Pre	liminary Construction Schedule			<u> </u>						
				Start Date				Complet	ion Date	
05	Schematic Design			2022-12-05	5			2022-	12-05	
06	Design Development			2022-12-05	5			2022-	12-05	
07	Construction Documents			2022-12-05	5			2023-	02-24	
08	Construction			2024-01-01	1			2024-	01-01	
09	Building Turnover			2024-01-01	1			2024-	01-01	
Pro	ject Goals Related to Energy Efficiency	y	•							
10	Operational Costs		Code Minimum perfo	ormance						
11	Desired Building Lifespan		30 - 50 years.							
12	Equipment Lifecycle		Industry standard.							
	Project Energy Efficiency Goals		Code Minimum perfo	ormance					-	
Re	gistration Number:			Generate	ed D	Date/Time:		Documenta	ation Software: I	Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 86563-0123-000 Report Generated: 2023-01-31 15:53:2
STATE OF CALIFORNIA		

No	nresidential Building Con	nmissioning			CALII	ORNIA ENERGY COMMISSION
CER	TIFICATE OF COMPLIANCE	-				NRCC-CXR-E
Proje	ect Name:	SILVER CREEK PC - TYPICAL CL	ASSROOM	Report Page:		(Page 4 of 6)
Proje	ect Address:			Date Prepared:		2023-01-31T18:53:26-05:00
	SIGN REVIEW KICKOFF MEETING					
	nvelope Goals	Code minimum perfor	rmance.			
	IVAC System Goals	Code minimum perfor	rmance.			
16 I	ndoor Lighting System Goals	Code minimum perfo	rmance.			
17 (	Outdoor Lighting System Goals	Code minimum perfor	rmance.			
18 \	Vater Heating System Goals	Code minimum perfor	rmance.			
19 E	quipment and System Specifications	Industry standard equ	ipment.			
20 (	Operations and Maintenance	No specific requireme	ents.			
G. 0	WNER'S PROJECT REQUIREMENTS (C	OPR)				
<u> </u>	section does not apply to this project.					
и в	ASIS OF DESIGN (BOD)					
This	section does not apply to this project.					
I. CC	INSTRUCTION DOCUMENT DESIGN R	EVIEW CHECKLIST				
This	table is only completed if a design review	document is not attached to permi	it applicatio	n to demonstrate compliance with	120.8(b) and 120.8(e	). For buildings with >= 10,000 $ft^2$
	itioned floor area, the design review will					
buila	lings with < 10,000 ft <sup>2</sup> conditioned floor a	rea, the design review will ensure t	he construc	tion documents meet the goals do	cumented in Table F. c	luring the Design Review Kickoff.
01	Attaching Completed Design Review Doo	sumentation?		YES		NO
	Actuality completed besign herew bot			$\bigcirc$		•
Desi	gn Review Checklist					
02	Envelope Design	The design represents the typical F	PC building	design with updates (as applicable	) for the 2022 code cy	cle.
03	HVAC System Design	The design represents the typical F	PC building	design with updates (as applicable	) for the 2022 code cy	cle.
04	HVAC Controls Design	The design represents the typical F	PC building	design with updates (as applicable	) for the 2022 code cy	cle.
05	Indoor Lighting System Design	The design represents the typical <b>F</b>	PC building	design with updates (as applicable	) for the 2022 code cy	cle.
06	Indoor Lighting Controls Design	The design represents the typical F	PC building	design with updates (as applicable	) for the 2022 code cy	cle.
Reg	istration Number:		Genera	ted Date/Time:	Docum	entation Software: Energy Code Ace
CA	Building Energy Efficiency Standards - 20	22 Nonresidential Compliance		Version: 2022.0.000 a Version: rev 20220101	Rep	Compliance ID: 86563-0123-0005 ort Generated: 2023-01-31 15:53:28

Project Address:         I. CONSTRUCTION DOCUMENT DESIGN REVIEW         07       Outdoor Lighting System and Controls Design       The de         08       Water Heating System Design       The de	CREEK PC - TYPICAL CLASSROOM CHECKLIST sign represents the typical PC building sign represents the typical PC building sign represents the typical PC building	Date Prepared: design with updates
I. CONSTRUCTION DOCUMENT DESIGN REVIEW         07       Outdoor Lighting System and Controls Design       The de         08       Water Heating System Design       The de         09       Other Systems and Features       The de         J. COMMISSIONING PLAN       This section does not apply to this project.	sign represents the typical PC building	; design with updates ; design with updates
07       Outdoor Lighting System and Controls Design       The de         08       Water Heating System Design       The de         09       Other Systems and Features       The de         J. COMMISSIONING PLAN         This section does not apply to this project.	sign represents the typical PC building	design with updates
07       Outdoor Lighting System and Controls Design       The de         08       Water Heating System Design       The de         09       Other Systems and Features       The de         J. COMMISSIONING PLAN         This section does not apply to this project.	sign represents the typical PC building	design with updates
Design 08 Water Heating System Design The de 09 Other Systems and Features The de D. COMMISSIONING PLAN This section does not apply to this project.	sign represents the typical PC building	design with updates
09       Other Systems and Features       The de <b>J. COMMISSIONING PLAN</b> This section does not apply to this project.		
This section does not apply to this project.		
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 O	FINSTALLATION	
There are no forms required for this project.		
O. DECLARATION OF REQUIRED CERTIFICATES O	FACCEPTANCE	
There are no forms required for this project.		
Registration Number: CA Building Energy Efficiency Standards - 2022 Non	residential Compliance Report	ated Date/Time: t Version: 2022.0.000 na Version: rev 20220
STATE OF CALIFORNIA Nonresidential Building Commis CERTIFICATE OF COMPLIANCE	sioning	
,	R CREEK PC - TYPICAL CLASSROOM	
Project Address:		Date Prepared:
		oto
I certify that this Certificate of Compliance docu		
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh		Documentation Author
DOCUMENTATION AUTHOR'S DECLARATION STA I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC		Documentation Author Signature Date: 02-20-2023
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave		Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571 RESPONSIBLE PERSON'S DECLARATION STATEM	umentation is accurate and compl	Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571 RESPONSIBLE PERSON'S DECLARATION STATEM I certify the following under penalty of perjury, under the laws of t 1. The information provided on this Certificate of Compli	Imentation is accurate and complete and correct.	Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification Phone: (951) 943-53
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571 <b>RESPONSIBLE PERSON'S DECLARATION STATEM</b> I certify the following under penalty of perjury, under the laws of t 1. The information provided on this Certificate of Compli 2. I am eligible under Division 3 of the Business and Profr 3. The energy features and performance specifications, n	Imentation is accurate and complete and complete and complete and complete and correct.  Sessions Code to accept responsibility for the built atterials, components, and manufactured device and manufactured and manufactured device and manufactured	Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification Phone: (951) 943-53
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571 RESPONSIBLE PERSON'S DECLARATION STATEM I certify the following under penalty of perjury, under the laws of t 1. The information provided on this Certificate of Compli 2. I am eligible under Division 3 of the Business and Profe	Imentation is accurate and complete and complete and complete and complete and complete and complete and correct. Second State of California: ance is true and correct. Second to accept responsibility for the built anterials, components, and manufactured device device acceptations.	Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification Phone: (951) 943-53 Iding design or system de tes for the building design
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571 <b>RESPONSIBLE PERSON'S DECLARATION STATEM</b> I certify the following under penalty of perjury, under the laws of t 1. The information provided on this Certificate of Compli 2. I am eligible under Division 3 of the Business and Prof 3. The energy features and performance specifications, n of Title 24, Part 1 and Part 6 of the California Code of F	Imentation is accurate and complete and complete and complete and complete and correct. PNT he State of California: ance is true and correct. assions Code to accept responsibility for the buil naterials, components, and manufactured device tegulations. identified on this Certificate of Compliance are agency for approval with this building permit a	Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification Phone: (951) 943-52 Iding design or system de ess for the building design consistent with the infor application.
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571 RESPONSIBLE PERSON'S DECLARATION STATEM I certify the following under penalty of perjury, under the laws of t 1. The information provided on this Certificate of Compli 2. I am eligible under Division 3 of the Business and Profe 3. The energy features and performance specifications, n of Title 24, Part 1 and Part 6 of the California Code of F 4. The building design features or system design features plans and specifications submitted to the enforcement 5. I will ensure that a completed signed copy of this Certi Inspections. I understand that a completed signed copy	Imentation is accurate and complete and complete and complete and complete and complete and correct. ENT he State of California: ance is true and correct. assions Code to accept responsibility for the buil naterials, components, and manufactured device Regulations. identified on this Certificate of Compliance are agency for approval with this building permit af ficate of Compliance shall be made available with	Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification Phone: (951) 943-53 Iding design or system de ess for the building design consistent with the infor piplication. th the building permit(s) be included with the doc
I certify that this Certificate of Compliance docu Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571 <b>RESPONSIBLE PERSON'S DECLARATION STATEM</b> I certify the following under penalty of perjury, under the laws of t 1. The information provided on this Certificate of Compli 2. I am eligible under Division 3 of the Business and Prof 3. The energy features and performance specifications, n of Title 24, Part 1 and Part 6 of the California Code of F 4. The building design features or system design features plans and specifications submitted to the enforcement 5. I will ensure that a completed signed copy of this Certif	Imentation is accurate and complete and complete and complete and complete and complete and correct. ENT he State of California: ance is true and correct. assions Code to accept responsibility for the buil naterials, components, and manufactured device Regulations. identified on this Certificate of Compliance are agency for approval with this building permit af ficate of Compliance shall be made available with	Documentation Author Signature Date: 02-20-2023 CEA/ HERS Certification Phone: (951) 943-53 Iding design or system de less for the building design consistent with the infor application. th the building permit(s)

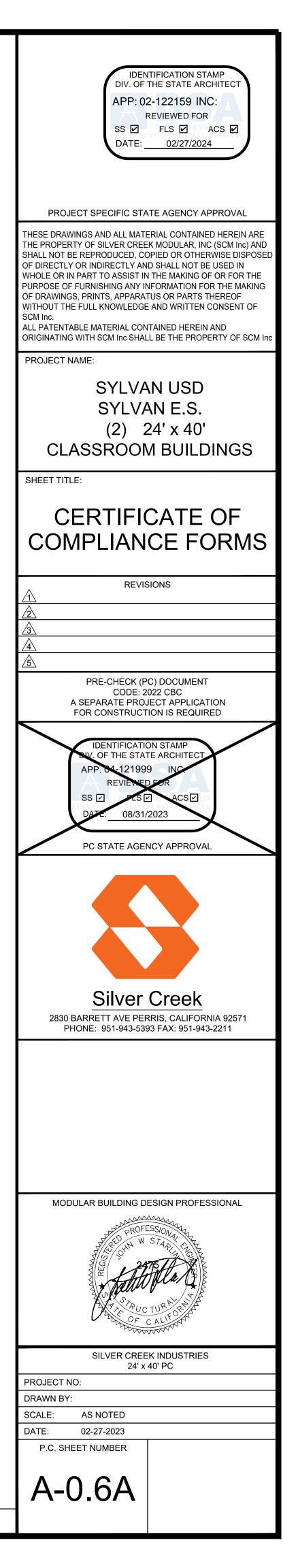
Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

			rresidential Building Commissioning CALIFORNIA ENERGY COMMISSION						
	E OF CALIFORNIA								
		ommissio	ning				CALIFO	RNIA ENERG	
		0111/55 055		_					NRCC-CXR-E
	ject Name:	SILVER CRE	EK PC - TYPICAL CLASSROOM	<u> </u>	<u> </u>			0000.01.0	(Page 3 of 6)
Pro	ject Address:			Dat	e Prepared:			2023-01-3	1T18:53:26-05:00
F. D	ESIGN REVIEW KICKOFF MEETING	i							
	table indicates that the design review irements per 120.8(d)2. This meeting					a)1 and demonsti	rates compliance	with design revi	ew kickoff
Des	ign Review Kickoff Meeting Detai	ls							
01	Date of Design Review Kickoff Meetin	g					2022-	-12-05	
02	Meeting Attendees: (one person may	play multiple role	es)						
$\boxtimes$	Owner/Facility Manager:	Ryan McIntosh			Design Reviewer(s)				
	Project Manager:			$\boxtimes$	Design Architect/ Er	gineer(s):	John Starlin		
	Contractor:				Certified Acceptance Test Tech(s):				
	Commissioning Provider:			$\boxtimes$	Energy/ T24 Part 6 C	onsultant:	John Starlin		
Des	ign Reviewer Qualifications per Title	24 Part 1 Section	10-103(a)1						
	design reviewer(s) must be licensed p er the direct supervision of a licensed							Do the Design F these qualificat	Reviewer(s) meet ions?
	In addition, for buildings with < 10,00 qualified in-house engineer or archite						(s) may also be a	Yes	No
04	The design reviewer(s) for this project	t will be:		Joh	n Starlin				
Pre	iminary Construction Schedule								
			Start Date	е			Complet	tion Date	
05	Schematic Design		2022-12-0	)5			2022-	-12-05	
06	Design Development		2022-12-0	)5			2022-	-12-05	
07	Construction Documents		2022-12-0	)5			2023-	-02-24	
08	Construction		2024-01-0	)1			2024-	-01-01	
09	Building Turnover		2024-01-0	)1			2024-	-01-01	
-									

CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Electrical Power Distribution CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISS
Report Page:         (Page 5 of 6)           Date Prepared:         2023-01-31T18:53:26-05:00	This document is used to demonstrate compliance with mandatory requirement 160.6 and 160.9 for electrical systems in newly constructed multifamily occupa occupancies will also use this document to demonstrate compliance per 141.0 per 180.1(a) or 180.2 (b)4Bvii Project Name: SILVER CREEK PC - TYPICA Project Address:	ancies. Additions and alterations to electrical service systems	s in nonresidential and hotel/motel
esign with updates (as applicable) for the 2022 code cycle. esign with updates (as applicable) for the 2022 code cycle.	A. GENERAL INFORMATION	02 Climate Zone	10
esign with updates (as applicable) for the 2022 code cycle.	01     Project Location (city)     Perris       B. PROJECT SCOPE     Perris	03 Occupancy Types Within Project:	Classroom
	S	05 06 iystem	07
	Electrical Service     Metering System     Electrical       Designation/     Scope of Work <sup>1</sup> Rating <sup>2</sup> (kVA)     Exception to     Art       Description     130.5(a)/     Exception to     Exception to	ject to CA ec Code ticle 517 Demand Response Controls eption to	Provides power to dwell units/common living are only in multifamily occupancy
		0.5(a)and (b) Where required, demand response controls m which are capable of receiving and automatically	ust be specified
	Add/Alt to feeders Site feeder and branch circuits only	<ul> <li>least one standards based messaging protocol demand response after receiving a demand re Sections 120.2/160.3, 130.1/160.5, and 130 mechanical, indoor lighting, and sign lighting</li> </ul>	esponse signal.  .3/ 160.5, and
	<sup>1</sup> FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5	Compliance documents will indicate when der controls are required. 5(c)/160.6(c), no other requirements from 130.5/160.6 are required	mand response
	<sup>2</sup> If common use areas in a multifamily are submetered, rating is for submeter size servi <sup>3</sup> Applicable if the utility company is providing a metering system that indicates instanted and the substant of the utility company is providing a metering system that indicates instanted and the substant of the utility company is providing a metering system that indicates instanted and the substant of the utility company is providing a metering system that indicates instanted and the substant of the utility company is providing a metering system that indicates instant of the substant of the utility of th	-	
ed Date/Time: Documentation Software: Energy Code Ace fersion: 2022.0.000 Compliance ID: 86563-0123-0005 Version: rev 20220101 Report Generated: 2023-01-31 15:53:28	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 Compliance ID: 86563-0123-0 Report Generated: 2023-01-31 15:5-
CALIFORNIA ENERGY COMMISSION NRCC-CXR-E	STATE OF CALIFORNIA Electrical Power Distribution CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISS NRCC-E
eport Page:         (Page 6 of 6)           ate Prepared:         2023-01-31T18:53:26-05:00	Project Name: SILVER CREEK PC - TYPICAL Project Address:	CLASSROOM Report Page: Date Prepared:	(Page 2) 2023-01-31T18:53:58-(
	C. COMPLIANCE RESULTS Results in this table are automatically calculated from data input and calculati	ions in Tables F through J. Note: If any cell on this table says	"COMPLIES with Exceptional Conditions" r
sumentation Author Signature:	to Table D. Exceptional Conditions for guidance or see applicable Table referen           01         02         03           Service Electrical         Separation for         04 to 2	04         05           Controlled         04	06
/ HERS Certification Identification (if applicable): ne: (951) 943-53931	Metering 130.5(a)/ 160.6(a) (See Table F)     AND     Monitoring 130.5(b)/ 160.6(b) (See Table G)     AND     AND     Voltage Urop 130.5(c)/ 160.6(c) (See Table H)       AND     AND     AND     Yes	AND Receptacles Electric Ready 160.9 130.5(d)/ 160.6(d) (See Table J) (See Table I) AND AND	Compliance Results COMPLIES
design or system design identified on this Certificate of Compliance (responsible designer) the building design or system design identified on this Certificate of Compliance conform to the requirements	D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made		
tent with the information provided on other applicable compliance documents, worksheets, calculations, ion. building permit(s) issued for the building, and made available to the enforcement agency for all applicable luded with the documentation the builder provides to the building owner at occupancy. onsible Designer Signature:	<b>E. ADDITIONAL REMARKS</b> This table includes remarks made by the permit applicant to the Authority Haw	ving Jurisdiction.	
Signed: 02-20-2023	H. VOLTAGE DROP This table includes entirely new or complete replacement electrical power dista		
	demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the alter       01     02       Electrical Service     Combined Voltage Drop on Installed Fee	03 Sheet Nu eder/Branch Location of Voltage Drop Calcula	04 05 Imber for Voltage Drop Field Inspect
	Site feeder	ted by CA Elec (Exception to Contractor Responsible	Documents Pass Fa
	* NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Methor <sup>1</sup> FOOTNOTES: Voltage drop calculations may be attached to the permit applic		
	K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION          NRCI-ELC-E - Must be submitted for all buildings         L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	Form/Title	
	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 Compliance ID: 86563-0123-0 Report Generated: 2023-01-31 15:5
	STATE OF CALIFORNIA Electrical Power Distribution CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISS NRCC-EI
	Project Name: SILVER CREEK PC - TYPICAL  Project Address:	CLASSROOM Report Page: Date Prepared:	(Page 4 2023-01-31T18:53:58-0
	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate Documentation Author Name:		
	Ryan McIntosh <sup>Company:</sup> Silver Creek Industries, LLC	Documentation Author Signature:	
	Address:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         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 respons         3.       The energy features and performance specifications, materials, components, and main 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 plans and specifications submitted to the enforcement agency for approval with this 15.         5.       I will ensure that a completed signed copy of this Certificate of Compliance shall be m inspections. I understand that a completed signed copy of this Certificate of Compliance Responsible Designer Name:         Company:         Silver Creek Industries, LLC	nufactured devices for the building design or system design identified on th f Compliance are consistent with the information provided on other applica building permit application. nade available with the building permit(s) issued for the building, and made	nis Certificate of Compliance conform to the requirer able compliance documents, worksheets, calculation e available to the enforcement agency for all applical
	Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571	License: 2475 Phone: (951) 943-53931	

CERTIFICATE OF COMPLIANCE, ELECTRICAL POWER DISTRIBUTION



Outdoor Lighting						C/ LII		RGY COMMISSIO
This document is used to demonstrate compli	anco with roqui	rements in 110 0 120 0 120 2	140	7 and 141 0/h)21 for outdoor lia	hting co	nos using the pr	corintivo na	
nonresidential and hotel/motel occupancies. I								
the prescriptive path for multifamily and mixe						(-, ,	<b>y</b>	
Project Name:	SILVE	R CREEK PC - TYPICAL CLASSROOM	Repo	rt Page:				(Page 1 of 8
Project Address:			Date	Prepared:			2023-01-	-31T18:54:22-05:0
A. GENERAL INFORMATION								
01 Project Location (city)	Perris							
02 Climate Zone	10		04	Total Illuminated Hardscape Ar	ea (ft²)	60		
03 Outdoor Lighting Zone per Title 24 Part 2	1 10.114 or as d	esignated by Authority Having	Jurisc	liction (AHJ):				
LZ-0: Very Low - Undeveloped Parkland	LZ-2: Mod	derate - Urban Clusters		LZ-4: High - Must be reviewed	by CA En	ergy Commission	for Approva	1
LZ-1: Low - Rural Areas	🛛 LZ-3: Moo	derately High - Urban Areas						
05 Occupancy Types within Project								
Classroom								
B. PROJECT SCOPE								
This table includes outdoor lighting systems th		he scope of the permit applicat	ion an	nd are demonstrating complianc	e using ti	he prescriptive po	ath outlined i	n 140.7 /
170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alte	rations.							
My Project Consists of:								
01				02				
New Lighting System		Must Comply with Allowances						
Altered Lighting System		Is your alteration increasing th	ne cor	nected lighting load (Watts)?	0	Yes	0	No
03			04				05	
% of Existing Luminaires Being Alte	red <sup>1</sup>	Sum Total of Luminai	res Be	eing Added or Altered		Calculat	ion Method	
□ < 10% □ >= 10% and < 50% □	>= 50%							
	Fixture Schedule	e to define the project's luming	aires.					
Please proceed to Table F. Outdoor Lighting I					hin tha S	cons of the Dorm	it Application	a) x 100
Please proceed to Table F. Outdoor Lighting I <sup>1</sup> FOOTNOTES: % of Existing Luminaires Being	Altered = (Sum	Total of Luminaires Being Adde	d or A	Altered / Existing Luminaires wit	min the S	соре ој ше Репп	п мррпсиної	IJ X 100.

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
	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 CLAS	SSROOM Report Page:	(Page 2 of 8)
Project Address:	Date Prepared:	2023-01-31T18:54:22-05:00

C. COMPLIAN	ICE F	RESULTS													
		are automatico nal Conditions j				,			nroug	h N. Note: If an	y cel	l on this table says "	сом	PLIES with Exceptior	al Conditions" refer
Calcu	latio	ns of Total Allo	wed	Lighting Power	· (Wa	tts) 140.7 / 170	).2(e	)6 or 141.0(b)2	L / 18	30.2(b)4Bv			Co	mpliance Results	
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	Total Allowed (Watts)	2	<b>Total Actual</b> (Watts)	07 must be >= 08
258.06	+	19	+		+		+		OR		=	277.06	≥	30	COMPLIES
				Sh	ieldiı	ng Compliance	(See	Table G for De	tails)						N/A
				C	ontro	ols Compliance	(See	Table H for De	tails)						COMPLIES
D. EXCEPTIO	IAL	CONDITIONS													
This table is au	to-fi	lled with unedit	able	comments becc	iuse (	of selections m	ade c	or data entered	in tal	bles throughout	the	form.			
Selections mad	le in	Certificates of I	nstal	lation Table hav	/e be	en changed by	the p	permit applicant	t. See	Table E. Additi	onal	Remarks for permit	appli	cant's explanation.	
E. ADDITION	AL R	EMARKS													
This table inclu	des	remarks made b	by th	e permit applica	nt to	the Authority	Haviı	ng Jurisdiction.							
{NRCI-LTO-01-I	E Exp	lanation} 1													

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: 86563-0123-0007 Report Generated: 2023-01-31 15:54:24

	COMPLIANCE									NRC	CC-LTO-
Project Name:		SILVE	R CREEK PC - TYPI	CAL CLASSROOM	Report Page:					(Pag	e 3 of 8
Project Address:					Date Prepared:				2023-01-31	T18:54:2	2-05:0
F. OUTDOOR I	IGHTING FIXTURE SCHED	JLE									
or new or alter	red lighting systems demonst	 ratina complian	re with 140 7 / 1	70 2(e)6 all nev	w luminaires heii	na installed an	l any existing lu	minaires remair	ning or heing m	oved wit	thin
	red by the permit application			. ,		5	, ,		5		
	placement luminaires beina i										
Dutdoor lighting	g attached to multifamily bui	Idings and contr	olled from the in	, iside of a dwelli	ng unit are inclu	ded in Table H.	and are not incl	uded here. All d	other multifamil	y outdo	or
ighting is includ	ded here.										
Designed Watta	age:										
01	02		06	07	08	09	1	10			
									Cutoff Req. >	Fie	hle
Name or Item Tag			Watts per	How is	Total Number	Luminaire	Excluded per		6,200 initial	Inspe	
	Complete Luminaire D	Complete Luminaire Description Wattage	Wattage	Luminaires <sup>2</sup>	Status <sup>3</sup>	140.7(a)/	Design Watts	lumen output			
iu <sub>b</sub>			lannane	determined	Lummanes	Status	170.2(e)6A		130.2(b) /	Pass	Fai
									160.5(c)1 <sup>4</sup>		
F-1	0 Watt LED Wallpack	🗆 Linear	30	Mfr. Spec	1	New		30	NA: < 6200 lumens		
			1			Tota	I Design Watts:	30			
	ons with a * require a note in the		aining how compl	iance is achieved				•			
	ighting a statue; EXCEPTION 2 to	130.2(b)									
X: Luminaire is li			ut also ata ta anufin	m wattaae used	for compliance pei	r 130.0(c) / 160.5					
X: Luminaire is li FOOTNOTES: Aut	hority Having Jurisdiction may a										
X: Luminaire is li OOTNOTES: Auto For linear lumina	hority Having Jurisdiction may a aires, wattage should be indicate	d as W/lf instead	of Watts/luminair	e. Total linear fee	et should be indica						
X: Luminaire is li OOTNOTES: Auto For linear lumina Select "New" for	hority Having Jurisdiction may a	d as W/lf instead or lighting project,	of Watts/luminair or for added lumi	e. Total linear fee naires in an alter	et should be indica ation. Select "Alte	red" for replacer	nent luminaires in	an alteration. Se			

G. SHIELDING REQUIREMENTS (BUG
This section does not apply to this proje

Registration Number:		Generat	ed Date/Time:		Documentation Softwa	re: Energy Code Ace
CA Building Energy Efficiency S	tandards - 2022 Nonresidential Complian		/ersion: 2022.0.000 Version: rev 20220101		Compliance I Report Generated: 2	D: 86563-0123-0007 2023-01-31 15:54:24
state of California Outdoor Lighting					CALIFORNIA EN	
CERTIFICATE OF COMPLIANCE						NRCC-LTO-E
Project Name:	SILVER CRE	EK PC - TYPICAL CLASSROOM	Report Page:			(Page 4 of 8
Project Address:			Date Prepared:		2023-0	1-31T18:54:22-05:00
existing to remain (ie untouc the permit application. Outdoor lighting for nonresic multifamily buildings and col	pliance with controls requirements for hed) and luminaires which are remov lential buildings, parking garages and ntrolled from the inside of a dwelling	ed and reinstalled (wiring l common service areas in unit	only) do not need to be includ multifamily buildings must b	led in this table eve	n if they are within the sp	aces covered by
· · · · · · · · · · · · · · · · · · ·	residential Occupancies, Parking Ga	, <b>-</b>				
01 Area Description	02 Shut-Off 130.2(c)1 / 160.5(c)	03 Auto-Schedule 130.2(c)2 / 160.5(c)	Motic	04 on Sensor 3 / 160.5(c)	Field Ir	05 Inspector
Entru III 1	Photocontrol	Provided	NA: Food	a ata > -24 ft	Pass	Fail
<sup>2</sup> Authority having jurisdiction me	Photocontrol eviated, please refer to Table 160.5-A to c ay ask for cutsheets or other documentati use in fire-rated installations, and recess	onfirm compliance with the s on to confirm compliance of l	pecific light source technologies ight source.			

Generated Date/Time:

STATE OF CALIFORNIA	
Outdoor Lighting CALIFORNIA ENERGY COMMISSION	state of california California Energy COMMISSION CALIFORNIA ENERGY COMMISSION DO
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	CERTIFICATE OF COMPLIANCE CERTI 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 Proje
· · · · · · · · · · · · · · · · · · ·	110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.         Project Name:       SILVER CREEK PC - TYPICAL CLASSROOM         Project Address:       Date Prepared:         2023-02-02716:17:35-05:00
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-R while "Use it or lose it"	A. GENERAL INFORMATION
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 Hardscape Region of the "Use it or Hardscape Region of the transmission of transmission of the transmission of	01     Project Location (city)     Perris     02     Climate Zone     10       03     Occupancy Types Within Project (select all that apply):
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 Table I (below) Table J Table J Table K Table L Table M	Classroom sinks and restroom lavatories
outdoor lighting is included here.     Image: Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel       02     03     04     05     06     07     08     09	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./ 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
Area Wattage Allowance (AWA)       Linear Wattage Allowance (LWA)       Total General         Area Description       Illuminated Area       Allowed Density       Area Allowance       Perimeter Length       Allowed Density       Linear Allowance       AWA + LWA	hydronic water heating systems are documented on the NRCC-MCH compliance document.           01         02         03
(ft <sup>2</sup> )         (W/ft <sup>2</sup> )         (Watts)         (If)         (W/If)         (Watts)         (Watts)           Entry         60         0.021         1.26         34         0.2         6.8         8.06	My project consists of (check all that apply):     System Type <sup>1,2</sup> System Components       New system (DHW system being installed for the first time in newly constructed building)     Individual System (serving nonresidential spaces)     Equipment     Distribution     Controls
Initial Wattage Allowance for Entire Site (Watts): 250 Instances of Initial Wattage Allowance (LZ 0 only) <sup>1</sup> The Descent Understanding (Wattable 250 of a	System Alteration (equipment, distribution or controls)     IfoOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.
Total General Hardscape Allowance (Watts):       258.06	<ul> <li><sup>2</sup> Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.</li> <li><sup>3</sup> DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies</li> </ul>
	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         Compliance Results           Yes         Yes         Yes         COMPLIES
	D. EXCEPTIONAL CONDITIONS
Registration Number: Documentation Software: Energy Code Ace	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       Registration Number:
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0007 Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:24	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0223-0009 CA B Schema Version: rev 20220101 Report Generated: 2023-02-02 13:17:38
state of california Outdoor Lighting California ENERGY COMMISSION	state of California Domestic Water Heating System California ENERGY COMMISSION Dor
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	CERTIFICATE OF COMPLIANCE     NRCC-PLB-E     CERTIFICATE OF COMPLIANCE       Project Name:     SILVER CREEK PC - TYPICAL CLASSROOM     Report Page:     (Page 2 of 6)       Project Address:     Date Prepared:     2023-02-02716:17:35-05:00     Project
J. LIGHTING ALLOWANCE: PER APPLICATION This table includes areas using the wattage allowance per application from Table 140.7-B / Table 170.2-S.	E. ADDITIONAL REMARKS
01         02         03         04         05         06         07         08         09         10           CALCULATED ALLOWANCE (Watts)         DESIGN WATTS         Additional	This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.  Pocur  Ryan  F. DOMESTIC HOT WATER EQUIPMENT Comp
Area Description     Application per Table 140.7-B <sup>1</sup> # of Locations     # of Locations     Allowance per Locations     Extra Name or (Watts)     Luminaire Item Tag     Watts per Luminaire     # of Luminaire     Allowance (Watts)	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 Silve be demonstrated and with 141.0 / 180.1 / 180.2 for addition and alteration scopes.
Entry Door     Building Entrance/Exit     1     19     19     F-1     30     1     30     19	Equipment Schedule: Water Heating Efficiency and Standby Loss       03     04     05     06       I Gas Service
Total Design Watts for this Area:       30         Total Allowance (Watts) All Areas:       19 <sup>1</sup> FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.       19	System Name     WH-1     Exception to 140.5(r)/ 170.2(d)3     Exceptions Do Not Apply     Water Heating System >=     Capacity-weighted Average Efficiency %     Capacity-weighted Average Efficiency %     Capacity-weighted System >=
<sup>2</sup> FOULNOTES: Primary entrance applications are only available for senior care facilities, nearthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities. <sup>2</sup> 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. <sup>3</sup> 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.	Image: Name of the second s
K. LIGHTING ALLOWANCE: SALES FRONTAGE	Name or Item Tag     Equipment Type     Volume (gal)     Capacity (Btu/h)     Hour Rating (FHR)     Rated Efficiency     Efficiency Required     Efficiency Unit     Designed Standby Loss     Maximum Standby Loss
This section does not apply to this project.	WH-1         Instantaneous (         <=2         10,264         0 <= GPM <1.7         0.91         UEF         Addres         Addres
L. LIGHTING ALLOWANCE: ORNAMENTAL This section does not apply to this project.	<=12kW) <sup>1</sup> 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.
M. LIGHTING ALLOWANCE: PER SPECIFIC AREA	Water Heating Equipment All Occupancies
This section does not apply to this project.	18       Image: Constraint of the storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This section does not apply to this project.	20       Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6         Check building of 30.000 begins of 4 station must install a best sums water heating must best and the station must be best in a station of 140 (c)11. Water best in a station
	21 Chool buildings < 25,000 fr and < 4 stories must install a neat pump water neating system per 140.5(a)1. Water neating systems serving an individual bathroom space may be an instantaneous electric water heater.
Registration Number:     Generated Date/Time:     Documentation Software: Energy Code Ace       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance     Report Version: 2022.0.000     Compliance ID: 86563-0123-0007	Registration Number:     Generated Date/Time:     Documentation Software: Energy Code Ace     Registration       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance     Report Version: 2022.0.000     Compliance ID: 86563-0223-0009     CA B
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:24	Schema Version: rev 20220101 Report Generated: 2023-02-02 13:17:38
STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION CALIFORNIA ENERGY COMMISSION	state of california Domestic Water Heating System California Energy Commission
CERTIFICATE OF COMPLIANCE       NRCC-LTO-E         Project Name:       SILVER CREEK PC - TYPICAL CLASSROOM Report Page:       (Page 7 of 8)	CERTIFICATE OF COMPLIANCE       NRCC-PLB-E         Project Name:       SILVER CREEK PC - TYPICAL CLASSROOM         Report Page:       (Page 3 of 6)
Project Address:         Date Prepared:         2023-01-31T18:54:22-05:00	Project Address:     Date Prepared:     2023-02-02T16:17:35-05:00
O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM
Form/Title NRCI-LTO-E - Must be submitted for all buildings	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
	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: <ul> <li>Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that</li> </ul>
P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Form/Title Systems/Spaces To Be Field Verified	<ul> <li>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</li> <li>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</li> </ul>
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"	<ul> <li>Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5.</li> <li>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.</li> </ul>
	Image: Addition of the system 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
	<ul> <li>The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system</li> <li>Pipes that are externally heated</li> <li>Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall</li> </ul>
	<ul> <li>Pipes that are externally heated</li> <li>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.</li> </ul>
	Pipes that are externally heated     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.
	Image: Pipes that are externally heated         Image: Pipes tha
	Image: Second Secon
	Image: Pipes that are externally heated         Image: Pipes tha
	Image: Pipes that are externally heated         Image: Pipes tha
Registration Number:     Generated Date/Time:     Documentation Software: Energy Code Ace       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance     Report Version: 2022.0.000     Compliance ID: 86563-0123-0007	•       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       Nominal Pipe Diameter (in)         Fluid Temperature Range (*F)       Insulation Mean Rating Temp (       <1
	Image: Second
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0007	•       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       Nominal Pipe Diameter (in)         Fluid Temperature Range (*F)       Insulation Mean Rating Temp (       <1
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0007 Report Generated: 2023-01-31 15:54:24 STATE OF CALIFORNIA CALIFORNIA CALIFORNIA CERTIFICATE OF COMPLIANCE Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Report Page: (Page 8 of 8)	Image: Project that are externally heated       Project that are externally heated         15       Image: Insulation shall be protected from damage, including that use to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed in a water proof and non-crushable casing or sleeve.         TABLE 120.3-A / 160.4-R) IPE INSULATION THICKNESS         Fluid Temperature Range (*F)       Conductivity reprint insulation Mean Rating Temp (       <1
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 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	Image: State of CALIFORNIA       Pipes that are externally heated         15       Image: Including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suble 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 Per *f)       Insulation Mean Rating Temp( *f)       <1
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0007 Report Generated: 2023-01-31 15:54:24 STATE OF CALIFORNIA CALIFORNIA CALIFORNIA CERTIFICATE OF COMPLIANCE Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Report Page: (Page 8 of 8)	Image: constraints of status are externally heated       Pipes that are externally heated         15       Image: constraints of status are outproved to support the form damage, including that due to sunlight, moliture, equipment maintenance, and wind. Insulation exposed to waster shall be insulation during below grade must be installed in a water proof and non-crustable casing or silevee.         Image: constraints of status are externally heated       TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS         Image: constraints of status are externally heated       Conductivity         Fluid Temperature Range (T)       Conductivity in insulation Mean Rating Temp (       Nominal Pipe Diameter (in)         105-140       0.22 - 0.28       100       1.0 in or R-7.7       1.5 in or R-11       2.0 in or R-16         Registration Number:         Constraints of status are extended by the constraint of the pipe o
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.000       Compliance ID: 86563-0123-0007         State OF CALIFORNIA       CALIFORNIA       CALIFORNIA <b>Dotudoor Lighting</b> CALIFORNIA         CERTIFICATE OF COMPLIANCE       NRCC-LTO-E         Project Name:       SILVER CREEK PC - TYPICAL CLASSROOM Report Page:       (Page 8 of 8)         Project Address:       Date Prepared:       2023-01-31118:54:22-05:00         DOCUMENTATION AUTHOR'S DECLARATION STATEMENT       Interview of Compliance documentation is accurate and complete.         Documentation Author Name:       Documentation Author Signature:       Without Signature:	Image: State of the Pipes that are externally heated         15       Image: State of the Protect of from damage, including that due to sumlight, 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         Image: The Pipe Biameter (in)       Table 120.3-A / 160.4-A PIPE INSULATION THICKNESS         Fluid Temperature Range (*)       Registration Mumber:       Conductivity         Conductivity       Registration Mumber:       Conductivity         Registration Number:       Conductivity       To in or R-7.7       1.5 in or R-11       2.0 in or R-16         Complexity of the State
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.00 Schema Version: rev 20220101       Compliance ID: 86563-0123-0007 Report Generated: 2023-01-31 15:54:24         STATE OF CALIFORNIA       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:       2023-01-31 T18:54:22-05:00         DOCUMENTATION AUTHOR'S DECLARATION STATEMENT       (Page 7)       (Page 7)         Icertify that this Certificate of Compliance documentation is accurate and complete.       Documentation Author Name:       Documentation Author Signature:         Ryan McIntosh       Documentation Author Signature:       Documentation Author Signature:       Documentation Author Signature:         Silver Creek Industries, LLC       02-16-2023       Address:       2830 Barrett Ave       CEA/ HERS Certification (If applicable):	Image: Standards - 2022 Nonresidential Compliance       Centration Number:       Centration Number:       Centration Number:         CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: rev 20220101       Documentation Software: Energy Code Ace         State of Control       State of Control       Report Version: rev 20220101       Compliance ID: 86654-0223-0009         State of Control       State of Control       Report Version: rev 20220101       Compliance ID: 86654-0223-0009         State of Control       State of Control       Report Version: rev 20220101       Compliance ID: 86654-0223-0009         State of Control       State of Control       Report Version: rev 20220101       Compliance ID: 86654-0223-0009         State of Control       State of Control       Report Version: rev 20220101       Compliance ID: 86654-0223-0009         State of Control       State of Control       Report Version: rev 20220101       Compliance ID: 86654-0223-0009         State of Control       State of Control       Report Version: rev 20220101       Compliance ID: 86654-0223-0009         State of Control       State of Control       State of Control       Nec Control         Dependence in the control of t
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 8 of 8)         Project Address:       Date Prepared:       2023-01-31118:54:22-05:00         DOCUMENTATION AUTHOR'S DECLARATION STATEMENT       Interfig that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name:       Documentation Author Signature:       WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	Image: Status       Project that are externally heated         15       Image: Status       Project that are externally heated         16       Image: Status       Project that are externally heated         17       Image: Status       Project that are externally heated         18       Image: Status       Project that are externally heated         19       Image: Status       Project that are externally heated         10       Image: Status       Image: Status       Project that are externally heated         10       Image: Status       Image: Status       Project that are externally heated         10       Image: Status       Image: Status       Project that are externally heated         10       Image: Status       Project that are externally heated       Project that are externally heated         10       Image: Status       Project that are externally heated       Project thatare       Project thatare
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.000       Compliance ID: 86563-0123-0007         STATE OF CALIFORNIA       CALIFORNIA ENERGY COMMISSION       CALIFORNIA ENERGY COMMISSION         CERTIFICATE OF COMPLIANCE       NRCC-ITO-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       Image: Compliance documentation is accurate and complete.       Occumentation Author Signature:         Documentation Author Name:       Documentation Author Signature:       Www.       Www.         Silver Creek Industries, LLC       B2-18-2023       Bate Prepared:       Www.         Grapheret Are       CEA/ HERS Certification Identification (if applicable):       City/State/Zip: Penris/CA02257:1       Phone: (951) 943-53931	10       ••• Pipes that are externally heated         15       0       Installed with a cover suitable for outdoor service per 120.3[b]/180.4[f]. Pipe insulation buried below grade must be installed in a water proof and non-crutuable casing or steve.         TABLE 120.3-A / 16.0-A PIPE INSULATION THICKNESS         1       0       Insulation the cover suitable for outdoor service per 120.3[b]/180.4[f]. Pipe insulation buried below grade must be installed un a water proof and non-crutuable casing or steve.         TABLE 120.3-A / 16.0-A PIPE INSULATION THICKNESS         1       0       0       1.5 to <4
A Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.007       Schema Version: rev 20220101       Report Generated: 2023-01-31 15:54:24         STATE OF CALIFORNIA <b>OLIFORNIA COMPLIANCE</b> NECC-TO-E         Project Or COMPLIANCE       NECC-TO-E       Page 8 of 80         Project Address       Ol 2023-01-31 T18:54:22 co5:00       NECC-TO-E         Project Address       Ol 2023-01-31 T18:54:22 co5:00       NECC-TO-E         Project Address       Ol 2023-01-31 T18:54:22 co5:00       NECC-TO-E         OLICOMENTATION AUTHOR'S DECLARATION STATEMENT         Incline Inclin	v       Pipes that are externally leaded         15       00         15       00         15       00         16       00         17       00         18       00         19       00         19       00         10       00         10       00         10       00         10       00         100       00         100       100         100 <td< td=""></td<>
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A Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: rev 20220101       Compliance 10: 8653-0123-0007         State OF CALIFORNIA       Machine Version: rev 20220101       Report Generated: 2023-01-31 15:54:24         State OF CALIFORNIA       CALIFORNIA NETWORKS       NACC-100-E         Compliance To Compliance Compliance       NACC-100-E       NACC-100-E         Carlier Compliance Compliance       NACC-100-E       NACC-100-E         Compliance To Compliance Compliance documentation is accurate and complete.       Option Property       Option Property         Compliance State Compliance documentation is accurate and complete.       Maccurate       Maccurate         Comparie:       Californation Author Name       Option Property       Option Property         State To Property:       Property       Option Property       Option Property         Carlier Compliance documentation is accurate and complete.       Maccurate       Maccurate         Comparie:       Californation Author Name       Maccurate       Maccurate         Comparie:       Californation Author State Compliance documentation is accurate and complete.       Maccurate       Maccurate         Comparie:       Californation Author State Compliance documentation Author Stat	Image: specific and specif
A Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: rev 20220101       Compliance 10: 8653-0123-0007         State OF CALIFORNIA       Machine Version: rev 20220101       Report Generated: 2023-01-31 15:54:24         State OF CALIFORNIA       CALIFORNIA NETWORKS       NACC-100-E         Compliance To Compliance Compliance       NACC-100-E       NACC-100-E         Carlier Compliance Compliance       NACC-100-E       NACC-100-E         Compliance To Compliance Compliance documentation is accurate and complete.       Option Property       Option Property         Compliance State Compliance documentation is accurate and complete.       Maccurate       Maccurate         Comparie:       Californation Author Name       Option Property       Option Property         State To Property:       Property       Option Property       Option Property         Carlier Compliance documentation is accurate and complete.       Maccurate       Maccurate         Comparie:       Californation Author Name       Maccurate       Maccurate         Comparie:       Californation Author State Compliance documentation is accurate and complete.       Maccurate       Maccurate         Comparie:       Californation Author State Compliance documentation Author Stat	Image: Note: The set of
A Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: rev 20220101       Compliance 100: 8653-0123-0007         State OF CALIFORNIA       Machine Version: rev 20220101       Compliance 100: 8653-0123-0007         State OF CALIFORNIA       CALIFORNIANCE       NACCIONE         Compliance To COMPLIANCE       NACCIONE       NACCIONE         Opiest Name:       SUVER CREEK PC - TYPICAL CLASSROOM [Report Page:       (Page 8 of 8)         Opiest Address:       Opte Opiest Name:       (Page 8 of 8)         Optex To Compliance of Compliance documentation is accurate and complete.       (Page 8 of 8)         Normertation Author Name:       (Page 8 of 8)         State OF CALIFORNIA       Gale Prepared:       2023-01:31718:54:22:05:00         COMMENTATION AUTHOR'S DECLARATION STATEMENT       (Page 8 of 8)       (Page 8 of 8)         Compare:       Gale Prepared:       2023-01:31718:54:22:05:00         Compare:       Gale Adverse:       (Page 8 of 8)       (Page 8 of 8)         Compare:       Gale Adverse:       (Page 8 of 8)       (Page 8 of 8)         State Of Compliance Internation Author Name:       (Page 8 of 8)       (Page 8 of 8)         Compare:       Gale Adverse:       (Page 8 of 8)       (Page 8 of 8)         Matter State Of Compliance Internation Author Name:       (Page 8 of 8)	Note:       Project that are startingly, including that due to sunfight, moistare, equipment maintenance, and wind, including monosed to workthy has been based by concerned monosed. The sunfight, moistare, equipment maintenance, and wind. Including monosed to workthy has been based by concerned monosed. The sunfight, moistare, equipment maintenance, and wind. Including monosed to workthy has been based by concerned monosed. The sunfight, moistare, equipment maintenance, and wind. Including monosed to workthy has been based by concerned monosed by concerned monosed by concerned monosed. The sunfight monosed by concerned monosed monosed by concerned monosed monosed monosed by concerned monosed monosed by concerned monosed mono
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A Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: rev 20220101       Compliance 10: 8653-0123-0007         State of CALIFORNIA       Machine Version: rev 20220101       Report Generated: 2023-01-31 15:54:24         State of CALIFORNIA       CALIFORNIA DECOMPLIANCE       NACC-100-E         Project Address:       State of CALIFORNIA       NACC-100-E         Compliance of Compliance of Compliance documentation is a course and complete.       (Page & 61 6)         Project Address:       Oate Prepared:       2023-01-31118:54:22 05:00         OCCUMENTATION AUTHOR'S DECLARATION STATEMENT       (Page & 61 6)       (Page & 61 6)         Territy that this Certificate of Compliance documentation is accurate and complete.       (Page & 61 6)       (Page & 61 6)         State of Cale Condex (Compliance documentation is accurate and complete.       (Page & 61 6)       (Page & 61 6)       (Page & 61 6)         State of Cale Condex (Compliance documentation is accurate and complete.       (Page & 61 6)       (Page & 61 6)       (Page & 61 6)         Address:       203 Address:       (Page & 61 6)       (Page & 61 6)<	Note:       Second States         Second States

STATE OF CALIFORNIA Outdoor Lighting CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Domestic Water Heating System 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	CERTIFICATE OF COMPLIANCE NRCC-PLB-E 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
I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))	110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.         Project Name:       SILVER CREEK PC - TYPICAL CLASSROOM         Project Address:       Date Prepared:       2023-02-02T16:17:35-05:00
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are peing	A. GENERAL INFORMATION         01       Project Location (city)       Perris       02       Climate Zone       10
used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowance. 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 Table L Table L Table L	03       Occupancy Types Within Project (select all that apply):         • Classroom sinks and restroom lavatories
dwelling unit are included in Table H. and are not included here. All other multifamily autoor lighting is included here. Table I (below) Table J Table J Table M Table Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel	<b>B. PROJECT SCOPE</b> 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./
O2     O3     O4     O5     O6     O7     O8     O9       Area Description     Illuminated Area     Allowed Density     Area Allowance     Perimeter Length     Allowed Density     Linear Vattage Allowance     AWA + LWA	170.2(d) and 141.0(a)/180.1, or 141.0(b)/201/180.2 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.
(ft <sup>2</sup> )         (W/ft <sup>2</sup> )         (Watts)         (If)         (W/lf)         (Watts)         (Watts)           Entry         60         0.021         1.26         34         0.2         6.8         8.06	My project consists of (check all that apply):     System Type <sup>1,2</sup> System Components       New system (DHW system being installed for the first time in newly constructed building)     Individual System (serving nonresidential spaces)     Image: Constructed building
Initial Wattage Allowance for Entire Site (Watts):     250       Instances of Initial Wattage Allowance (LZ 0 only) <sup>1</sup> 258.06       Total General Hardscape Allowance (Watts):     258.06	Improvedual system (set wing nonresidential spaces)       Impro
	<ul> <li><sup>2</sup> Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.</li> <li><sup>3</sup> DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies</li> </ul>
	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
	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       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance     Report Version: 2022.0.000     Compliance ID: 86563-0123-0007       Schema Version: rev 20220101     Report Generated: 2023-01-31 15:54:24	Registration Number:     Generated Date/Time:     Documentation Software: Energy Code Ace       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance     Report Version: 2022.0.000     Compliance ID: 86563-0223-0009       Scheme Version: region: regi
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:24	Schema Version: rev 20220101 Report Generated: 2023-02-02 13:17:38
STATE OF CALIFORNIA Outdoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE	STATE OF CALIFORNIA Domestic Water Heating System CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE
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	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
J. LIGHTING ALLOWANCE: PER APPLICATION	E. ADDITIONAL REMARKS
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           CALCULATED ALLOWANCE (Watts)	This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
Area Description     Application per Table 140.7-B <sup>1</sup> # of Locations     Allowance per Locations <sup>2</sup> Luminaire Name or (Watts)     Watts per Luminaire     # of Luminaires     Additional	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.
Entry Door Building Entrance/Exit 1 19 19 F-1 30 1 30 19	Equipment Schedule: Water Heating Efficiency and Standby Loss       03     04     05     06       03     04     Gas Service     06
Total Design Watts for this Area:       30         Total Allowance (Watts) All Areas:       19         FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.       19	System Name     WH-1     Exception to 140.5(c)/ 170.2(d)3     Exceptions Do Not Apply     U     Gas Service Water Heating System >=     Capacity-weighted Average Efficiency %
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. 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.	07     08     09     10     11     12     13     14     15       Name or Fourigment Type     Volume     Rated Input Capacity     Max GPM/ First Hour Bating     Rated     Minimum Ffficiency     Ffficiency Unit     Designed Standby Loss     Maximum Standby
K. LIGHTING ALLOWANCE: SALES FRONTAGE This section does not apply to this project.	Item Tag     Item
L. LIGHTING ALLOWANCE: ORNAMENTAL	WH-1       Lettering       <=2       10,264       0 <= GPM <1.7       0.91       0.91       UEF         Instantaneous (       <=12kW)
This section does not apply to this project.	average. Water Heating Equipment All Occupancies
M. LIGHTING ALLOWANCE: PER SPECIFIC AREA         Finis section does not apply to this project.	Yes     No     Not Applicable     Requirement       18     Image: Constraint of the storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This section does not apply to this project.	19       Image: Constraint of the state is a state of the state is a state of the
Registration Number: Documentation Software: Energy Code Ace	systems serving an individual bathroom space may be an instantaneous electric water heater.
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	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	STATE OF CALIFORNIA
Outdoor Lighting     CALIFORNIA ENERGY COMMISSION       certificate of compliance     NRCC-LTO-E	Domestic Water Heating System     CALIFORNIA ENERGY COMMISSION       CERTIFICATE OF COMPLIANCE     NRCC-PLB-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	Project Name:       SILVER CREEK PC - TYPICAL CLASSROOM       Report Page:       (Page 3 of 6)         Project Address:       Date Prepared:       2023-02-02T16:17:35-05:00
O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM
Form/Title NRCI-LTO-E - Must be submitted for all buildings	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
P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	<ul> <li>For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except:</li> <li>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</li> </ul>
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.	<ul> <li>13</li> <li>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.</li> <li>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</li> </ul>
	have pipe insulation. 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: Becirculating system piping including supply and return piping of the water beater
	14       Image: Constraint of the stand of
	15       Insulation shall be protected from damage, including that due to sumight, 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
	Conductivity     Conductivity     Nominal Pipe Diameter (in)       Fluid Temperature Range (*F)     Range (Btu-in     Insulation Mean Rating Temp (     1 to <15
	Per hour per ft <sup>2</sup> per °F)         °F)         Image: Constraint of the constra
Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace	Registration Number:     Generated Date/Time:     Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0007 Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:24	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.000       Compliance ID: 86563-0223-0009         Schema Version: rev 20220101       Report Generated: 2023-02-02 13:17:38
state of california Outdoor Lighting	STATE OF CALIFORNIA Domestic Water Heating System CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE       NRCC-LTO-E         Project Name:       SILVER CREEK PC - TYPICAL CLASSROOM Report Page:       (Page 8 of 8)	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:         2023-01-31T18:54:22-05:00	Project Address:         Date Prepared:         2023-02-02T16:17:35-05:00
certify that this Certificate of Compliance documentation is accurate and complete.	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
I certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name:         Ayan McIntosh         Company:       Signature Date:	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       Requirement
I certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name:         Ryan McIntosh         Company:         Signature Date:         02-16-2023         Address:       2830 Barrett Ave         City/State/Zip:       Peris/CCA/92571         Phone:       (951) 943-53931	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       Requirement         01       Image: 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       Image: Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California
I certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name:         Ryan McIntosh         Documentation Author Signature:         Company:         Signature Date:         02-16-2023         Address:       2830 Barrett Ave         Citty/State/Zip:       Perris/CA/92571         RESPONSIBLE PERSON'S DECLARATION STATEMENT	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       Requirement         01       Image: 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).
I certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name:       Documentation Author Signature:         Ryan McIntosh       Signature Date:         Company:       Signature Date:         Silver Creek Industries, LLC       02-16-2023         Address:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         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 an 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 ing features ign features ign features identified on this Certificate of Compliance documents, worksheets, calculations,	In the problem of the system per serving individual dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for
I certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name:       Documentation Author Signature:         With the company:       Signature Date:         Company:       Signature Date:         Oddress:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         RESPONSIBLE PERSON'S DECLARATION STATEMENT         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 an 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 conform to the requirements of Tite 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 conform to the requirements of Tite 24, Part 1 and Part 6 of the California Code of Regulations.         5.       I will ensure that a completed signed copy of 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 applace are accessistent with the information provided on other applicable compliance documents, worksheets, calculations, inspections.         5.       I will ensure that a completed signed copy of this Certificate of Compliance are queried to be include	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       Applicable       Requirement         01       Image: 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       Image: 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       Image: 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.         03       Image: Controls for circulating systems serves healthcare facility.       For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.         05       Image: Combustion ary positive shut-off shall be provided per 160.4(3) on all newly installed commercial boilers as follows:         Image: Combustion ary positive shut-off shall be provided per 160.4(3) on all newly installed commercial boilers as follows:
I certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name: Ryan McIntosh       Documentation Author Signature:         Documentation Author Name: Ryan McIntosh       Signature Date: 02-16-2023         Company:       Signature Date: 02-16-2023         Address:       2830 Barrett Ave         City/State/Zip:       Perns/CA/92571         Phone:       (951) 943-53931         RESPONSIBLE PERSON'S DECLARATION STATEMENT       Phone:         Certify the following under penalty of perjury, under the laws of the State of California:       .         .       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 conform to the requirements of Title 24, Part 1 and Part of the California Code Regulations.         4.       The building design features or system design features identified on this Certificate of 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 is required to be included with the documentation the puller growty sets to the building owner at occupancy.         8.       The building design features or system design features identified on this Certificate of C	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       Requirement         01       Image: Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature sentings per 110.3(a).         02       Image: Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature controls per 110.3(a).         02       Image: Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per Si10.3(c)? unless system serves healthcare facility.         03       Image: Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per Si10.3(c)? unless systems serves healthcare facility.         04       Image: Controls for circulation systems serves healthcare facility.         05       Image: Controls or systems serving multiple dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).         06       Image: Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows:         06       Image: Combustion air positive shut capacity >= 2.5 MMBt
I certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name: Ryan McIntosh       Documentation Author Signature:         With Company:       Signature Date: 02:16:2023         Silver Creek Industries, LLC       02:16:2023         Address:       2830 Barrett Ave         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 conform to the requirements of Tite 24, Part 1 and Part 6 of the California.         3.       The energy features and performance specifications.         4.       The building design features or system disgn features or system disgn features or optical disgn features or system disgn features or system disgn features or paysend sign features or paysend sign features or paysend with this building permit application.         5.       I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the building permit splication.         6.       I will ensure that a completed signed copy of this Certificate of Compliance is required to be inclu	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       Image: 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       Image: Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(c)1 unless covered by California Plumbing Code 613.0.         03       Image: Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per \$110.3(c)1 unless covered by California Plumbing Code 613.0.         04       Image: Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per \$110.3(c)1 unless covered by California Plumbing Code 613.0.         05       Image: Controls for circulation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.         06       Image: Controls is positive shut-off shall be provided per 160.4(3) on all newly installed commercial boilers as follows:         07       Image: Controls is fars with motor >= 10 ps shall meet one of the following
certify that this Certificate of Compliance documentation is accurate and complete.         Documentation Author Name: Syan McIntosh       Documentation Author Signature:         Syan McIntosh       Signature Date: Our 2-16-2023         Company:       Signature Date: Our 2-16-2023         Suddress:       2830 Barrett Ave         Catty HERS Cortification Identification (If applicable):         Cht/Ystate/Zip:       Pernis/CA/92571         RESPONSIBLE PERSON'S DECLARATION STATEMENT         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 conform to the requirements of Title 24, Part 1 and Part of the California conform to supervised with this building permit application.         4.       The building design features or system design features or system design features or system design features or system design features identified on this Certificate of 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 is required to be included with the documentation the puller growtes to the building owner at occupancy.         kesponsible Designer Name:	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       Applicable         01       Image: 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       Image: Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls per 110.3(c) unless covered by California Plumbing Code 613.0.         03       Image: Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per \$110.3(c) unless systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.         04       Image: Controls for circulation systems serving individual dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.         05       Image: Controls for a problem system serving individual dwelling units, design includes automatic pump controls as specified in Reference Appendix RA4.4.9 per 170.2(d).         06       Image: Controls for a positive shut-off shall be provided per 160.4(3) on all newly installed commercial bioliers as follows:         07       Image: Controls for first shall be provided per 160.4(3) on all newly installed commercial bioliers as follows:
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certify that this Certificate of Compliance documentation is accurate and complete.         ooumentation Author Name: yan McIntosh       Documentation Author Signature:         ompany: liver Creek Industries, LLC       Signature Date: 02-16-2023         ddress:       2830 Barrett Ave         EXPONSIBLE PERSON'S DECLARATION STATEMENT         Vestor       (951) 943-53931         EXPONSIBLE PERSON'S DECLARATION STATEMENT         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 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 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.         3.       The building design features or system design features dentified on this Certificate of Compliance accounts, worksheets, calculations, plans and specifications submitted to the enforcement agency for all applicable inspections. Junderstand that a completed signed copy of this Certificate of Compliance is required	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 150.4(e) / 170.2(d).         Yes       No       Applicable       Requirement         01       Ø       Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature sectings per 110.3(a).         02       O       Ø       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       O       Ø       Controction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature sectings per 100.3(c)1 unless covered by California Plumbing Code 613.0.         03       O       Ø       Controcting pumps or electrical heat trace systems are capable of automatically turning off the system per \$110.3(c)2 unless systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.         04       O       For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.         06       O       Ø       For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
Documentation Author Name:       Documentation Author Signature:         Ryan McIntosh       Signature Date:         Company:       Signature Date:         Silver Creek Industries, LLC       02-16-2023         Address:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         Phone:       (951) 943-53931 <b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b> Lertify 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 conform to the requirements of Tite 24, Part 1 and Part 6 of the California Code of Regulations.         3.       The energy features on system design features or system design features or system design features identified on this Certificate of Compliance conform to the requirements of Tite 24, Part 1 and Part 6 of the California Code of Regulations.         4.       The building design features or system design features or system design identified 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 is required to the enforcement agency for approval with the building p	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       No       No       No       Requirement         01       Image: 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].       Image: Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls per 110.3[c]1 unless covered by California Plumbing Code 613.0.         02       Image: Construction for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per \$110.3[c]1 unless systems serving multiple dwelling units, design includes automatic pump controls per 170.2[d] or 180.1[b]3 for additions.         03       Image: Construction systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2[d].         04       Image: Combustion air fans with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static purps server.         06       Image: Combustion air fans with motor >= 10 ph shall meet one of the following         07       Image: Combustion air fans with motor >= 10 ph shall meet one of the following         08       Image: Combustion air



Documentation Software: Energy Code Ace

state of california Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION		
CERTIFICATE OF COMPLIANCE Project Name: SILVER CREEK PC - TYPICAL		NRCC-PLB-E (Page 5 of 6)		ITIFICATION STAMP
Project Address:	Date Prepared:	2023-02-02T16:17:35-05:00	DIV. OF	THE STATE ARCHITECT
I. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE				2-122159 INC: REVIEWED FOR
There are no forms required for this project.			ss 🗹	
K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION There are no forms required for this project.			DATE:	02/27/2024
			PROJECT SPECIFIC STA	TE AGENCY APPROVAL
			THESE DRAWINGS AND ALL MAT	
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			OF DIRECTLY OR INDIRECTLY AN WHOLE OR IN PART TO ASSIST IN	D SHALL NOT BE USED IN
			PURPOSE OF FURNISHING ANY II OF DRAWINGS, PRINTS, APPARA	NFORMATION FOR THE MAKING
			WITHOUT THE FULL KNOWLEDGE SCM Inc.	
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Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace	PROJECT NAME:	
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Domestic Water Heating System CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRCC-PLB-E	(2)	24' x 40'
Project Name: SILVER CREEK PC - TYPICAL Project Address:	CLASSROOM Report Page: Date Prepared:	(Page 6 of 6) 2023-02-02T16:17:35-05:00		A BUILDINGS
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT				
I certify that this Certificate of Compliance documentation is accurate a Documentation Author Name:			SHEET TITLE:	
Summaria and Annuel A Silver Creek Industries, LLC	Signature Date: 02-16-2023		CERTIFI	
Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571	CEA/ HERS Certification Identification (if applicable): Phone: (951) 943-53931			
RESPONSIBLE PERSON'S DECLARATION STATEMENT 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.				CE FORMS
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<ol> <li>The building design features or system design features identified on this Certificate of Co plans and specifications submitted to the enforcement agency for approval with this built I will ensure that a completed signed copy of this Certificate of Compliance inspections. I understand that a completed signed copy of this Certificate of Compliance</li> </ol>	ilding permit application. de available with the building permit(s) issued for the building, and made ava	ailable to the enforcement agency for all applicable	REVIS	SIONS
Responsible Designer Name: John Starlin Company: Silver Creek Industries, LLC	Responsible Designer Signature:	,,,	2	
Address: 2830 Barrett Ave City/State/Zip: Perris/CA/92571	License: 2475			
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CA Building Energy Ef	fficiency Standards - 20	22 Nonresidential Com		Version: 2022.0.000 a Version: rev 20220101			D: 90125-0223-0002 2023-02-17 15:05:11
STATE OF CALIFORNIA Solar And Bat	tery					CALIFORNIA EN	ERGY COMMISSION
CERTIFICATE OF COM	MPLIANCE						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 (P	V) AND BATTERY SYS	TEMS					
	rgy model using perform	mance path, 140.10/ 1			g and h). Unless the pro ad battery systems for n		
Photovoltaic (PV) Syste	em						
01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft <sup>2</sup> )	Area of New Roof <sup>1</sup> (ft <sup>2</sup> )	Roof Area < 70% Solar Access <sup>2</sup> (ft <sup>2</sup> )	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area <sup>3</sup> (ft <sup>2</sup> )	Solar Access Roof Area (SARA) (ft <sup>2</sup> )	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 S	ize PV System Required	for all Spaces (kWdc):	11.81
					Total Size PV Sys	tem in Design (kWdc):	11.81
other newly constructe	d structures on the site determined using CEC a a.gov/programs-and-top	that are compatible w pproved solar access co	ith supporting a PV syst alculation tools found at	em per Title 24, Part 2 : t		a covered parking areas	, carports, and all
K. DECLARATION OF	REQUIRED CERTIFICA	ATES OF INSTALLATIC	N .				
			Form	/Title			
NRCI-SAB-01-E - Must k	be submitted for all bui	ldings that must compl	y with solar readiness o	or PV/Battery requireme	ents.		
	REQUIRED CERTIFICA		-				
There are no forms req		TES OF ACCEFTANCE	-				
There are no jorns req	unea for this project.						

Generated Date/Time:

Report Version: 2022.0.000 Schema Version: rev 20220101

Generated Date/Time:

Documentation Software: Energy Code Ace

Documentation Software: Energy Code Ace Compliance ID: 90125-0223-0002 Report Generated: 2023-02-17 15:05:11

Registration Number:

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

l certif	y that this Certificate of Compliance documentation is accurate and	complete.
Documer	ntation Author Name:	Documentation Auth
Ryan M	IcIntosh	
Company	/:	Signature Date:
Silver C	reek Industries, LLC	02-20-2023
Address:	2830 Barrett Ave	CEA/ HERS Certificati
City/State	e/Zip: Perris/CA/92571	Phone: (951) 943-
RESPO	NSIBLE PERSON'S DECLARATION STATEMENT	
l certify t	he 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 fo	r the building design or system
3.	The energy features and performance specifications, materials, components, and manufactur of Title 24, Part 1 and Part 6 of the California Code of Regulations.	red devices for the building des
4.	The building design features or system design features identified on this Certificate of Compli plans and specifications submitted to the enforcement agency for approval with this building	
5.	I will ensure that a completed signed copy of this Certificate of Compliance shall be made ava inspections. I understand that a completed signed copy of this Certificate of Compliance is re-	
Responsi	ble Designer Name: John Starlin	Responsible Designe
Company	/: Silver Creek Industries, LLC	Date Signed: 02-20
Address:	2830 Barrett Ave	License: 2475
City/State	e/Zip: Perris/CA/92571	Phone: (951) 943-

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

STATE OF CALIFORNIA Solar And Battery CERTIFICATE OF COMPLIANCE Project Name: Project Address:

CERTIFICATE OF COMPLIANCE, SOLAR & BATTERY - PV

CERTIFICATE OF COMPLIANCE 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	STATE OF CALIFORNIA Solar And Battery CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name: 40- PC-Solar Ready/Report Page: (Page 5 of 7)	
prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft <sup>2</sup> of roof area. Alterations, or additions of less than 2,000 ft <sup>2</sup> of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.	Project Address: Date Prepared: 2023-02-17T18:06:54-05:00	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122159 INC:
Project Name:     40- PC-Solar Ready     Report Page:     (Page 1 of 7)       Project Address:     Date Prepared:     2023-02-17T18:06:54-05:00	Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to N/A the electrical service/ water heating system per <u>§110.10(c)</u> . <sup>1</sup> FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per <u>§110.10(b)1B</u> . 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.	REVIEWED FOR SS I FLS I ACS I DATE: 02/27/2024
01Project Location (city)N/A04Building OccupanciesSchool or Classroom02Climate Zone1505Construction TypeNew construction03Conditioned Floor Area (ft <sup>2</sup> )96006Number of StoriesBldg <= 3 stories	G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION This section does not apply to this project.	
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	H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS         This section does not apply to this project.	PROJECT SPECIFIC STATE AGENCY APPROVAL
01         Image: 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.         Image: 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.         Image: Photovoltaic 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.         Image: Photopsic Photops	I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION This section does not apply to this project.	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
Image: designed for vehicular traffic, parking or for heliport       Plan sheet showing roof designed for vehicular traffic, parking or heliport         Image: designed for vehicular traffic, parking or for heliport       Plan sheet showing roof designed for vehicular traffic, parking or heliport         Image: designed for vehicular traffic, parking or for heliport       Plan sheet showing roof designed for vehicular traffic, parking or heliport         Image: designed for vehicular traffic, parking or for heliport       The project is new construction and has a total roof area <= 533 square feet <sup>1</sup> Image: designed for vehicular traffic, parking or for heliport       The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories.         Image: designed for vehicular traffic, parking or for heliport       The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories.		SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc
1FOOTNOTE: Buildings with roof area <=533 ft <sup>2</sup> would have a required solar zone < 80 ft <sup>2</sup> and are therefore exempt per 110.10(b)1.       Documentation Software: Energy Code Ace         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	Registration Number:Generated Date/Time:Documentation Software: Energy Code AceCA Building Energy Efficiency Standards - 2022 Nonresidential ComplianceReport Version: 2022.0.000 Schema Version: rev 20220101Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58	PROJECT NAME: SYLVAN USD
STATE OF CALIFORNIA       CALIFORNIA ENERGY COMMISSION         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	State of california       CALIFORNIA ENERGY COMMISSION         Certificate of compliance       NRcc-sabe         Project Name:       40- PC-Solar Ready       Report Page:       (Page 6 of 7)         Project Address:       Date Prepared:       2023-02-17T18:06:54-05:00	SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS
Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)         01 <ul> <li>Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)</li> <li></li></ul>	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 (ft <sup>2</sup> )       Area of New Roof1 (ft <sup>2</sup> )       Roof Area < 70% Solar Access <sup>2</sup> (ft <sup>2</sup> )       Occupant Showing Solar Access       Occupied Roof Area <sup>3</sup> (ft <sup>2</sup> )       Solar Access Roof Area (ft <sup>2</sup> )       Min Size of PV System Required (kWdc)	SHEET TITLE: CERTIFICATE OF COMPLIANCE FORMS
Exception to PV and Battery: No contiguous       The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.         Exception to PV and Battery: Can't meet snow       The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.         Exception to PV and Battery: Multi-tenant       The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering	Area (ft <sup>2</sup> )     Area (ft <sup>2</sup> )     (ft <sup>2</sup> )     Access <sup>2</sup> (ft <sup>2</sup> )     Solar Access Calculations     (ft <sup>2</sup> )     Area (SARA) (ft <sup>2</sup> )     Required (kWdc)       School or Classroom     960     1,140     0     Roof plans A-3.xx     0     1,140     1.56       Total Min Size PV System Required for all Spaces (kWdc):       Total Size PV System in Design (kWdc):	REVISIONS
Image: Second	<sup>1</sup> 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. <sup>2</sup> 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. <sup>3</sup> As specified by CBC Section 503.1.4.	
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.	K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Form/Title	
Compliance meets Exception 2 to solar ready requirements in 110.10(b).	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	PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC
	There are no forms required for this project.	A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
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	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	IDENTIFICATION STAMP NV. OF THE STATE ARCHITECT APP. 04-121999 INC. REVIEWED FOR SS PESP ACSP
Project Name:       40- PC-Solar Ready       Report Page:       (Page 3 of 7)         Project Address:       Date Prepared:       2023-02-17T18:06:54-05:00	Project Name:       40- PC-Solar Ready Report Page:       (Page 7 of 7)         Project Address:       Date Prepared:       2023-02-17T18:06:54-05:00	
C. COMPLIANCE RESULTS	I certify that this Certificate of Compliance documentation is accurate and complete.	PC STATE AGENCY APPROVAL
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	Documentation Author Name:     Documentation Author Signature:       Ryan McIntosh     Signature Date:       Company:     Signature Date:       Silver Creek Industries, LLC     02-20-2023       Address:     2830 Barrett Ave       CEA/ HERS Certification Identification (if applicable):	
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         Minimum Area (ft <sup>2</sup> )       Compliance (ft <sup>2</sup> )       08       Required Minimum DC Power Rating (Watts)       08       Required Minimum Solar Savings Fraction       08       JA5       Alternative EE Measure       Compliant       Energy Thermostat       Compliant       Energy Thermostat       COMPLIES         171       <=	Ryan McIntosh       Watter         Company:       Signature Date:         Silver Creek Industries, LLC       02-20-2023         Adress:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         Phone:       (91) 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 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 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 is required to be included with the documentation the building owner at occupancy.	
Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below.         Mallocated Solar Zone       Installed PV System       Smart Tstat and Alternative EE Measure       Compliance Results         01       02       03       04       05       06       07       08       07       08         Required Minimum Area (ft <sup>2</sup> )       0       0       04       05       06       06       07       08       07       08         (See Table F)       0       0       02       08       05       06       06       07       08       07       08       08       08       07       08       08       08       07       08       07       08       07       08       08       08       08       08       07       08<	Ryan McIntosh       Watter         Company:       Signature Date:         Silver Creek Industries, LLC       02-20-2023         Address:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         City/State/Zip:       Perris/CA/92571         Phone:       (951) 943-53931         RESPONSIBLE PERSON'S DECLARATION STATEMENT         Icertify 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 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:         4.       The building design features or system design features 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 adeptor or 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, and made available to the enforcement agency for all applicable	Silver Creek
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       Compliance Results         01       02       03       04       05       06       07       08         Required       03       04       05       06       07       08       07       08         Minimum       4 rea (ft <sup>2</sup> )       0R       Required       00       0R       Required       00       08       05       06         Watts)       08       Required       08       Required       08       08       08       07       08	Ryan McIntosh       Watter         Company:       Signature Date::         Gompany:       02-20-2023         Silver Creek Industries, LLC       02-20-2023         Address:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         Phone:       (951) 943-53931         Phone:       (951) 943-53931         Iterrity 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 conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.         3.       The energy features or system design features identified on this Certificate of Compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.         3.       I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the documentation provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this 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 Compli	Silver Creek830 BARRETT AVE PERRIS, CALIFORNIA 92571PHONE: 951-943-5393 FAX: 951-943-2211
Exceptional Conditions" refer to Table D. for guidance or see the applicable Table Table Table Tables Table Tables Tables Tables Tables D. for guidance or see the applicable Table Tables Tab	Ryan McIntosh       Watter         Company:       Signature Date::         Gompany:       02-20-2023         Silver Creek Industries, LLC       02-20-2023         Address:       2830 Barrett Ave         City/State/Zip:       Perris/CA/92571         Phone:       (951) 943-53931         Phone:       (951) 943-53931         Iterrity 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 conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.         3.       The energy features or system design features identified on this Certificate of Compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.         3.       I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the documentation provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this 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 Compli	2830 BARRETT AVE PERRIS, CALIFORNIA 92571
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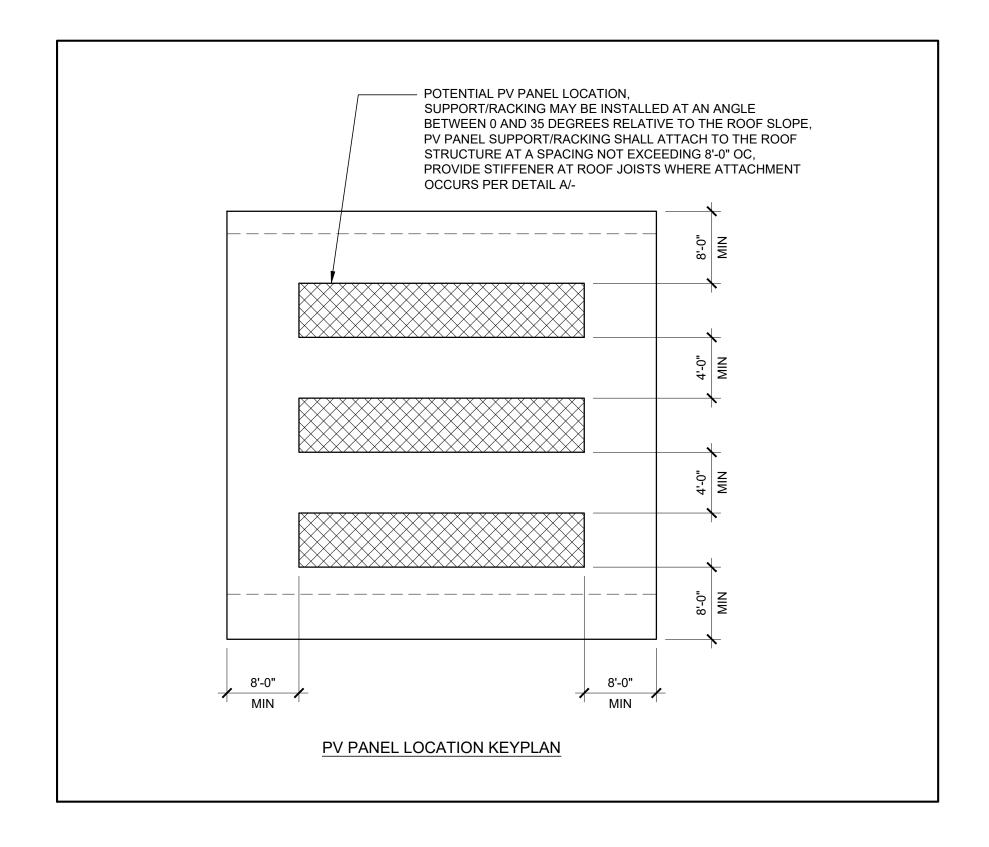
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$\boxtimes$	Drouide Color Deady Area no overations		1 11 11 1	c in \$110,10(b), as documented in Table F
	Provide Solar Ready Area no exceptions	The project has allocated	a solar zone on the roof plan per requirement	s in <u>9110.10(b)</u> , as documented in Table F.
	Exception to Solar Ready Area: Installed Solar Photovoltaic System		rmanently installed solar electric system havin , of no less than one watt per square foot of ro	g a nameplate DC power rating, measured under of area as documented in Table G.
	Exception to Solar Ready Area: Installed Solar Water Heating System		tel or high-rise multifamily occupancy and incl nplying with 170.2(d)3C and Reference Reside	udes a permanently installed domestic solar ntial Appendix RA4, as documented in Table H.
	Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure		ily occupancy where all thermostats in each dw lin Exception 4 to $\frac{\$110.10(b)1B}{\$110.10(b)1B}$ is installed, as	velling unit comply with <u>§110.12(a)</u> AND at least one s 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 helipo	rt
	Exception to Solar Ready Area: Roof too small	The project is new constr	uction and has a total roof area <= 533 square	feet <sup>1</sup>
	Exception to Solar Ready Area: Number of building stories		tial > 3 stories or multifamily/ hotel/motel > 1	
FOOTN	IOTE: Buildings with roof area <=533 ft <sup>2</sup> would h	ave a required solar zone	< 80 ft <sup>2</sup> and are therefore exempt per 110.10(b	91.
Regist	ration Number:		Generated Date/Time:	Documentation Software: Energy Code Ace
CA Bu	ilding Energy Efficiency Standards - 2022 Nonre	sidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 90123-0223-0003 Report Generated: 2023-02-17 15:06:58
	r And Battery			CALIFORNIA ENERGY COMMISSIO
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	ding design or system design identified on this Certificate of	
ufactured device	es for the building design or system design identified on this	Certificate of Compliance conform to the requirements
Compliance are o uilding permit ap	consistent with the information provided on other applicabl	e compliance documents, worksheets, calculations,
	h the building permit(s) issued for the building, and made a	
e is required to	be included with the documentation the builder provides to	the building owner at occupancy.
	Responsible Designer Signature:	
	Date Signed: 02-20-2023	
	Date Signed: 02-20-2023	

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Documentation Software: Energy Code Ace Compliance ID: 90125-0223-0002 Report Generated: 2023-02-17 15:05:11 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 SYSTEM SIZING AND INSTALLATION REQUIREMENTS**

#### 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. RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE
- OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT. 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**
- 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

- 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

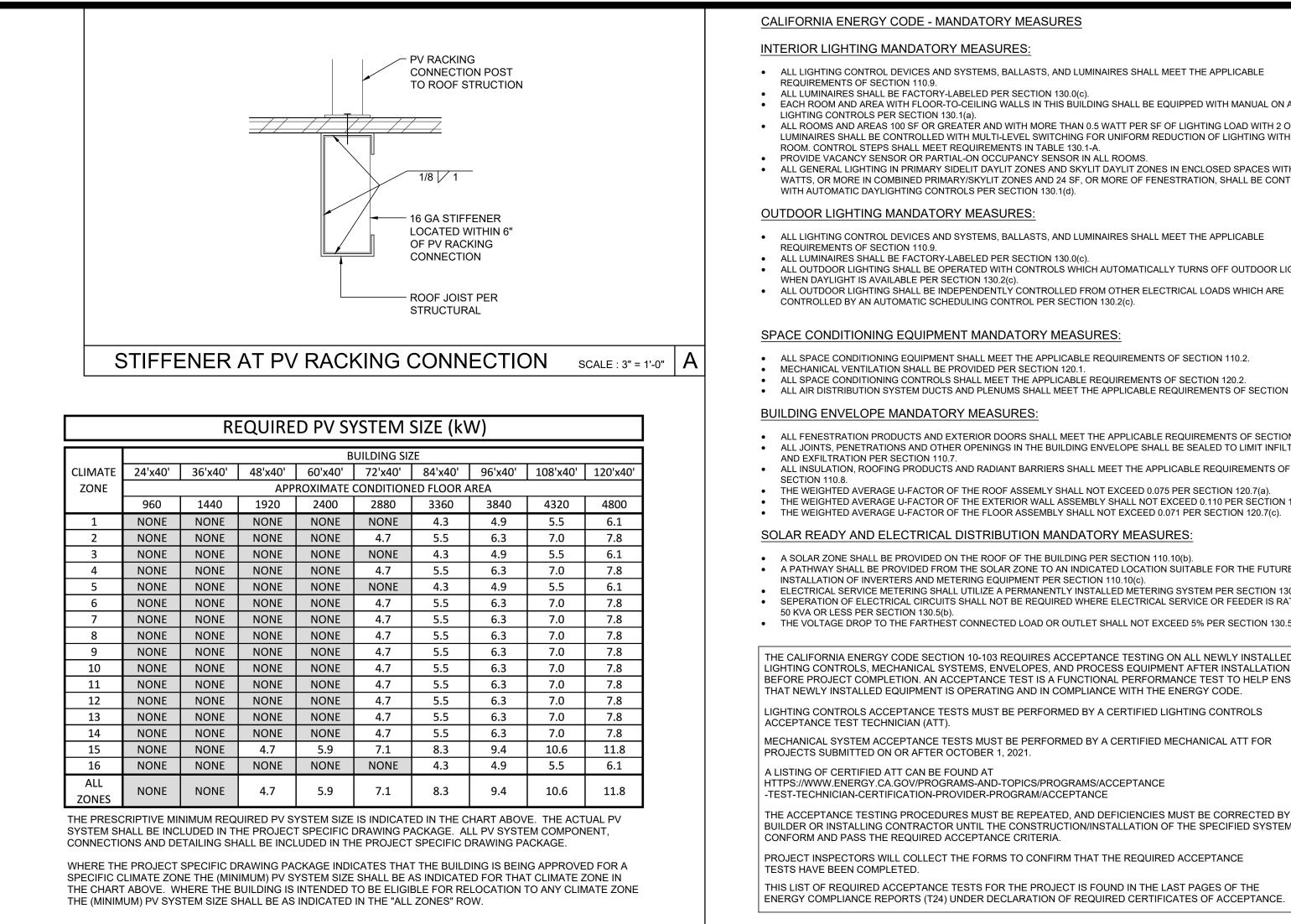
- INDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
- RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION: I. TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION 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
- WASTE MANAGEMENT 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. ANY TEMPORARY VENTILATION 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.
- VIL CARPETED SURFACES SHALL BE VACUUMED PER THE CR.I/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 SYSTEM 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.

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 (SECTIONS 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.

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

#### 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

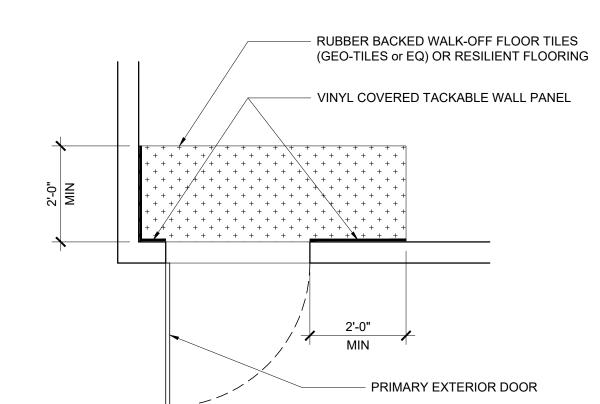
# FOLLOWING ASSEMBLY SHALL BE USED:

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.

SHALL BE PROVIDED.



#### CALIFORNIA ENERGY CODE - MANDATORY MEASURES

#### INTERIOR LIGHTING MANDATORY MEASURES

ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE

 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

OUTDOOR LIGHTING MANDATORY MEASURES

ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE

• 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

#### SPACE CONDITIONING EQUIPMENT MANDATORY MEASURES

ALL SPACE CONDITIONING EQUIPMENT SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.2.

 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.

• 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 FHAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS

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

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

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

## 3 CALIFORNIA ENERGY CODE - MANDATORY MEASURES 1

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

WHEN THE PC BUILDING IS PLACED ADJACENT TO ANOTHER BUILDING, A SEPARATION (AIR GAP) OF NOT LESS THAN 6"

## PRIMARY EXTERIOR WALL FINISH DIAGRAM

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 Ir PROJECT NAME: SYLVAN USD SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS SHEET TITLE: **PV SYSTEM REQUIREMENTS, ENERGY** MANDATORY MEASURES & **CALGREEN SPEC'S** REVISIONS

**IDENTIFICATION STAMP** 

DIV. OF THE STATE ARCHITEC

**REVIEWED FOR** 

SS 🗹 FLS 🗹 ACS 🗹

02/27/2024

APP: 02-122159 INC:

DATE:

PROJECT SPECIFIC STATE AGENCY APPROVAL

HESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE

THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND

SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSE

WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE

PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING

OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN

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

IDENTIFICATION STAMF . OF THE STATE ARCHITE 21999 08/31/2021

PC STATE AGENCY APPROVAL



Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571

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

MODULAR BUILDING DESIGN PROFESSIONAL

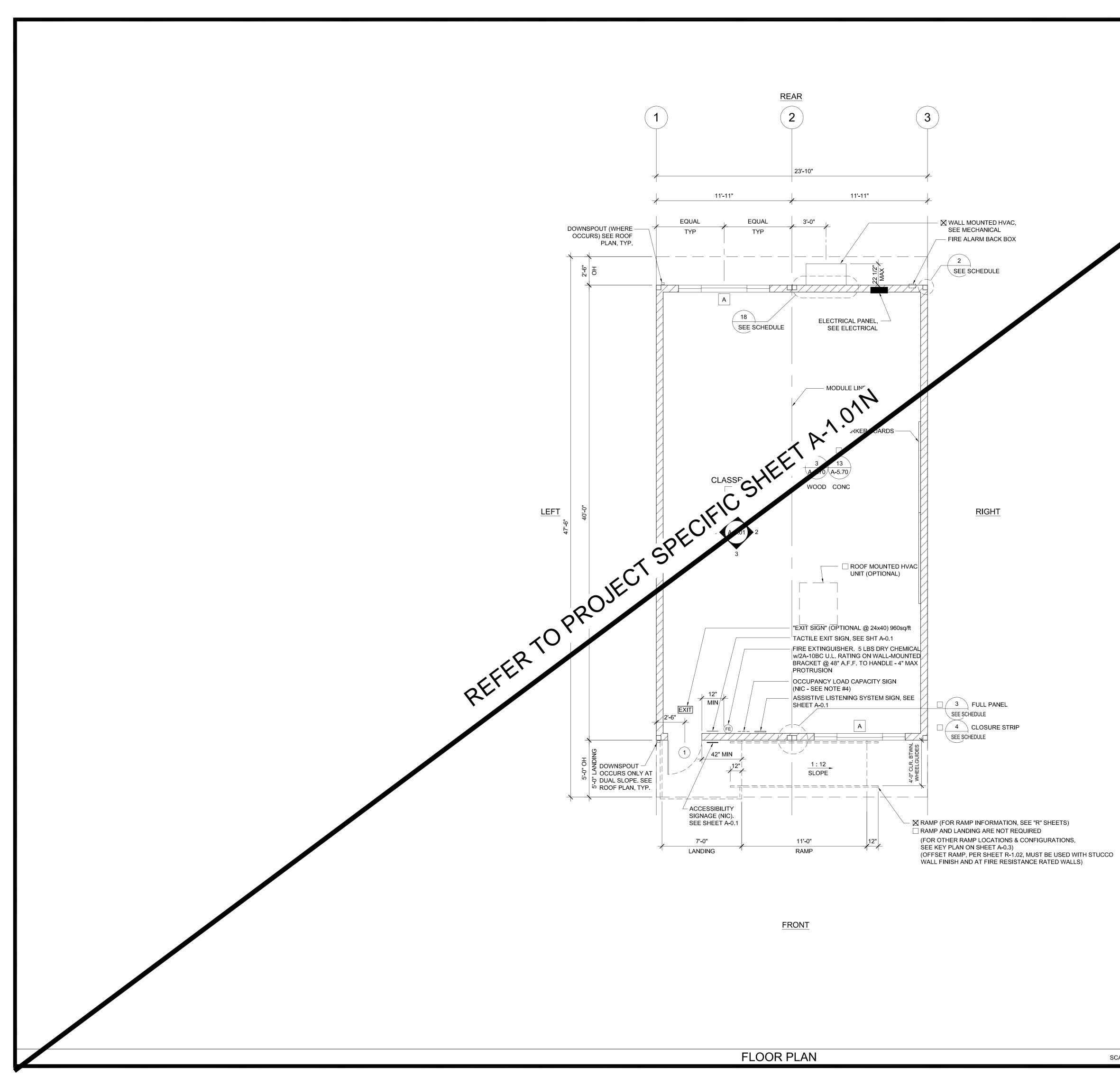


SILVER CREEK INDUSTRIES 24' x 40' PC

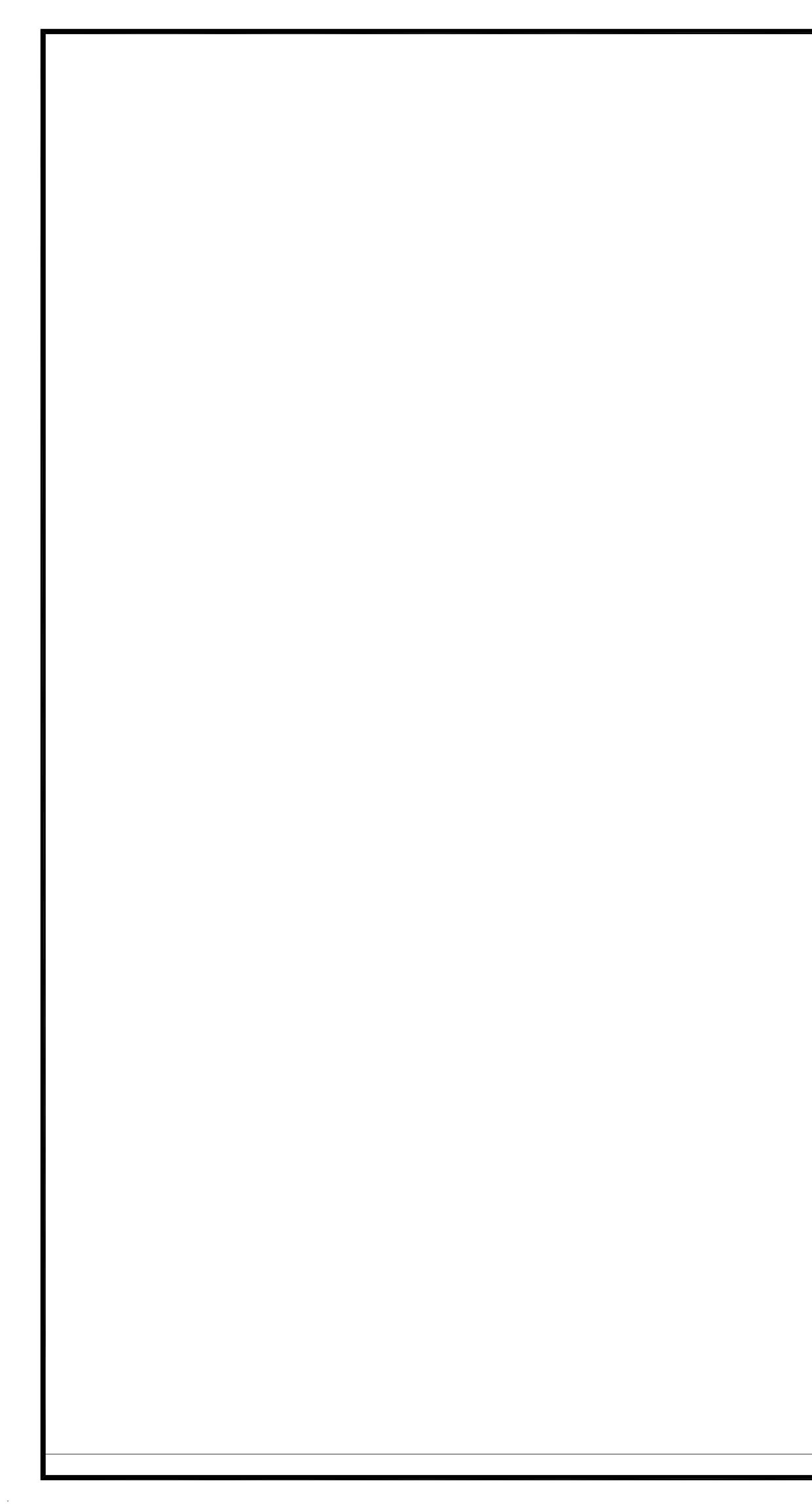
PROJECT NO: DRAWN BY: SCALE: AS NOTED DATE: 02-27-2023 P.C. SHEET NUMBER

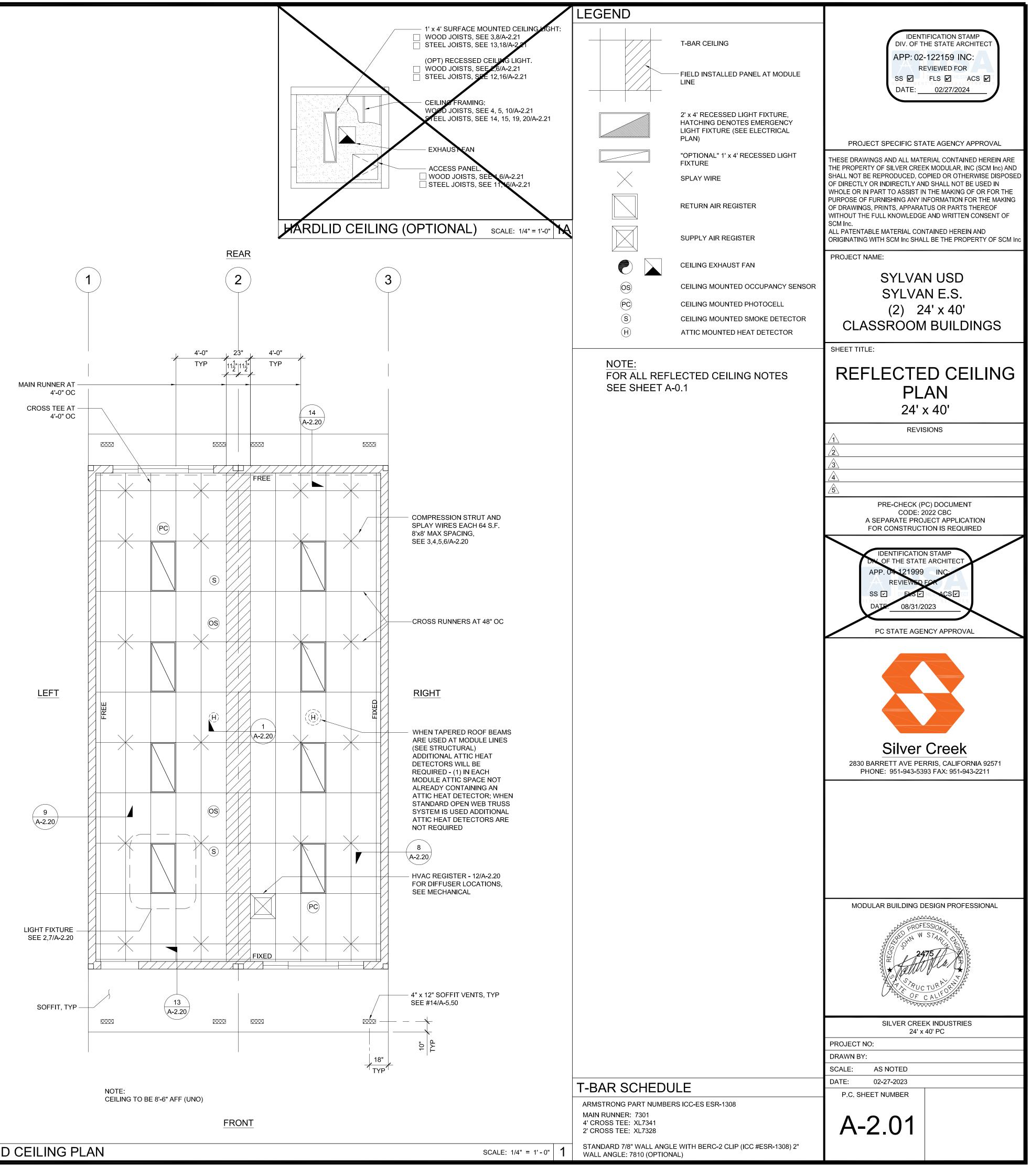
A-0.7

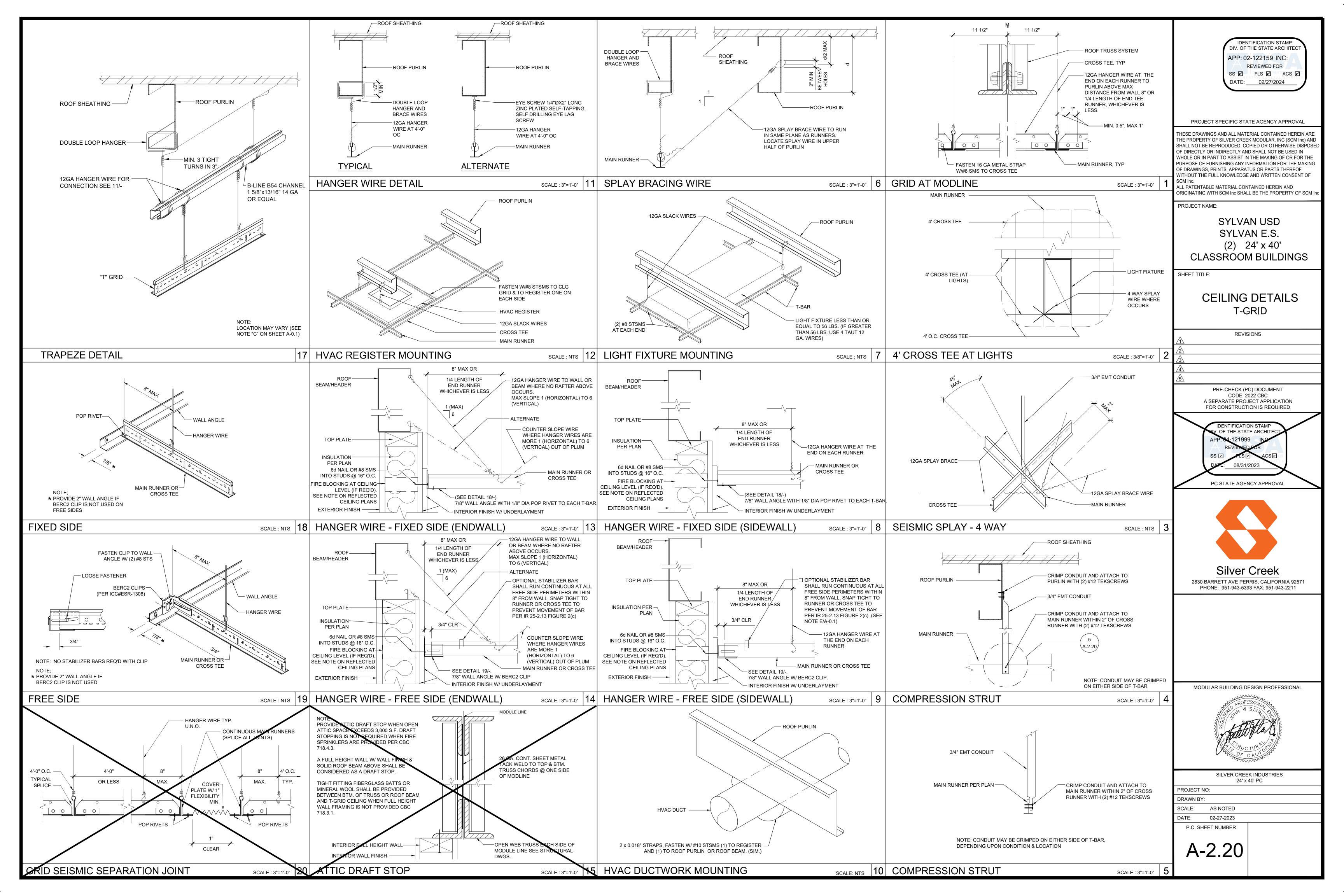
CALGREEN SPECIFICATIONS 2

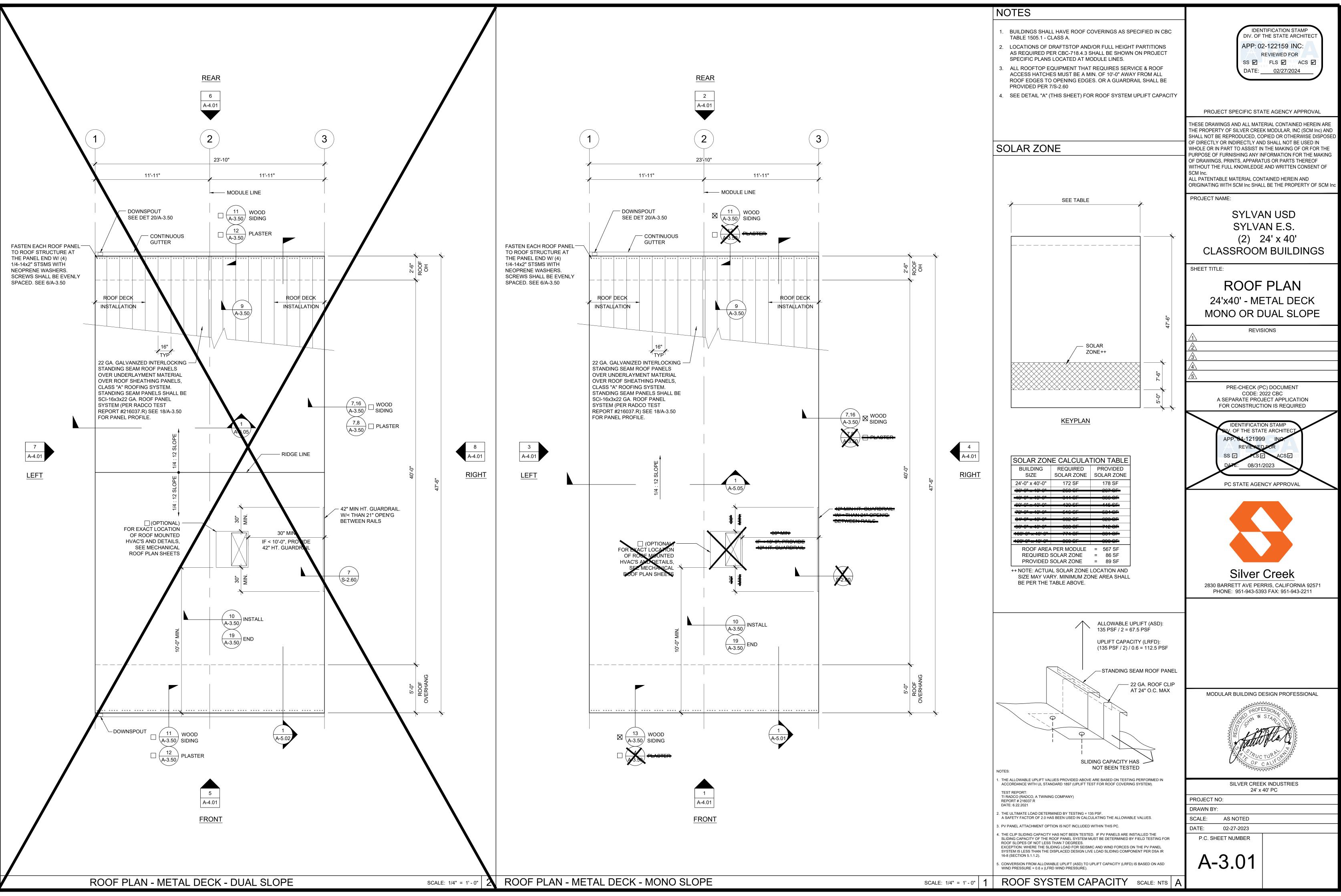


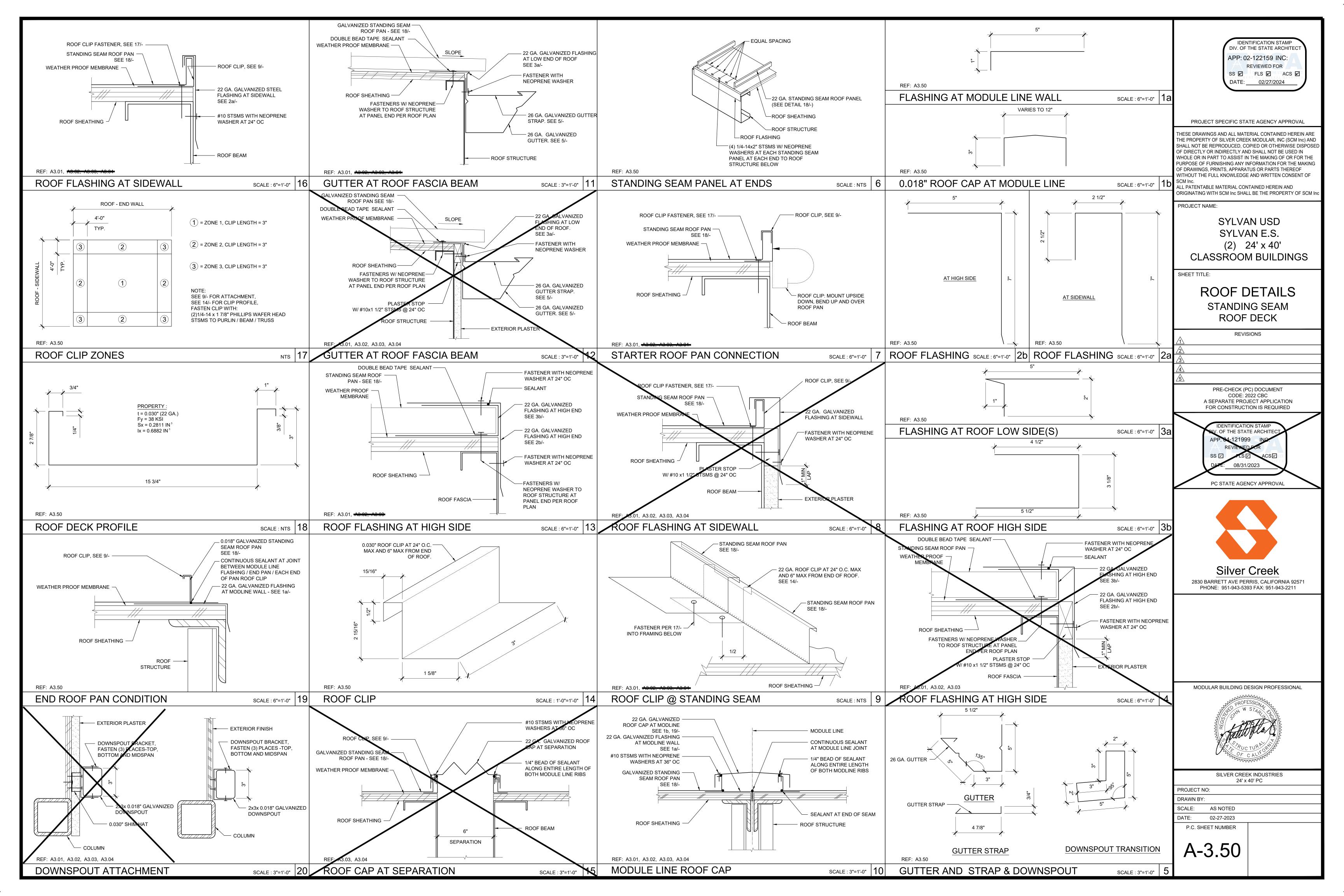
	NOTES			
	<ol> <li>PLACE (2) PERMANENT METAL IDENTIFICATION LABEL MODULE. PER IR 16-1 (4.1)</li> <li>(1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE ( LINE AT INTERIOR FRAME. LABELS WILL BE MECHAN FASTENED AND SHOW THE DSA APPLICATION MIMBE MANUFACTURER'S NAME AND SERIAL NUMPLR, DESI LOAD FOR ROOF AND FLOOR FRAMING, DEQUIRED PY CAPACITY (kW), WIND SPEED, EXPOSITIVE CATEGORY 2022 CBC, DESIGN CLIMATE ZONFI DEISMIC PARAMET</li> <li>VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY</li> </ol>	DIV. OF TI APP: 02- RI SS 🗹	IFICATION STAMP HE STATE ARCHITECT -122159 INC: EVIEWED FOR FLS ACS 02/27/2024	
	<ul> <li>SECTION 803.7</li> <li>3. LOCATIONS OF DE ORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE</li> </ul>		PROJECT SPECIFIC ST	ATE AGENCY APPROVAL
	<ol> <li>SUBMITTER / O DSA)</li> <li>POSTAG OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CHIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 ART. 3.30 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK</li> <li>IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS</li> <li>FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH</li> </ol>		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.	
	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)		ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc PROJECT NAME:	
	<ol> <li>ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION</li> <li>INTERIOR WALLS MAY BE ADDED TO FLOOR PLAN. SEE STRUCTURAL</li> </ol>		SYLVAN USD	
	<ol> <li>FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80</li> <li>INTERIOR WALLS RETWEEN CLASSROOMS AND AD LOCENT SPACES</li> </ol>		SYLVAN E.S. (2) 24' x 40'	
	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		CLASSROOM BUILDINGS SHEET TITLE:	
	<ol> <li>TOILET ROOM FLOORING AND BASE SHALL BE INSTALLED PER 10/A-5.70 IN LIEU OF PROVIDING A CURB (IR 23-2)</li> <li>DOORS SHALL PROVIDED WITH MINIMUM 4' CANOPY OR ROOF</li> </ol>		FLOOR PLAN	
-	DETAIL SCHEDULE		24' x 40'	
-	FINISH:	SHEET #: A-5.50		SIONS
-	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51 A-5.60		
-	<ul> <li>SIDING OVER STEEL STUDS</li> <li>PLASTER OVER 1/2" OSB OR 1/2" CDX PLY</li> <li>WITH STEEL STUDS</li> </ul>	A-5.61		022 CBC
-	FIRE RATED DETAIL SCHEDULE		A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	
-	<ul> <li>1 HOUR - SIDING OVER WOOD STUDS</li> <li>1 HOUR - PLASTER OVER 1/2" OSB OR</li> <li>1/2" CDX PLY WITH WOOD STUDS</li> <li>1 HOUR - SIDING OVER STEEL STUDS</li> <li>1 HOUR - PLASTER OVER 1/2" OSB OR</li> <li>1/2" CDX PLY WITH STEEL STUDS</li> </ul> WALL LEGEND	A-5.52 A-5.53 A-5.62 A-5.63	IDENTIFICATION STAMP DN OF THE STATE ARCHITECT APP. 04 121999 INC REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 08/31/2023 PC STATE AGENCY APPROVAL	
	NOMINAL 4" WALL STUD         NOMINAL 6" WALL STUD         NOMINAL 6" WALL STUD         NOMINAL 8" 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" NO STUD) (MIN). EXCEPTION: AT UNCONDITIONED RESTROMODULES.	Silver Creek         2830 BARRETT AVE PERRIS, CALIFORNIA 92571         PHONE: 951-943-5393 FAX: 951-943-2211		
_	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		MODULAR BUILDING DESIGN PROFESSIONAL	
	30"x48" CLEAR SPACE			
- 0" 1	<ul> <li>MARKING &amp; IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.5)</li> <li>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:</li> <li>BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;</li> <li>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</li> <li>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.</li> </ul>		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	

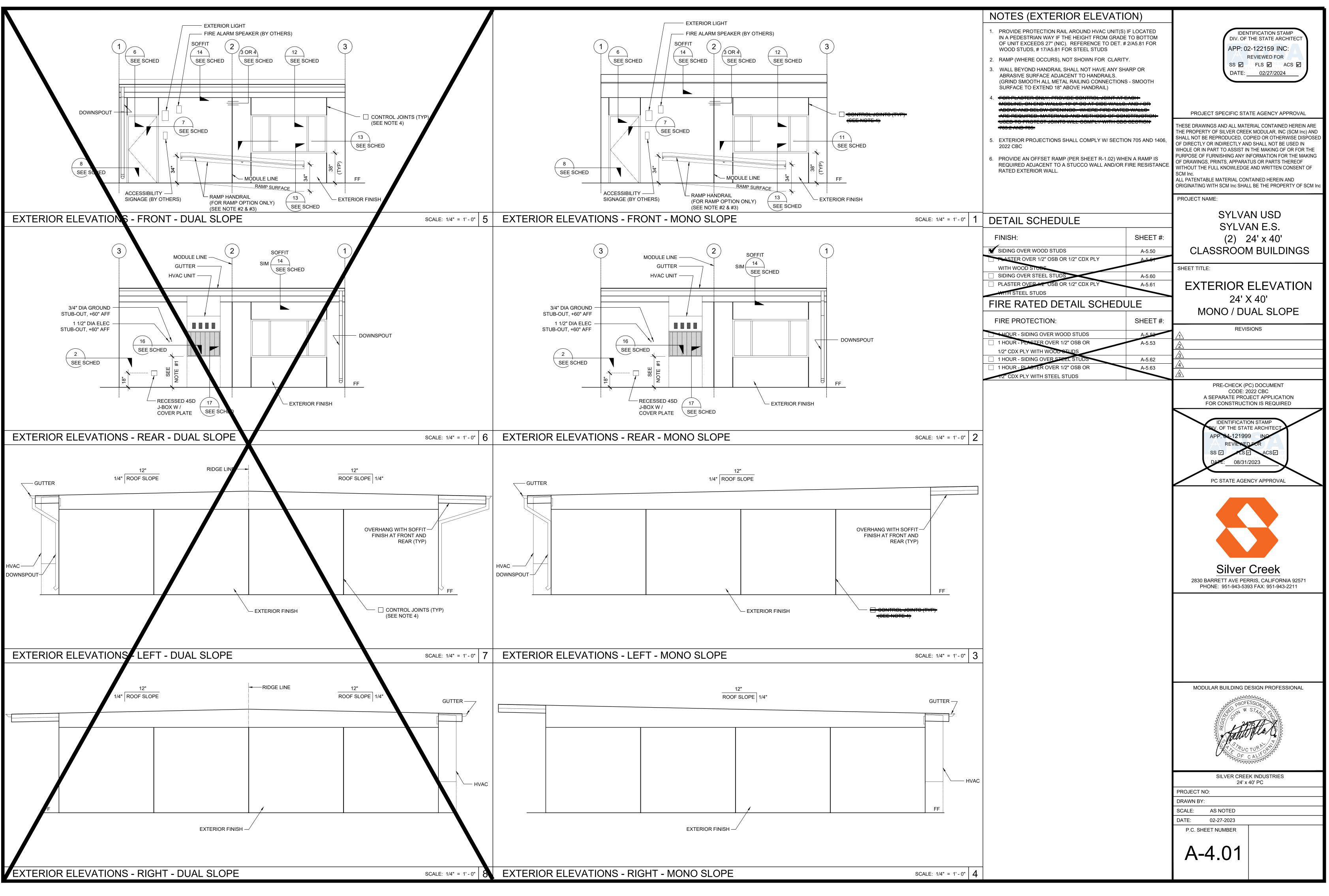


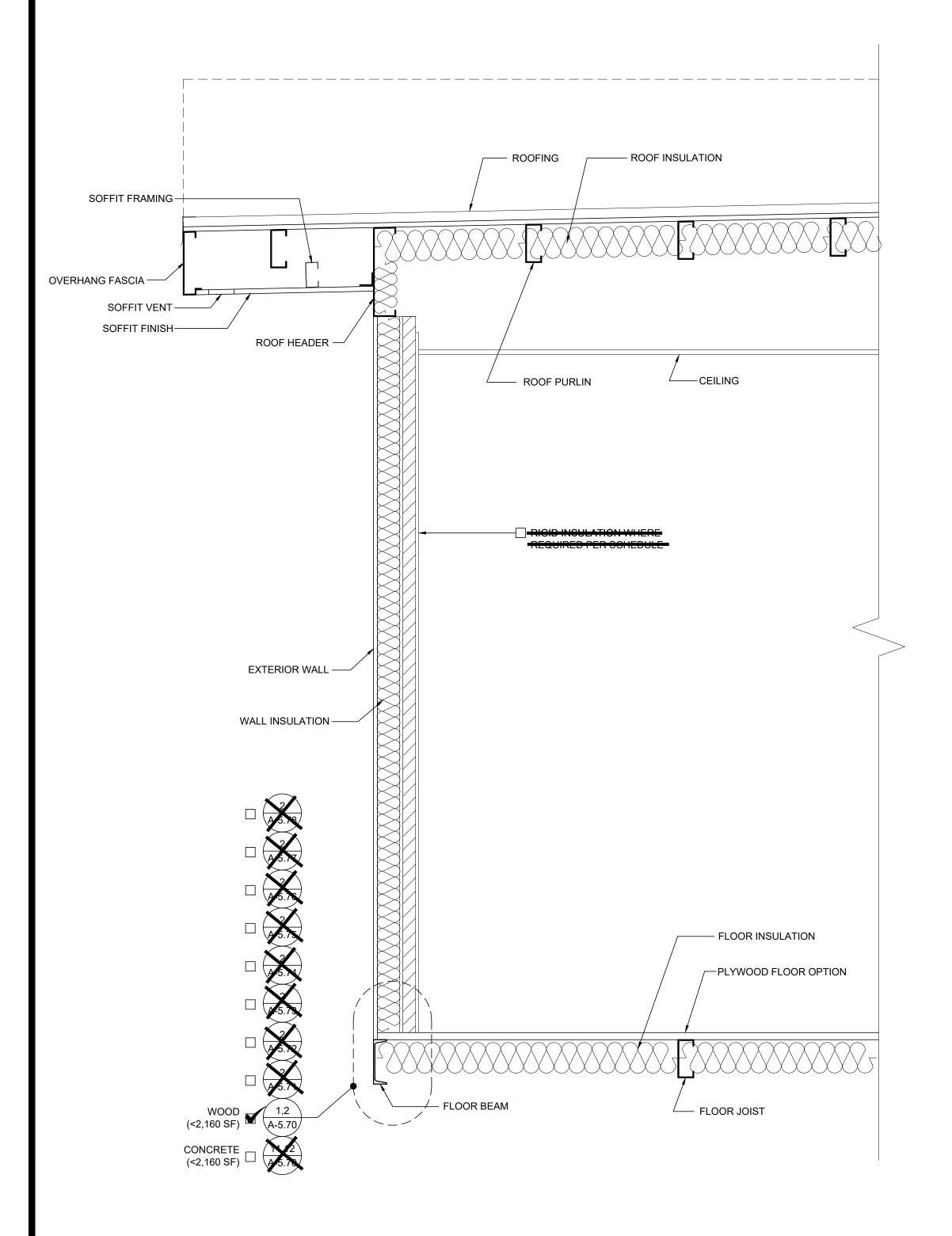




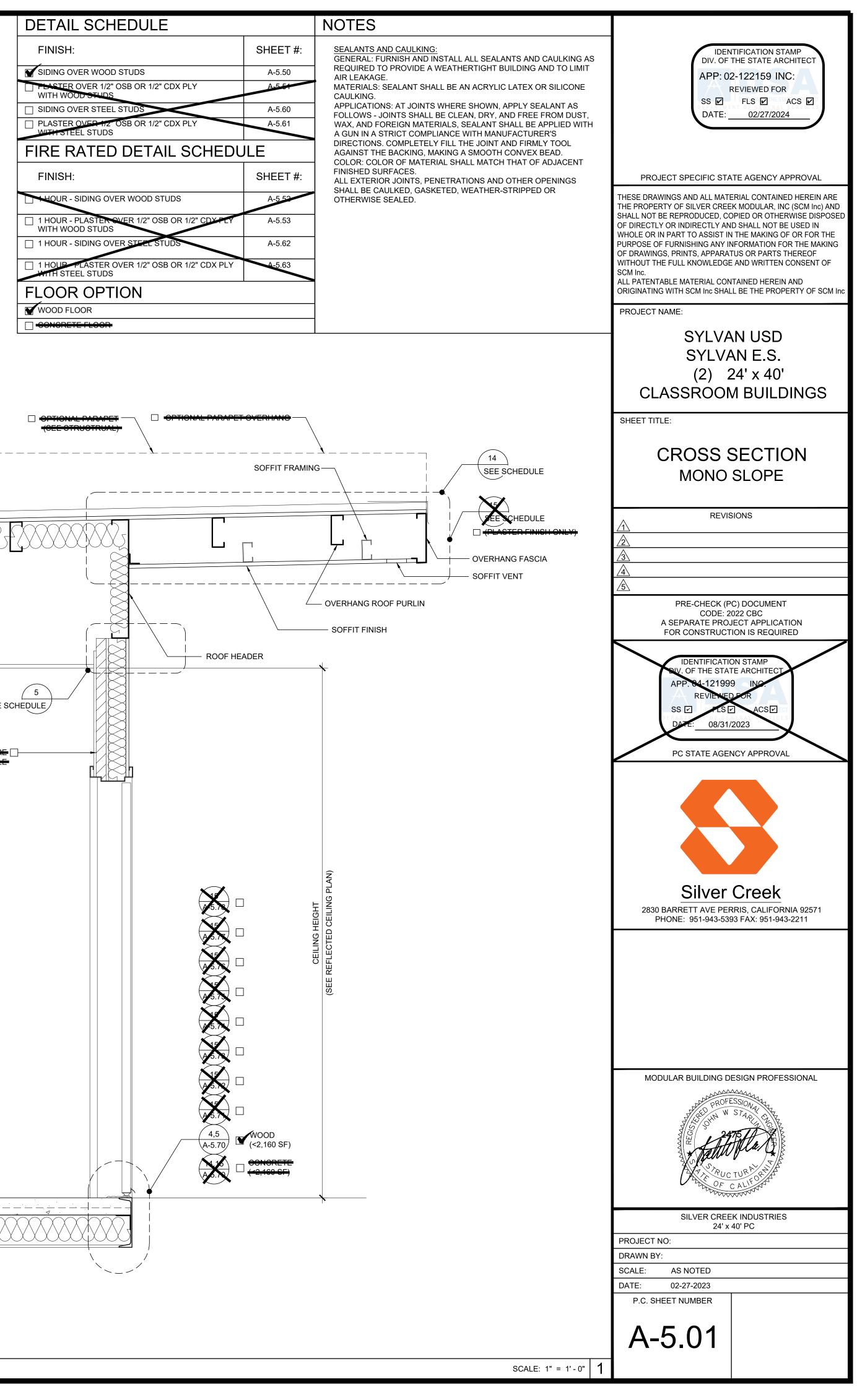


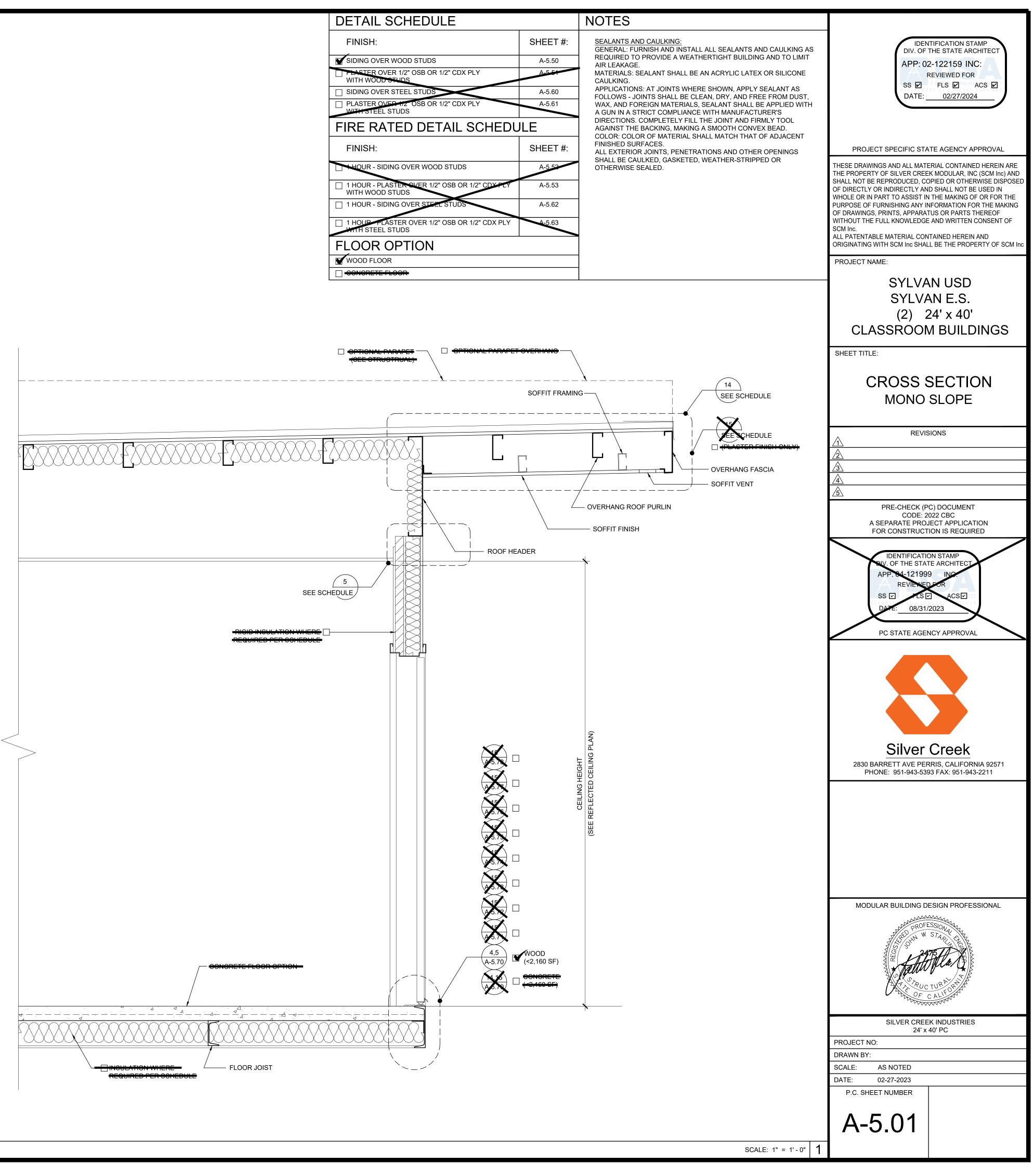


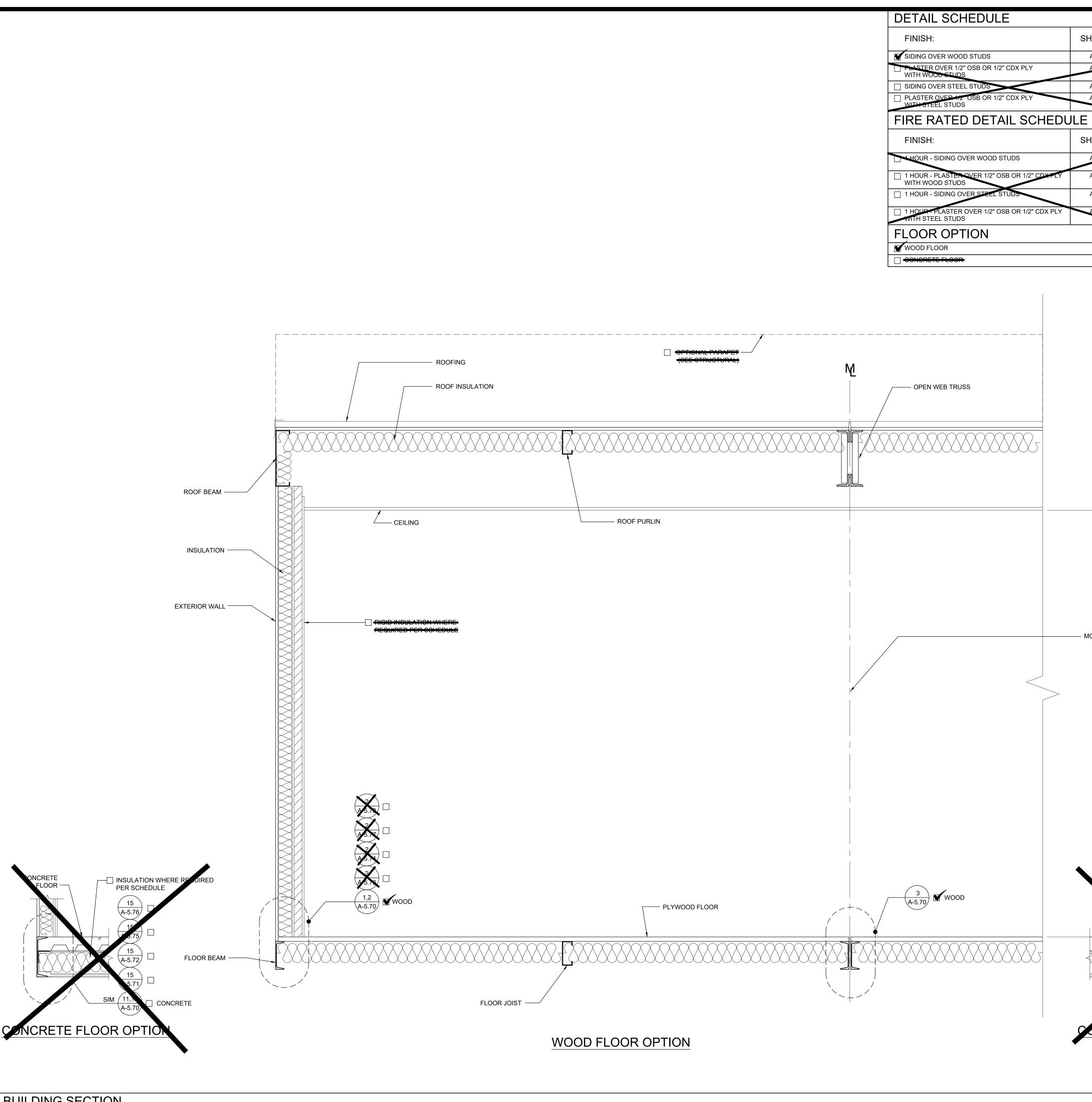




## **BUILDING SECTION**

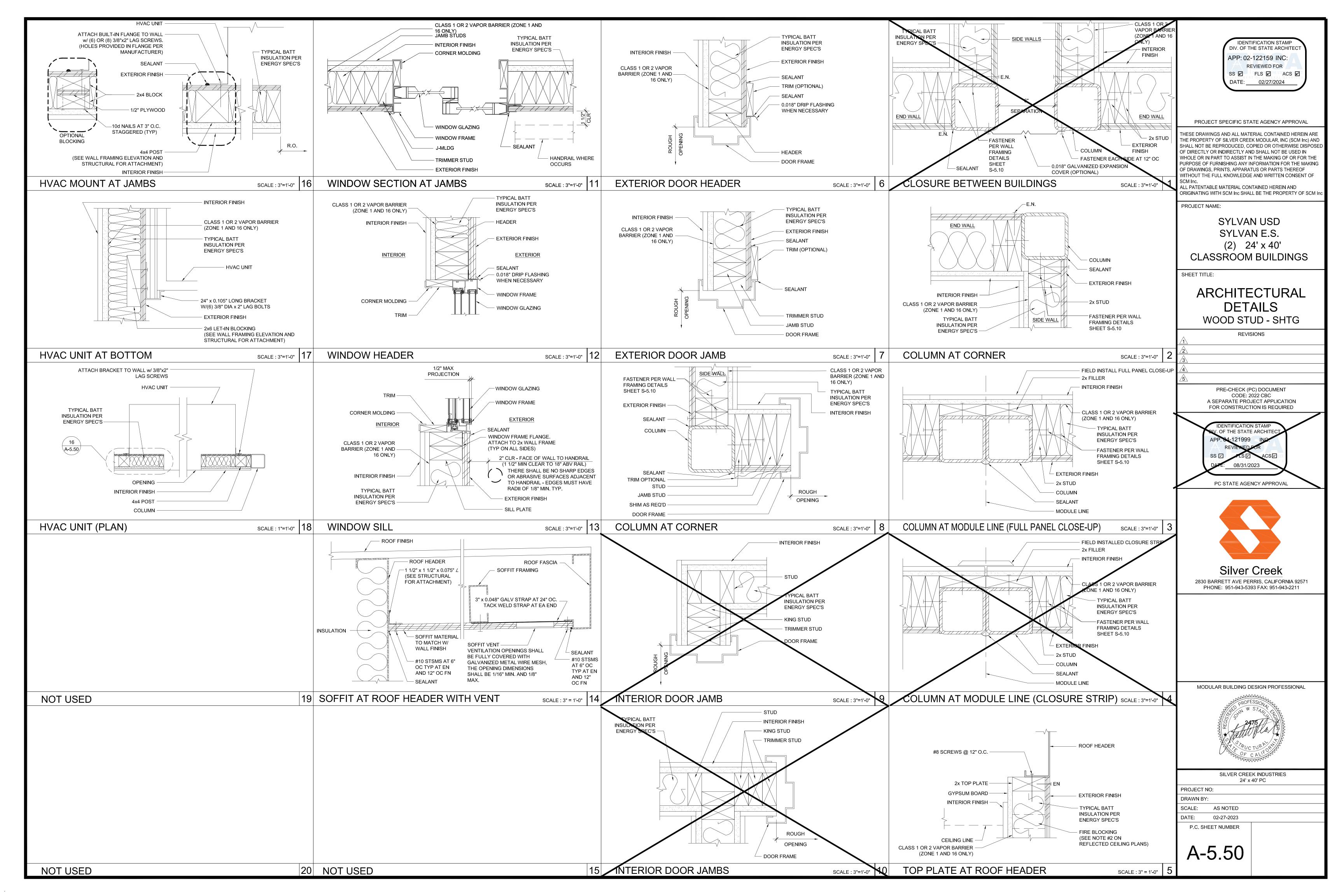


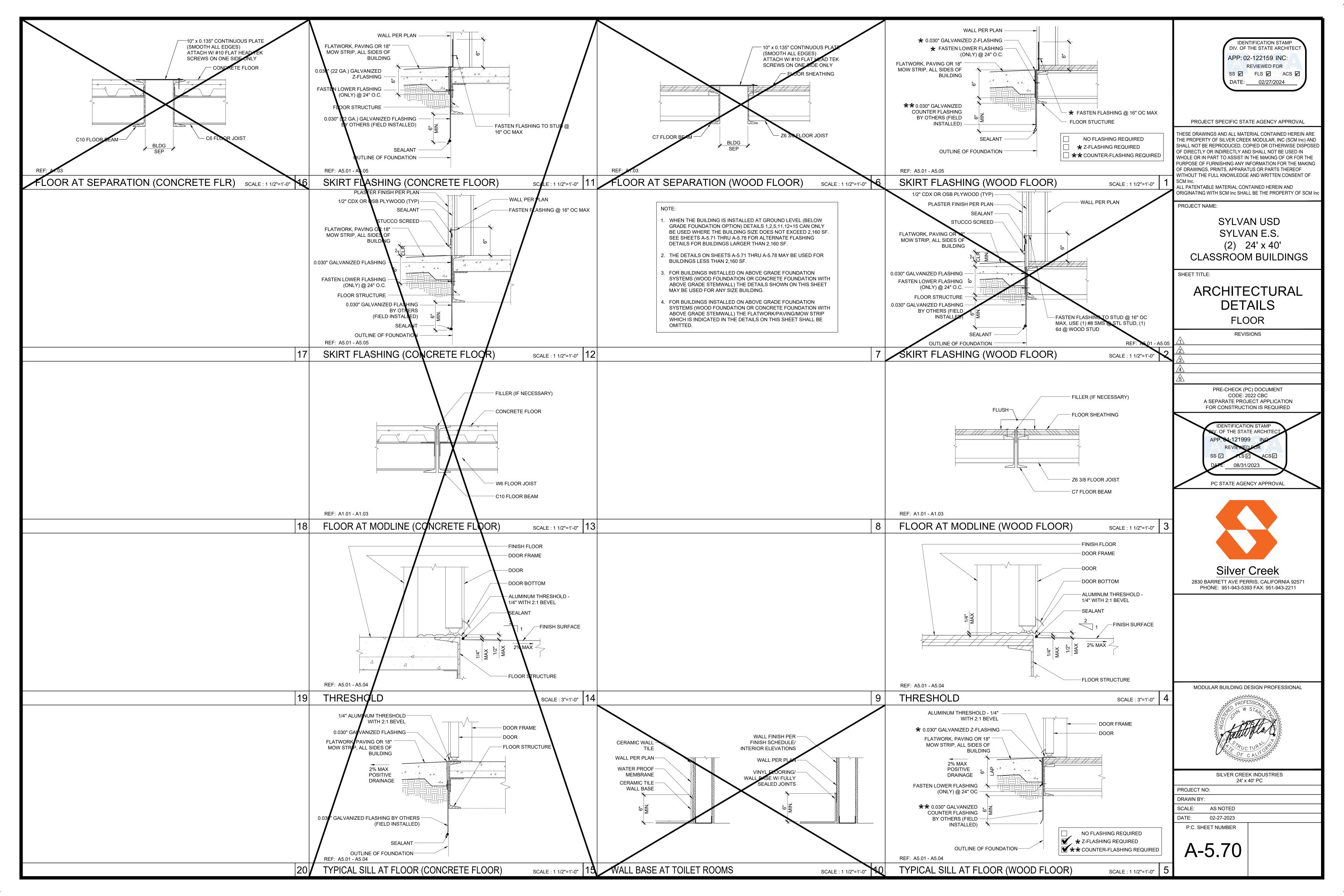


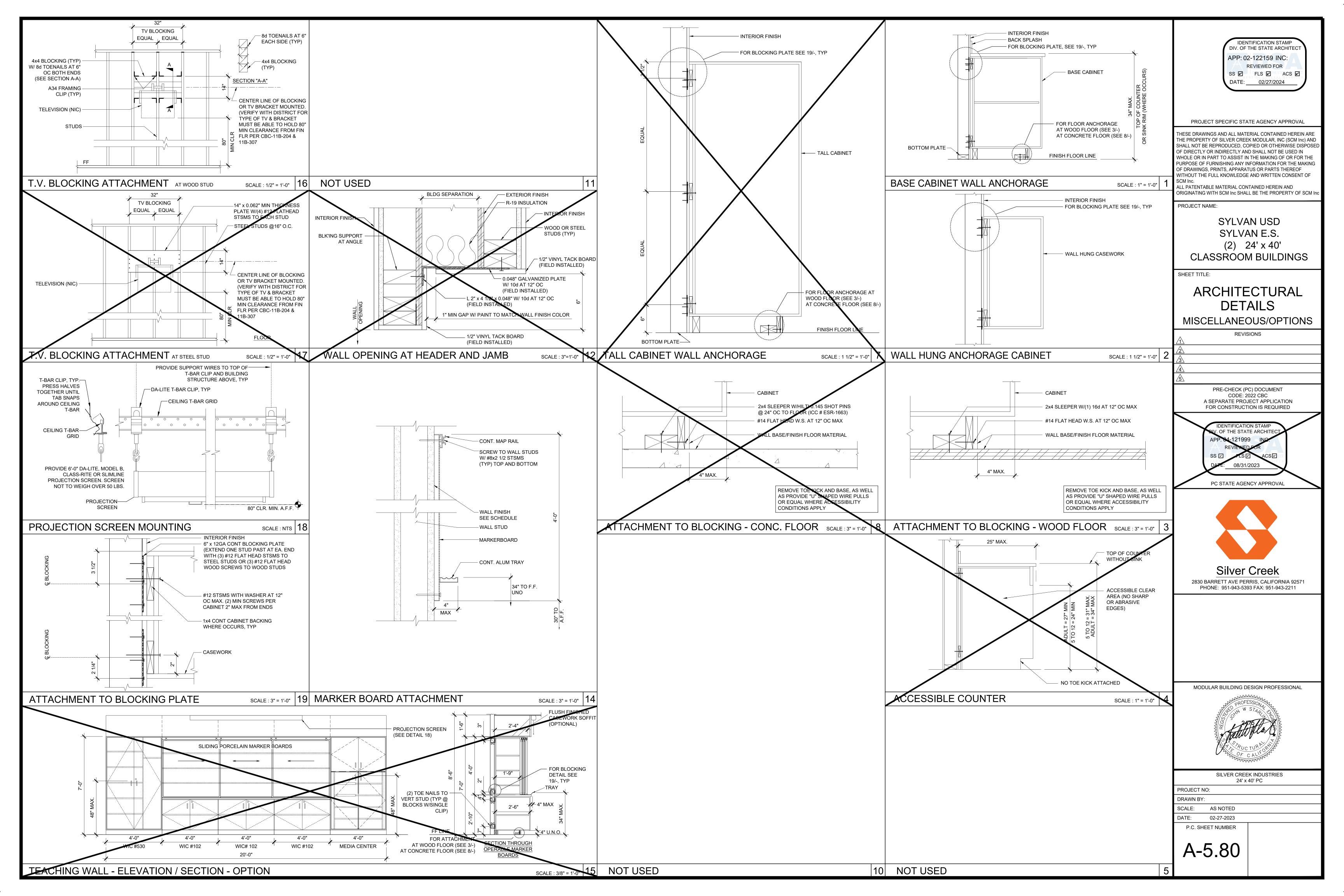


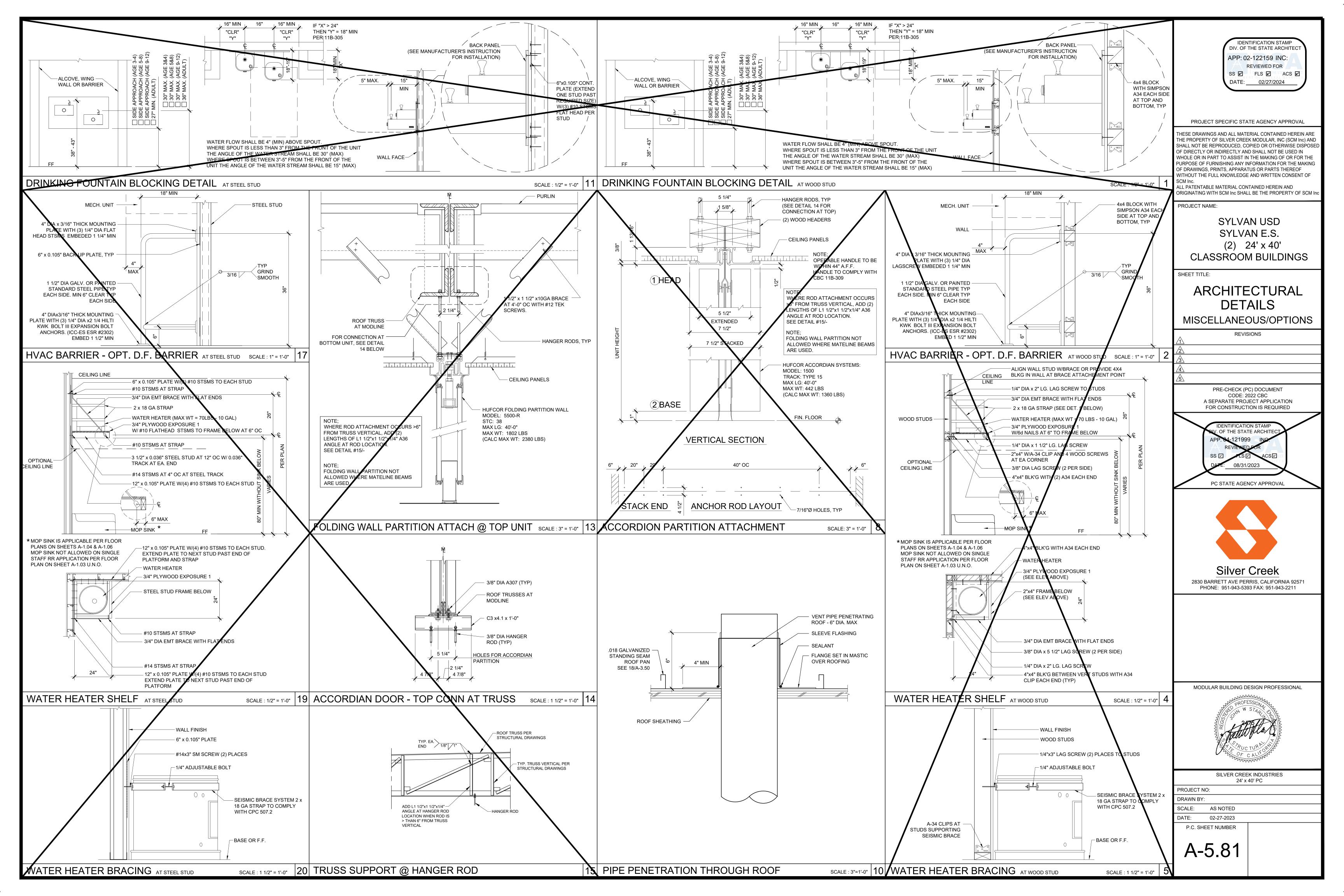
**BUILDING SECTION** 

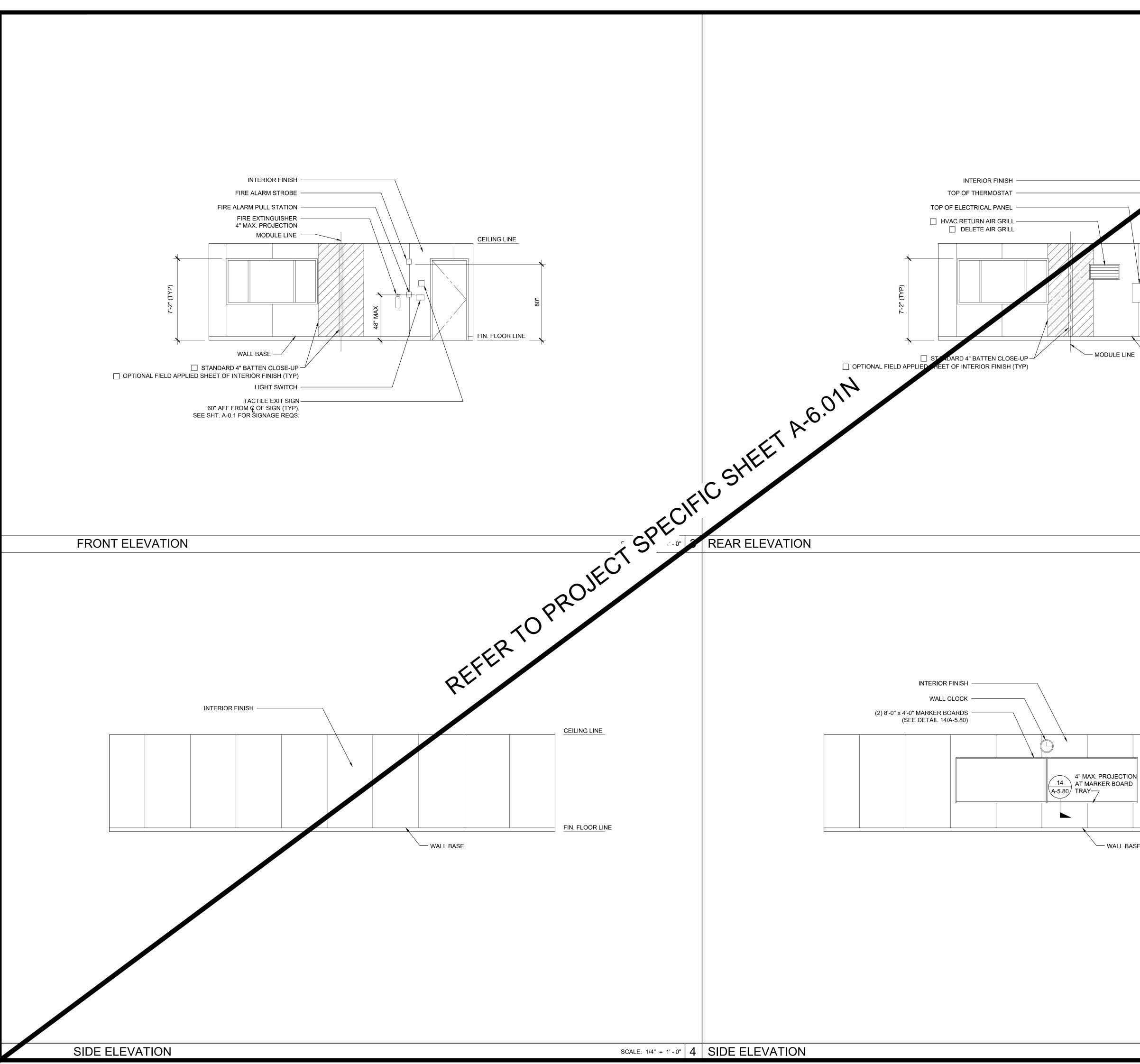
NOTES <u>SEALANTS AND CAULKING:</u> GENERAL: FURNISH AND INSTALL ALL SEALANTS AND CAULKING AS SHEET #: **IDENTIFICATION STAMP** DIV. OF THE STATE ARCHITECT REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING AND TO LIMIT A-5.50 APP: 02-122159 INC: AIR LEAKAGE. A-5-5 MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE **REVIEWED FOR** CAULKING. SS 🖌 FLS 🖌 ACS 🖌 APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS A-5.60 DATE: 02/27/2024 FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, A-5.61 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. SHEET #: PROJECT SPECIFIC STATE AGENCY APPROVAL ALL EXTERIOR JOINTS, PENETRATIONS AND OTHER OPENINGS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE A-5.52 OTHERWISE SEALED. THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED A-5.53 OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE A-5.62 PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF A-5.63 SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc PROJECT NAME: SYLVAN USD SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS SHEET TITLE: **CROSS SECTION** REVISIONS PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED IDENTIFICATION STAMP V. OF THE STATE ARCHITE -121999 SS 🗹 cs⊡ 08/31/2023 PC STATE AGENCY APPROVAL – MODULE LINE Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211 MODULAR BUILDING DESIGN PROFESSIONAL CONCRETE FLOOR 13 A-5.70 SILVER CREEK INDUSTRIES 24' x 40' PC - INSULATION WHERE REQUIRED PER SCHEDULE PROJECT NO: DRAWN BY: AS NOTED SCALE: NCRETE FLOOR OPTI DATE: 02-27-2023 P.C. SHEET NUMBER A-5.05 SCALE: 1" = 1'-0"



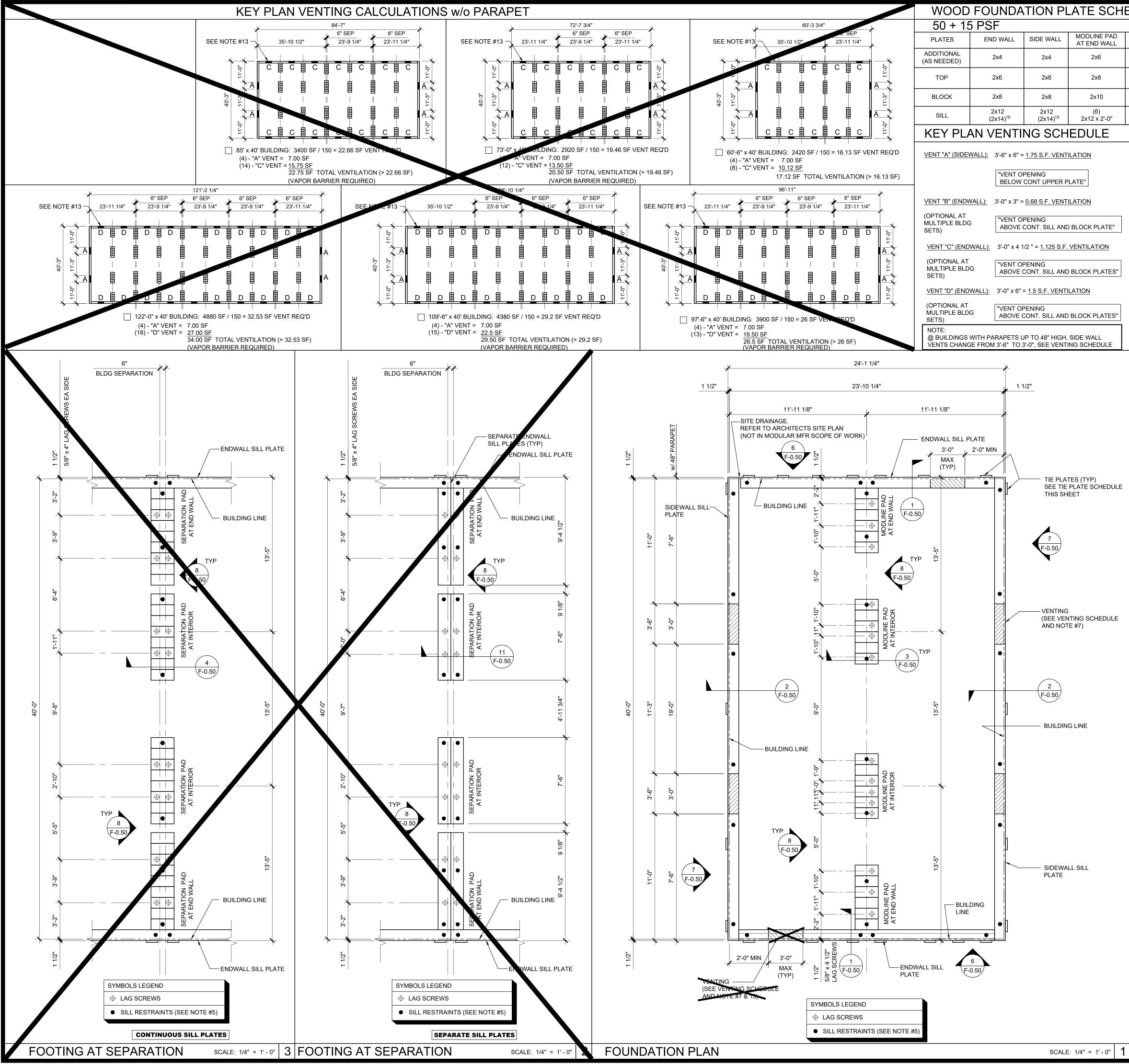




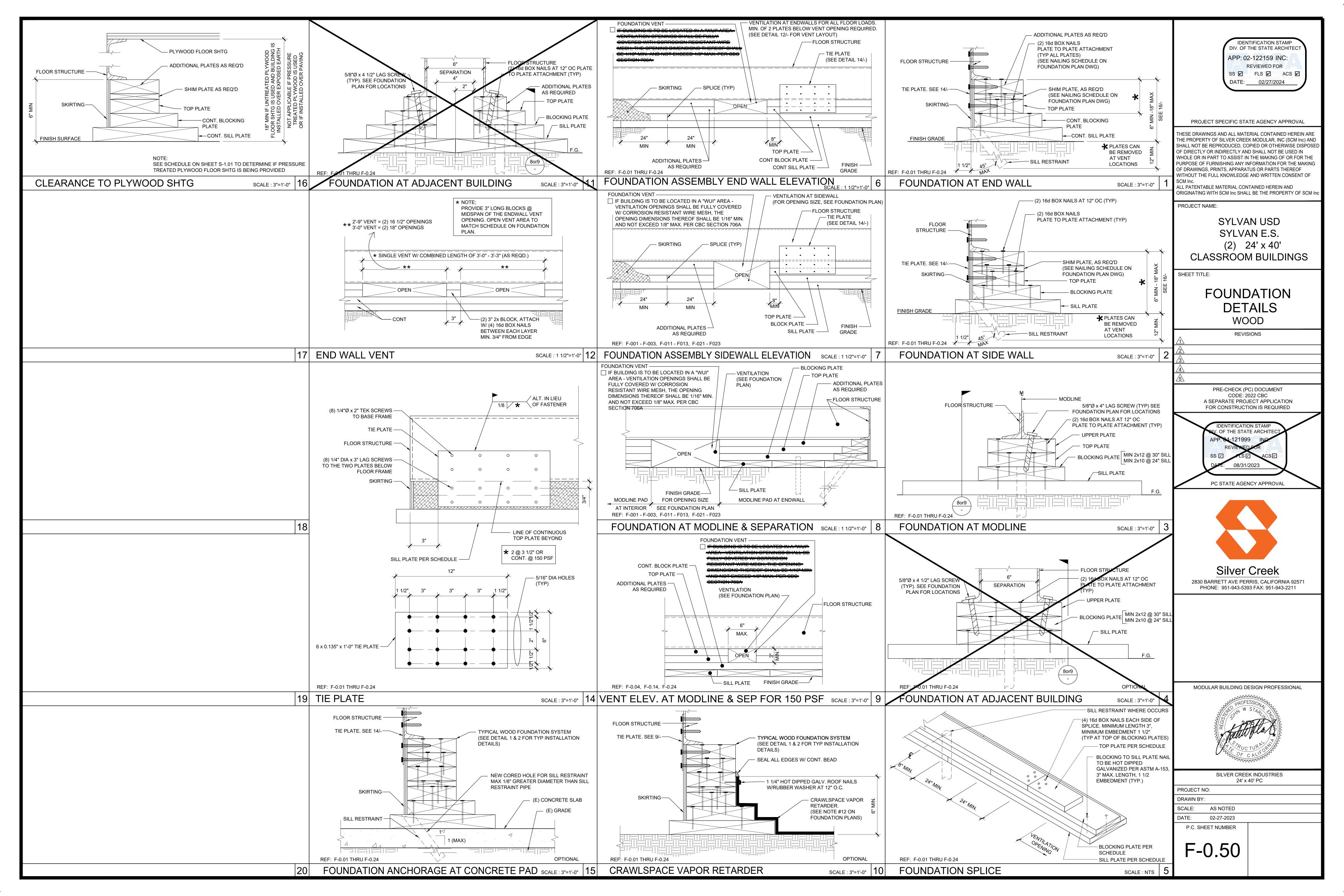




IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122159 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/27/2024 PROJECT SPECIFIC STATE AGENCY APPROVAL THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSE 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 CEILING LINE PROJECT NAME: SYLVAN USD SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS SHEET TITLE: FIN. FLOOR LINE INTERIOR ELEVATION - MODULE LINE WALL BASE 24' x 40' REVISIONS PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED IDENTIFICATION STAMP V. OF THE STATE ARCHITE 21999 SCALE: 1/4" = 1'-0" SS 🗹 S⊾ 08/31/2023 PC STATE AGENCY APPROVAL Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211 CEILING LINE FIN. FLOOR LINE MODULAR BUILDING DESIGN PROFESSIONAL - WALL BASE 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 SCALE: 1/4" = 1'-0" 2



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			T BE INSTALLED ON		CRETE	( <i>'</i> /
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Section	FLOOR PL/ SETTING M 3. FOUNDATI OF SCREE 4. WOOD SIL DIRECTLY SOIL UNDE PLATE MA	AN. ADDITIONAL LENG MULTIPLE MODULAR F ON VENTS THAT OCC NED VENT IN LANDING L (FOOTING) PLATES ON SOIL OR PAVED S ER THE ENTIRE AREA Y SUPPORT CONTINU	GTH ADDED FOR GF LOORS. UR UNDER RAMP L/ G SKIRT. SHALL BE PRESSUF URFACE. GRASS OI OF THE BUILDING E	ROWTH THAT IS EXPE ANDINGS, PROVIDE A RE TREATED HEM-FIR R TURF SHALL BE CLE Y OTHERS. THE WOO	RIENCED WHEN N EQUAL AREA AND MAY BEAR ARED TO BARE D SILL FOOTING	WOOD FOUNDATION PLAN 24x40 (50+15 PSF)
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Her Hous Each Common with the Meet Dimes and A Minimum 0: TWO PHE'S MORE DEPENDENT DIMES FOR PHETA STATEMENT IN COLUMN 2014     Concerting 2014       1     Status E Marking To Disa Roy Review and American Disatus E Marking To Disa Roy Review and American Biskall E Marking To Disa Roy Review and American Disatus E Marking To Disa Roy Review and American Biskall E Marking To Disa Roy Review and American Disatus E Marking To Disa Roy Review and American Biskall E Marking To Disa Roy Review and American Disatus Biskall E Disatus E Disatus E Disatus E Leader Disatus Biskall E Disatus E Disatus E Disatus E Disatus E Disatus E Disatus Disatus Biskall E Disatus E Disatus E Disatus E Disatus E Disatus Disatus E Marking Disatus E Disatus E Disatus E Disatus E Disatus E Disatus Disatus E Marking Disatus E Dis	WOULD IN HOT DIPPE	CORPORATE ONE-INC	CH DIAMETER STAN	DARD WEIGHT (1.315" METER SOLID STEEL I	ACTUAL O.D.) RODS SPACED	
<ul> <li>1. STAKED WOOD MEERERS TO REPORT OWNERS THE REATION OF THE PREAST ALSO STATES AND MOTIVATING AND MOTIVATION AND MOTI</li></ul>	FEET FRO PER DISCO CONCRET EQUIVALE	M EACH CORNER IN B ONTINUOUS FOUNDAT E, AND/OR PAVING A I NT DESIGNS, WHEN P	OTH DIRECTIONS A TONS STRIP. PIPES MINIMUM OF 12" ME ROVIDED WITH STF	ND A MINIMUM OF TW SHOULD PENETRATI ASURED VERTICALLY UCTURAL CALCULAT	/O PIPES / RODS E INTO SOIL, . ALTERNATE OR	CODE: 2022 CBC A SEPARATE PROJECT APPLICATION
<ul> <li>PINILITEN OPENNASS SIMULIE CONTREPORT FOR ETHER HEIGHT AND WITH AND WI</li></ul>	6. STACKED	WOOD MEMBERS FOR	R FOUNDATIONS AN	D PRESSURE TREATE	ED LUMBER	
CLICLATE DIVIDUES TO ADJUST AND ADDRESS ON CONCRETE PLOAD REPORTS PARTICLE AND BLOCK PLATE INST BE CONTINUOUS, VENT OPENNESS SHALLE BEADREW AND/OF THE BLOCK PLATE INST BE CONTINUOUS, VENT OPENNESS SHALLE BEADREW AND/OF THE BLOCK PLATE INST BE CONTINUOUS, VENT OPENNESS SHALLE BEADREW AND/OF THE BLOCK PLATE INST BE CONTINUOUS, VENT OPENNESS SHALLE BEADREW AND/OF THE BLOCK PLATE PENCES SECTION 1920-11.2  PENCES SECTION 1920-11.2  PENCES SECTION 1920-11.2  PENCES SHALLE DATA AND POLYTE THAN AND POLYTE THEY PENL PENCES SECTION 1920-11.2  PENCES SHALLE DATA AND POLYTE THAN AND POLYTE THEY PENL PENCES SECTION 1920-11.2  PENCES SHALLE DATA AND POLYTE THAN AND POLYTE THEY PENL PENCES SHALLE DATA AND POLYTE THAN AND POLYTE THAN AND POLYTE THANK AND POLY	7. VENTILATI CORROSIO EXCEEDIN	ION OPENINGS SHALL DN - RESISTANT WIRE IG 1/8" ACTING AS A VI	BE COVERED FOR MESH, WITH A CLE ERMIN BARRIER.	EITHER HEIGHT AND AR "THROUGH" DIMEI	ISION NOT	APP. 54-121999 INC. REVIEWED FOR SS I ILS ACS I
10. OP OTIONAL ENVIRUE VENTIONS SHALL BE BROKEN ABOVE THE BLOCK PLATE.         11. FOR FOUNDALTION SPLICE - SEE SF-0.50.         12. COMMUSION SPLICE - SEE SF-0.50.         13. COMMUSION FOR COMPARE TRADERS WHERE INDICATED; THE OPTIONAL TOTAL AREA OF VENTILITATION OPENNESS OF PREMITTED TO BE REDUCED THE OPTIONAL TOTAL AREA OF VENTILITATION OPENNESS OF PREMITTED TO BE REDUCED THE OPTIONAL TOTAL AREA OF VENTILITATION OPENNESS OF PREMITTED TO BE REDUCED THE OPTIONAL TOTAL AREA OF VENTILITATION OPENNESS OF PREMITTED TO BE REDUCED OVER SILL PLATE DEV LIESS, STATUT, AND POLICITIELLY NE FLIA WITH FARMAN ONE ENDWALL VENT PER 12/2 MODULE         10. SINGRET E LOOS LOSS INTO ALL DALL DECOMPONE TO AND POLICITIELY NE FLIA WITH ATTOON RECOMMENDATIONS.         11. SINGRET FLOOR LOSS INTO ALL DALL DECOMPONE POLICITIELY NE FLIA WITH AND MORE ENDWALL VENT PER 12/2 MODULE         12. SINGRET FLOOR LOSS INTO ALL DALL DECOMPONE POLICITIELY NE FLIA WITH AND MORE ENDWALL VENT PER 12/2 MODULE         13. SINGRET FLOOR LOSS INTO ALL DALL DECOMPONE FLOOR POLICIDATION OPTION FOR POUNDATION & ANCINCAGE DESIDANIL E. THERE IS NO CONCERTE FLOOR FOR MODO POUNDATION A ANCINCAGE DESIDANIL E. THERE IS NO CONCERTE FLOOR FOR MODO POUNDATION & ANCINCAGE DESIDANIL E. THERE IS NO CONCERTE FLOOR FOR MODO POUNDATION & ANCINCAGE DESIDANIL E. THERE IS NO CONCERTE FLOOR FOR MODO POUNDATION & ANCINCAGE DESIDANICAGE STATUS OF THE SUBJECT TO B. SITCE FLOOR LUEL COAD OPTION CANOT BE USED WITH THE SULCO WALL OR SITCE FLOOR LOSS INCLOED IN THE RESULCO WALL DALL DALL DOCK TO PATE BEDRETAL B. VINIS ARE ANALYMIC OF OR 12 LIDECKINO PLATE BEDRETAL B. VINIS ARE ANALIZING OF OR 12 DALL BEDRETATION BEDRETAL B. VINIS ARE ANALYMIC OF OR 12 DALL BEDRETATION BEDRETAL B. VINIS ARE ANALIZING OF OR 12 DALL BEDRETATION BEDRETAL B. VINIS ARE ANALIZING OF OR 12						
11. FOR FOUNDATION BRUEE. SEE 6F-0.63.         12. FOR FOUNDATION BRUEE ASE 6F-0.63.         13. FOR FOUNDATION BRUEE ASE 05-0.63.         14. FOR FOUNDATION BRUEE ASE 05-0.63.         15. FOR FOUNDATION BRUEE ASE 05-0.63.         16. FOR FOUNDATION BRUEE ASE 05-0.63.         17. FOR FOUNDATION BRUEE ASE 05-0.63.         18. STALL TION RECOMMENDATIONS.         18. STALL PLATE FOR TOTAL TO ALL PIERS AND OTHER PENETRATIONS.         18. STALL PLATE FOR TOTAL STALL STALL ALL JOINTS ATTACH VAPOR RETARGEMENT         19. STALL PLATE FOR TOTAL STALL SELECTATIONS.         19. STALL PLATE FOR TOTAL STALL SELECTATION AND OTHER PENETRATIONS.         19. STALL PLATE FOR TOTAL STALL SELECTATION AND OTHER PENETRATIONS.         19. STALL PLATE FOR TOTAL ALL ONTS AT THE MERCHANGE STACK.         19. STALL PLATE FLOOR LOAD CHARGE DESIGN.         10. FOR ARAMENTAND OF STALL SELECTATION AND OTHER PENETRATIONS.         10. STALL SENDER TOTAL STALL SELECTATION PERMISSION CONCERNER         10. STALL SENDER TOTAL STALL SENDER TOTAL AND OTHER PENETRATIONS.         11. STALL PLATE MOUNDE FOUNDATION STILE INNUME CONCERNER FLOOR FOR MOUND GOTTON CANNOT BE USED WITH THE STULCE VALL OF TOTAL VENTION STALL SENDERATION.         11. STALL SEA ADAXIMM OF CONCERNER TEADOR FOR MOUND SET TOTAL VENTION STALL SENDERATION.         12. STALL SEA ADAXIMAND OF CONCERNER TEADOR WITH THE STULCE VALL OF TOTAL VENTION CONCERNER TEADOR WITH SET AND AND TOTAL VENTION SECONCERNER TEADOR FOR TOTAL VENTION SECONCERNER TEAD	10. IF OPTION	AL ENDWALL VENTS	ARE APPLIED, SILL I	PLATE AND BLOCK PI	ATE MUST BE	PC STATE AGENCY APPROVAL
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 19" SILL PLATE            @ EXTERIOR OF BUILDING.        16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTION.             YENTS ATE ADDULNE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:         A VENTS ARE A MAXIMUM OF 2'S LIL BLOCKING PLATES BENEATH.         B. VENTS ARE A MAXIMUM OF 2'S ULL BLOCKING PLATES BENEATH.         B. VENTS ARE A MAXIMUM OF 2'S ULL BLOCKING PLATES BENEATH.         B. VENTS ARE A MAXIMUM OF 2'S ULL BLOCKING PLATES BENEATH.         B. VENTS ARE A MAXIMUM OF 2'S ULL BLOCKING PLATES BENEATH.         B. VENTS ARE A MAXIMUM OF 2'S ULL BLOCKING PLATES BENEATH.         B. VENTS ARE A MAXIMUM OF 2'S ULL BLOCKING PLATES BENEATH.         B. VENTS ARE A MAXIMUM OF 3'O' DAPAT THE GLODE TO DEDEJ AND 24" MIN. FROM         CORNERS.             18. WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE         STEBACK ATAT THE BOTTOM OF THE SLOPE THE STEPACK AT THE         SOLOPE. THE SUMELER OF 15-0" OR 112" THE HEIGHT OF THE SLOPE SHALL BE NOT LESS         THAN THE SMALLER OF 15-0" OR 112" HE IGHT OF THE SLOPE SHALL BE NOT LESS         THAN THE SMALLER OF 15-0" OR 13 THE HEIGHT OF THE SLOPE.             BUILDING SIZE          (2) 104 DOX NALLS         PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE         S'O CO AT ENDWALL - 1 / F-0.50         10" OC AT SEPARATION - 4 / F-0.50	11. FOR FOUN 12. CRAWLSP THE OPTIO TO 1/1500 PER CBC 3 MATERIAL GROUND HAVE A PE (≥ 6 MIL); F INSTALLA OVERLAP OVER SILI 13. ENDWALL MAXIMUM	NDATION SPLICE - SEE PACE VAPOR RETARDE ONAL TOTAL AREA OF FACTOR WITH AN AP SECTION 1202.4.1.2. <u>SS</u> SURFACE COVERED V ERM RATING OF ONE POOL LINER (PUNCTU <u>TION RECOMMENDAT</u> JOINTS BY 6 INCHES; L PLATE PER 10/F0.50; VENTS (IF REQ'D) SH	E 5/F-0.50. ERS (WHERE INDIC VENTILATION OPE PROVED VAPOR RE OR LESS; SHOULD F RE RESISTANT); AN <u>IONS:</u> TAPE OR SEAL ALL SEAL TO ALL PIERS ALL BE LOCATED A PER 12'-0" MODULE	ATED): NINGS IS PERMITTED TARDER MATERIAL VAPOR RETARDER M BE CONTINUOUS; POL D POLYETHELYNE FIL JOINTS; ATTACH VAF S AND OTHER PENETH MIN OF 24" FROM BUI	TO BE REDUCED MATERIAL; MUST YETHELYNE FILM M WITH RAT SLAB. POR RETARDER RATIONS. LDING CORNERS.	2830 BARRETT AVE PERRIS, CALIFORNIA 92571
@ EXTERIOR OF BUILDING.         16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTION.         17. VENTS AT MODULINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS: A. VENTS ARE A MAXIMUM OF 6'0' LONG X'' MIN. HIGH.         B. VENTS ARE A MAXIMUM OF 6'0' LONG X'' 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 ECOMPLY WITH CGS SECTION 1096A.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE. THE MINIMUM SETBACK AT THE DOPOF THE SLOPE THE MINIMUM SETBACK AT THE DETECTION OF 15'-0' OR 1/2 THE HEIGHT OF THE SLOPE. THE STERACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.         NAILLING SCHEDULE       20' CA TENDWALL - 1 /F-0.50 10' CO CA TESPARTION - 4 /F-0.50       SILVER CREEK INDUSTRIES 24' x 40' PC         WOO       VENTING SCHEDULE       SILVER CREEK INDUSTRIES 24' x 40' PC       SILVER CREEK INDUSTRIES 24' x 40' PC         WOO       VENTING VENTING VENTING VENTING VENTING SUPPLIED       SILVER CREEK INDUSTRIES 24' x 40' PC       SILVER CREEK INDUSTRIES 24' x 40' PC         WOO       VENTING VENTING VENTING VENTING VENTING SUPPLIED       TOTAL VENTING SUPPLIED       SILVER CREEK INDUSTRIES 24' x 40' PC         PARAPET 24' x 40' 900 SF       64 SF       3''''''''''''''''''''''''''''''''''''	FOUNDAT FOUNDAT	ION & ANCHORAGE DI ION OPTION. THERE IS	ESIGN, I.E. THERE IS S CONCRETE FLOO	S NO CONCRETE FLO R FOR CONCRETE FC	OR FOR WOOD UNDATION OPTION	
DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED. NAILING SCHEDULE BUILDING SIZE PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE 24' x 40' COC AT SIDEWALL - 1 / F-0.50 VENTING SCHEDULE BUILDING BUILDING BUILDING REQ. SIDE AREA VENTING VEN	@ EXTERI 16. 150 PSF F PARAPET 17. VENTS AT A. VENTS B. VENTS C. VENTS CORNERS 18. WHERE TH SETBACK TOP OF TH THE SLOP	IOR OF BUILDING. LOOR LIVE LOAD OPT OPTION. MODLINE FOUNDATION HAVE A MINIMUM OF 3 ARE A MAXIMUM OF 6 ARE SPACED A MINIM ARE SPACED A MINIM HE BUILDING OCCURS SHALL COMPLY WITH HE SLOPE SHALL BE N 2. THE MINIMUM SET	ION CANNOT BE US DNS. THE MINIMUM 2 SILL /BLOCKING P '-0" LONG x 3" MIN. I UM OF 8'-0" APART ON OR ADJACENT CBC SECTION 1808 IOT LESS THAN SM/ BACK AT THE BOTT	ED WITH THE STUCC CRITERIA REQUIREM LATES BENEATH. HIGH. (EDGE TO EDGE) ANE TO A SLOPE (GREATE A.7. THE MINIMUM SE ALLER OF 40'-0" OR 1/3 OM OF THE SLOPE SH	D WALL OR ENT AS FOLLOWS: 24" MIN. FROM R THAN 33%) THE TBACK AT THE THE HEIGHT OF ALL BE NOT LESS	
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 10" OC AT SEPARATION - 4 / F-0.50         VENTING SCHEDULE       SILVER CREEK INDUSTRIES 24' x 40'         BUILDING BUILDING SIZE       REQ. VENTING       VENTING VENTING       TOTAL VENTING VENTING         W/O PARAPET       24' x 40'       960 SF       6.4 SF (1/150)       3'.6" x 6" = (1/150)       7.0 SF         W/ PARAPET       24' x 40'       960 SF       6.4 SF (1/150)       3'.0" x 6" = (4) 1.5       7.5 SF TOTAL VENTING       DRAWN BY: SCALE:       SCALE:       AS NOTED         W/ PARAPET       24' x 40'       960 SF       6.4 SF (1/150)       3'.0" x 6" = (4) 1.5       7.5 SF TOTAL VENTING       DRAWN BY:         SCALE:       AS NOTED       DATE:       02-27-2023       SCALE:       AS NOTED         DATE:       02-27-2023       P.C. SHEET NUMBER       P.C. SHEET NUMBER       F-0.002	DISTANCE	S INDICATED HERE M				PROFESSION W STAR
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 10" OC AT SEPARATION - 4 / F-0.50         VENTING SCHEDULE       SILVER CREEK INDUSTRIES 24' x 40'         BUILDING BUILDING SIZE       REQ. VENTING       VENTING         W/O PARAPET       24' x 40'       960 SF         6.4 SF       3'-6" x 6" = (H100)       -         W/O PARAPET       24' x 40'       960 SF         960 SF       6.4 SF       3'-0" x 6" = (4) 1.5       7.5 SF         W/O PARAPET       24' x 40'       960 SF       6.4 SF       3'-0" x 6" = (4) 1.5       7.5 SF         W/V PARAPET       24' x 40'       960 SF       6.4 SF       10' TAL SF/EA       7.5 SF         W/V PARAPET       24' x 40'       960 SF       6.4 SF       10' TAL SF/EA       7.5 SF         W/V PARAPET       24' x 40'       960 SF       6.4 SF       10' TAL SF/EA (3' S SE TOTAL)       SEE NOTE #8         DATE:       02-27-2023       DATE:       02-27-2023       P.C. SHEET NUMBER         BUILDING SIZE       SIDE WALL TIE PLATES       TOTAL NUMBER OF TIE PLATES       F-0.02		NAI	LING SCH	EDULE		2475.14 X
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 BUILDING SIZE       SIDE         BUILDING BUILDING SIZE       SIDE         END SIZE       SIDE         BUILDING BUILDING SIZE       SIDE         END SIZE       SIDE         SIZE       AREA VENTING         VENTING       VENTING         VENTING       VENTING         SIZE       AREA VENTING         VENTING       VENTING         VIO       960 SF         64.4 SF       3'.0" x 0" = (4) 1.5         3'.0" x 0" = (4) 1.5       3'.0" x 0" = (2) 1.5         SEE NOTE #8       DATE:         DATE:       02-27-2023         P.C. SHEET NUMBER       P.C. SHEET NUMBER         BUILDING SIZE       SIDE WALL TIE PLATES       TOTAL NUMBER OF TIE PLATES	BUILDING SIZ	7E	(2) 16d	BOX NAILS	OST PLATE	A Controllar A
VENTING SCHEDULE         BUILDING BUILDING SIZE       REQ. VENTING       SIDE       END       TOTAL VENTING       SILVER CREEK INDUSTRIES         W/O       SIZE       AREA       VENTING       VENTING       TOTAL VENTING       PROJECT NO:         W/O       24' x 40'       960 SF       6.4 SF       3'-6" x 6" =       7.0 SF       DRAWN BY:         W/O       24' x 40'       960 SF       6.4 SF       3'-0" x 6" = (4) 1.5       3'.0" x 2" - (2) 1.5       7.5 SF         W/       24' x 40'       960 SF       6.4 SF       3'-0" x 6" = (4) 1.5       3'.0" x 2" - (2) 1.5       7.5 SF         W/       24' x 40'       960 SF       6.4 SF       3'-0" x 6" = (4) 1.5       3'.0" x 2" - (2) 1.5       7.5 SF         W/       24' x 40'       960 SF       6.4 SF       3'-0" x 6" = (4) 1.5       3'.0" x 2" - (2) 1.5       7.5 SF         W/       24' x 40'       960 SF       6.4 SF       3'-0" x 6" = (4) 1.5       3'.0" x 2" - (2) 1.5       7.5 SF         W/       24' x 40'       960 SF       6.4 SF       10.5 F/EA (6 SF TOTAL SF/EA (.75 SE TOTAL) SEE NOTE #8       DATE:       02-27-2023         DATE:       02-27-2023       P.C. SHEET NUMBER       P.C. SHEET NUMBER       F-0.02         BUILDING SIZE	24' x 40'		5" OC AT ENDWA 12" OC AT SIDEW	LL - 1 / F-0.50 /ALL - 2 / F-0.50		OF CALIFORN
BUILDING     BUILDING     REQ.     SIDE     END     TOTAL VENTING       VENT     VENTING     VENTING     VENTING     VENTING     SUPPLIED       W/O     PARAPET     24' x 40'     960 SF     6.4 SF     3'-6" x 6" =     -     7.0 SF       W/     PARAPET     24' x 40'     960 SF     6.4 SF     3'-0" x 6" = (4) 1.5     3'-0" x 2" (2) 1.5     7.5 SF       W/     PARAPET     24' x 40'     960 SF     6.4 SF     3'-0" x 6" = (4) 1.5     3'-0" x 2" (2) 1.5     7.5 SF       W/     PARAPET     24' x 40'     960 SF     6.4 SF     3'-0" x 6" = (4) 1.5     3'-0" x 2" (2) 1.5     7.5 SF       DATE:     02-27-2023     DATE:     02-27-2023       DATE:     02-27-2023     P.C. SHEET NUMBER       BUILDING SIZE     SIDE WALL TIE PLATES     END WALL TIE PLATES     TOTAL NUMBER OF TIE PLATES						- MANANAN .
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       DRAWN BY:         W/ PARAPET       24' x 40'       960 SF       6.4 SE (1/150)       3'-0" x 6" = (4) 1.5 SF/EA (6 SF TOTAL SF/EA (7.75 SF TOTAL)       7.5 SF SEE NOTE #8       SCALE:       AS NOTED         W/ PARAPET       24' x 40'       960 SF       6.4 SE (1/150)       3'-0" x 6" = (4) 1.5 SF/EA (6 SF TOTAL SF/EA (7.75 SE TOTAL)       7.5 SF SEE NOTE #8       SCALE:       AS NOTED         DATE:       02-27-2023       DATE:       02-27-2023       DATE:       02-27-2023         BUILDING SIZE       SIDE WALL TIE PLATES       END WALL TIE PLATES       TOTAL NUMBER OF TIE PLATES       F-O.02		ING BUILDING REQ.	SIDE	END		24' x 40' PC
W/ PARAPET       24' x 40'       960 SF       3'-0" x 6" = (4) 1.5       3'-0" x 2" - (2) 1.5       7.5 SF       SCALE:       AS NOTED         TIE PLATE SCHEDULE         BUILDING SIZE       SIDE WALL TIE PLATES       END WALL TIE PLATES       TOTAL NUMBER OF TIE PLATES       P.C. SHEET NUMBER	W/O 24' x	40' 060 SE 6.4 SF	- 3'-6" x 6" =	-		
TIE PLATE SCHEDULE       P.C. SHEET NUMBER         BUILDING SIZE       SIDE WALL TIE PLATES       END WALL TIE PLATES       TOTAL NUMBER OF TIE PLATES       F-0.02	W/ 24' x	40' 060 SE 64 SE	<u>3'-0" x 6" = (4) 1.</u>			
building size side wall he plates end wall he plates of tie plates <b>F-0.02</b>		TIE	PLATE SC	HEDULE		P.C. SHEET NUMBER
24' x 40' 4 7 22	BUILDING SI	IZE SIDE WALL T	IE PLATES END W			
	24' x 40'	4		7	22	
				<b>i</b>		



# 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.
- 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

### REINFORCING STEEL

1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 60.

TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

- 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.		RAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM CO	VERAGE WIT
	CONCRETE:		AMOUNT
		FORMED EARTH	2
		CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EART	FH 3"
		WALL-EXPOSED FACE	
		#5 OR SMALLER	2"
		#6 OR LARGER	2"
		WALL-UNEXPOSED FACE	3/4"
5.	HOOKS SHALL B	E 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.

ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307 STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

ELEMENTS CONTINUOUS INSPECTION: PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION to top plate or other framing below IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT METALS, STRUCTURAL, AND MISC. STEEL plate, to rafter or truss CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS. at blocking to truss and web filler STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS Ceiling joists to top plate 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: Table 2308.7.3.1) ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. see Section 2308.7.3.1. Table 2308.7.3.1) 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 Collar tie to rafter SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY Rafter or roof truss to top plate (See Section SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE 2308.7.5. Table 2308.7.5) BOLTED OR WELDED AS SHOWN ON THE DRAWINGS. SHOP PAINT: rafter to 2-inch ridge beam a) FLOOR AND ROOF DECK WELDING. \* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER. \* NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER. b) WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS. \* ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. c) WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS Stud to stud (not at braced wall panels) WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME. POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO d) SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16". STRUCTURAL STEEL: . Stud to stud and abutting studs at intersecting all corners (at braced wall panels) 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 0. Built-up header (2" to 2" header) OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA. . Continuous header to stud WOOD ROUGH CARPENTRY: 2. Top plate to top plate 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 . Top plate to top plate, at end joints 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 4. Bottom plate to joist, rim joist, band joist or THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES. ocking (not at braced wall panels) DESCRIPTION OF WORK . Bottom plate to joist, rim joist, band joist or THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND E71T-11 FOR METAL DECKING king at braced wall panels FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN. STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE 6. Stud to top or bottom plate WORKMANSHI 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. 3. 1" brace to each stud and plate 3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1 9. 1" × 6" sheathing to each bearing 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. . Joist to sill, top plate, or girder FLOOR DIAPHRAGM r other framing below 1 1/8" PLYWOOD - STURD-I-FLOOR 3. 1" × 6" subfloor or less to each joist EXTERIOR - TONGUE AND GROOVE EDGES 4. 2" subfloor to joist or girder SPAN RATING: 48" . 2" planks (plank & beam — floor & roof) 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. 0.128 @ 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 ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3. "STRUCTURAL WELDING CODE - SHEET STEEL EDGES 12" O.C. INTERMEDIATE. ALL EDGES OF ALL PANELS SHALL BE ATTACHED TO FRAMING MEMBERS OR BLOCKING. WHERE USED AS 27. Ledger strip supporting joists or rafters 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. 28. Joist to band joist or rim joist 29. Bridging or blocking to joist, rafter or truss CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR STRENGTH: 3000 PSI MIN TYPE: I OR II ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 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 30 3/8" - 1/2" SCREWS AT 24" O.C. REFERENCE STANDARDS NOTES: 1. 19/32" — 3/4" 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. 2. 7/8" — 11/4" 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) 33. 1/2" fiberboard sheathing<sup>b</sup> 1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED. BOTTOM BOARD FOR MOISTURE PROTECTION 34. 25/32" fiberboard sheathing<sup>b</sup> 2. PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT APPROVAL FROM DSA 5. 3/4" and less 3. EXTERIOR WALL SIDING: 6. 7/8" — 1" i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE 7. 11/8" — 11/4" ii. OPTIONAL: 5/8" MDO STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. 38. 1/2" or less 4. EXTERIOR WALL SIDING ATTACHMENT: FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED 39. 5/8" CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED COPPER PER CBC SECTION 2304.10.1.1 BY SECTION 4-338, PART 1, TITLE 24, CCR. 40. 1/4" 41. 3/8" -ootnotes 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

BOLTS: 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. 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 COLD-FORMED STEEL FRAMING 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 LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H 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. (b) CJP GROOVE WELD NDT 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. 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).

0	R GREATER: ASTM A	-1011/A GRADE 50
	SHEET STEEL DESIGNATION	MINIMUM DELIVERED THICKNESS
	(GAUGE)	(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

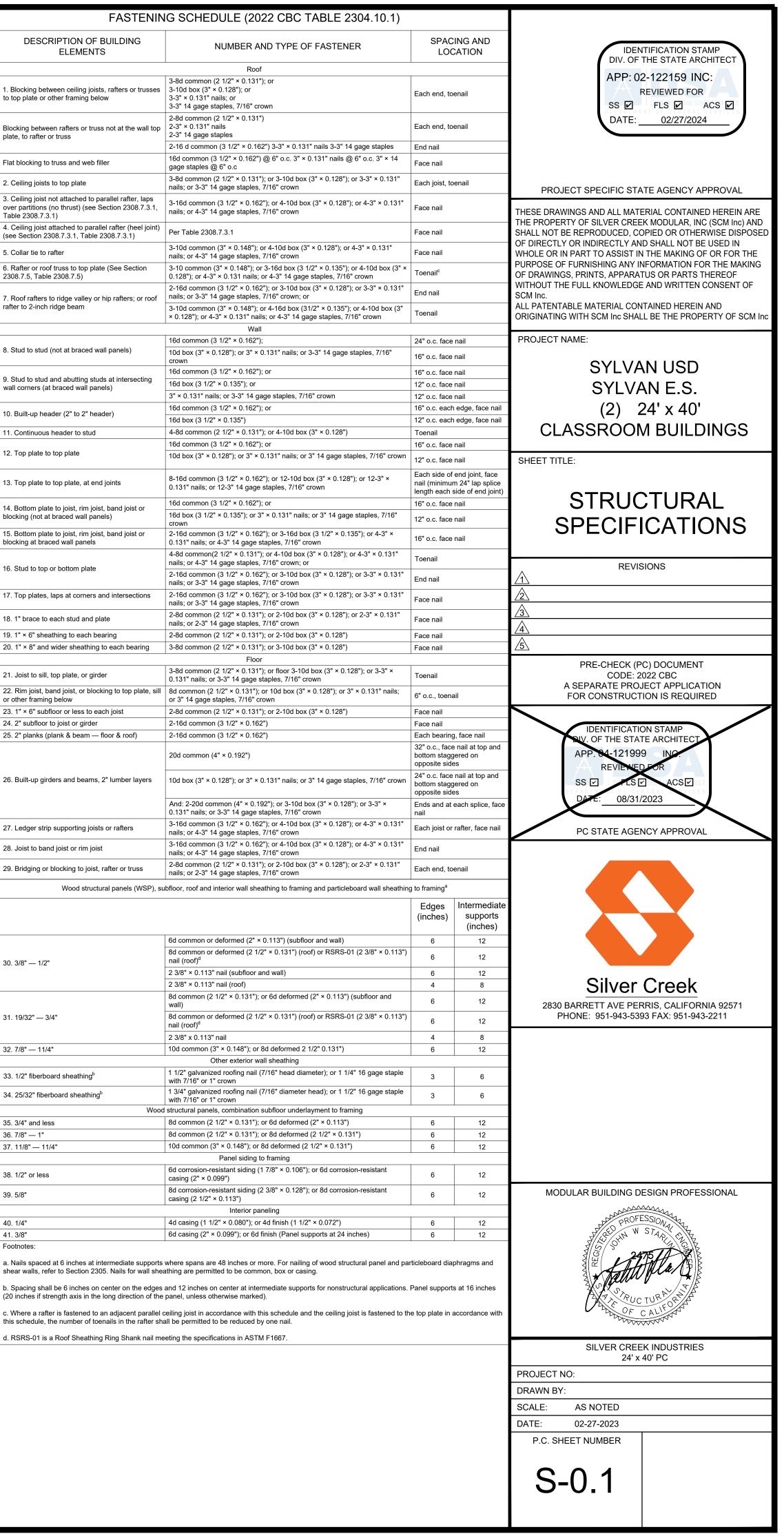
- DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138,
- OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA. 3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR
- COPPER PER CBC 2304.10.5.1

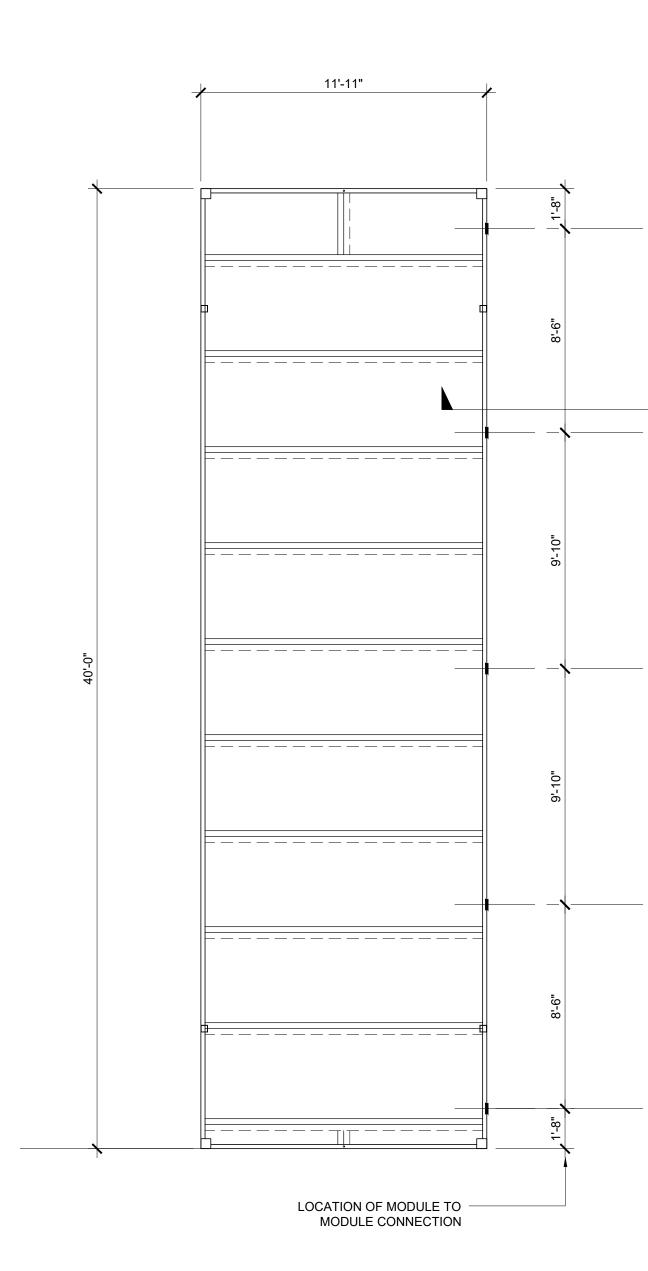
NAILING NOTES: . ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED

. 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.

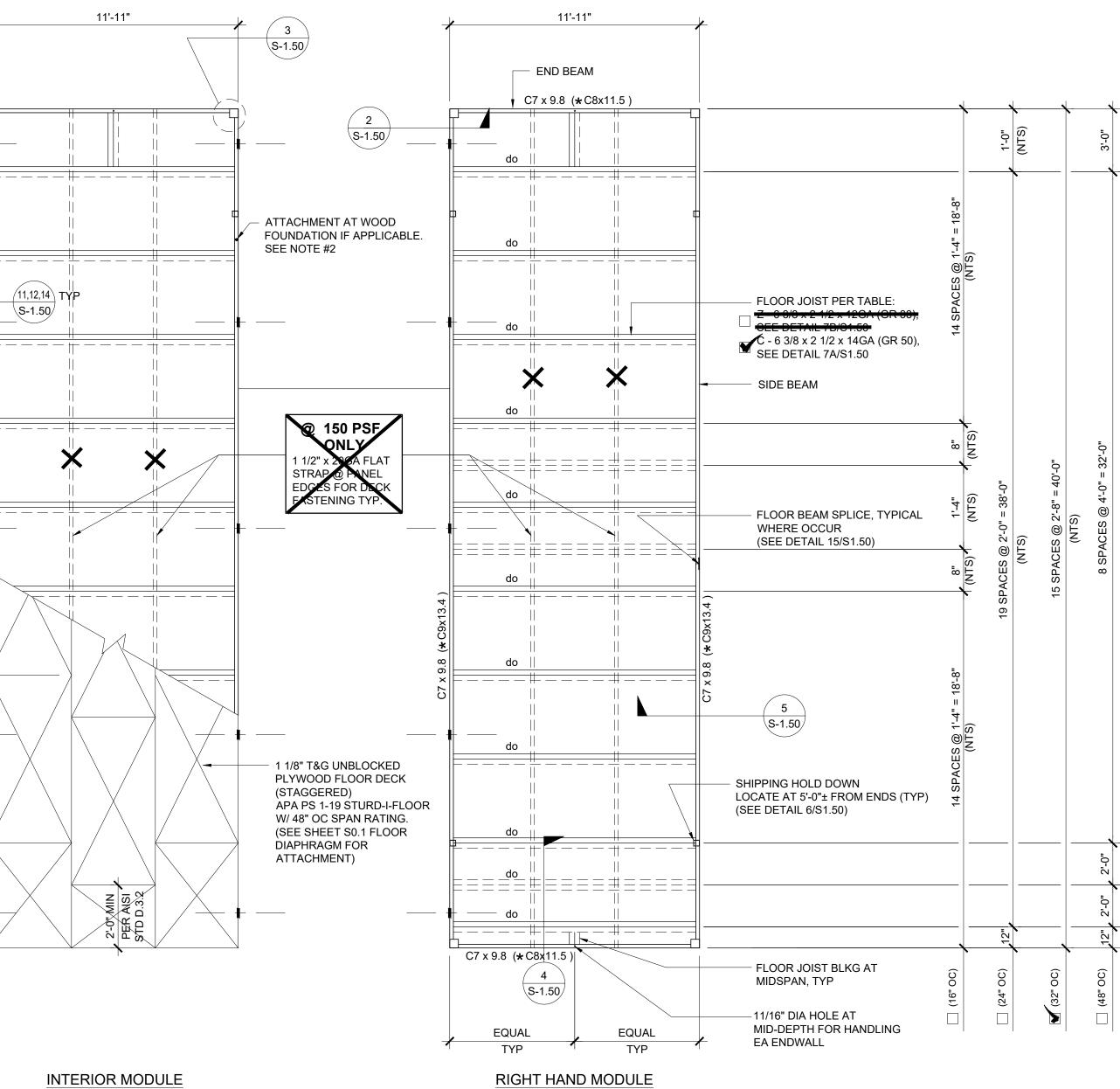




LEFT HAND MODULE

NOTE: SEE BEAM AND COLUMN SCHEDULE ON SHEETS S-3.01 THRU S-3.02 FOR APPLICABLE FLOOR BEAM SIZE



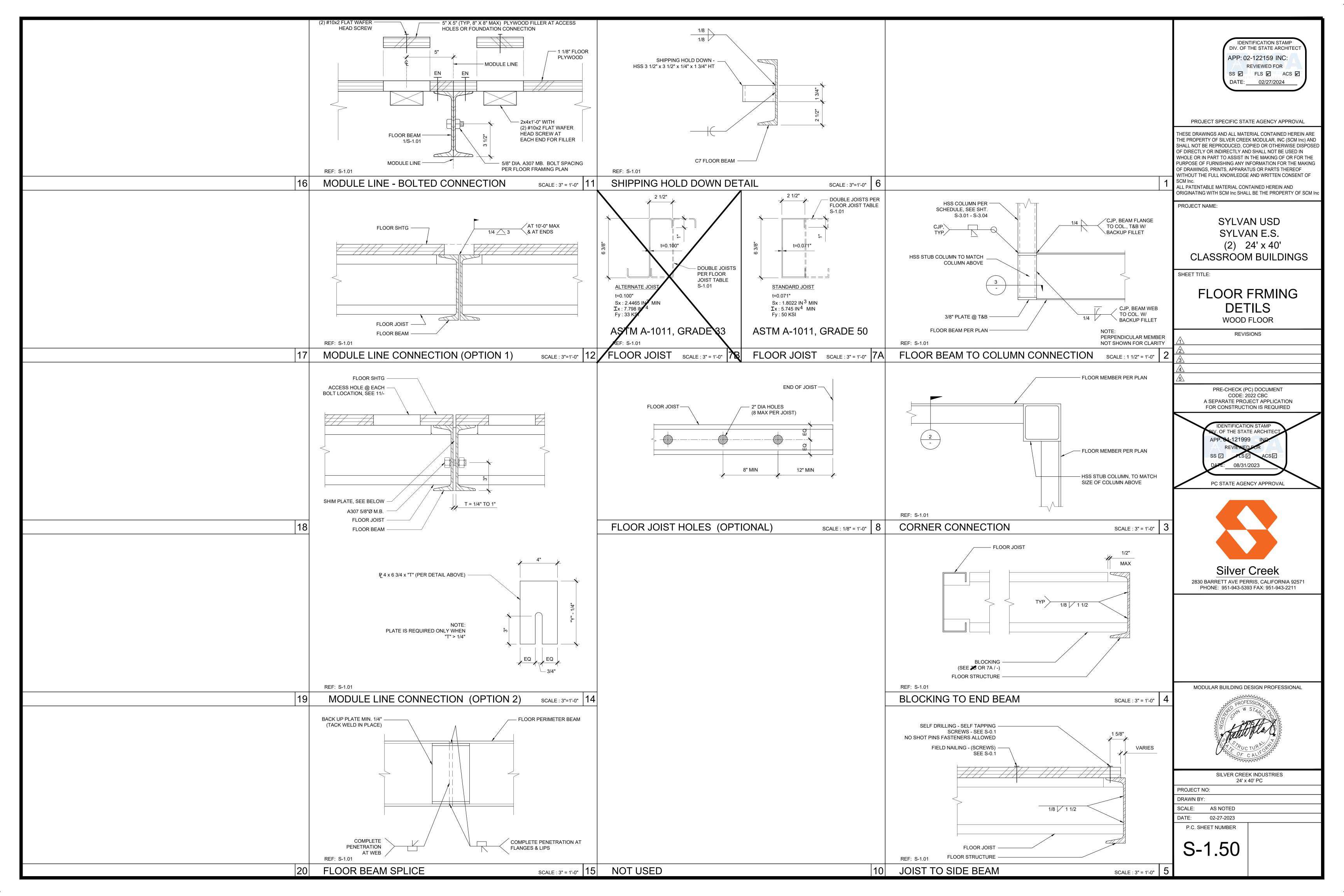


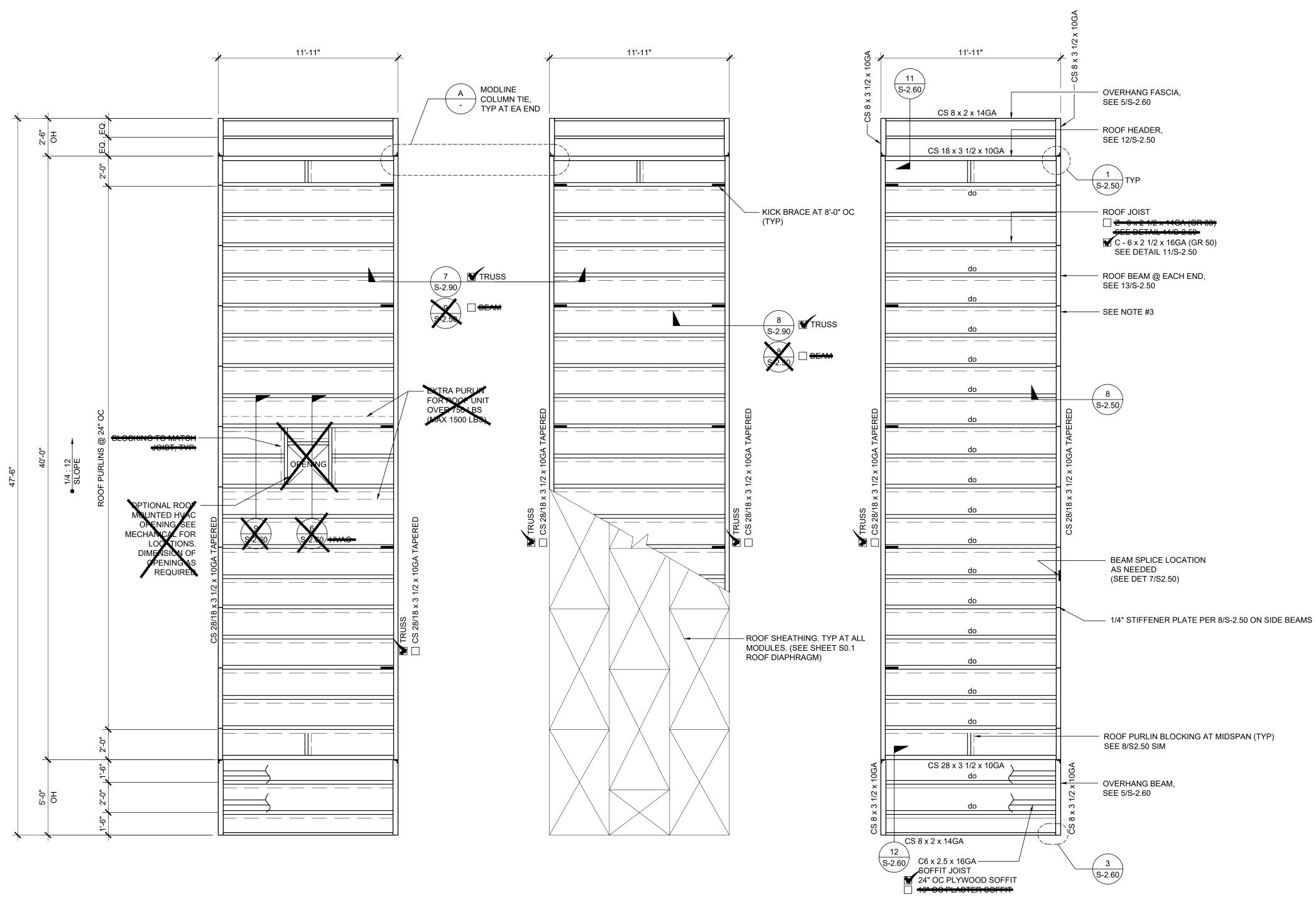
**INTERIOR MODULE** 

FRONT

(48"

		DTES:				
		FOR FLOOR BLOCKING SEE DE 4,7B / S-1.50 (STD), 4 7A / S 1 50 (ALT)	ETAILS		IDENT DIV. OF T	TIFICATION STAMP HE STATE ARCHITECT
	2.	4,7A / S-1.50 (ALT) FOR BUILDINGS ON WOOD FO PROVIDE 11/16" DIA. HOLE AT I FOR LAG SCREW ATTACHMEN	BOTTOM FLANGE OF I	FLOOR BEAM		-122159 INC: EVIEWED FOR FLS I ACS I
	3.	FOR EXACT HOLE LOCATIONS	, SEE FOUNDATION PI PRESSURE TREATED	LAN. WOOD OR	DATE:	02/27/2024
		CLEAR FROM EXPOSED EARTI	4.			ATE AGENCY APPROVAL
		OOR JOIST TAE			THESE DRAWINGS AND ALL MAT	ERIAL CONTAINED HEREIN ARE
			JOIST S	PACING	THE PROPERTY OF SILVER CREE SHALL NOT BE REPRODUCED, CO OF DIRECTLY OR INDIRECTLY AN	OPIED OR OTHERWISE DISPOSED
		LIVE LOAD PSF	CLASSROOM ¥	OFFICE	WHOLE OR IN PART TO ASSIST IN PURPOSE OF FURNISHING ANY II	N THE MAKING OF OR FOR THE NFORMATION FOR THE MAKING
		50 50	32"	32" DBL JOIST	OF DRAWINGS, PRINTS, APPARA WITHOUT THE FULL KNOWLEDGE SCM Inc.	
		50	24"	24" DBL JOIST	ALL PATENTABLE MATERIAL CON	ITAINED HEREIN AND LL BE THE PROPERTY OF SCM Inc
		50 50 + 15	16" 32"	16" DBL JOIST	PROJECT NAME:	
		50 + 15	24"			
		50 + 15	16"		SYLVA	
		100	24"		SYLVA	-
		150	16"			4' x 40'
					CLASSROOM	I BUILDINGS
					SHEET TITLE:	
						MING PLAN
						FLOOR
					VV00D	ILOOK
		OOR SHEATHIN	IG		DE//I	SIONS
		PRESSURE TREATED				
					2	
		SSURE TREATED SHEATHING			<u> </u>	
	THE	DD FOUNDATIONS ARE USED A FOUNDATION AT A DISTANCE ERSIDE OF THE FLOOR SHEAT	OF LESS THAN 18" BE	LOW THE	<u></u>	
		PRMATION.	HING. BEE 10/1-0.301		CODE: 2 A SEPARATE PRO	2C) DOCUMENT 1022 CBC JECT APPLICATION TON IS REQUIRED
				•	IDENTIFICATION	
					APP. 64-121999 REVIEWED SS	
					DATE: 08/31/2	ERAL S RVICES
					PC STATE AGE	
					Silver	Creek
						RRIS, CALIFORNIA 92571 93 FAX: 951-943-2211
					MODULAR BUILDING D	ESIGN PROFESSIONAL
					HEESTIN W	75 The the
					A STRUC	TURA REAL
						EK INDUSTRIES 40' PC
					DRAWN BY: SCALE: AS NOTED	
					DATE: 02-27-2023 P.C. SHEET NUMBER	
					S-1.01	
" 1	-					

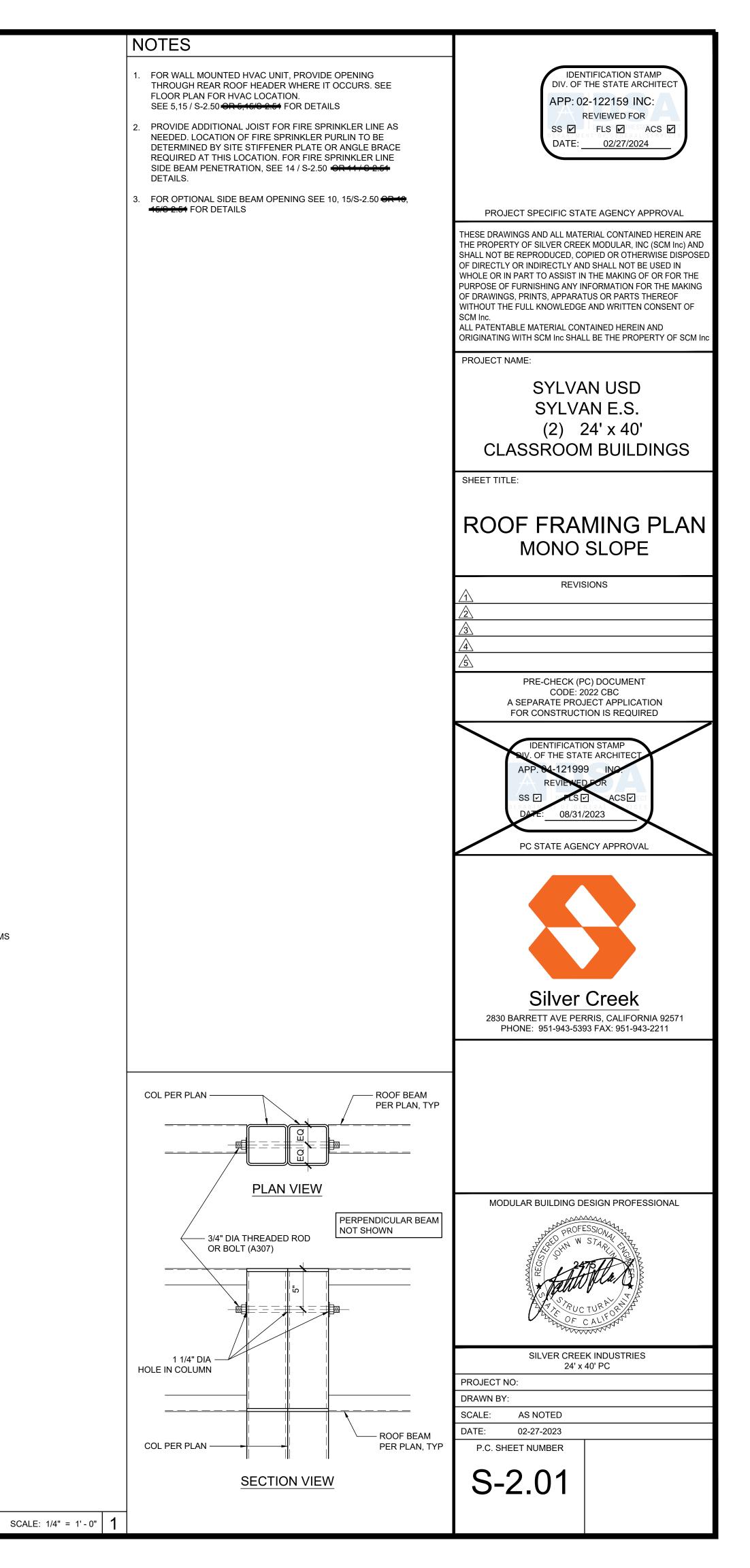


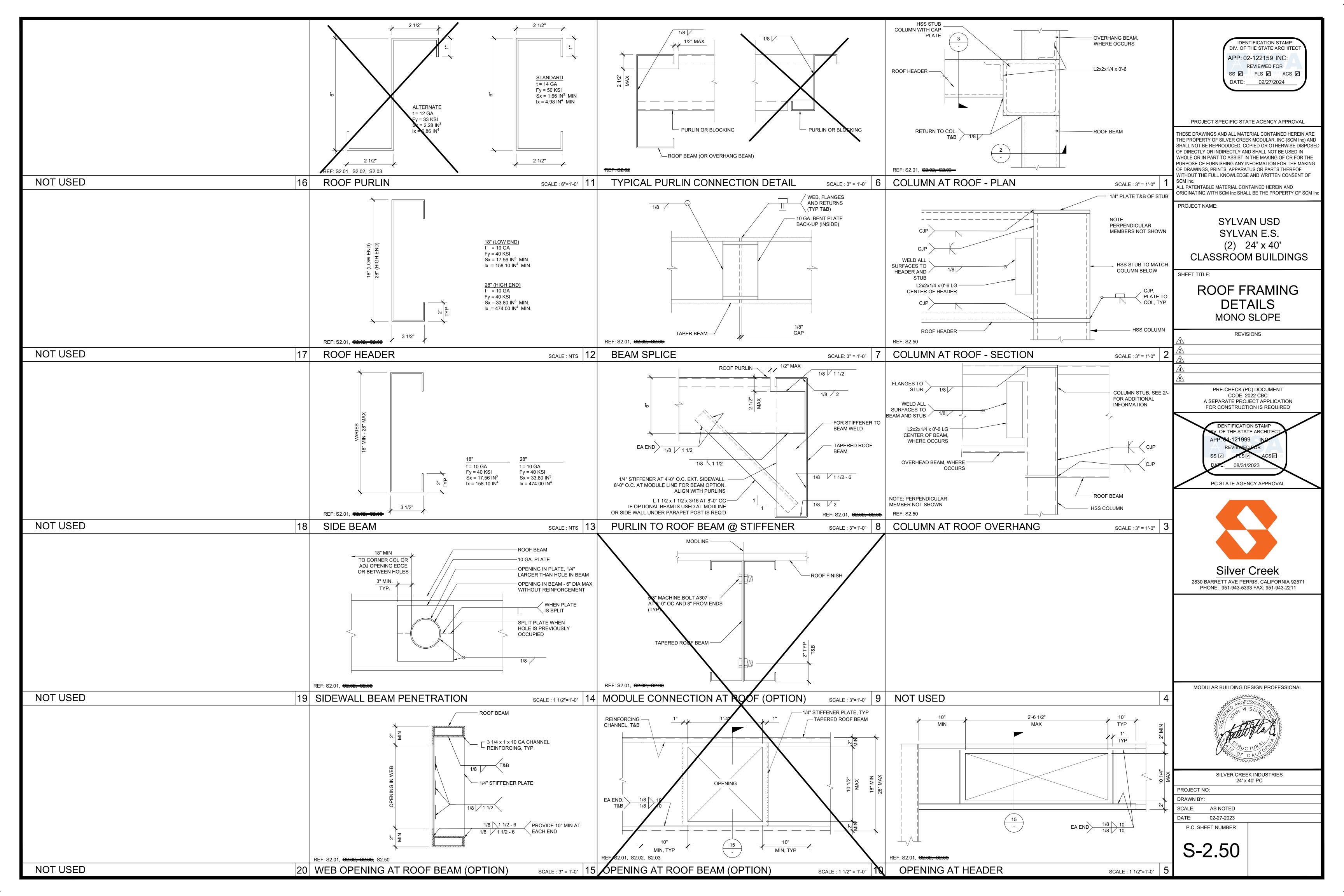


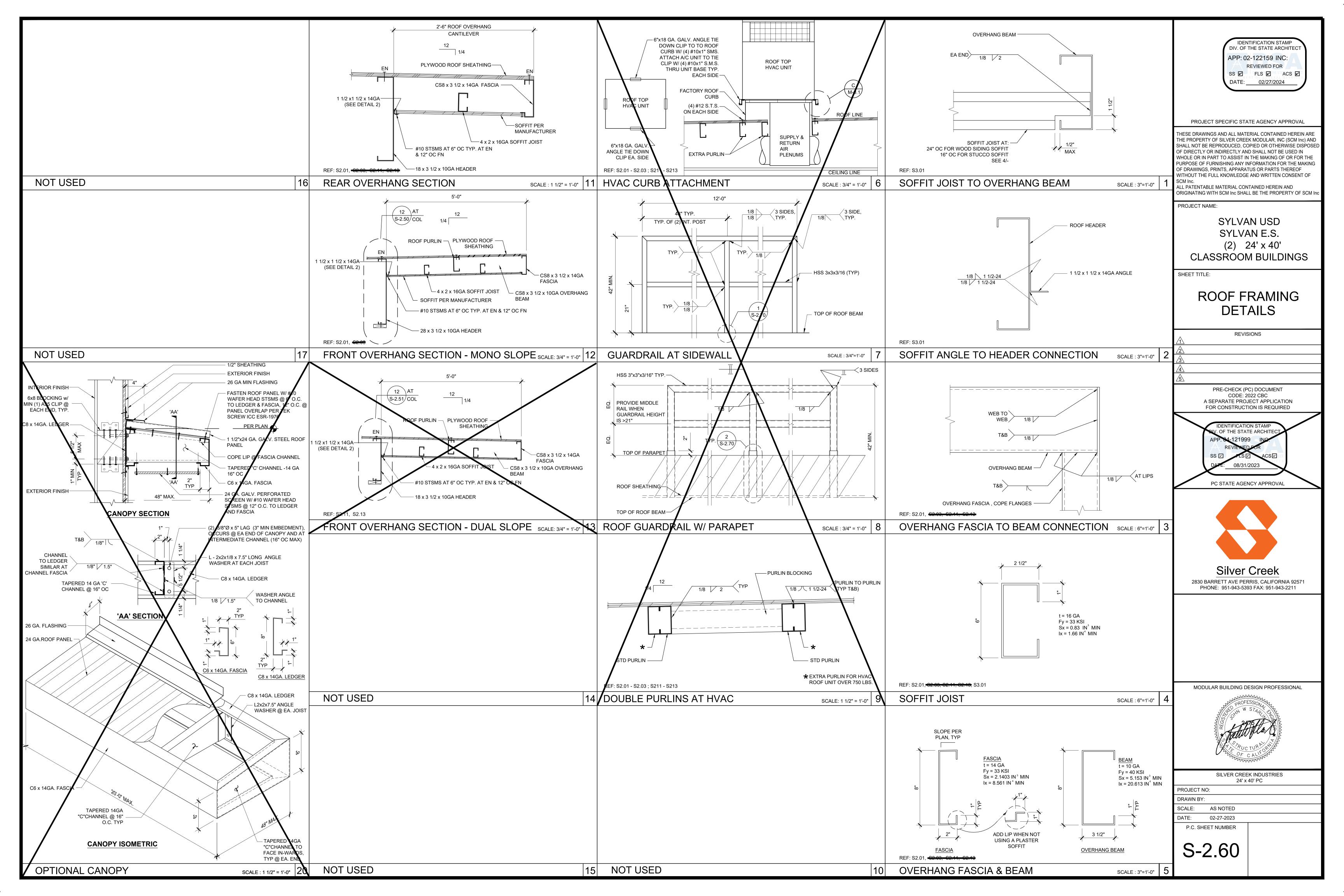
LEFT HAND MODULE

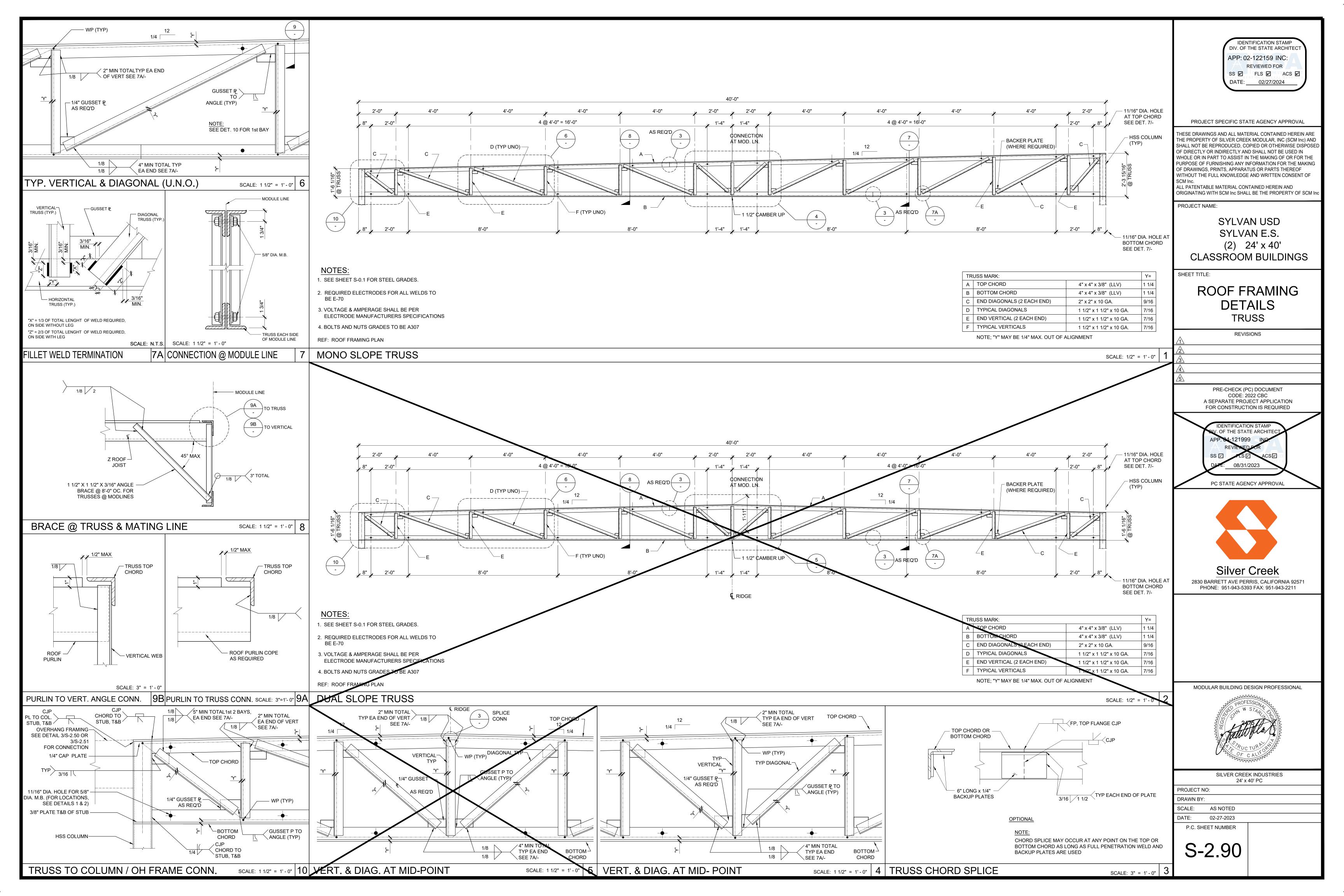
INTERIOR MODULE

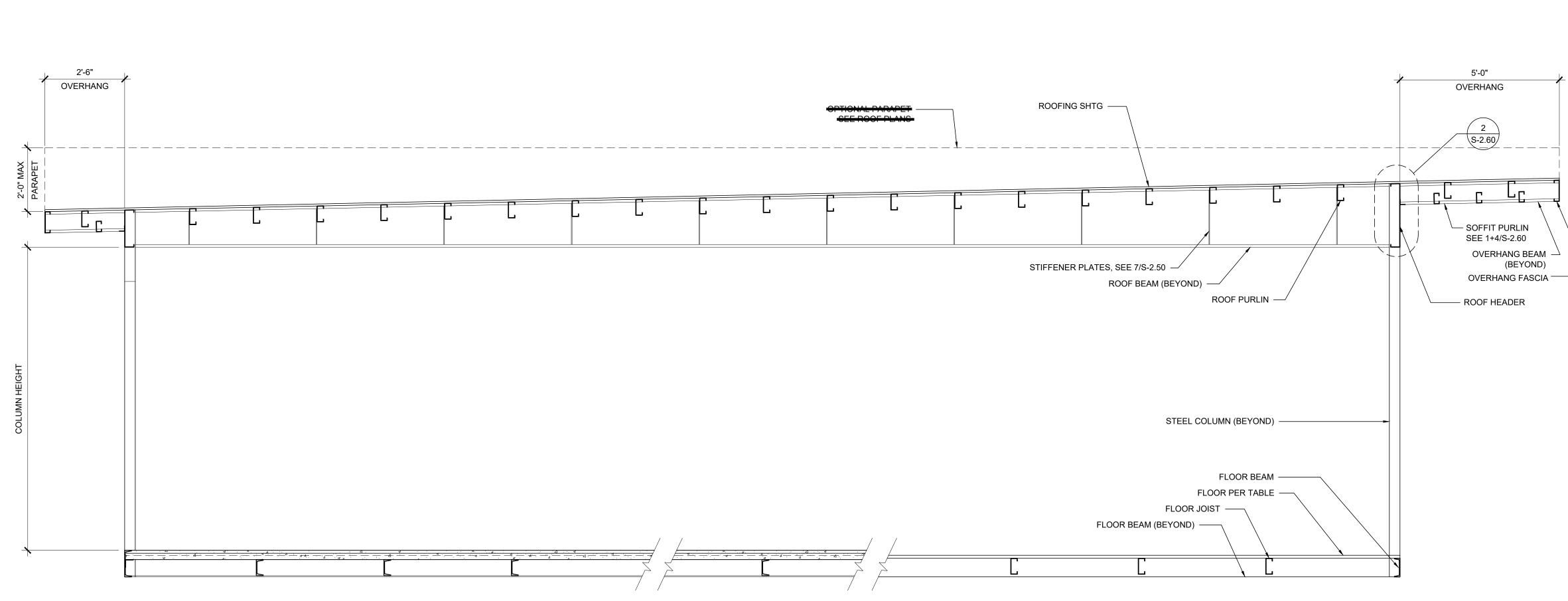
**RIGHT HAND MODULE** 



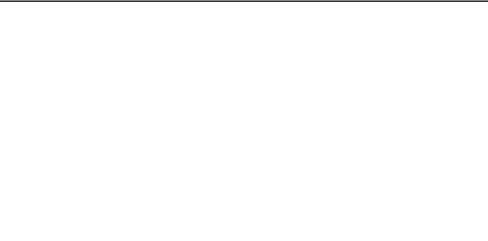


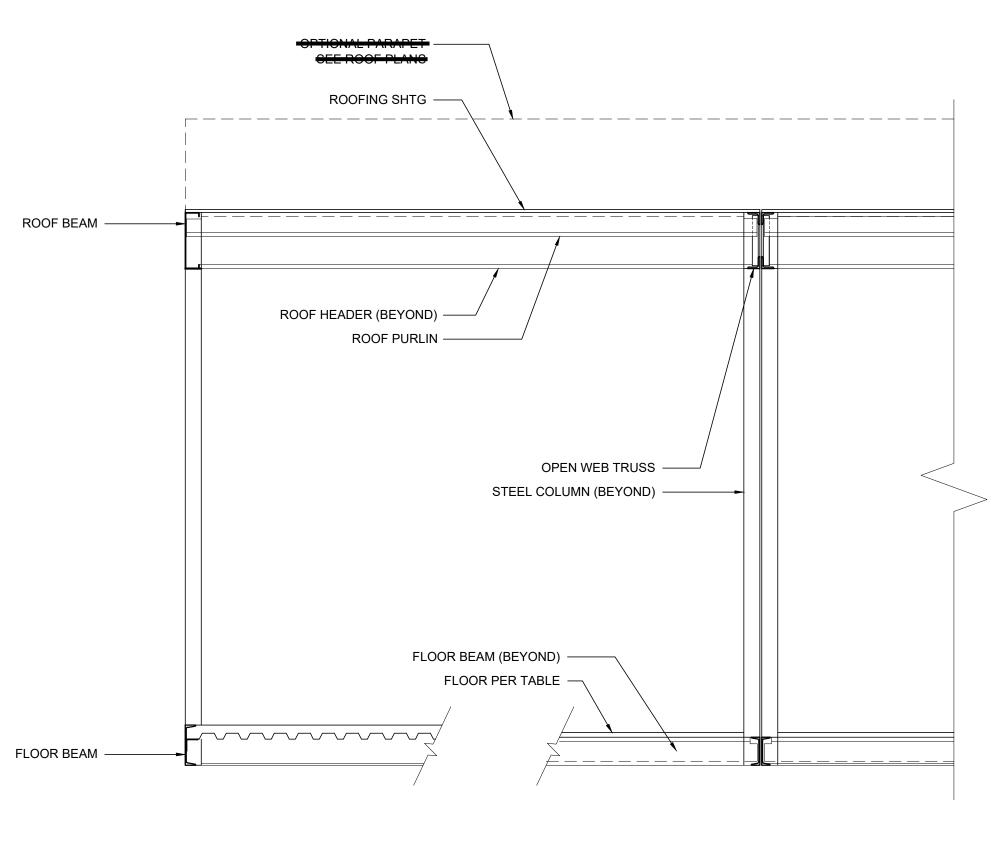


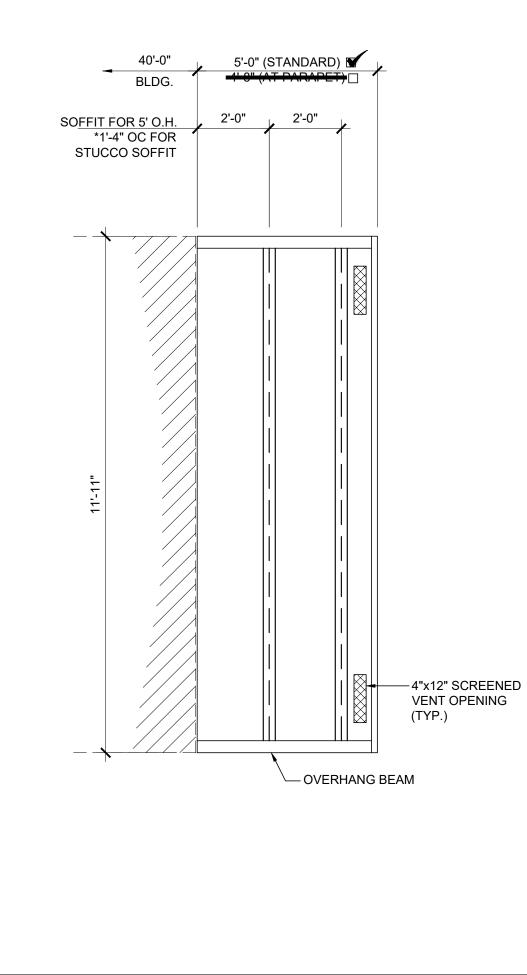




# **BUILDING SECTION**



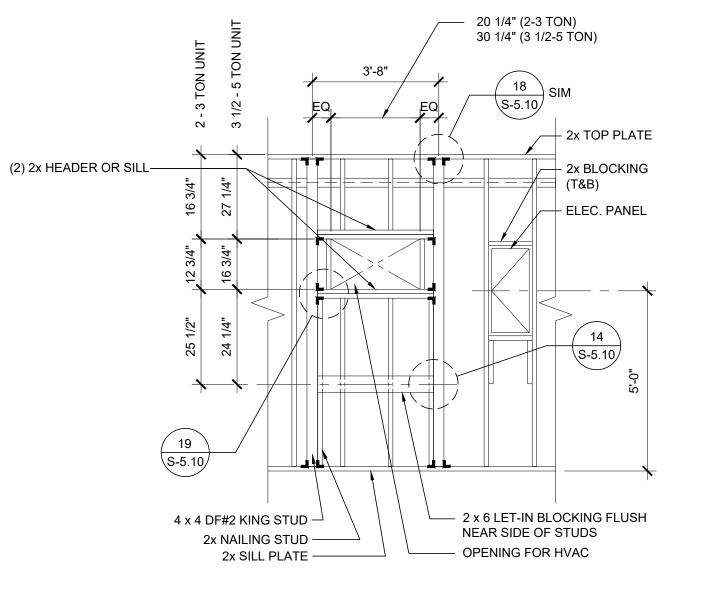


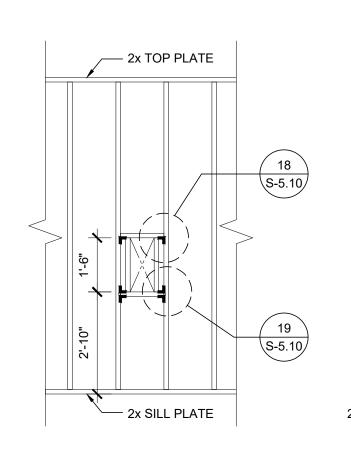


	NOTES	6		
)" HANG	MATERIA	RMATION SUCH AS DETAILS, SECTIO L ATTACHMENT SHALL BE REFEREN WITHIN THIS SET WHERE IT APPLIES	ICED FROM OTHER	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122159 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 02/27/2024
				PROJECT SPECIFIC STATE AGENCY APPROVAL
2 2.60 FIT PURLIN 1+4/S-2.60 (ERHANG BEAM (BEYOND)		R CONSTRUCTION FLOOR ETE FLOOR		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
ERHANG FASCIA				PROJECT NAME: SYLVAN USD SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS SHEET TITLE:
				BUILDING SECTIONS MONO SLOPE
				REVISIONS
	COLUMN	HSS COLUMN SC	ROOF W/ PARAPET	PRE-CHECK (PC) DOCUMENT
	HEIGHT 9'-0"	6 x 6 x 1/4	□ 6 x 6 x 1/4 <b>★</b>	CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
	9'-6"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 <b>★</b>	IDENTIFICATION STAMP
SCALE: 1/2" = 1'-0" <b>1</b>	□ 10'-0" □ 10'-6"	☐ 6 x 6 x 1/4 ☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 <b>★</b> ☐ 6 x 6 x 1/4 <b>★</b>	APP. 04-121999 INC. REVIEWED FOR SS P FLS ACS DATE: 08/31/2023
		FLOOR BEAM C7x9.8 (TYP) PERIMETER BEAM FOR A C9x13.4 PERIMETER BEAM FOR A C40x45.3 TYP. PERIMETER BEAM	- For wood floor	PC STATE AGENCY APPROVAL FC STATE AGENCY APPROVAL Silver
-4"x12" SCREENED VENT OPENING (TYP.)				MODULAR BUILDING DESIGN PROFESSIONAL
И				SILVER CREEK INDUSTRIES 24' x 40' PC PROJECT NO:
				DRAWN BY: SCALE: AS NOTED
				DATE: 02-27-2023 P.C. SHEET NUMBER
SCALE: 3/8" = 1'-0" 2				S-3.01

# TYPICAL HVAC

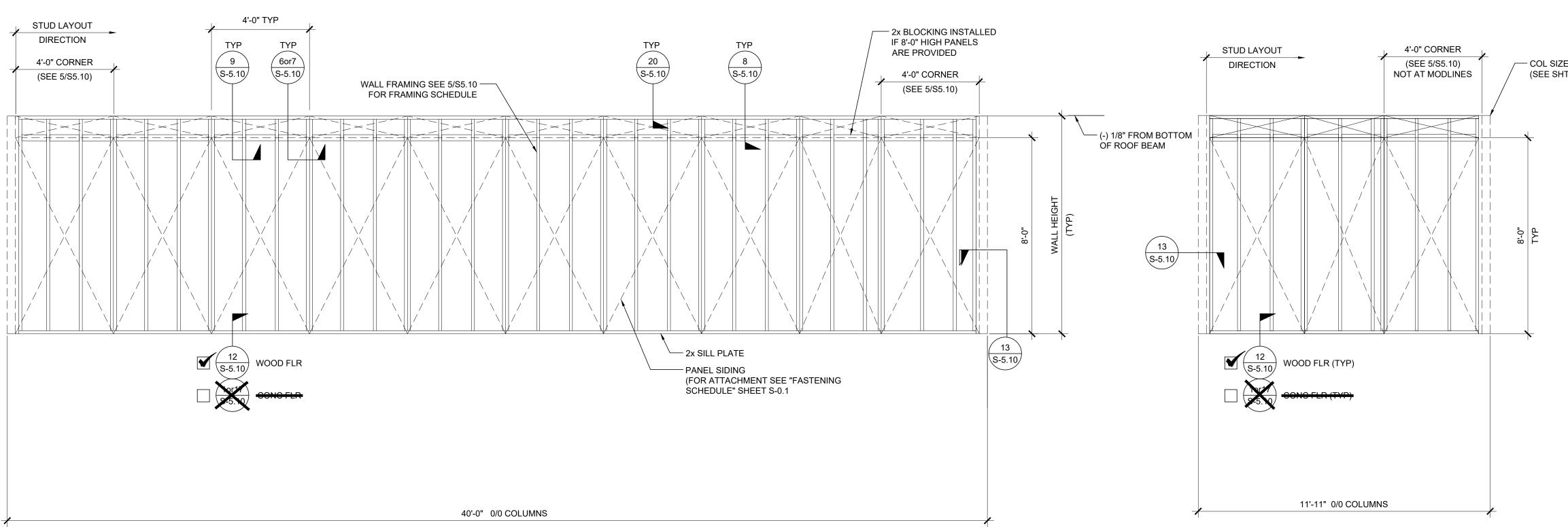
# FIRE EXTINGUISHER CABINET BLOCKOUT





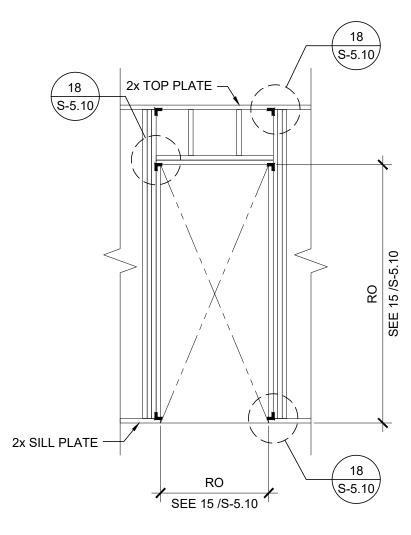
# **TYPICAL SIDE WALL**

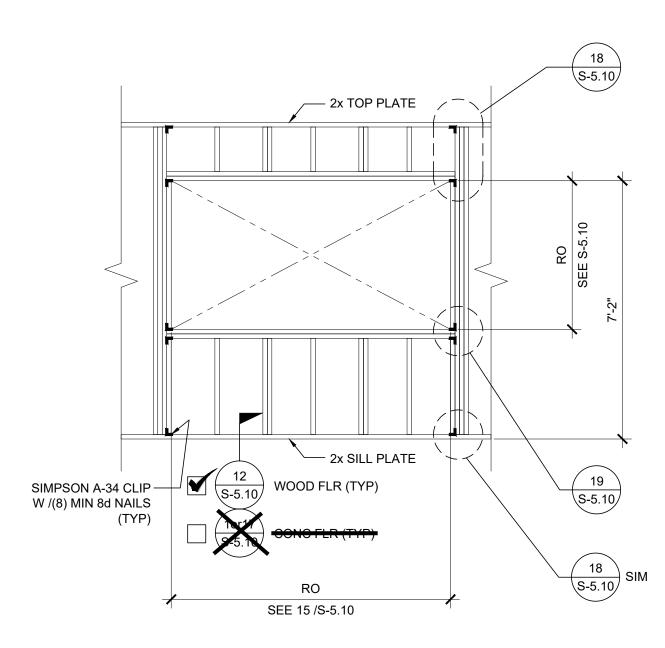
40'-0" 0/0 COLUMNS



# TYPICAL DOOR

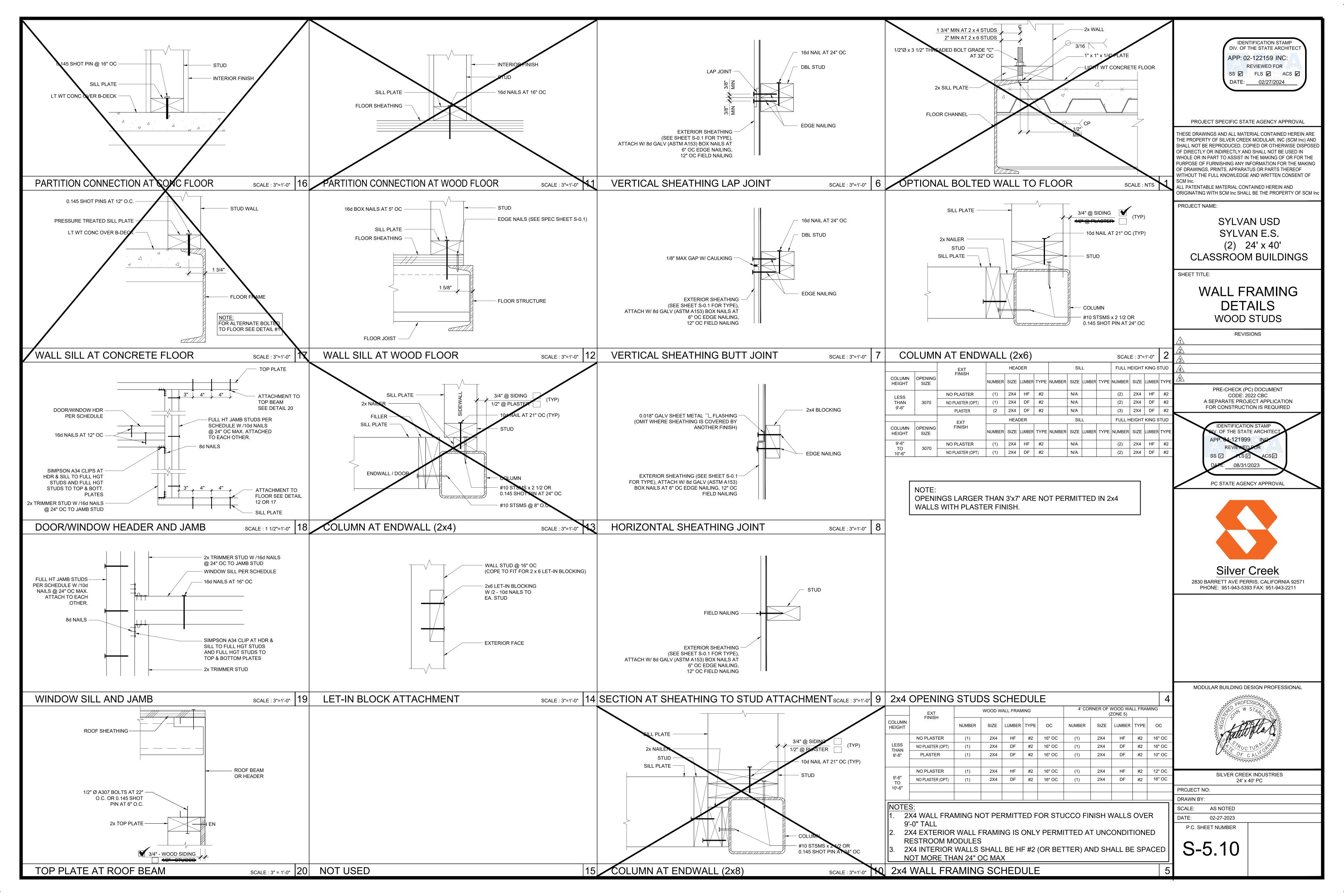
# **TYPICAL WINDOW**



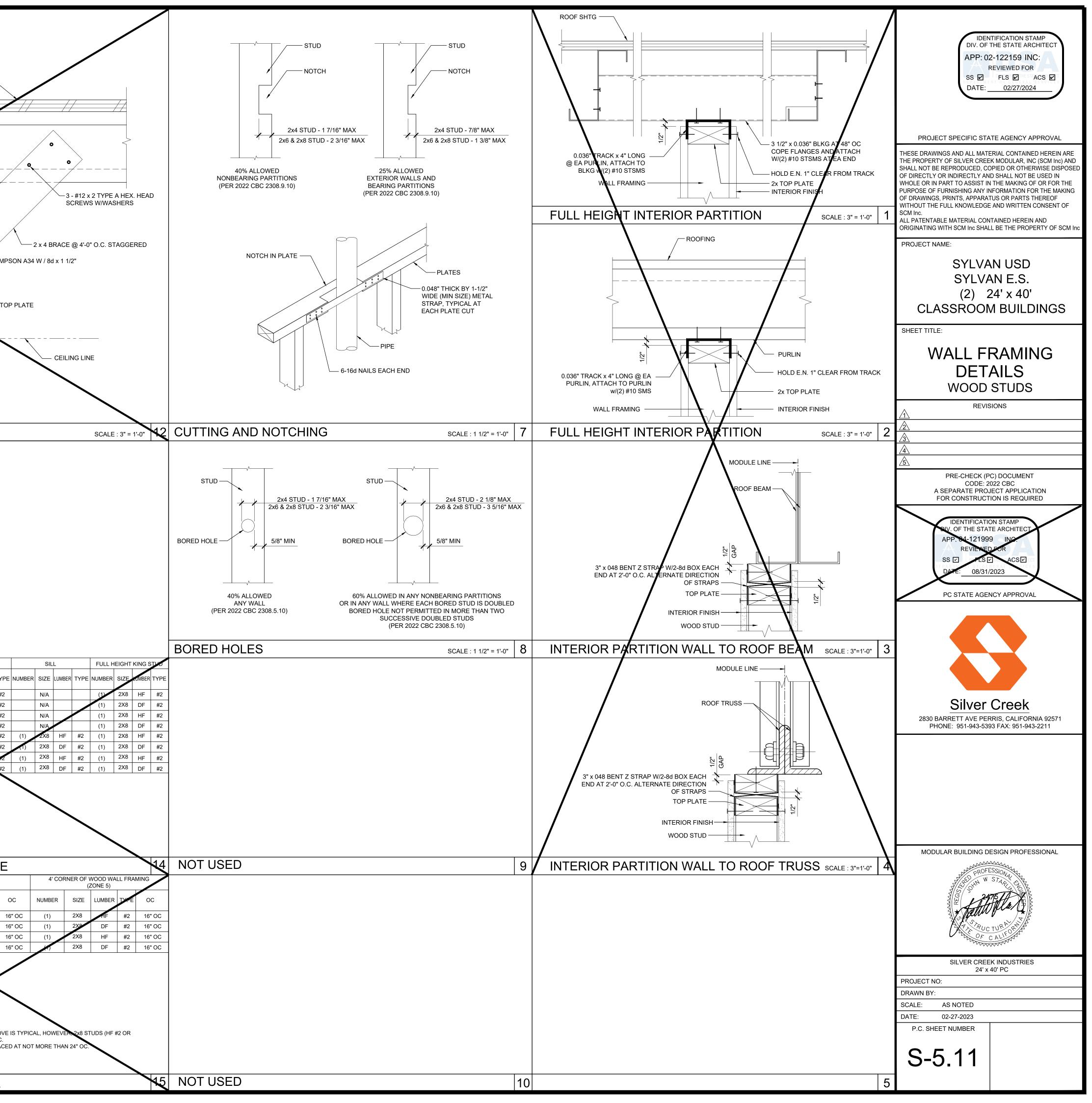


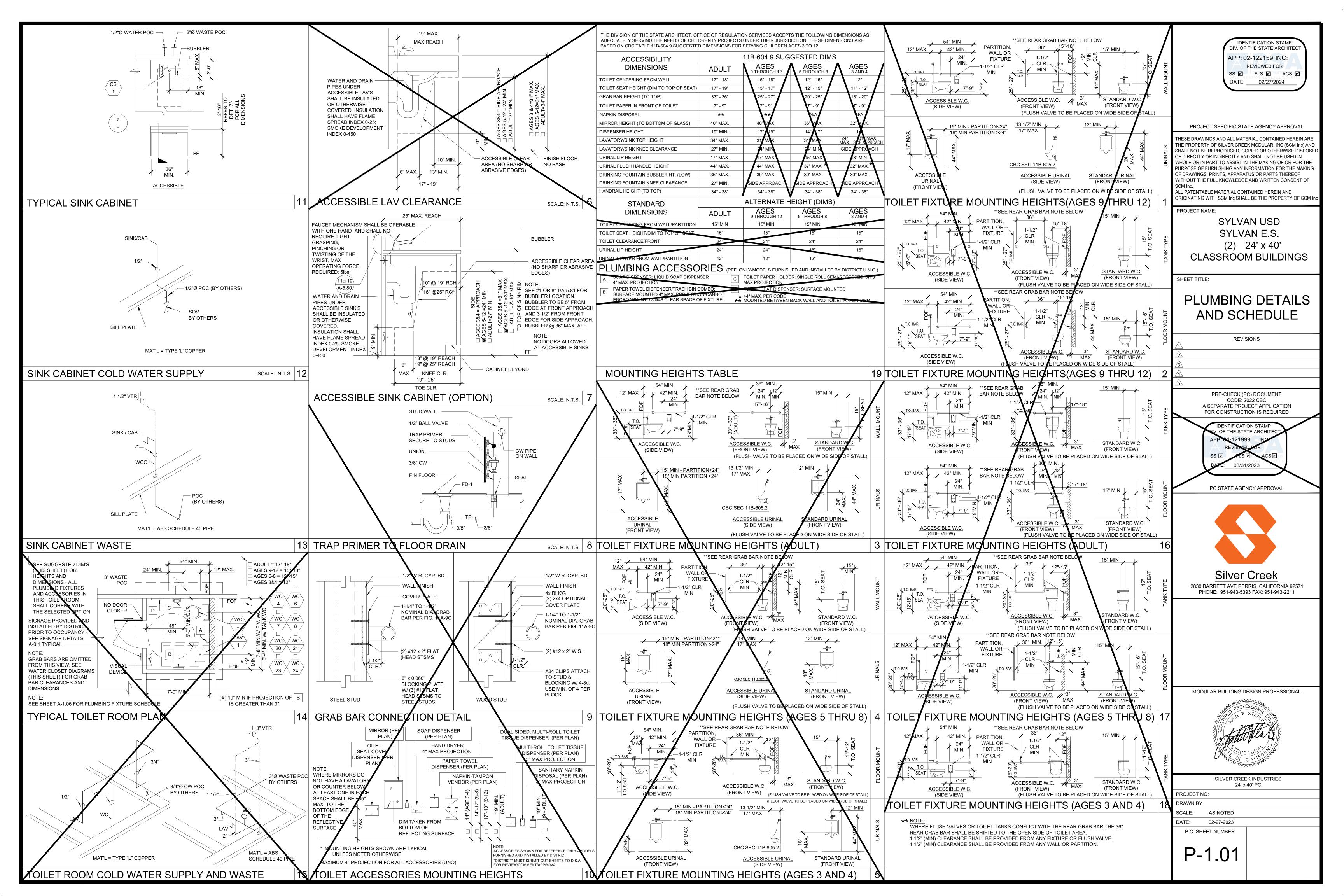


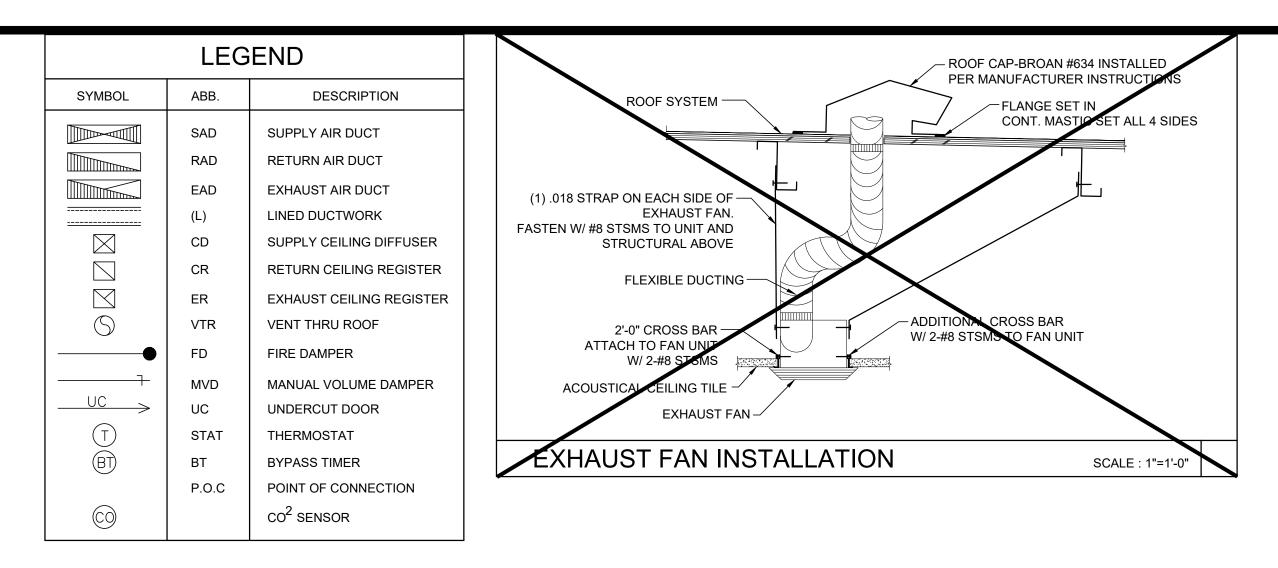
	NOTES	
		IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122159 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 02/27/2024
		PROJECT SPECIFIC STATE AGENCY APPROVAL
2E 1T S3)	WALL HEIGHT SCHEDULE         COLUMN HEIGHT       Image: 9'-0"       Image: 9'-6"       Image: 10'-0"       Image: 10'-6"         Image: ONORETE FLOOR       8'-11 7/9"       9'-5 7/9"       9'-41 7/9"       19'-5 7/9"         Image: WOOD FLOOR       8'-10 3/4"       9'-4 3/4"       9'-10 3/4"       10'-4 3/4"	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: SYLVAN USD SYLVAN E.S. (2) 24' x 40' CLASSROOM BUILDINGS
		SHEET TITLE: WALL FRAMING ELEVATIONS WOOD STUDS REVISIONS
		<u>3</u> <u>√4</u> <u>√5</u>
	NOTE:	PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
	ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (MIN). <del>EXCEPTION: UNCONDITIONED RESTROOM</del> <del>MODULES MAY UTILIZE 2x4 FRAMING.</del>	IDENTIFICATION STAMP NV. OF THE STATE ARCHITECT APP. 94-121999 INC. REVIEWED FOR SS I FLS ACSI DATE: 08/31/2023
		PC STATE AGENCY APPROVAL
		MODULAR BUILDING DESIGN PROFESSIONAL
		SILVER CREEK INDUSTRIES 24' x 40' PC PROJECT NO:
		DRAWN BY: SCALE: AS NOTED
		DATE: 02-27-2023 P.C. SHEET NUMBER
8" = 1'-0" <b>1</b>		S-5.00
		1



	3 x 3 x 0.105"		ROOF PURLI	IN	12		•	3-# SCF	=====	TYPE A	HEX. HE	EAD				ROC	DF PURL			ROO	FING	
	2) #12 STSMS D EA PURLIN		STUDS					PSON A	∆34 W /	BRACE		" O.C.	STAG	GERED		STUDS @	16" 0.0				/	SIMPS × TOF
	TERIO	R P	PARTIT	ION							SCAL	.E : 3" :	= 1'-0"	14	IN	TERIC	DR F	PARTI	ΓΙΟΝ			
COLUMN HEIGHT	OPENING SIZE		EXT FINISH	NUMBER	HEAL		TYPE NUM		SILL ZE LUMBI	ER TYPE	FULL NUMBEI		T KING		COLUM HEIGHT	OPENING		EXT FINISH	NUMBE	HEAI R SIZE		TYPE
UP TO 10'-6"	3070 4070 6040 8040		ANY ANY (OPT) ANY ANY (OPT) ANY ANY (OPT) ANY ANY (OPT)	(1) (1) (1) (1) (1) (1) (1) (1) (1)	2X6 2X6 2X6 2X6 2X6 2X6 2X6 2X6	DF HF DF HF DF HF	#2       #2       #2       #2       #2       #2       (1       #2       (1       #2       (1       #2       (1	) 2> ) 2>	A A A A A A A A A A A A A A A A A A A	#2	(1) (1) (1) (1) (2) (2) (2) (2) (2)	2X6 2X6 2X6 2X6 2X6 2X6 2X6 2X6 2X6	DF HF DF HF DF HF HF	#2 #2 #2 #2 #2 #2 #2	UP TO 10'-6"	3070 4070 6040 8040	NO NO NO NO NO	PLASTER OLASTER (OPT) PLASTER PLASTER PLASTER PLASTER PLASTER PLASTER (OPT)	(1) (1) (1) (1) (1) (1) (1) (1)	2X8 2X8 2X8 2X8 2X8 2X8 2X8 2X8 2X8	HF DF HF DF HF HF	#2 #2 #2 #2 #2 #2 #2 #2 #2
2x6 (			STUD		CHE	DUL				.NER OF	WOOD V	VALL FI		19	27.8		IING			CHE		
COLUMN HEIGHT	EXT FINISH NO PLASTE	R	NUMBER (1)			R TYPE #2	OC 16" OC		MBER	SIZE 2X6	(ZONE 5)	R TYF		OC 16" OC	COLUMN HEIGHT	EXT FINIS		NUMBER (1)	SIZE 2X8	LUMBEF		E C
	NO PLASTER ( NO PLASTER ( W/ PLASTER (O W/ PLASTER (O OTE: INTERIOR WA	OPT) R IPT)	(1) (1) (1)	2X6 2X6 2X6	DF HF DF	#2 #2 #2	16" OC 16" OC 16" OC		1)       1)       1)       1)	2X6 2X6 2X6	HF DF HF DF	#2	2 1 2 1	16" OC 16" OC 16" OC	UP TO 10'-6"	NO PLASTE W/ PLAS W/ PLASTEF W/ PLASTEF 1. EXT BET	ER (OPT) TER R (OPT) ERIOR S TER) MA	(1) (1) (1) (1) TUD SPACIN BE SPACEI ALLS MAY BE	2X8 2X8 2X8 3 S SHOWN D AT NOT M		#2 #2 #2 #2	BOVE OC.
2x6	WALL	FR	AMING	SCI	HEC	ULE								20	2x8	WALL	. FR	AMING	GSC	HED	UL	E
								-		_	_	_	-									



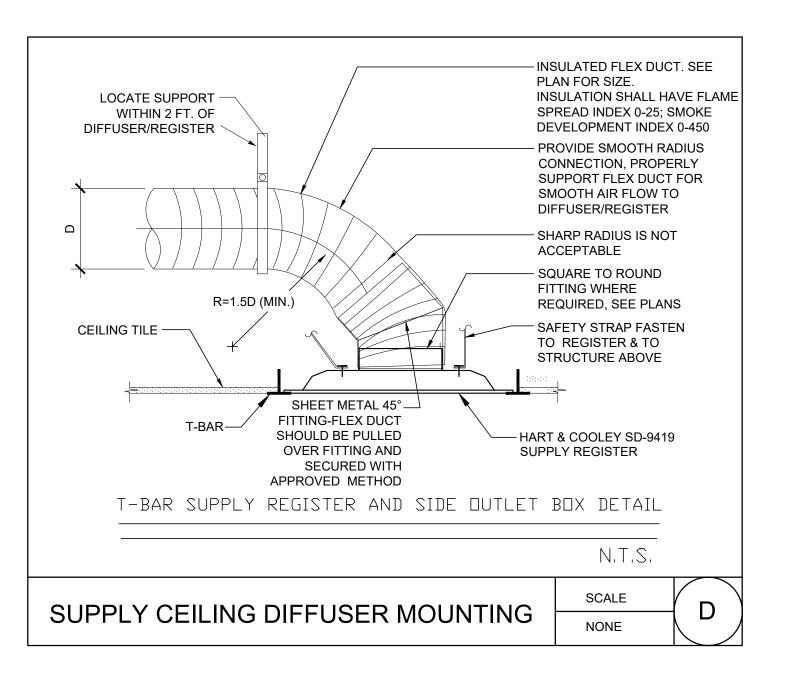




	GEI		NTED E	EXHAUS	ST FAN	SCH	EDU	ILE				
SYM.	LOCATION	SERVICE	MANUL.	MODEL	CFM	SONES	SP	ELE	CTR	RICAL	WGT.	REMARKS
		02111102					01	VOLTS	ø	POWER	WGT	NEWARKO
EF 1	CEILING	TOILET EXHAUST	* BROAN	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. EXHAUST DUCT UP TO ROOF. WITH LIGHT 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. EXHAUST DUCT UP TO ROOF. 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. EXHAUST DUCT UP TO ROOF. WITH LIGHT SWITCH.

OR APPROVED EQUAL

PERFO	RATED	FACE GRI	LE SCHEDULE (SUPPLY)
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw
SUPPLY	8"Ø	150 - 230	For lay-in T-bar ceilings use Harth & Cooley SD-9419 .
	10"Ø	230 - 350	(Sizes as shown on Mech Plan)
16X16-4W	12"Ø	350 - 460	
	14"Ø	460 - 640	

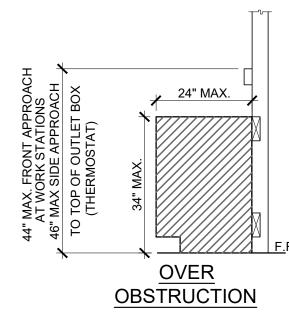


# PERFORATED FACE GRILLE SCHEDULE (RETURN)

ITEM	NECK SIZE	RANGE CFM	MF
T-BAR RETURN	6"Ø	0 - 230	Perforated fa
	10"Ø	230 - 460	Shoemaker (Sizes as sh
	14"Ø	460 - 710	

## **DUCT NOTES:**

- 1. THERMOSTAT SHALL BE PROGRAMMED WITH EXPECTED 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



# PROVIDE 6" DIA. INTERLOCK PROVIDE 8" DIA. INTERLOCK

. PROVIDE 8" DIA.

TERLOCK

## 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

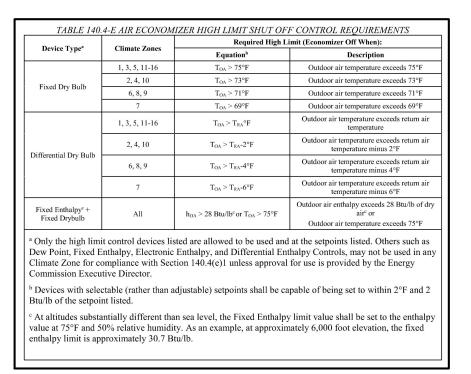
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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 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 #) #-----



- IFG & MODEL #
- face
- -bar ceilings use
- r 105P with 24 ga., 45 deg. angle. shown on Mech Plan.)

## **GENERAL NOTES:**

AIR HANDLER FAN WILL BE PROGRAMMED TO RUN DURING ALL

3. PRE-OCCUPANCY PURGE SHALL BE PROGRAMMED ONE HOUR

PRIOR TO THE MODULAR BUILDING BEING NORMALLY

ECONOMIZERS SHALL BE PROGRAMMED FOR HIGH

5. THE OUTDOOR AIR C02 CONCENTRATION SHALL BE

OCCUPIED PER ENERGY CODE 120.1(D)1.

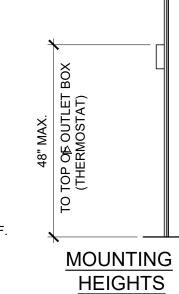
LIMIT SHUT OFF PER TABLE 140.4-E.

ASSUMED TO BE 400 ppm.

OCCUPIED TIMES.

OCCUPIED TIMES.

4



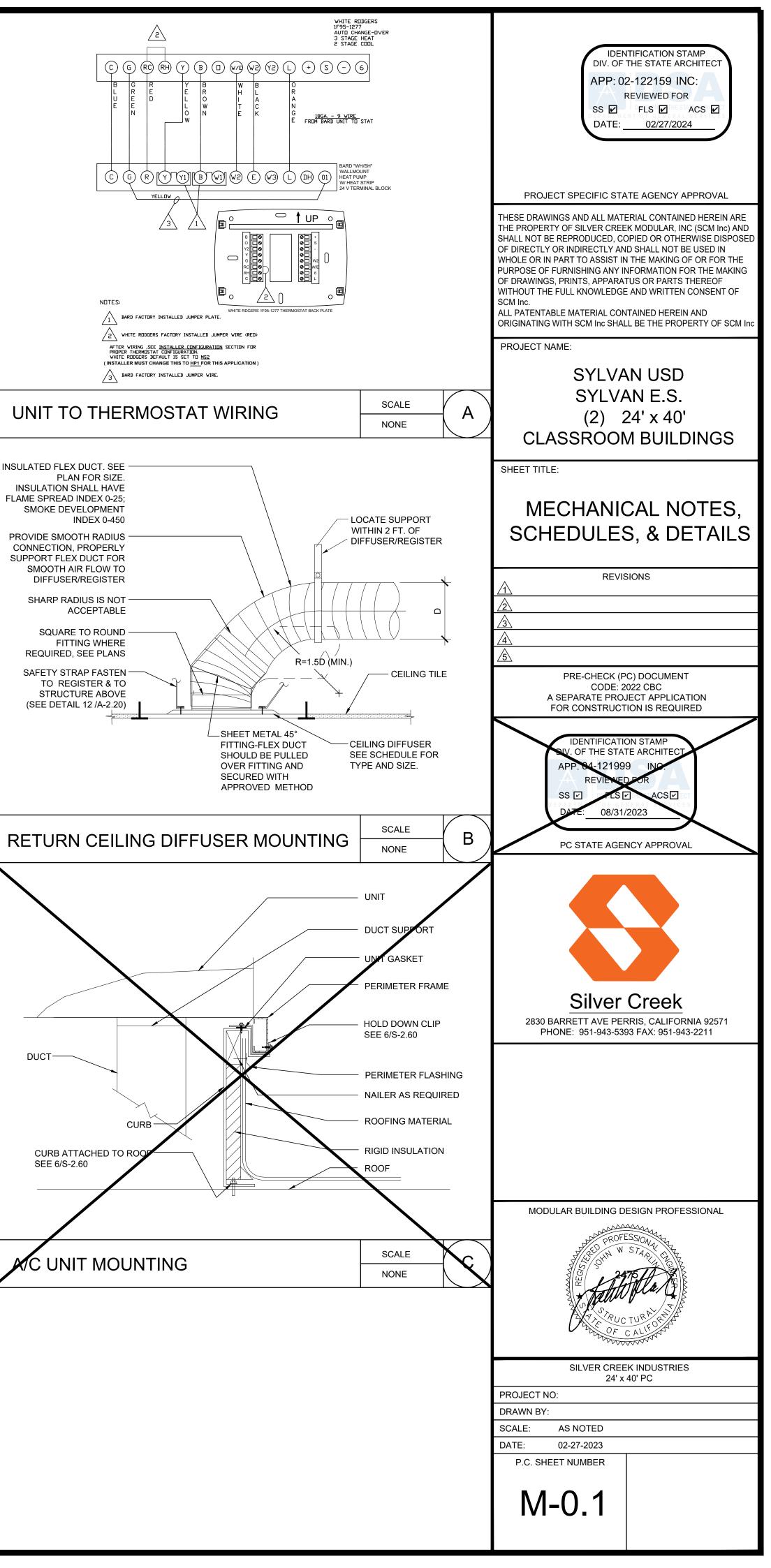
△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

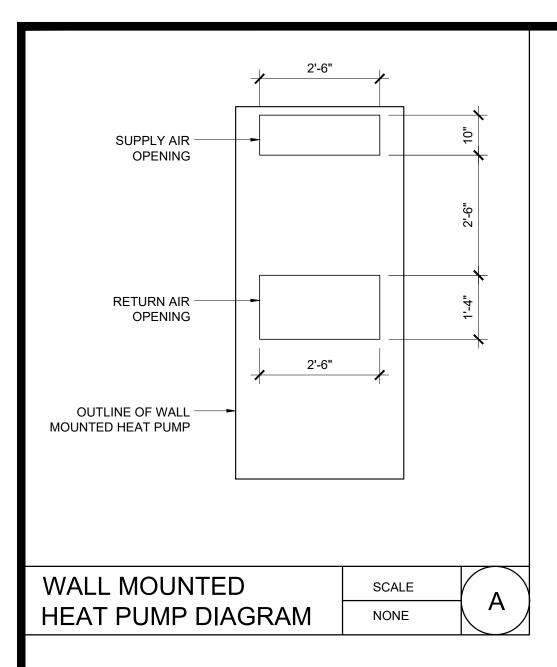
## Heat Pump Sequence of Operations

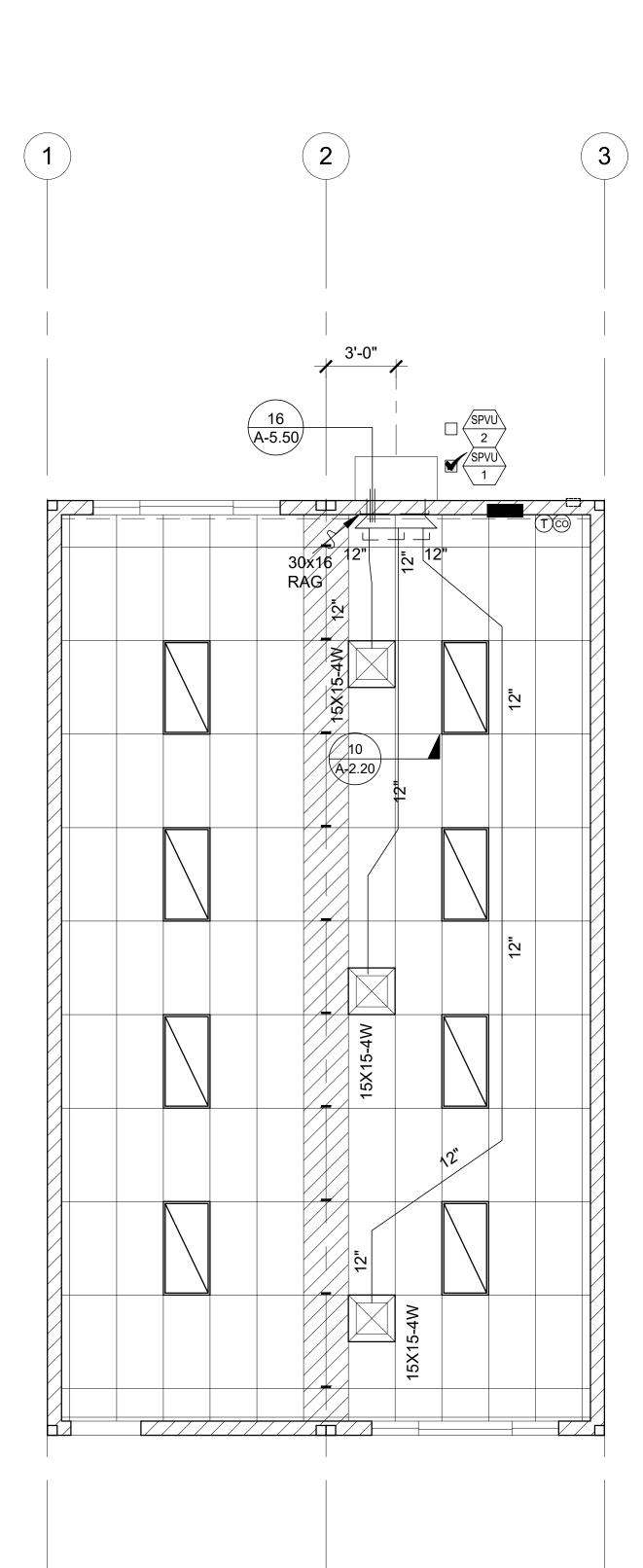
- Description: Constant Volume Unit, DX cooling and heating, and outside air economizer General: Each unit shall be directly controlled and monitored by a programmable logic Thermostat Controller.
- 1. Required Algorithms and Schedules: Time Schedule Setpoint Schedule (temperature)
- Occupancy Status: 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:
- he supply fan will operate A. During scheduled hours.
  B. When occupancy is detected
- 2. Economizer Control Mode: ne 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 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.
- 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.







MECHANICAL PLAN - STANDARD 4 LIGHT CONFIGURATION

Make and Controls Fault Dete Outside Ai Demand C Minimum Demand Sl Operating NOTES:

NOTE:

THIS MECHANICAL SYSTEM SHALL PROVIDE A MINIMUM OUTSIDE AIR RATE OF 0.38 CFM / SF OR 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY THE EXPECTED OCCUPANT LOAD WITH THE SCHOOL DISTRICT PRIOR TO SELECTION OF THE MECHANICAL EQUIPMENT. THE SELECTED EQUIPMENT SHALL BE CAPABLE OF MEETING THE OUTSIDE AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING WILL BE LOCATED. AT THE TIME OF OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO THE BUILDING OWNER A CALCULATION INDICATING THE VOLUMES OF OUTSIDE AIR AND OF RECIRCULATED AIR THAT THE VENTILATION SYSTEM HAS BEEN DESIGNED TO PROVIDE.

24' X 40' CLASSROOM MINIMUM REQUIRED VENTILATION ROOM AREA = 960 SF

VENTILATION AS DESIGNED BUILDING AREA = 960 SF

NOTE:

NOTE: BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER, AT OCCUPANCY, OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS, AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF THE MECHANICAL AND LIGHTING SYSTEMS.

NOTE:

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

WALLWOON	TED MECHANICAL EQUIP SPVU-1	SPVU-2
	BARD	BARD
HVAC Equipment Make and Model	#W60HC-A00VN	#T60S1-A00VN
	5	5
Nominal Tonnage	5	5
<u>BTUH:</u>		-+
Heating	52,500	56,000
Cooling	54,500	52,000
Indoor/Blower Fan:	+	
BHP/HP	0.75/0.75	0.75/0.75
CFM	1,750	1,650
Strip Heating	NA	NA
SEER	NA	NA
EER	11.0	11.0
HSPF	NA	NA
СОР	3.3	3.3
Voltage	230/208-1	230/208-1
MCA	42	V
МСОР	60	e D
Wire Size (Pwr/ Grnd)	8 / 10	8 10
Thermostat:		$\Lambda$
Make and Model	Venstar #T4900SCH	Vensta #T4900SCH
Setback	Yes	Yes
Heat Pumps	Yes	Yes
Shut-off and Reset:	Occupancy Sensor	Occupancy Sensor
Economizer:		
Make and Model	Integrated	Integrated
Controls	Fixed Dry Bulb	lixed Dry Bulo
	Yes	Yes
Outside Air Damper Position	Varies	Varies
Demand Control Ventilation	Yes	Yes
Minimum DCV Outside Air in CFM	0.15 CFM / SF	0.15 CFM / SF
Minimum Designed Outside Air in CFM	See Below	See Below
Demand Shed Thermostat	NA	NA
Operating Weight	595 #	660 #

PROVIDE SET-BACK THERMOSTAT.

DESIGNED MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT PROVIDE AN OCCUPANCY SENSOR WITH AN AUTOMATIC SHUT DOWN CONTROLS PROVIDE 2" MERV 13 FILTER

AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.

AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE IS EQUAL TO THE INDICATED TONNAGE AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

PROVIDE A C02 SENSOR WITH LCD DISPLAY (CARROER #33ZCSPT02LCD-01 or EQUAL) ADJACENT TO THE THERMOSTAT MOUNTED AT + 48" AFF.

PROVIDE A HONEYWELL JADE CONTROL SYSTEM (or EQUAL) CAPABLE OF OUTPUTTING FDD ALARMS TO THE THEMOSTAT PER ENERGY CODE SECTION 120.2(j). ECONOMIZERS SHALL HAVE AN INTEGRATED BARAMETRIC DAMPER OR OTHER MEANS OF EXHAUSTING THE BUILDING WHEN THE SYSTEM IS DELIVERING 100% OUTSIDE AIR.

## MECHANICAL EQUIPMENT SCHEDULE

## **VENTILATION CALCULATIONS:**

REQUIRED VENTILATION RATE = 0.38 CFM / SF REQUIRED OUTSIDE AIR VOLUME = 960 X 0.38 = 365 CFM

OCCUPANCY FOR EGRESS PURPOSES = 960 / 20 = 48 OCCUPANTS EXPECTED # OF OCCUPANTS = 48 OCCUPANTS X 0.65 = 31 OCCUPANTS REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT REQUIRED OUTSIDE AIR VOLUME = 31 X 15 = 465 CFM

THE DEMAND CONTROL VENTILLATION SYSTEM SHALL NOT BE REQUIRED TO PROVIDE THE OUTSIDE AIR IN EXCESS OF THE DESIGNED VOLUME INDICATED ABOVE.. THE DEMAND CONTROL VENTILLATION SYSTEM SHALL NOT REDUCE THE OUTSIDE AIR TO LESS THAN 25% OF THE DESIGNED VOLUME INDICATED ABOVE.

THE OCCUPANCY SENSOR USED TO CONTROL THE HVAC EQUIPMENT SHALL BE SEPARATE FROM THE OCCUPANCY SENSOR USED TO CONTROL THE LIGHTING SYSTEM. THIS SENSOR MAY BE INTEGRATED INTO THE THERMOSTAT OR MAY BE A SEPARATE DEVICE.

	IDENTIFICATION STAMP
	DIV. OF THE STATE ARCHITECT
	APP: 02-122159 INC: REVIEWED FOR
	SS 🗹 FLS 🗹 ACS 🗹
	DATE: <u>02/27/2024</u>
	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:
	SYLVAN USD
	SYLVAN E.S.
	(2) 24' x 40'
ļ	CLASSROOM BUILDINGS
ļ	SHEET TITLE:
	MECHANICAL PLAN
	WALL MOUNT
ļ	24' x 40'
	REVISIONS
	PRE-CHECK (PC) DOCUMENT
	CODE: 2022 CBC A SEPARATE PROJECT APPLICATION
	FOR CONSTRUCTION IS REQUIRED
	IDENTIFICATION STAMP
	APP. 64-121999 INC.
	REVIEWED FOR
	DATE: 08/31/2023
	PC STATE AGENCY APPROVAL
	Silver Creek
	Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
	2830 BARRETT AVE PERRIS, CALIFORNIA 92571
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	2830 BARRETT AVE PERRIS, CALIFORNIA 92571
	2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
	2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
	2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211 MODULAR BUILDING DESIGN PROFESSIONAL
	2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
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