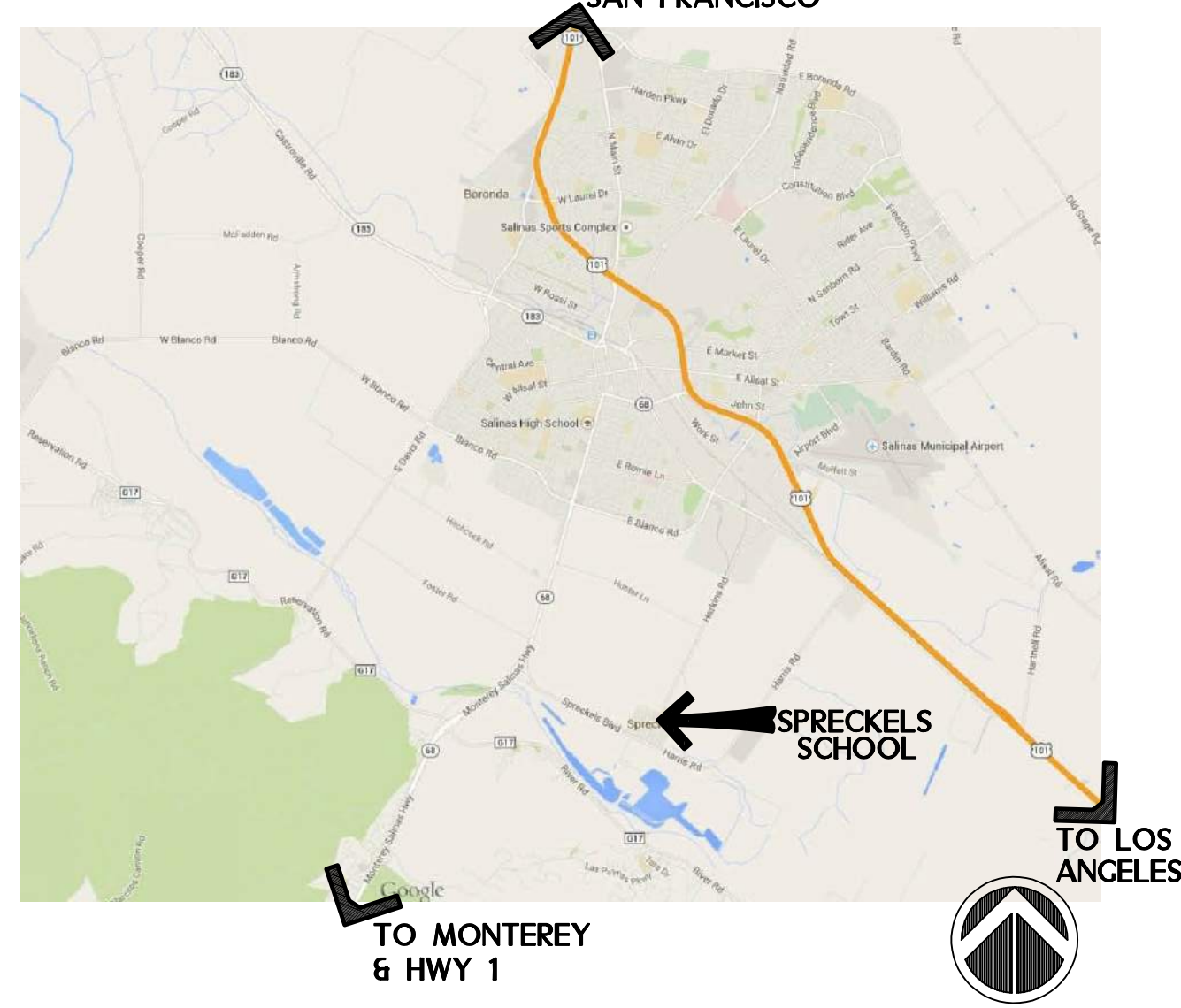
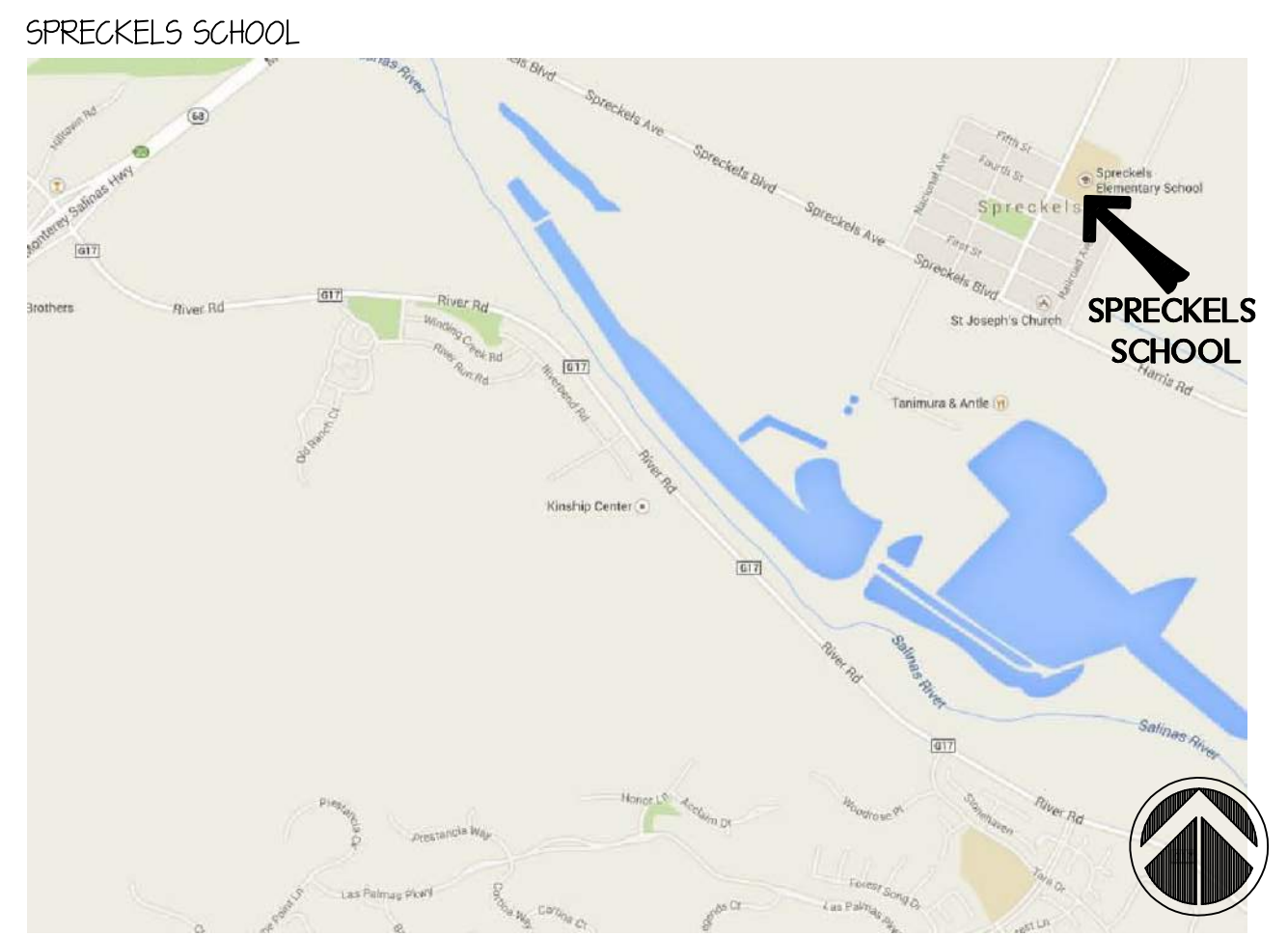


VICINITY MAP



LOCATION MAP



PROJECT DATA

- PROJECT: (N) 12x40 TOILET BLDGS J-6 AT SPRECKELS SCHOOL FOR THE SPRECKELS UNION SCHOOL DISTRICT
- LOCATION: 4TH & HATTON AVENUE, SPRECKELS, CALIFORNIA
- BUILDING ANALYSIS: SEE SITE PLAN
- CODES:
 - 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART I, TITLE 24 C.C.R.
 - 2019 CALIFORNIA BUILDING CODE, VOLUMES 1 & 2; PART 2, TITLE 24 C.C.R.
 - 2019 CALIFORNIA ELECTRICAL CODE; PART 3, TITLE 24 C.C.R.
 - 2019 CALIFORNIA MECHANICAL CODE; PART 4, TITLE 24 C.C.R.
 - 2019 CALIFORNIA PLUMBING CODE; PART 5, TITLE 24 C.C.R.
 - 2019 CALIFORNIA ENERGY CODE, PART 6
 - 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
 - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART II, TITLE 24, C.C.R.
 - 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
 - 2019 TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 - 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
 - 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)
- AMERICAN DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBILITY DESIGN
- ALL SECTION NUMBERS BELOW REFER TO GROUP I, CHAPTER 4, PART I, TITLE 24, C.C.R.
 - a. ADDENDA, CONSTRUCTION CHANGE DOCUMENTS PER SECTION 4-330.
 - b. INSPECTOR APPROVED BY DSA. PER SECTION 4-333(b) & 4-342.
 - c. TESTS AND TESTING LABORATORY PER SECT. 4-335.
 - d. SPECIAL INSPECTION PER SECT. 4-333(c).
 - e. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECT. 4-336 & 4-343(c).
 - f. ADMINISTRATION OF CONSTRUCTION PER PART I, TITLE 24, C.C.R. - DUTIES OF ARCHITECT, STRUCTURAL ENGINEER OR PROFESSIONAL ENGINEER PER SECT. 4-333(a) & 4-341.
 - g. GOVERNING CODES: TITLE 24
 - h. A COPY OF PART I - PART V OF TITLE 24 SHALL BE KEPT AVAILABLE IN THE FIELD DURING CONSTRUCTION.
 - i. DSA SHALL BE NOTIFIED OF START OF CONSTRUCTION PER SECT. 4-331.
 - j. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECT. 4-334.
 - k. CONTRACTOR, INSPECTOR, ARCHITECT AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART I, TITLE 24.
 - l. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART I, TITLE 24.
- ALL DEMOLITION AND CONSTRUCTION WORK SHALL COMPLY WITH CHAPTER 33 OF THE 2019 CBC AND CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION".
- GEOTECHNICAL REPORT: GEOTECHNICAL ENGINEERING AND GEOLOGIC HAZARDS REPORT SPRECKELS ELEMENTARY SCHOOL RESTROOM BUILDING BY EARTH SYSTEMS DATED AUGUST 27, 2021.

ABBREVIATIONS

- AB. ANCHOR BOLT
- ACC. ACCESSIBLE
- ADJ. ADJUSTABLE, ADJACENT
- A.F.F. ABOVE FINISHED FLOOR
- AP. ACCESS PANEL
- ARCH. ARCHITECT, ARCHITECTURAL
- BLKG. BLOCKING
- BM. BEAM
- B/B, BTM. BOTTOM
- BJR. BUILT-UP ROOF
- CL. CENTERLINE
- CL6. CEILING
- C.J. CONSTRUCTION JOINT
- CMT. CERAMIC MOSAIC TILE
- D. DEEP
- DET, DTL. DETAIL
- DEMO. DEMOLISH, DEMOLITION
- D.F. DOUGLAS FIR
- DN. DOWN
- DR. DOOR
- D.S. DOWNSPOUT
- E. EAST
- (E). EXISTING
- E.L. EXPANSION JOINT
- ELEC. ELECTRICAL
- EP. ELECTRICAL PANEL
- EQ. EQUAL
- E.S. EACH SIDE
- EXP. EXPANSION, EXPOSED
- F.B.O. FURNISHED BY OWNER
- F.E.C. FIRE EXTINGUISHER CABINET
- F.H. FIRE HYDRANT
- FL, FLR. FLOOR
- F.O. FACE OF
- F.O.S. FACE OF STUD
- GA. GAUGE
- G.C. GENERAL CONTRACTOR
- G.I. GALVANIZED IRON
- G.W.B. GYPSUM WALL BOARD
- GYP. BD. GYPSUM WALL BOARD
- G.W.T. GLAZED WALL TILE
- H. HIGH
- H.W.D. HARDWOOD
- H.M. HOLLOW METAL
- HT. HEIGHT
- INCL. INCLUDING
- I.B.C. INSTALL BY CONTRACTOR
- INSUL. INSULATION
- INV. INVERT
- JT. JOINT
- LAM. LAMINATE
- MAX. MAXIMUM
- M.B. MACHINE BOLT
- MECH. MECHANICAL
- MFR. MANUFACTURER
- MIN. MINIMUM
- MTL. METAL
- N. NORTH
- (N). NEW
- N.I.C. NOT IN CONTRACT
- N.T.S. NOT TO SCALE
- O. OVER
- O.C. ON CENTER
- O.C.E.M. ON CENTER EACH WAY
- P.A.F. POWDER ACTUATED FASTENER
- P.H. PANIC HARDWARE
- P.I.P. POURED IN PLACE
- PT. POINT
- P.T.D.F. PRESSURE TREATED DOUGLAS FIR
- PARTITION
- PTN. PARTITION
- RAD. RADIUS
- R.C.P. REFLECTED CEILING PLAN
- R.F. REINFORCING
- R.M. ROOM
- R.O. ROUGH OPENING
- S. SOUTH
- SAP. SUSPENDED ACQUIS. PANEL
- S.B. SOLID BLOCKING
- S.B.N. SURFACE BULLNOSE
- S.C. SOLID CORE
- S.S. STAINLESS STEEL
- SHTG. SHEATHING
- SIM. SIMILAR
- STRUC. STRUCTURAL
- SYM. SYMMETRICAL
- TEL. TELEPHONE
- T&G. TONGUE AND GROOVE
- THK. THICK
- T.O., T/ TYP. TOP OF
- TYP. TYPICAL
- U.O.N. UNLESS OTHERWISE NOTED
- V.A.T. VINYL ASBESTOS TILE
- V.B. VAPOR BARRIER
- V.C.T. VINYL COMPOSITION TILE
- V.F. VERIFY IN FIELD
- V.W.C. VINYL WALL COVERING
- W. WEST, WIDE
- W. WITH
- W/O. WITHOUT
- W.O. WHERE OCCURS
- W.W.F. WELDED WIRE FABRIC

LIST OF DRAWINGS (55 SHEETS TOTAL)

- ARCHITECTURAL**
- A0.1 TITLE SHEET
 - A1.1 OVERALL SITE PLAN
 - A1.1-ACS OVERALL SITE PLAN -ACS
 - A1.1-FLS OVERALL SITE PLAN -FLS
 - A1.2 PARTIAL SITE PLAN
 - A8.1 SITE DETAILS
- PLUMBING**
- PO.1 LEGEND, SCHEDULE AND NOTES - PLUMBING
 - PI.0 PART. SITE PLAN - PLUMBING
- ELECTRICAL**
- EO.1 SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX
 - E1.1 SINGLE LINE DIAGRAM & ELECTRICAL DETAILS
 - E2.1 PART. ELECTRICAL SITE PLAN
 - E3.1 ELECTRICAL DEMOLITION & POWER PLAN
 - E4.1 ELECTRICAL SPECIFICATIONS
- FIRE ALARM**
- FA.0 FIRE ALARM SYMBOLS, EQUIPMENT LIST, OPERATIONAL MATRIX, DETAILS & NOTES
 - FA.1 FIRE ALARM RISER DIAGRAM, BATTERY & VOLTAGE DROP CALCULATIONS
 - FA.3.1 FIRE ALARM PLAN
 - FA.4.1 FIRE ALARM SPECIFICATIONS
- 12X40 RESTROOM** (SILVER CREEK INDUSTRIES, INC. PG. 04-119218)
- *A-0 COVER SHEET
 - *A-0A T&I FORMS
 - *A-0.0 BUILDING OPTIONS SCHEDULE
 - *A-0.1 SYMBOLS, LEGEND, ABBREVIATIONS & ADA SIGNAGE SCHEDULES
 - *A-0.2 SCHEDULES
 - *A-0.6A CERTIFICATE OF COMPLIANCE FORMS
 - *A-0.6B CERTIFICATE OF COMPLIANCE FORMS
 - *A-0.6C CERTIFICATE OF COMPLIANCE FORMS
 - *A-0.7 ENERGY MANDATORY MEASURES & CAL GREEN SPECS
 - *A-1.01 FLOOR PLAN
 - *A-2.01 REFLECTED CEILING PLAN
 - *A-2.20 CEILING DETAILS, T-GRID
 - *A-3.01 ROOF PLAN
 - *A-3.50 ROOF DETAILS
 - *A-4.01 EXTERIOR ELEVATIONS
 - *A-5.01 CROSS SECTION
 - *A-5.05 CROSS SECTION
 - *A-5.50 ARCHITECTURAL DETAILS
 - *A-5.10 ARCHITECTURAL DETAILS
 - *A-5.81 ARCHITECTURAL DETAILS
 - *A-6.03 INTERIOR ELEVATIONS
 - *F-2.01 CONCRETE FOUNDATION PLAN
 - *F-2.50 CONCRETE FOUNDATION DETAILS
 - *F-2.51 FOUNDATION DETAILS
 - *S-0.1 STRUCTURAL SPECIFICATIONS
 - *S-1.01 FLOOR FRAMING PLAN
 - *S-1.50 FLOOR FRAMING DETAILS
 - *S-2.01 ROOF FRAMING PLAN
 - *S-2.50 ROOF FRAMING DETAILS
 - *S-2.60 ROOF FRAMING DETAILS
 - *S-3.01 BUILDING SECTIONS
 - *S-5.00 FRAMING ELEVATIONS
 - *S-5.10 WALL FRAMING DETAILS
 - *S-5.11 WALL FRAMING DETAILS
 - *P-1.01E PLUMBING PLAN
 - *P-2.01 PLUMBING DETAILS & SCHEDULE
 - *M-0.1 MECHANICAL NOTES, SCHEDULE & DETAILS
 - *E-1.01 ELECTRICAL PLAN AND SCHEDULE

NEW TOILET BUILDING AT SPRECKELS SCHOOL

4TH & HATTON AVENUE, SPRECKELS, CA

OWNER

SPRECKELS UNION SCHOOL DISTRICT
ERIC TARALLO, SUPERINTENDENT

ARCHITECT

KASAVAN ARCHITECTS
60 W. MARKET STREET, SUITE 300
SALINAS, CALIFORNIA 93901
831.424.2232

MECHANICAL/PLUMBING

AXIOM ENGINEERS
22 LOWER RAGSDALE DR., SUITE A
MONTEREY, CALIFORNIA 93940
831.649.8000

ELECTRICAL/FIRE ALARM

AURUM CONSULTING ENGINEERS
404 W. FRANKLIN STREET, SUITE 100
MONTEREY, CALIFORNIA 93940
831.646.3330

PTN: 66225-10
DSA APPL. NO.: 01-119869
FILE NO.: 27-54

STATEMENT OF GENERAL CONFORMANCE

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

APPLICATION NO. 01-119869 FILE NO. 27-54

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR SHEET INDEX, AND MARKED WITH AN ASTERISK (*)

THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

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

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

THE STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSIDERED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 11302 AND 81830 P.T.E EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF THE TITLE 24, PART I (TITLE 24, PART I, SECTION 4-311b)

I FIND THAT: ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR SHEET INDEX, AND MARKED WITH AN ASTERISK (*)

THIS DRAWING OR PAGE

IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND HAS/HAVE BEEN COORDINATED W/ THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHANGE

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

SIGNATURE: PETER J. KASAVAN, FAIA DATE: 11/17/2021

PRINT NAME: PETER J. KASAVAN, FAIA DATE: 3/31/23

LICENSE NUMBER: C-14814 EXPIRATION DATE: 3/31/23

SIGNATURE: DATE: PRINT NAME: LICENSE NUMBER: EXPIRATION DATE:

- GENERAL NOTES:**
- SCOPE OF WORK:
 - DEMOLITION OF (E) 12x40 TOILET BUILDING & RAMPS
 - NEW 12x40 TOILET BUILDING ON CONCRETE FOUNDATION (PG 04-119218)
 - ASSOCIATED SITE WORK, PLUMBING, ELECTRICAL, FIRE ALARM
 - PROJECT DOES NOT INCLUDE ASBESTOS ABATEMENT.
 - ALL WORK INDICATED IS INCLUDED IN THE BASE BID U.O.N.
 - ALTERNATES: NONE
 - DEFERRED APPROVAL: NONE
 - DEMOLITION SHALL NOT COMMENCE UNTIL PLANS ARE APPROVED BY DSA.

- NOTE TO BIDDERS:**
- THIS PROJECT IS DIVIDED INTO 2 PARTS:
 - WORK BY SILVER CREEK INDUSTRIES, INC. (SCI). SEE BELOW
 - ALL OTHER WORK. SEE BELOW
 - DO NOT INCLUDE ANY WORK BY SCI IN YOUR BID. SEE SCI DRAWINGS FOR THEIR SCOPE. SCI WILL WORK DIRECTLY FOR THE OWNER.
 - ALL OTHER WORK SHALL BE INCLUDED IN YOUR BID. SEE PROJECT MANUAL.
 - SCOPE OF WORK IN THIS BID INCLUDES:
 - SITE PREPARATION
 - SITE UTILITIES
 - SITE IMPROVEMENTS
 - SELECT ELECTRICAL ON & INSIDE THE SCI BUILDING.
 - DEMOLITION OF EXISTING TOILET BUILDING.
 - THIS SET USES THE FOLLOWING TERMS:
 - MODULAR BUILDING CONTRACTOR = SILVER CREEK INDUSTRIES, INC. (SCI)
 - SITE CONTRACTOR = CONTRACTOR PERFORMING ALL WORK IN THESE DOCUMENTS, EXCEPT THE SCI SCOPE.

DSA APPROVAL

KASAVAN ARCHITECTS

60 W. Market St., Suite 300 Salinas, California 93901
Voice 831.424.2232 Fax 831.424.2501

CONSULTANTS

NO.	DESCRIPTION	DATE

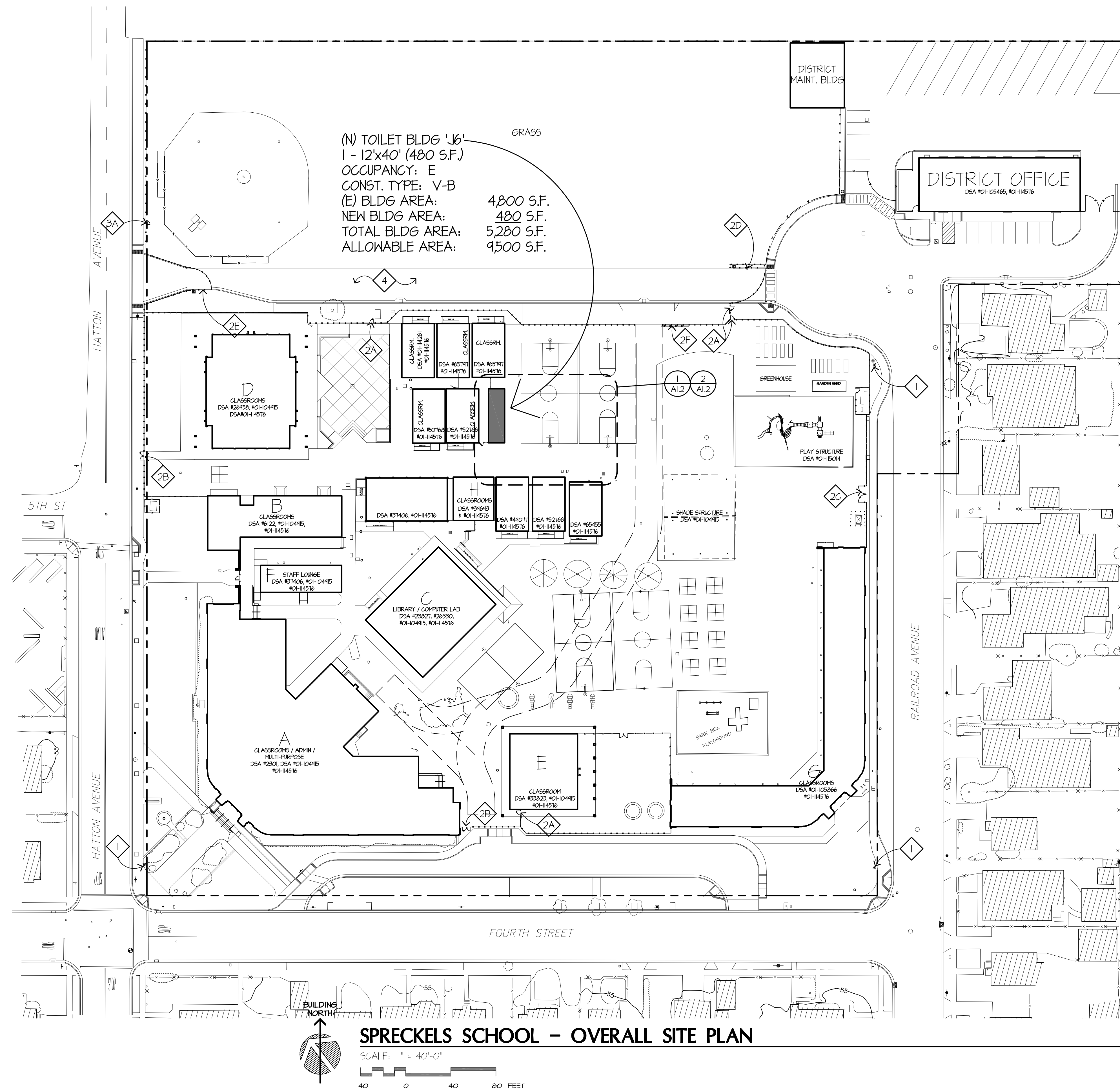
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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
AT
SPRECKELS SCHOOL
4TH & HATTON AVENUE, SPRECKELS, CA

TITLE SHEET

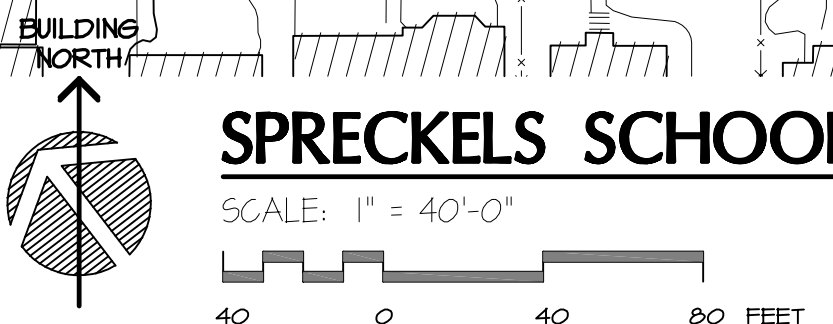
SHEET NUMBER
A0.1

DATE: 18 NOVEMBER 2021
JOB: 2101 DRAWN: CADD



(N) TOILET BLDG 'J6'
 1 - 12'x40' (480 S.F.)
 OCCUPANCY: E
 CONST. TYPE: V-B
 (E) BLDG AREA: 4,800 S.F.
 NEW BLDG AREA: 480 S.F.
 TOTAL BLDG AREA: 5,280 S.F.
 ALLOWABLE AREA: 9,500 S.F.

SPRECKELS SCHOOL - OVERALL SITE PLAN



GENERAL NOTES

1. EVERYTHING SHOWN IS (E), NO CHANGE, U.O.N.
2. SEE SHTS INDICATED AND PLUMBING, ELECTRICAL, MODULAR MFR DWGS, ETC. FOR COMPLETE SCOPE OF WORK.
3. MODULAR BLDG MFR/CONTRACTOR & SITE CONTRACTOR SHALL COORDINATE THEIR RESPECTIVE ACTIVITIES, SEE SEQUENCE OF CONSTRUCTION BELOW.
4. ALL WORK OUTSIDE CONSTRUCTION FENCE MUST BE SCHEDULED IN ADVANCE WITH OWNER'S APPROVAL.
5. VERIFY ALL (E) CONDITIONS IN THE FIELD & REPORT IN WRITING TO THE ARCHITECT IF YOU FIND ANYTHING THAT DEVIATES FROM THE DRAWINGS.
6. SITE ACCESSIBILITY, SEE SHEET A.II-ACS.
7. BUILDING ANALYSIS, SEE SHT A.II-FLS.
8. THE (E) SOURCE OF ELECTRICAL POWER IS ADEQUATE FOR THE REQ'TS OF THE NEW CONSTRUCTION, SEE ELECT. DWGS.
9. FIRE ALARM: SEE FIRE ALARM DWGS.
10. FLOOD HAZARD AREAS:
 - FLOOD ZONE DESIGNATION: ZONE X
 - FLOOD INSURANCE RATE MAP (FIRM) PANEL DESIGNATION: 06053C02196
 - EFFECTIVE DATE OF THE FIRM: APRIL 2, 2009
 - BASE FLOOD ELEVATION: NONE
 - AS DEFINED BY FEMA: Areas of 2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and area protected by levees from 1% annual chance flood.

KEYED NOTES

- 1 (E) FIRE HYDRANT, NO CHANGE.
- 2 (E) GATES, DSA#01-114576, NO CHANGE.
 - A. 3'-0" W. SINGLE GATE
 - B. 6'-0" W. DOUBLE GATE
 - C. 12'-0" W. DOUBLE VEHICLE GATE
 - D. 21'-0" W. SINGLE VEHICLE GATE
 - E. 16'-0" W. SINGLE VEHICLE GATE
 - F. 20'-0" W. ROLLING GATE
- 3 (E) CHAINLINK GATES, DSA #01-114576, NO CHANGE.
 - A. 3'-0" W. SINGLE GATE
- 4 (E) ONE-WAY BUS DRIVEWAY, DSA #01-114576, NO CHANGE.

LEGEND

- FIRE HYDRANT
- (N) 12x40 TOILET BUILDING, SEE MFR. DWGS.

SEQUENCE OF CONSTRUCTION

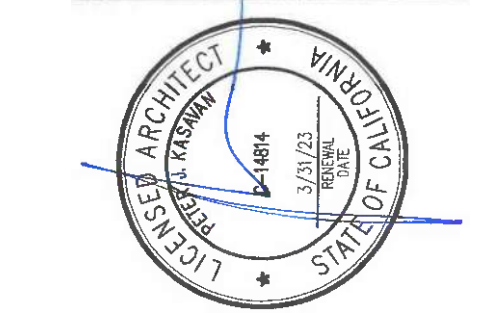
FOR MODULAR BLDGS (NOTE: THIS IS A SUMMARY, NOT ALL TASKS ARE LISTED)

1. SITE CONTRACTOR DEMO'S THE (E) BUILDING & PREPARES THE BUILDING PAD.
2. SITE CONTRACTOR EXCAVATES THE FOUNDATION CRAWL SPACE AS REQUIRED PLUS 3 FEET PAST THE PERIMETER OF ALL FOUR SIDES, SEE GEOTECH REPORT.
3. MODULAR MFR DIGS THE FOUNDATIONS AND FOOTINGS.
4. MODULAR MFR FORMS & POURS ALL BLDG FOUNDATIONS, VENTS, VENT ACCESS, VAPOR RETARDER, SLURRY SLAB, ETC.
5. MODULAR MFR INSTALLS BLDG.
6. SITE CONTRACTOR COMPLETES UTILITY WORK TO BLDG, U.O.N. AND INSTALLS SELECT ELECTRICAL & LOW VOLTAGE SYSTEMS INSIDE BLDGS BEFORE BLDGS ARE COMPLETE.
7. SITE CONTRACTOR BACKFILLS ALL FOUNDATIONS.
8. MODULAR MFR. INSTALLS EXTERIOR BLDG FINISHES AS REQUIRED.
9. SITE CONTRACTOR INSTALLS SURFACE MOUNTED UTILITIES ON BLDG EXTERIOR AS REQUIRED, SEE ELECT. DWGS.
10. SITE CONTRACTOR COMPLETES ALL FLATWORK AROUND BLDG.
11. MODULAR MFR. INSTALLS FLOOR COVERING.
12. SITE CONTRACTOR COMPLETES SITE WORK & ANY WORK IN/ON BUILDINGS.

DSA APPROVAL

KASAVAN ARCHITECTS
 60 W. Market St., Suite 300
 Voice 831.424.2232

Seimas, California 93901
 Fax 831.424.2501



CONSULTANTS

NO.	DESCRIPTION	DATE

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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
OVERALL SITE PLAN

SHEET NUMBER
A1.1
 DATE: 10 NOVEMBER 2021
 JOB: 21011 DRAWN: GADD

PARKING TABULATION

LOT:	SPACES			TOTAL
	STANDARD	STANDARD ACCESSIBLE	VAN ACCESSIBLE	
DISTRICT OFFICE:	14	-	1	15
TOTAL # OF SPACES:				15

GENERAL NOTES

- EVERYTHING SHOWN IS (E) TO REMAIN U.O.N.
- DSA NOTE: THERE IS NO ON-SITE PARKING AT SPRECKELS SCHOOL. PARKING SHOWN AND INDICATED ON TABLE AT LEFT IS FOR THE DISTRICT OFFICE WHICH IS ON THE SAME SITE AS SPRECKELS SCHOOL.

KEYED NOTES

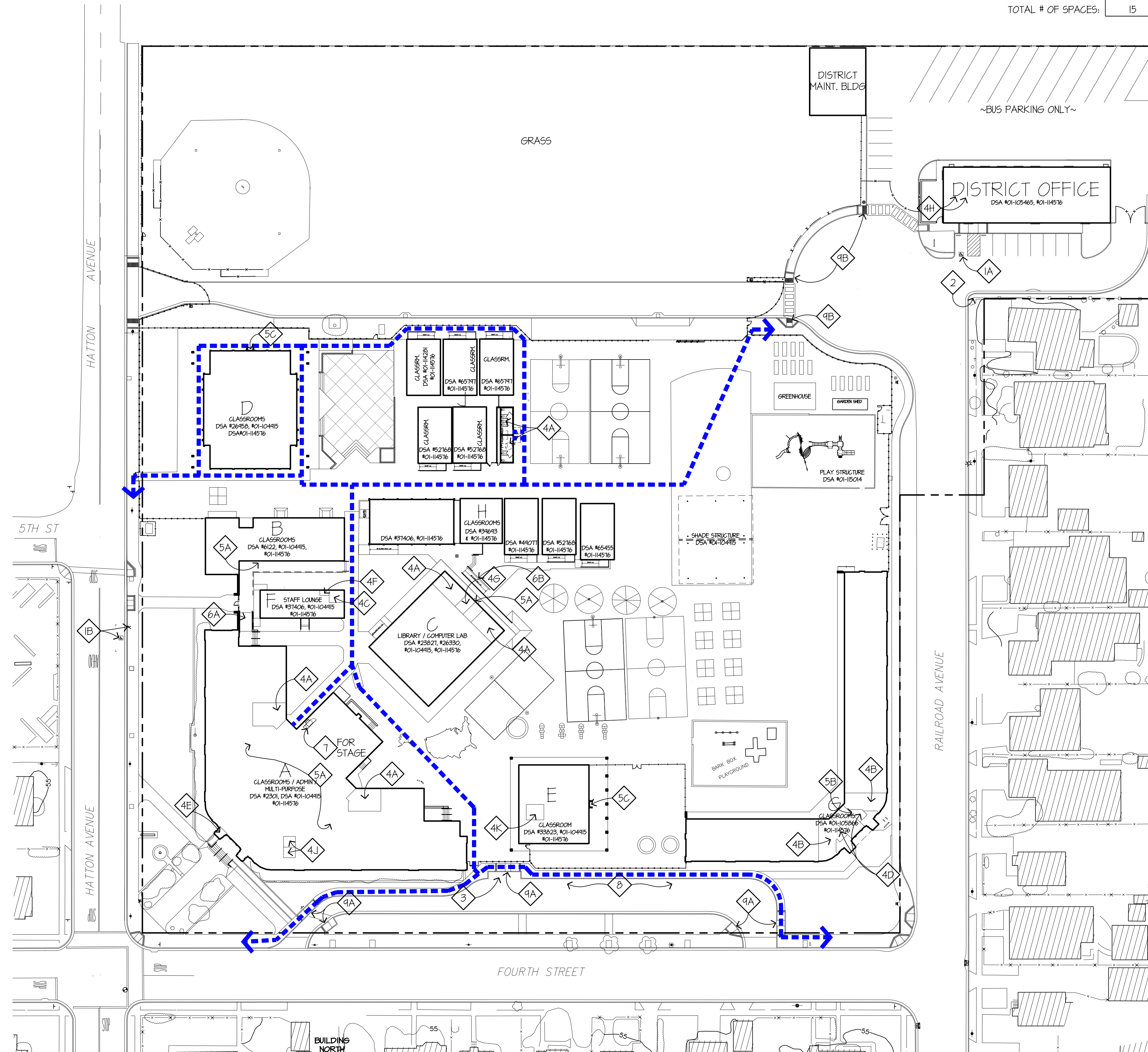
- 1 PARKING:
 - A. (E) VAN ACCESSIBLE PARKING, SIGNAGE, STRIPING, NO CHANGE, DSA #01-105465
 - B. (E) ACCESSIBLE PARKING & SIGNAGE, NO CHANGE, DSA #65455
- 2 (E) TOW-AWAY SIGN, NO CHANGE, DSA #01-105465
- 3 ACCESSIBLE DROP-OFF ZONE, NO CHANGE, DSA#01-104915
- 4 RESTROOMS
 - A. (N) STUDENT RESTROOM, THIS APPLICATION, SEE SHEET AI.2 & MFR'S DWGS.
 - B. (E) STUDENT RESTROOM, NO CHANGE. DSA#01-105866
 - C. (E) STAFF TOILET, NO CHANGE. DSA#01-104915
 - D. (E) STAFF TOILET, NO CHANGE. DSA#01-105866
 - E. (E) STAFF TOILET, NO CHANGE. DSA#2301
 - F. (E) STAFF TOILET, NO CHANGE. DSA#31406
 - G. (E) STAFF TOILET, NO CHANGE. DSA#26330
 - H. (E) STAFF TOILET, NO CHANGE. DSA#01-105465
 - J. HEALTH & ADMIN. TOILET, NO CHANGE. DSA#01-114576.
 - K. STUDENT TOILET, NO CHANGE. DSA#01-114576.
- 5 DRINKING FOUNTAINS
 - A. (E) DRINKING FOUNTAIN, NO CHANGE, DSA#01-104915
 - B. (E) DRINKING FOUNTAIN, NO CHANGE, DSA#01-105866
 - C. (E) DRINKING FOUNTAIN, NO CHANGE, DSA#01-114576.
- 6 SITE RAMP
 - A. (E) SITE RAMP, NO CHANGE. DSA #2301 & #01-114576
 - B. (E) SITE RAMP, NO CHANGE. DSA #01-114576
- 7 (E) WHEELCHAIR LIFT, NO CHANGE. DSA #01-104915
- 8 (E) DROP-OFF / LOADING ZONE, NO CHANGE, DSA #01-104915
- 9 CURB RAMP
 - A. (E) CURB RAMP, NO CHANGE, DSA#01-104915
 - B. (E) CURB RAMP, DSA#01-114576.

LEGEND

----- PATH OF TRAVEL (P.O.T.), AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/4" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

DSA PR 15-01: THE P.O.T IDENTIFIED, MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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



SPRECKELS SCHOOL - OVERALL SITE PLAN - ACS

SCALE: 1" = 40'-0"
 40 0 40 80 FEET

DSA APPROVAL

KASAVAN ARCHITECTS
 60 W. Market St., Suite 300
 Voice 831.424.2232
 Selmas, California 93901
 Fax 831.424.2501

CONSULTANTS

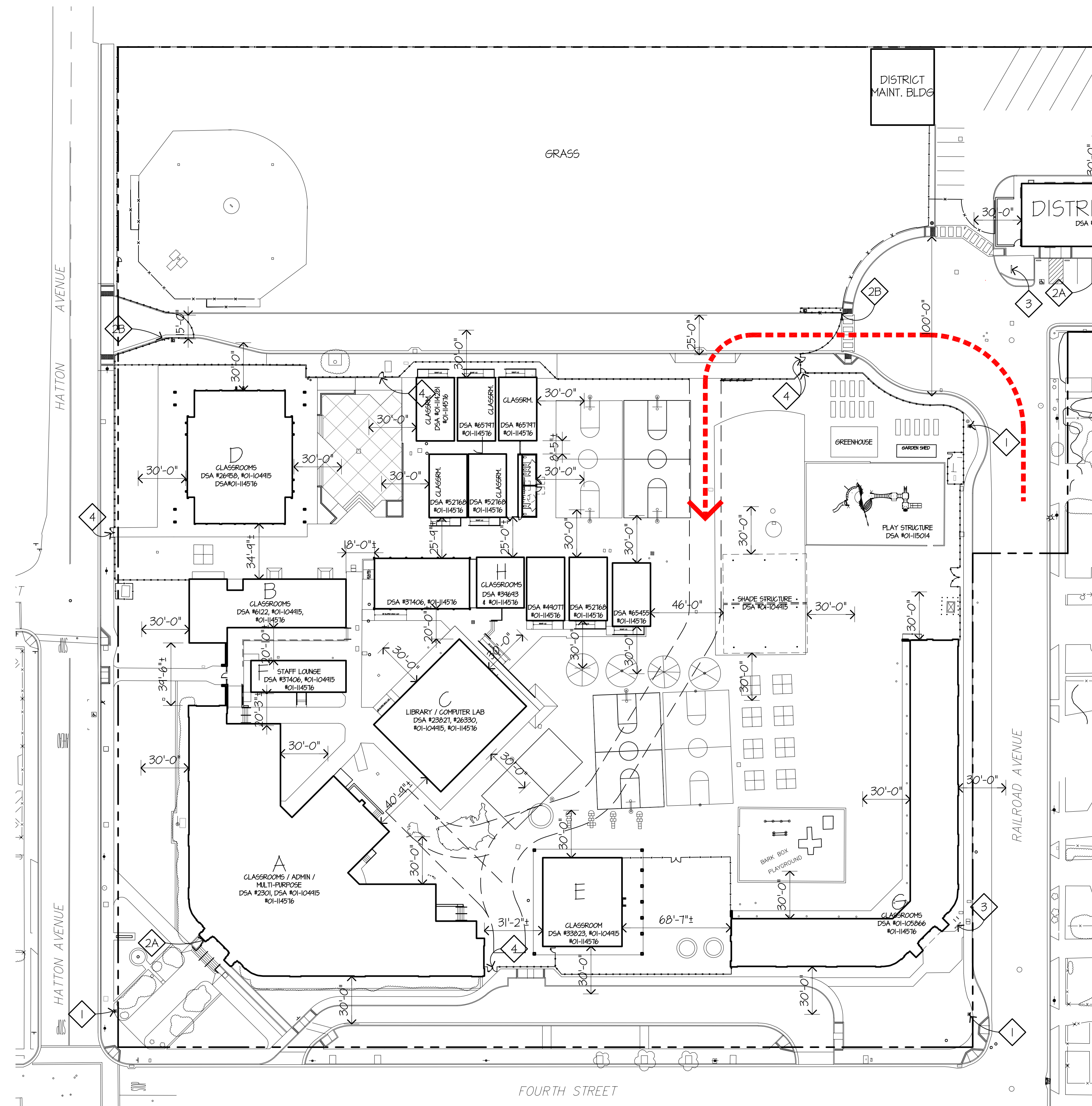
NO.	DESCRIPTION	DATE

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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
OVERALL SITE PLAN - ACS

SHEET NUMBER
A1.1-ACS

DATE: 10 NOVEMBER 2021
 JOB: 21011 DRAWN: GADD



LEGEND

- FIRE DEPARTMENT VEHICLE ROUTE (20' MIN. WIDE)
- ◇ (E) FIRE HYDRANT

GENERAL NOTES

1. EVERYTHING SHOWN IS (E) TO REMAIN U.O.N.
2. SEE SHEET A1.2 FOR GENERAL SITE PLAN.
3. ACCESSIBILITY, SEE SHT A1.2-ACS.

KEYED NOTES

- 1 (E) FIRE HYDRANT
- 2 KNOX BOX:
A. (E) WALL MOUNTED KNOX BOX, NO CHANGE.
B. (E) POST MOUNTED KNOX OVERRIDE KEY SWITCH.
- 3 (E) FIRE PROTECTION SYSTEM COMPONENTS, NO CHANGE.
- 4 (E) GATE W/ PANIC HARDWARE, DSA A#01-105465, NO CHANGE.

BUILDING ANALYSIS

BLDG. (STORY)	OCCUPANCY	CONST. TYPE	ACTUAL AREA PER FLR (SF)	BASIC (SF)	ALLOWABLE AREA ALLOW AREA INCREASE	TOTAL	REMARKS
DISTRICT OFFICE	B	V-B	4,800	36,000	NOT REQUIRED		FULLY SPRINKLERED
SPRECKELS SCHOOL:							
A (I)	E/A2.1	V-A	18,260	11,500	①	19,665	
B (I)	E	V-B	3,198	9,500	NOT REQUIRED	9,500	
C (I)	E	V-B	4,587	9,500	NOT REQUIRED	9,500	
D (I)	E	V-B	5,214	9,500	NOT REQUIRED	9,500	
E (I)	E	V-B	2,803	9,500	NOT REQUIRED	9,500	
F (I)	E	V-B	1,200	9,500	NOT REQUIRED	9,500	
G (I)	E	V-A	8,628	18,500	NOT REQUIRED	18,500	FULLY SPRINKLERED
H (I)	E	V-B	5,803	9,500	NOT REQUIRED	9,500	
J (I)	E	V-B	5,280	9,500	NOT REQUIRED	9,500	SEE BLDG J BELOW

NOTES:

① BLDG A:
AREA / OCCUPANCY:
 A-3: MULTI-PURPOSE = 3,868 SF
 E: CLASSROOMS = 14,242 SF
TOTAL AREA: = 18,260 SF
 IF = (F/P - 0.25) W/30 (CBC 506.2)

BASIC ALLOW. AREA / FLOOR:
 V-A: A-3 = 11,500 SF
 V-A: E = 18,500 SF

Area Calculations:
 $A_a = A_T + (A_T \times I_f) + (A_T \times I_s)$ (CBC 506.1)
 A-3: $A_a = 11,500 + (11,500 \times 0.1) + (11,500 \times 0) = 12,650$
 E: $A_a = 18,500 + (18,500 \times 0.1) + (18,500 \times 0) = 20,350$
TOTAL AREA: = 33,000 SF

BLDG.	F	P	W	I _f
A	147	164	2454	0.71

$W = (34' \times 20') + (113' \times 30') = 2454$
 IF = $(147/164 - 0.25) 2454/30 = 0.71$

BLDG J:
 J1 - CLASSROOM = 460 SF
 J2 - CLASSROOM = 460 SF
 J3 - CLASSROOM = 460 SF
 J4 - CLASSROOM = 460 SF
 J5 - CLASSROOM = 460 SF
 J6 - TOILET = 480 SF
TOTAL AREA: = 5,280 SF

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION

School District/Owner: Spreckels Union School District
 Project Name/School: Spreckels Elementary School
 Project Address: 4th Street & Hatton Avenue, Spreckels, CA

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.) Yes No

2. Was the fire hydrant water flow test performed as part of this LFA review? Yes No

3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.) Yes No

Refer to the following website for FHSZ locations: <http://open.fema.ca.gov/FHSZ/> Moderate High Very High

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.) WIFA

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: _____ Title: _____
 Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: _____
 LFA Review Official: _____
 Title: _____ Work Phone: _____
 Work Email: _____
 LFA Reviewer's Signature: _____ Date: _____

SPRECKELS SCHOOL - OVERALL SITE PLAN - FLS

SCALE: 1" = 40'-0"
 40 0 40 80 FEET

DSA APPROVAL

KASAVAN ARCHITECTS
 60 W. Market St., Suite 300
 Voice 831.424.2232
 Selmas, California 93901
 Fax 831.424.2501

CONSULTANTS

NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
OVERALL SITE PLAN - FLS

SHEET NUMBER
A1.1-FLS

DATE: 10 NOVEMBER 2021
 JOB: 21011 DRAWN: GADD

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4
 DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 4
 Xrefs: x:21011.BUR File name: U:\JOB5\21011\1

KEYED NOTES

- 1 (N) 12'x40' TOILET BUILDING ON CONCRETE FOUNDATION, SEE MFR. DWGS.
- 2 (N) 6' H. WOOD FENCE W/ WOOD FENCE BOARDS, SEE DTL.
A. 3' W. MAINTENANCE GATE W/ PADLOCK, MATCH FENCE.
- 3 (N) BUILDING FOUNDATION ACCESS/VENT, SEE MFR'S DWGS.
A. VENT, TYPE 'C'
B. ACCESS VENT, TYPE 'D'
- 4 (N) UNDER-FLOOR DRAIN LINE, CONNECT TO (E) CATCH BASIN.
- 5 (N) 6"Ø UNDER-FLOOR DRAIN LINE, CONNECT TO (E) CATCH BASIN.
- 6 (N) A.C. PAVING PATCH. SEE DTL. 4/A&I.
- 7 (N) CONG. MOW STRIP, SEE DTL. 2/A&I.

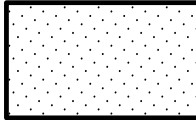
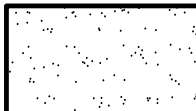
KEYED DEMO NOTES

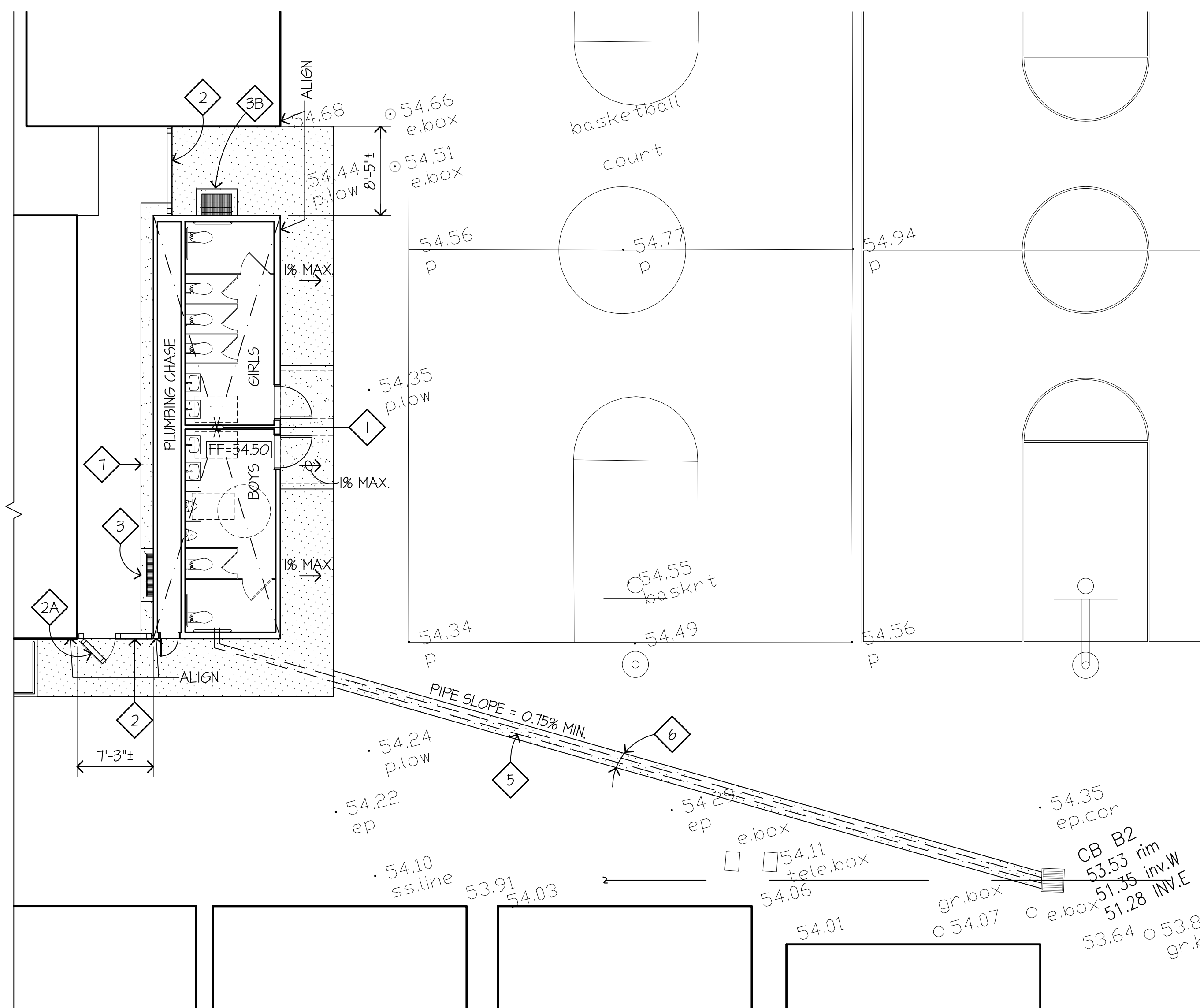
- D1 REMOVE WOOD FENCE, GATE, POSTS, ETC. IN WAY OF (N) WORK.
- D2 REMOVE DRINKING FOUNTAIN PEDESTAL, ASSOCIATED PIPING, PIPE RAILS & FOOTINGS, AND CONCRETE SLAB.
- D3 REMOVE TOILET BUILDING, PIPING, ELECT. WOOD FOUNDATION, ETC. IN WAY OF (N) WORK. SEE PLUMBING, ELECTRICAL DWGS FOR ADD'L INFO.
- D4 REMOVE PAVING, SUB BASE, ETC. IN WAY OF (N) WORK. SEE GEOTECH REPORT FOR REFERENCE. VERIFY LOCATIONS AND PROTECT IN-GRADE BOXES.
- D5 PREP SITE FOR (N) BLDG FOUNDATION, SEE GEOTECH REPORT.
- D6 SAWCUT & REMOVE A.C. PAVING, TRENCH FOR (N) DRAIN LINE.
- D7 (E) CATCH BASIN, TIE-IN (N) DRAIN LINE FROM BLDG UNDERFLOOR SPACE.

GENERAL NOTES

1. EVERYTHING SHOWN IS (E) TO REMAIN U.O.N.
2. SEE SHT A1.1 FOR OVERALL SITE PLAN.
3. SEE PLUMBING, ELECTRICAL & BLDG. MANUFACTURER'S DWGS FOR ASSOCIATED SCOPE OF WORK.
4. NO DEMOLITION ACTIVITIES SHALL BEGIN UNTIL PLANS ARE APPROVED BY DSA.
5. PATCH/REPAIR ALL SURFACES DISTURBED BY THE WORK OF THIS CONTRACT TO MATCH (E). SEE PLUMBING, ELECTRICAL FOR ADDITIONAL SITEMARKS.
6. SITE PATCHING AT (N) UTILITIES: VERIFY ALL ROUTINGS WITH ARCHITECT BEFORE PROCEEDING. ASSUME THE FOLLOWING:
 - AT A.C. PAVING: SAWCUT, REMOVE & PATCH TO SUIT TRENCH WIDTH.
 - AT CONG. PAVING: SAWCUT, REMOVE & REPLACE ENTIRE PANELS TO SUIT JOINT LAYOUT IN (E) WALK.

LEGEND

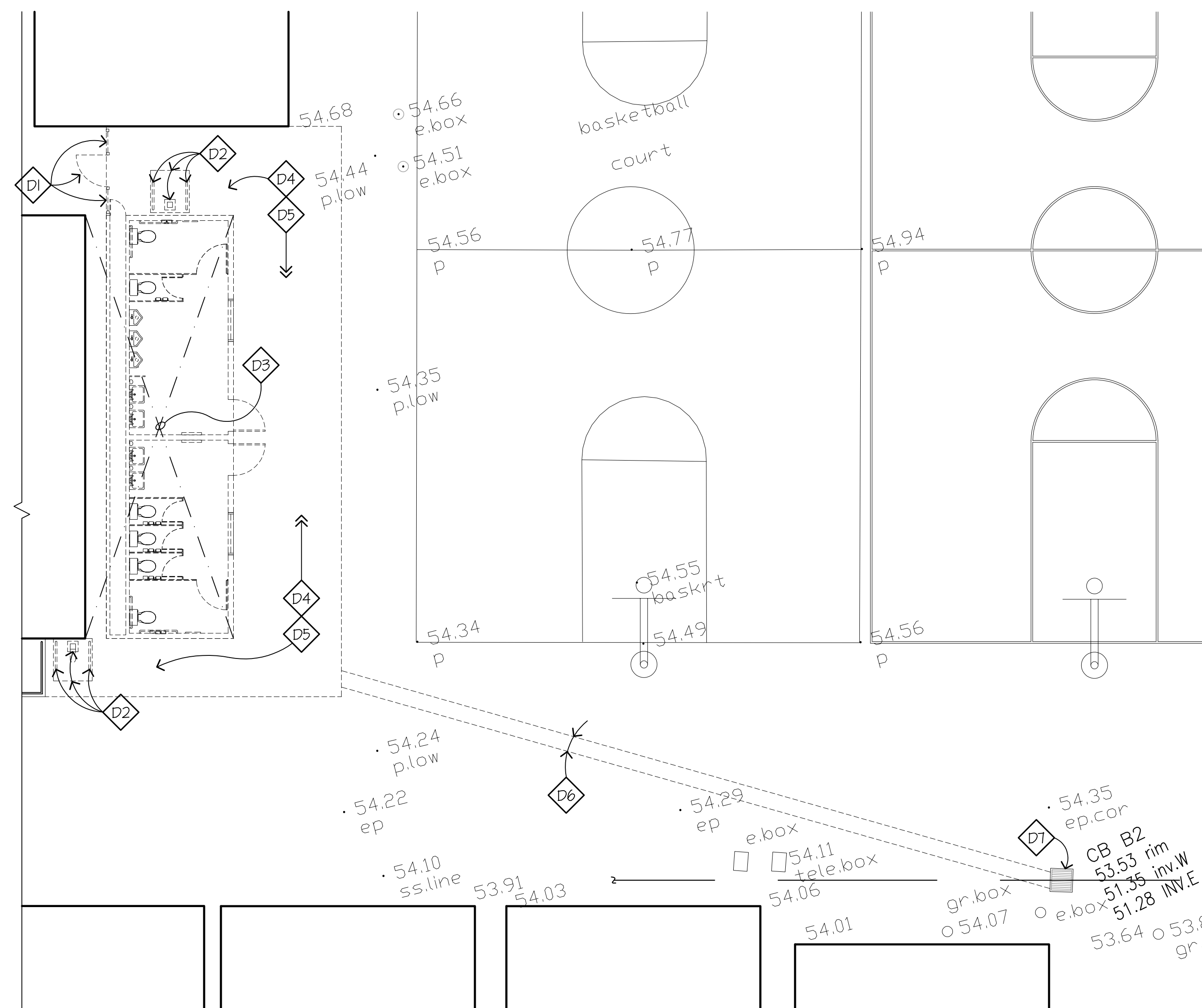
-  (N) A.C. PAVING
-  (N) CONCRETE WALK



PART. SITE PLAN - NEW

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

2



PART. SITE PLAN - DEMO

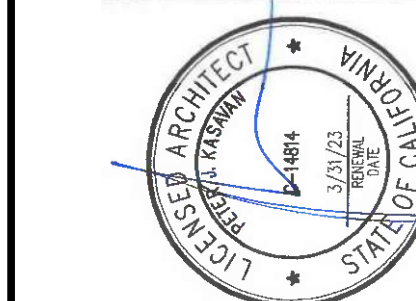
SCALE: 1/8" = 1'-0"

1

DSA APPROVAL

KASAVAN ARCHITECTS
60 W. Market St., Suite 300
Voice 831.424.2232

Seimas, California 93901
Fax 831.424.2501



CONSULTANTS

NO.	DESCRIPTION	DATE

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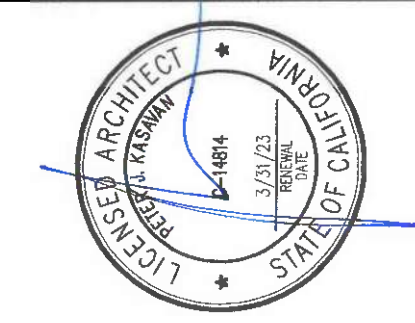
NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
AT
SPRECKELS SCHOOL
4TH & HATTON AVENUE, SPRECKELS, CA
PART. SITE PLANS - DEMO & NEW

SHEET NUMBER

A1.2

DATE: 10 NOVEMBER 2021

JOB	DRAWN
21011	GADD



CONSULTANTS

NO.	DESCRIPTION	DATE

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NEW STUDENT TOILET BLDG FOR:
SPECKELS UNION SCHOOL DISTRICT
AT
SPECKELS SCHOOL
4TH & HATTON AVENUE, SPECKELS, CA
SITE DETAILS

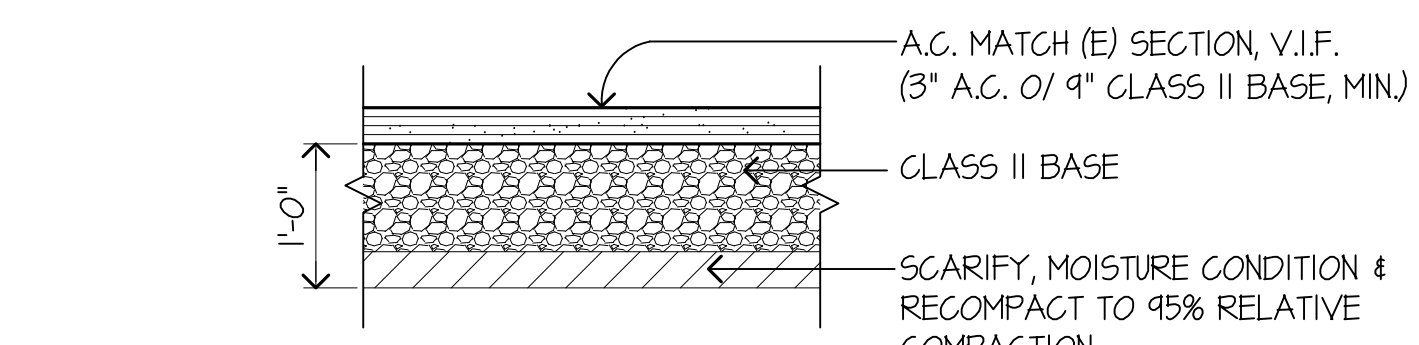
SHEET NUMBER
A8.1
DATE: 18 NOVEMBER 2021
JOB: 21011 DRAWN: CADD

GENERAL NOTES

- SITE CONTRACTOR SHALL PROVIDE SLEEVES FOR ALL PIPING AT BLDG FOUNDATIONS. SITE CONTRACTOR SHALL COORDINATE W/ MODULAR MFR FOR PLACEMENT OF SLEEVES DURING FORMWORK PHASE OF FOUNDATION WORK.

KEYED NOTES

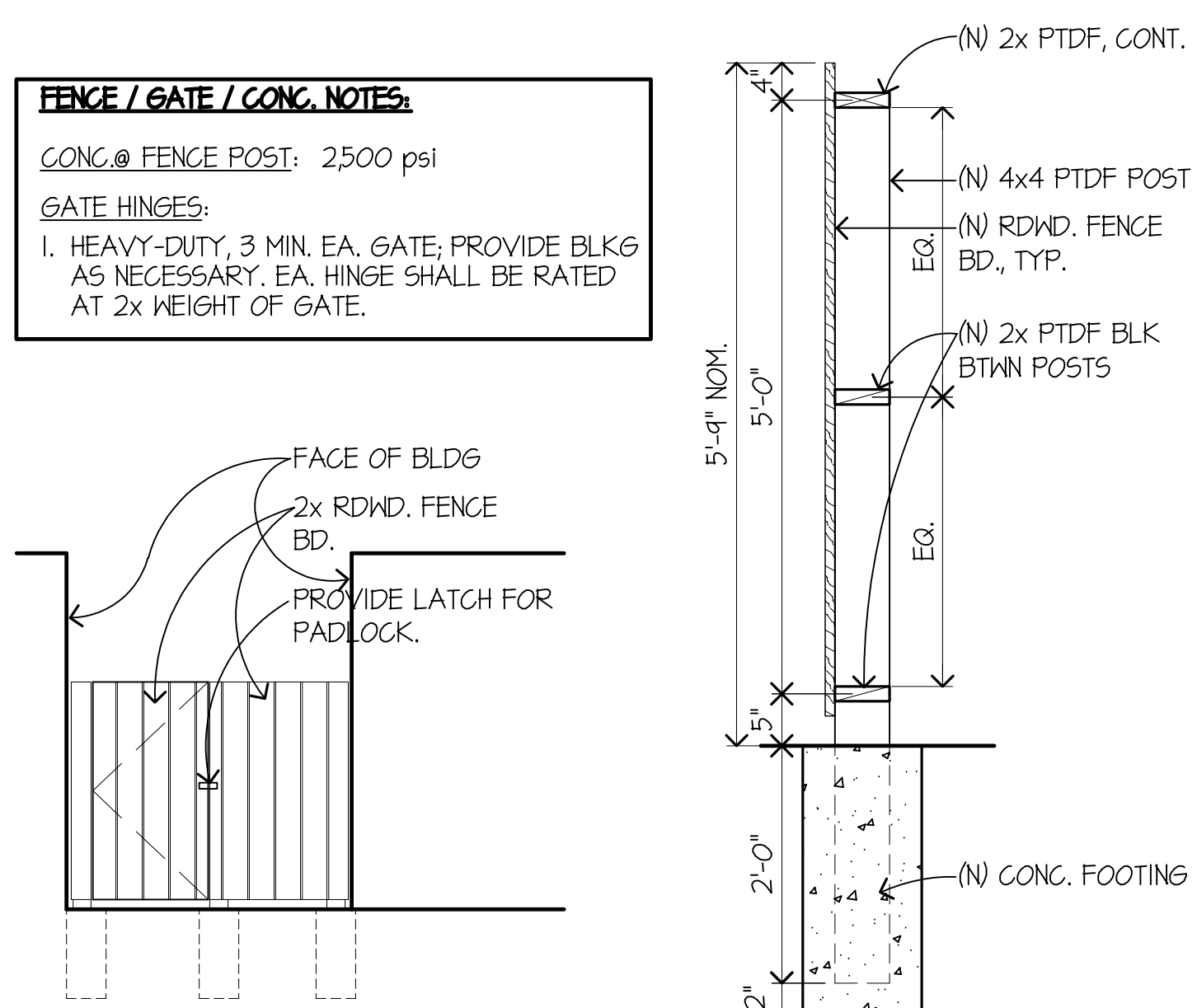
- (N) FOUNDATION ACCESS, BY MODULAR MFR.
- CRAWLSPACE, COORDINATE EXACT LAYOUT & DIMS. W/ MODULAR MFR. SEE MODULAR DWGS.
- (N) DRAIN PIPE IN FOUNDATION, BY SITE CONTR.
- (N) DRAIN PIPING, BY SITE CONTRACTOR.
- (N) 2" SLURRY SLAB BY MODULAR MFR. O/ PAD BY SITE CONTRACTOR.
- (N) COTG BY SITE CONTRACTOR
- (N) FOUNDATION VENTS, BY MODULAR MFR.



TYP. A.C. PAVING PATCH

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

FENCE / GATE / CONC. NOTES:
 CONC. @ FENCE POST: 2500 psi
 GATE HINGES:
 1. HEAVY-DUTY, 3 MIN. EA. GATE; PROVIDE BLKG AS NECESSARY. EA. HINGE SHALL BE RATED AT 2x WEIGHT OF GATE.



WEST ELEV. SIM. SOUTH ELEVATION .2

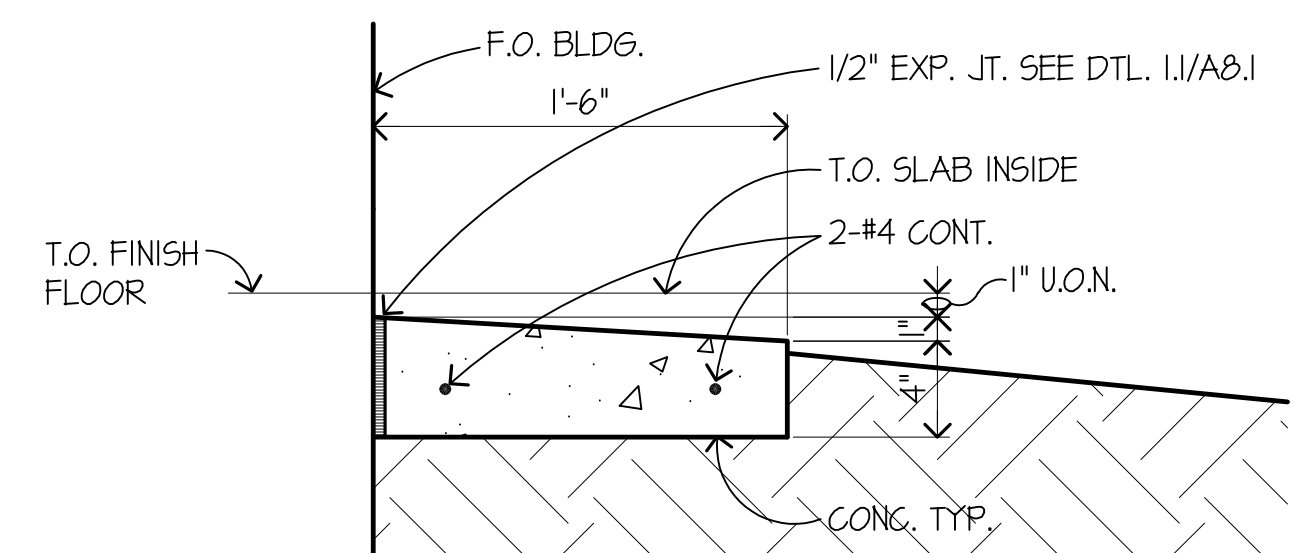
SCALE: 1/4" = 1'-0"

SECTION .1

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

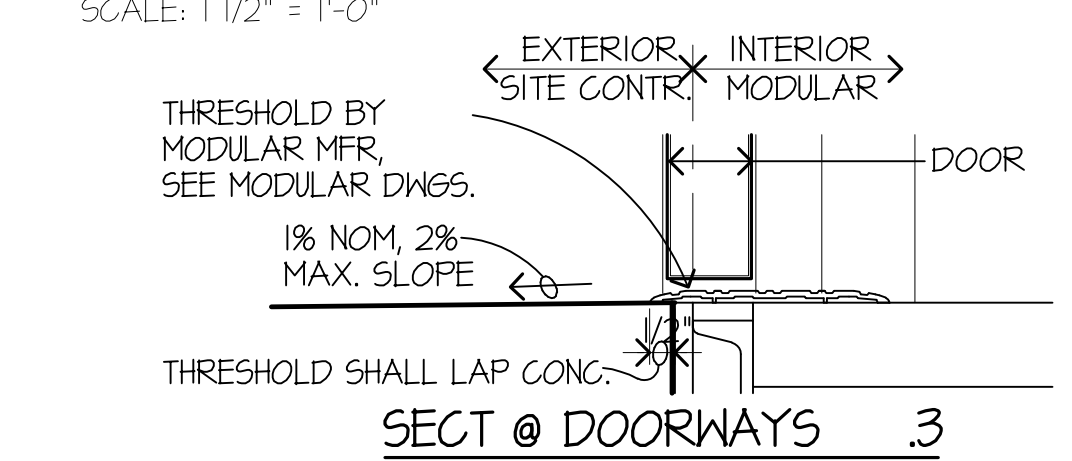
(N) WOOD FENCE

SCALE: AS NOTED

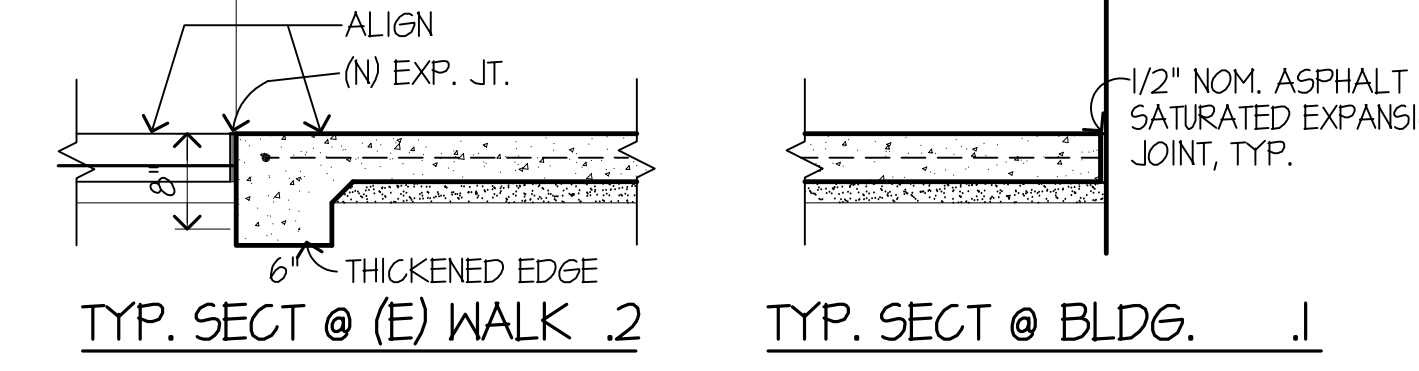


TYPICAL AT ALL LANDSCAPE AREAS ADJACENT TO BLDG. CONCRETE MOW STRIP

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



SECT @ DOORWAYS .3

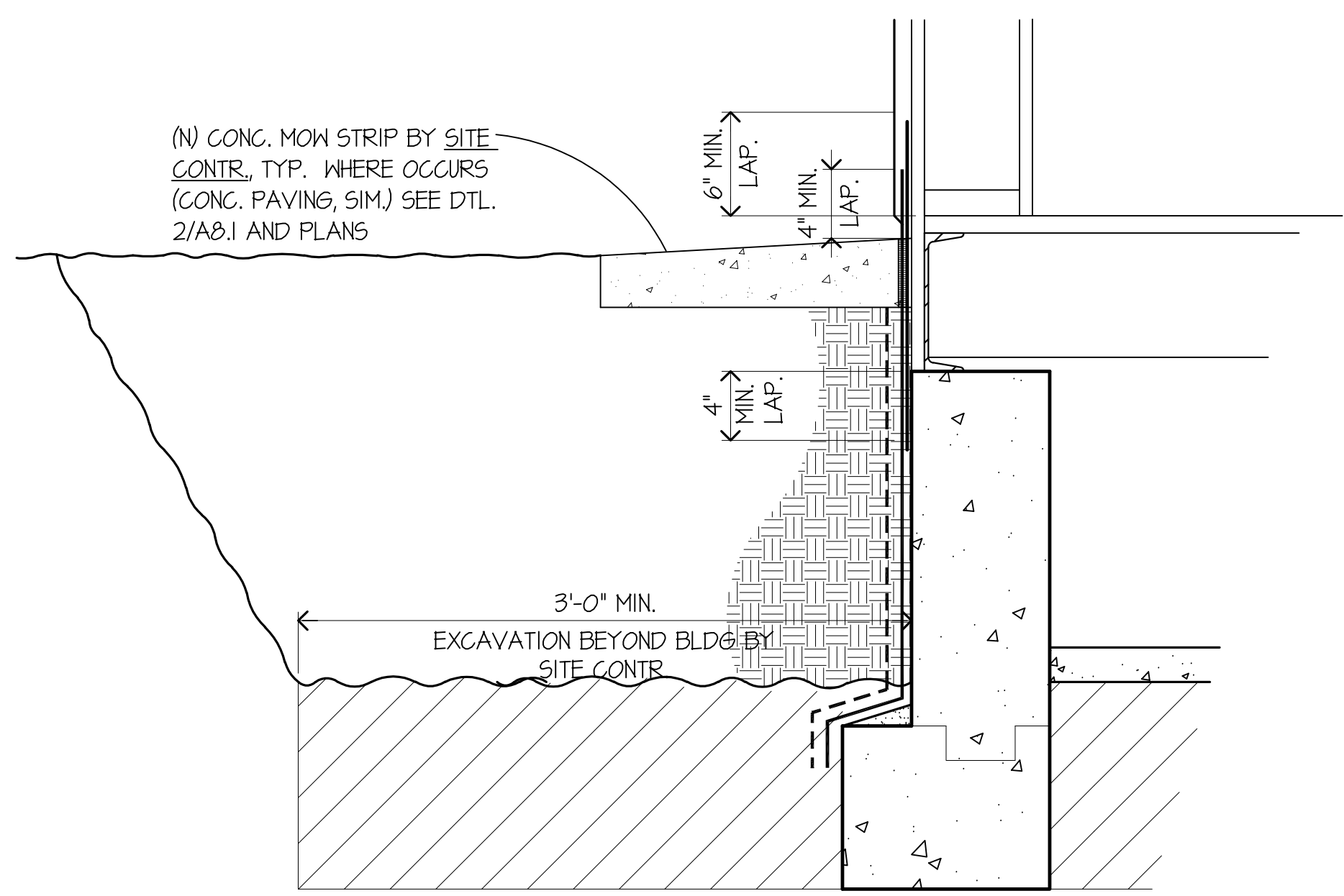


TYP. SECT @ (E) WALK .2

TYP. SECT @ BLDG. .1

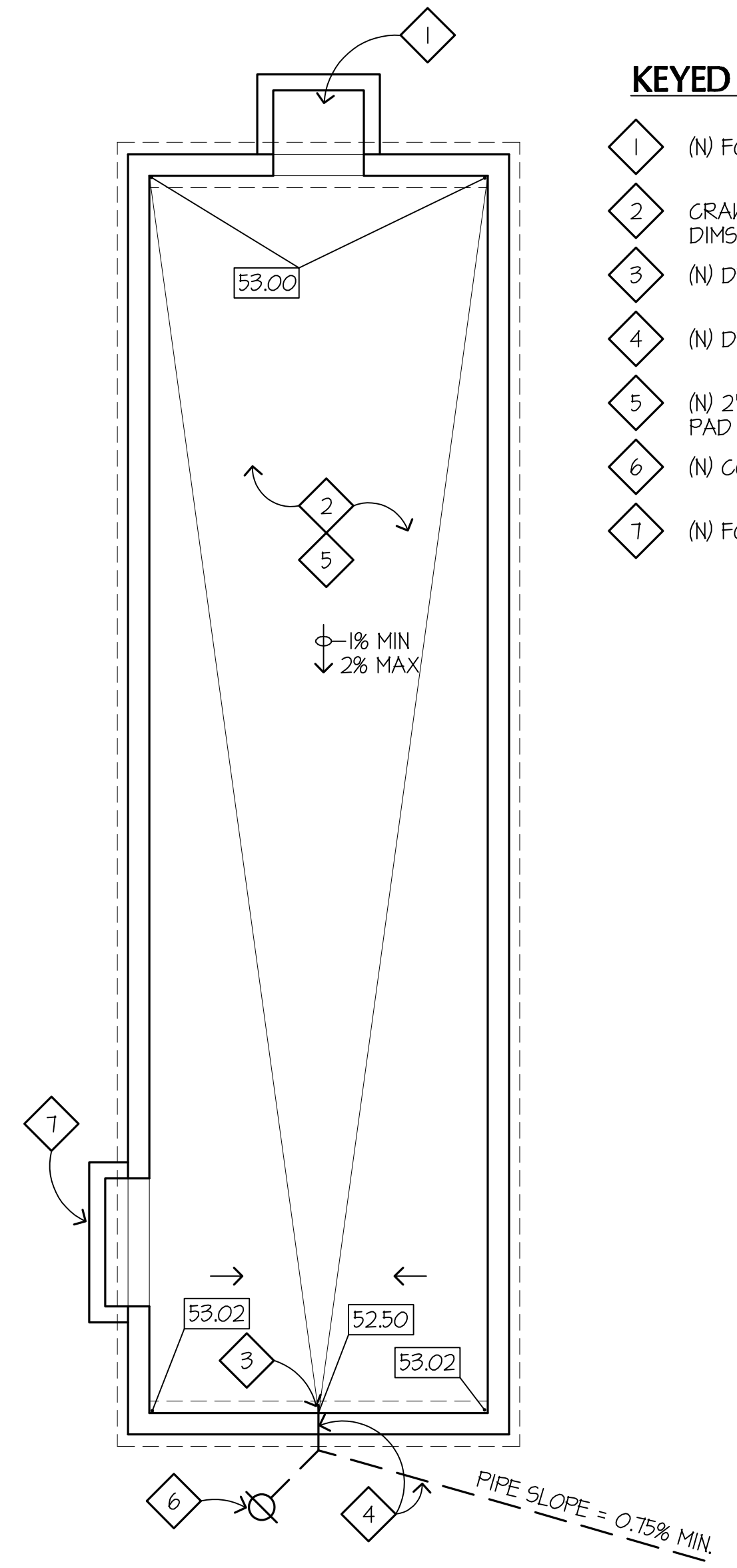
(N) CONC. WALK

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



FOR INFO NOT NOTED SEE 6.1 BELOW @ SIDE WALL

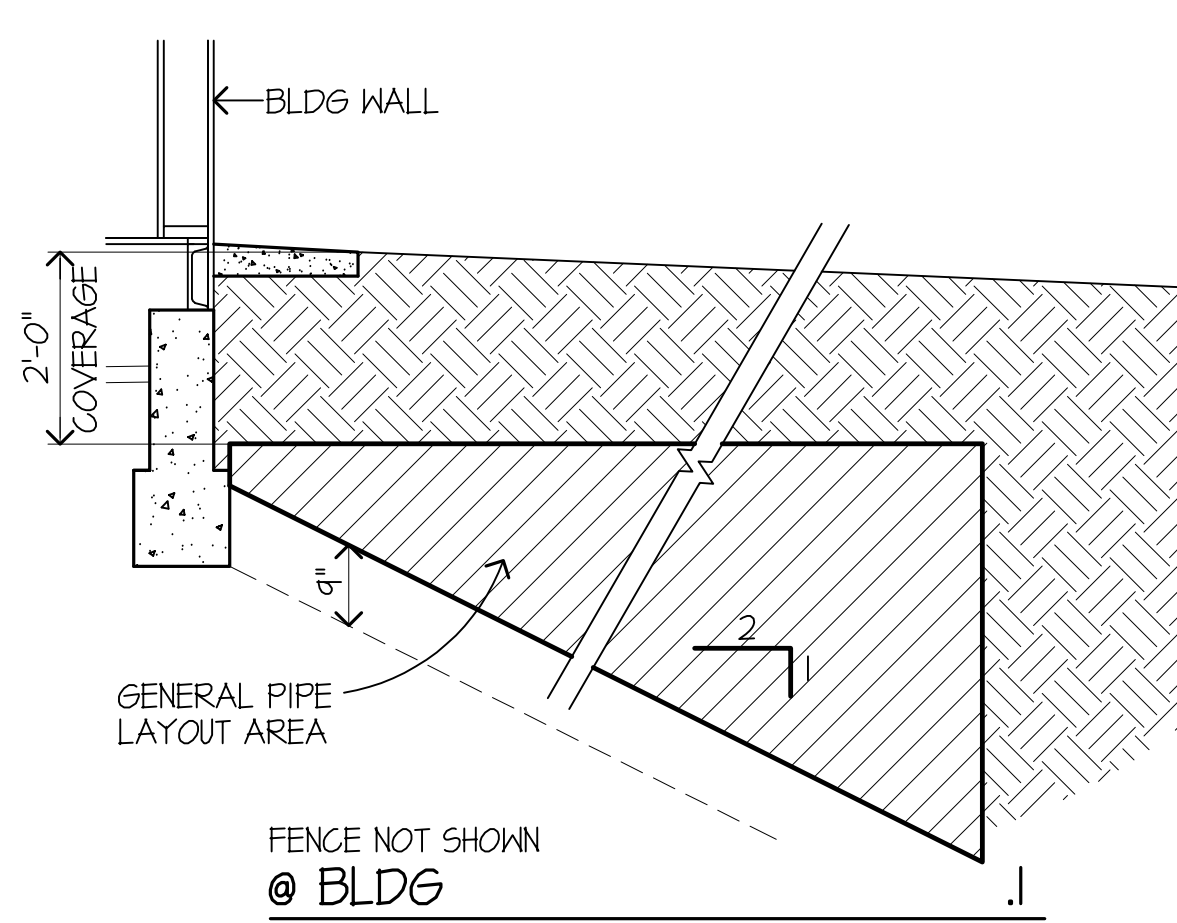
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UNDER-FLOOR DRAINAGE PLAN

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

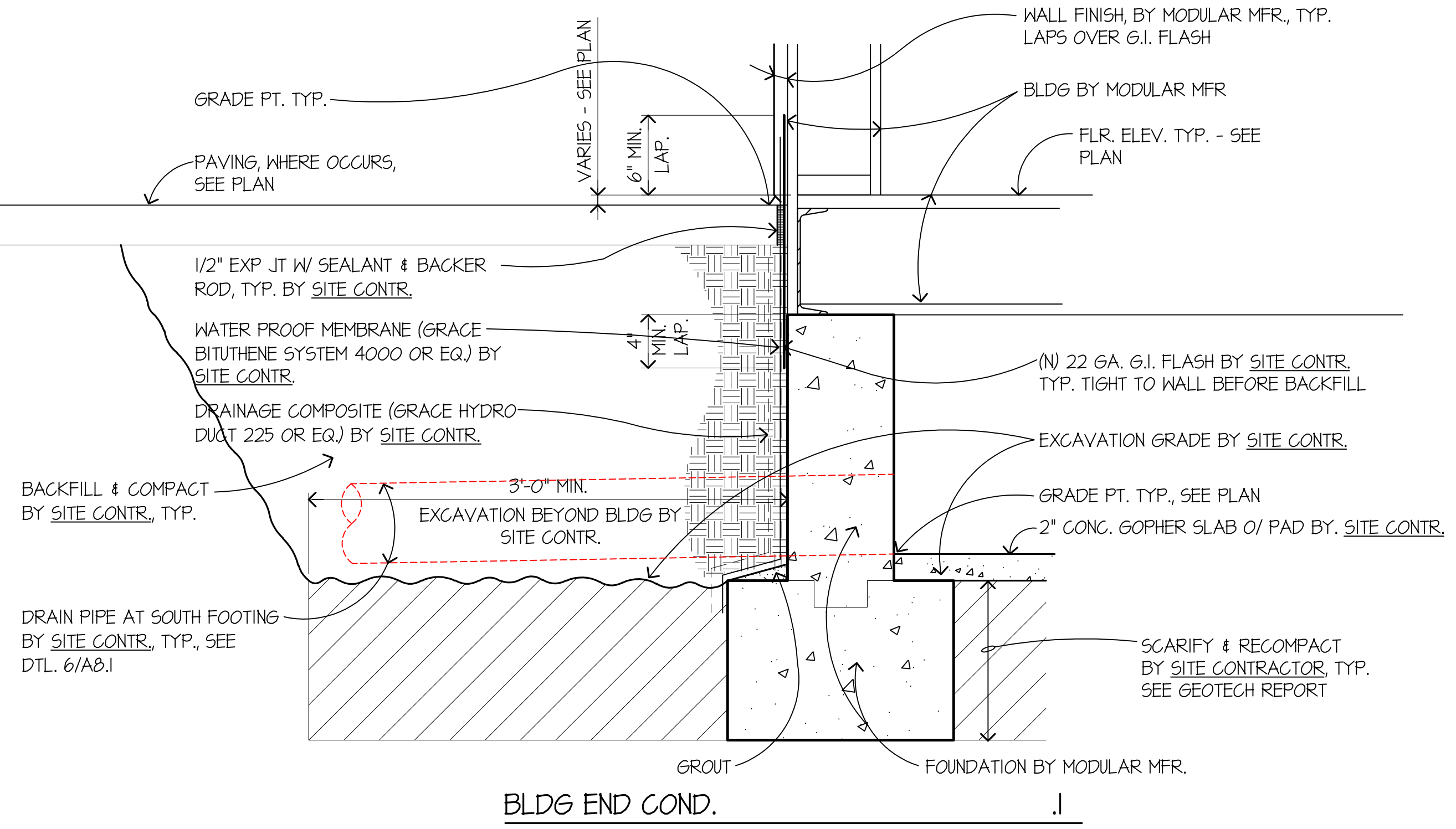
.6



PIPE ROUTING @ BLDGS.

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

.5



BLDG END COND. .1

NOTE: ALL WORK SHOWN BY SITE CONTR. EXCEPT WORK LABELED AS "BY MODULAR MFR" NOTE: SEE MODULAR MFR'S DWGS FOR FOOTING DEPTH

TYP. COND. @ BLDGS

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

.7

GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
- CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
- ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
- ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRED CIRCUITS IS NOT ALLOWED.
- COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- FROM ALL NEW FLUSH MOUNT PANELS; THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
- CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING CLOCK, DATA, AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.
- CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE OWNER.
- EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.

ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

	FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE		SECURITY DOOR CONTACTS		PANELBOARD - FLUSH MOUNTED		DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL
	EMERGENCY OR NIGHT LIGHT		SECURITY MOTION DETECTOR		EQUIPMENT PANEL - FLUSH MOUNTED PANELBOARD - SURFACE MOUNTED EQUIPMENT PANEL - SURFACE MOUNTED		DETAIL NUMBER DETAIL OR SECTION REFERENCE SHEET NUMBER
	STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE		CCTV CAMERA		METER W/ CURRENT TRANSFORMER		FEEDER DESIGNATION: SEE ASSOCIATED NOTE ON SAME DETAIL
	RECESSED WALL WASHER		SECURITY SYSTEM KEYPAD	ABBREVIATIONS			
	LUMINAIRE - RECESSED - SEE SCHEDULE		DOOR BELL PUSHBUTTON	A	AMPERE	GFCI	GROUND FAULT INTERRUPTING
	LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE		DOOR CHIME WITH LED	ALUMIAL	ALUMINUM ABOVE FINISHED FLOOR	GFI	GROUND
	LUMINAIRE - POLE OR POST MOUNTED - SEE SCHEDULE		RECEPTACLE - DUPLEX *	ARCH	ARCHITECT	GRS	GALVANIZED RIGID STEEL HEIGHT
	LUMINAIRE - WALL MOUNTED SEE SCHEDULE		GFCI CONVENIENCE RECEPTACLE - DUPLEX *	AWG	AMERICAN WIRE GAUGE	HT	INTERMEDIATE DISTRIBUTION FRAME
	BOLLARD OR PATH LIGHT - SEE SCHEDULE		GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT	BKR	BREAKER	IC	INTERCOM
	EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE		MAGNETIC STARTER - NEMA SIZE INDICATED NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED	C	CONDUIT	IDF	INTERMEDIATE DISTRIBUTION FRAME
	TRACK LIGHTING - SEE SCHEDULE		COMBINATION STARTER/FUSED DISCONNECT SWITCH; FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA	CATV	CABLE TV	INCAND	INCANDESCENT
	EMERGENCY LIGHT		FUSED DISCONNECT SWITCH; FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA	D	DIMMER	JB	JUNCTION BOX
	DIGITAL DUAL TECHNOLOGY OCC. SENSOR		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT	CTV	CLOSED CIRCUIT TV	KV	KILOVOLT
	LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED		RECEPTACLE - DOUBLE DUPLEX *	CL	CENTER LINE	KVA	KILOVOLT AMPERES
	DIMMER ROOM CONTROLLER		HALF SWITCHED DUPLEX RECEPTACLE *	CLG	CEILING CONDUIT ONLY	KW	KILOWATT
	PLUG LOAD CONTROLLER		SINGLE RECEPTACLE *	C.O.	CENTER	LCP	LIGHTING CONTROL PANEL
	ROOM LIGHTING CONTROLLER		DUPLEX RECEPTACLE - CEILING MOUNTED	CTR	CIRCUIT BREAKER	LTG	LIGHTING DIMMER
	LIGHTING CONTROL PANEL		LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE *	DIM	DIMENSION	LV	LOW VOLTAGE
	DIGITAL DAYLIGHT SENSOR		LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *	DIST	DISTRIBUTION	KCM	THOUSAND CIRCULAR MILS
	SINGLE POLE SWITCH **		FLOOR MOUNTED DUPLEX RECEPTACLE	(E)	EXISTING	EC	ELECTRICAL CONTRACTOR
	SINGLE POLE SWITCH ** a = CIRCUIT CONTROLLED		FLOOR MOUNTED BOX	(EL)	EVENING LIGHT	EM	EMERGENCY ELECTRICAL
	THREE WAY SWITCH **		POWER OUTLET - SEE PLANS FOR NEMA TYPE *	EMT	ELECTRICAL METALLIC TUBING	EMT	ELECTRICAL METALLIC TUBING
	FOUR WAY SWITCH **		POWER POLE	EQUIP	EQUIPMENT	EV	ELECTRICAL VEHICLE MOUNTED
	MANUAL MOTOR STARTER		WALL TELEPHONE OUTLET **	FA	FIRE ALARM	FACP	FIRE ALARM CONTROL PANEL
	KEY OPERATED SWITCH **		VOICE/DATA WALL OUTLET *	FIN	FINISH	FL	FLOOR
	LIGHTING DIMMER **		VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT	FLA	FULL LOAD AMPS	FLUOR	FLUORESCENT
	DIGITAL ON/OFF SWITCH **		SURFACE MOUNTED VOICE/DATA WALL OUTLET *	(F)	FUTURE	GC	GENERAL CONTRACTOR
	DIGITAL MULTI SCENE LIGHTING SWITCH **		SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT	GC	GENERAL CONTRACTOR		
	DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **		CAPPED OR STUB-OUT CONDUIT CONDUIT CONTINUATION				
	WALL OCCUPANCY SENSOR **		CONDUIT CONTINUATION				
	DOUBLE SWITCHED WALL OCCUPANCY SENSOR **		CONDUIT - HOME RUN TO PANEL TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.				
	DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **		CONDUIT - EXISTING				
	2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **		CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4" MIN.				
			INTERIOR SPEAKERS CEILING MOUNTED				
			INTERIOR SPEAKERS WALL MOUNTED				
			CLOCK +8-0° AFF U.O.N. VERIFY BEFORE INSTALLATION				
			SCHEDULE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET				

APPLICABLE CODES & STANDARDS

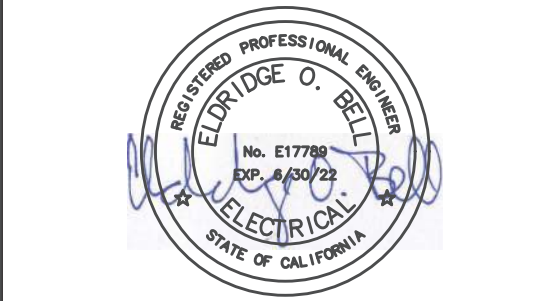
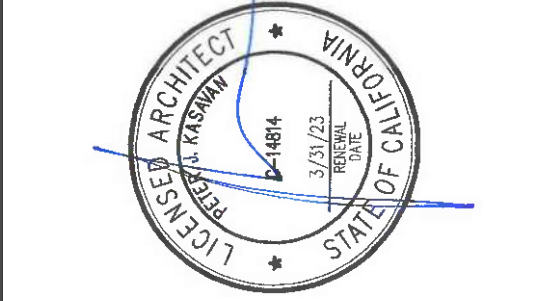
- CODES:**
- 2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.
 - 2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
 - 2019 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
 - 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
 - TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
 - NATIONAL FIRE ALARM CODE (NFPA 72) 2016.
 - CITY OF SPRECKELS ORDINANCES, CODES, AND REGULATIONS.
- STANDARDS:**
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
 - ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
 - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
 - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
 - NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
 - UNDERWRITER LABORATORIES (UL)
 - CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

SHEET INDEX

- | | |
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| E0.1 | SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX. |
| E1.1 | ELECTRICAL SINGLE LINE DIAGRAM & ELECTRICAL DETAILS. |
| E2.1 | PARTIAL ELECTRICAL SITE PLAN. |
| E3.1 | ELECTRICAL DEMOLITION PLAN & POWER PLAN. |
| E4.1 | ELECTRICAL SPECIFICATIONS. |
| FA0.1 | FIRE ALARM SYMBOLS, ABBREVIATIONS, EQUIPMENT LIST, OPERATIONAL MATRIX, DETAILS & NOTES. |
| FA1.1 | FIRE ALARM RISER DIAGRAM AND BATTERY & VOLTAGE DROP CALCULATIONS. |
| FA3.1 | FIRE ALARM DEMOLITION PLAN & FIRE ALARM PLAN. |
| FA4.1 | FIRE ALARM SPECIFICATIONS. |

DSA APPROVAL

KASAVAN ARCHITECTS
 60 W. Market St., Suite 300
 San Jose, California 95101
 Voice 831.424.2232 Fax 831.424.2501



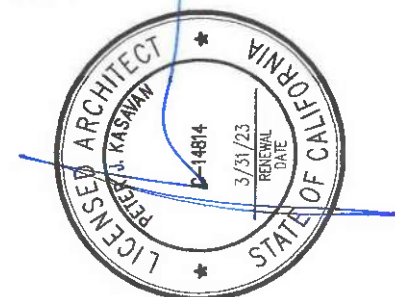
AURUM CONSULTING ENGINEERS
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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
 SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX

SHEET NUMBER
E0.1
 DATE: 18 NOVEMBER 2021
 JOB: 2101J DRAWN: CADD



CONSULTANTS

AURUM CONSULTING ENGINEERS
 MONTEREY BAY, INC.
 Project No. 21-255.00
 60 Garden Court • Suite 210 • Monterey, CA 93940
 T: 831.648.3300 • F: 831.648.3328 • www.aurem.com

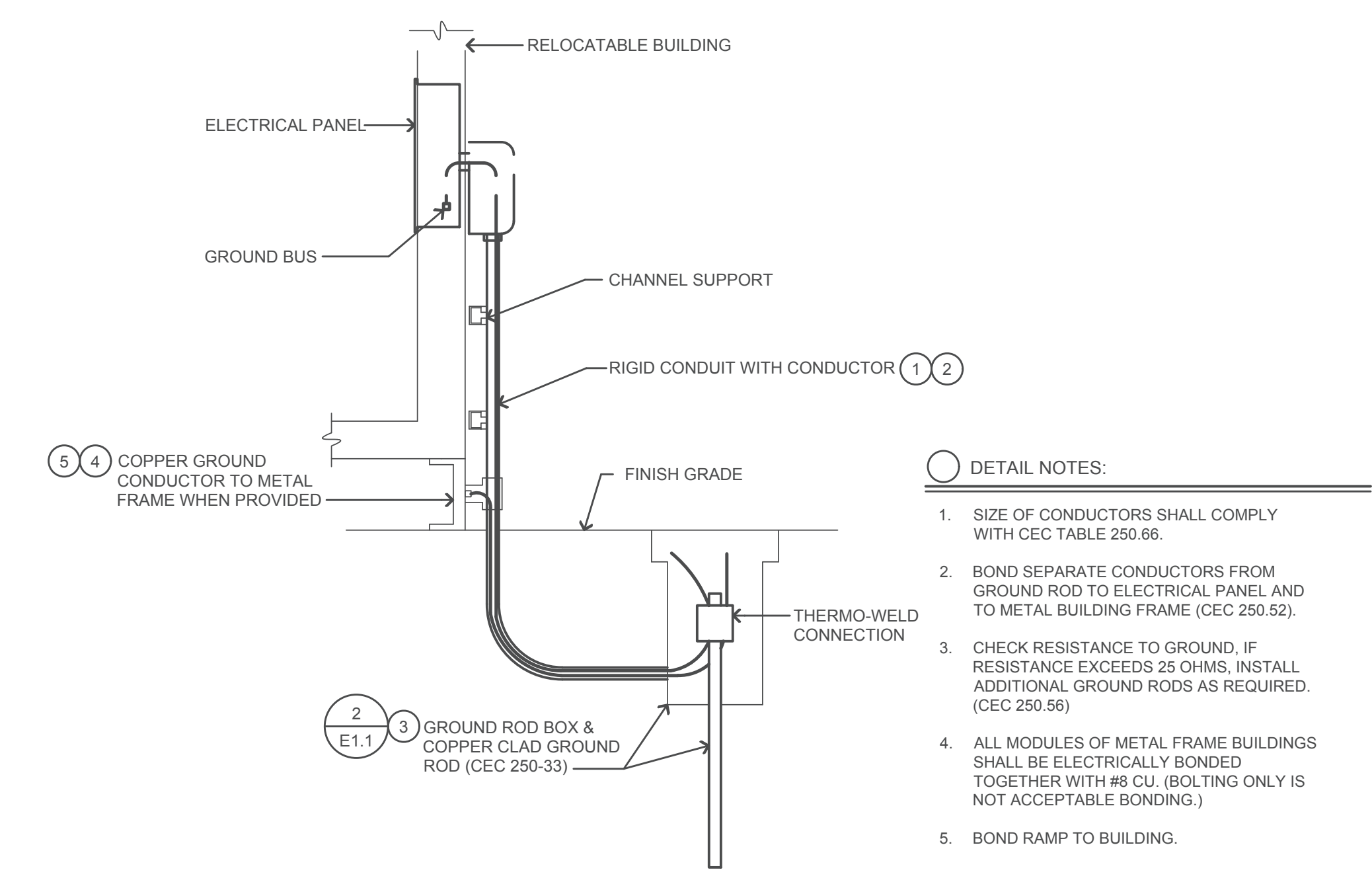
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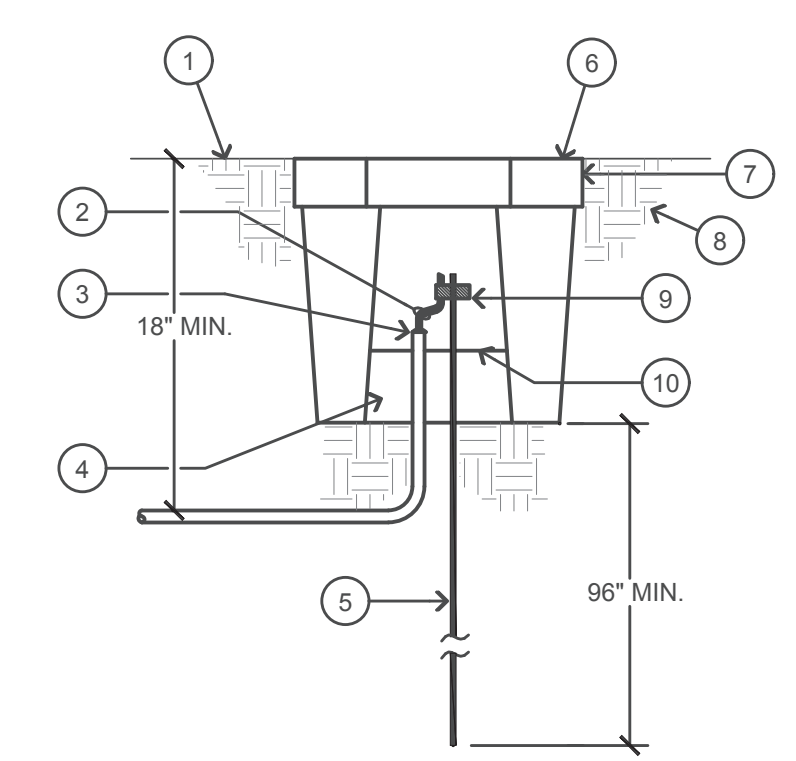
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 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
ELECTRICAL SINGLE LINE DIAGRAM & ELECTRICAL DETAILS

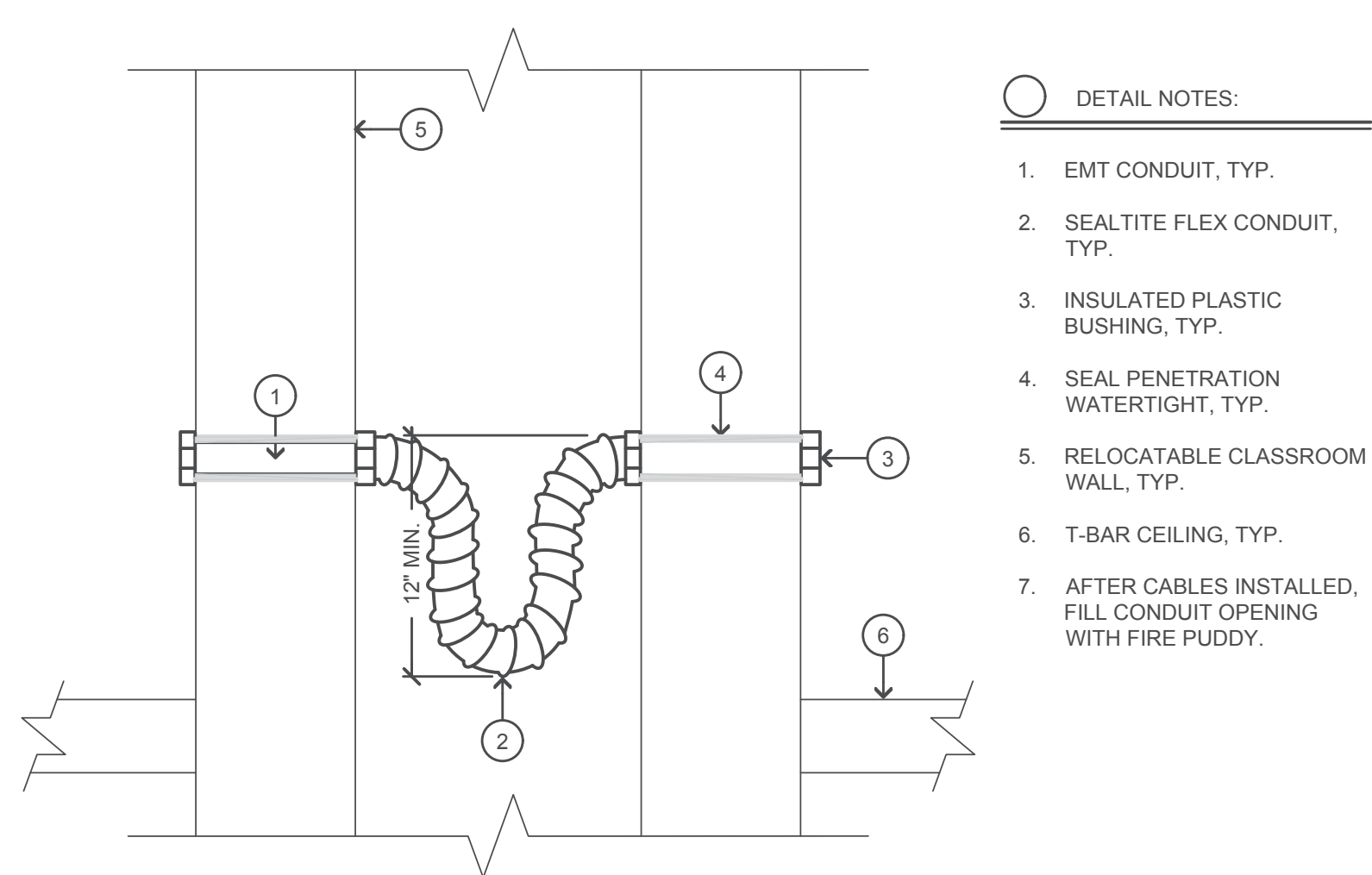
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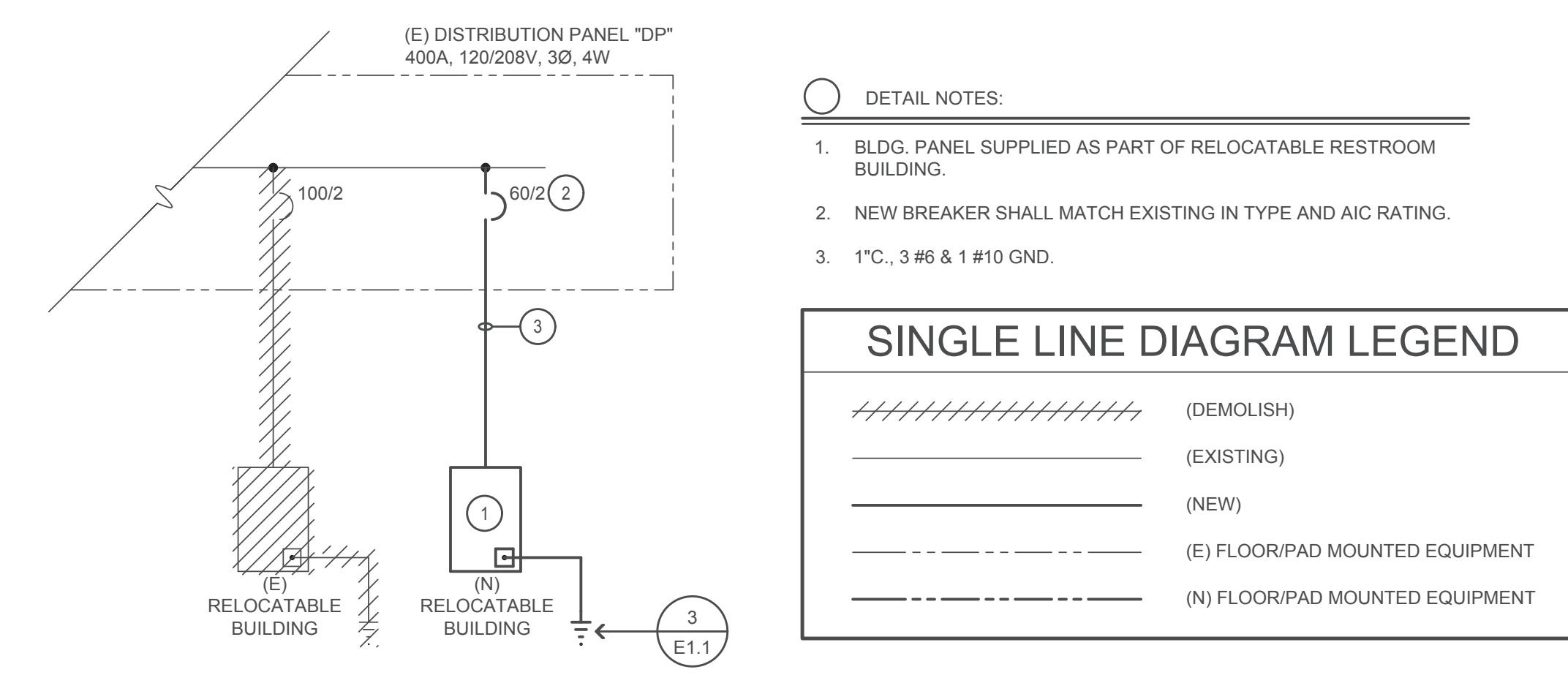
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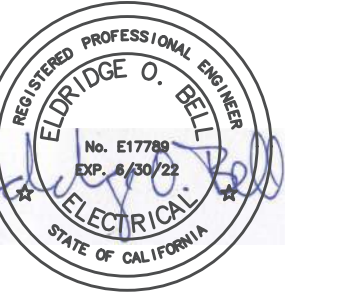
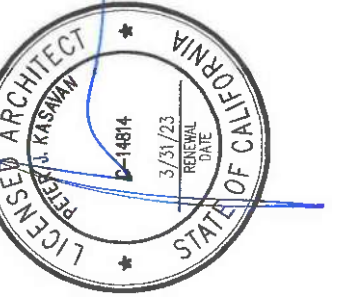
2 GROUND ROD & BOX DETAIL
 NO SCALE



4 CONDUIT TRANSITION BETWEEN BUILDINGS
 NO SCALE



1 PARTIAL ELECTRICAL SINGLE LINE DIAGRAM
 NO SCALE



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AURUM CONSULTING ENGINEERS
 MONTEREY BAY, INC.
 Project No. 21-255.00
 60 Garden Court • Suite 210 • Monterey, CA 93940
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 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
PARTIAL ELECTRICAL SITE PLAN

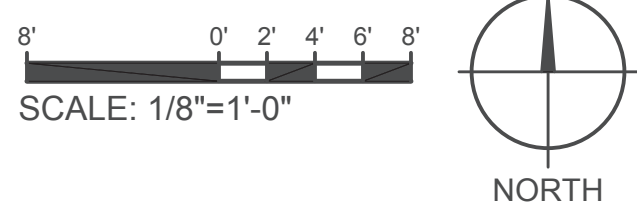
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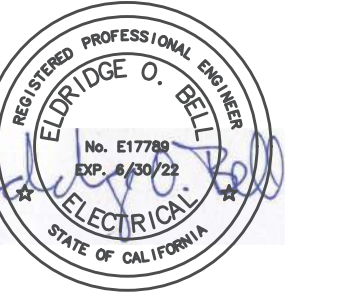
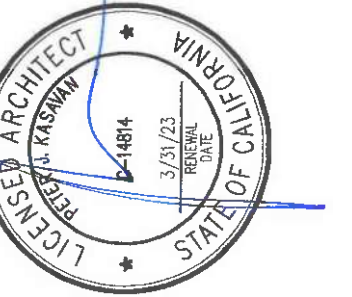
SHEET NOTES

- SEE 1/E1.1 FOR REQUIREMENTS.
- SEE SHEET E3.1 FOR CONTINUATION.



NOTES:
 CONTRACTOR SHALL LOCATE ALL (E) UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. HAND TRENCH IF NECESSARY. CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.





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 MONTEREY BAY, INC.
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 60 Garden Court • Suite 210 • Monterey, CA 93940
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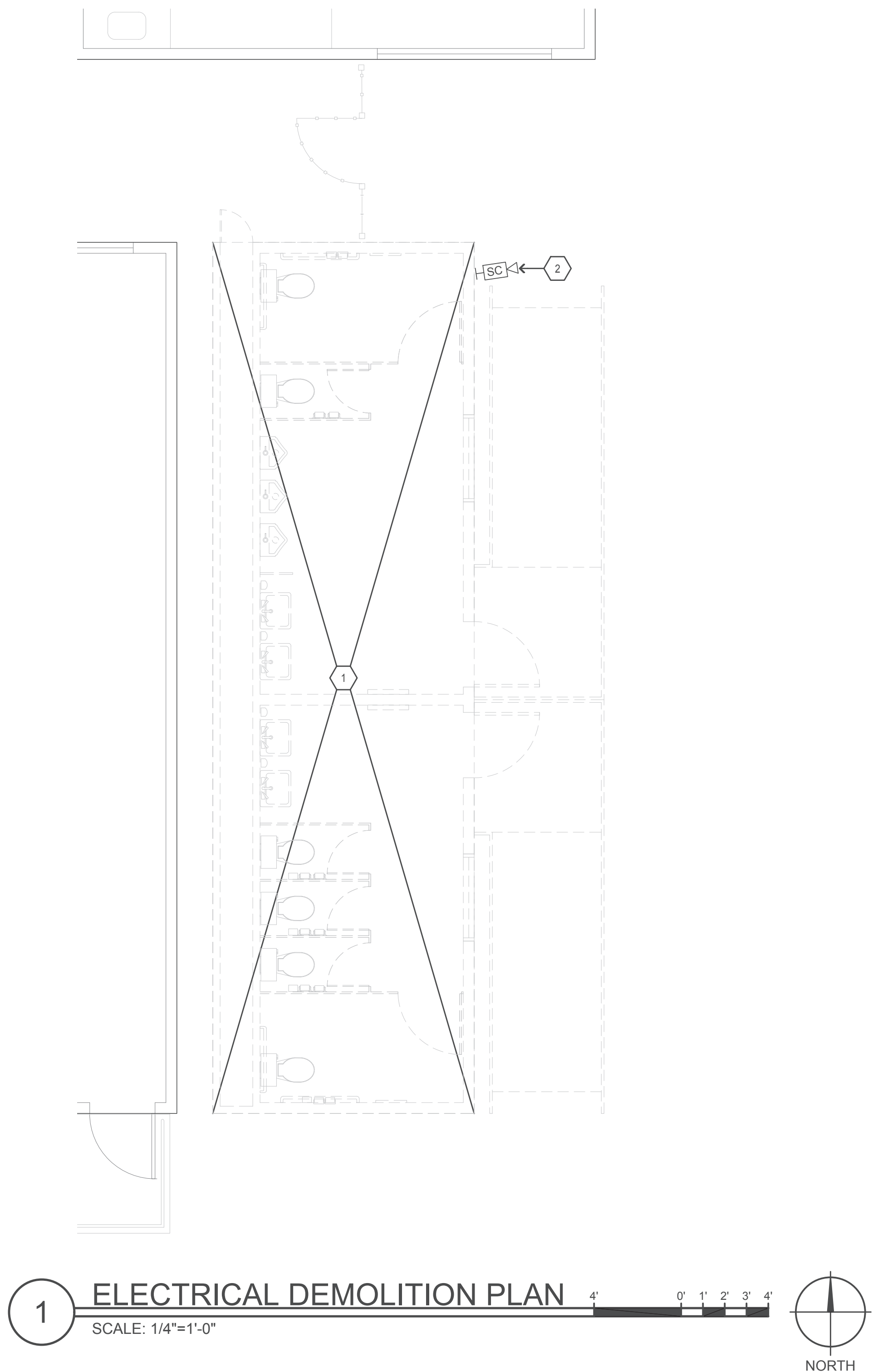
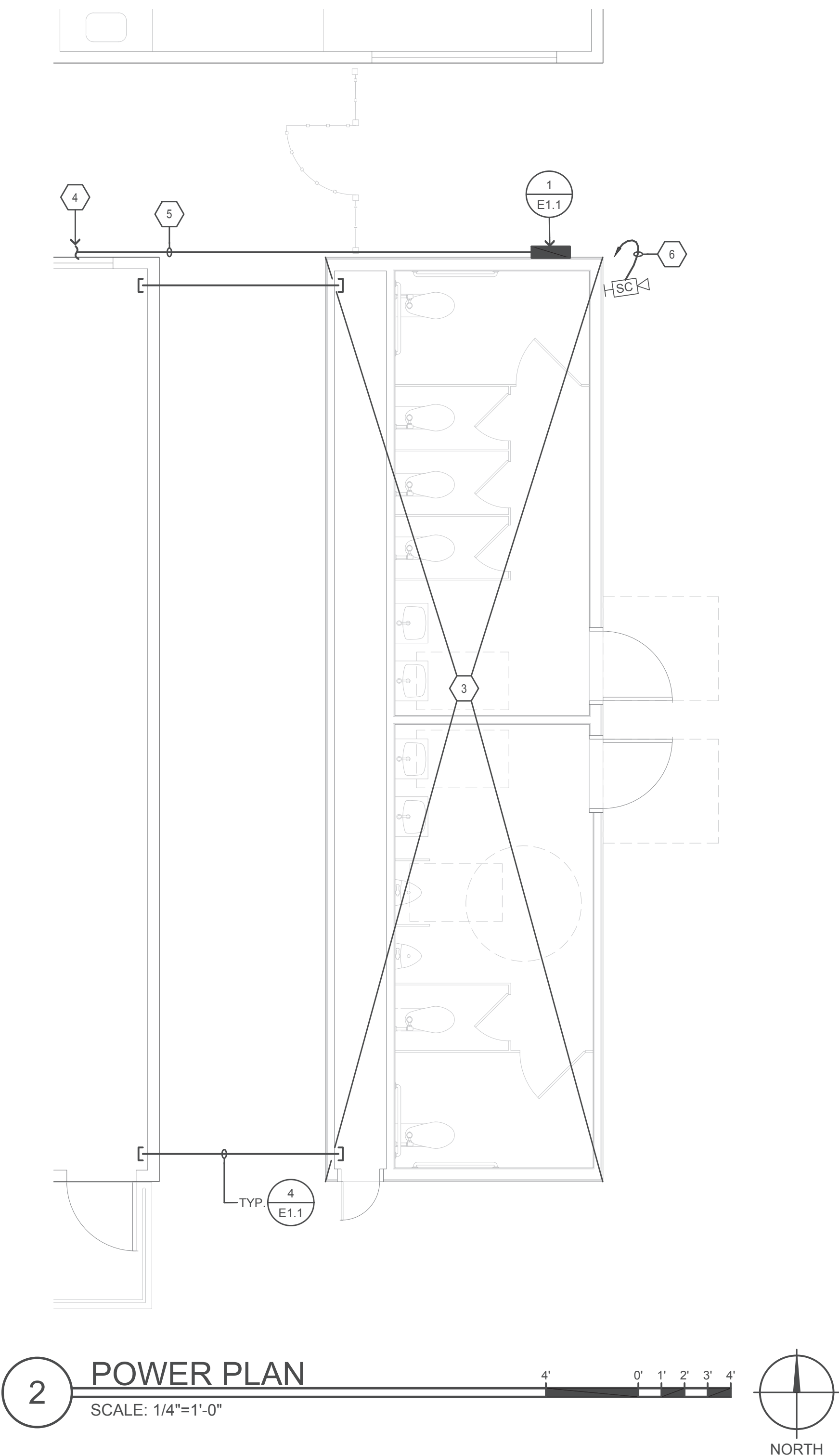
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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
ELECTRICAL DEMOLITION & POWER PLAN

SHEET NUMBER
E3.1
 DATE: 10 NOVEMBER 2021
 JOB: 21011 DRAWN: CADD

- SHEET NOTES**
- EXISTING RELOCATABLE BUILDING TO BE DEMOLISHED.
 - UNINSTALL, PRESERVE, AND PROTECT DEVICE FOR RECONNECTION AS PART OF NEW WORK.
 - NEW RELOCATABLE BUILDING; SEE SHEET E-1.01 FOR DEVICES, LOCATIONS, AND REQUIREMENTS.
 - SEE SHEET E2.1 FOR CONTINUATION.
 - SEE 1/E1.1 FOR REQUIREMENTS.
 - HOMERUN TO IDF-H LOCATED IN CLASSROOM H006; SEE SHEET E2.1 FOR LOCATION.



SECTION 26 05 73

GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

- 1.01 Description of Work:
A. Furnish and install all required in-place equipment, conduits, conductors, cables and any miscellaneous materials for the satisfactory interconnection and operation of all associated electrical systems.
1.02 Submittals:
A. As specified in Division 1. Submit to the Architect shop drawings, manufacturer's data and certificates for equipment, materials and finish, and pertinent details for each system specified.
1.03 Quality Assurance:
A. Codes: All electrical equipment and materials, including installation and testing, shall conform to the latest editions of the following applicable codes:
1. California Electrical Code (CEC).
2. Occupational Safety and Health Act (OSHA) standards.
3. All applicable local codes, rules and regulations.
4. Electrical Contractor shall possess a C-10 license and all other licenses as may be required.
1.04 Contract Documents:
A. Drawings: The Electrical Drawings shall govern the general layout of the completed construction.

SECTION 26 05 26

GROUNDING

PART 1 - EXECUTION

- 1.1 Grounding and Bonding:
A. Grounding and bonding shall be as required by codes and local authorities.
B. All electrical equipment shall be grounded, including, but not limited to, panel boards, terminal cabinets and outlet boxes.
C. The ground pole of receptacles shall be connected to their outlet boxes by means of a copper ground wire connecting to a screw in the back of the box.
D. A green insulated copper ground wire, sized to comply with codes, shall be installed in all conduit runs.
E. All metal parts of pull boxes shall be grounded per code requirements.
F. All ground conductors shall be green insulated copper.

SECTION 26 05 42

CONDUITS, RACEWAYS AND FITTINGS

PART 1 - EXECUTION

- 1.01 Conduit, Raceway and Fitting Installation:
A. For conduit runs exposed to weather provide rigid metal (GRS).
B. For conduit run underground, in concrete or masonry block wall and under concrete slabs, install minimum 1/4" size nonmetallic (PVC) with PVC elbows.
C. For conduit runs concealed in steel or wood framed walls or in ceiling spaces or exposed in interior spaces above six feet over the finished floor, install EMT.
D. Flexible metal conduit shall be used only for the connection of recessed lighting fixtures and motor connections unless otherwise noted on the Drawings.
E. The minimum size raceway shall be 1/2-inch unless indicated otherwise on the Drawings.
F. Installation shall comply with the CEC.
G. From pull point to pull point, the sum of the angles of all of the bends and offset shall not exceed 360 degrees.
H. Conduit Supports: Properly support all conduits as required by the NEC.
I. Exposed Conduits: Support exposed conduits within three feet of any equipment or device and at intervals not exceeding NEC requirements.
1.02 Access Doors:
A. The contractor shall install access panels as required where floors, walls or ceilings must be penetrated for access to electrical, control, fire alarm or other specified electrical devices.
1.03 Arc Flash:
A. The contractor shall install a clearly visible arc flash warning to the inside door of all panelboards and industrial control panels, as well as to the front of all switchboards and motor control centers that are a part of this project.
1.11 All boxes and enclosures for emergency circuits shall be permanently marked with a readily visible red spray painted mark.

PART 2 - PRODUCTS

- 2.01 Nameplates:
A. Identify each piece of equipment and related controls with a rigid laminated engraved plastic nameplate.
2.02 Finish requirements:
A. Equipment: Refer to each electrical equipment section of these Specifications for painting requirements of equipment enclosures.
B. Wiring System: In finished areas, paint all exposed conduits, boxes and fittings to match the color of the surface to which they are affixed.

PART 3 - EXECUTION

- 3.01 Workmanship:
A. All electrical equipment and materials shall be installed in a neat and workmanship manner in accordance with the "NECA-I Standard Practices For Good Workmanship in Electrical Contracting".
3.02 Equipment Installations:
A. Provide the required inserts, bolts and anchors, and securely attach all equipment and materials to their supports.
B. Do all the cutting and patching necessary for the proper installation work and repair any damage done.
3.03 Field Test:
A. Perform equipment field tests and adjustments.
3.04 Records:
A. Maintain one copy of the contract Drawing Sheets on the site of the work for recording the "as built" condition.
3.05 Clean Up:
A. Upon completion of electrical work, remove all surplus materials, rubbish, and debris that accumulated during the construction work.
3.06 Mechanical and Plumbing Electrical Work:
A. The requirements for electrical power and/or devices for all mechanical and plumbing equipment supplied and/or installed under this Contract shall be coordinated and verified with the following:
1. Mechanical and Plumbing Drawings.
2. Mechanical and Plumbing sections of these Specifications.
3. Manufacturers of the Mechanical and Plumbing equipment supplied.
B. The coordination and verification shall include the voltage, ampacity, phase, location and type of disconnect, control, and connection required.
C. The Electrical Contractor shall furnish and install the following for all mechanical and plumbing equipment:
1. Line voltage conduit and wiring.
2. Disconnect switches.
3. Manual line motor starters.
D. Automatic line voltage controls and magnetic starters shall be furnished by the Mechanical and/or Plumbing Contractor and installed and connected by the Electrical Contractor.
E. All low voltage control wiring for Mechanical and Plumbing equipment shall be installed in conduit.
F. Manual motor starters, where required, shall have toggle type operators with pilot light and melting alloy type overload relays, SQUARE D COMPANY, Class 2510, Type FG-1P (surface) or Type FS-1P (flush) or ILE, WESTINGHOUSE or GENERAL ELECTRIC equl.

SECTION 26 05 16

LINE VOLTAGE WIRE AND CABLE

PART 1 - PRODUCTS

- 1.01 Conductors:
A. Conductors shall be copper, type THHN/THWN/MTW oil and gasoline resistant, 90°C, 600 volt rated insulation.
B. Conductors shall be stranded copper.
C. Minimum power and control wire size shall be No. 12 AWG unless otherwise noted.
D. All conductors used on this Project shall be of the same type and conductor material.
1.02 Terminations:
A. Manufacturer - Terminals as manufactured by T&B, Bundy or equal.
B. Wire Terminations - Stranded conductors shall be terminated in clamping type terminations which serve to contain all the strands of the conductor.
C. End Seals - Heat shrink plastic caps of proper size for the wire on which used.
1.03 Tape:
A. Tape used for terminations and cable marking shall be compatible with the insulation and jacket of the cable and shall be of plastic material.
1.04 Cable:
A. Type MC Armored Cable:
1. Conductors shall be copper type THHN/THWN/MTW oil and gasoline resistant, 600 volt rated insulation.
2. Conductors shall be stranded copper No. 8 AWG and above.
3. Minimum power and control wire shall be No. 12 AWG unless otherwise noted.
4. All conductors used on this project shall be of the same type and conductor material.
5. Light weight aluminum interlocked armor.
6. Integral green insulated grounding conductor.
PART 2 - EXECUTION
2.01 Cable Installation:
A. Clean Raceways - Clean all raceways prior to installation of cables as specified in Section 26 05 42 - Conduits Raceway and Fittings.
B. All wiring including low voltage wiring shall be installed in conduit, U.O.N.
C. All feeder conductors shall be continuous from equipment to equipment.
D. All branch circuit wiring shall be run concealed in ceiling spaces, walls, below floors or in crawl spaces unless noted otherwise.
2.02 Cable Terminations and Splices:
A. Splices - UL Listed wirenuts.
B. Terminations - Shall comply with the following:
1. Make up and form cable and orient terminals to minimize cable strain and stress on device being terminated on.
2. Burnish oxide from conductor prior to inserting in oxide breaking compound filled terminal.
2.03 Circuit and Conductor Identification:
A. Color Coding - Provide color coding for all circuit conductors.
B. Circuit Identification - All underground distribution and service circuits shall be provided with plastic identification tags in each secondary box and at each termination.
2.04 Field Tests:
A. All systems shall test free from short circuits and grounds, shall be free from mechanical and electrical defects, and shall show an insulation resistance between phase conductors and ground of not less than the requirements of the CEC.
B. Insulation Resistance Tests: perform insulation resistance tests on circuits with #2 AWG and larger conductors to be energized with a line-to-neutral voltage of 120 volts or more.
C. Contractor shall torque all termination of feeders/circuit terminations where required per CEC and manufacturer labeling requirements at point of connection.

SECTION 26 28 16

CIRCUIT BREAKERS

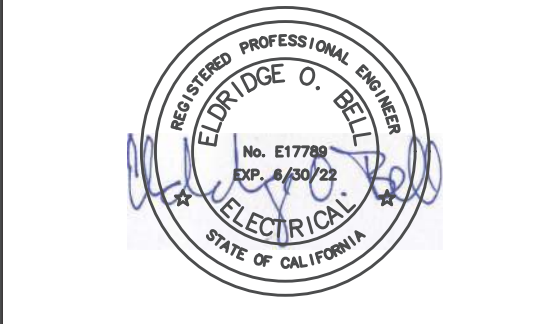
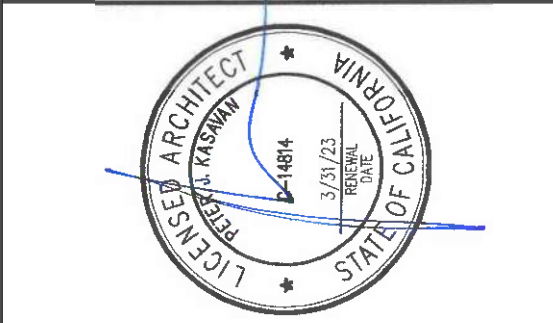
PART 1 - PRODUCTS

- 1.01 Circuit Breaker: Each circuit breaker shall consist of the following:
A. A molded case breaker with an over center toggle-type mechanism, providing quick-make, quick-break action.
B. Breaker shall be calibrated for operation in an ambient temperature of 40°C.
C. Each circuit breaker shall have trip indication by handle position and shall be trip-free.
D. Three pole breakers shall be common trip.
E. The circuit breakers shall be constructed to accommodate the supply connection at either end of the circuit breaker.
F. Breakers shall be UL listed.
G. Breakers shall be rated as shown on Drawings.
H. Lugs shall be UL listed for copper and aluminum conductors.
I. Breakers shall be UL listed for installation of mechanical screw type lugs.

DSA APPROVAL



60 W. Market St., Suite 300
Voice 831-424,2232
Salinas, California 93901
Fax 831-424,2501



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MONTEREY BAY, INC.
Project No. 21-295 00
60 Golden Coast • Suite 210 • Monterey, CA 93940
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Table with 3 columns: NO., DESCRIPTION, DATE

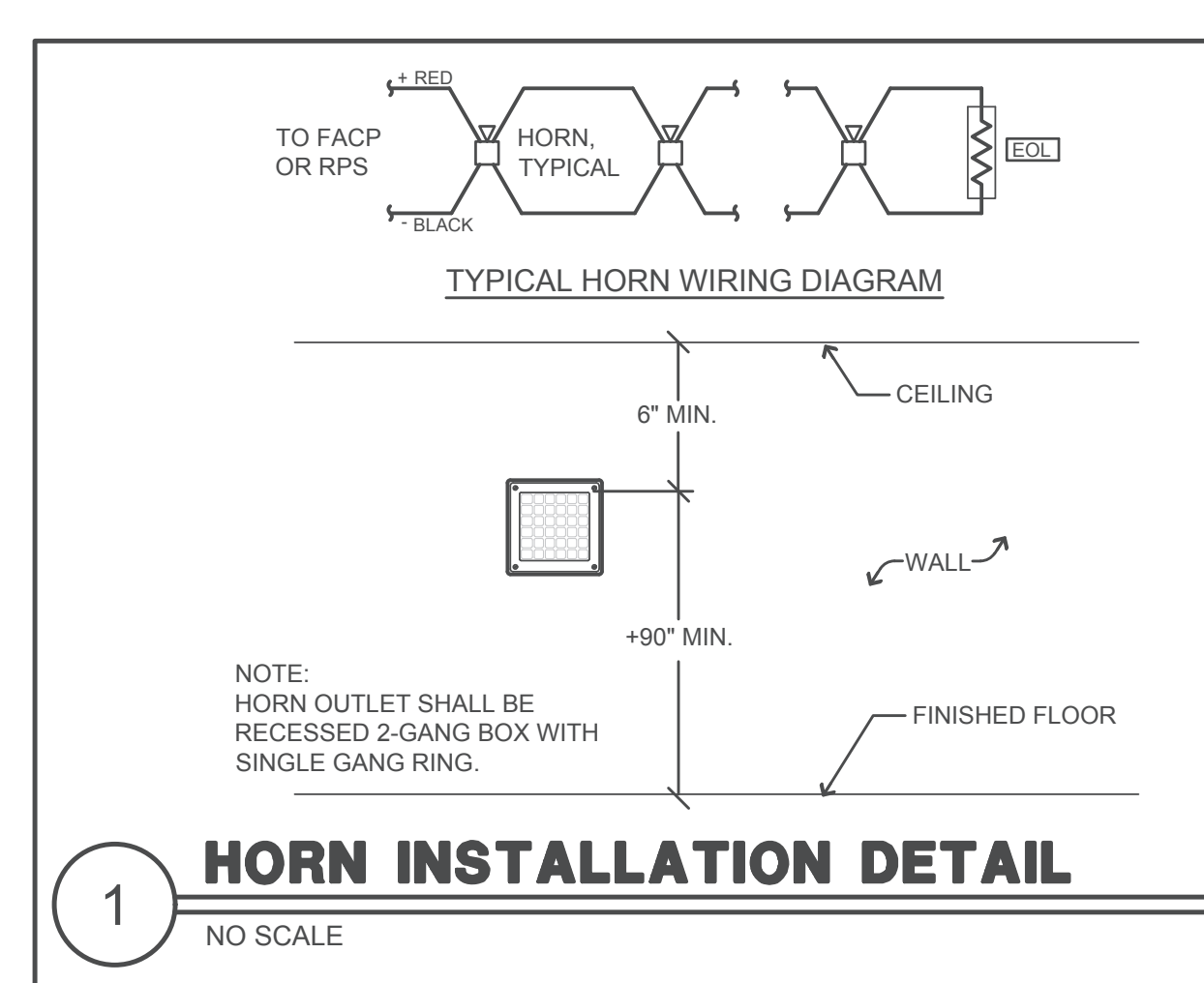
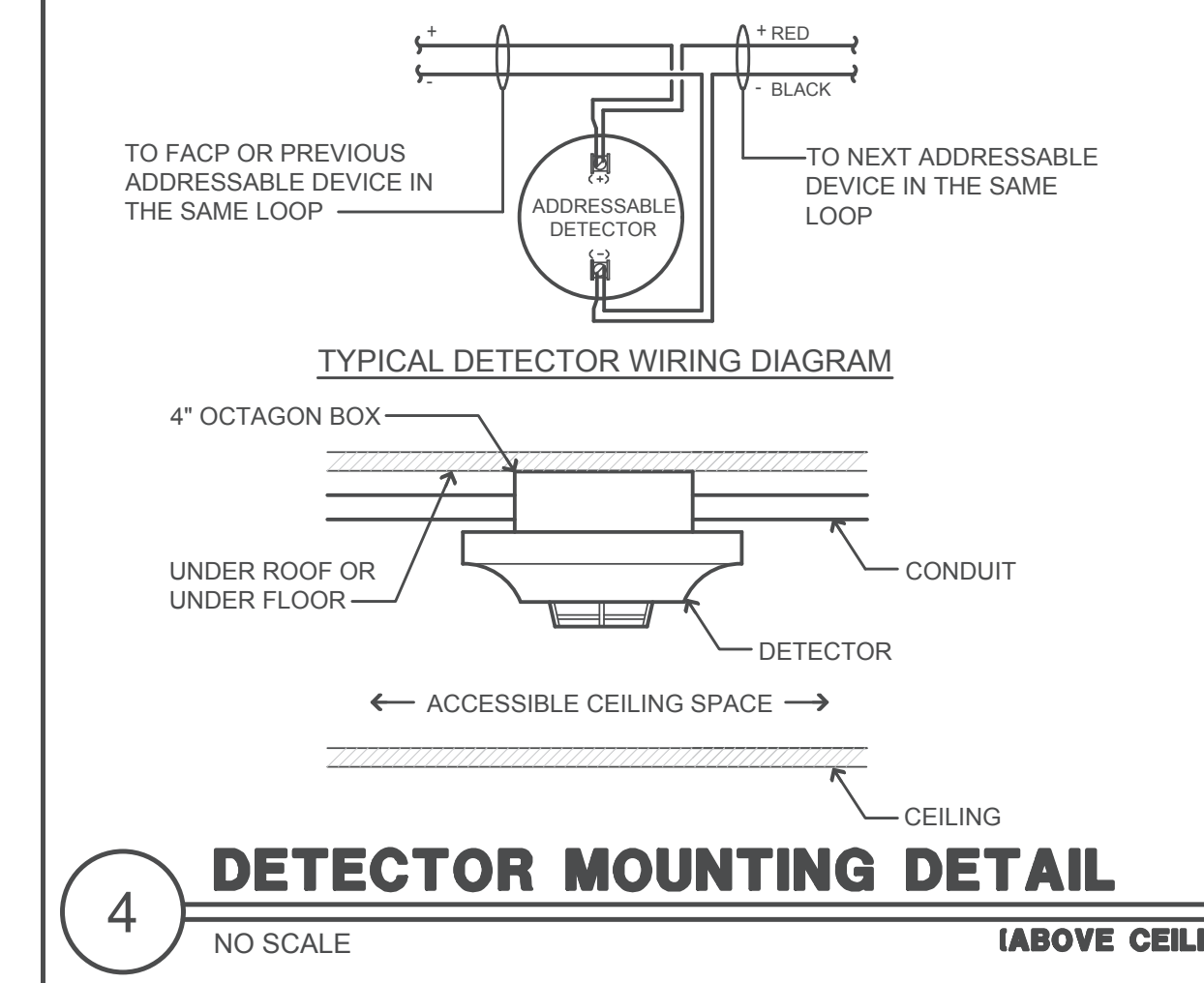
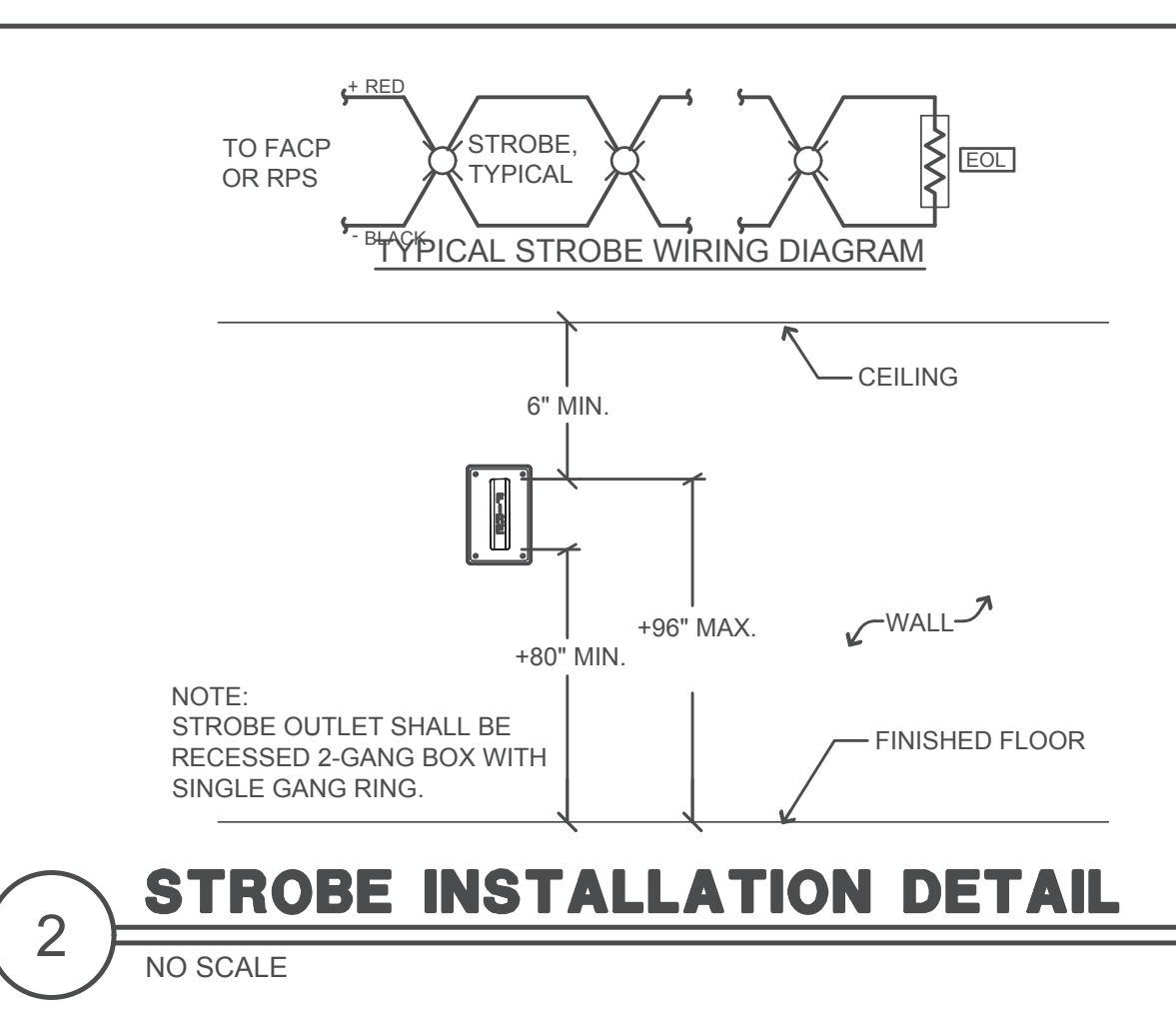
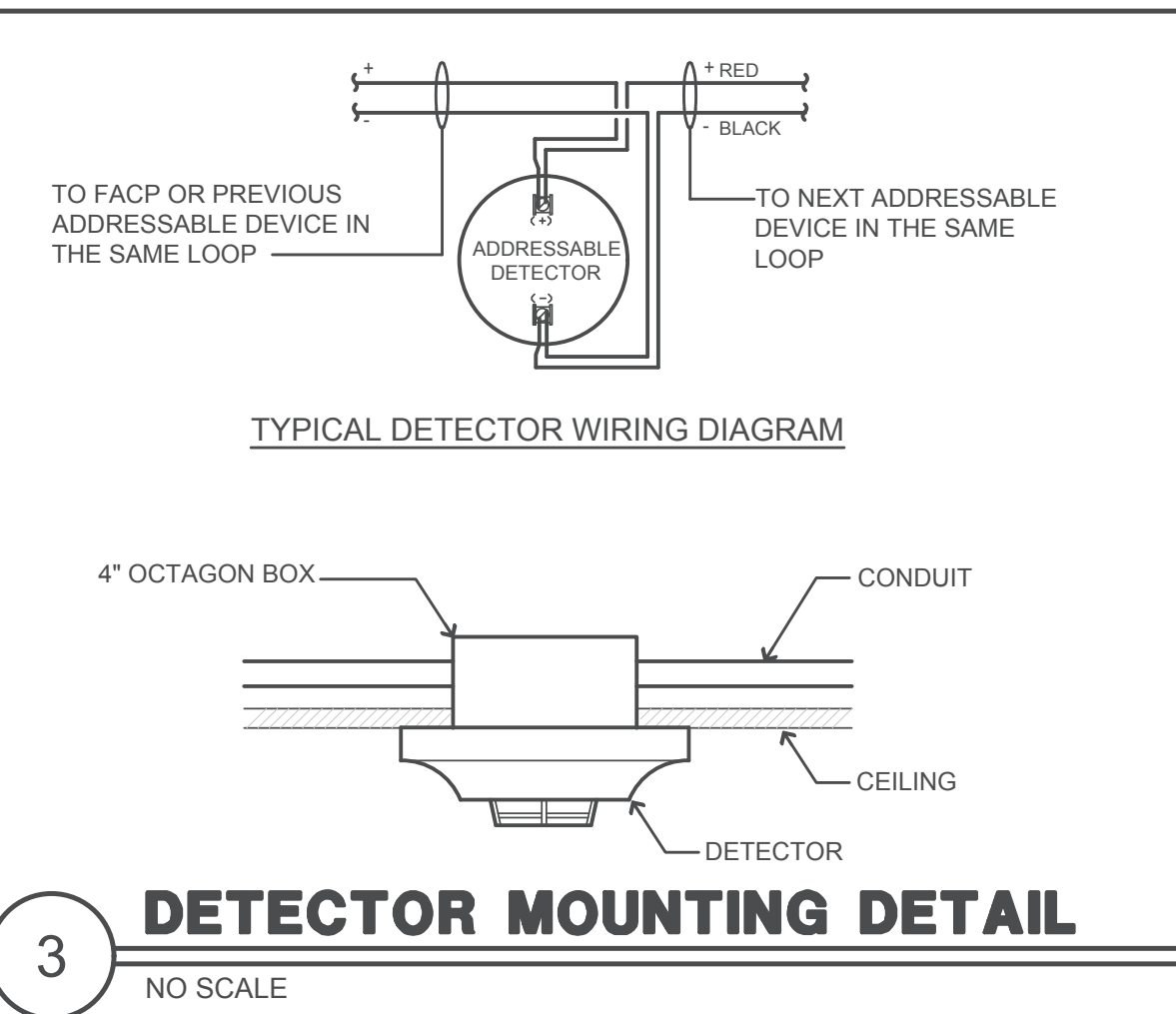
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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
AT
SPRECKELS SCHOOL
4TH & HATTON AVENUE, SPRECKELS, CA
ELECTRICAL SPECIFICATIONS

SHEET NUMBER
E4.1
DATE: 10 NOVEMBER 2021
JOB: 2101J DRAWN: CADD

FIRE ALARM EQUIPMENT LIST

SYMBOL	DESCRIPTION AND MODEL NUMBER	MFGR'S PART No.	CSFM LISTING
(E) FCP	EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL, NOTIFIER, NFS-640.	NFS-640	7165-0028.214
RPS	REMOTE POWER SUPPLY WITH BATTERY CHARGER, NOTIFIER FCPS SERIES.	FCPS-24S6	7315-0028.0225
②	ADDRESSABLE, PHOTOELECTRIC SMOKE DETECTOR AND BASE, NOTIFIER FSP SERIES.	FSP-951	7272-0028.0503
①	ADDRESSABLE 190 DEG. FIXED TEMP. THERMAL DETECTOR, MOUNT IN ACCESSIBLE SPACE ABOVE T-BAR CEILING, NOTIFIER, FST SERIES.	FST-951H	7270-0028.0502
C	ADDRESSABLE CONTROL MODULE, NOTIFIER, FCM SERIES.	FCM-1	7300-0028.0219
M	ADDRESSABLE MONITOR MODULE, NOTIFIER, FMM SERIES.	FMM-1	7300-0028.0219
⊗	WALL MOUNTED MULTI-CANDELA, STROBE WITH FIELD SELECTABLE CANDELA SETTINGS OF 15, 30, 75, 95, 110 AND 115 CANDELA, SYSTEM SENSOR.	SRL	7125-1653.0504
⊗ WP	WALL MOUNTED WEATHERPROOF FIRE ALARM HORN, SYSTEM SENSOR SPECTRALHRT SERIES, RED FINISH.	HRK	7135-1653.0189
EOL	END OF LINE DEVICE.		



FIRE ALARM GENERAL NOTES

- WIRING MUST BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ARTICLE 760.
- WIRE USED IN WET LOCATIONS SHALL BE OF AN APPROVED TYPE IN ACCORDANCE WITH 3-310-8, T24/CEC (i.e. THHW OR EQUAL).
- UNDER GROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS AND WIRES APPROVED FOR WET LOCATION.
- ALL CONDUCTORS SHALL BE ROUTED IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS. MINIMUM CONDUIT SIZE SHALL BE 3/4". SEE GENERAL CONSTRUCTION NOTES THIS SHEET FOR ADDITIONAL REQUIREMENTS.
- THE CONDUIT AND WIRE SHOWN ON THESE PLANS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS. "AS-BUILT" PLANS SHALL BE MAINTAINED AND BE PROVIDED AS REQUIRED BY THE PROJECT INSPECTOR OF RECORD.
- PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CHAPTER 7, TITLE 24. PROVIDE DETAILS OF THROUGH PENETRATION FIRE-STOP SYSTEMS FOR ALL PIPE/CABLE/CONDUIT PASSING THROUGH FIRE RATED WALLS/FLOORS REQUIRING PROTECTED OPENINGS.
- ALL DEVICES SHALL BE "CSFM" LISTED.
- EXTERIOR DEVICES SHALL BE LISTED FOR EXTERIOR USE BY "CSFM".
- AUDIBLE ALARM PRODUCED BY "FACP" SHALL SOUND THE CALIFORNIA UNIFORM SIGNAL IN TEMPORAL MODE.
- AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15dbA ABOVE THE AVERAGE SOUND LEVEL.
- AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 75dbA AT 10 FEET OR MORE THAN 110dbA AT THE MINIMUM HEARING DISTANCES FROM THE AUDIBLE APPLIANCE.
- WHERE VISUAL DEVICES ARE REQUIRED, VISUAL DEVICE SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. NO PLACE IN ANY ROOM SHALL BE MORE THAN 50 FEET FROM A DEVICE.
- APPROVED BY THE "DIVISION OF THE STATE ARCHITECT/OFFICE OF REGULATION SERVICES," CONTRACTOR SHALL PROVIDE COPIES OF APPROVED PLANS TO THE PROJECT INSPECTOR OF RECORD PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING TO ENGINEER PRIOR TO PURCHASE FOR REVIEW. THE FIRE PROTECTION SYSTEM SHALL NOT BE INSTALLED UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED TO AND RECEIVED BY THE ENGINEER OF RECORD.
- FINAL ALARM TEST SHALL BE WITNESSED BY BOTH THE DSA INSPECTOR OF RECORD (IOR) AND LOCAL FIRE AUTHORITY. BOTH THE DSA INSPECTOR OF RECORD (IOR) AND THE LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING BY THE FIRE ALARM CONTRACTOR. FIRE ALARM CONTRACTOR SHALL PROVIDE "RECORD OF COMPLETION" TO THE INSPECTOR OF RECORD (IOR)/DSA AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TEST.
- POWER SERVICE SHALL BE ON A DEDICATED, 120V BRANCH CIRCUIT, WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL."
- AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UJFX OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 5011.
- LOCATION OF DEVICES SHOWN ON THE PLANS ARE AS ACCURATE AS POSSIBLE. IF DEVICES CANNOT BE INSTALLED EXACTLY AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL INSTALL THEM AS CLOSE AS POSSIBLE TO THE INDICATED LOCATION. THE FINAL LOCATIONS OF ALL DEVICES SHALL BE RECORDED AND INCORPORATED INTO THE AS-BUILT DRAWINGS.
- THE CIRCUIT DEVICE NUMBERS SHALL BE ASSIGNED BY THE CONTRACTOR DURING INSTALLATION RECORDED AND INCORPORATED INTO THE AS-BUILT DRAWINGS. ALL DEVICES SHALL BE PERMANENTLY AND CLEARLY LABELED BY THE CONTRACTOR WITH THE DEVICE ADDRESS OR CIRCUIT NUMBER.
- SMOKE DETECTORS SHALL NOT BE LOCATED IN A DIRECT AIR FLOW NOR CLOSER THAN 3 FT. FROM AIR SUPPLY DIFFUSERS.
- FIRE ALARM SYSTEM EXTENSION OF WORK SHALL UNDERGO A 100% TEST PRIOR TO SCHEDULE INSPECTION. DOCUMENTATION OF THE 100% TEST AND APPROVAL SHALL BE SUBMITTED TO THE I.O.R.

SYMBOLS & ABBREVIATIONS

- SYMBOLS**
- CONDUIT - CONCEALED IN WALLS OR CEILING.
 - - - CONDUIT - IN OR BELOW FLOOR: 3/4" MIN.
 - CONDUIT CONTINUATION.
 - 201 ROOM NUMBER.
 - ② SHEET NOTE REFERENCE SYMBOL. SEE ASSOCIATED NOTE ON SAME SHEET.
 - ② E1 DETAIL OR SECTION DESIGNATION.
- ABBREVIATIONS**
- | | | | |
|------|--------------------------|-----|---------------------------------|
| ARCH | ARCHITECT | IOR | INSPECTOR OF RECORD |
| AWG | AMERICAN WIRE GAUGE | IDC | INITIATING DEVICE CIRCUITS |
| BKR | BREAKER | (N) | NEW |
| CB | CIRCUIT BREAKER | NAC | NOTIFICATION APPLIANCE CIRCUITS |
| CKT | CIRCUIT | NIC | NOT IN CONTRACT |
| CLG | CEILING | NO | NUMBER |
| (E) | EXISTING | SLC | SIGNALING LINE CIRCUITS |
| FA | FIRE ALARM | TYP | TYPICAL |
| FACP | FIRE ALARM CONTROL PANEL | UON | UNLESS OTHERWISE NOTED |
| | | WP | WEATHERPROOF |
- TYPICAL ZONE NOMENCLATURE**
- "S2" DENOTES SIGNAL CIRCUIT #2
 - "4" DENOTES DEVICE #4
 - "75CD" DENOTES CANDELA RATING
 - "M" DENOTES MODULE DEVICE; "D" DENOTES DETECTOR DEVICE
 - "1" DENOTES LOOP#
 - "5" DENOTES DEVICE #5
 - CROSSHATCH INDICATES NUMBER OF WIRES REQUIRED, SUBSCRIPT LETTER INDICATES TYPE OF CIRCUIT. SEE GENERAL NOTES THIS SHEET FOR NUMBER & TYPE OF WIRES AND CIRCUIT TYPE.

PROJECT DESCRIPTION

SCOPE OF WORK:
EXTENSION OF (E) AUTOMATIC FIRE ALARM SYSTEM TO NEW RELOCATABLE RESTROOM BUILDING.

SYSTEM DESCRIPTION:
IDC = CLASS B / STYLE B
NAC = CLASS B / STYLE Y

FIRE ALARM SYSTEM DESIGN BY:
MARTIN H. PEREZ, CET NICET IV #07042

FIRE ALARM SYSTEM OPERATIONAL MATRIX

CAUSE	ALARM	TROUBLE	SUPERVISORY	MISC.	REMARKS
SMOKE DETECTORS	•				
HEAT DETECTORS	•				
MANUAL PULL STATIONS	•				
SYSTEM RESET		•	•	•	
SIGNAL SILENCE					
AC POWER FAILURE		•	•	•	
FIRE ALARM TROUBLE (OPEN, SHORTS, OR GROUNDS) ON INITIATION OR SIGNALING CIRCUITS	•	•	•		

DSA APPROVAL

KASAVAN ARCHITECTS
60 W. Market St., Suite 300
Voice 831.424.2232

Saltinas, California 93901
Fax 831.424.2501

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CONSULTANTS

NO.	DESCRIPTION	DATE

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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
AT
SPRECKELS SCHOOL
4TH & HATTON AVENUE, SPRECKELS, CA

F.A. SYMBOLS, ABBRE., EQUIPMENT LIST, OPERATIONAL MATRIX, DETAILS & NOTES

SHEET NUMBER
FA0.1

DATE: 10 NOVEMBER 2021
JOB: 2101J
DRAWN: CADD

BATTERY CALCS

FIRE ALARM CONTROL PANEL "FACP"						
QTY	PRODUCT ID	DESCRIPTION	STANDBY		ALARM	
			EACH	TOTAL	EACH	TOTAL
1	CPU-48H	EXISTING CENTRAL PROCESSING UNIT	0.23000	0.23000	0.23000	0.23000
1	KDM-2	KEYBOARD DISPLAY MODULE	0.04000	0.04000	0.04000	0.04000
2	AMPS-4R	NOTIFIER POWER SUPPLY	0.02500	0.05000	0.02000	0.04000
1	LEB-2B	LOOP EXPANDER MODULE	0.10000	0.10000	0.10000	0.10000
1	ICE-4	NAC CIRCUIT EXTENDER	0.00700	0.00700	0.00700	0.00700
		PANEL STANDBY CURRENT		0.42700		
		PANEL ALARM CURRENT				0.43100

FIELD DEVICES						
QTY	PRODUCT ID	DESCRIPTION	STANDBY		ALARM	
			EACH	TOTAL	EACH	TOTAL
1	LCD-80	REMOTE ANNUNCIATOR	0.10000	0.10000	0.05000	0.05000
4	NBS-2LX	ADDRESSABLE PULL STATION	0.00000	0.00120	0.00000	0.00120
182	FSP-751	ADDRESSABLE SMOKE DETECTOR	0.00000	0.06650	0.00000	0.06650
16	FSD-751P	ADDRESSABLE DUCT SMOKE DETECTOR	0.000150	0.00240	0.000150	0.00240
2	FSP-851	(N) ADDRESSABLE SMOKE DETECTOR	0.000200	0.000400	0.000400	0.000800
3	FST-851	(N) ADDRESSABLE HEAT DETECTOR	0.000200	0.000600	0.000400	0.001200
41	FRT-751	ADDRESSABLE HEAT DETECTOR	0.000300	0.012300	0.000300	0.012300
32	FRM-1	ADDRESSABLE MONITOR MODULE	0.000175	0.005600	0.000175	0.005600
6	FCM-1	ADDRESSABLE CONTROL MODULE	0.000000	0.002400	0.000000	0.002400
20	FRM-1	ADDRESSABLE CONTROL MODULE	0.000270	0.005400	0.000500	0.010000
1	FRM-1	(N) ADDRESSABLE MONITOR MODULE	0.000175	0.000175	0.000400	0.000400
1	FCM-1	(N) ADDRESSABLE CONTROL MODULE	0.000445	0.000445	0.000400	0.000400
1	UDACT	DIGITAL ALARM ANNUNCIATOR	0.04000	0.04000	0.10000	0.10000
20	ISS-N	ADDRESSABLE ISOLATOR MODULE	0.000400	0.008000	0.000400	0.008000
13	NS-24MCW-FR	HORN/STROBE 15CD	0.000000	0.000000	0.070000	0.910000
3	NS-24MCW-FR	HORN/STROBE 30CD	0.000000	0.000000	0.084000	0.252000
4	NS-24MCW-FR	HORN/STROBE 75CD	0.000000	0.000000	0.150000	0.610000
2	NS-24MCW-FR	HORN/STROBE 110CD	0.000000	0.000000	0.180000	0.360000
28	RSS-24MCW-FR	STROBE 15CD	0.000000	0.000000	0.050000	1.300000
7	RSS-24MCW-FR	STROBE 30CD	0.000000	0.000000	0.080000	0.560000
2	RSS-24MCW-FR	STROBE 75CD	0.000000	0.000000	0.150000	0.260000
10	AH-24WP-FR	WEATHERPROOF HORN	0.000000	0.000000	0.041000	0.410000
0	HH-1224R	INTERIOR HORN	0.000000	0.000000	0.047000	0.000000
4	DSM-1224R	DUAL SYNCH MODULE	0.000000	0.000000	0.150000	0.150000

DESCRIPTION	STANDBY	ALARM
CONTROL PANEL	0.427000	0.431000
FIELD DEVICES	0.252200	0.296900
TOTAL STANDBY CURRENT	0.679200	
24 HOUR STANDBY		16.301200
TOTAL ALARM CURRENT		5.721600
5 MINUTES OF ALARM (0.8%)		0.474884
TOTAL BATTERY REQUIREMENT		30.131400
SAFETY MARGIN (20%)		36.157680
BATTERY SUPPLIED (EXISTING)		(2) 12V 55AH


VOLTAGE DROP CALCS

VOLTAGE DROP (VD) CALCULATION VISUAL CKT. #1

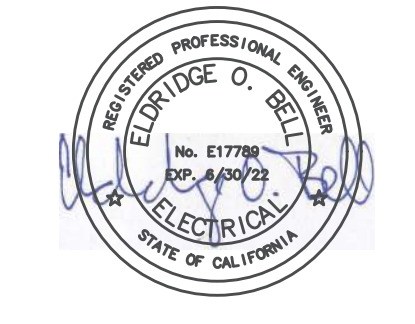
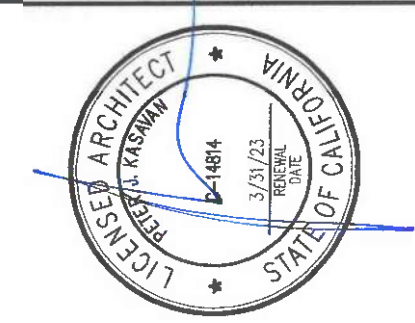
DEVICE #	S1-1	S1-2	S1-3
GAUGE WIRE	12	12	12
DISTANCE (FT)	20	10	30
AMPS OF DEVICE	0.043	0.044	0.043
TOTAL AMPS@DEV.	0.13	0.087	0.043
VOLT. DROP @ DEV.	0.009	0.003	0.004

TOTAL CKT. AMPS	WIRE SIZE	RESIS. / FT.	CIRC. MILS.
0.13 AMPS	12	1.59	6530
TOTAL CKT V DROP = 0.016 VDC	14	2.52	4110
	16	4.02	2580
	18	6.39	1620
CKT VOLTAGE = 20.4	20	10.1	1020
% VOLTAGE DROP = 0.11%	22	16.2	640
	24	25.7	404

DSA APPROVAL



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 60 W. Market St., Suite 300
 Voice 831.424.2232
 Salinas, California 93901
 Fax 831.424.2501



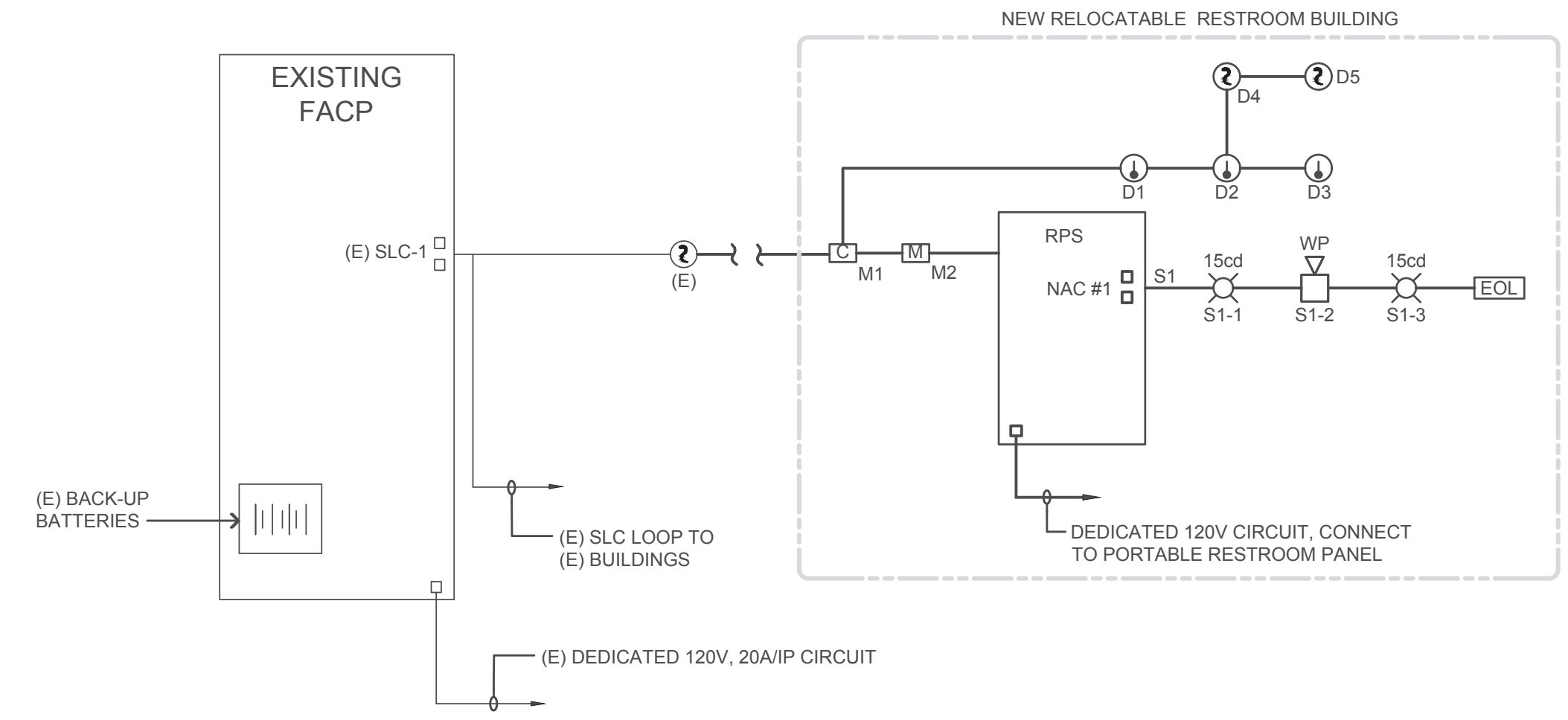
CONSULTANTS



AURUM CONSULTING ENGINEERS
 MONTEREY BAY, INC.
 Project No. 21-255.00
 60 Garden Court • Suite 210 • Monterey, CA 93940
 T: 831.646.3330 • F: 831.646.3332 • www.aecmb.com

NO.	DESCRIPTION	DATE

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1 FIRE ALARM RISER DIAGRAM
NO SCALE

NEW STUDENT TOILET BLDG FOR:
SPECKELS UNION SCHOOL DISTRICT
 AT
SPECKELS SCHOOL
 4TH & HATTON AVENUE, SPECKELS, CA
 FIRE ALARM RISER DIAGRAM AND BATTERY & VOLTAGE DROP CALCULATIONS

SHEET NUMBER
FA1.1
 DATE: 10 NOVEMBER 2021
 JOB: 21011 DRAWN: CADD

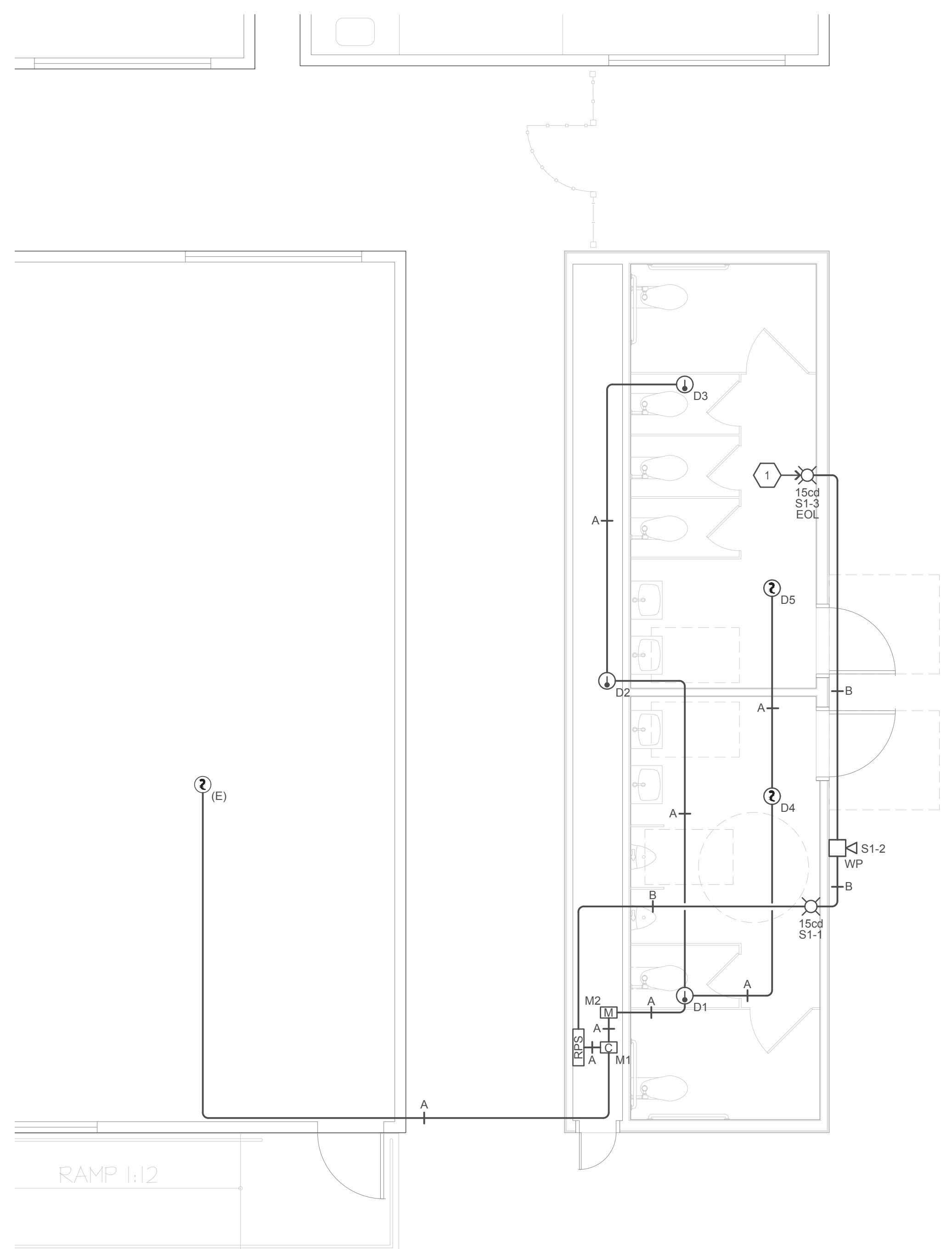
SHEET NOTES

- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON FACE OF DEVICE READING "EOL".

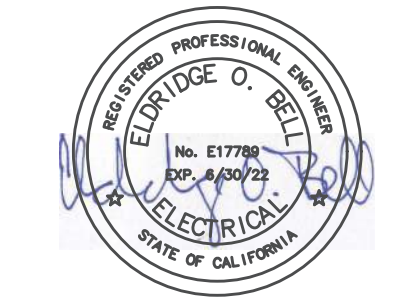
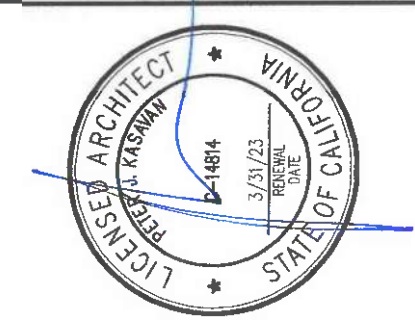
CABLE LEGEND

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR ETC.) UNLESS OTHERWISE NOTED. PROVIDE (1) #14 SHIELDED PAIR RUNS MARKED WITH CROSSHATCHES INDICATE THE NUMBER OF PAIRS WHEN MORE THAN ONE.

TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (HORN, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED. PROVIDE (1) PAIR OF #12 AWG. RUNS MARKED WITH CROSSHATCHES INDICATE THE NUMBER OF PAIRS WHEN MORE THAN ONE.



KASAVAN ARCHITECTS
 60 W. Market St., Suite 300
 Salinas, California 93901
 Voice 831.424.2232 Fax 831.424.2501



CONSULTANTS

AURUM CONSULTING ENGINEERS
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NO.	DESCRIPTION	DATE

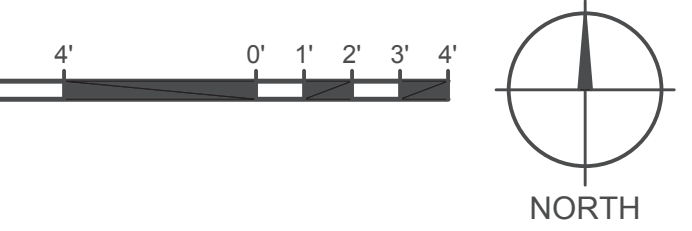
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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
 AT
SPRECKELS SCHOOL
 4TH & HATTON AVENUE, SPRECKELS, CA
FIRE ALARM PLAN

SHEET NUMBER
FA3.1

DATE: 10 NOVEMBER 2021
 JOB: 21011 DRAWN: CADD

1 FIRE ALARM PLAN
 SCALE: 1/4"=1'-0"



SECTION 16720 - FIRE ALARM SYSTEM

PART 1 - GENERAL

- 1.01 DESCRIPTION OF WORK:
- A. FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT INCLUDING ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND CONNECTIONS, AND PROVIDE ALL LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL SECTIONS OF DIVISION 16 AND ALL OTHER WORK AND MISCELLANEOUS ITEMS, NOT SPECIFICALLY MENTIONED, BUT REASONABLY INFERRED FOR A COMPLETE EXTENSION OF THE EXISTING ADDRESSABLE FIRE ALARM, INCLUDING ALL ACCESSORIES AND APPURTENANCES REQUIRED FOR TESTING THE SYSTEMS. IT IS IN THE INTENT OF THE DRAWINGS AND SPECIFICATIONS THAT ALL SYSTEMS WILL BE COMPLETE, AND READY FOR OPERATION. NO EXTRA CHARGE WILL BE PAID FOR FURNISHING ITEMS REQUIRED BY REGULATIONS, BUT NOT SPECIFIED HEREIN, OR ON DRAWINGS.
 - B. CONTRACTOR SHALL INCLUDE ALL COSTS TO DE-COMMISSION THE EXISTING SYSTEM BEFORE ANY NEW CONSTRUCTION CAN START. THE DISTRICT SHALL BE ADVISED IN WRITING THE DATE AS TO WHEN THE EXISTING SYSTEM WILL BE DE-COMMISSIONED. THE CONTRACTOR SCOPE OF WORK SHALL NOT DEGRADE ANY FUNCTION OR OPERATION OF THE REMAINING SITE FIRE ALARM SYSTEM.
- 1.02 RELATED WORK:
- 1. ALL OTHER SECTIONS OF DIVISION 16.
- 1.03 CODES AND STANDARDS:
- A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.
 - B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.
 - C. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEM SHALL BE LISTED BY THE CALIFORNIA STATE FIRE MARSHAL FOR THE SPECIFIC PURPOSE THE DEVICE OR EQUIPMENT IS USED.
 - D. WORK AND MATERIAL SHALL BE IN COMPLIANCE WITH AND ACCORDING TO THE REQUIREMENTS OF THE LATEST VERSION OF THE BUILDING CODES AS NOTED ON DRAWINGS.
- 1.04 SUBMITTALS:
- A. IN ACCORDANCE WITH DIVISION 16.
 - B. SUBMIT THE FOLLOWING ITEMS:
 - 1. MANUFACTURER'S CATALOG DATA: MANUFACTURER'S ORIGINAL CATALOG CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND EQUIPMENT WITH SUFFICIENT INFORMATION PROVIDED SO THAT THE EXACT FUNCTION OF EACH DEVICE IS KNOWN. EACH ITEM SUPPLIED SHALL BE CLEARLY IDENTIFIED INCLUDING BOTH U.L. NUMBER AND A COPY OF THE STATE FIRE MARSHAL'S LISTING.
 - C. DESCRIPTION OF CONDUCTORS TO BE USED WITH A STATEMENT THAT ALL WIRE SHALL BE IN CONDUIT, WHERE ACCESSIBLE CEILING OCCURS, PLENUM RATED WIRE ON J-HOOKS IS ACCEPTABLE.
- 1.05 QUALITY ASSURANCE:
- A. INSTALLER: THE INSTALLATION FIRM SHALL BE AN ESTABLISHED COMMUNICATIONS AND ELECTRONICS CONTRACTOR WITH AT LEAST 5 YEARS SUCCESSFUL INSTALLATION EXPERIENCE OF PRODUCTS UTILIZING INTEGRATED COMMUNICATIONS SYSTEMS AND EQUIPMENT SPECIFIC TO THAT REQUIRED FOR THIS PROJECT. ONLY CALIFORNIA CERTIFIED FIRE ALARM TECHNICIANS OR CALIFORNIA CERTIFIED ELECTRICIAN SHALL BE USED TO INSTALL THE FIRE ALARM SYSTEM.
 - B. ALL MATERIALS, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW, AND FREE FROM ANY DEFECTS. ALL ITEMS OF EQUIPMENT INCLUDING WIRE AND CABLE SHALL BE DESIGNED BY THE MANUFACTURER UNLESS OTHERWISE SPECIFIED, SHALL FUNCTION AS A COMPLETE SYSTEM AND SHALL BE ACCOMPANIED BY THE MANUFACTURER'S COMPLETE SERVICE NOTES AND DRAWINGS DETAILING ALL INTERCONNECTIONS.
 - C. THE CONTRACTOR SHALL SHOW SATISFACTORY EVIDENCE, UPON REQUEST, THAT HE MAINTAINS A FULLY EQUIPPED SERVICE ORGANIZATION CAPABLE OF FURNISHING ADEQUATE INSPECTION AND SERVICE TO THE SYSTEM. THE CONTRACTOR SHALL MAINTAIN AT HIS FACILITY THE NECESSARY SPARE PARTS IN THE PROPER PROPORTION AS RECOMMENDED BY THE MANUFACTURER TO MAINTAIN AND SERVICE THE EQUIPMENT BEING SUPPLIED.
 - D. THE SYSTEM MANUFACTURER SHALL MAINTAIN ENGINEERING AND SERVICE DEPARTMENTS CAPABLE OF RENDERING ADVICE REGARDING INSTALLATION AND FINAL ADJUSTMENT OF THE SYSTEM.
- 1.06 WARRANTIES:
- A. THE CONTRACTOR SHALL WARRANT ALL EQUIPMENT AND WIRING FREE FROM INHERENT MECHANICAL AND ELECTRICAL DEFECT FOR ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL WITHOUT ADDITIONAL EXPENSE TO THE OWNER, REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT PROVIDED BY HIM UNDER THIS CONTRACT WITHIN THE WARRANTY PERIOD.

PART 2 - PRODUCTS

- 2.01 FIRE ALARM CONTROL PANEL:
- A. THE FIRE ALARM CONTROL PANEL IS EXISTING TO REMAIN. SEE DRAWINGS FOR EXTENSION OF THE EXISTING SYSTEM.
- 2.02 BATTERY CHARGER:
- A. BATTERY CHARGER IS EXISTING TO REMAIN.
- 2.05 DETECTION DEVICES:
- A. DETECTORS: AS NOTED ON DRAWINGS


- 2.06 ALARM NOTIFICATION DEVICES:
- A. COLOR OF NOTIFICATION APPLIANCES SHALL BE RED, UNLESS OTHERWISE NOTED BY DISTRICT.
 - B. ALL ALARM NOTIFICATION DEVICES SHALL BE SYNCHRONIZED THROUGHOUT THE SCHOOL CAMPUS.
 - C. HORNSTROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY SUPERVISED CIRCUIT. HORNSTROBES SHALL BE PROVIDED WITH A RED, TAMPER RESISTANT GRILL. HORN SHALL HAVE A MINIMUM SOUND RATING OF 90 DBA AT 10 FEET AND HAVE FIELD SELECTABLE SOUND LEVELS. HORNS SHALL BE CAPABLE OF PROVIDING A SYNCHRONIZED, FIELD SELECTABLE, TEMPORAL CODE 3 TONE. HORNS SHALL HAVE A SEPARATE MINIMUM CANDELA AS SHOWN ON THE DRAWINGS AND FLASH 60 TIMES PER MINUTE UNLESS OTHERWISE NOTED. LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS. HOUSING SHALL BE LABELED "FIRE" IN RED VERTICAL LETTERING.
- 2.07 WIRING AND CONDUIT:
- A. PROVIDE WIRING IN ACCORDANCE WITH NFPA 72.
 - B. CONDUCTORS SHALL BE SOLID COPPER. CONDUCTORS FOR 120 VOLT CIRCUITS SHALL BE NO. 12 AWG MINIMUM; CONDUCTORS FOR LOW-VOLTAGE DC CIRCUITS SHALL BE NO. 14 AWG MINIMUM FOR ANNUNCIATION CIRCUITS AND NO. 14 AWG MINIMUM FOR INITIATION CIRCUITS. ALL CABLES SHALL BE RATED AND CODE COMPLIANT FOR THEIR USE.
1. ALL LOW VOLTAGE WIRING NOT INSTALLED IN CONDUITS SHALL BE PLENUM RATED.
2. PROVIDE COLOR-CODED CONDUCTORS. IDENTIFY CONDUCTORS BY PLASTIC-COATED, SELF-STICKING, PRINTED MARKERS OR BY HEAT-SHRINK TYPE SLEEVES. EACH CONDUCTOR USED FOR THE SAME SPECIFIC FUNCTION SHALL BE DISTINCTLY COLOR CODED. USE DIFFERENT COLOR CODES FOR EACH INTERIOR CIRCUIT. EACH CIRCUIT COLOR CODE WIRE SHALL REMAIN UNIFORM THROUGHOUT THE CIRCUIT.
3. PIGTAIL OR "T" TAP CONNECTIONS TO THE EVACUATION ALARM HORNS, HORNSTROBES AND STROBES ARE NOT ACCEPTABLE.
4. UNDERGROUND CIRCUIT OR CIRCUITS IN WET AREAS SHALL BE GEL FILLED CABLES IN SCHEDULED 40 PVC CONDUIT. THERE SHALL BE NO SPLICING OF ANY UNDERGROUND CABLES.
- C. CONDUITS:
- 1. IDENTIFICATION OF CONDUIT, UNLESS OTHERWISE NOTED ON DRAWINGS ALL FIRE ALARM CABLEING SHALL BE INSTALLED IN CONDUIT. NEW CONDUITS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE RED, 3/4" MINIMUM. JUNCTION-BOXES, COVERS, GUTTERS, AND TERMINAL CABINETS, CONTAINING FIRE ALARM SYSTEM CONDUCTORS, SHALL BE PAINTED RED OR PROVIDED RED IN COLOR WITH ENGRAVED PLASTIC IDENTIFICATION SIGNS PERMANENTLY ATTACHED TO THE EQUIPMENT.
 - 2. DO NOT RUN FIRE ALARM CIRCUITS IN THE SAME CONDUIT WITH THE NON-FIRE ALARM CIRCUITS.
 - 3. DO NOT RUN AC CIRCUITS IN THE SAME CONDUIT WITH THE FIRE ALARM CIRCUITS.
 - 4. PROVIDE WIRING IN RIGID METAL CONDUIT FOR EXTERIOR INSTALLATIONS OR WHERE EXPOSED TO DAMAGE.
 - 5. CONCEAL CONDUIT IN FINISHED AREAS OF NEW CONSTRUCTION AND WHEREVER PRACTICAL IN EXISTING CONSTRUCTION. CONDUIT RUNS SHALL BE STRAIGHT, NEATLY ARRANGED PROPERLY SUPPORTED AND PARALLEL OR PERPENDICULAR TO WALLS AND PARTITIONS. IDENTIFY CONDUCTORS WITHIN EACH ENCLOSURE WHERE A TAP, SPLICE, OR TERMINATION IS MADE.

PART 3 - EXECUTION

- 3.01 INSTALLATION:
- A. EQUIPMENT, MATERIALS, INSTALLATION, WORKMANSHIP, INSPECTION, AND TESTING SHALL BE IN ACCORDANCE WITH THE NFPA PUBLICATIONS AND AS MODIFIED HEREIN.
 - B. FOLLOW MANUFACTURER'S DIRECTIONS IN ALL CASES FOR INSTALLATION, TESTING AND ENERGIZING.
 - C. ACCURATELY SET, LEVEL, SUPPORT, AND FASTEN ALL EQUIPMENT.
 - D. SMOKE AND HEAT DETECTORS:
 - 1. NO DETECTOR SHALL BE LOCATED CLOSER THAN 12 INCHES TO ANY PART OF ANY LIGHTING FIXTURE, DETECTOR, LOCATED IN AREAS SUBJECT TO MOISTURE OR EXTERIOR ATMOSPHERIC CONDITIONS, OR HAZARDOUS LOCATIONS AS DEFINED BY NFPA 70, SHALL BE APPROVES FOR SUCH LOCATIONS.
 - 2. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC ACTIVITY AREAS SUCH AS GYMS, WRESTLING ROOMS, SHOWER ROOMS.
 - E. CONDUIT WHERE EXPOSED SHALL BE INSTALLED PARALLEL WITH THE WALLS OR STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO BE LEVEL OR PARALLEL WITH STRUCTURE; CONDUIT GROUPED NEATLY TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNIFORMLY SPACED.
 - F. EARTHQUAKE RESISTANT INSTALLATION/FASTENING OF ALL ELECTRICAL EQUIPMENT SHALL CONFORM TO THE GENERAL REQUIREMENTS OF SECTION 1614A OF THE CALIFORNIA BUILDING CODE.
- 3.02 PRELIMINARY TESTS:
- A. CONDUCT THE FOLLOWING TESTS DURING INSTALLATION OF WIRING AND SYSTEM COMPONENTS. CORRECT DEFICIENCY PERTAINING TO THESE REQUIREMENTS PRIOR TO FORMAL FUNCTIONAL AND OPERATIONAL TESTS OF THE SYSTEM. PRELIMINARY TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY AND PROJECT INSPECTOR OF RECORD TO DETERMINE THE CONFORMANCE WITH THE SPECIFIED REQUIREMENTS.
 - B. GROUND RESISTANCE: MEASURE THE RESISTANCE OF EACH CONNECTION TO GROUND. GROUND RESISTANCE SHALL NOT EXCEED 10 OHMS.
 - C. DIELECTRIC STRENGTH INSULATION RESISTANCE: TEST THE DIELECTRIC STRENGTH AND THE INSULATING RESISTANCE OF THE SYSTEM INTERCONNECTING WIRING BY MEANS OF AN INSTRUMENT CAPABLE OF GENERATING 500 VOLTS OF DC AND EQUIPPED TO INDICATE LEAKAGE CURRENT 1000 MEGOHMS. FOR THE PURPOSE OF THIS TEST, CONNECT THE INSTRUMENT BETWEEN EACH CONDUCTOR ON THE LINE AND BETWEEN EACH CONDUCTOR AND GROUND AT THE CONTROL PANEL END OF THE LINE. WITH THE OTHER EXTREMITY OPEN CIRCUITED AND ALL SERIES-CONNECTED DEVICES IN PLACE, THE SYSTEM SHALL WITHSTAND THE TEST WITHOUT BREAKDOWN AND SHALL INDICATE A RESISTANCE OF NOT LESS THAN 1.0 MINUTE WITH A DC POTENTIAL OF NOT LESS THAN 100 VOLTS AND NOT MORE THAN 500 VOLTS.
 - D. STANDBY BATTERY TEST: PRIOR TO FORMAL INSPECTION AND TESTS, PLACE THE FIRE ALARM SYSTEM ON STANDBY BATTERY POWER FOR 24 HOURS; IMMEDIATELY THEREAFTER, SOUND THE BUILDING EVACUATION ALARM SIGNALING DEVICES FOR 5 MINUTES. WHEN THE TEST IS COMPLETE, THE FIRE ALARM SYSTEM BATTERY CHARGER SHALL BE FULLY RECHARGED WITHIN 24 HOURS.

- A. FIELD INSPECTION AND TEST:
- 1. BEFORE FINAL ACCEPTANCE OF THE WORK, PRE-TEST SYSTEM TO DEMONSTRATE COMPLIANCE WITH THE CONTRACT REQUIREMENTS. SYSTEM SHALL BE SUBJECTED TO COMPLETE FUNCTIONAL AND OPERATIONAL TESTS, INCLUDING TESTS IN PLACE OF EACH DETECTOR. WHEN TESTS HAVE BEEN COMPLETED AND CORRECTIONS MADE, SUBMIT A SIGNED AND DATED NFPA CERTIFICATE OF COMPLETION ALONG WITH A COMPLETED TESTING MATRIX WITH THE REQUEST FOR FORMAL INSPECTION AND TESTS.
 - 2. WHERE APPLICATION OF HEAT WOULD DESTROY A HEAT DETECTOR, IT MAY BE MANUALLY ACTIVATED.
 - 3. VERIFY THE PROPER RECEIPT OF THE ALARM SIGNALS AT THE CENTRAL STATION FOR THE UDCAT PROVIDE PRINTOUT OF TEST REPORTS. IT SHALL BE THE SOLE OBLIGATION OF THE CONTRACTOR TO COORDINATE AND TO PROVIDE ALL TESTING DOCUMENTATION FROM THE CENTRAL STATION.
 - 4. THE COMMUNICATION LOOPS AND THE INDICATING APPLIANCE CIRCUITS SHALL BE OPENED IN AT LEAST TWO LOCATIONS PER ZONE TO CHECK FOR THE PRESENCE OF CORRECT SUPERVISORY CIRCUITRY.
 - 5. PERFORM THE FIELD INSPECTION AND TEST IN THE PRESENCE OF THE MANUFACTURER'S REPRESENTATIVE, THE OWNER'S REPRESENTATIVE, LOCAL FIRE AUTHORITY AND PROJECT INSPECTOR OF RECORD (IOR).
 - 6. TEST EQUIPMENT: IT SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO FURNISH TOOLS, INSTRUMENTS, AND MATERIALS REQUIRED FOR A THOROUGH TEST OF THE SYSTEM. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:
 - a. VOM METER
 - b. MANUFACTURER'S RECOMMENDED SMOKE DETECTOR TESTING DEVICE AND SENSITIVITY TEST EQUIPMENT.
 - c. HEAT SOURCE FOR TESTING HEAT DETECTORS.
 - d. KEYS TO ALL CONTROL PANELS.
 - e. LADDERS
- 3.03 PROJECT CLOSEOUT:
- A. AS BUILT DRAWINGS:
 - 1. COMPLETE, ACCURATE, STEP-BY-STEP TESTING INSTRUCTIONS GIVING RECOMMENDED AND REQUIRED TESTING FREQUENCY OF ALL EQUIPMENT, METHODS FOR TESTING EACH INDIVIDUAL PIECE OF EQUIPMENT, AND TROUBLESHOOTING MANUAL EXPLAINING HOW TO TEST THE PRELIMINARY INTERNAL PARTS OR EACH PIECE OF EQUIPMENT SHALL BE DELIVERED UPON COMPLETION OF THE SYSTEM.
 - B. MAINTENANCE INSTRUCTIONS SHALL BE COMPLETE, EASY TO READ, UNDERSTANDABLE, AND SHALL PROVIDE THE FOLLOWING INFORMATION:
 - 1. INSTRUCTIONS ON REPLACING ANY COMPONENTS OF THE SYSTEM, INCLUDING INTERNAL PARTS.
 - 2. INSTRUCTIONS ON PERIODIC CLEANING AND ADJUSTMENT OF EQUIPMENT WITH A SCHEDULE OF THESE FUNCTIONS.
 - 3. A COMPLETE LIST OF ALL EQUIPMENT AND COMPONENTS WITH INFORMATION AS TO THE ADDRESS AND TELEPHONE NUMBER OF BOTH THE MANUFACTURER AND LOCAL SUPPLIER OF EACH ITEM.

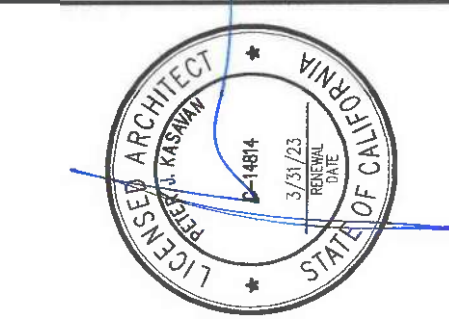
DSA APPROVAL



KASAVAN ARCHITECTS

60 W. Market St., Suite 300
Voice 831.424.2232

Saltinas, California 93901
Fax 831.424.2501



CONSULTANTS



AURUM CONSULTING ENGINEERS
MONTEREY BAY, INC.
Project No. 21-295.00
60 Garden Court • Suite 210 • Monterey, CA 93940
T: 831.648.3330 • F: 831.648.3338 • www.aecmh.com

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NO.	DESCRIPTION	DATE

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NEW STUDENT TOILET BLDG FOR:
SPRECKELS UNION SCHOOL DISTRICT
AT
SPRECKELS SCHOOL
4TH & HATTON AVENUE, SPRECKELS, CA
FIRE ALARM SPECIFICATIONS

SHEET NUMBER
FA4.1

DATE: 10 NOVEMBER 2021
JOB: 21011 DRAWN: CADD

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

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

7. CAST-IN-PLACE CONCRETE (ONLY APPLIES WHEN CONCRETE FLOOR AND/OR CONCRETE FOUNDATION OPTION IS USED)			
Material Verification and Testing:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
<input checked="" type="checkbox"/> b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-14 Section 26.6.1.2; DSA IR 17-10. (See Appendix for exemptions.)
<input checked="" type="checkbox"/> c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-14 Sections 26.5 & 26.12.
<input checked="" type="checkbox"/> d. Test concrete (f _c).	Test	LOR	1905A.1.15; ACI 318-14 Section 26.12.
Inspection:			
<input checked="" type="checkbox"/> 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 Appendix for exemptions.)
<input type="checkbox"/> f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category 19.1(d) & (e) and/or 19.2(g) & (h) below.		

17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
Material Verification and Testing:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a-3c, 2202A.1; AISI S100-16 Section A3.1 & A3.2, AISI S240-15 Section A3 & A5, AISI S220-15 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
<input checked="" type="checkbox"/> b. Test unidentified materials.	Test	LOR	2202A.1.
<input checked="" type="checkbox"/> c. Examine seam welds of HSS shapes.	Periodic	SI	DSA IR 17-3.
Inspection:			
<input checked="" type="checkbox"/> d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).

19. WELDING: 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 (See Appendix for exemptions.)

Verification of Materials, Equipment, Welders, etc.:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
<input checked="" type="checkbox"/> b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
<input checked="" type="checkbox"/> c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

19.1 SHOP WELDING:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
<input checked="" type="checkbox"/> b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	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.
<input checked="" type="checkbox"/> 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.
<input type="checkbox"/> d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
<input type="checkbox"/> e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

19.2 FIELD WELDING:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
<input checked="" type="checkbox"/> b. 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.
<input checked="" type="checkbox"/> c. 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.
<input checked="" type="checkbox"/> d. Inspect floor and roof deck welds.	Periodic	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.
<input checked="" type="checkbox"/> 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 S240-15 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
<input checked="" type="checkbox"/> 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 specifically approved by DSA.
<input type="checkbox"/> 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.
<input type="checkbox"/> h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

20. NONDESTRUCTIVE TESTING:			
1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2.
<input checked="" type="checkbox"/> b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2.
<input type="checkbox"/> c.	Test	LOR	

PROJECT SPECIFIC STATE AGENCY APPROVAL

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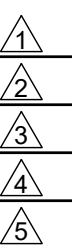
PROJECT NAME:

**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

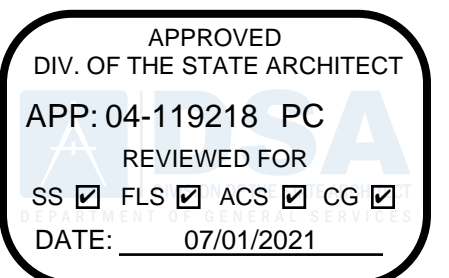
SHEET TITLE:

T & I FORMS

REVISIONS



PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.



Building for the Next Generation

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 06-22-2020

P.C. SHEET NUMBER

A-0A

REFLECTED CEILING NOTES

1. CEILING SYSTEM GENERAL NOTES:

- 1.01 Ceiling system components shall comply with ASTM C635-17 and Section 5.1 of ASTM E580-17
- 1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-17
- 1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer's Name ARMSTRONG
 Product Evaluation Report Type and Number ICC ESR-1308
 Manufacturer's Model Number - main runner 7301
 Manufacturer's catalog number - cross runner XL7329

- 1.04 Seismic Wall Clip:
 Manufacturer's Model BERC-2
- 1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.
- 1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide "x" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 3/4" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. MATERIALS:

- 2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.
- 2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/posts) shall conform to ASTM A653-15, or other equivalent steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2016, (AISI S100 - 16). Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.
- 2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES:

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

4. FASTENERS AND WELDING:

- 4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.
- 4.02 Expansion anchors shall be: **NOT APPLICABLE**
- 4.03 Power-Actuated Fasteners shall be: **NOT APPLICABLE**
- 4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
- 4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.
- 4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.
- 4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING:

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

6. LIGHT FIXTURES:

- 6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.
- 6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8) feet.
- 6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- 6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- 6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above. Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.
- 6.06 All light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. SERVICES WITHIN THE CEILING:

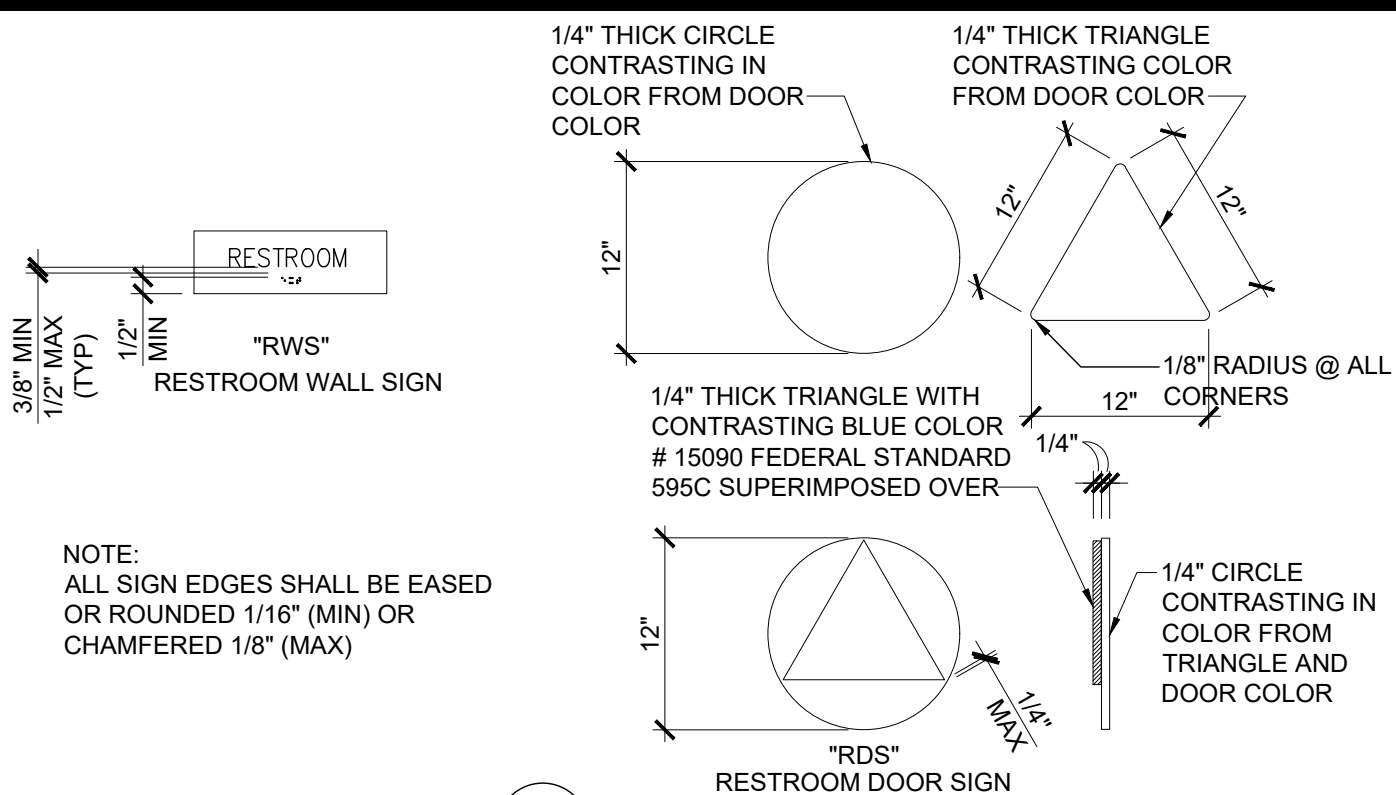
- 7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
- 7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.
- 7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
- 7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING:

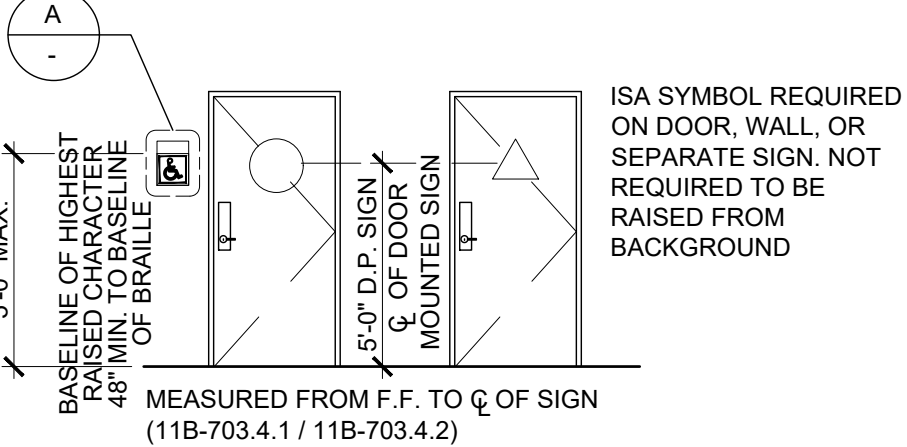
- 8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than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

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

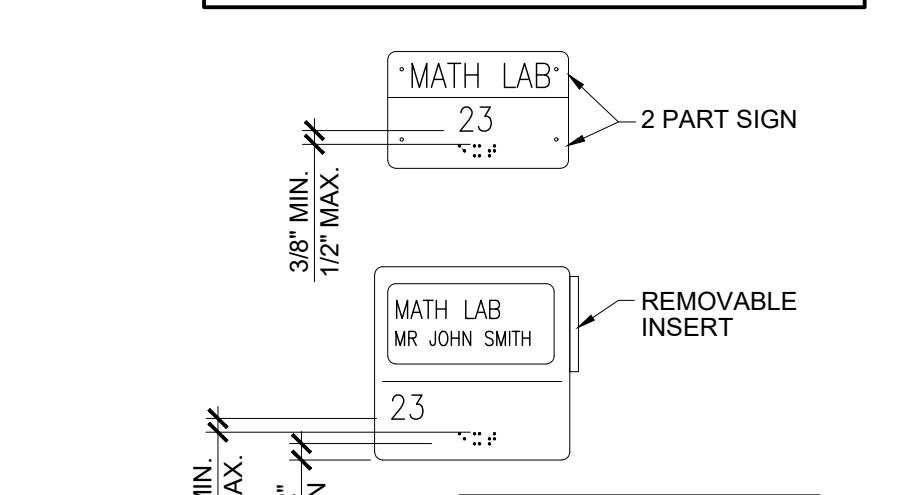
NOTE:
 PER CBC SECTION 718.2.1. FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED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



NOTE:
 ALL SIGN EDGES SHALL BE EASED OR ROUNDED 1/16" (MIN) OR CHAMFERED 1/8" (MAX)



MOUNTING HEIGHT NOTE:
 48" MIN AFF TO BASELINE OF LOWEST BRAILLE 60" MAX AFF TO BASELINE OF HIGHEST RAISED CHARACTER



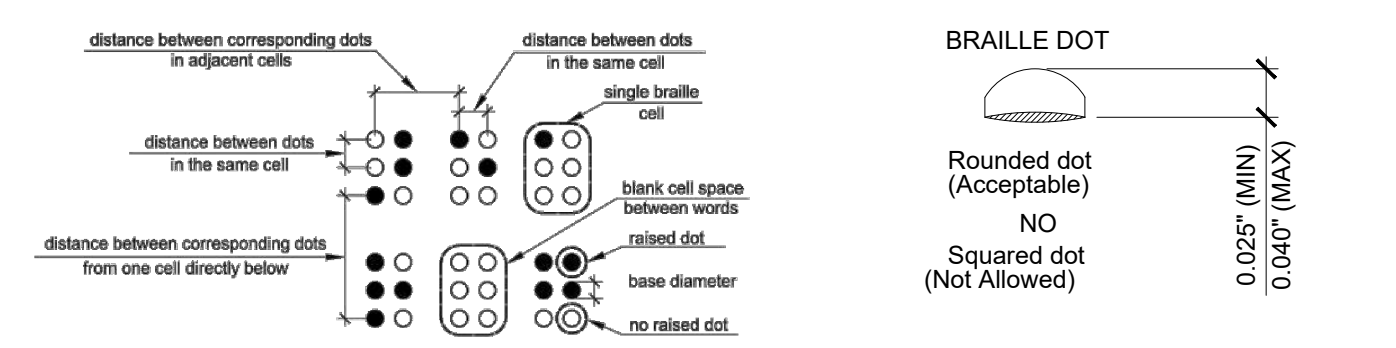
NOTE:
 TACTILE SIGNS TO BE PROVIDED AND INSTALLED ON SITE BY OTHERS, NOT SCI. AND SHALL COMPLY W/ CBC 11B-703

SIGNAGE TEMPLATES

COORDINATE WITH SIGNAGE NOTES (BELOW)

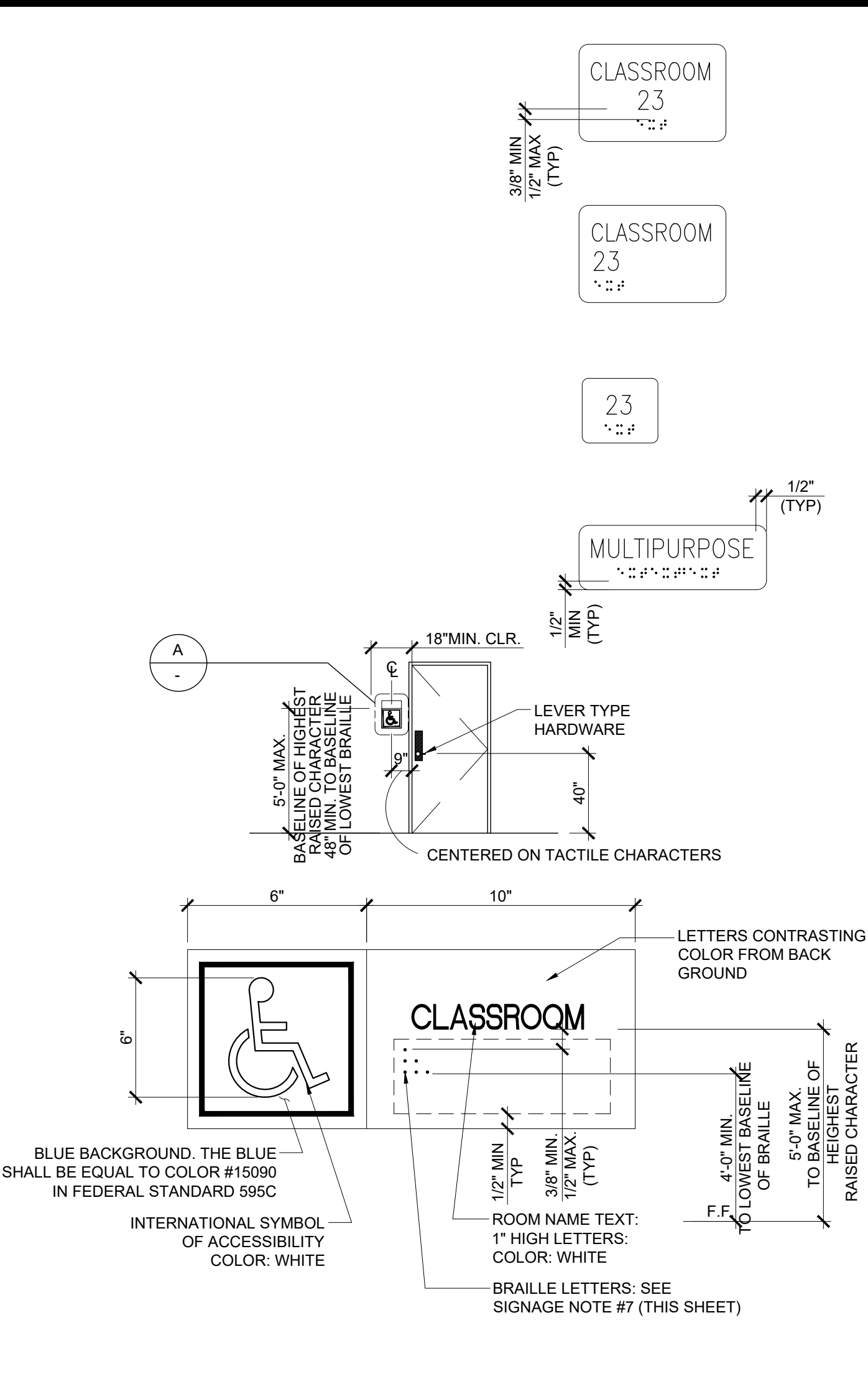
SIGNAGE NOTES

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 mm) MINIMUM ABOVE THEIR BACKGROUND AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE NOTE 5 BELOW) 11B-703.2.1 & 11B-703.2.2 & 11B-703.2.3.
 2. CHARACTER HEIGHT: CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (15.9 mm) MINIMUM AND 2 INCH (51 mm) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER 'T'. 11B-703.2.5
 3. FINISH AND CONTRAST: SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH SYMBOLS. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND. 11B-703.7.1.
 4. PROPORTIONS: VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER 'O' IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER 'T'. STROKE THICKNESS OF THE UPPERCASE 'I' SHALL BE 15% MAX OF THE HEIGHT OF THE CHARACTER. 11B-703.2.4 & 11B-703.2.6
- VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER 'O' IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER 'I'. STROKE THICKNESS OF THE UPPERCASE 'I' SHALL BE 10% MIN. AND 20% MAX OF THE HEIGHT OF THE CHARACTER.
- TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:
- | | | | | |
|-----------------|-----------------|---------------------|----------------------|----------------------|
| 1:1.10
110% | 3:5
60% | 1:5
20% | 1:10
10% | 1:15
15% |
| CHARACTER WIDTH | CHARACTER WIDTH | VISUAL STROKE WIDTH | TACTILE STROKE WIDTH | TACTILE STROKE WIDTH |
5. CHARACTER SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX). WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE BASE OF THE CROSS SECTIONS, AND 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" (MIN). 11B-703.2.7
 6. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% (MIN) AND 170% (MAX) OF THE RAISED CHARACTER HEIGHT. 11B-703.2.8
 7. BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4. DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. 11B-703.3.1.



MEASUREMENT RANGE	MINIMUM IN INCHES	MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)	
Distance between two dots in the same cell ⁽¹⁾ (Row-to-R)	0.100 (2.5 mm)	
Distance between corresponding dots in adjacent cells ⁽¹⁾ (Row-to-R)	0.300 (7.6 mm)	
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)	
Distance between corresponding dots from one cell directly below ⁽¹⁾ (Row-to-B)	0.395 (10 mm) to 0.400 (10.2 mm)	

1. Measured center to center.



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

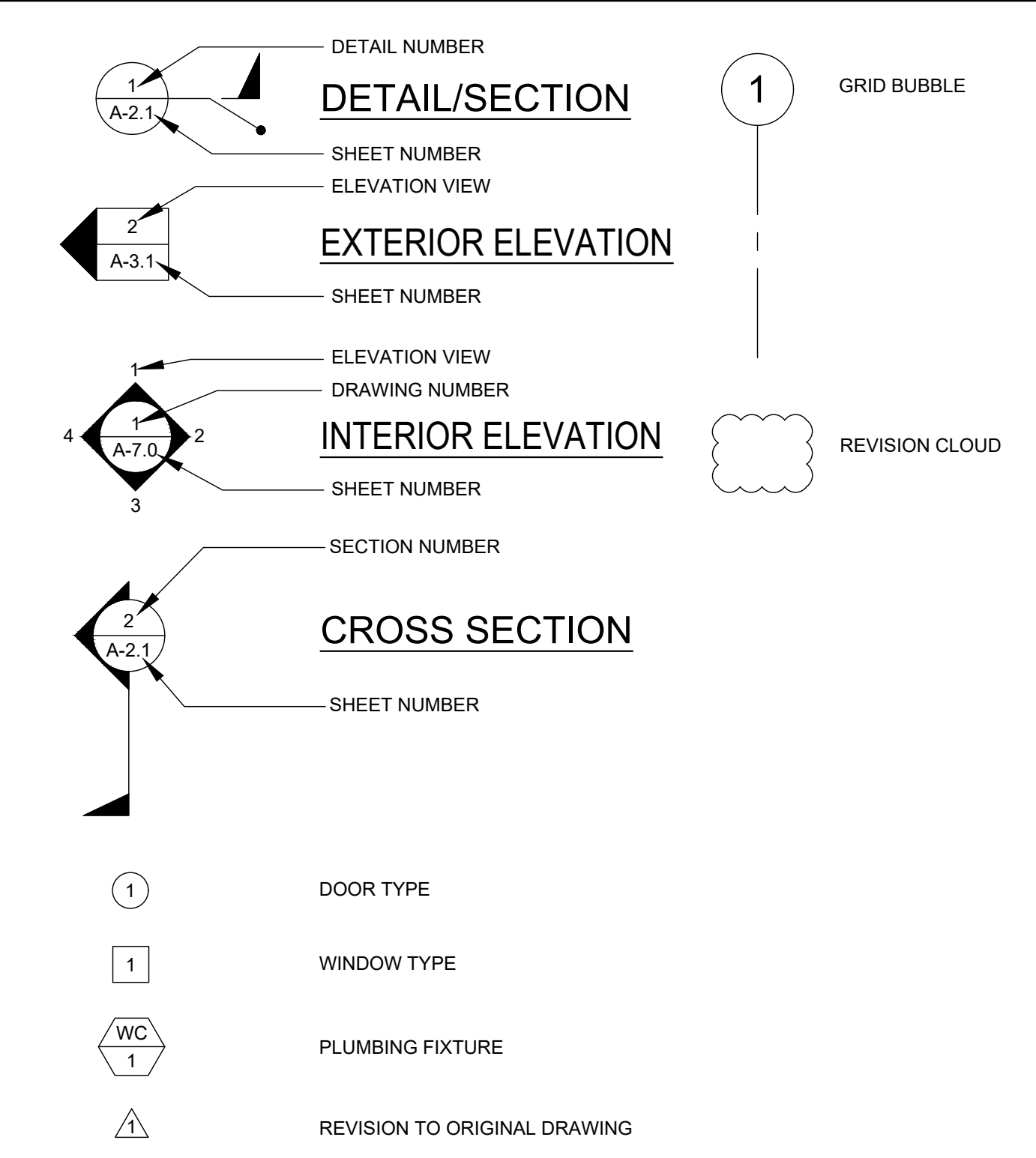
A ROOM IDENTIFICATION ROOM SIGNAGE (BY DISTRICT)

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

COORDINATE WITH SIGNAGE NOTES 1 THROUGH 7 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND



ABBREVIATIONS

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

SPECIFICATIONS

- DIVISION 5 - METALS**
- ALL WELDED JOINTS AND SURFACES SHALL BE GROUNDED SMOOTH, NO SHARP OR ABRASIVES CORNERS, EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAILS SHALL BE SMOOTH.
 - ALL HANDRAILS SHALL BE ROUND OR SHALL HAVE RADIUSED EDGES (r = 1/8" MIN)
- DIVISION 6 - WOOD AND PLASTICS**
- ALL CABINET AND DRAWERS WILL HAVE U-SHAPED WIRE PULLS
- DIVISION 9 - FINISHES**
- CEILING INSTALLATION SHALL BE PER THE NOTES PROVIDED ON THIS SHEET.
- DIVISION 10 - SPECIALITIES**
- ALL TOILET ACCESSORIES SHALL BE INSTALLED AT THE HEIGHT AND CLEARANCES SHOWN ON SHEET P-1.01
- DIVISION 22 - PLUMBING**
- FAUCETS SHALL BE LEVER OPERATED (4" MIN BLADE) OR SHALL BE PUSH TYPE OR AUTOMATIC ELECTRONICALLY CONTROLLED. CONTROLS TO BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.
 - FORCE TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 LBS
 - FORCE TO REMAIN OPEN FOR A MINIMUM OF 10 SECONDS WHEN SELF CLOSING VALVES ARE USED
 - PIPE COVERS SHALL BE PROVIDED FOR WATER LINES AND DRAIN PIPES UNDER ACCESSIBLE SINKS AND LAVATORIES
 - ACCESSIBLE SINKS SHALL NOT BE DEEPER THAN 6 1/2"

ASSISTIVE LISTENING SYSTEM

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES, INC.
 12' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

P.C. SHEET NUMBER
A-0.1

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PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM

SHEET TITLE: SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-119218 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK
 Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

REGISTERED PROFESSIONAL ENGINEER
 JOHN W. STARK
 CIVIL ENGINEER
 STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

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ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
GIRLS 101	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
BOYS 102	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
STAFF 103	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
CUSTODIAL 104	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
PLUMBING CHASE	---	---	---	---	---	---	---	---	

FLOOR, WALL, CEILING MATERIALS

FLOORING
 CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
 SV: SHEET VINYL FLOORING W/ FULLY SEALED JOINTS
 VCT: VINYL COMPOSITION TILE

BASE
 4" TS: 4" TOP SET BASE
 6" TS: 6" TOP SET BASE
 SC: 6" SELF-GOVE BASE

WALLS
 TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
 FRP: 1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
 GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
 PLY: 1/2" PLYWOOD FINISH
 NF: NO FINISH

CEILING
 CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
 HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
 GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

FINISH NOTES

- ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
- PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
- RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
- CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2019 CBC. CARPET EDGED SHALL COMPLY WITH THE 2019 CBC

DOOR HARDWARE

BOYS & GIRLS RESTROOM -		EXTERIOR DOOR HW-1	
LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA (OPTIONAL)	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

STAFF RESTROOM -		EXTERIOR DOOR HW-2	
LOCKSET	SCHLAGE ND85PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

CHASE EXTERIOR DOOR -		EXTERIOR DOOR HW-3	
LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal

CUSTODIAL -		EXTERIOR DOOR HW-4	
LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:
 DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD;) SMOKE DEVELOPMENT DENSITY LESS THAN 450.
 MATERIAL:
 INSULATING MATERIAL FOR WALLS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING, JOHNS-MANVILLE, OR EQUAL.
 INSULATING MATERIAL FOR ROOFS SHALL BE CLOSED CELL SPRAY FOAM AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL HAVE A MINIMUM R-VALUE OF R-6 PER EACH INCH OF THICKNESS, AN AIR PERMEANCE RATE OF NOT MORE THAN 0.02 U/s AT 75 Pa, AND A WATER VAPOR TRANSMISSION RATE OF NOT MORE THAN 0.9 PERMS. THE FOAM SHALL BE APPLIED TO FILL ALL VOIDS IN THE ROOF FRAMING MEMBERS.

MIN INSULATION VALUES:
 EXTERIOR WALL INSULATION (MIN.)
 R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY)
 R-19 (6" WALL)
 R-30 (8" WALL)
 INTERIOR WALL INSULATION (MIN.)
 R-13
 FLOOR INSULATION
 NONE (CONCRETE MASS)
 R-19 (MIN)
 ROOF INSULATION (MIN.)
 R-30 (CLOSED CELL SPRAY FOAM)

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
SCHEDULES

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
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P.C. SHEET NUMBER
A-0.2

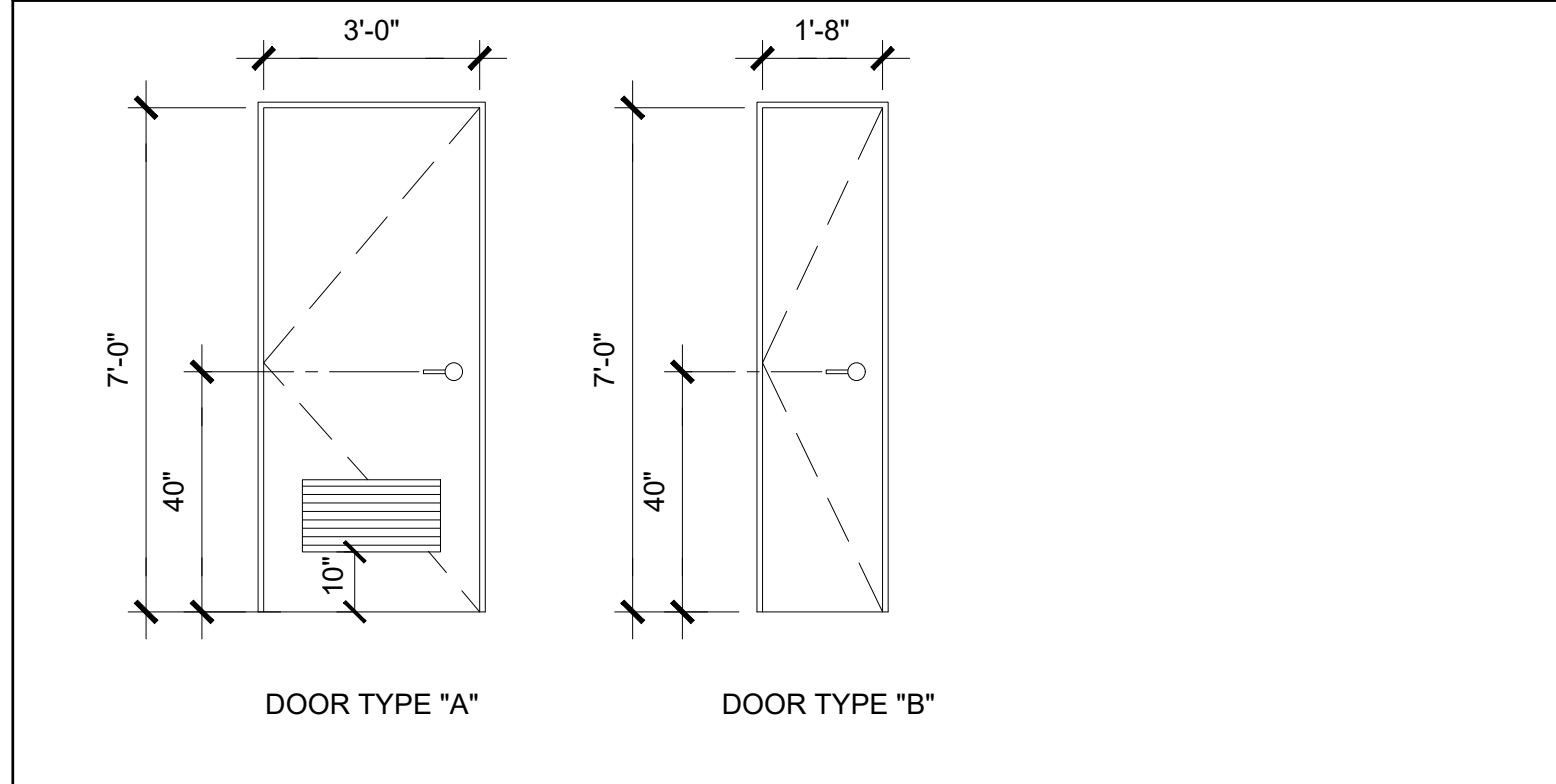
DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES
1	3'-0"	7'-0"	A		HM	KD	HW - 1		
2	3'-0"	7'-0"	A		HM	KD	HW - 2		NO CLOSER
3	1'-8"	7'-0"	B		HM	KD	HW - 3		
4	3'-0"	7'-0"	A		HM	KD	HW - 4		

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM:	18GA HOLLOW METAL	KD:	KNOCK DOWN FRAME	EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX
WF:	16GA WELDED FRAME	SCL:	SOLID CORE WOOD LEGACY	
AL:	ALUMINUM	HC:	HOLLOW CORE WOOD	
SST:	STAINLESS STEEL	PT:	PAINTED	

DOOR TYPES & NOTES



- DOOR HANDLE FOR LOCK SETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF
- ALL EXIT DOORS TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
- ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
- CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS
- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
- ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 & 1010.
- DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR.
- PANIC AND FIRE EXIT HARDWARE, WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
 -THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
 -THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2019 CBC. PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10
- ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES.
- ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE AND WILL OPERATE WITH 5 LBS OR LESS FORCE
- FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 NRC-CBC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-CBC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory commissioning requirements in §120.8 for nonresidential buildings and hotels/motels or high-rise residential buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 1 of 6
 Project Address: Date Prepared: 2020-06-16

A. GENERAL INFORMATION
 01 Project Location (city) 04 Building Size (ft²) 480
 02 Occupancy Type Nonresidential 05 Nonresidential Conditioned Floor Area (ft²) < 10,000 ft²
 03 Project Type Newly constructed 06 HVAC System Type Unitary or packaged equipment each serving one zone

B. PROJECT SCOPE
 Table Instructions: Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per §120.8. Table B is not editable by the user.
Commissioning Requirements per §120.8

01 Table F: Design Review Kickoff	§120.8(g)(1) and §120.8(g)(2)	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02 Table G: Owner's Project Requirements (OPR)	§120.8(h)	This requirement does not apply.
03 Table H: Basis of Design (BOD)	§120.8(i)	This requirement does not apply.
04 Table I: Design Review	§120.8(j) and §120.8(k)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with a 10,000 ft² of nonresidential conditioned floor area, or with complex mechanical systems, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05 Table J: Commissioning Plan	§120.8(l)	This requirement does not apply.
06 Table K: Functional Performance Testing	§120.8(m)	This requirement does not apply.
07 Table L: Documentation and Training	§120.8(n)	This requirement does not apply.
08 Table M: Commissioning Report	§120.8(o)	This requirement does not apply.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> December 2019

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 NRC-CBC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-CBC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory commissioning requirements in §120.8 for nonresidential buildings and hotels/motels or high-rise residential buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 5 of 6
 Project Address: Date Prepared: 2020-06-16

D. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no Certificates of Installation applicable to commissioning requirements.

D. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Although there are no "CBC" Certificates of Acceptance required to document commissioning requirements, Certificates of Acceptance may be used to supplement functional performance testing required by §120.8(g).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> December 2019

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 NRC-CBC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-CBC-E

C. COMPLIANCE RESULTS
 Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per §120.8. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, Part 6 of the California Code of Regulations.

01	02	03	04	05	06	07	08	09
Design Review Kickoff	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	Compliance Results
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes		Yes						COMPLIES
10	Design Review(s) for the project include: The project engineer							COMPLIES

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

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

F. DESIGN REVIEW KICKOFF MEETING
 Table Instructions: Complete this table to indicate that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a) and to demonstrate compliance with design review kickoff requirements per §120.8(j). This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details
 01 Date of Design Review Kickoff Meeting: 12/17/2020
 02 Meeting Attendees: (one person may play multiple roles)
 Owner/Facility Manager: Design Reviewer(s)
 Project Manager: Design Architect/Engineer(s)
 Contractor: Certified Acceptance Tech (e-Test)
 Commissioning Provider: Energy T24 Part 6 Consultant:
 Design Reviewer Qualifications per Title 24, Part 1 Section 10-103(a)
 Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> December 2019

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 NRC-CBC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-CBC-E

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh Documentation Author Signature: *[Signature]*
 Company: SILVER CREEK Signature Date: 6/18/20
 Address: 2830 BARRETT AVE CEA/HERS Certification Identification (if applicable):
 City/State/Zip: PERRIS/CA/92571 Phone: 951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance (including this form) to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: JOHN STARLIN Responsible Designer Signature: *[Signature]*
 Company: SILVER CREEK Date Signed: 6/18/20
 Address: 2830 BARRETT AVE License: 2475
 City/State/Zip: PERRIS/CA/92571 Phone: 951-943-5393

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> December 2019

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 NRC-CBC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-CBC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory commissioning requirements in §120.8 for nonresidential buildings and hotels/motels or high-rise residential buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 3 of 6
 Project Address: Date Prepared: 2020-06-16

Table Continued

The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.
 03 In addition, for buildings with < 10,000 ft², the design reviewer(s) may be the engineer or architect of record. The design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third-party engineer, architect or contractor.
 04 The design reviewer(s) for this project will be: The project engineer

Preliminary Construction Schedule

	Start Date	Completion Date
05 Schematic Design	2020-01-06	2020-01-06
06 Design Development	2020-01-06	2020-01-06
07 Construction Documents	2020-02-03	2020-02-12
08 Construction	yyyymm-dd	yyyymm-dd
09 Building Turnover	yyyymm-dd	yyyymm-dd

Project Goals Related to Energy Efficiency

10 Operational Costs	No specific requirements.
11 Desired Building Lifespan	30 - 50 years
12 Equipment Lifecycle	Industry standard.
13 Project Energy Efficiency Goals	This requirement does not apply.
14 Envelope Goals	This requirement does not apply.
15 HVAC System Goals	This requirement does not apply.
16 Indoor Lighting System Goals	Code minimum performance.
17 Outdoor Lighting System Goals	Code minimum performance.
18 Water Heating System Goals	Code minimum performance.
19 Equipment and System Specifications	Industry standard equipment.
20 Operations and Maintenance	No specific requirements.

G. OWNER'S PROJECT REQUIREMENTS (OPR)
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> December 2019

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 NRC-CBC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-CBC-E

CERTIFICATE OF COMPLIANCE
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Project Name: PC - Single Module (12x40) Restroom Report Page: Page 4 of 6
 Project Address: Date Prepared: 2020-06-16

H. BASIS OF DESIGN (BOD)
 This Section Does Not Apply

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST
 Table Instructions: The design reviewer may fill out the table below or attach a design review document that lists the items checked by the design reviewer(s) during the construction document review. For buildings with a 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G) and the Basis of Design Documents (Table H). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F during the Design Review Kickoff.

01 Attaching Completed Design Review Documentation?	YES	NO
02 Envelope Design	This requirement does not apply.	
03 HVAC System Design	This requirement does not apply.	
04 Indoor Lighting System Design	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	
05 Indoor Lighting Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	
06 Outdoor Lighting System and Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	
07 Water Heating System Design	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	
08 Other Systems and Features	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	

J. COMMISSIONING PLAN
 This Section Does Not Apply

K. FUNCTIONAL PERFORMANCE TESTING
 This Section Does Not Apply

L. DOCUMENTATION AND TRAINING
 This Section Does Not Apply

M. COMMISSIONING REPORT
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> December 2019

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 NRC-CBC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-CBC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory commissioning requirements in §120.8 for nonresidential buildings and hotels/motels or high-rise residential buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 4 of 6
 Project Address: Date Prepared: 2020-06-16

H. BASIS OF DESIGN (BOD)
 This Section Does Not Apply

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST
 Table Instructions: The design reviewer may fill out the table below or attach a design review document that lists the items checked by the design reviewer(s) during the construction document review. For buildings with a 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G) and the Basis of Design Documents (Table H). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F during the Design Review Kickoff.

01 Attaching Completed Design Review Documentation?	YES	NO
02 Envelope Design	This requirement does not apply.	
03 HVAC System Design	This requirement does not apply.	
04 Indoor Lighting System Design	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	
05 Indoor Lighting Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	
06 Outdoor Lighting System and Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	
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08 Other Systems and Features	The design represents the typical PC building design with updates (as applicable) for the 2019 code cycle.	

J. COMMISSIONING PLAN
 This Section Does Not Apply

K. FUNCTIONAL PERFORMANCE TESTING
 This Section Does Not Apply

L. DOCUMENTATION AND TRAINING
 This Section Does Not Apply

M. COMMISSIONING REPORT
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> December 2019

STATE OF CALIFORNIA
Electrical Power Distribution
 NRC-ELC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-ELC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory requirements in §130.3 for electrical systems in newly constructed nonresidential, high-rise residential and hotels/motels occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.01(a) or §141.02(a) for alterations.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 4 of 4
 Project Address: Date Prepared: 6/18/2020

A. GENERAL INFORMATION
 01 Project Location (city) 02 Occupancy Types Within Project:
 Office Retail Warehouse Hotel/Motel School Support Area
 Parking Garage High-Rise Residential Rebarcaravan Healthcare Facilities Other (Write in): RESTROOM

B. PROJECT SCOPE
 Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05
Electrical Service Designation/Description	Scope of Work*	Rating (kVA)	Utility Provided Metering System (Exception to §130.5A)(b)	System subject to CA Elec Code Article 17 (standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 130.2, 130.1 and 130.3 and compliance documents NRC-CBC, NRC-ELC and NRC-ELTS will indicate when demand response controls are required.
Site feeder	Add/Alt to feeders and branch circuits		<input checked="" type="checkbox"/>	

*FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(C). No other requirements from 130.5 are required.
 *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

C. COMPLIANCE RESULTS
 Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".

01	02	03	04	05
Service Electrical Metering (See Table F)	Separation for Monitoring (See Table G)	Voltage Drop (See Table H)	Controlled Receptacles (See Table I)	Compliance Results
AND	AND	AND	AND	COMPLIES with Exceptional Conditions

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRC-ELC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-ELC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory requirements in §130.3 for electrical systems in newly constructed nonresidential, high-rise residential and hotels/motels occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.01(a) or §141.02(a) for alterations.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 2 of 4
 Project Address: Date Prepared: 6/18/2020

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.
 Table H indicates voltage drop calculations will be provided by the contractor.

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

F. SERVICE ELECTRICAL METERING
 This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
 This Section Does Not Apply

H. VOLTAGE DROP
 Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(C). For alterations, only the altered circuits must demonstrate compliance per §141.02(b)(3).
 Permitted by CA Elec Code: Contractor Responsible

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations*	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector Pass/Fail
Site Feeder	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Code (Exception to §130.5C)			<input type="checkbox"/>

*NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
 *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "no" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRC-ELC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-ELC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory requirements in §130.3 for electrical systems in newly constructed nonresidential, high-rise residential and hotels/motels occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.01(a) or §141.02(a) for alterations.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 3 of 4
 Project Address: Date Prepared: 6/18/2020

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

YES	NO	Form/Title	Field Inspector Pass/Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-ELC-01-E - Must be submitted for all buildings.	<input type="checkbox"/>

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRC-ELC (Form 12/18)
 CALIFORNIA ENERGY COMMISSION NRC-ELC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory requirements in §130.3 for electrical systems in newly constructed nonresidential, high-rise residential and hotels/motels occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.01(a) or §141.02(a) for alterations.

Project Name: PC - Single Module (12x40) Restroom Report Page: Page 4 of 4
 Project Address: Date Prepared: 6/18/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh Documentation Author Signature: *[Signature]*
 Company: SILVER CREEK Signature Date: 6/18/20
 Address: 2830 BARRETT AVE CEA/HERS Certification Identification (if applicable):
 City/State/Zip: PERRIS/CA/92571 Phone: 951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance (including this form) to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: JOHN STARLIN Responsible Designer Signature: *[Signature]*
 Company: SILVER CREEK Date Signed: 6/18/20
 Address: 2830 BARRETT AVE License: 2475
 City/State/Zip: PERRIS/CA/92571 Phone: 951-943-5393

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI 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 SCI INC. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc

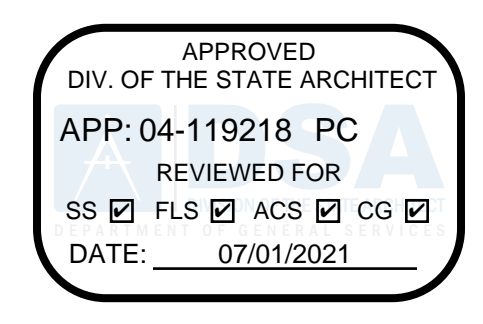
PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
**CERTIFICATE OF
 COMPLIANCE FORMS**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
 CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION
 FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL
SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
 Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

P.C. SHEET NUMBER

A-0.6A

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-110 (Rev. 11/18)
 CERTIFICATE OF COMPLIANCE
 Project Name: PC - Single Module (12x40) Restroom
 Report Page: Page 1 of 6
 Date Prepared: 6/16/2020

A. GENERAL INFORMATION
 01 Project Location (City) 04 Total Illuminated Landscape Area (ft²) 60
 02 Climate Zone
 03 Outdoor Lighting Zone per Title 24, Part 1, §101-114 or as designated by Authority Having Jurisdiction (AHJ):
 12-1: Very Low - Undeveloped Parkland 12-2: Moderate - Rural Areas 12-4: High - Must be reviewed by CA Energy Commission for Approval
 12-1.1: Low - Developed Parkland 12-3: Moderately-Dense Urban Areas

B. PROJECT SCOPE
 Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §160.7 or §141.003(2), for alterations.
 My project consists of:
 New Lighting System Must Comply with Allowances from §160.7
 Altered Lighting System In your alteration increasing the connected lighting load (Watts)? Yes No
 03 % of Existing Luminaires Being Altered? Sum Total of Luminaires Being Added or Altered Calculation Method
 % of Existing Luminaires Being Altered? Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application x 100

C. COMPLIANCE RESULTS
 Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.
 Calculation of Total Allowed Lighting Power (Watts) §160.7 or §141.003(2)

01	02	03	04	05	06	07	08	09
General Allowance §160.7(1)	Application §160.7(5)(2)	Tables Frontage §160.7(5)(2)	Ornamental §160.7(5)(2)	Per Specific Area Power §160.7(5)(2)	Existing Power §141.003(2)	Total Allowed (Watts)	Total Actual (Watts)	07 Must be ≤ 08
(See Table I)	(See Table I)	(See Table I)	(See Table I)	(See Table I)	(See Table H)	422	2	COMPLIES
392	30							

 Cutoff Compliance (See Table G for Details) Not Applicable
 Controls Compliance (See Table H for Details) COMPLIES

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-110 (Rev. 11/18)
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D. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC.

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-L10-01-E - Must be submitted for all buildings.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	NRC-L10-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>

E. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit <http://www.energy.ca.gov/title24/2019standards>.

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-L10-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to ≤ 20 luminaires.	<input type="checkbox"/>

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: Ryan McIntosh Documentation Author Signature:
 Company: SILVER CREEK Signature Date: 6/18/20
 Address: 2830 BARRETT AVE CEA/HERS Certification Identification (if applicable):
 City/State/Zip: PERRIS, CA 92571 Phone: 951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance shall be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: JOHN STARLIN Responsible Designer Signature:
 Company: SILVER CREEK Date Signed: 6/18/20
 Address: 2830 BARRETT AVE License: 2475
 City/State/Zip: PERRIS, CA 92571 Phone: 951-943-5393

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 Project Name: PC - Single Module (12x40) Restroom
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D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 Total Hardship Area in Table A does not match the areas entered in Table 1. Please review for compliance.

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

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
 Table Instructions: For new or altered lighting systems demonstrating compliance with §160.7 (in Table H has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power Method per §141.003(2) (in Table H has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (do not include existing luminaires remaining or existing luminaires being moved).
 Designated Wattage:

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaires Description	Watts per luminaire ¹	How Wattage is determined	Total number luminaires ²	Luminaire Status ³	Design Watts	Cutoff Req. 2 L200 Initial luminaire Budget §130.2(3) ⁴	Field Inspector	Pass	Fail
F-1	30 Watt LED Wallpack	Linear 30	Mfr. Spec ⁵	3	New	90	NA - <6,200 luminaire		<input type="checkbox"/>	<input type="checkbox"/>
Total Designated Watts:						90				

 NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 (X) Luminaire is lighting a stair; EXCEPTION 2 to §130.2(3).
 FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(1).
 For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.
 Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing to Remain/Stay" for existing luminaires which are being removed and reinstalled as part of the project scope.
 *Compliance with mandatory cutoff requirements is required for luminaires with initial luminaire output ≤ 6,200 unless exempted by §130.2(3).

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STATE OF CALIFORNIA
Outdoor Lighting
 NRC-110 (Rev. 11/18)
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 Project Name: PC - Single Module (12x40) Restroom
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 Date Prepared: 6/16/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: Ryan McIntosh Documentation Author Signature:
 Company: SILVER CREEK Signature Date: 6/18/20
 Address: 2830 BARRETT AVE CEA/HERS Certification Identification (if applicable):
 City/State/Zip: PERRIS, CA 92571 Phone: 951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance shall be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: JOHN STARLIN Responsible Designer Signature:
 Company: SILVER CREEK Date Signed: 6/18/20
 Address: 2830 BARRETT AVE License: 2475
 City/State/Zip: PERRIS, CA 92571 Phone: 951-943-5393

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
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G. CUTOFF REQUIREMENTS (BUG)
 This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS
 Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (in unaltered) and luminaires which are removed and reinstalled (within only) do not need to be included in this table (even if they are within the space covered by the permit application).
 When an option having a * is selected, the entry section of this table must be completed. The lighting control section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the drop-down list to indicate not applicable or an exemption.
 Mandatory Controls:

01	02	03	04	05
Area Description	Shut-Off §130.2(1)	Auto-Schedule §130.2(2)	Motion Sensor §130.2(3)	Field Inspector
Entry Door	Photocontrol	Yes	NA; Wall ≤ 24ft	<input type="checkbox"/>

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

I. LIGHTING POWER ALLOWANCE (per §160.7)
 Table Instructions: Please complete this table for areas using the allowance calculations per §160.7. General Hardship Allowance (per Table 160.7.A while "Use it or lose it" Allowances are per Table 160.7.B. Indicate which allowances are being used to report sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
 Calculated General Hardship Lighting Power Allowance per Table 160.7.A (2, 2 & 3)

01	02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Illuminated Area (ft ²)	Allowed Density (W/ft ²)	Area Allowance (Watts)	Perimeter Length (ft)	Linear Wattage Allowance (LWA) (Watts)	Perimeter Allowance (Watts)	Linear Allowance (Watts)	Total General Allowance (Watts)
Entry	Concrete	200	0.03	6	90	0.4	36	36	42

 Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
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J. LIGHTING ALLOWANCE: PER APPLICATION
 Table Instructions: Please complete this table for areas using the wattage allowance per application from Table 160.7.B.

01	02	03	04	05	06	07	08	09	10
Area Description	Application per Table 160.7-B ¹	of Locations	Allowance (Watts)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire ²	of Luminaires ³	Design Watts	Additional Allowance (Watts)
Entry door	Big Entrance/Exit	2	19	38	F-1	30	1	30	30
Total Design Watts for this Area:									30
Total Allowance (Watts) All Areas:									30

 FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.
¹The Allowance per Location for ATMs is 100W for the first ATM and 55W for each additional per Table 160.7.B.
²For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 08 instead of number of luminaires.

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

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This Section Does Not Apply

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

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

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
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O. INITIAL WATTAGE ALLOWANCE FOR ENTIRE SITE (Watts)
 0
Total General Hardship Allowance (Watts): 392

L. LIGHTING ALLOWANCE: PER APPLICATION
 Table Instructions: Please complete this table for areas using the wattage allowance per application from Table 160.7.B.

01	02	03	04	05	06	07	08	09	10
Area Description	Application per Table 160.7-B ¹	of Locations	Allowance (Watts)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire ²	of Luminaires ³	Design Watts	Additional Allowance (Watts)
Entry door	Big Entrance/Exit	2	19	38	F-1	30	1	30	30
Total Design Watts for this Area:									30
Total Allowance (Watts) All Areas:									30

 FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.
¹The Allowance per Location for ATMs is 100W for the first ATM and 55W for each additional per Table 160.7.B.
²For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 08 instead of number of luminaires.

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

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This Section Does Not Apply

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

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

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

CERTIFICATE OF COMPLIANCE, OUTDOOR LIGHTING

STATE OF CALIFORNIA
Domestic Water Heating System
 NRC-PLB (Rev. 11/18)
 CERTIFICATE OF COMPLIANCE
 Project Name: PC - Single Module (12x40) Restroom
 Report Page: Page 5 of 6
 Date Prepared: 2020-06-16

A. GENERAL INFORMATION
 01 Project Location (City) 02 Climate Zone
 03 Occupancy Type Within Project (select all that apply):
 Nonresidential High-Rise Residential Hotel/Motel
 State Building Healthcare Facility Other (Write In):

B. PROJECT SCOPE
 Table Instructions: Include any domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §160.8, §150.1(c)(8), and §141.003(2) for alterations. Solar water heating systems should be documented on the NRC-MSA compliance document. Combined hydronic water heating systems should be documented on the NRC-MCH compliance document.
 My project consists of (check all that apply):
 New System (DHW system being installed for the first time in newly constructed building) Existing System (servicing nonresidential space)
 System Alteration (equipment, distribution or controls) Equipment Distribution Controls

C. COMPLIANCE RESULTS
 Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. This table is not editable by the user. 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	05
Domestic Hot Water Equipment	Distribution Systems	Controls	Compliance Results	
(See Table I)	(See Table G)	(See Table H)	COMPLIES	

 FOOTNOTE: Poles of water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems. Dowling only refers to hotel/motel guest rooms and units in a high-rise residential occupancy.

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STATE OF CALIFORNIA
Domestic Water Heating System
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 Project Name: PC - Single Module (12x40) Restroom
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 Date Prepared: 2020-06-16

B. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

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

F. DOMESTIC HOT WATER EQUIPMENT
 Table Instructions: Complete the following table to demonstrate compliance with mandatory equipment requirements in §101.1 and §110.3. For high-rise residential and hotel/motel occupancies, compliance with prescriptive requirements in §150.1(c)(8) must also be demonstrated and §150.2 for addition and alteration spaces.

01	02	03	04	05	06
Name or Item Tag	Equipment Type	Volume (gal)	Max GPM/First Hour Rating (FHR)	Rated Uniform Energy Factor (UEF)	Minimum Required Uniform Energy Factor (UEF) ¹
WH-1	Electric Instantaneous (≤ 12kW)	≤ 2	0 ≤ GPM < 1.7	0.91	0.91

 Water Heating Equipment All Occupancies

Requirement	Yes	No	Not Applicable
Unfilled storage tank insulation shall have Internal + External ≥ R-16 OR External ≥ R-12. Label required per §110.3(1).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
New state buildings 60% of energy for service water heating from solar energy or recovered energy per §110.3(2).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation valves for instantaneous water heater with input rating ≥ 6.8 MBTUH or 2 kW has been specified per §110.3(2).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM
 Table Instructions: Complete the following table to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.1 and §160.5. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.3(c)(8), §101.3, §150.3, §150.3, §150.3.
 Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Domestic Water Heating System
 NRC-PLB (Rev. 11/18)
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 Project Name: PC - Single Module (12x40) Restroom
 Report Page: Page 3 of 6
 Date Prepared: 2020-06-16

Table Continued
 Mandatory Pipe Insulation All Occupancies
 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:
 12 Recirculating system piping, including supply and return piping of the water heater
 The first 8 ft of hot and cold outlet piping for a nonrecirculating storage system
 Pipes that are externally heated
 13 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) and §150.0(3).
TABLE 120.3-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft ² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)		
			< 1	1 to < 1.5	1.5 to < 4
105-140	0.22-0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11

H. DOMESTIC HOT WATER SYSTEM CONTROLS
 Table Instructions: Complete the following table to demonstrate compliance with controls requirements in §110.3 for all occupancies. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §150.1(c)(8).

Requirement	Yes	No	Not Applicable
Construction documents require manufacturer certification that service water heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per §110.3(1).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Systems with capacity ≥ 167,000 BTUH equipped with outlet temperature controls per §110.3(1), unless covered by California Plumbing Code Section 612.0.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(2) unless system serves healthcare facility.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
For recirculation systems serving multiple dwelling units, design includes automatic pump controls per §150.1(c)(8)(b), or §150.3 for alterations or alterations.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix 6A.4.3 per §150.1(c)(8).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
For replacement single heat pump water heaters serving individual dwelling units in climate zones 1-15, design includes communication interface that meets demand response control requirements of §110.3(1)(b) per §150.1(c)(8)(c).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-PLB-01-E - Must be submitted for all buildings.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	NRC-PLB-01-E - Must be submitted for high-rise residential and hotel/motel central hot water distribution systems to be recognized for compliance.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	NRC-PLB-03-E - Must be submitted for high-rise residential and hotel/motel single dwelling unit hot water distribution systems to be recognized for compliance.	<input type="checkbox"/>

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no Certificates of Acceptance applicable to service water heating requirements.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be reviewed by a HERS Provider's registry and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV.

YES	NO	Form/Title	Field Inspector
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-PLB-21-H High-rise Residential Central Hot Water Distribution HERS Verification	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-PLB-22-H High-rise Residential Individual Dwelling Unit Hot Water Distribution HERS Verification	<input type="checkbox"/>

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STATE OF CALIFORNIA
Domestic Water Heating System
 NRC-PLB (Rev. 11/18)
 CERTIFICATE OF COMPLIANCE
 Project Name: PC - Single Module (12x40) Restroom
 Report Page: Page 4 of 6
 Date Prepared: 2020-06-16

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

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-PLB-01-E - Must be submitted for all buildings.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	NRC-PLB-01-E - Must be submitted for high-rise residential and hotel/motel central hot water distribution systems to be recognized for compliance.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	NRC-PLB-03-E - Must be submitted for high-rise residential and hotel/motel single dwelling unit hot water distribution systems to be recognized for compliance.	<input type="checkbox"/>

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no Certificates of Acceptance applicable to service water heating requirements.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be reviewed by a HERS Provider's registry and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV.

YES	NO	Form/Title	Field Inspector
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STATE OF CALIFORNIA Solar Ready Areas NRC-58A-E (Rev. 01/20) CALIFORNIA ENERGY COMMISSION NRC-58A-E CERTIFICATE OF COMPLIANCE Page 1 of 5 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

A. GENERAL INFORMATION Table Instructions: Select the compliance path the project is using to comply per §110.109.1B. My project consists of (check one):

B. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. No exceptional conditions apply to this project.

C. COMPLIANCE RESULTS Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance or use the applicable Table referenced below.

Allocated Solar Zone	Installed PV System	Installed SWH System	Smart Thermostat and Alternative EE Measure	Compliance Results
01	02	03	04	05
Required Minimum Area (ft ²)	Designated Area (ft ²)	Required Minimum DC Power Rating (Watts)	Required Minimum DC Power Rating (Watts)	Compliance Results
85.5	89	OR	OR	COMPLIES

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA Solar Ready Areas NRC-58A-E (Rev. 01/20) CALIFORNIA ENERGY COMMISSION NRC-58A-E CERTIFICATE OF COMPLIANCE Page 2 of 5 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

D. ALLOCATED SOLAR ZONE Table Instructions: Complete this table if the project is designating a solar zone to comply with §110.109.1B. For new construction consider total roof area; for additions consider newly added roof area.

01	02	03	04	05	06	07	08
Minimum Solar Zone Area Calculation Method (ft ²)	Total New or Addict Roof Area Covered with Skylights (ft ²)	Minimum Solar Zone Area (ft ²)	Method/Tools Used to Determine Annual Solar Access for Potential Zones	Low-Sloped Area (> 2.12 pitch, Oriented 30° - 300° (ft ²))	Steep-Sloped Area (> 2.12 pitch, Oriented 30° - 300° (ft ²))	Minimum Solar Zone Based on Potential Zone (0.5 x Total Potential Zone) (ft ²)	Required Minimum Solar Zone Area (ft ²)
	570	0	85.5				85.5

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA Solar Ready Areas NRC-58A-E (Rev. 01/20) CALIFORNIA ENERGY COMMISSION NRC-58A-E CERTIFICATE OF COMPLIANCE Page 3 of 5 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

E. DESIGNATED SOLAR ZONE SUBAREAS Table Instructions: Complete this table if the project is designating a solar zone to comply with §110.109.1B. For new construction consider total roof area; for additions consider newly added roof area.

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag Reference	Building Plan Reference	Roof or Overhang Slope (Low < 2.12 pitch) (Steep > 2.12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Subarea Free of Obstructions per §110.109.1B	Subarea is the Smallest Dimension 5 feet or greater*	Min. Area Required per Subarea (ft ²)	Designated Area (ft ²)	Subarea Complies?									

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA Solar Ready Areas NRC-58A-E (Rev. 01/20) CALIFORNIA ENERGY COMMISSION NRC-58A-E CERTIFICATE OF COMPLIANCE Page 4 of 5 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

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

YES	NO	Form/Title	Field Inspector
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-SPV-01-E - Must be submitted for all newly installed Photovoltaic Systems (PV) being used to comply with §110.109.1B for high-rise multifamily, hotel/motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-STH-01-E - Must be submitted for all newly installed Solar Water Heating systems being used to comply with §110.109.1B for high-rise multifamily, hotel/motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA Solar Ready Areas NRC-58A-E (Rev. 01/20) CALIFORNIA ENERGY COMMISSION NRC-58A-E CERTIFICATE OF COMPLIANCE Page 5 of 5 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

G. DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete.

H. RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance shall be included with the documentation the builder provides to the building owner at occupancy.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA Indoor Lighting NRC-11E (Rev. 02/20) CALIFORNIA ENERGY COMMISSION NRC-11E CERTIFICATE OF COMPLIANCE Page 1 of 6 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

A. GENERAL INFORMATION 01 Project Location (city) 04 Total Conditioned Floor Area (ft²) 480 02 Climate Zone 05 Total Unconditioned Floor Area (ft²) 480 03 Occupancy Types Within Project (select all that apply) 06 # of Stories (Habitable Above Grade) 1

B. PROJECT SCOPE Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §14.02 or §14.03(a) for alterations. WARNING: Changing the calculation method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

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

Lighting System	01	02	03	04	05	06	07	08	09	10	11	12
Complete building	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)	\$140.6(12)
Unconditioned	312	312	312	312	312	312	312	312	312	312	312	312

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA Indoor Lighting NRC-11E (Rev. 02/20) CALIFORNIA ENERGY COMMISSION NRC-11E CERTIFICATE OF COMPLIANCE Page 2 of 6 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

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

YES	NO	Form/Title	Field Inspector
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-01-E - Must be submitted for all buildings.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-03-E - Must be submitted for two interlocked systems serving an auditorium, a conversion center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA Indoor Lighting NRC-11E (Rev. 02/20) CALIFORNIA ENERGY COMMISSION NRC-11E CERTIFICATE OF COMPLIANCE Page 3 of 6 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

E. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. Selections made in Table E have been changed by the permit applicant. See Table E, Additional Remarks for permit applicant's explanation.

F. INDOOR LIGHTING FIXTURE SCHEDULE Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

01	02	03	04	05	06	07	08	09	10
Name of Item Tag	Complete Luminaire Description	Modular Small Aperture (Track) Fixture, Color Change*	Watts per luminaire*	How Wattage is determined	Total number of luminaires	Exempt per §140.6(13)	Design Watts	Field Inspector	Pass / Fail
F-1	Lay-in LED Fixture		50	Mfr. Spec*	6		300		

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA Indoor Lighting NRC-11E (Rev. 02/20) CALIFORNIA ENERGY COMMISSION NRC-11E CERTIFICATE OF COMPLIANCE Page 4 of 6 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

G. MODULAR LIGHTING SYSTEMS This Section Does Not Apply.

H. INDOOR LIGHTING CONTROLS (Not Including PAFs) This Section Does Not Apply.

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(6). Indicate if additional lighting power allowances per §140.6(11) or adjustments per §140.6(6) are being used.

Area Description	01	02	03	04	05	06
Restroom	School Building					

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA Indoor Lighting NRC-11E (Rev. 02/20) CALIFORNIA ENERGY COMMISSION NRC-11E CERTIFICATE OF COMPLIANCE Page 5 of 6 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

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

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

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

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

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

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

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

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

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

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

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

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA Indoor Lighting NRC-11E (Rev. 02/20) CALIFORNIA ENERGY COMMISSION NRC-11E CERTIFICATE OF COMPLIANCE Page 6 of 6 Report Page: 6/16/2020 Project Name: PC - Single Module (12x40) Restroom Report Page: 6/16/2020 Project Address: [redacted]

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YES	NO	Form/Title	Field Inspector
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-03-A - Must be submitted for automatic skylight controls.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-LT1-06-F - Must be submitted for daylighting design power adjustment factor (PAF).	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC. (SCI 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 SCI INC. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI INC SHALL BE THE PROPERTY OF SCI INC

PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM


SHEET TITLE: CERTIFICATE OF COMPLIANCE FORMS

REVISIONS

PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED


APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC REVIEWED FOR SS FLS ACS CG DATE: 07/01/2021

PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC.



SILVER CREEK Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES 12' x 40' PC

PROJECT NO. DRAWN BY: SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER

A-0.6C

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

INTERIOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
EACH ROOM AND AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL BE EQUIPPED WITH MANUAL ON AND OFF LIGHTING CONTROLS PER SECTION 130.1(a).
ALL ROOMS AND AREAS 100 SF OR GREATER AND WITH MORE THAN 0.5 WATT PER SF OF LIGHTING LOAD WITH 2 OR MORE LUMINAIRES SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. CONTROL STEPS SHALL MEET REQUIREMENTS IN TABLE 130.1-A.
PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR IN ALL ROOMS.
ALL GENERAL LIGHTING IN PRIMARY SIDELIT DAYLIT ZONES AND SKYLIT DAYLIT ZONES IN ENCLOSED SPACES WITH 120 WATTS, OR MORE IN COMBINED PRIMARY/SKYLIT ZONES AND 24 SF OR MORE OF FENESTRATION, SHALL BE CONTROLLED WITH AUTOMATIC DAYLIGHTING CONTROLS PER SECTION 130.1(d).

OUTDOOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
ALL OUTDOOR LIGHTING SHALL BE OPERATED WITH CONTROLS WHICH AUTOMATICALLY TURNS OFF OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE PER SECTION 130.2(c).
ALL OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS WHICH ARE CONTROLLED BY AN AUTOMATIC SCHEDULING CONTROL PER SECTION 130.2(c).

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(c).
THE VOLTAGE DROP TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5% PER SECTION 130.5(c).

PROJECT SPECIFIC STATE AGENCY APPROVAL

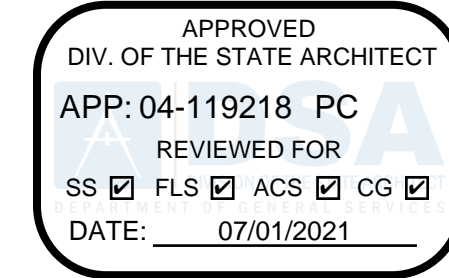
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION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

PROJECT NAME:
SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM

SHEET TITLE:
ENERGY MANDATORY MEASURES & CALGREEN SPEC'S

Table with 2 columns: REVISIONS, and 4 rows of revision markers (A, B, C, D).

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.



SILVER CREEK

Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
12 x 40 PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020
P.C. SHEET NUMBER

A-0.7

CALIFORNIA ENERGY CODE - MANDATORY MEASURES | 1

CONSTRUCTION WASTE MANAGEMENT PLAN

- A. DEFINITIONS
1. CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
2. RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
3. COMINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.
B. PERFORMANCE REQUIREMENTS
1. GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
C. QUALITY ASSURANCE
1. PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
D. WASTE MANAGEMENT PLAN
1. IDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
2. RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
E. WASTE MANAGEMENT REPORT
1. WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS
1. USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLANNED 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.
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 CRR (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

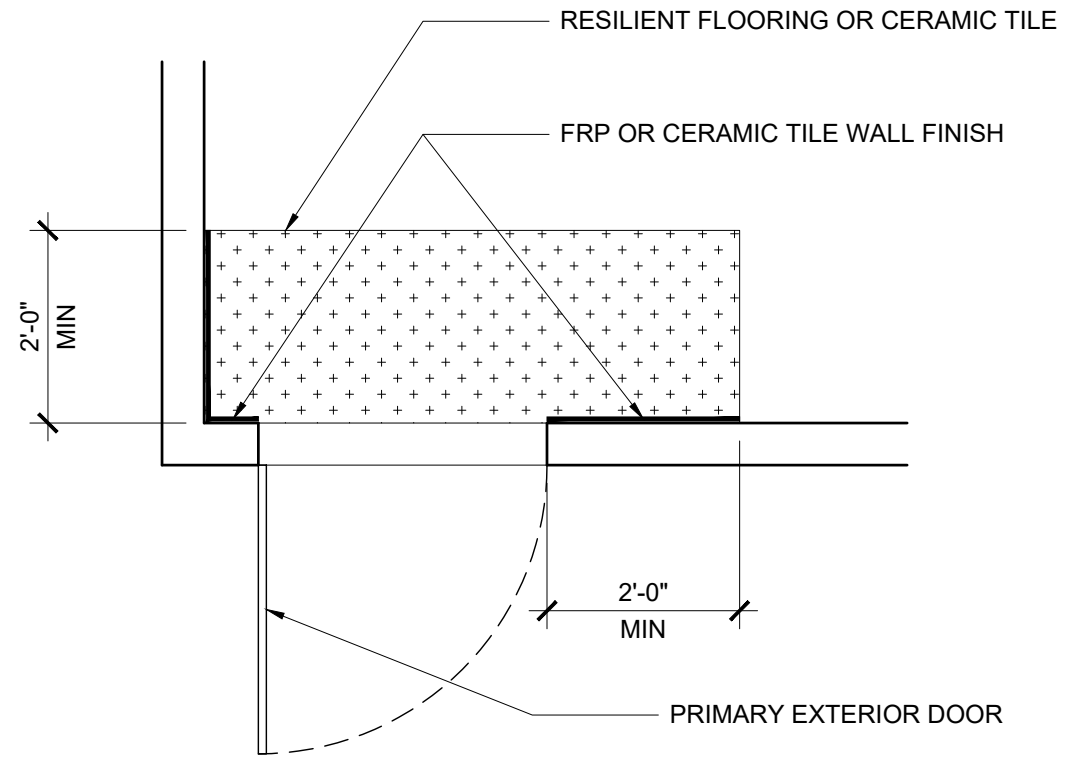
- A. CONSTRUCTION PHASE:
1. NOT USED
2. PROTECTION OF MATERIALS
I. ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.
II. ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
III. ANY OTHER MATERIAL WITH VISIBLE MICROBIAL 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.
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. NOT USED
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 VOC'S OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATED AREA, PRIOR TO INSTALLATION.
VII. NOT USED

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

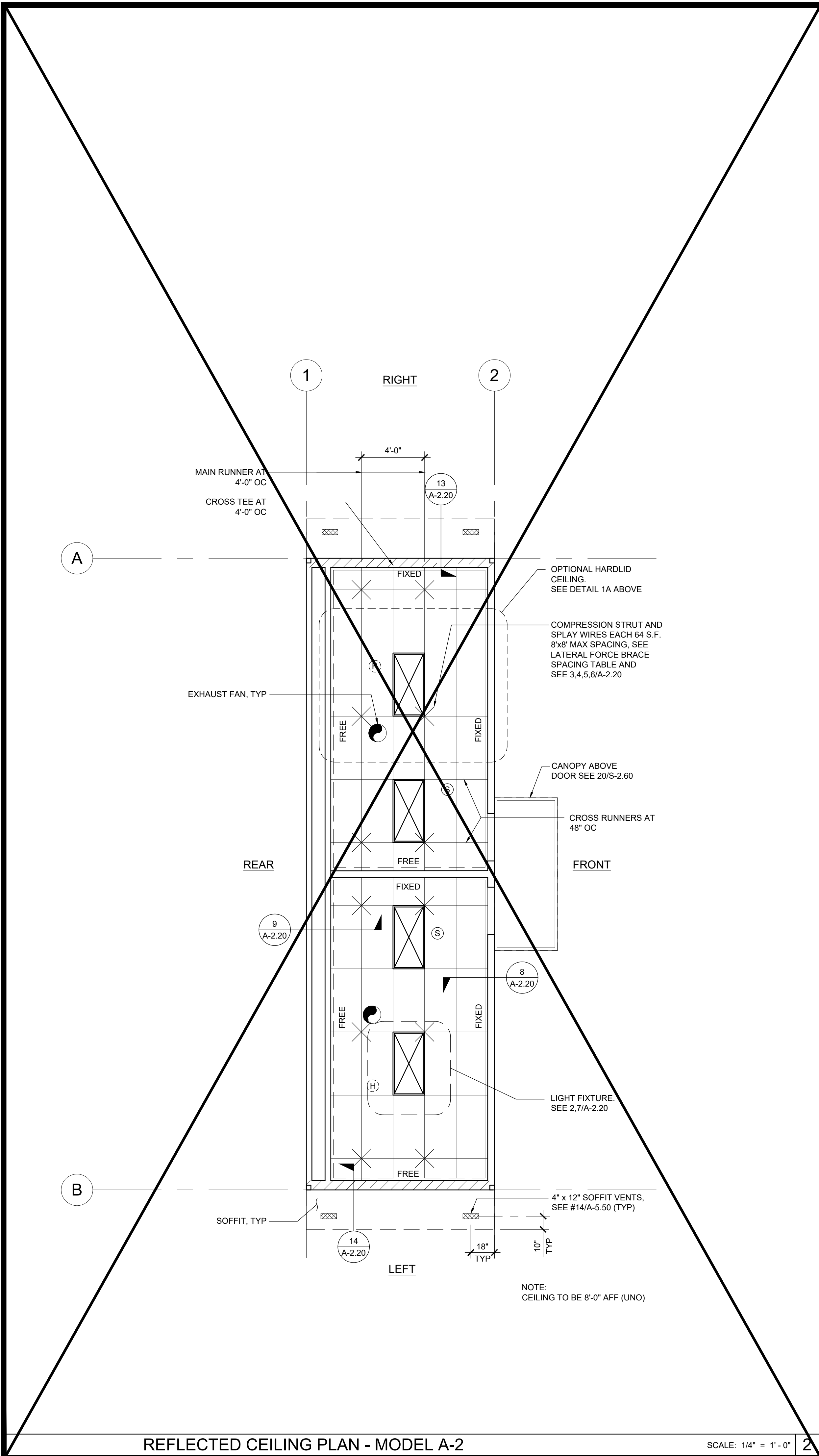
- SEALANTS AND CAULKS
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, 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 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.
RESILIENT FLOORING SYSTEMS
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5.
COMPOSITE WOOD
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2019 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 (ATOM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 03120-03120.12, 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 VOC'S 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 MOBELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.
CARPET SYSTEMS
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
PRIMARY EXTERIOR DOORS
ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. SEE DETAIL A/- FOR TYPICAL FLOOR AND WALL FINISH DIAGRAM.
ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

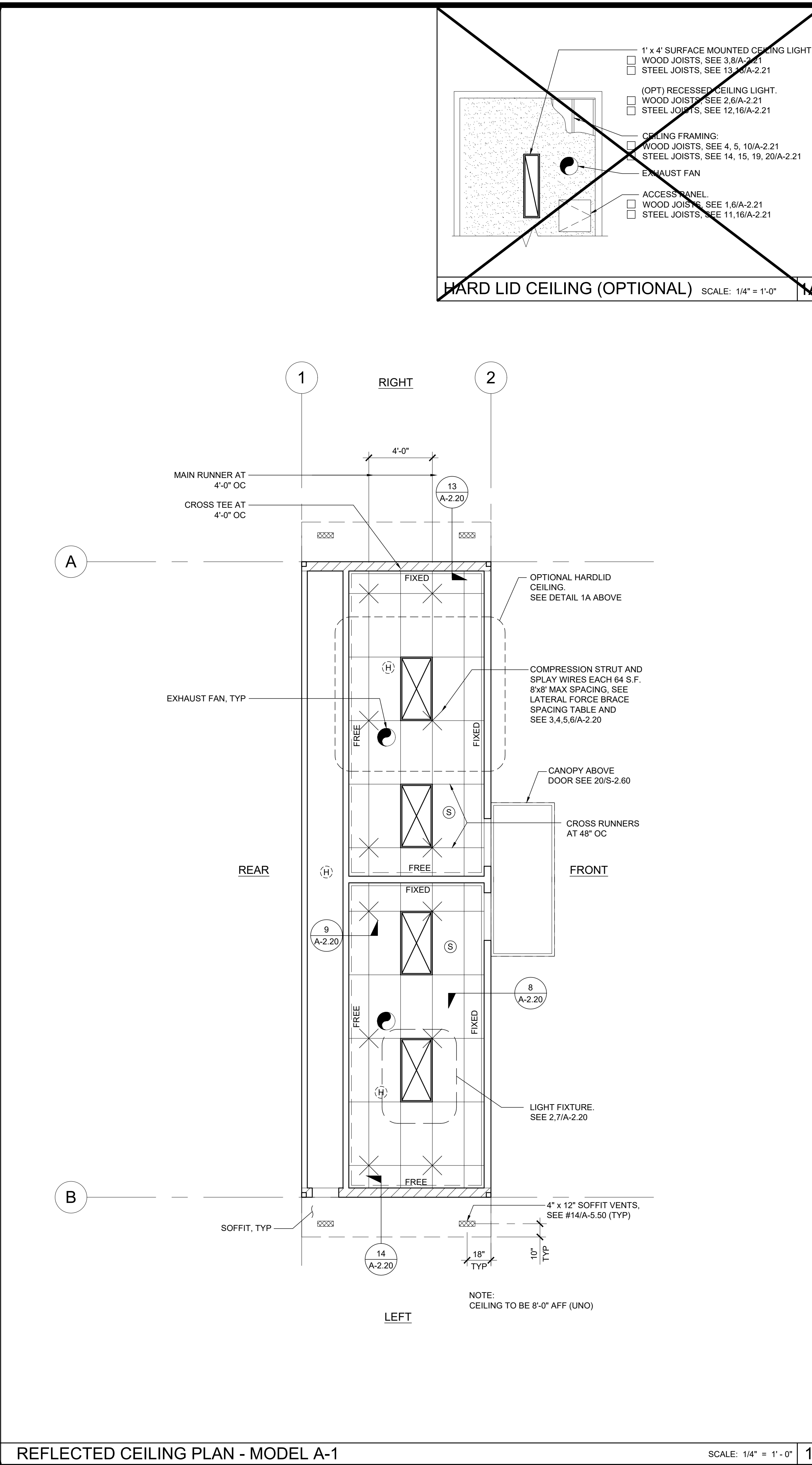


(A) PRIMARY EXTERIOR WALL FINISH DIAGRAM



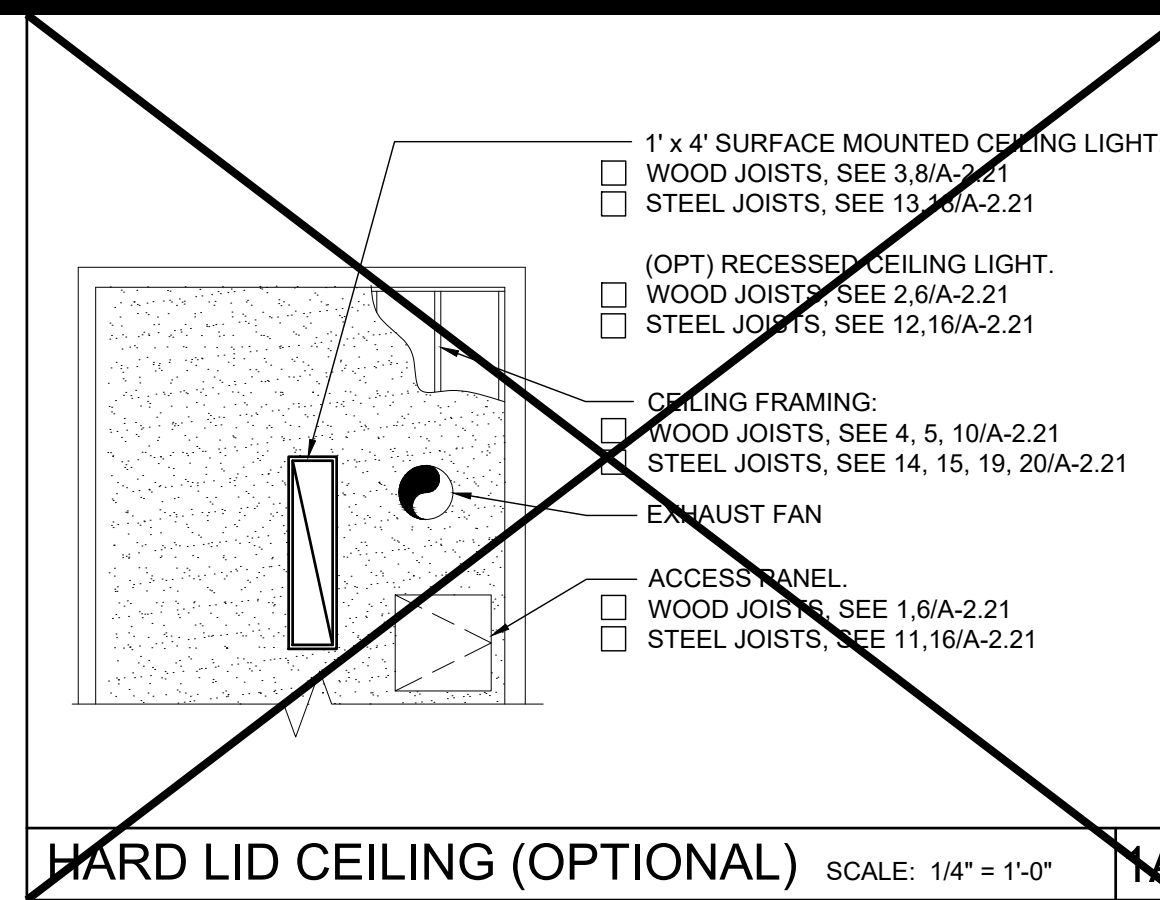
REFLECTED CEILING PLAN - MODEL A-2

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



REFLECTED CEILING PLAN - MODEL A-1

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



HARD LID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0"

LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE. HATCHING DENOTES EMERGENCY LIGHT FIXTURE (SEE ELECTRICAL PLAN)
- "OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- CEILING EXHAUST FAN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED PHOTOCELL
- CEILING MOUNTED SMOKE DETECTOR
- ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES
SEE SHEET A-0.1

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308
MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328
STANDARD 7/8" WALL ANGLE WITH BERG-2 CLIP (ICC #ESR-1308) 2"
WALL ANGLE: 7810 (OPTIONAL)

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**REFLECTED CEILING
PLAN
12'x40' MODEL A-1 OR A-2**

REVISIONS

1	
2	
3	
4	

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
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APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

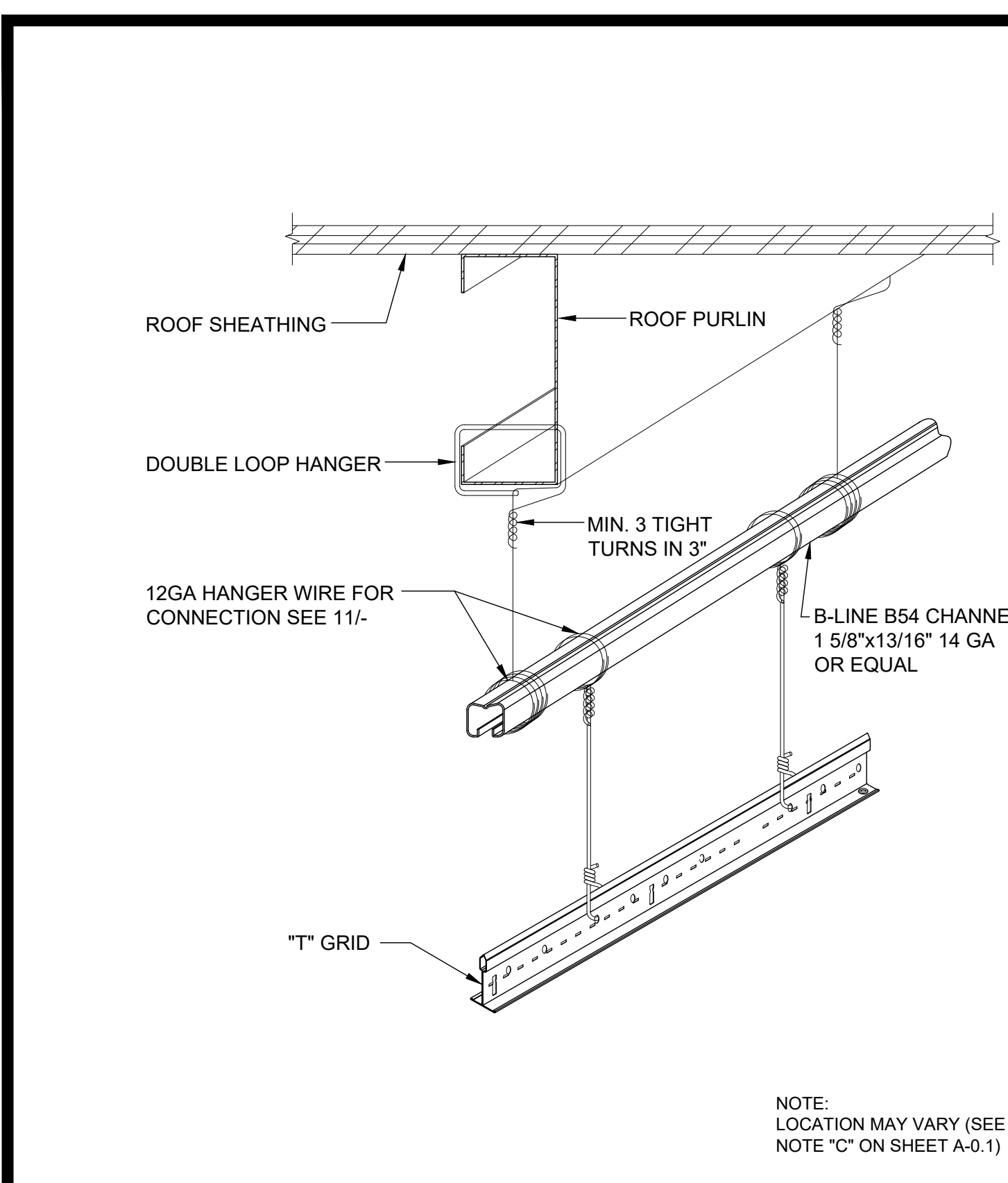
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

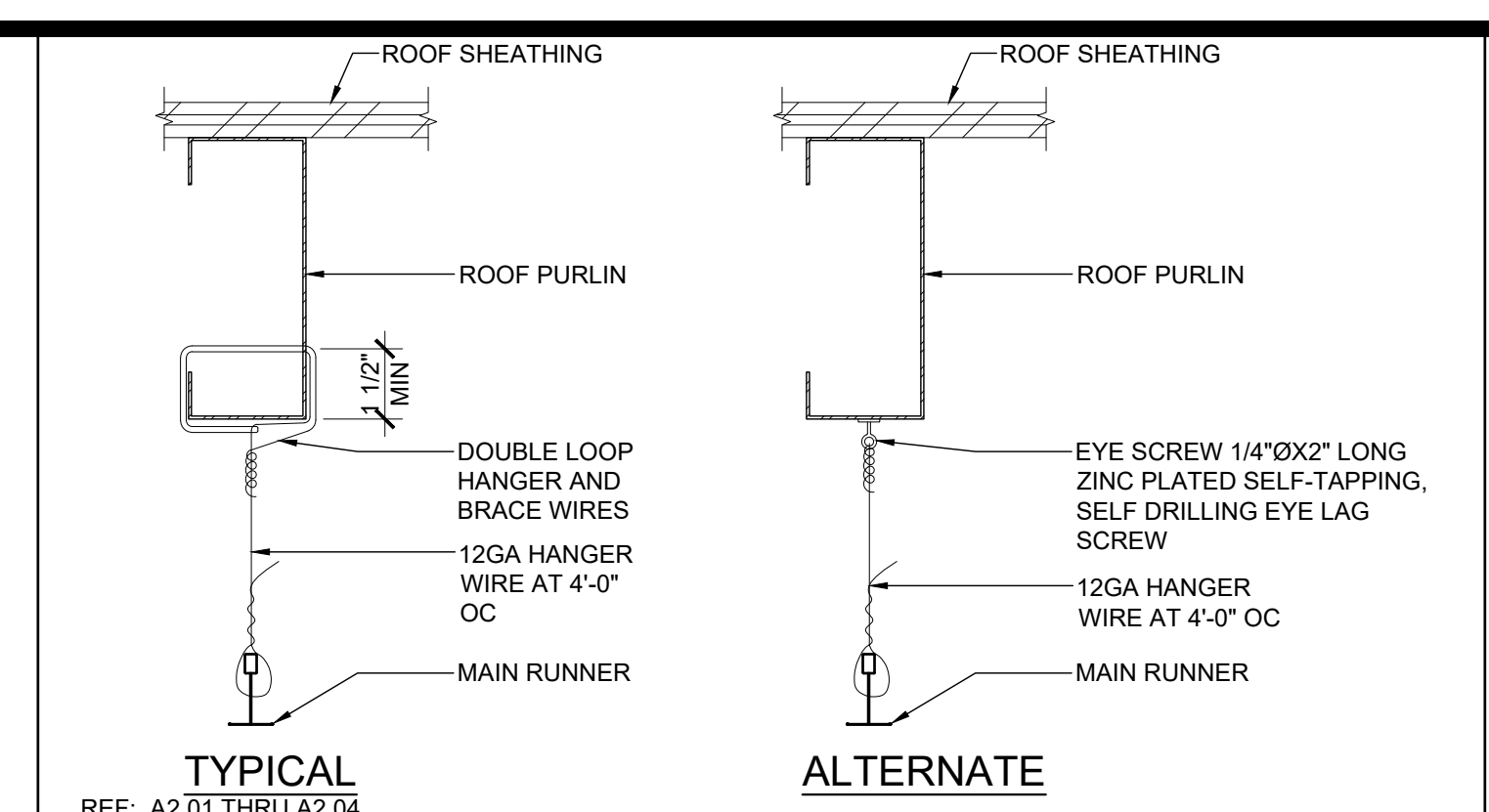
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

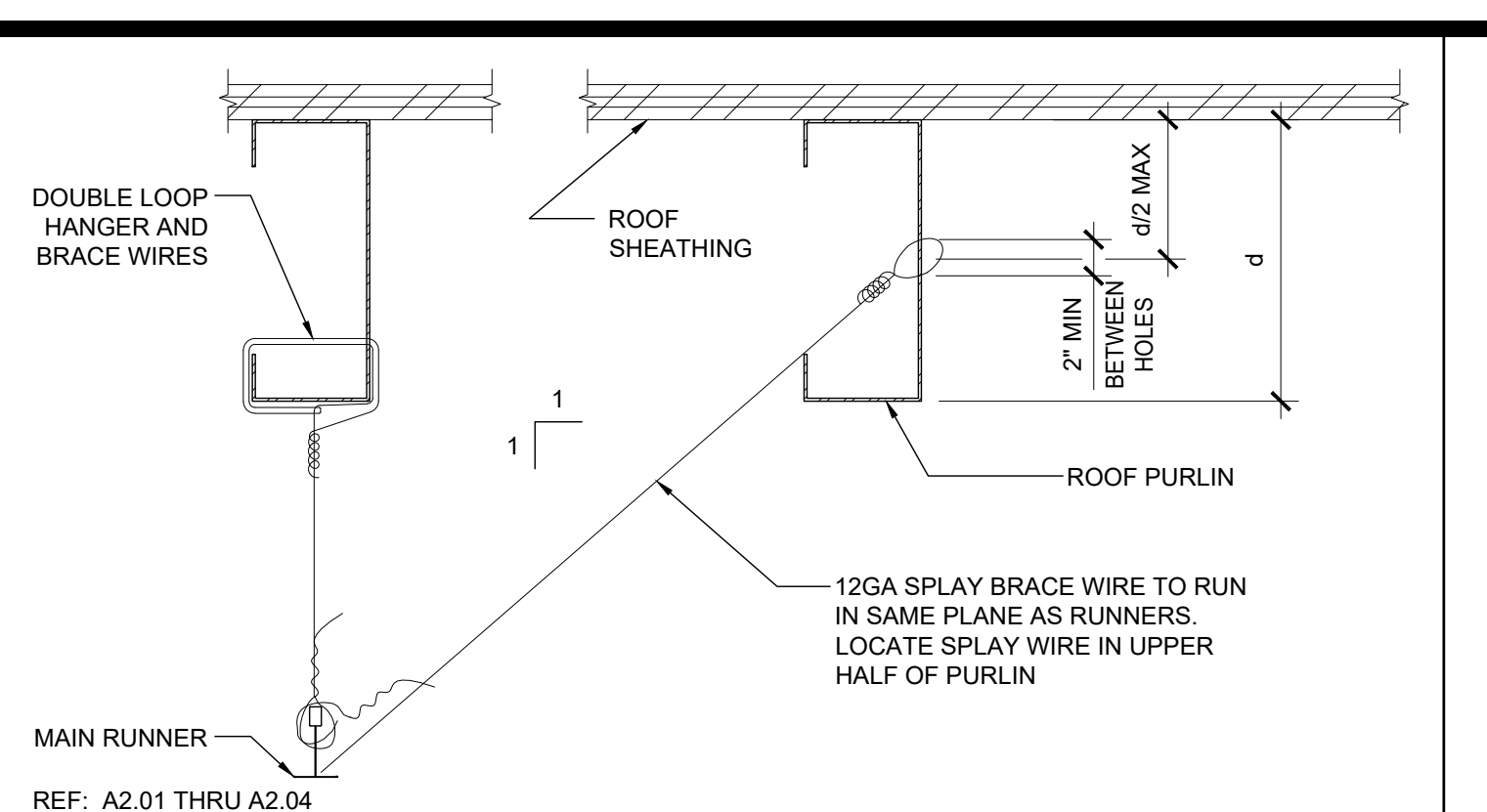
P.C. SHEET NUMBER
A-2.01



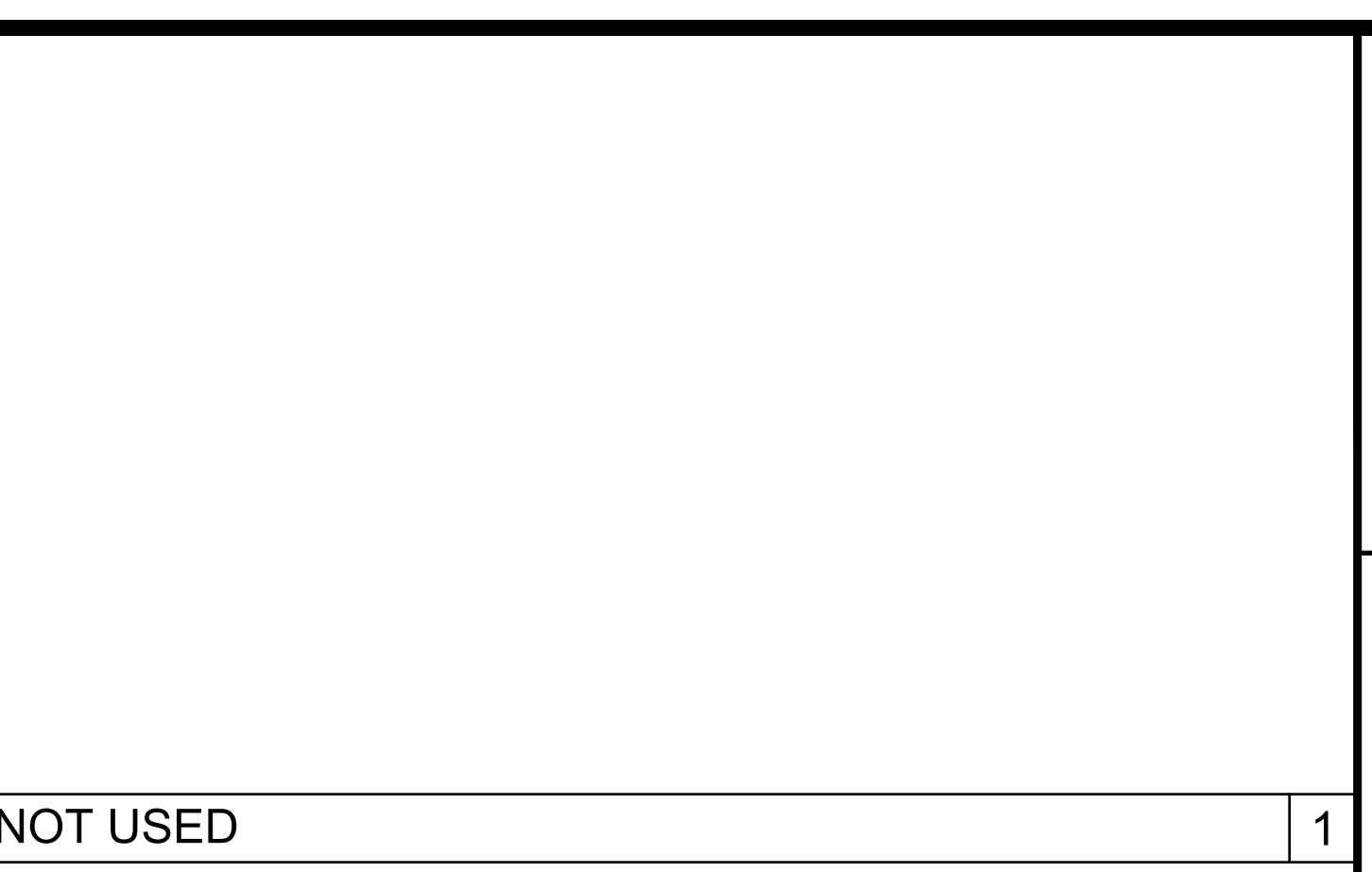
TRAPEZE DETAIL 17



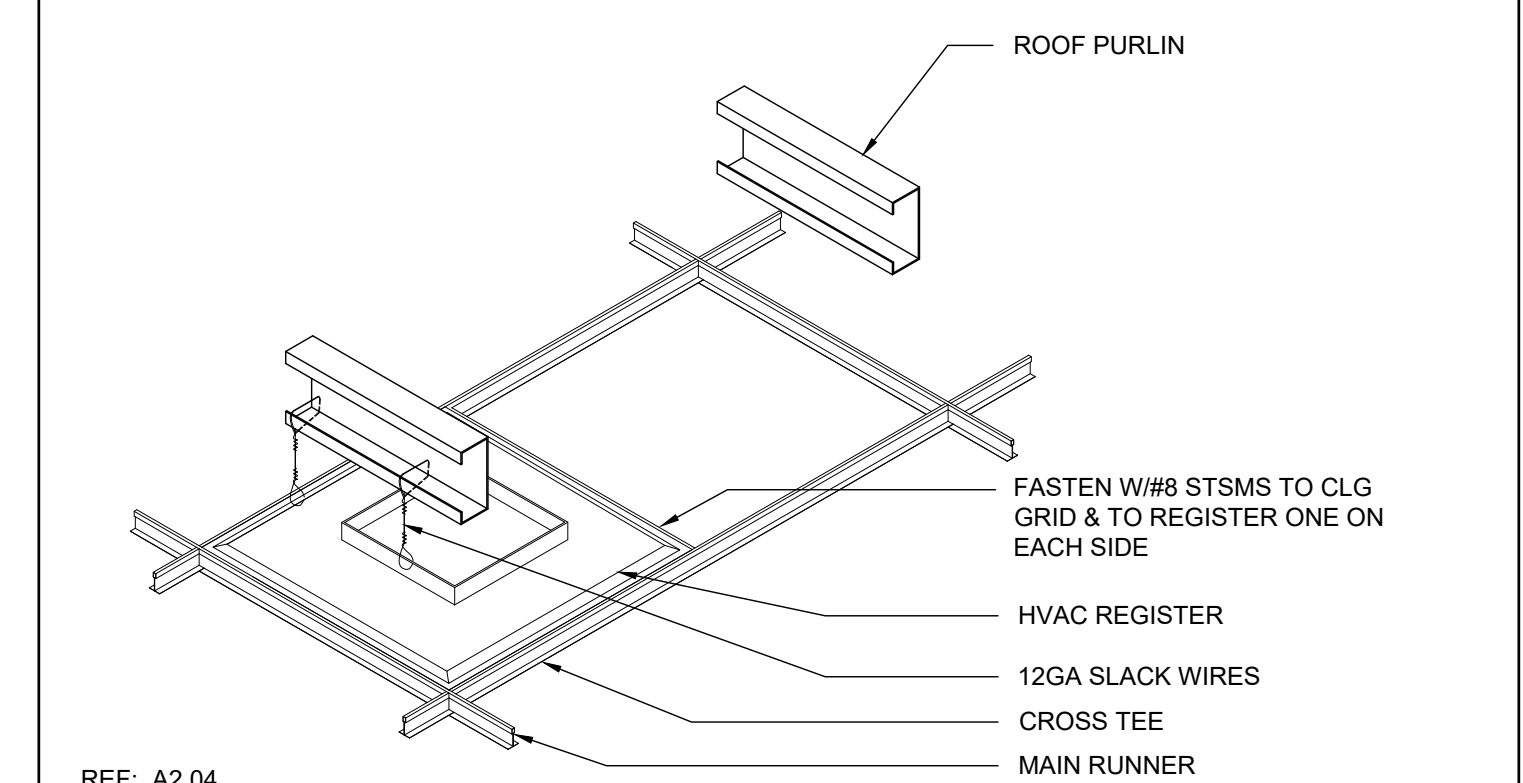
HANGER WIRE DETAIL SCALE: 3"=1'-0" 11



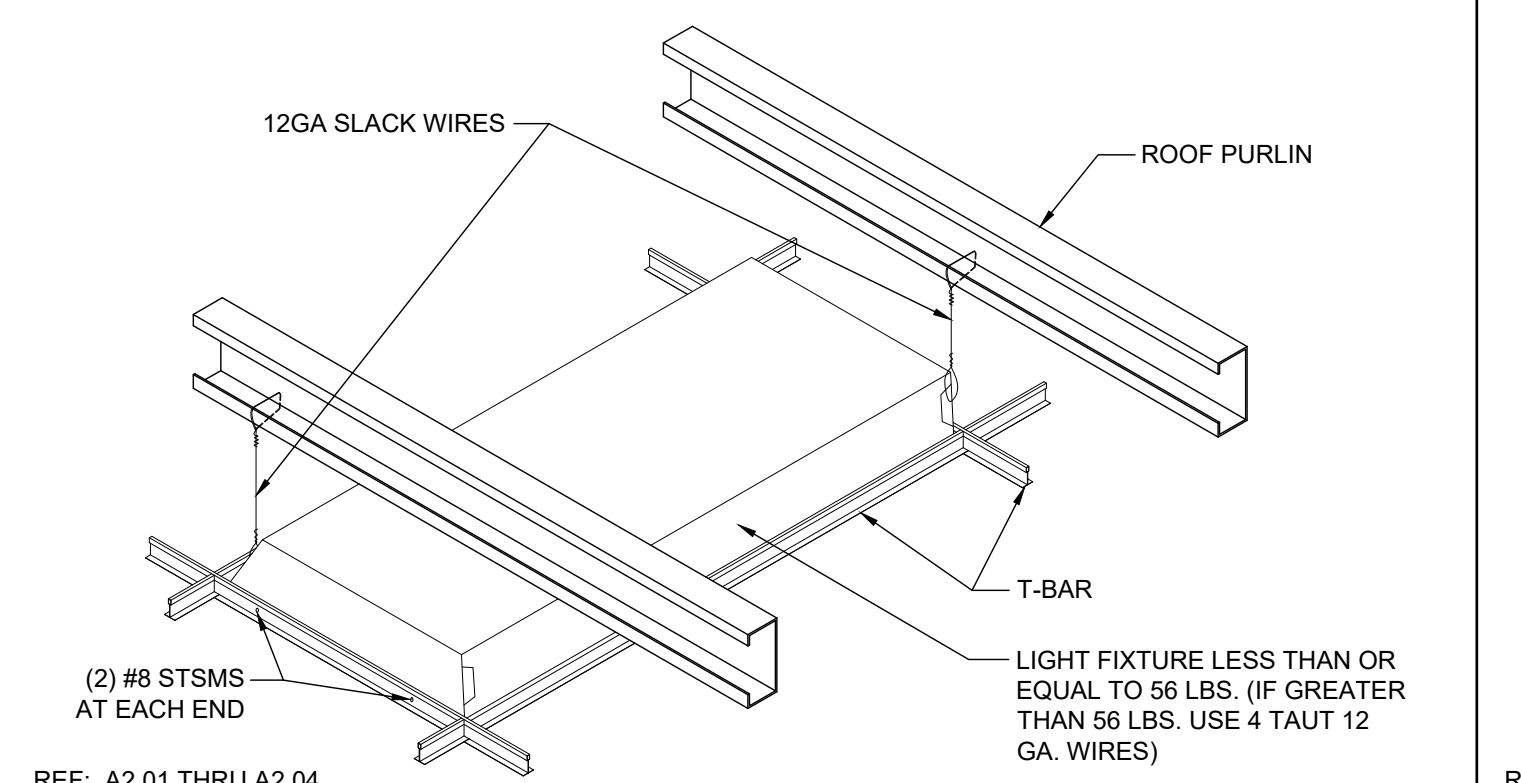
SPLAY BRACING WIRE SCALE: 3"=1'-0" 6



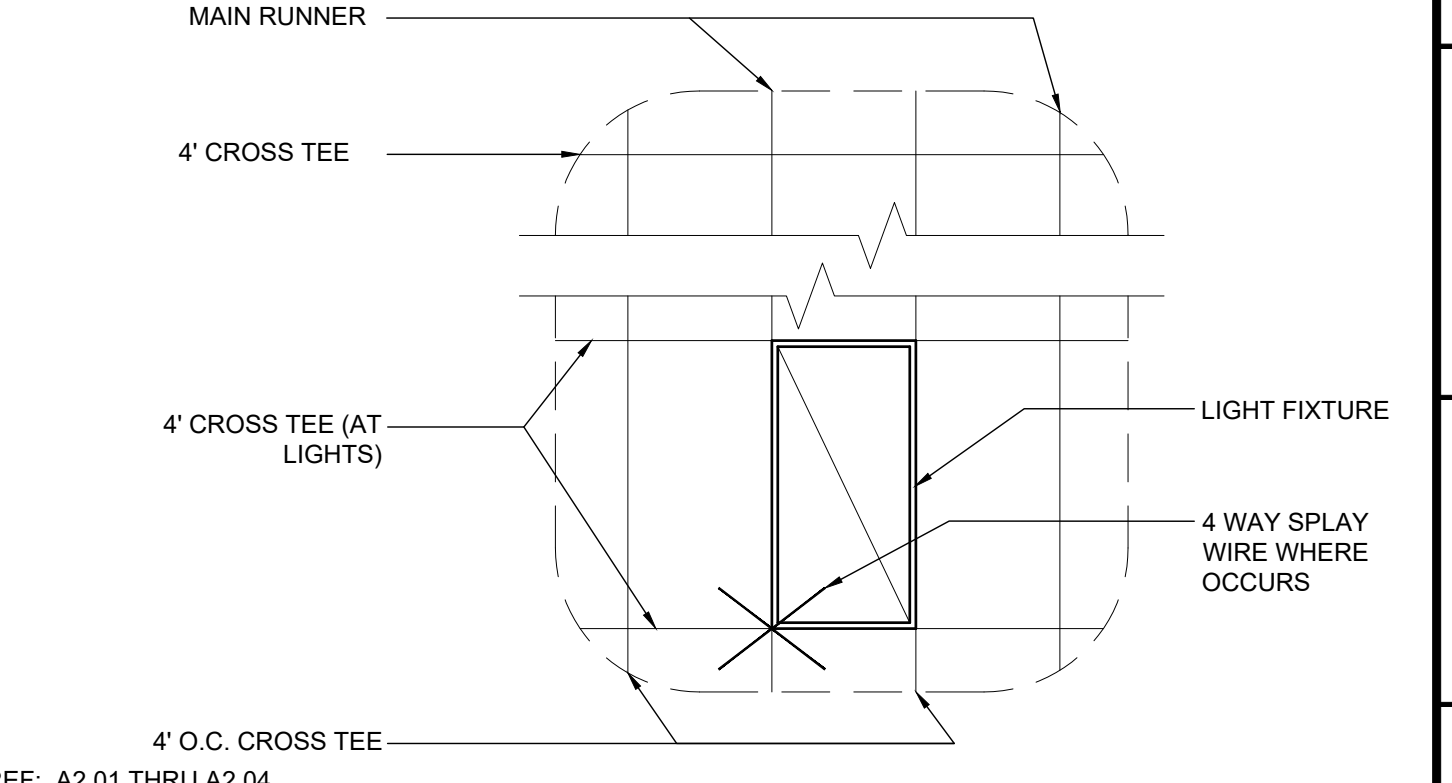
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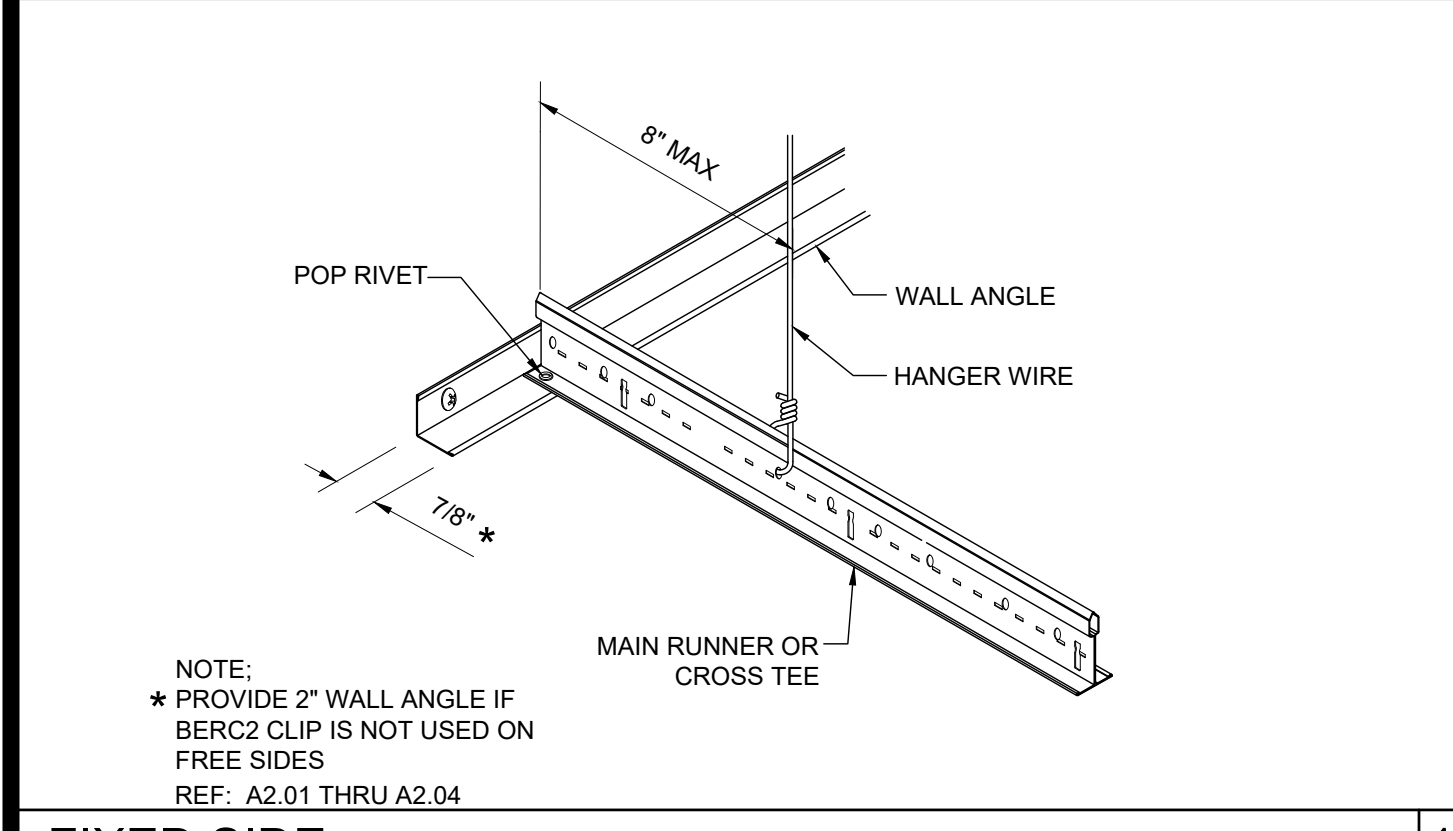
HVAC REGISTER MOUNTING SCALE: NTS 12



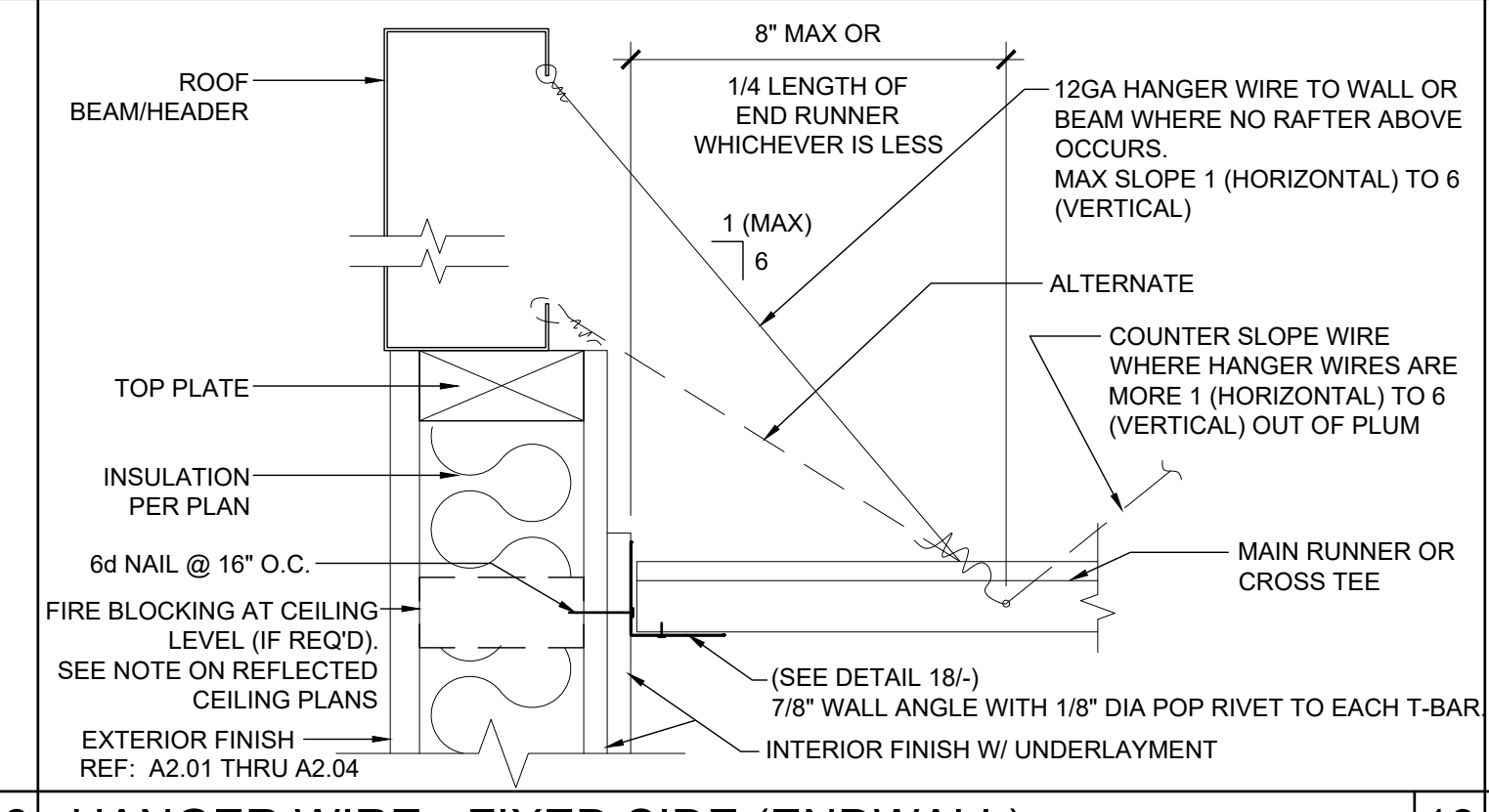
LIGHT FIXTURE MOUNTING SCALE: NTS 7



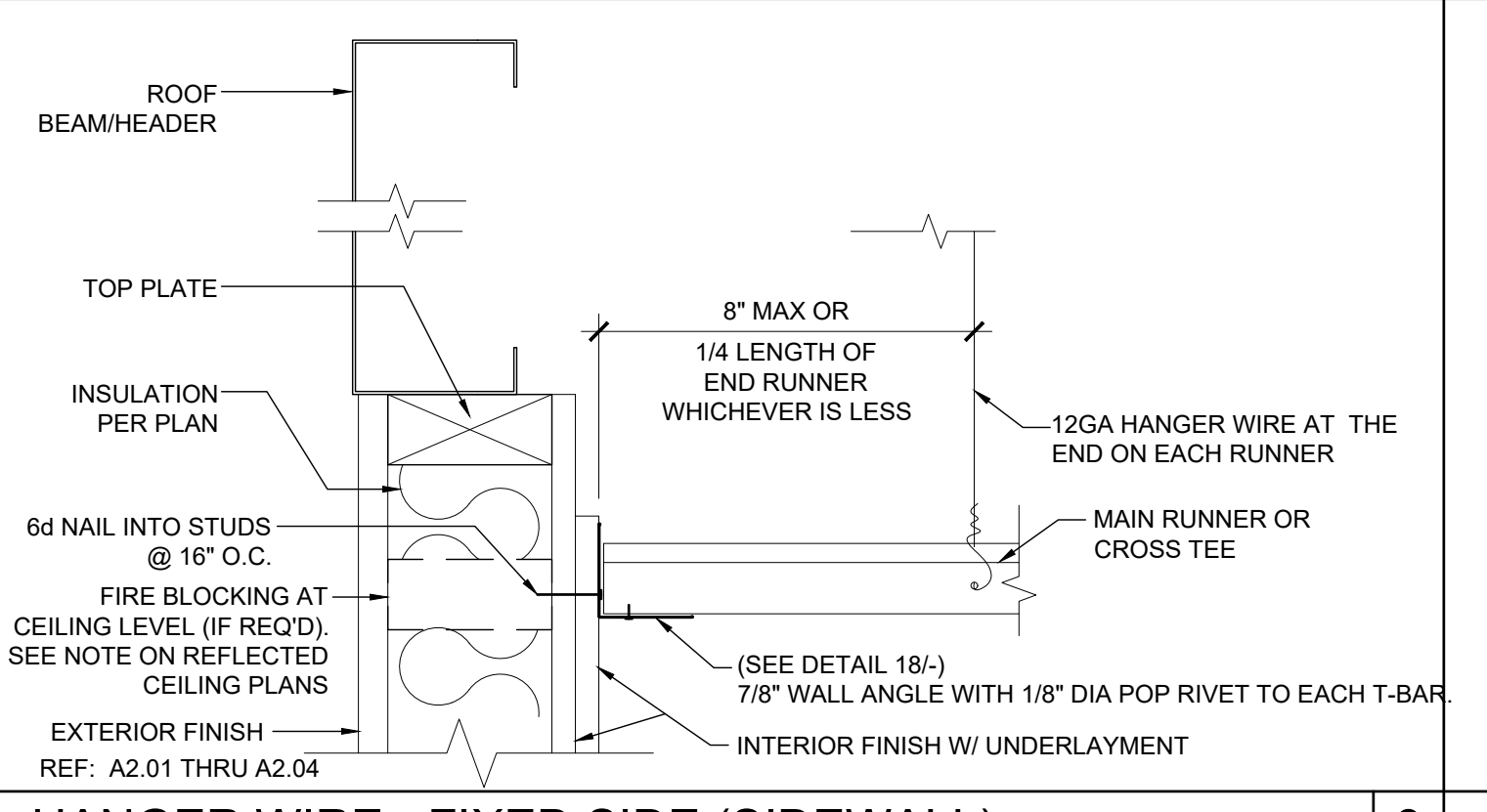
4' CROSS TEE AT LIGHTS SCALE: 3/8"=1'-0" 2



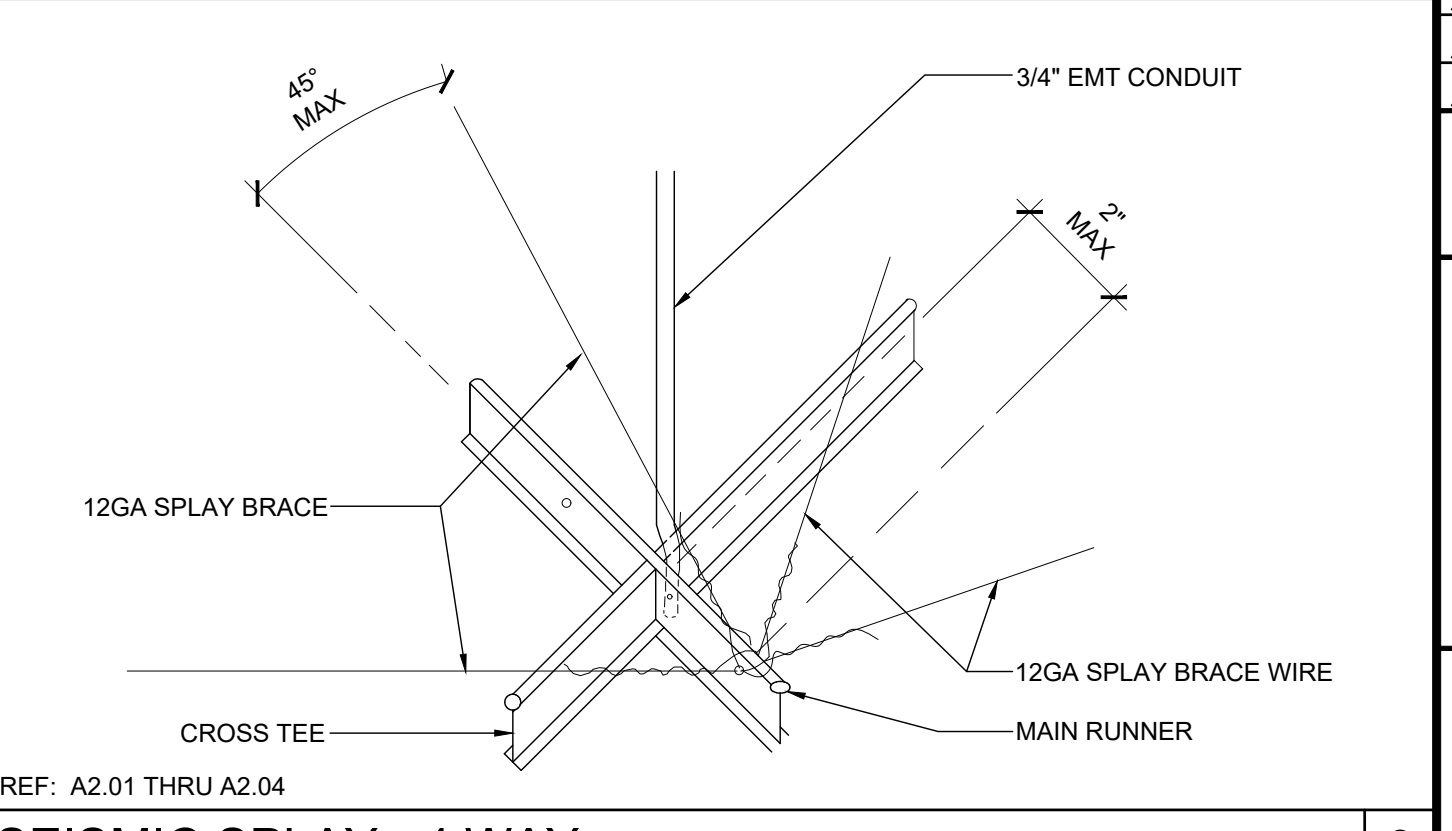
FIXED SIDE SCALE: NTS 18



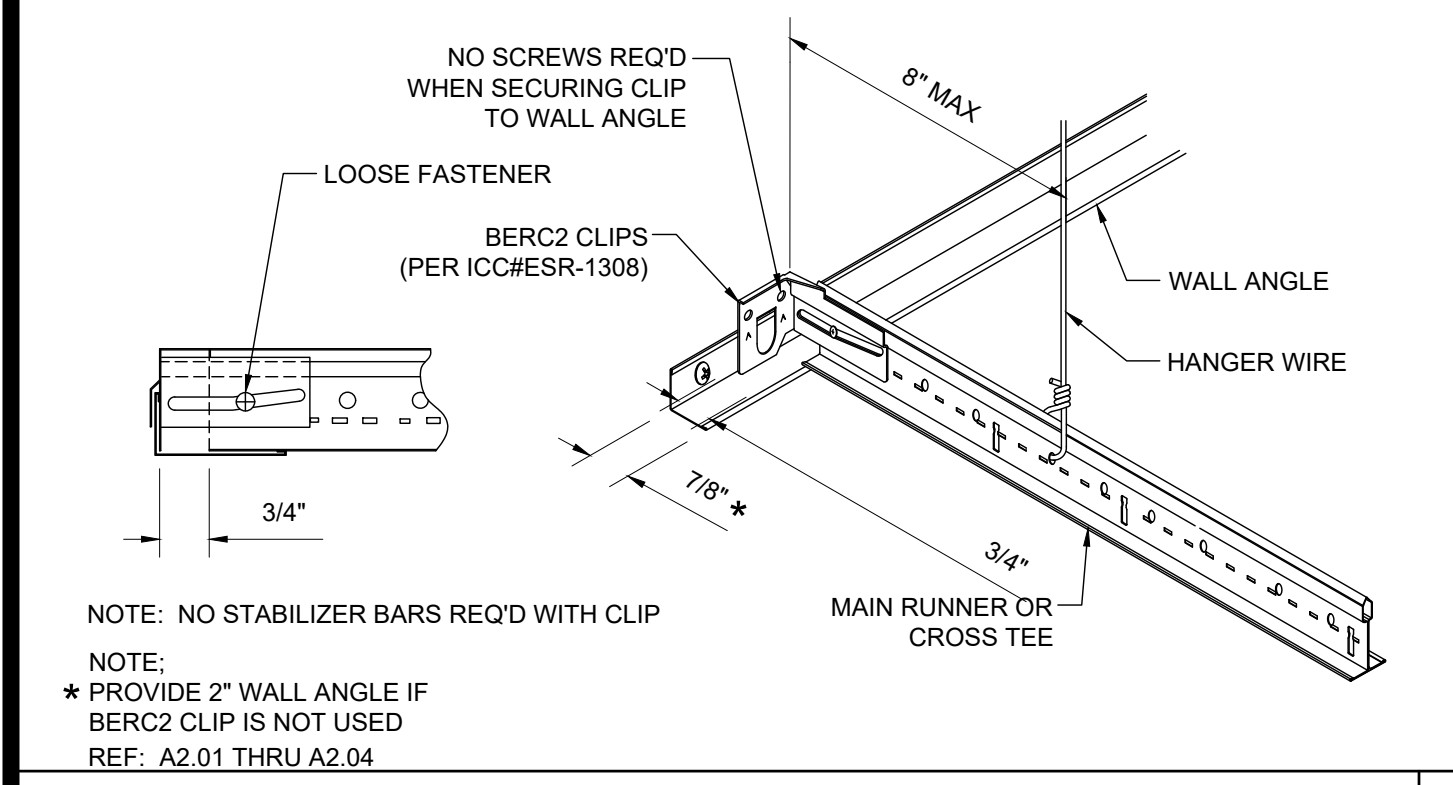
HANGER WIRE - FIXED SIDE (ENDWALL) SCALE: 3"=1'-0" 13



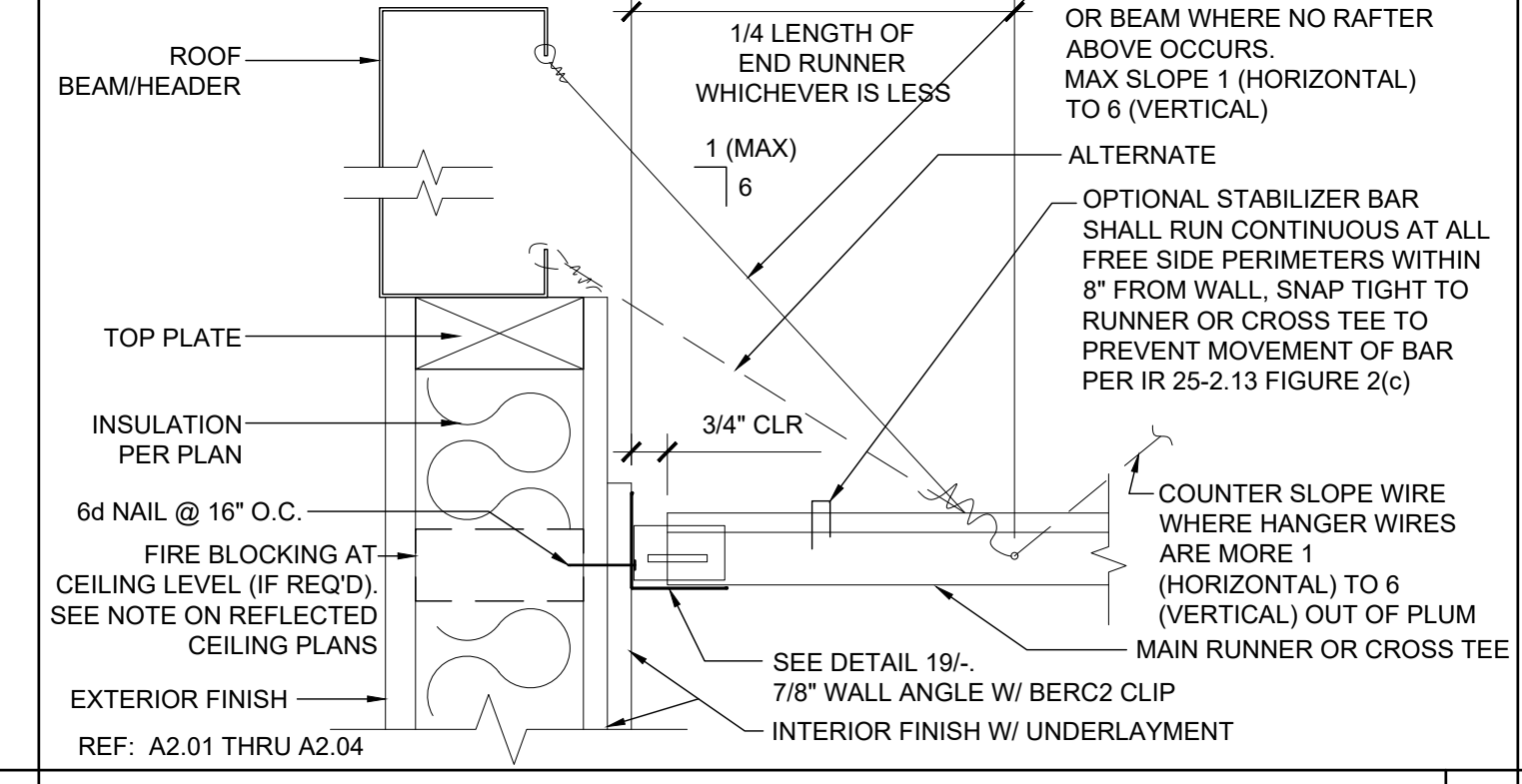
HANGER WIRE - FIXED SIDE (SIDEWALL) SCALE: 3"=1'-0" 8



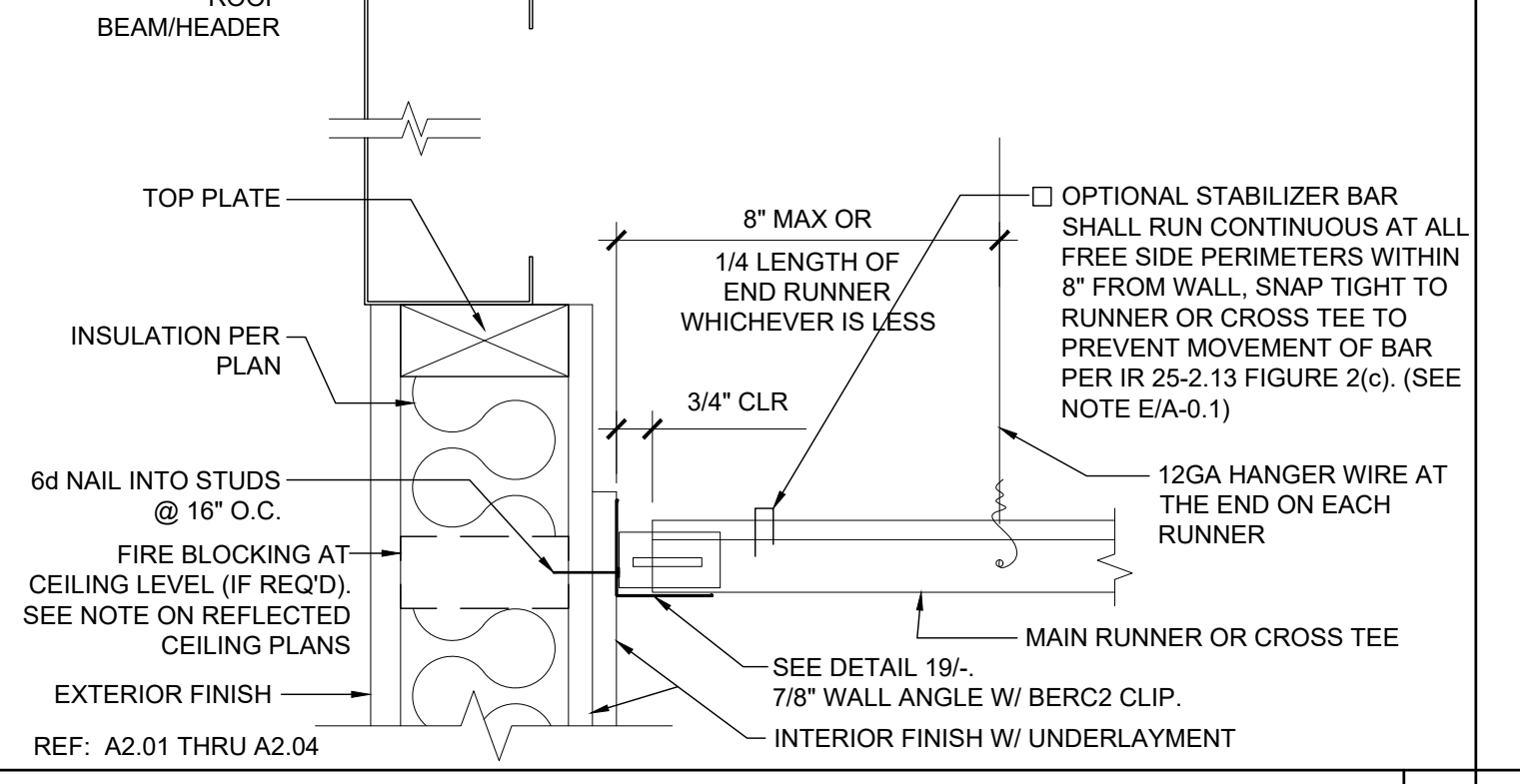
SEISMIC SPLAY - 4 WAY SCALE: NTS 3



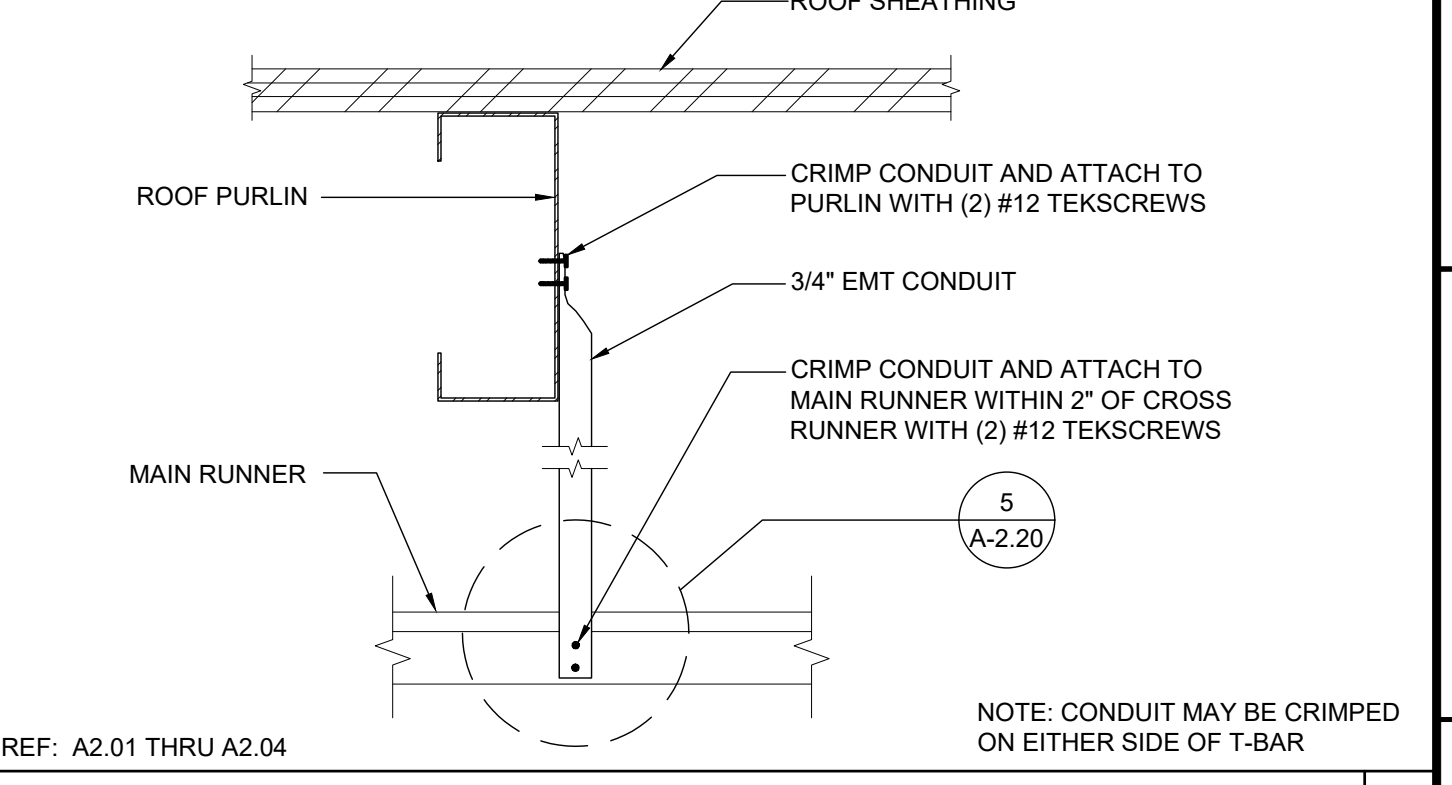
FREE SIDE SCALE: NTS 19



HANGER WIRE - FREE SIDE (ENDWALL) SCALE: 3"=1'-0" 14



HANGER WIRE - FREE SIDE (SIDEWALL) SCALE: 3"=1'-0" 9



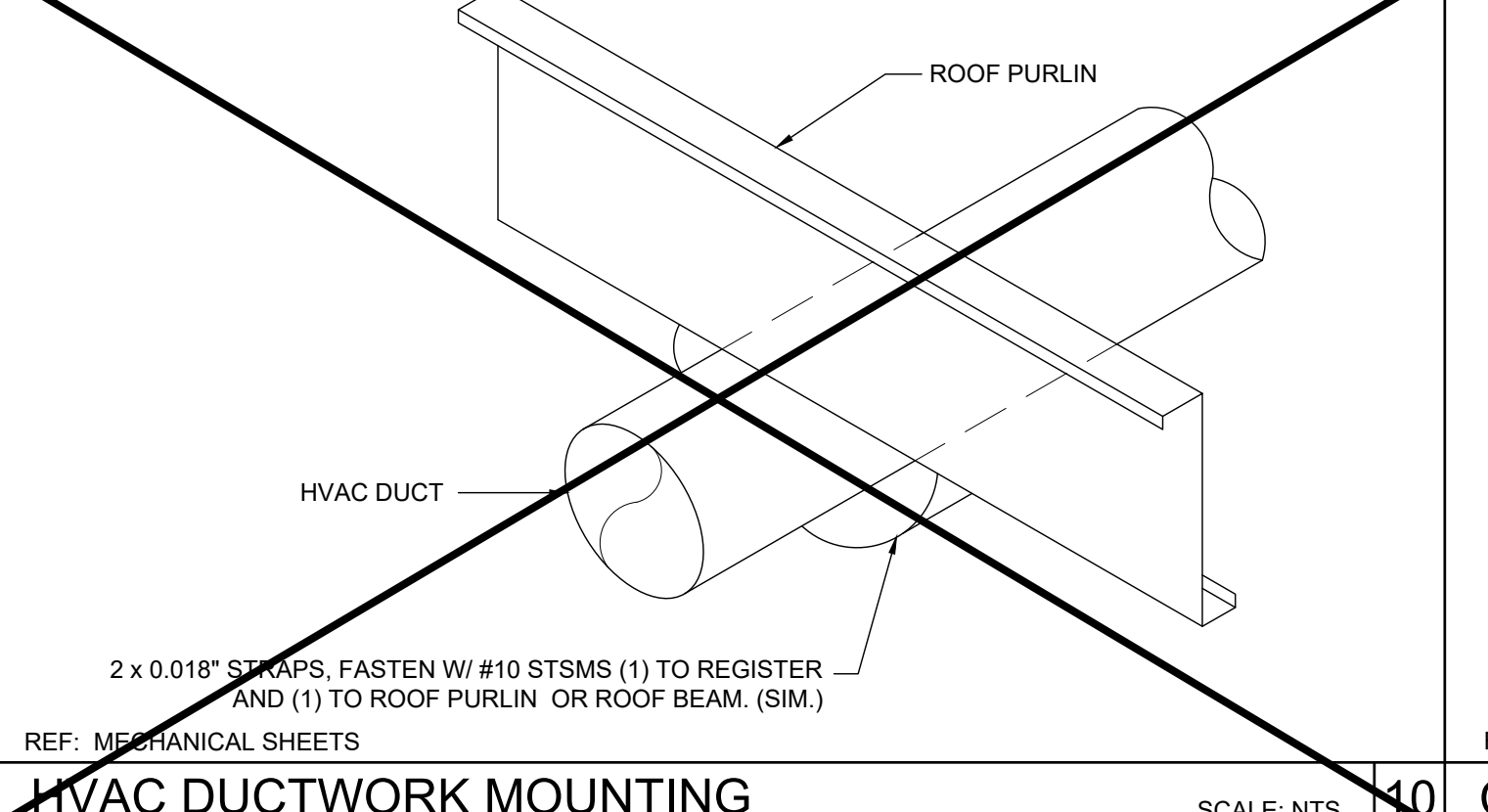
COMPRESSION STRUT SCALE: 3"=1'-0" 4



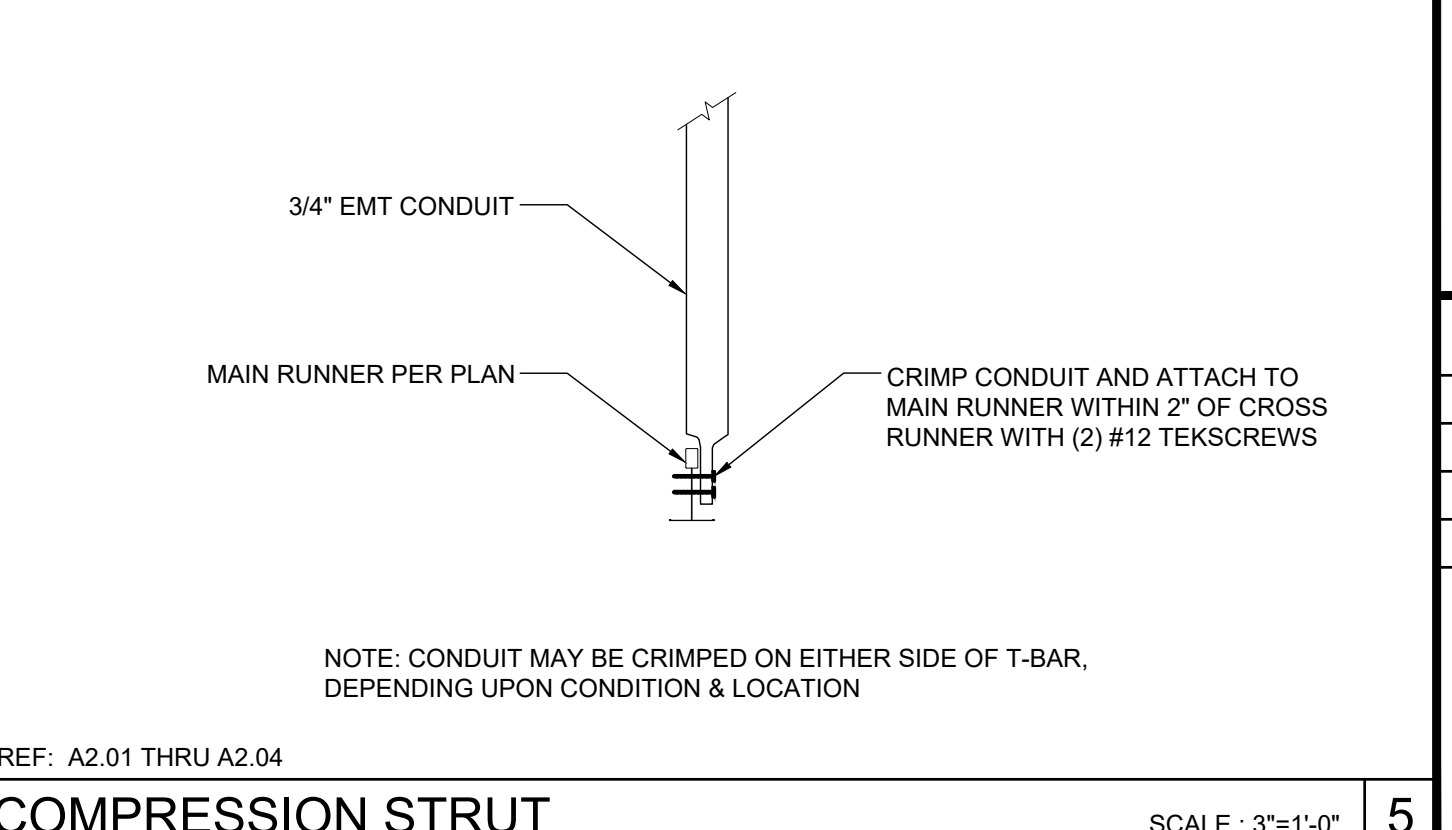
NOT USED 20



NOT USED 15



HVAC DUCTWORK MOUNTING SCALE: NTS 10



COMPRESSION STRUT SCALE: 3"=1'-0" 5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**CEILING DETAILS
T-GRID**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL

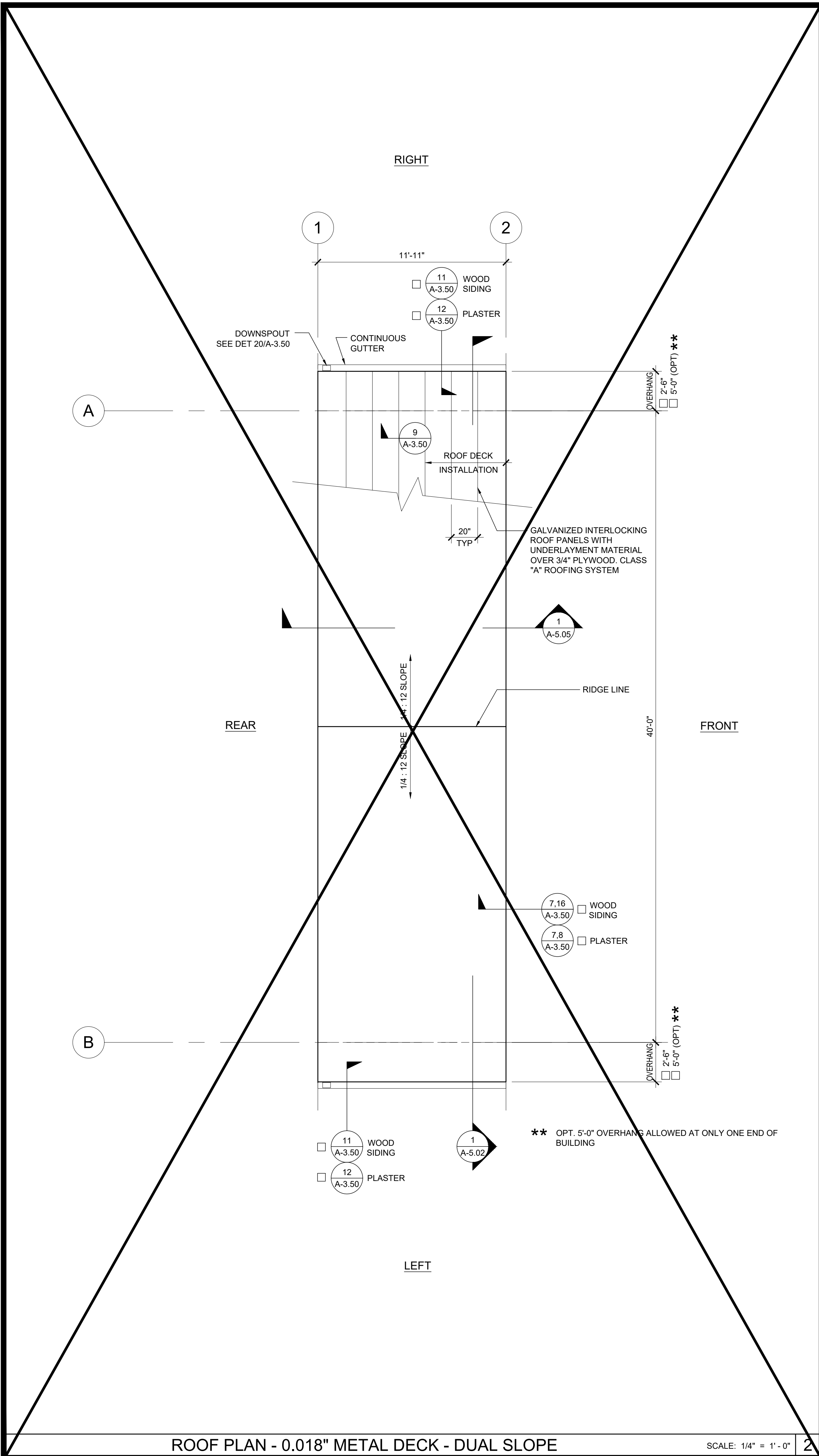
SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

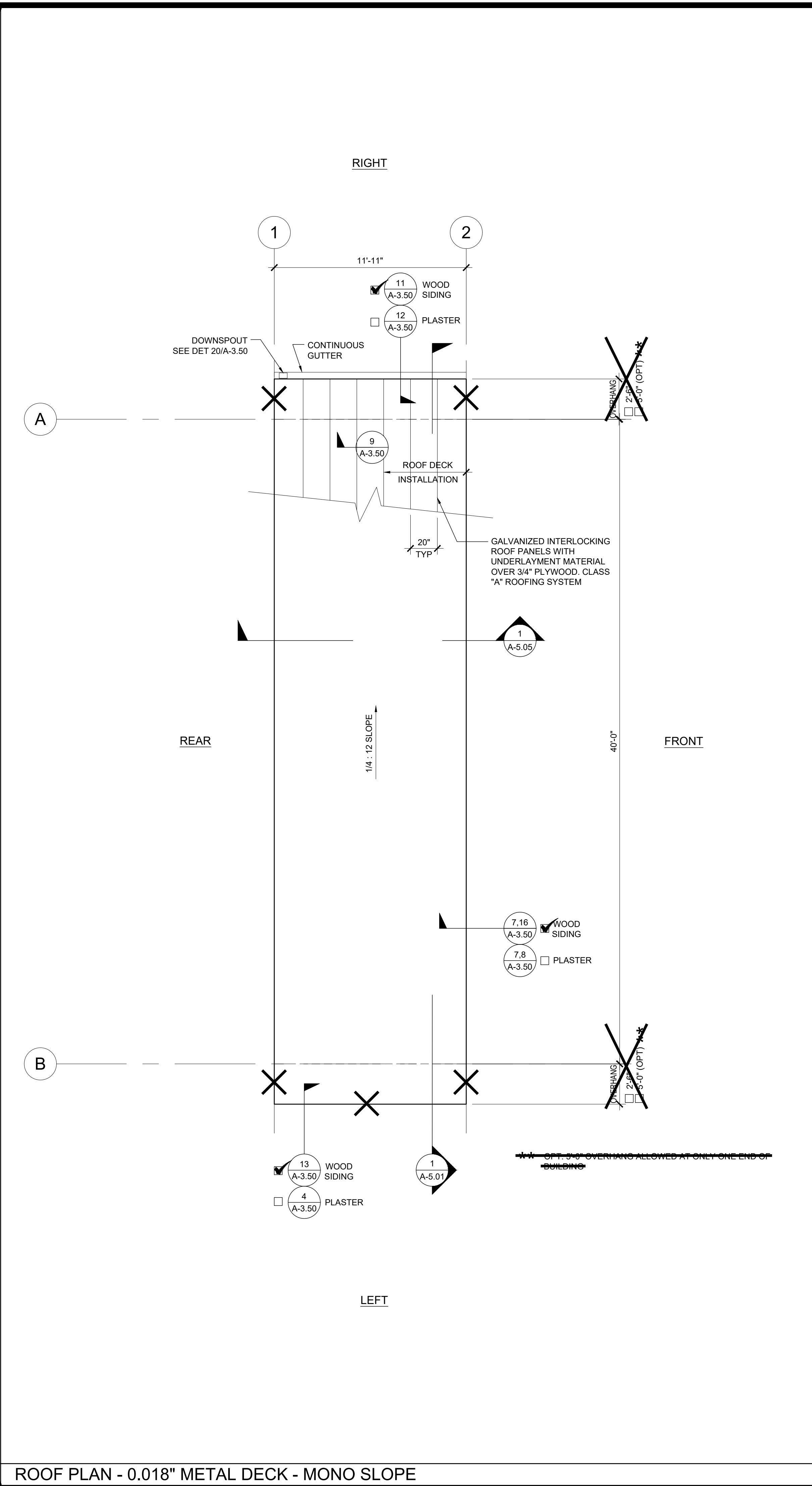
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020
P.C. SHEET NUMBER
A-2.20



ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE

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

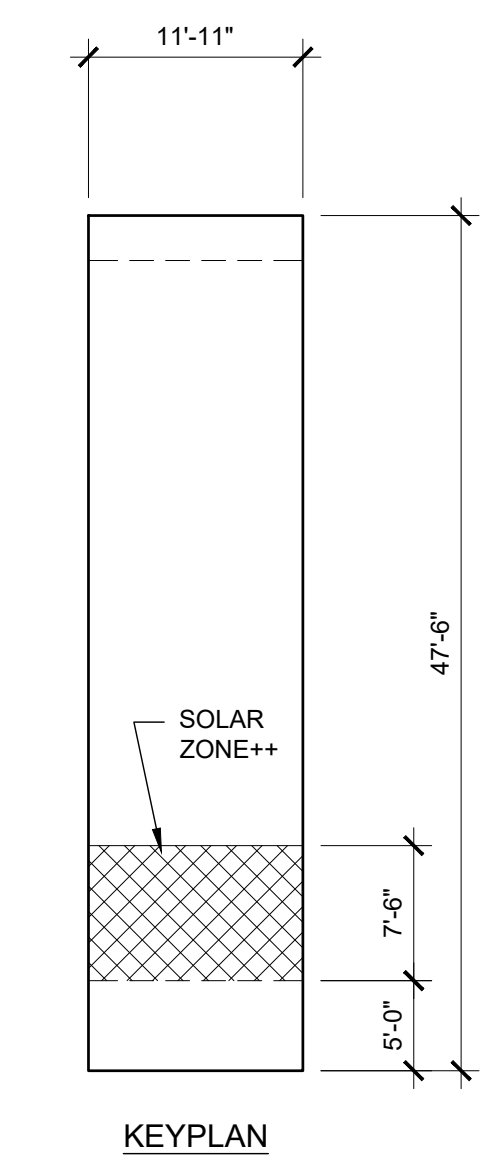


ROOF PLAN - 0.018" METAL DECK - MONO SLOPE

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

- NOTES**
- BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
 - LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
 - ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES. OR A GUARDRAIL SHALL BE PROVIDED PER 715-2.60

SOLAR ZONE



SOLAR ZONE CALCULATION TABLE

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
12'-0" x 40'-0"	86 SF	89 SF

++NOTE: ACTUAL SOLAR ZONE LOCATION AND SIZE MAY VARY. MINIMUM ZONE AREA SHALL BE PER THE TABLE ABOVE.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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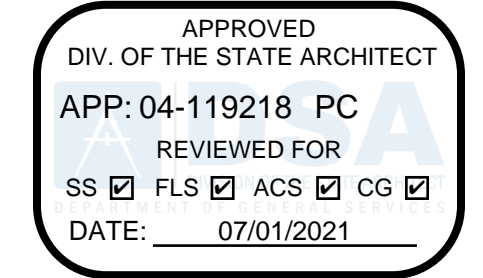
PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
**ROOF PLAN
 12'x40' - METAL DECK
 MONO OR DUAL SLOPE**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
 CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
 Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

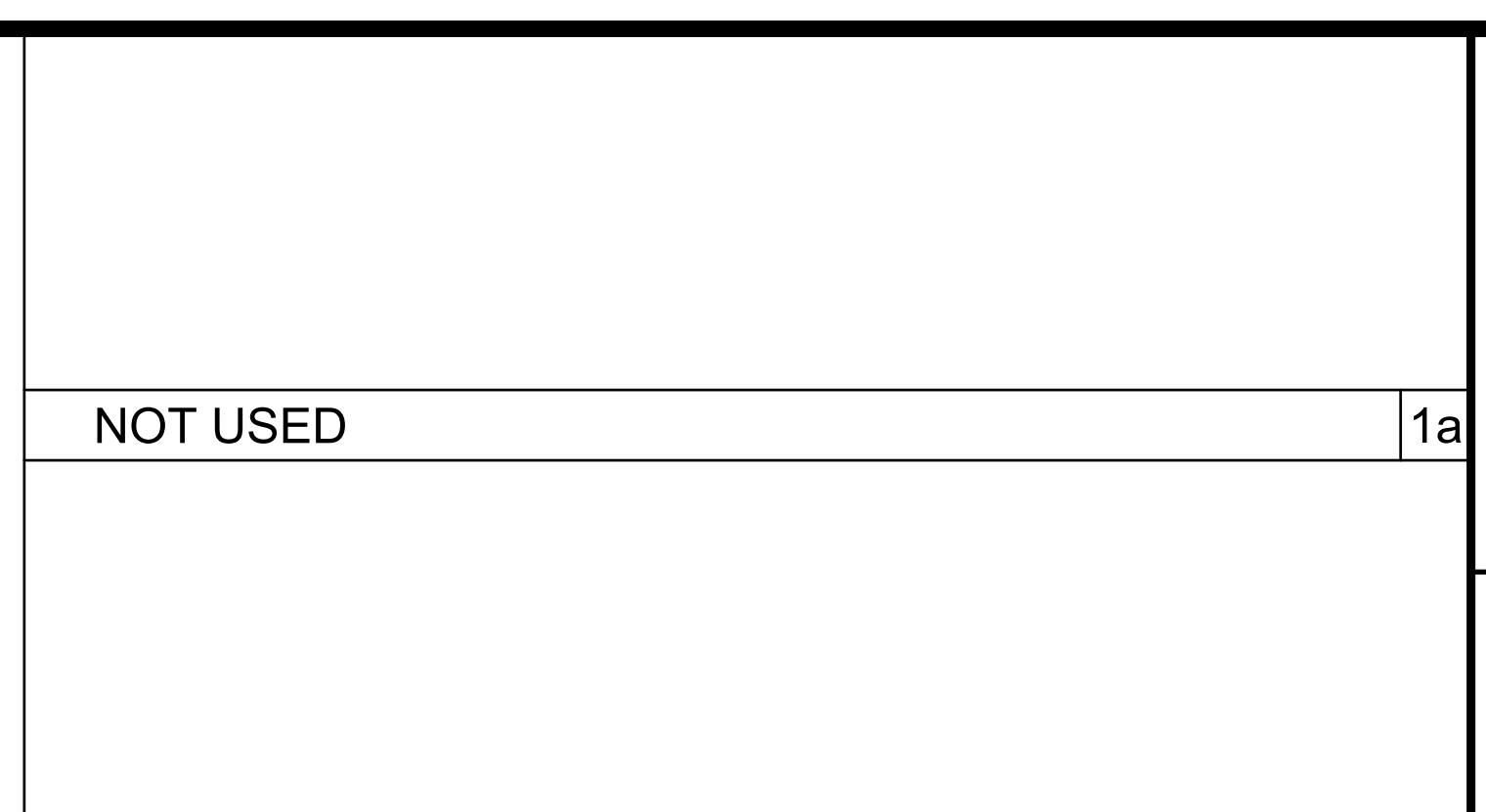
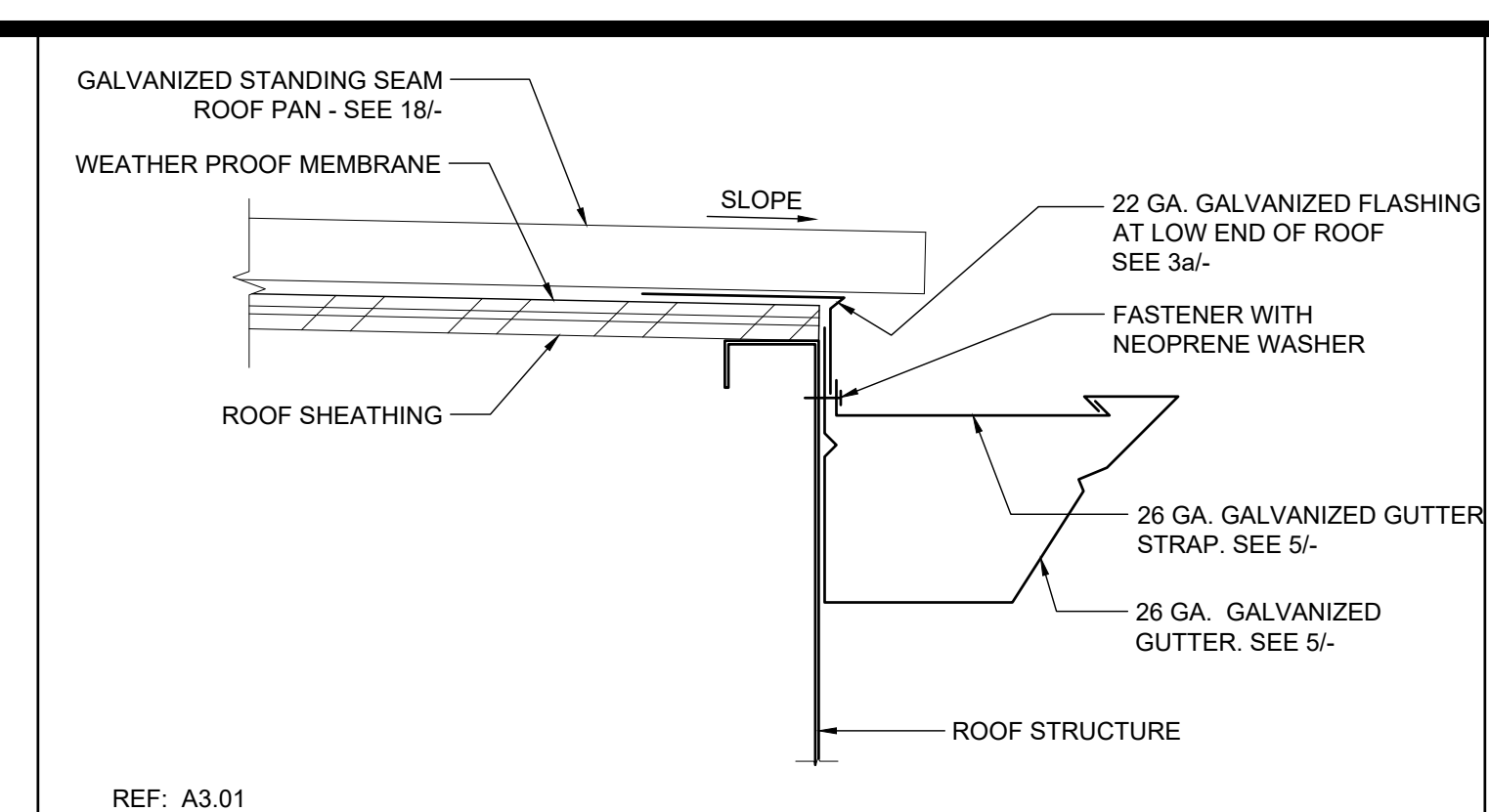
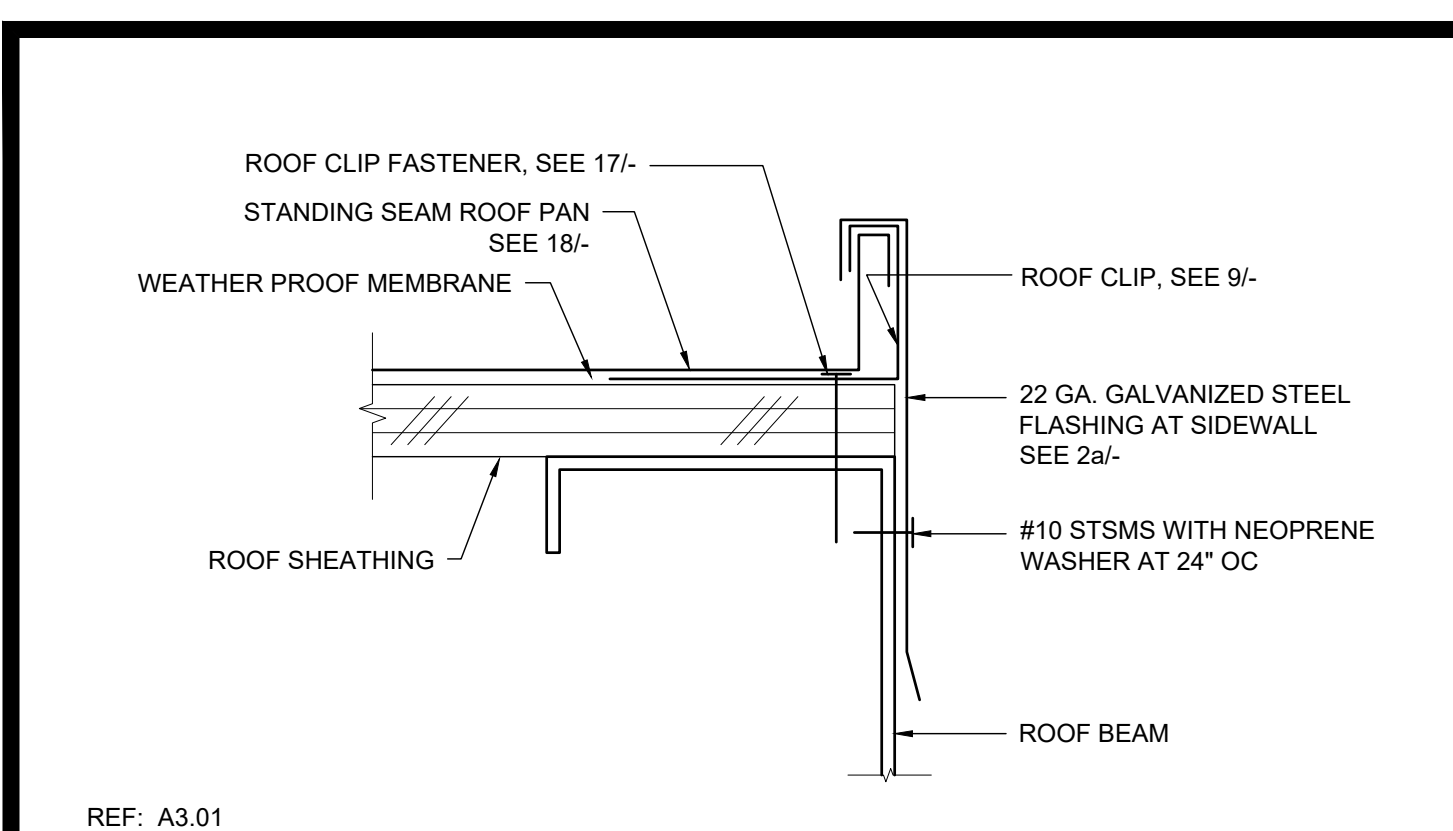
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

P.C. SHEET NUMBER
A-3.01



PROJECT SPECIFIC STATE AGENCY APPROVAL

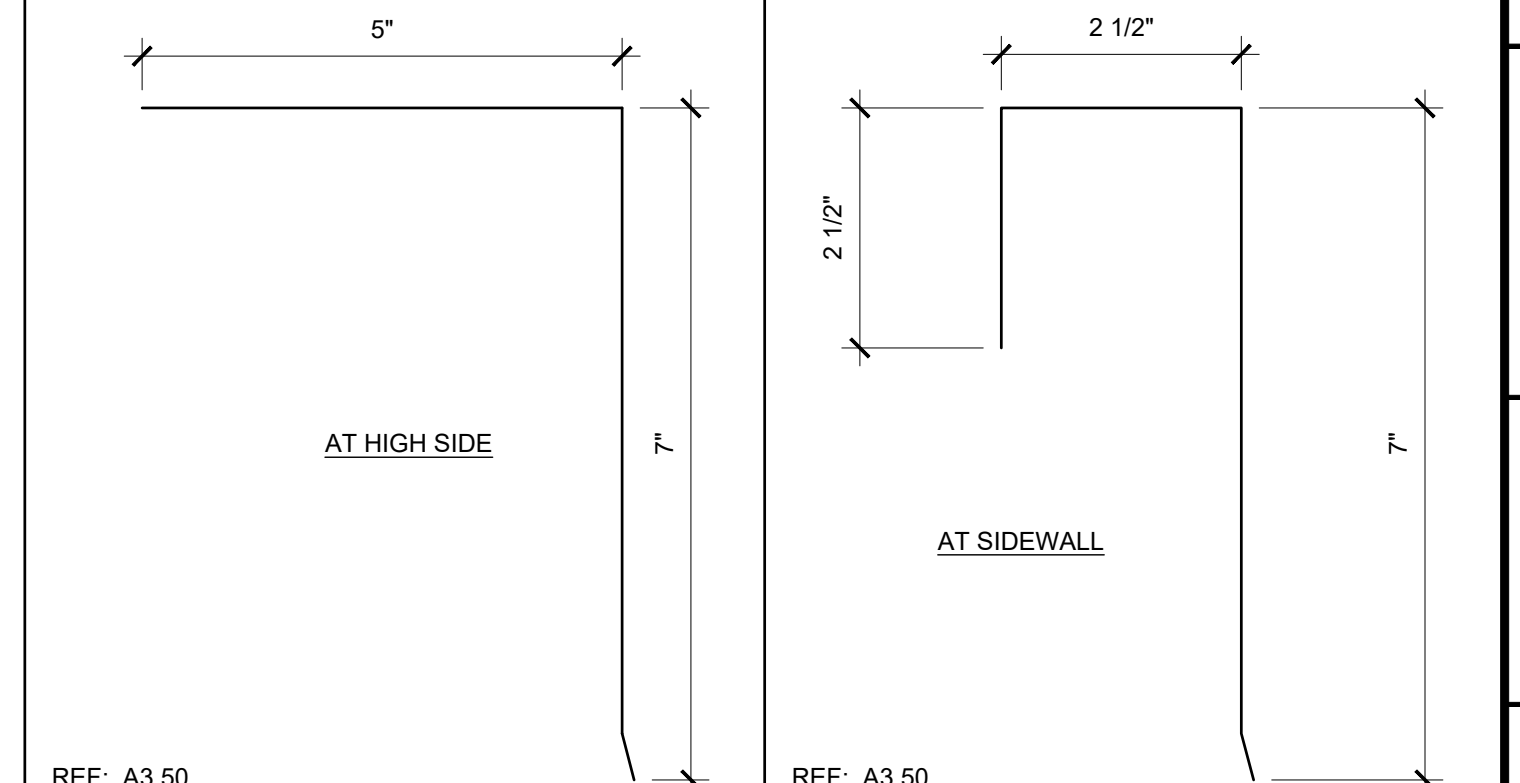
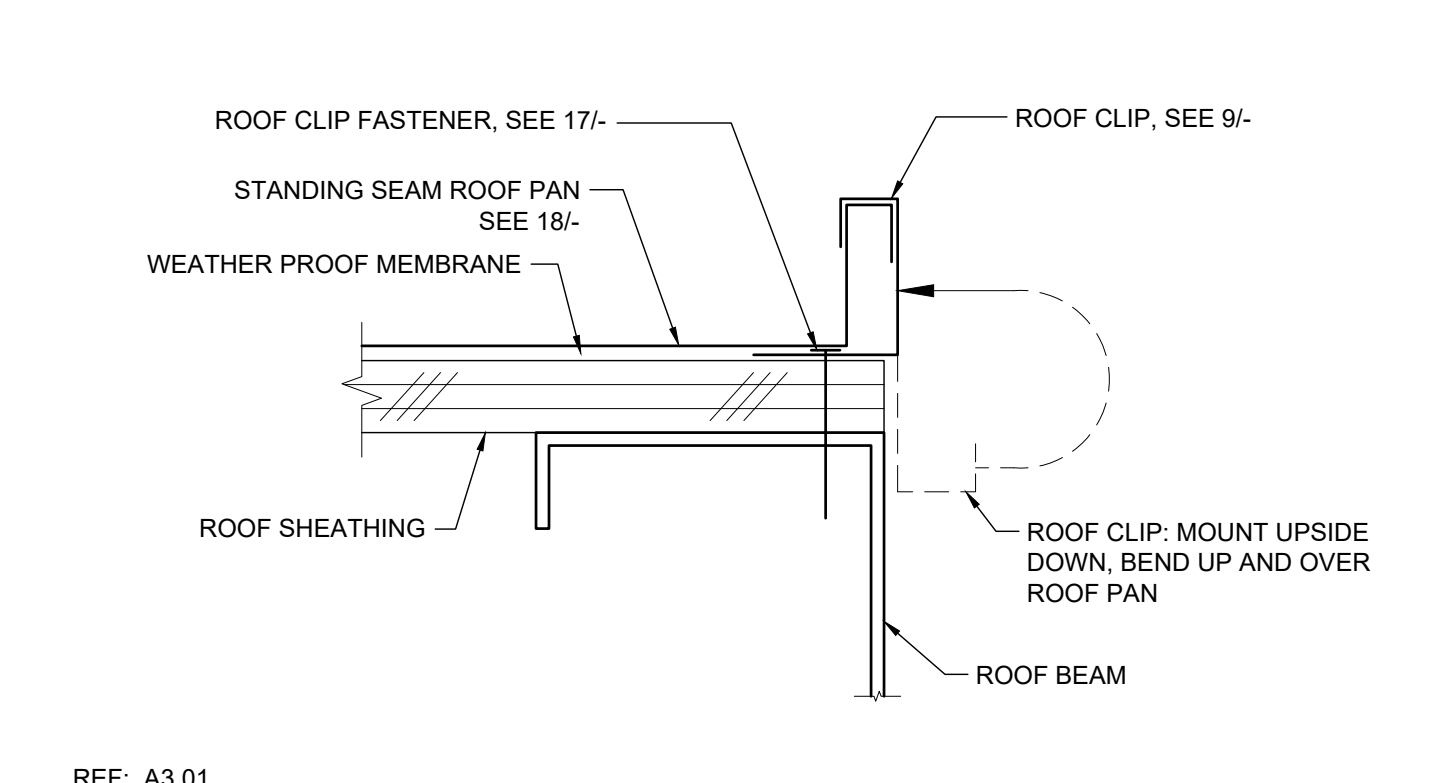
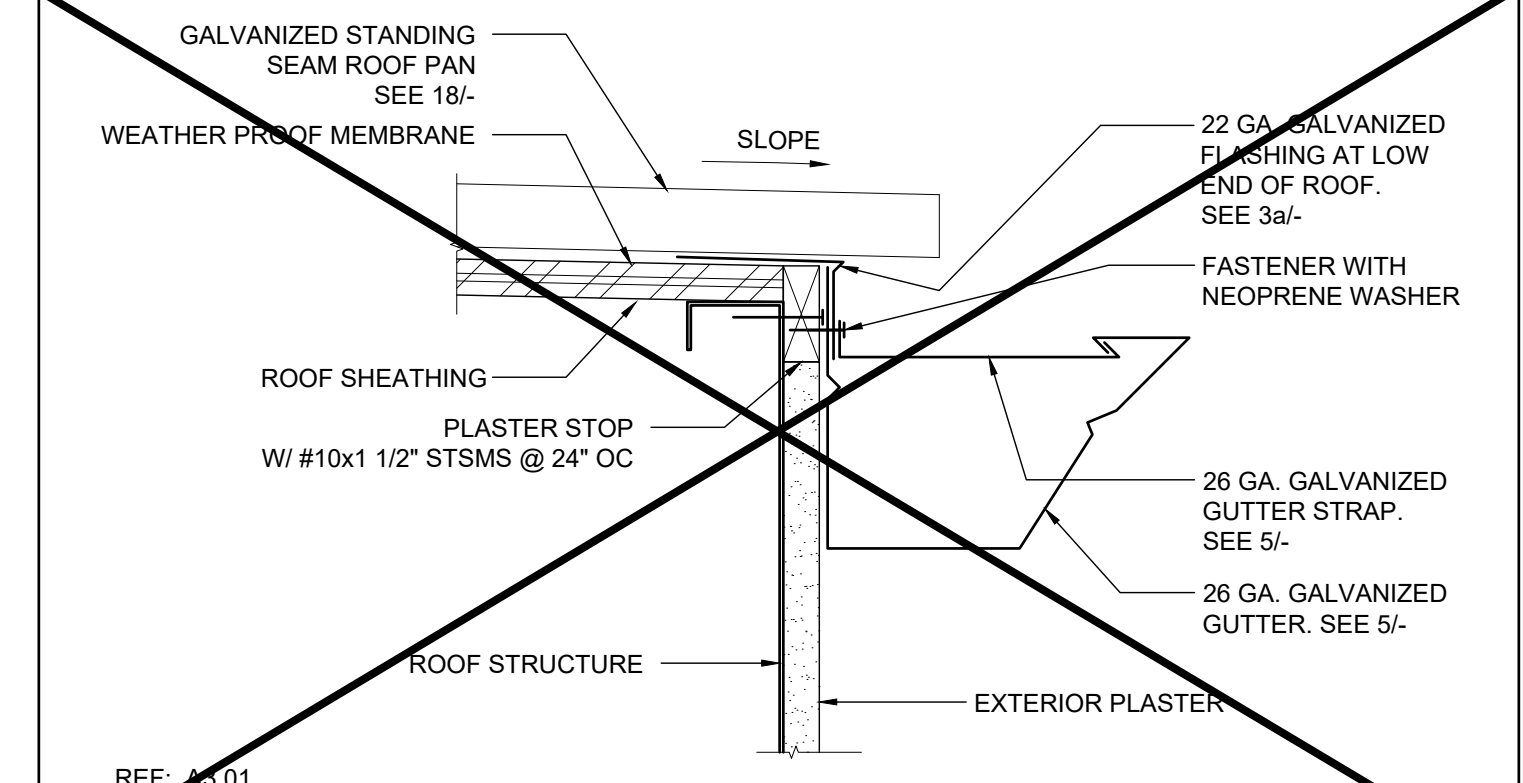
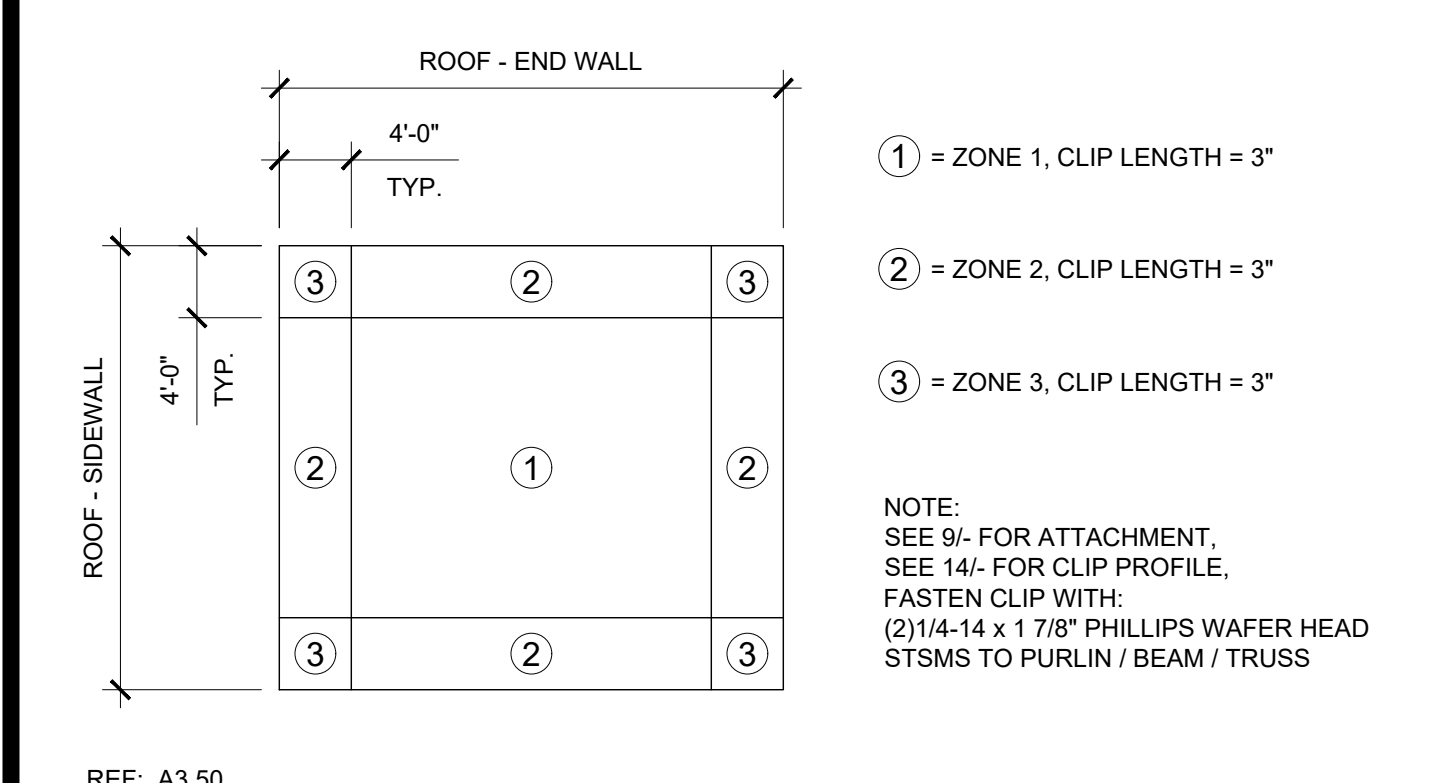
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REF: A3.01
ROOF FLASHING AT SIDEWALL SCALE: 6"=1'-0" 16

REF: A3.01
GUTTER AT ROOF FASCIA BEAM SCALE: 3"=1'-0" 11

NOT USED 6

NOT USED 1b



PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**ROOF DETAILS
STANDING SEAM
ROOF DECK**

REVISIONS

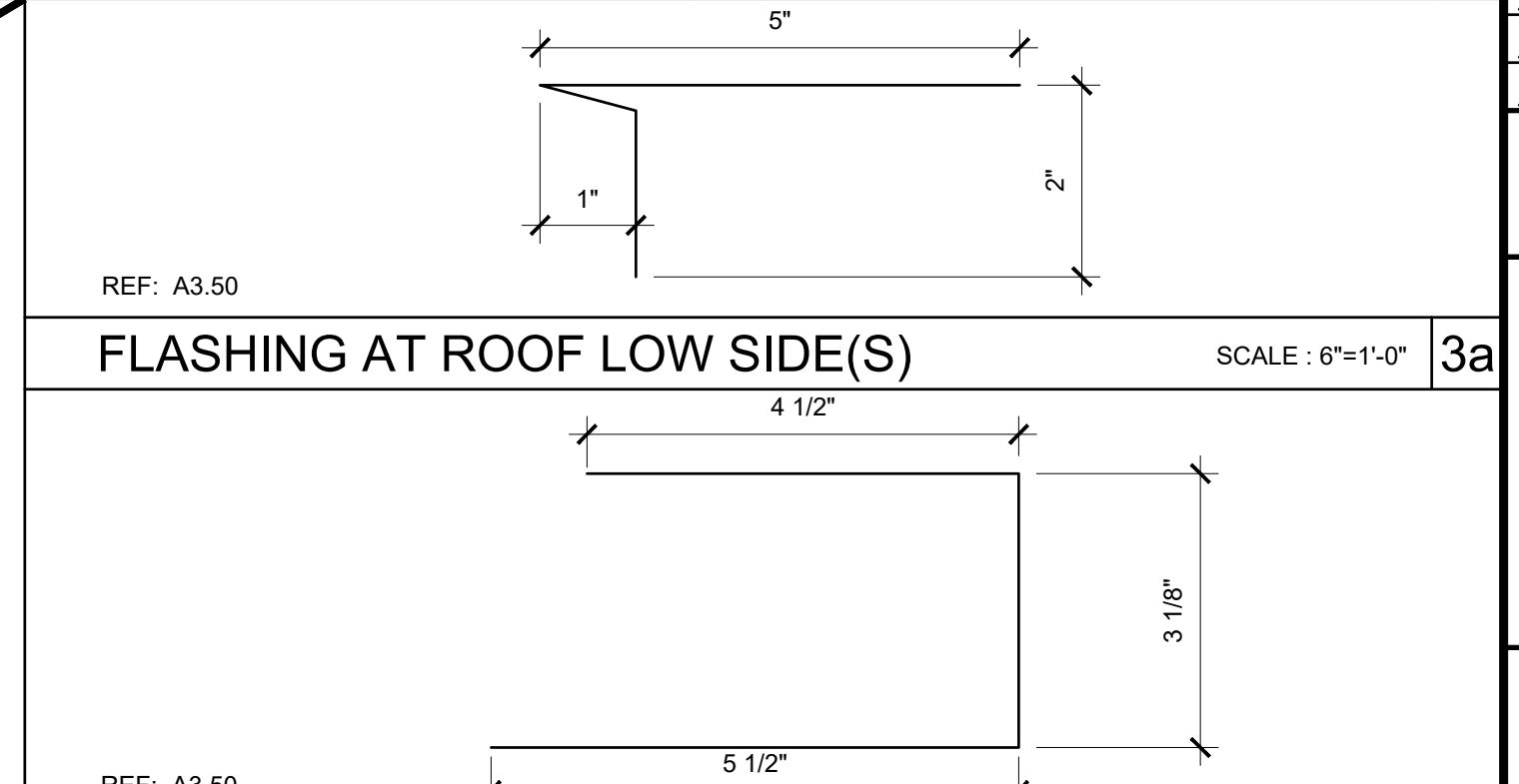
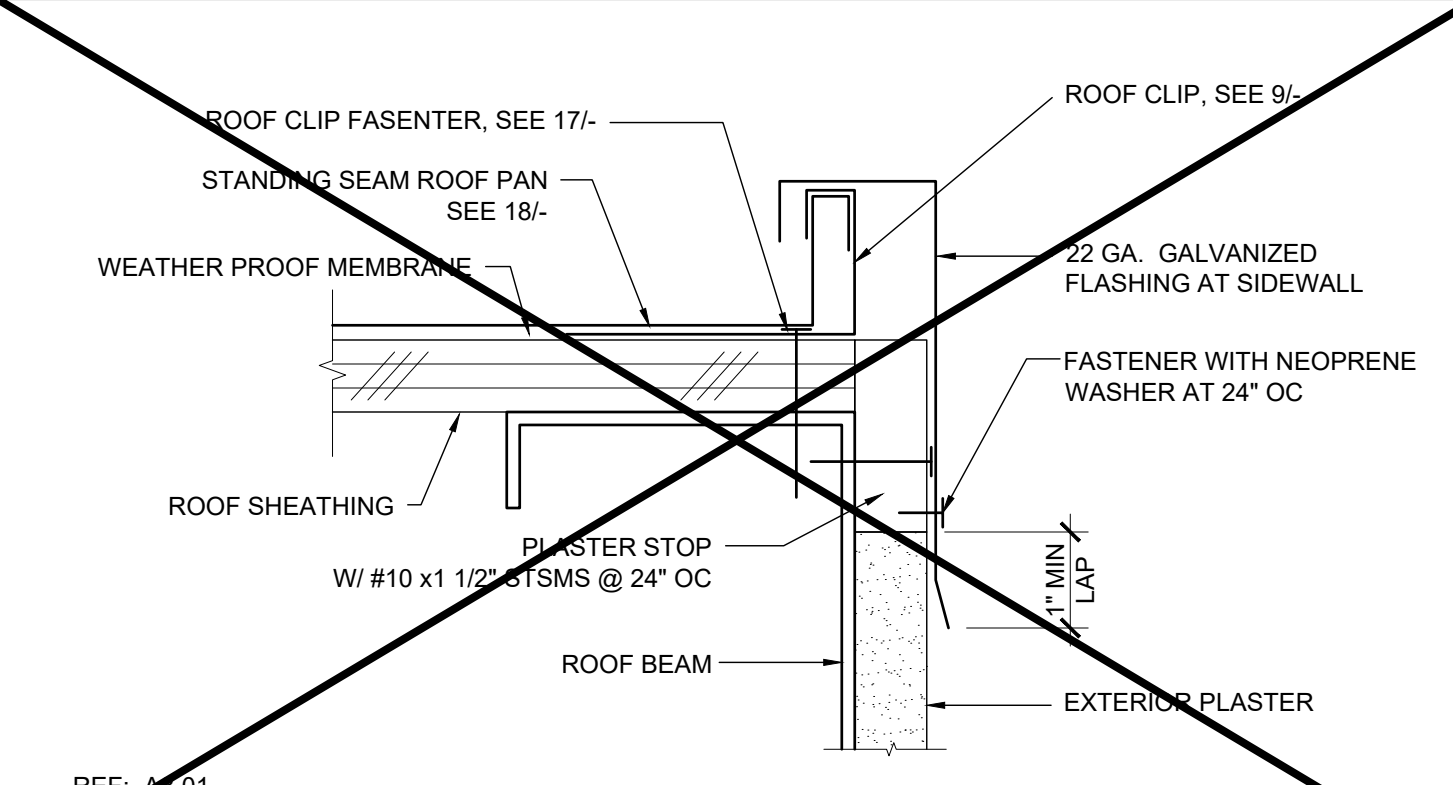
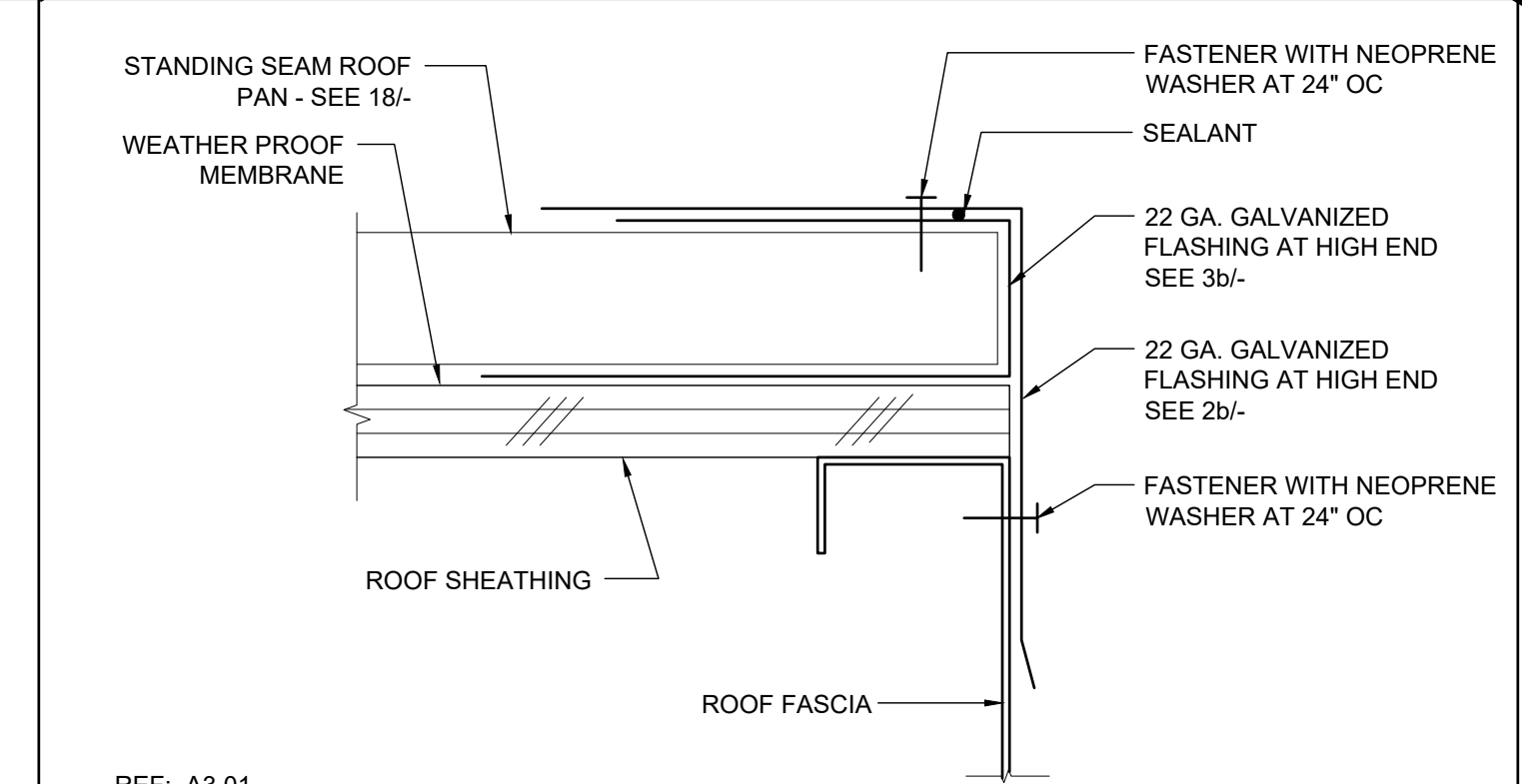
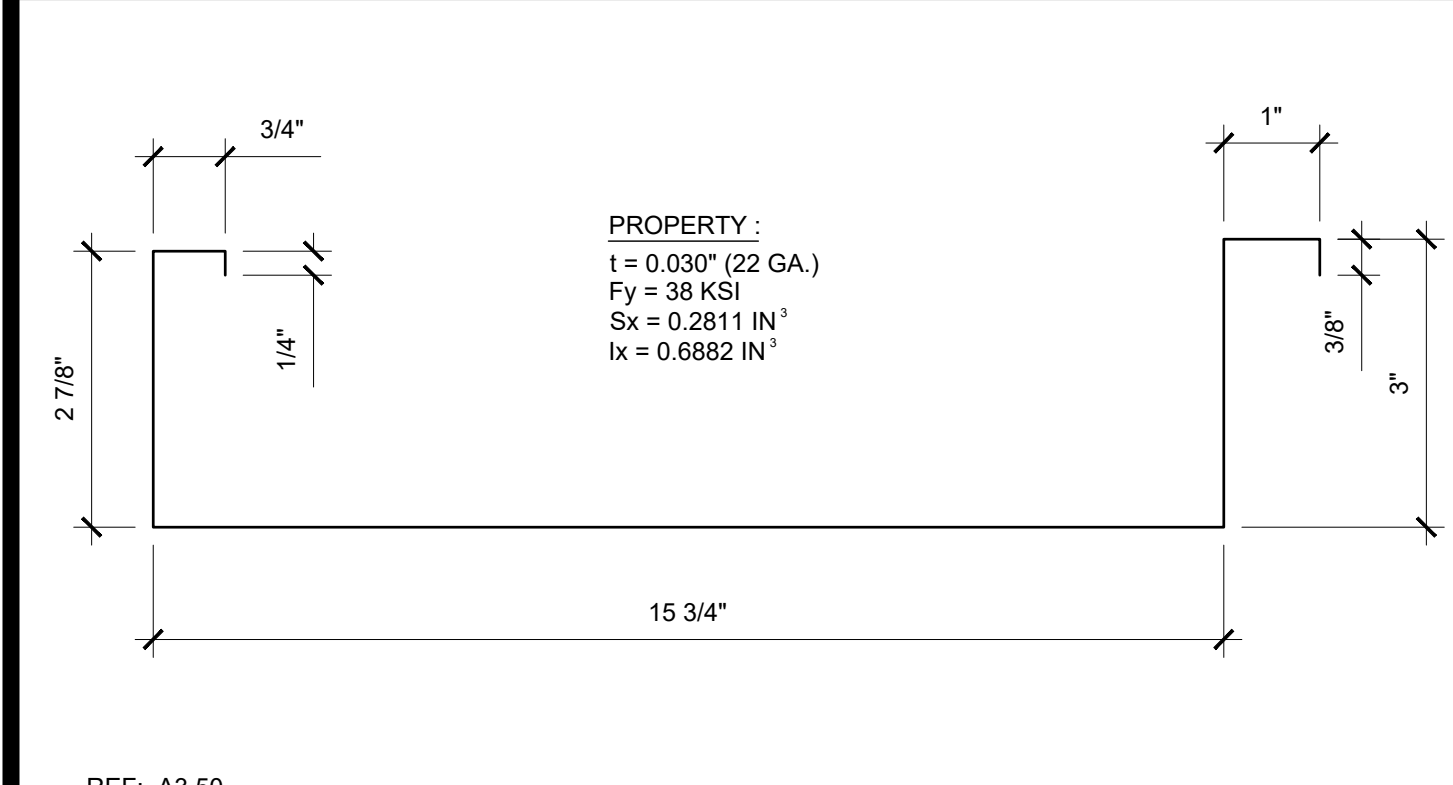
REF: A3.50
ROOF CLIP ZONES NTS 17

REF: A3.01
GUTTER AT ROOF FASCIA BEAM SCALE: 3"=1'-0" 12

REF: A3.01
STARTER ROOF PAN CONNECTION SCALE: 6"=1'-0" 7

REF: A3.50
ROOF FLASHING SCALE: 6"=1'-0" 2b

REF: A3.50
ROOF FLASHING SCALE: 6"=1'-0" 2a



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DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
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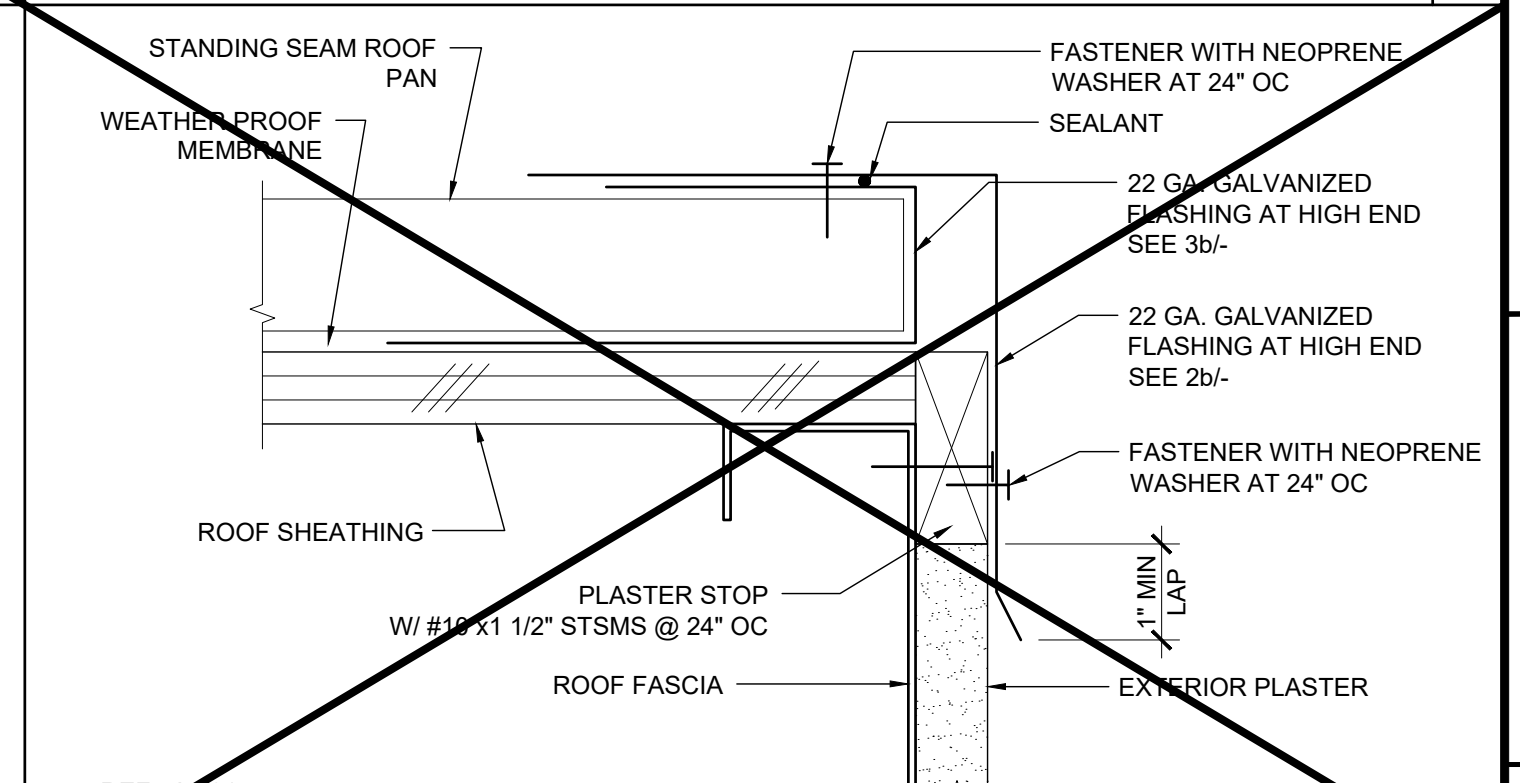
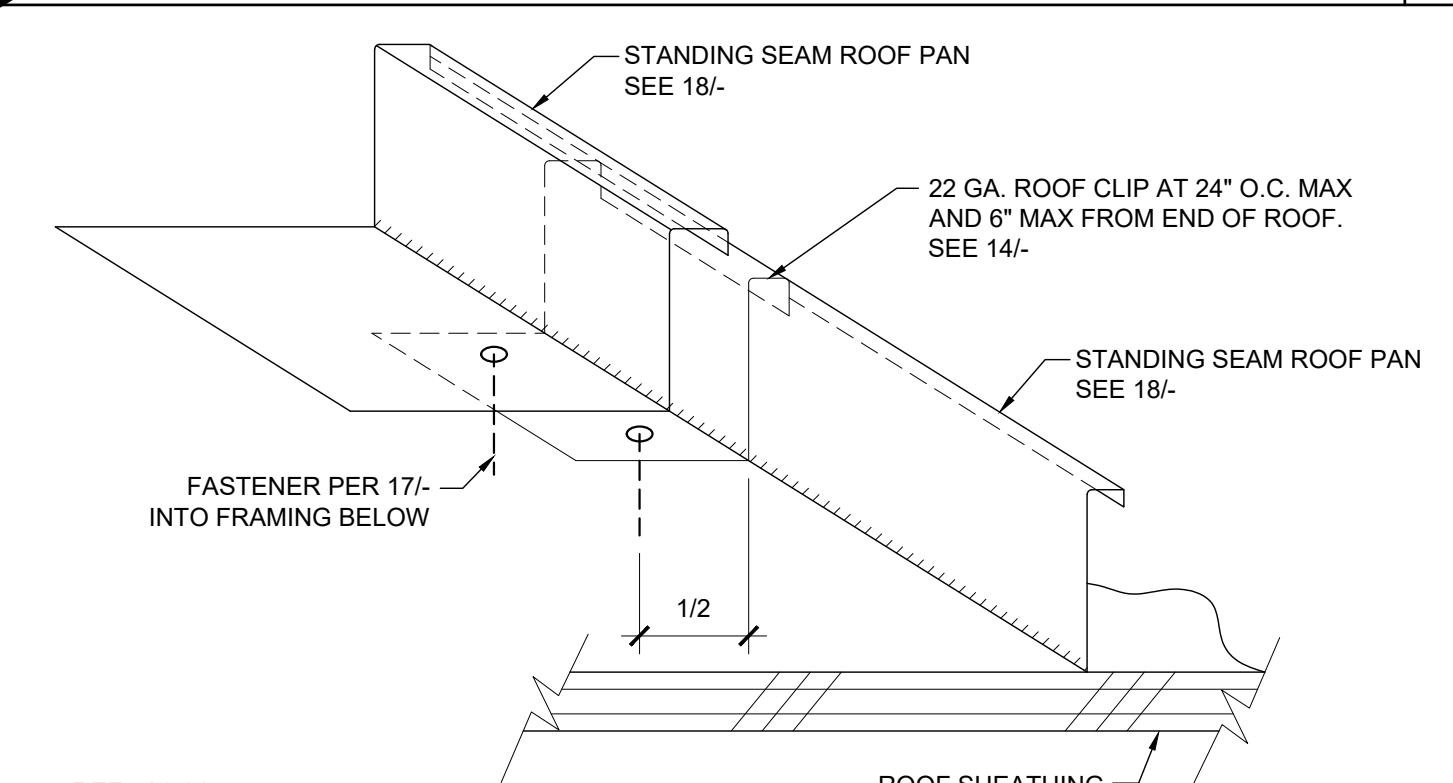
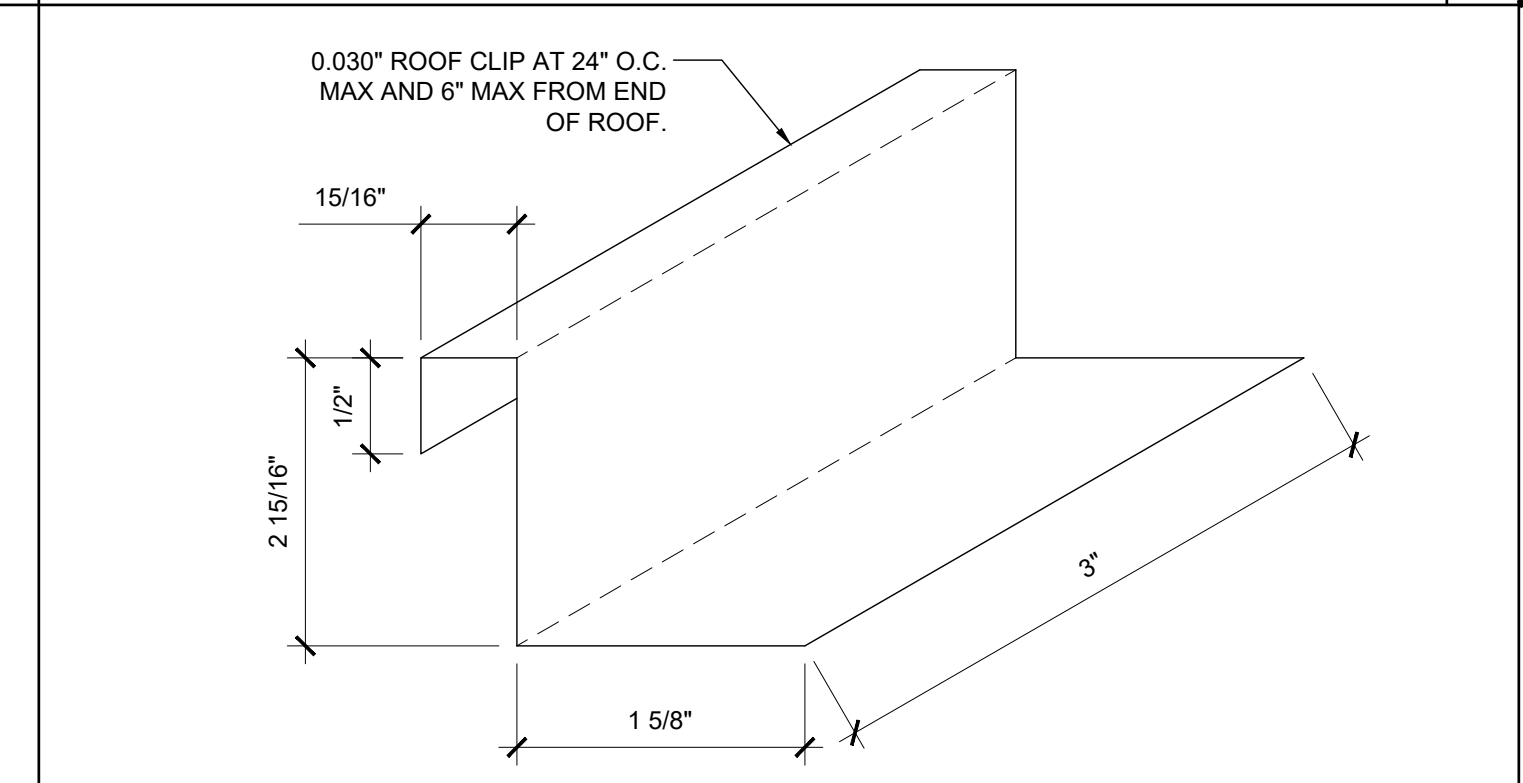
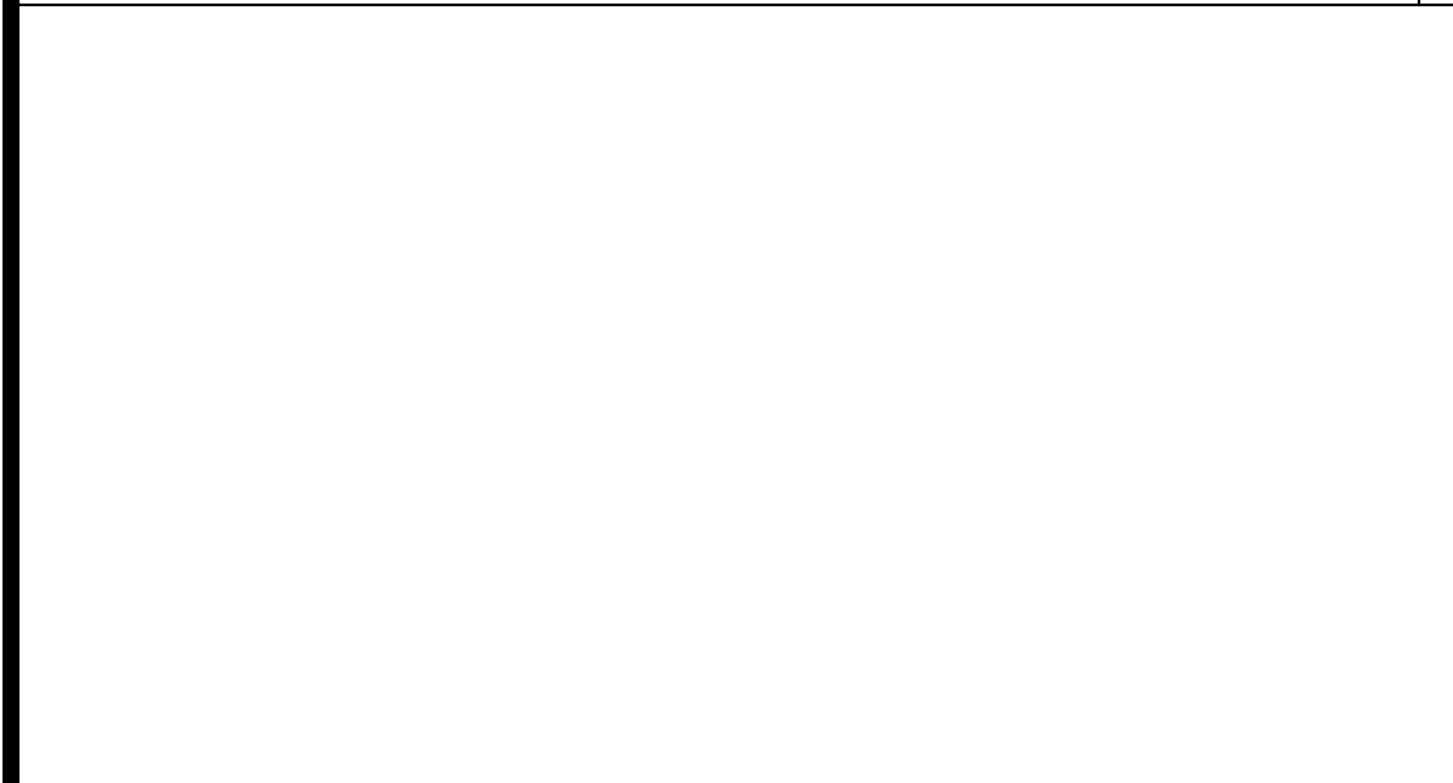
PC STATE AGENCY APPROVAL
SILVER CREEK INDUSTRIES, INC.

REF: A3.50
ROOF DECK PROFILE SCALE: NTS 18

REF: A3.01
ROOF FLASHING AT HIGH SIDE SCALE: 6"=1'-0" 13

REF: A3.01
ROOF FLASHING AT SIDEWALL SCALE: 6"=1'-0" 8

REF: A3.50
FLASHING AT ROOF HIGH SIDE SCALE: 6"=1'-0" 3b



MODULAR BUILDING DESIGN PROFESSIONAL

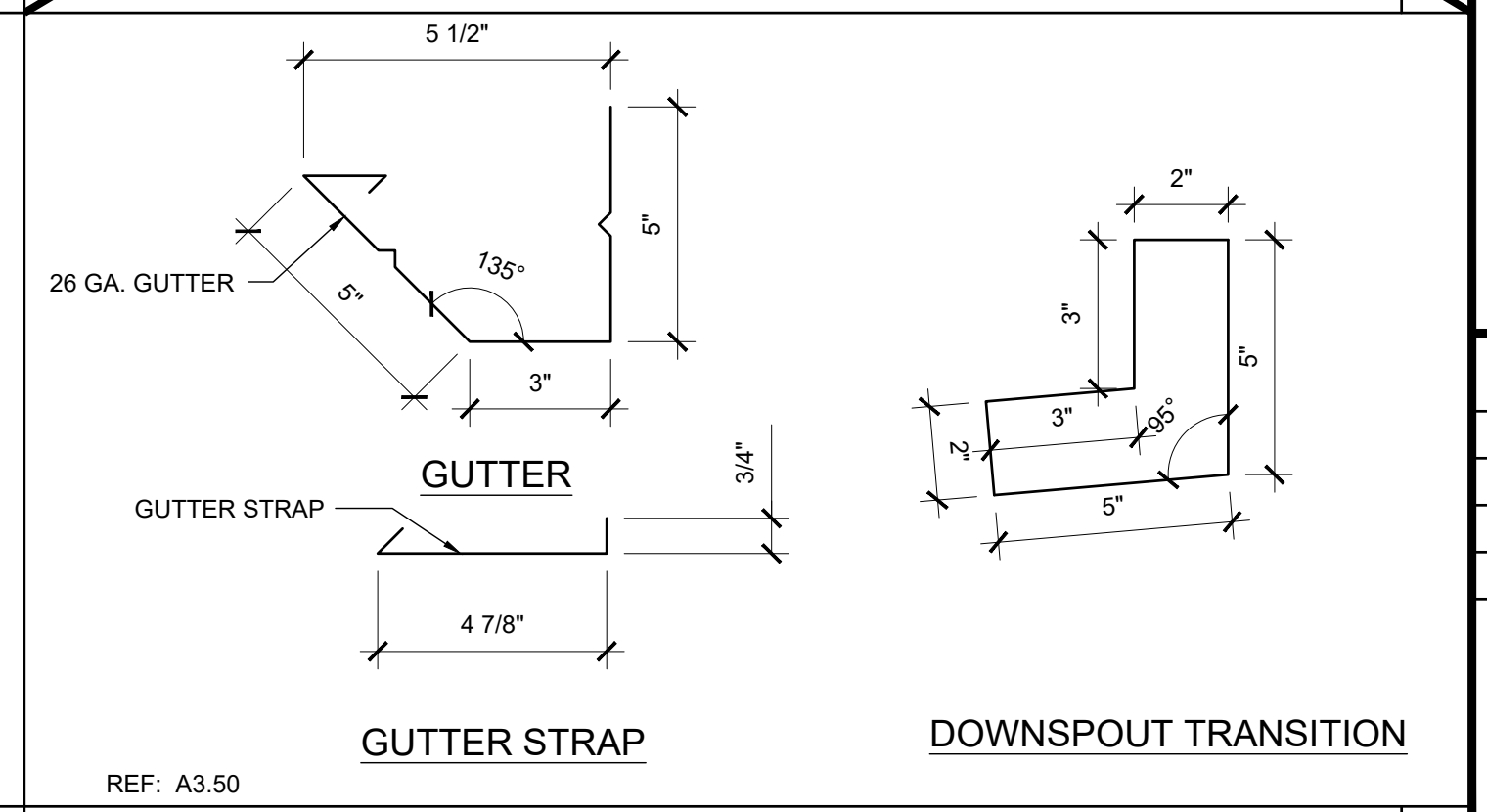
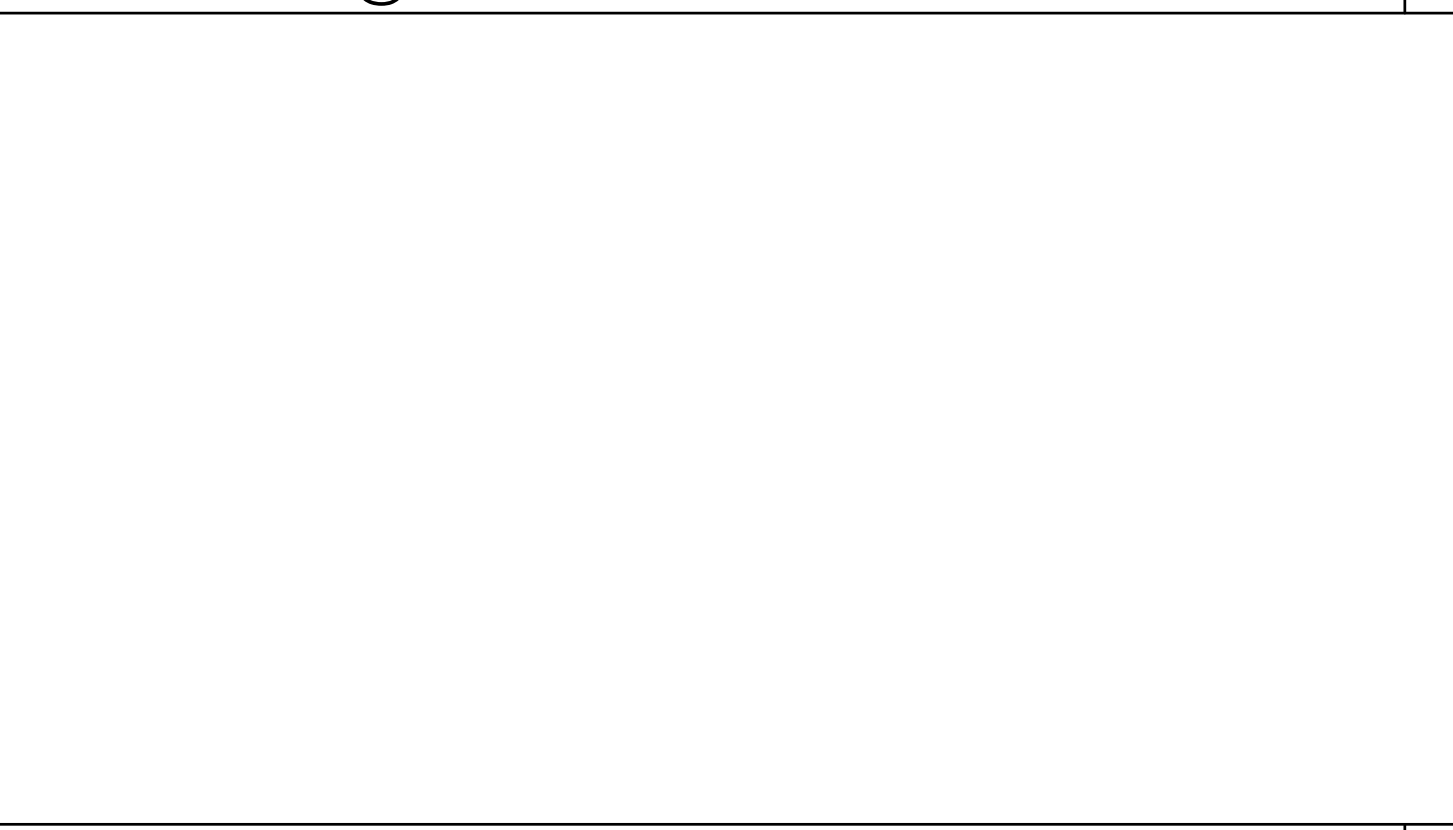
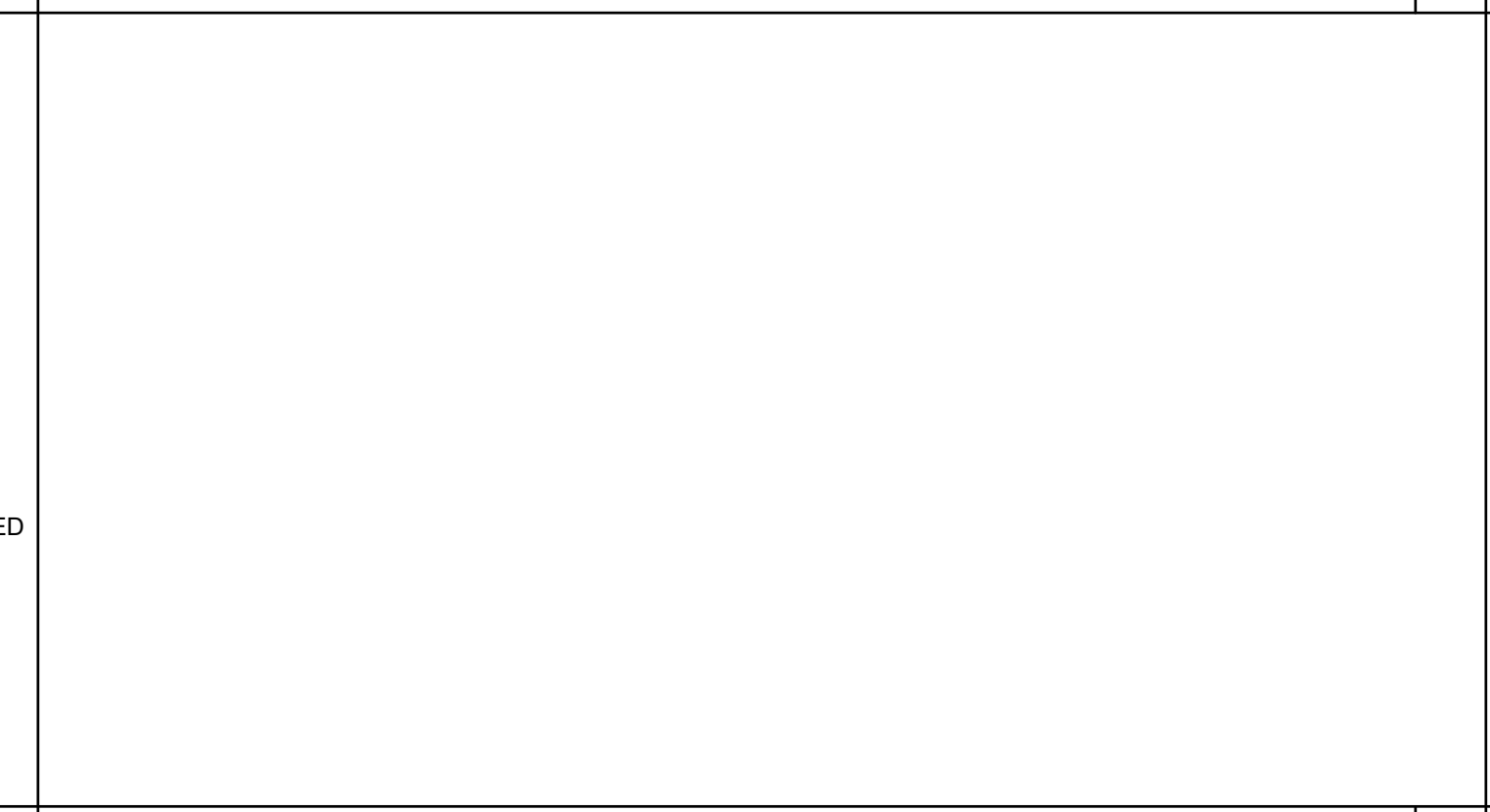
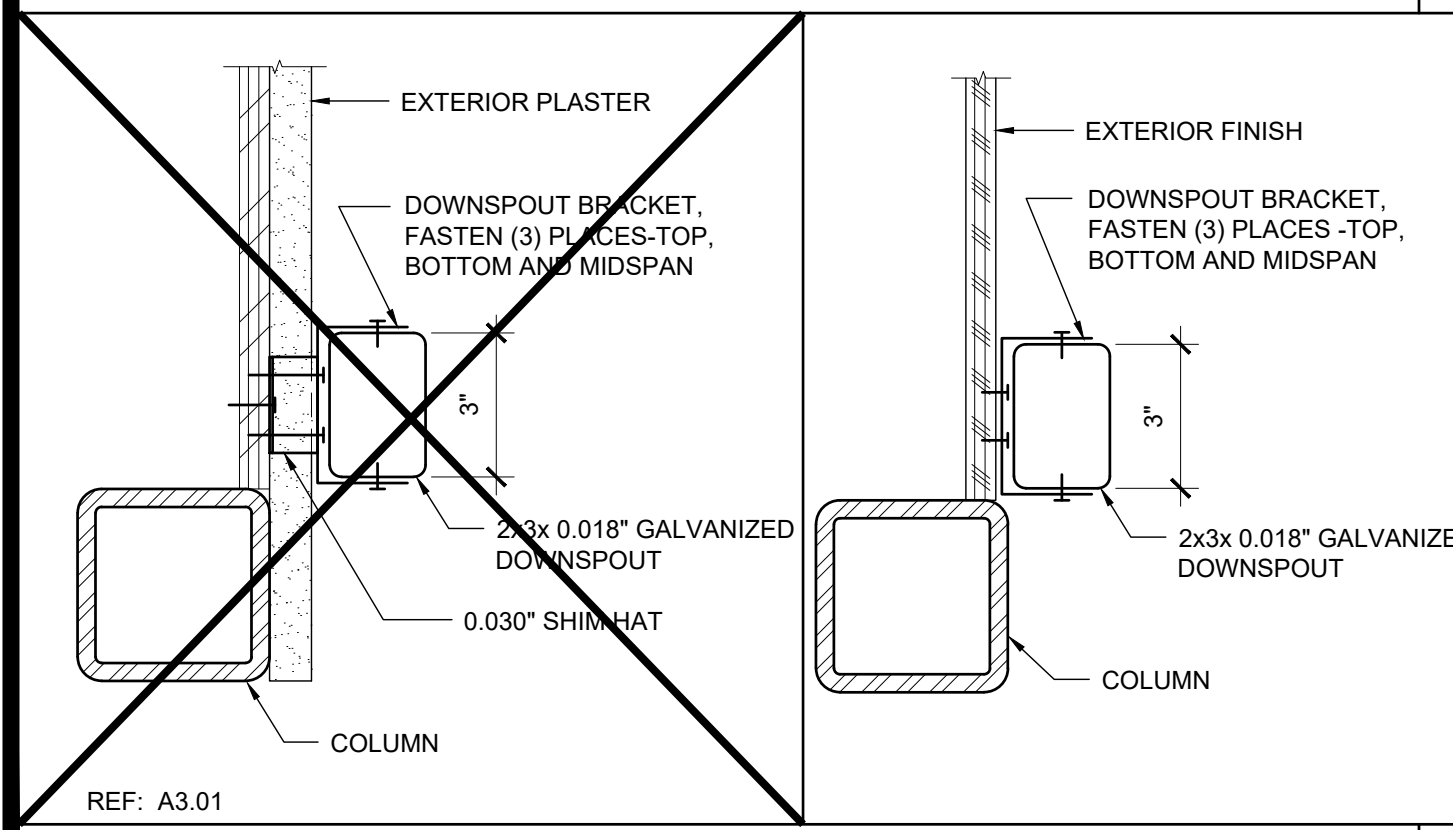
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

NOT USED 19

REF: A3.50
ROOF CLIP SCALE: 1'-0"=1'-0" 14

REF: A3.01
ROOF CLIP @ STANDING SEAM SCALE: NTS 9

REF: A3.01
ROOF FLASHING AT HIGH SIDE SCALE: 6"=1'-0" 4



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020
P.C. SHEET NUMBER
A-3.50

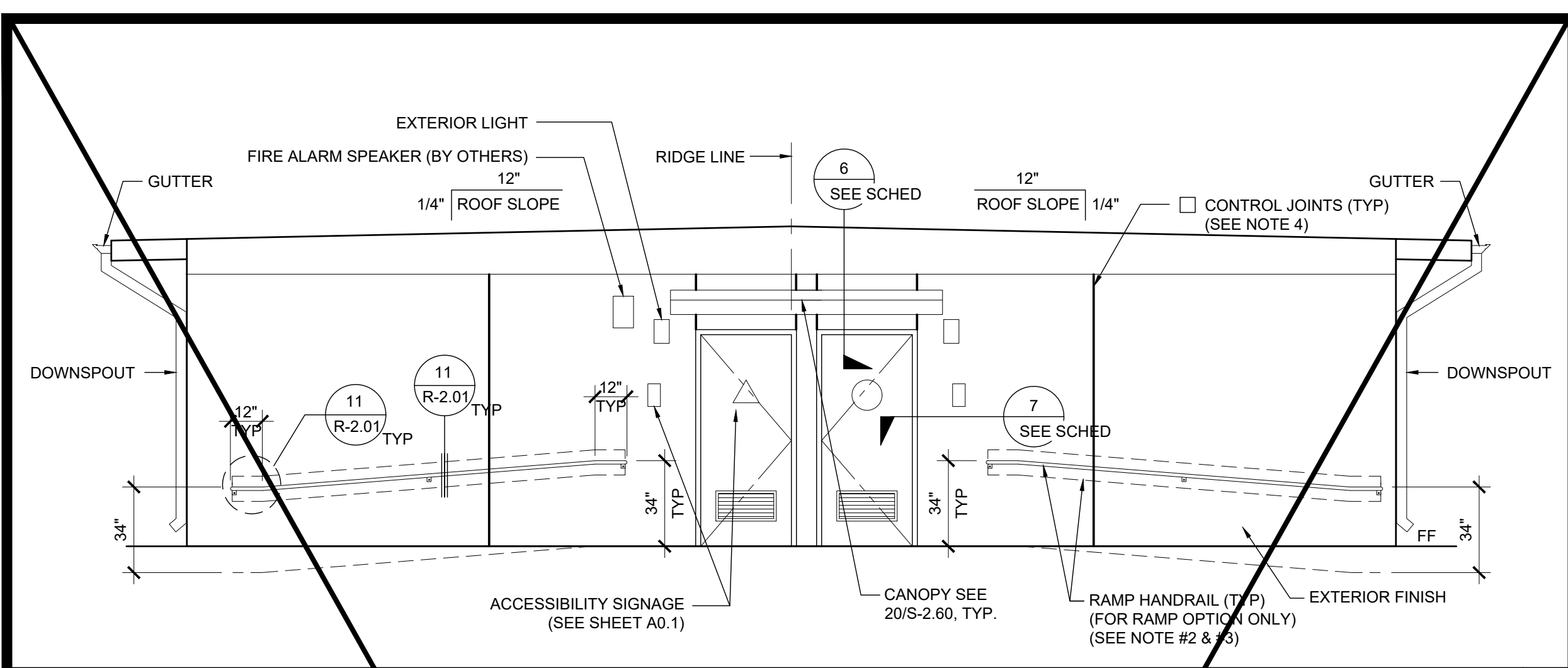
REF: A3.01
DOWNSPOUT ATTACHMENT SCALE: 3"=1'-0" 20

NOT USED 15

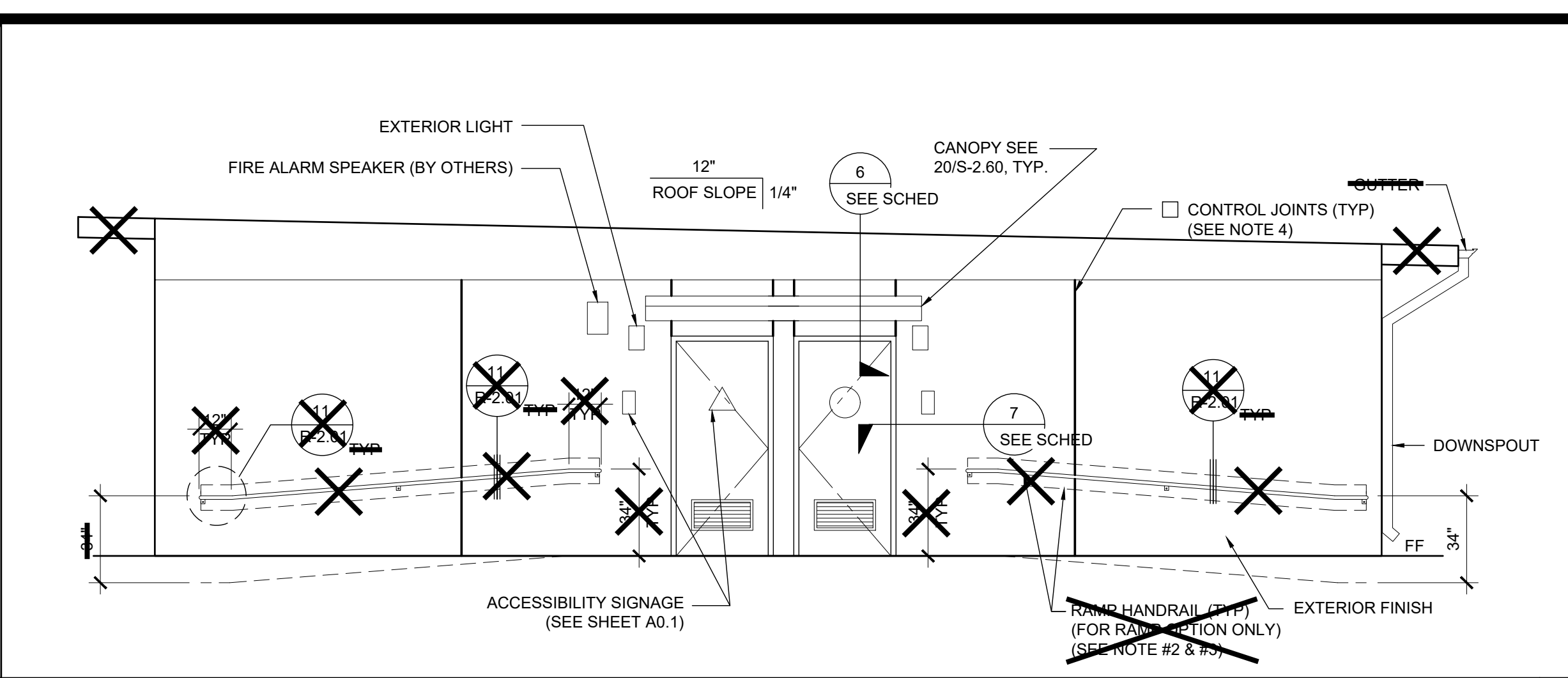
NOT USED 10

REF: A3.50
GUTTER AND STRAP & DOWNSPOUT SCALE: 3"=1'-0" 5

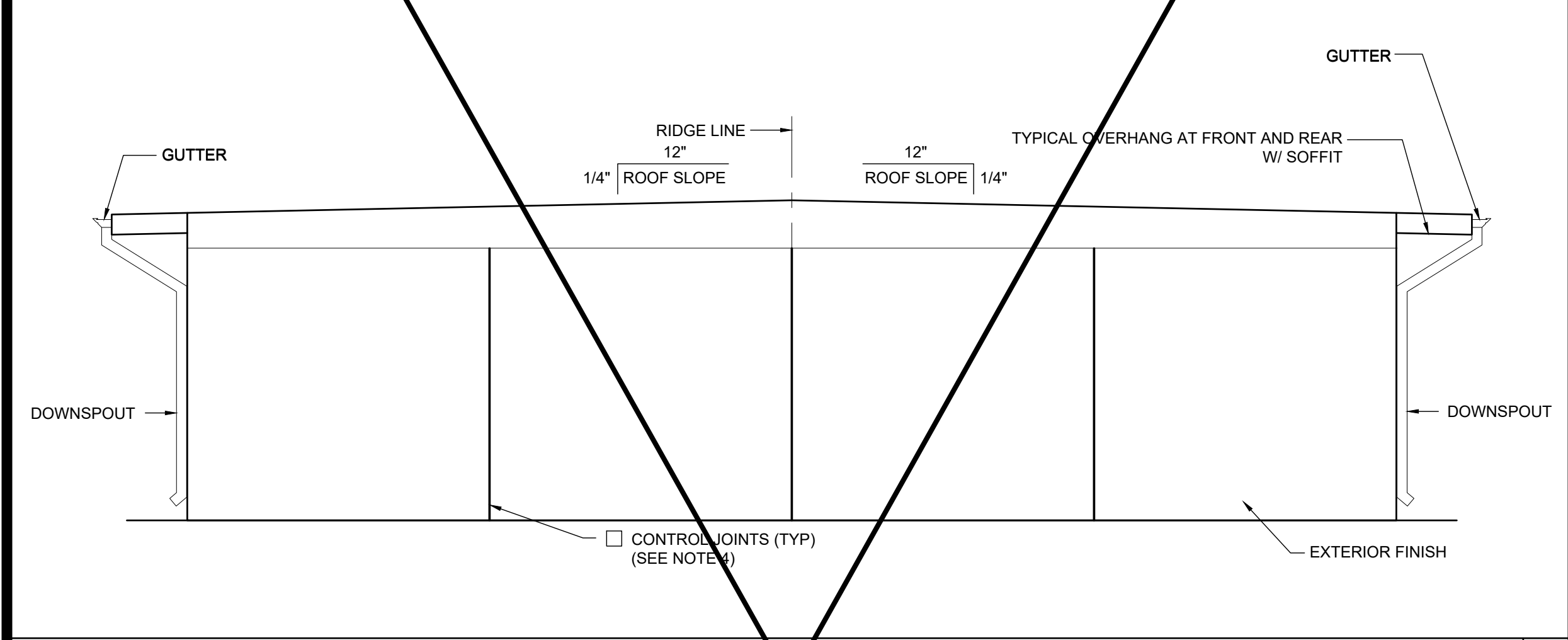
NOT USED 10



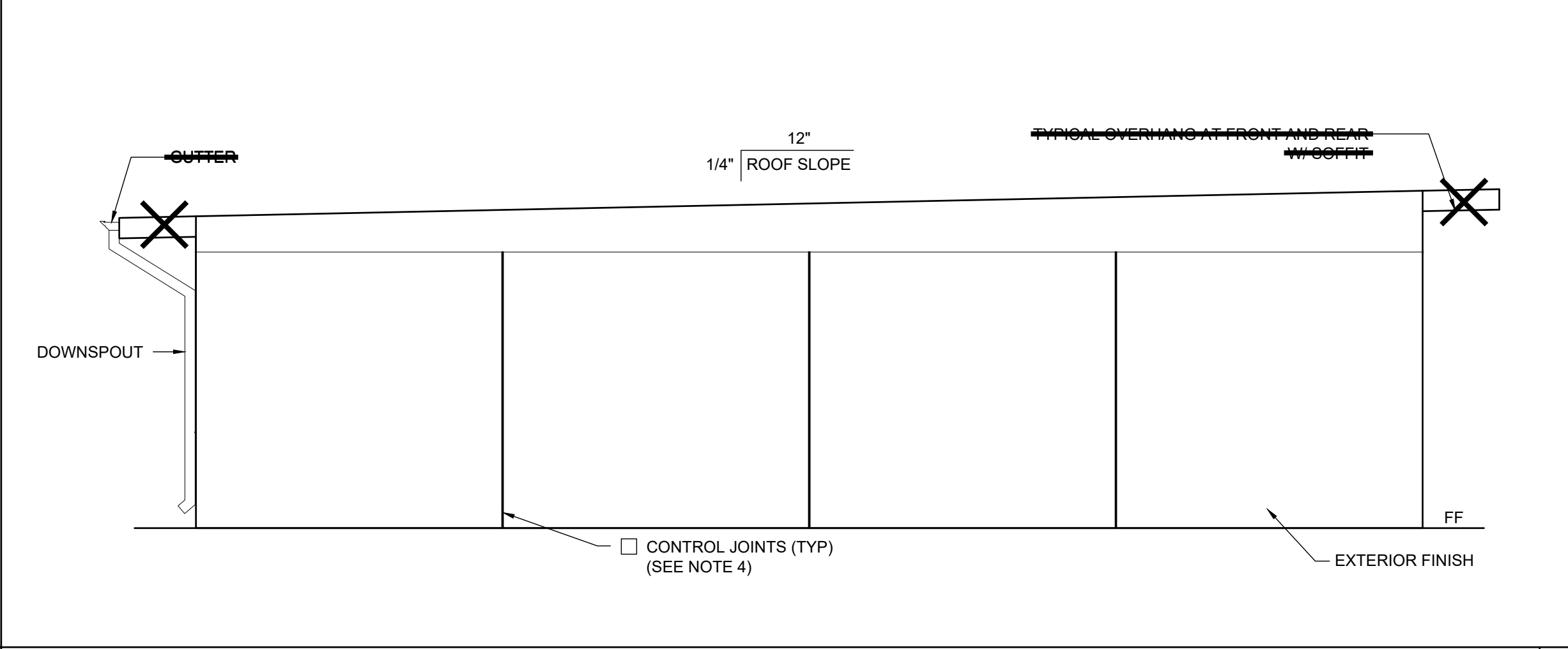
EXTERIOR ELEVATIONS - FRONT (MODEL A-1) - DUAL SLOPE SCALE: 1/4" = 1'-0" 5



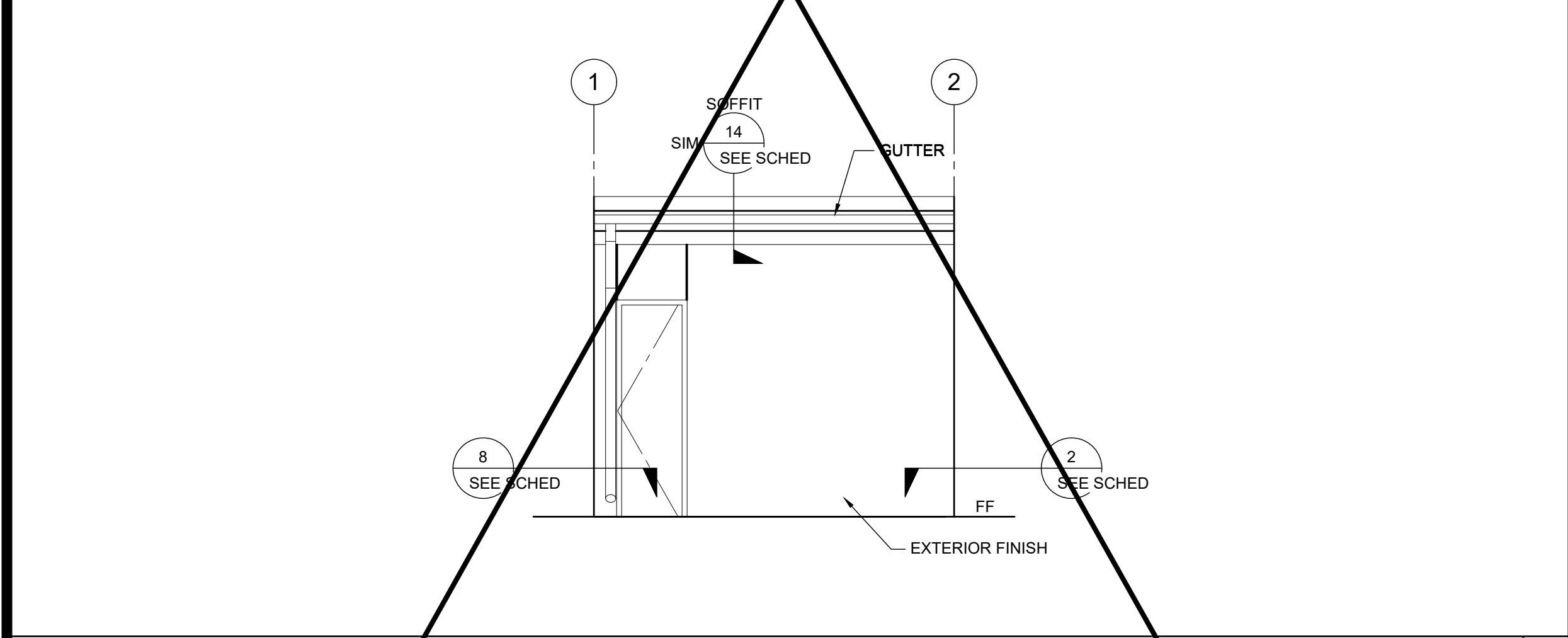
EXTERIOR ELEVATIONS - FRONT (MODEL A-1) - MONO SLOPE SCALE: 1/4" = 1'-0" 1



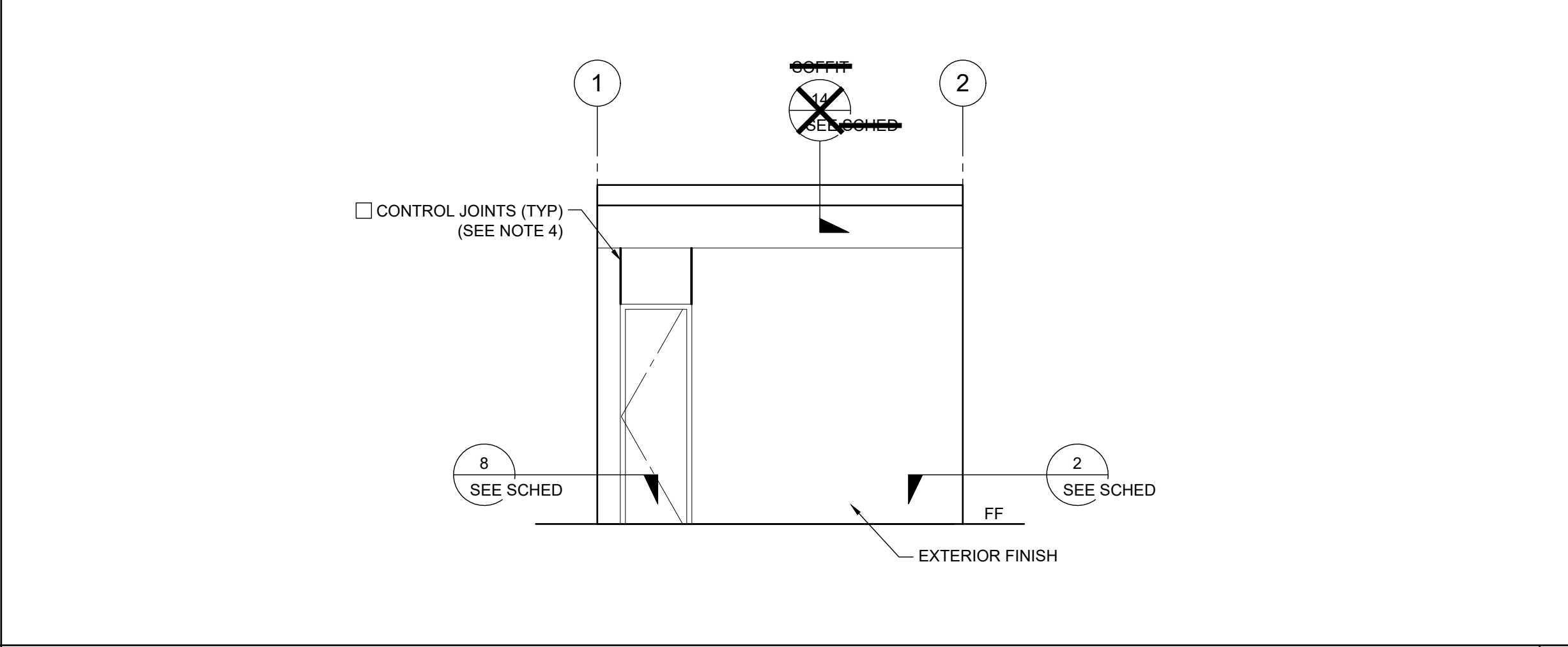
EXTERIOR ELEVATIONS - REAR (MODEL A-1) - DUAL SLOPE SCALE: 1/4" = 1'-0" 6



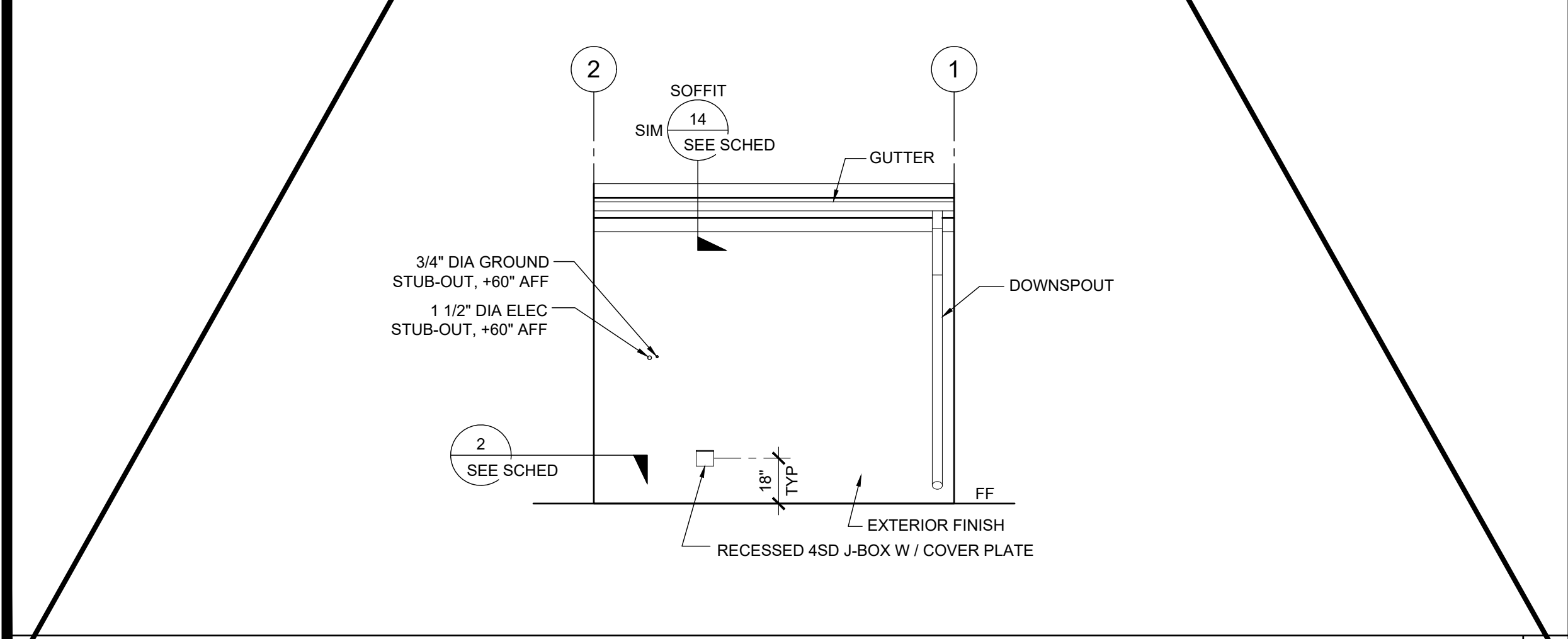
EXTERIOR ELEVATIONS - REAR (MODEL A-1) - MONO SLOPE SCALE: 1/4" = 1'-0" 2



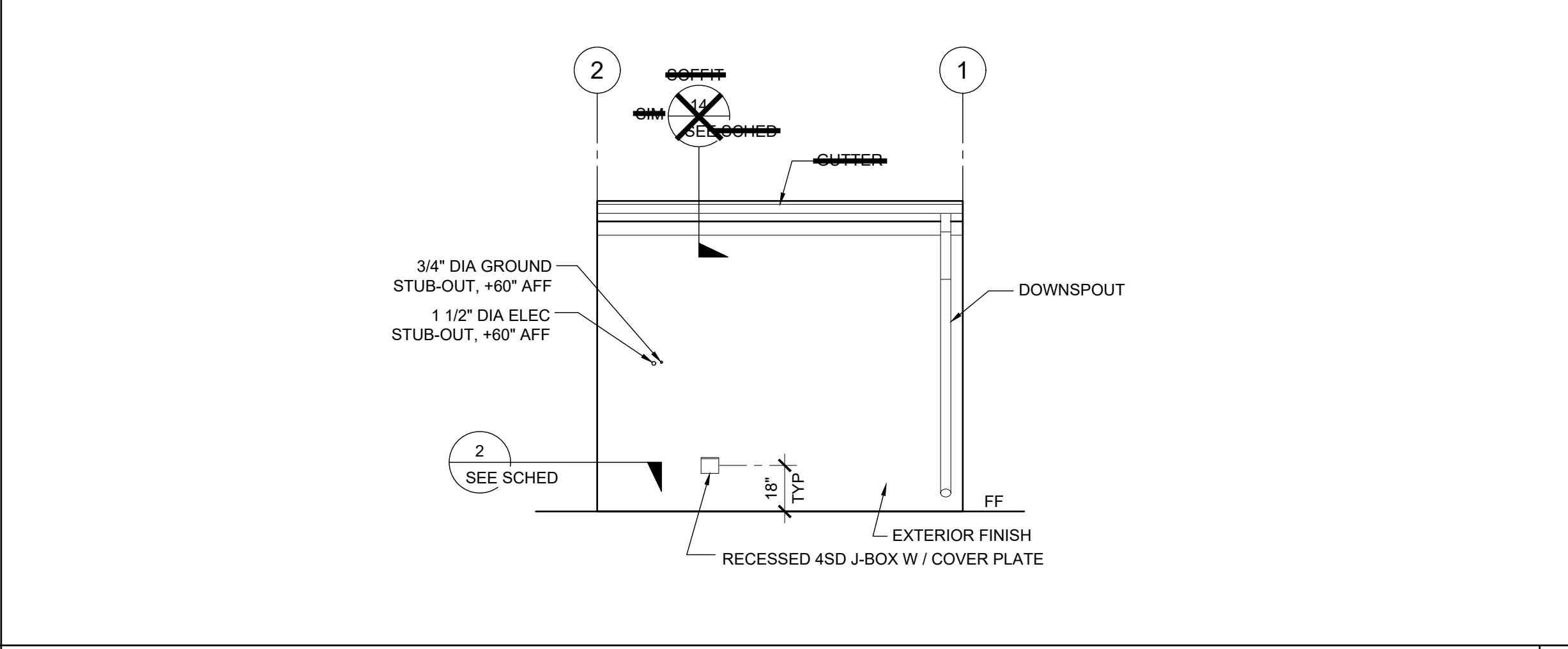
EXTERIOR ELEVATIONS - LEFT (MODEL A-1) - DUAL SLOPE SCALE: 1/4" = 1'-0" 7



EXTERIOR ELEVATIONS - LEFT (MODEL A-1) - MONO SLOPE SCALE: 1/4" = 1'-0" 3



EXTERIOR ELEVATIONS - RIGHT (MODEL A-1) - DUAL SLOPE SCALE: 1/4" = 1'-0" 8



EXTERIOR ELEVATIONS - RIGHT (MODEL A-1) - MONO SLOPE SCALE: 1/4" = 1'-0" 4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 18" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2019 CBC
6. PROVIDE AN OFFSET RAMP (PER SHEET R-1.02) WHEN A RAMP IS REQUIRED ADJACENT TO A STUCCO WALL

DETAIL SCHEDULE

FINISH:	SHEET #:
<input checked="" type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI 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 SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc

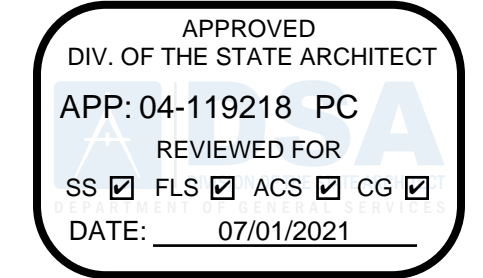
PROJECT NAME:

SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM

SHEET TITLE:
EXTERIOR ELEVATION
12' X 40' - MODEL A-1
MONO / DUAL SLOPE

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

P.C. SHEET NUMBER
A-4.01

DETAIL SCHEDULE	
FINISH:	SHEET #:
<input checked="" type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61
FIRE RATED DETAIL SCHEDULE	
FINISH:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63
FLOOR OPTION	
<input checked="" type="checkbox"/> WOOD FLOOR	
<input type="checkbox"/> CONCRETE FLOOR	

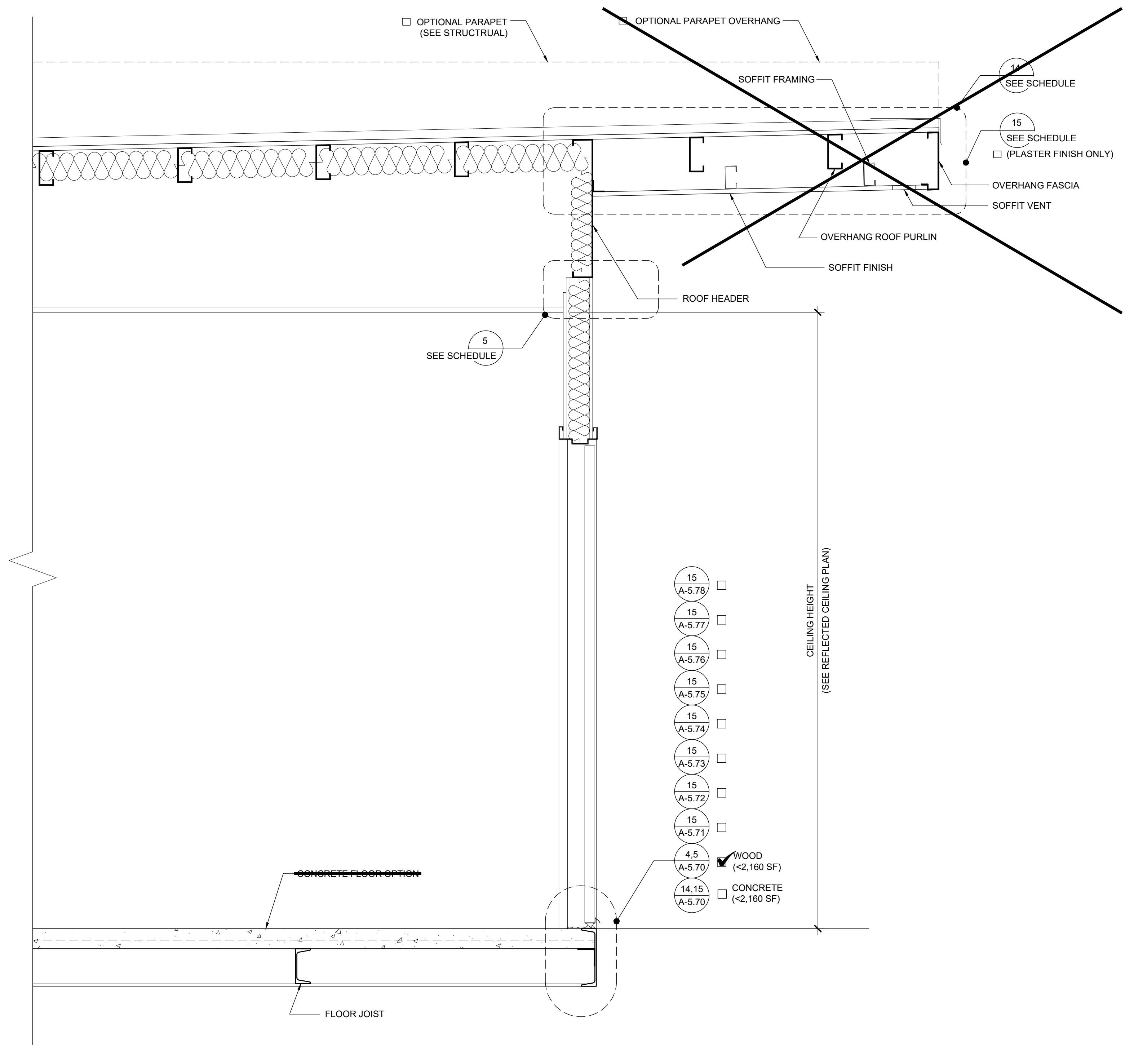
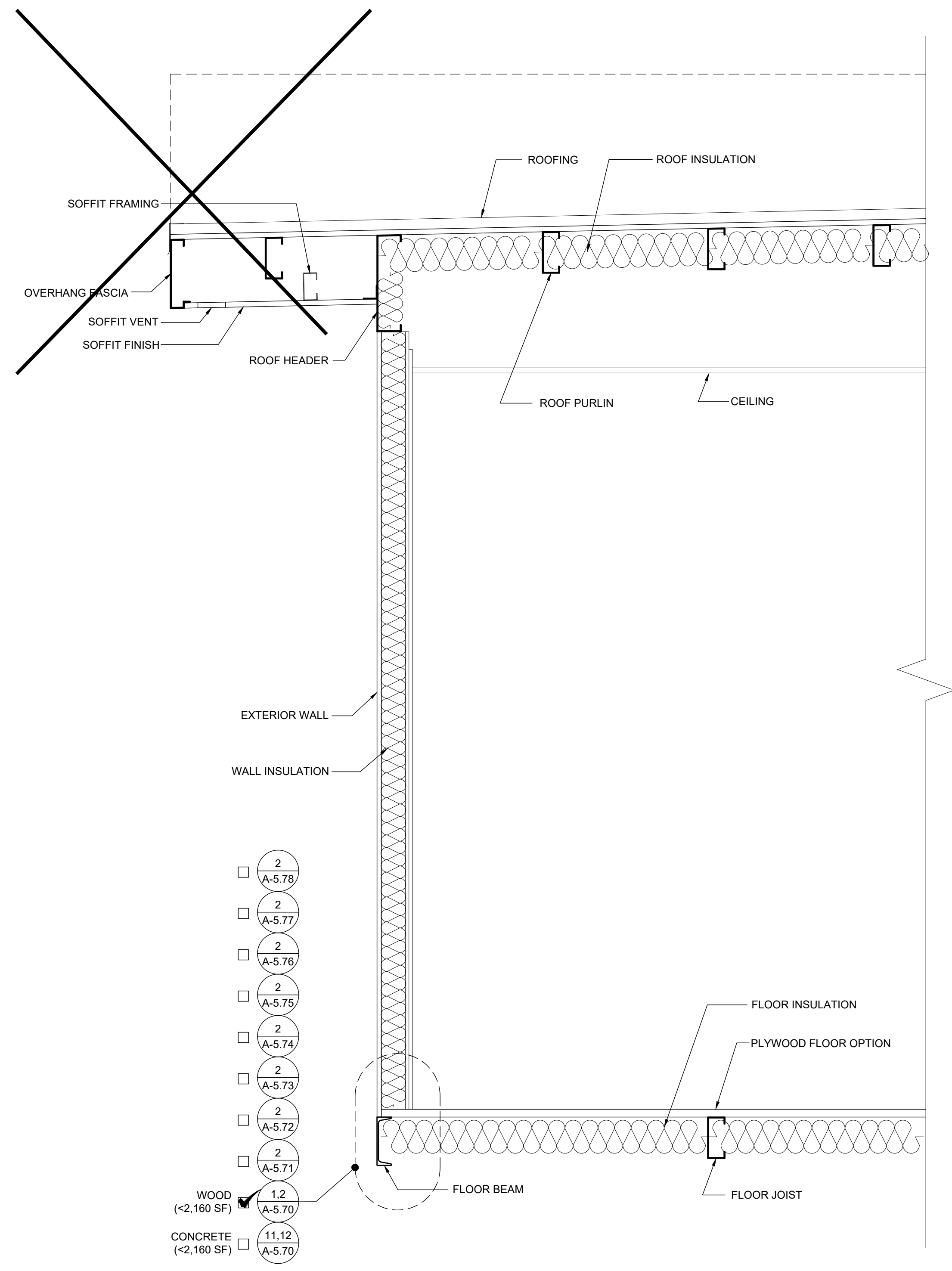
NOTES

MOISTURE PROTECTION AND CAULKING:
 GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
 MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
 APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD. COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**



SHEET TITLE:
**CROSS SECTION
 MONO SLOPE**

REVISIONS

1	
2	
3	
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PRE-CHECK (PC) DOCUMENT
 CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-119218 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
 Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

P.C. SHEET NUMBER

A-5.01

BUILDING SECTION

SCALE: 1" = 1' - 0" 1

DETAIL SCHEDULE	
FINISH:	SHEET #:
<input checked="" type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61
FIRE RATED DETAIL SCHEDULE	
FINISH:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63
FLOOR OPTION	
<input checked="" type="checkbox"/> WOOD FLOOR	
<input type="checkbox"/> CONCRETE FLOOR	

NOTES

MOISTURE PROTECTION AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD. COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.

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PROJECT NAME:

**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
CROSS SECTION

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.



SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

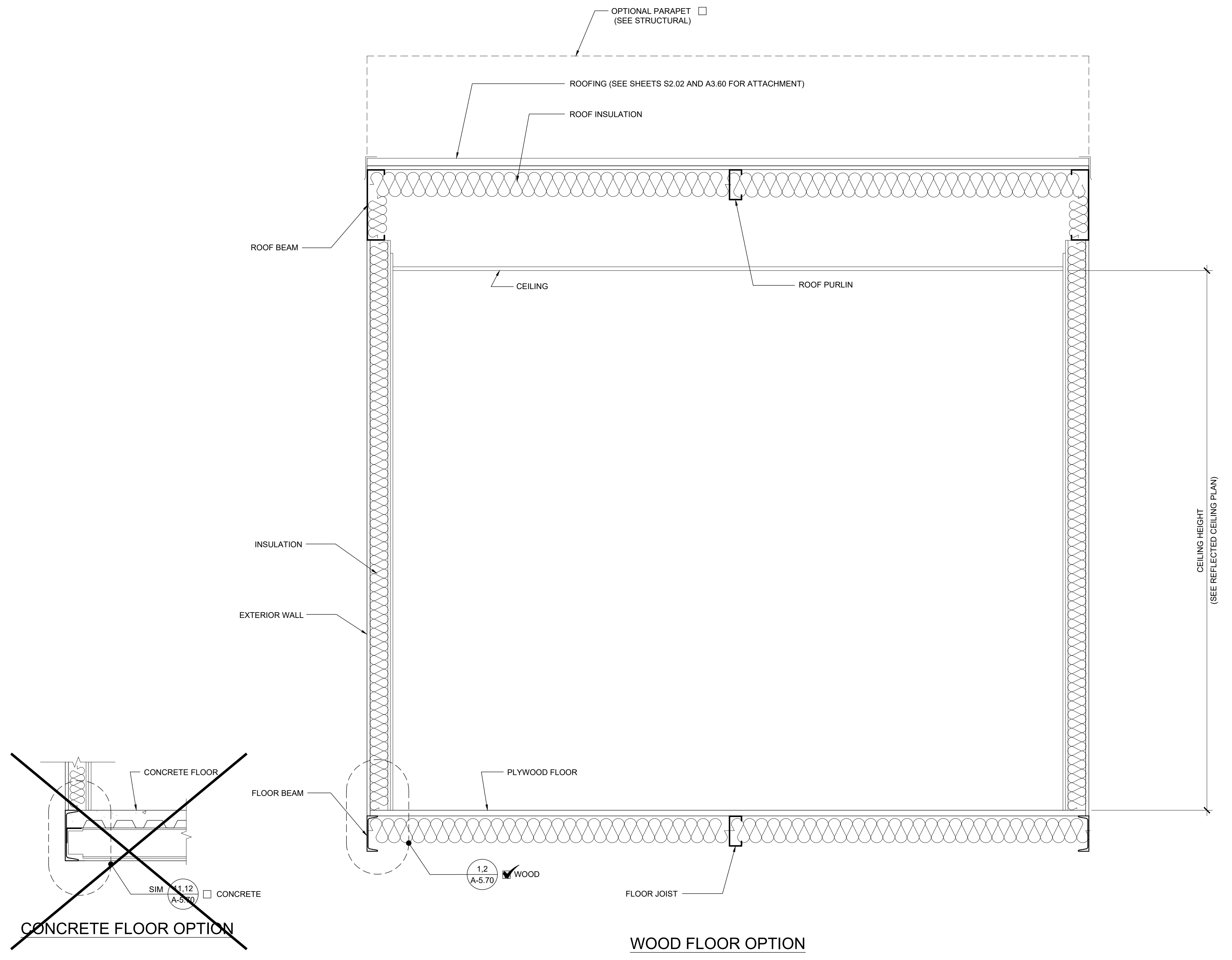
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

P.C. SHEET NUMBER
A-5.05



BUILDING SECTION

SCALE: 1" = 1' - 0" 1

NOT USED	16	NOT USED	11	EXTERIOR DOOR HEADER SCALE : 3"=1'-0"	6	NOT USED	1
NOT USED	17	NOT USED	12	EXTERIOR DOOR JAMB SCALE : 3"=1'-0"	7	COLUMN AT CORNER SCALE : 3"=1'-0"	2
NOT USED	18	NOT USED	13	COLUMN AT CORNER SCALE : 3"=1'-0"	8	NOT USED	3
NOT USED	19	SOFFIT AT ROOF HEADER WITH VENT SCALE : 3" = 1'-0"	14	INTERIOR DOOR JAMB SCALE : 3"=1'-0"	9	NOT USED	4
NOT USED	20	NOT USED	15	INTERIOR DOOR JAMBS SCALE : 3"=1'-0"	10	TOP PLATE AT ROOF HEADER SCALE : 3" = 1'-0"	5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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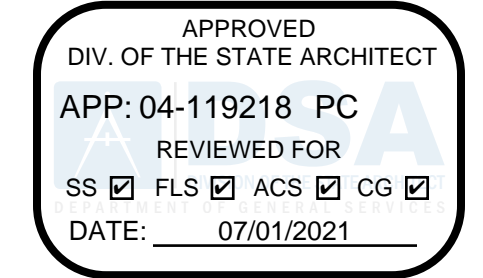
PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
WOOD STUD - SHTG**

REVISIONS

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PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

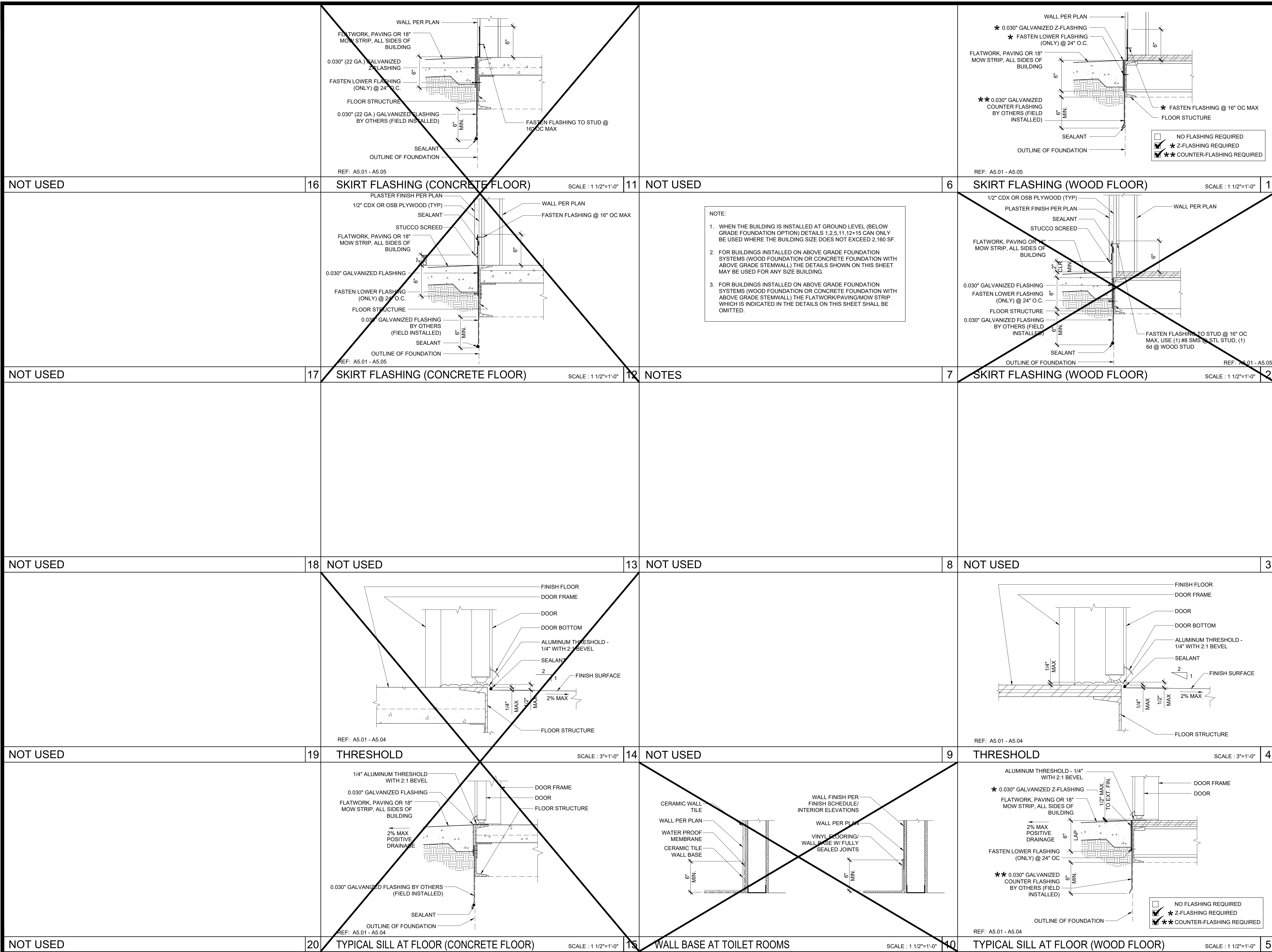
Building for the Next Generation

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	06-22-2020
P.C. SHEET NUMBER	A-5.50



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
**ARCHITECTURAL
 DETAILS
 FLOOR**

REVISIONS

PRE-CHECK (PC) DOCUMENT
 CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION
 FOR CONSTRUCTION IS REQUIRED

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-119218 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
 Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

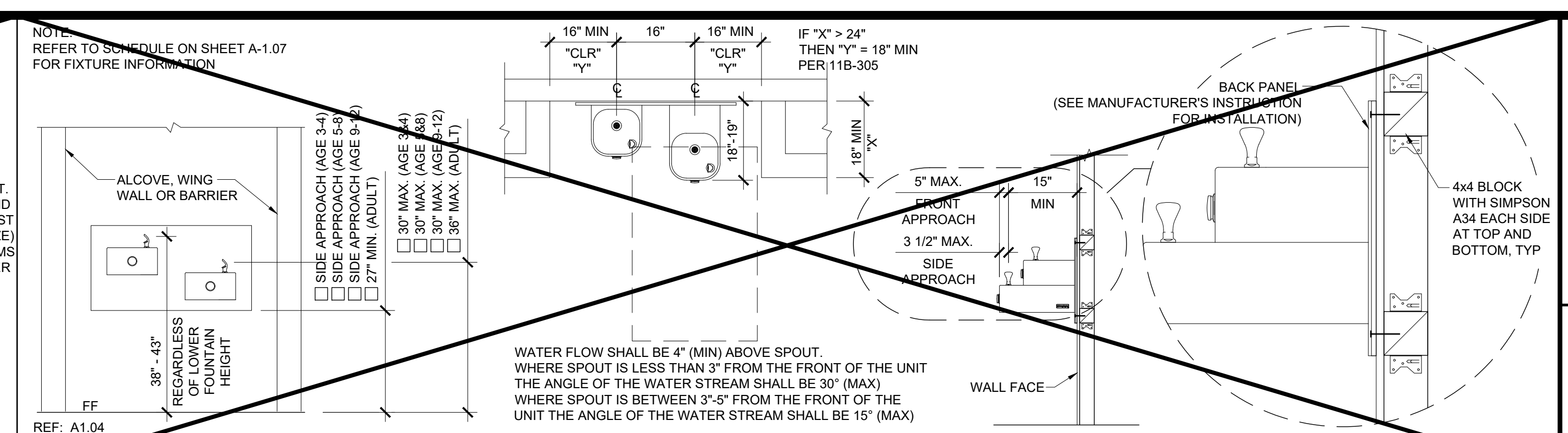
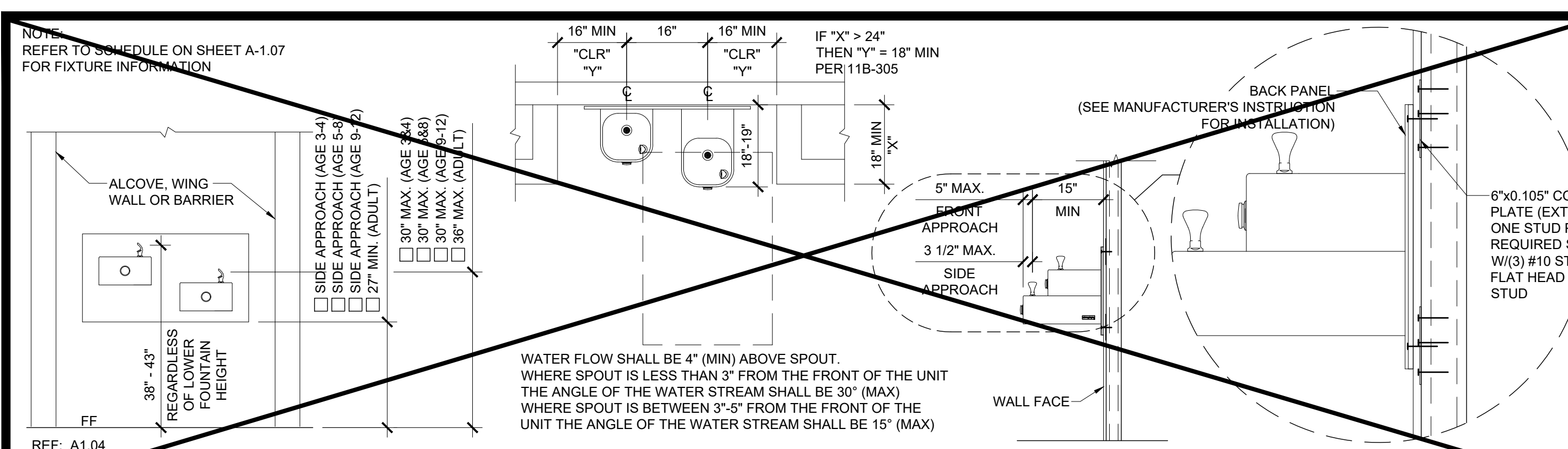
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
 JOHN W. STARBUCK
 ARCHITECTURAL
 STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
 12' x 40' PC

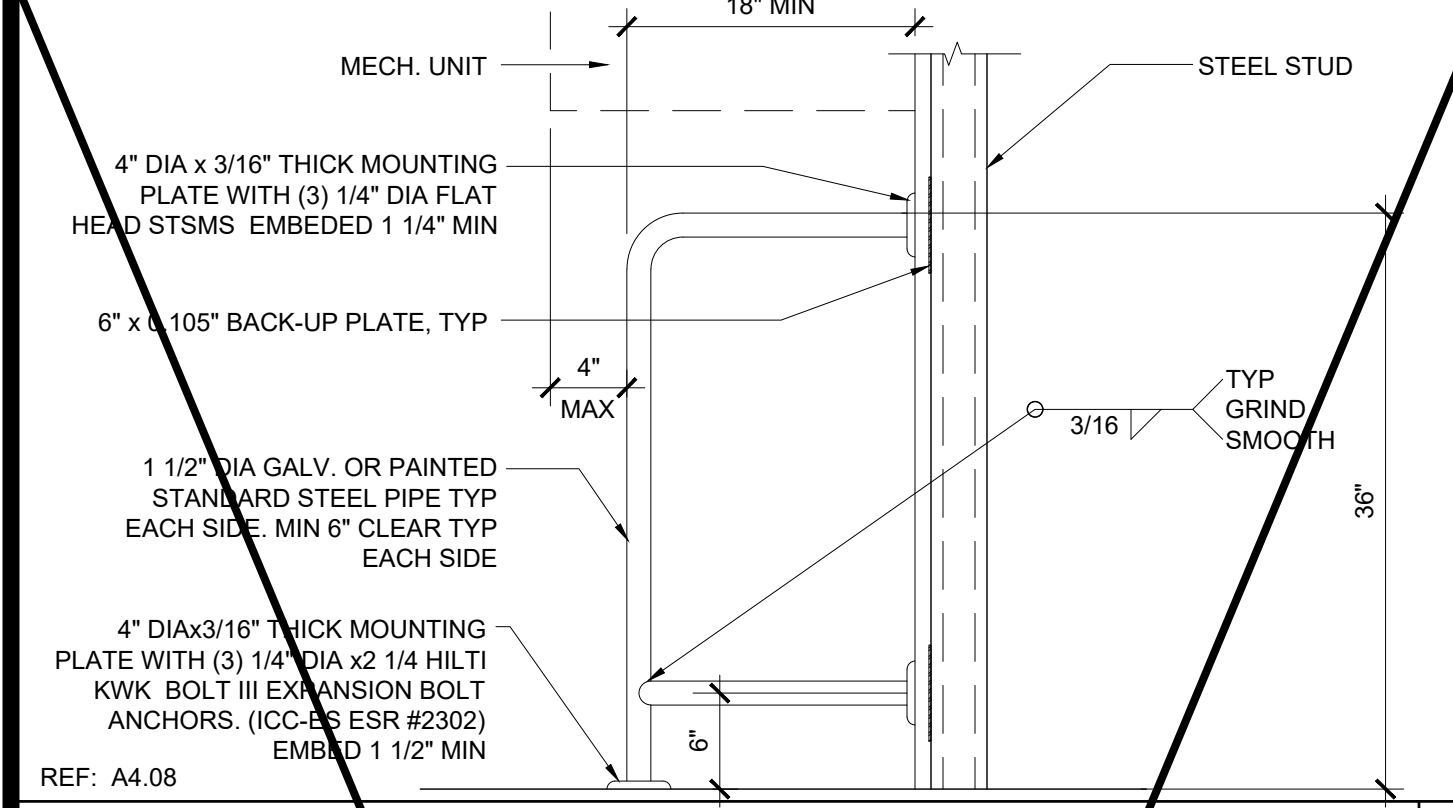
PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

P.C. SHEET NUMBER
A-5.70



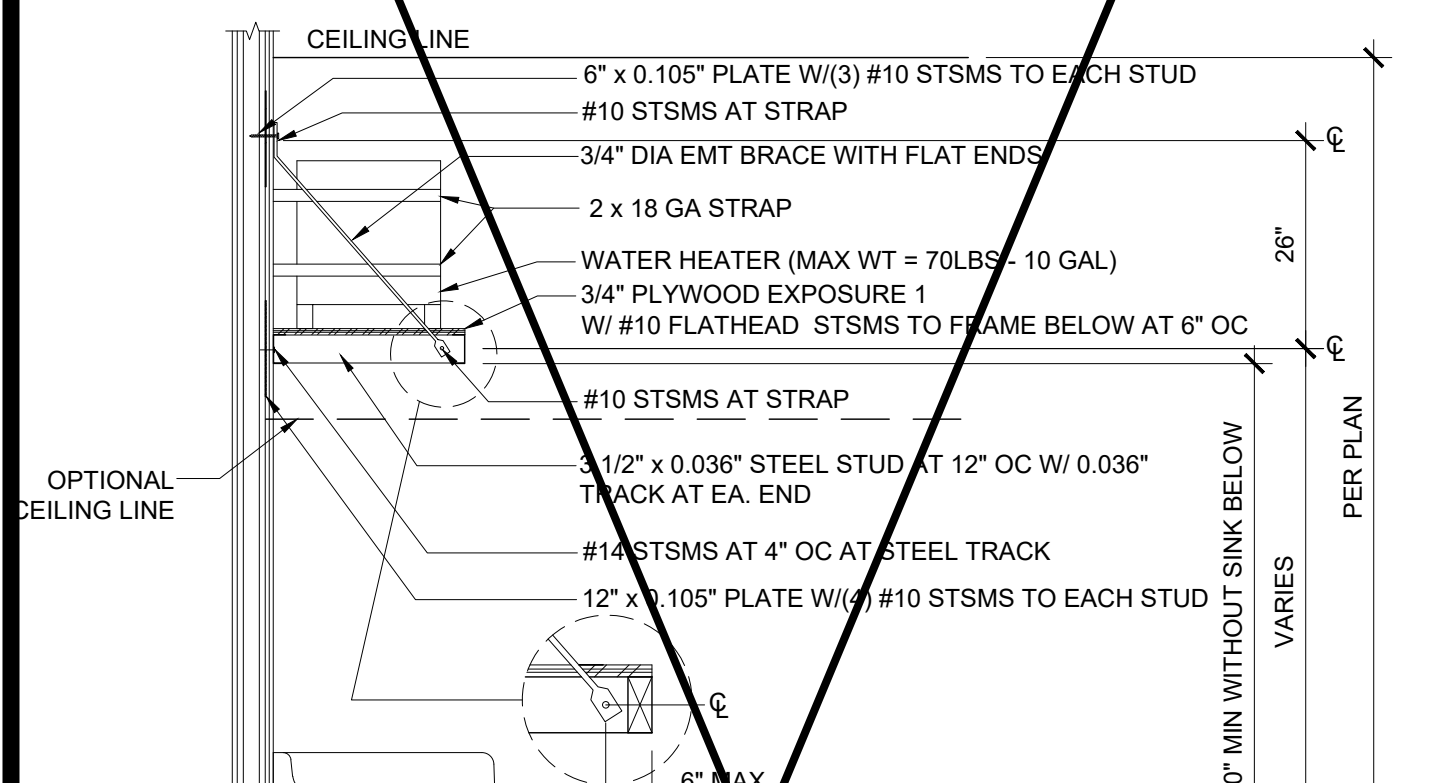
DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD SCALE: 1/2" = 1'-0" 11

DRINKING FOUNTAIN BLOCKING DETAIL AT WOOD STUD SCALE: 1/2" = 1'-0" 1



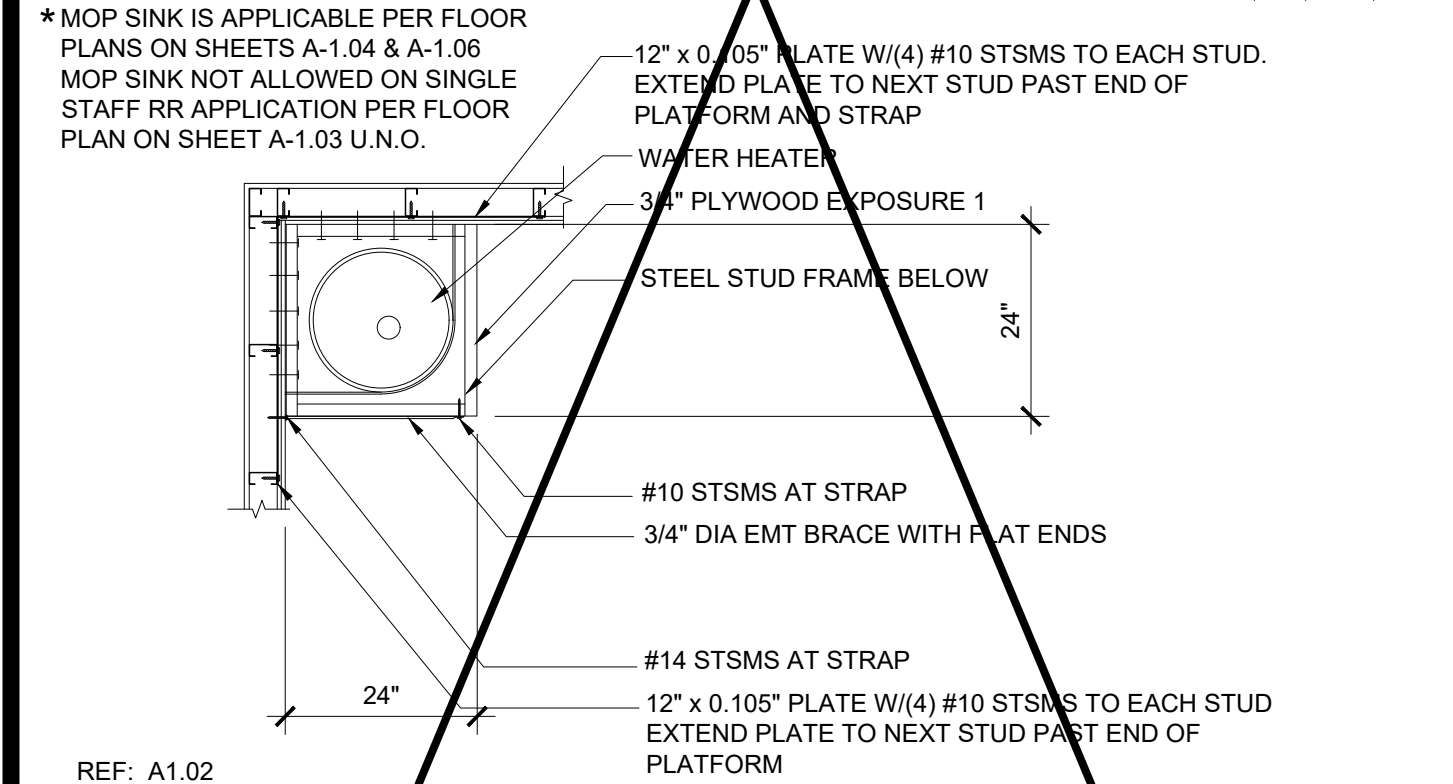
HVAC BARRIER - OPT. D.F. BARRIER AT STEEL STUD SCALE: 1" = 1'-0" 17

HVAC BARRIER - OPT. D.F. BARRIER AT WOOD STUD SCALE: 1" = 1'-0" 2



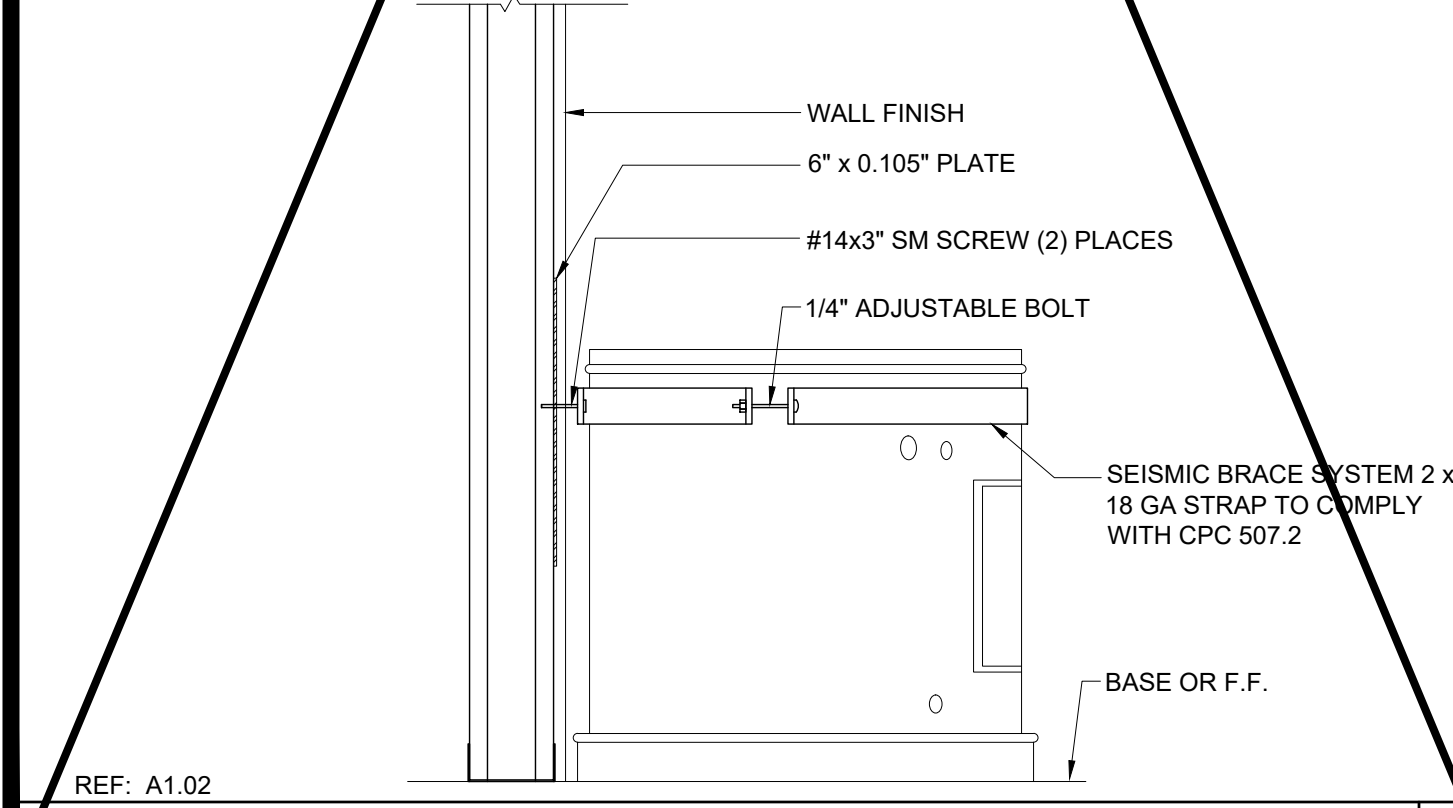
NOT USED 13

NOT USED 8



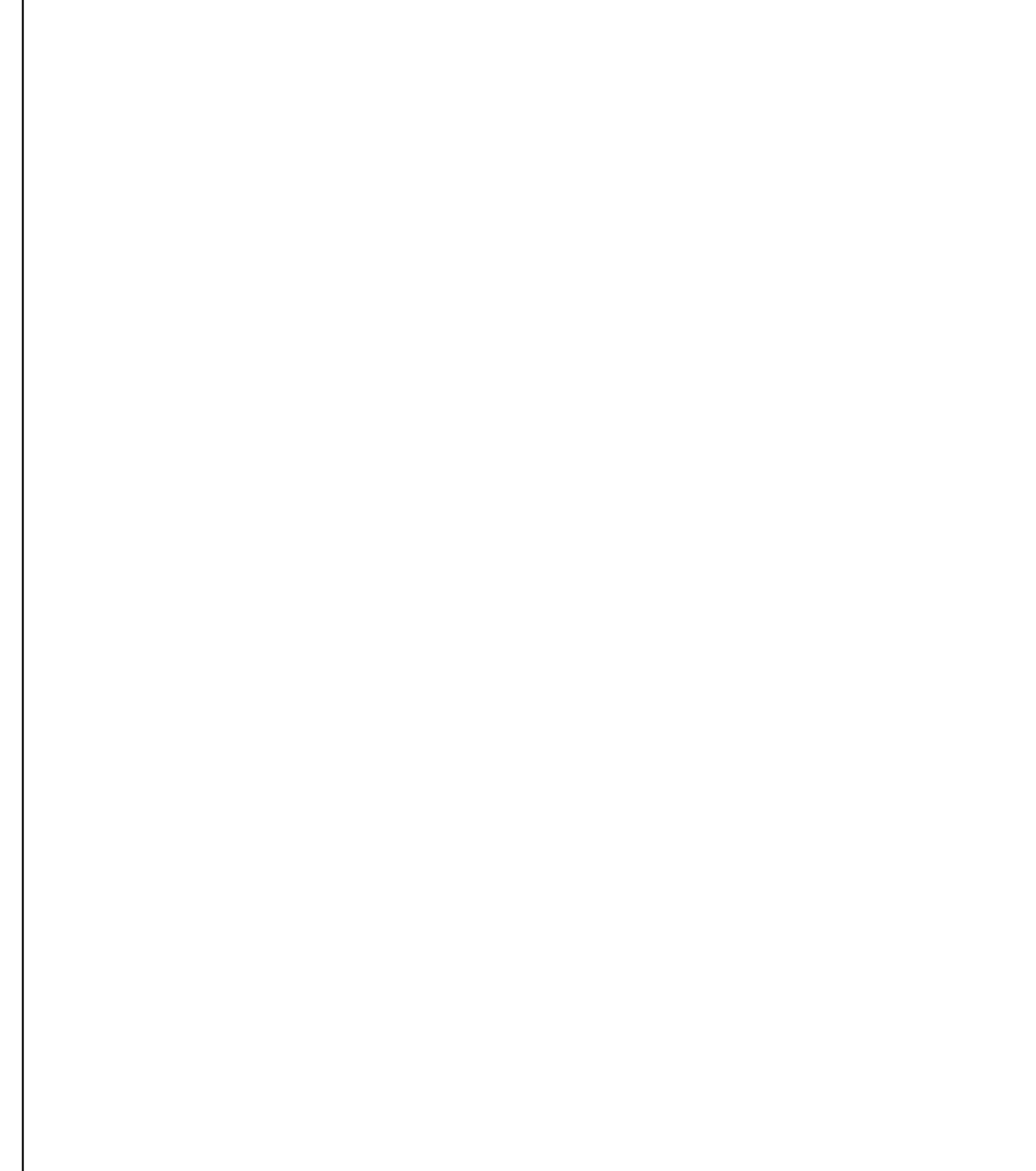
WATER HEATER SHELF AT STEEL STUD SCALE: 1/2" = 1'-0" 19

WATER HEATER SHELF AT WOOD STUD SCALE: 1/2" = 1'-0" 4

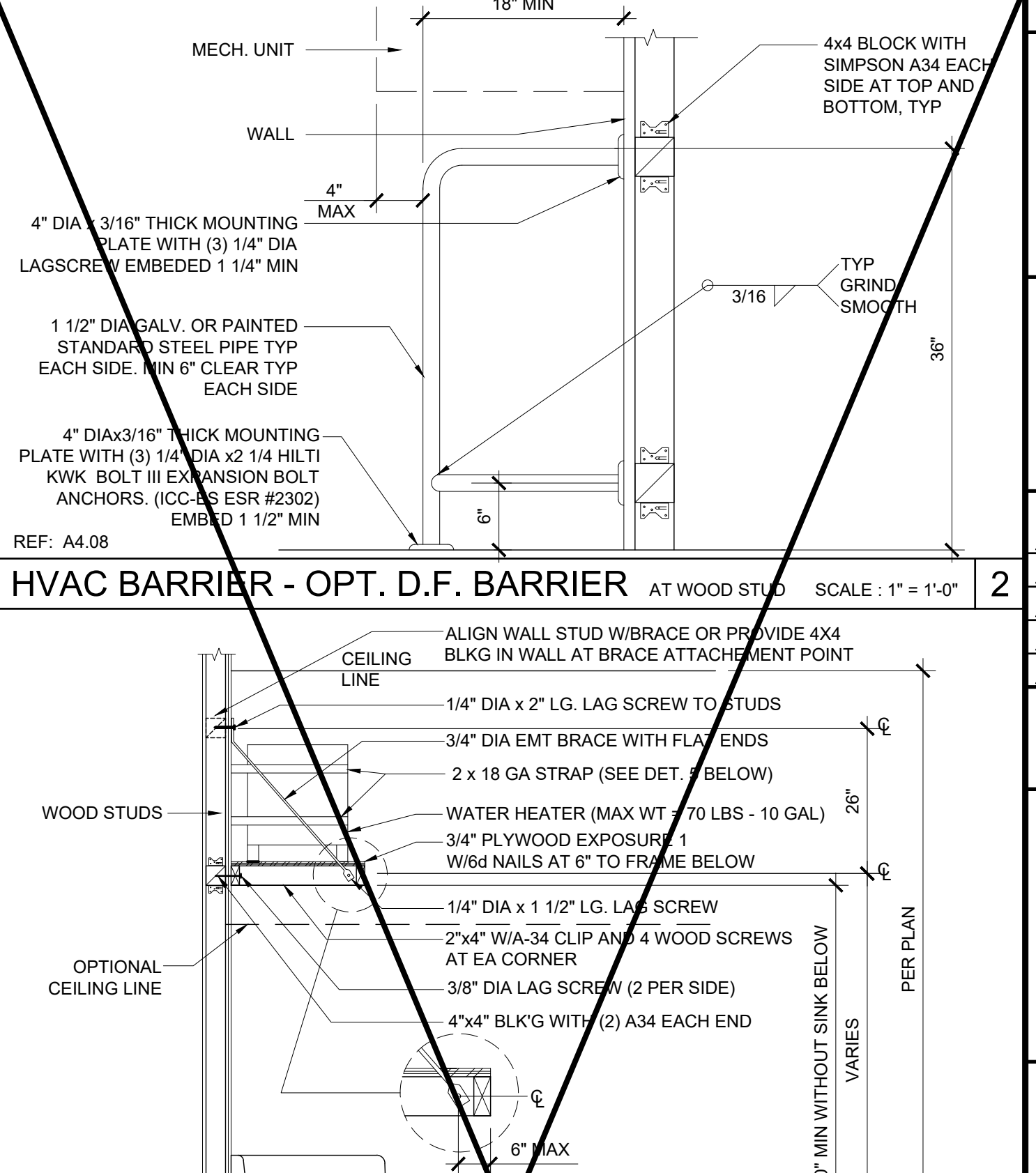


WATER HEATER BRACING AT STEEL STUD SCALE: 1 1/2" = 1'-0" 20

WATER HEATER BRACING AT WOOD STUD SCALE: 1 1/2" = 1'-0" 5



PIPE PENETRATION THROUGH ROOF SCALE: 3" = 1'-0" 10



WATER HEATER BRACING AT WOOD STUD SCALE: 1 1/2" = 1'-0" 5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

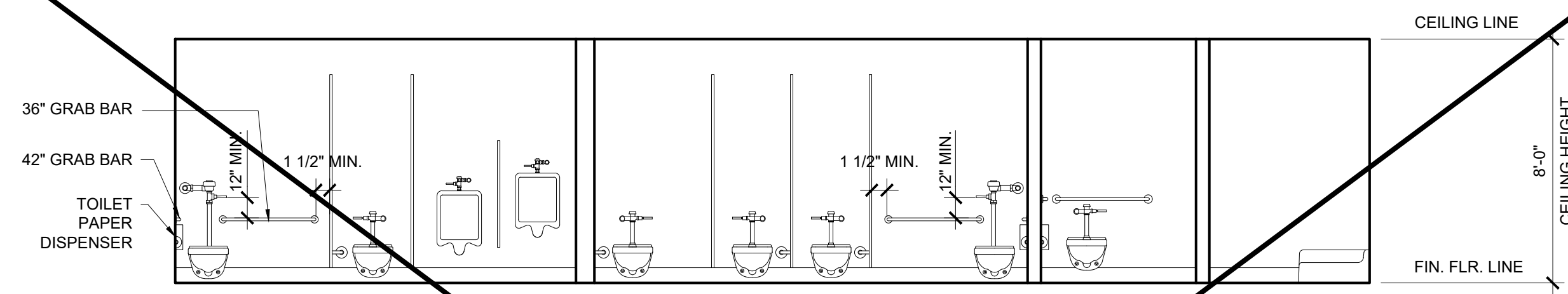
PC STATE AGENCY APPROVAL
SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

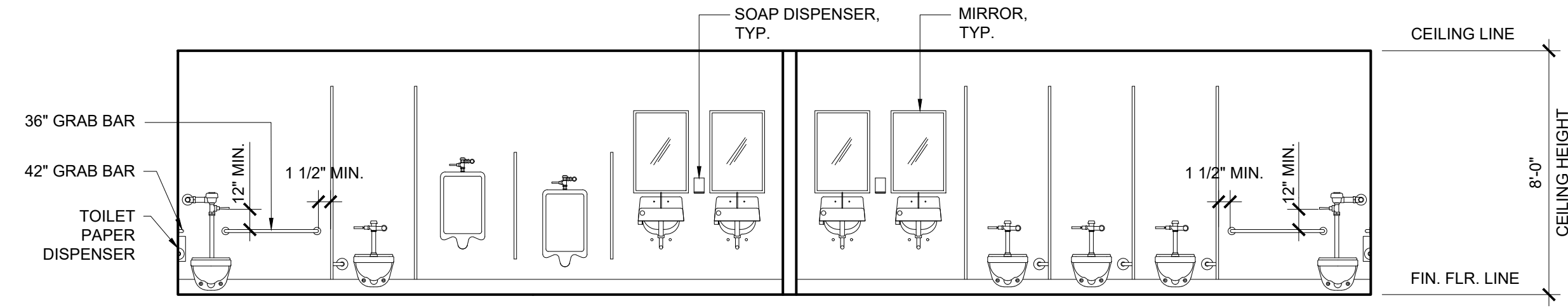
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO.
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020
P.C. SHEET NUMBER
A-5.81



NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.



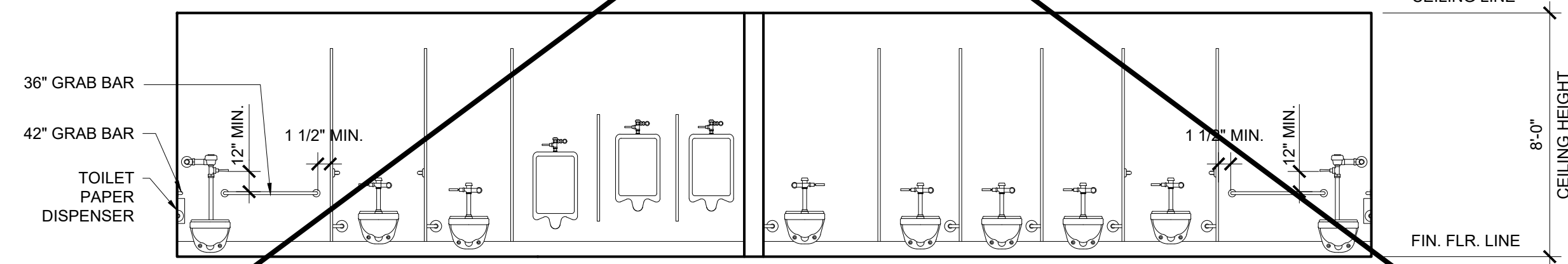
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION C-2 (AGE 5-8 & 9-12)

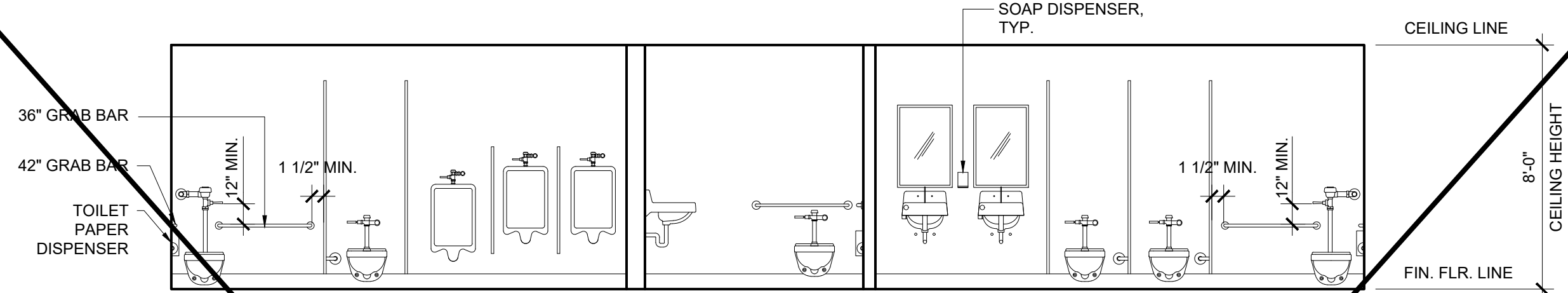
SCALE: 1/4" = 1'-0" 5

PLUMBING FIXTURE ELEVATION - OPTION A-1 AND A-2 (AGE 5-8 & 9-12)

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



NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.



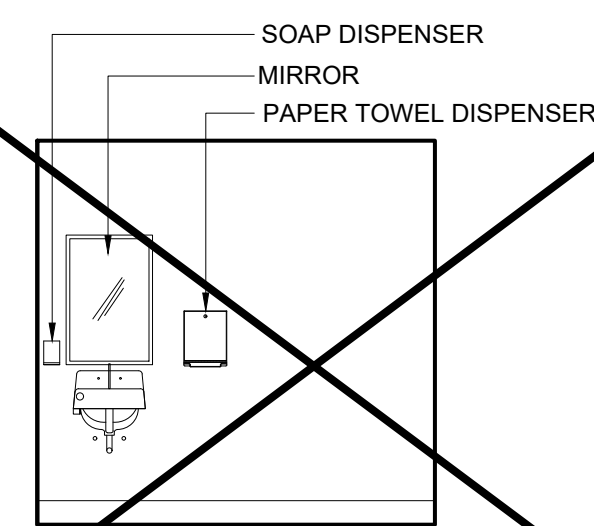
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION D-1 (AGE 5-8 & 9-12)

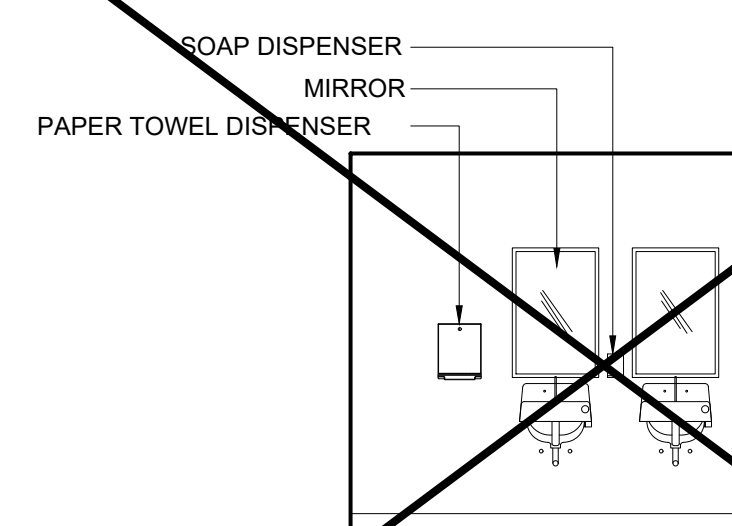
SCALE: 1/4" = 1'-0" 6

PLUMBING FIXTURE ELEVATION - OPTION B-1 (AGE 5-8 & 9-12)

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



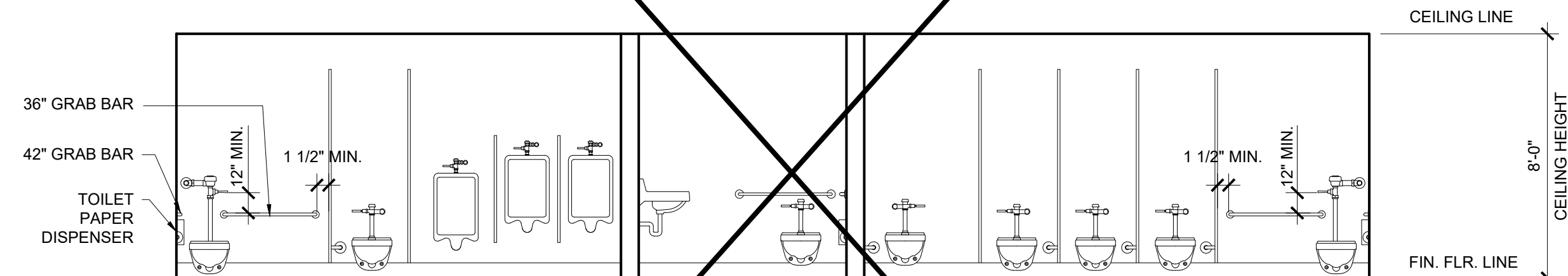
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.



NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.

FIXTURE ELEVATION (TYP) - OPTION C-1 & C-2 SCALE: 1/4" = 1'-0" 9

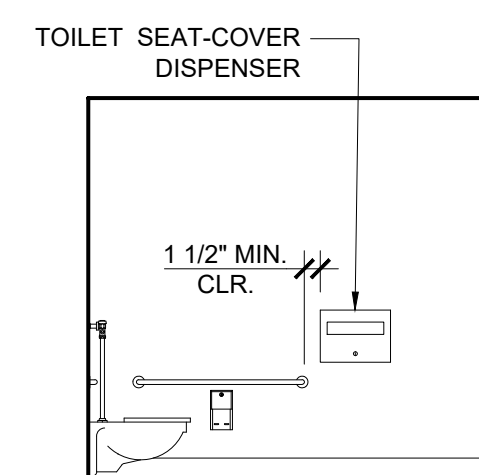
FIXTURE ELEVATION (TYP)-OPTION B-1, B-2, C-2 & D-1 SCALE: 1/4" = 1'-0" 7



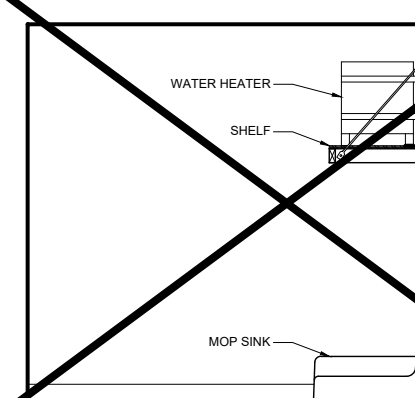
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION B-2 (AGE 5-8 & 9-12)

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



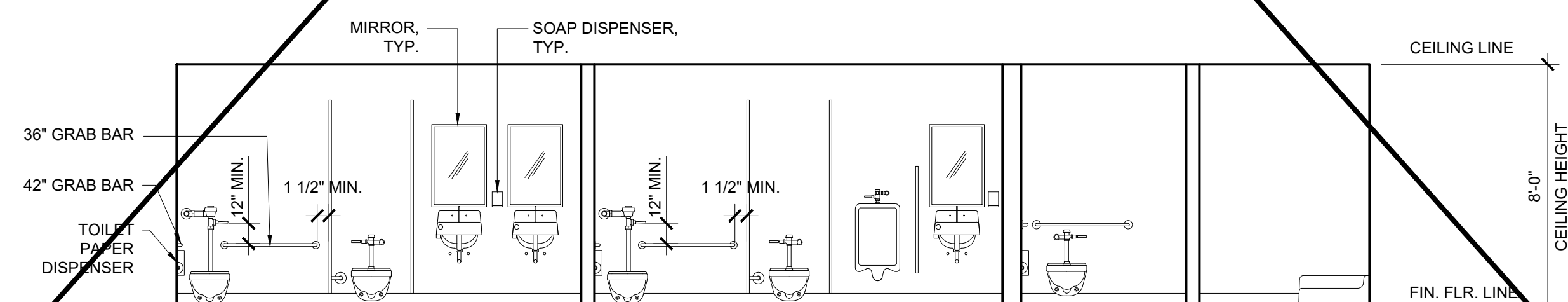
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.



NOTE:
SEE SHEET A-5.81 FOR SHELF DETAILS.

TOILET SEAT COVER DISPENSER ELEVATION SCALE: 1/4" = 1'-0" 10

MOP SINK + W/H ELEVATION-OPTION B-1, B-2, C-1, C-2 SCALE: 1/4" = 1'-0" 8



NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE
DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION C-1 (AGE 5-8 & 9-12)

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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:

**INTERIOR ELEVATIONS
WALL MOUNTED
AGE 5-8 & 9-12**

REVISIONS

- 1
- 2
- 3
- 4
- 5

PRE-CHECK (PC) DOCUMENT
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APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.



Building for the Next Generation

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:

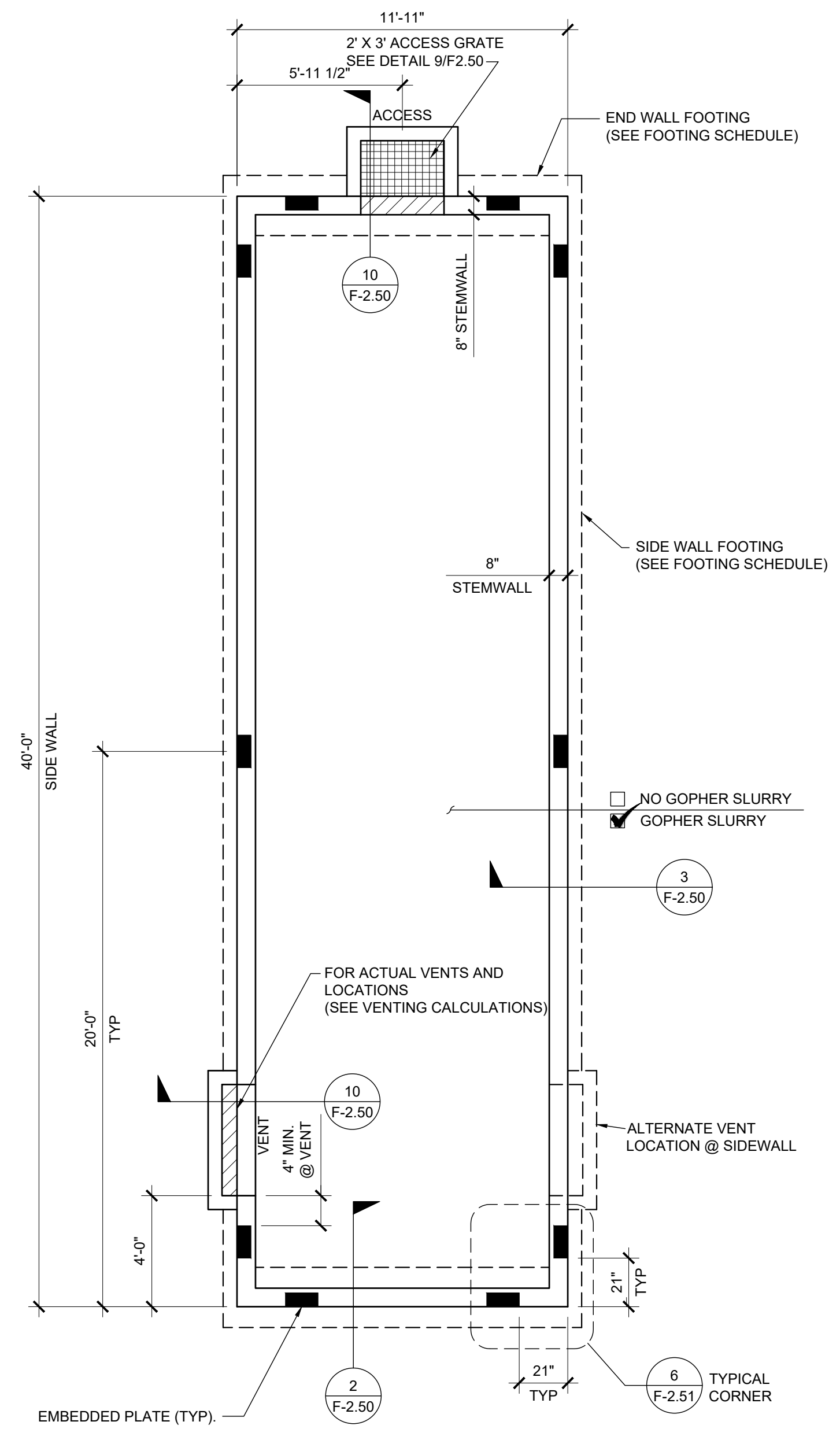
DRAWN BY:

SCALE: AS NOTED

DATE: 06-22-2020

P.C. SHEET NUMBER

A-6.03



SYMBOLS LEGEND
 ■ 3/4"Ø x 6" EMBEDDED PLATE LOCATION FOR ALL FLOOR LOAD OPTIONS

- NOTES**
- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
 - 8'-0" MAXIMUM VENT SIZE AT SIDE WALLS
 4'-0" MAXIMUM VENT SIZE AT END WALLS
 3'-0" MINIMUM DISTANCE FROM EDGE OF VENT TO STEMWALL CORNER
 2'-0" MINIMUM DISTANCE BETWEEN VENT EDGES
 - CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
 THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1202.4.1.2.
 MATERIALS:
 GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHYLENE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAB.
 INSTALLATION RECOMMENDATIONS:
 OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; EXTEND VAPOR RETARDER A MINIMUM OF 6 INCHES UP THE STEM WALL (MORE IS BETTER); SEAL TO ALL PIERS AND OTHER PENETRATIONS.
 - SOIL BEARING PRESSURE OF 1500 PSF USED FOR DESIGN.
 - PROFESSIONAL SOILS REPORT: IF A SOILS REPORT IS REQUIRED BY DSA ON THIS BUILDING(S) AND THE RECOMMENDATIONS CAUSE AN INCREASE IN THE COST OF THE ORIGINAL FOUNDATION, THEN THE DISTRICT AGREES TO ACCEPT AND APPROVE A CHANGE ORDER IN THE AMOUNT OF THE COST INCREASE.
 - WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 4'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" OR 1/2 THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.
 - A COLD JOINT MAY BE PROVIDED BETWEEN THE FOOTING AND THE VERTICAL FOUNDATION WALL. THE JOINT SHALL BE KEYED (2 1/2" WIDE (MIN) x 1 1/2" DEEP) AND ALL VERTICAL REINFORCING THAT CROSSES THE JOINT SHALL BE PLACED PRIOR TO THE PLACEMENT OF CONCRETE.

VENTING SCHEDULE

VENT "C": (4'-0" x 8" METAL SCREEN COVER)
 3'-10" x 5" = 1.59 S.F. VENTILATION

ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
 2'-10" x 18" = 4.25 S.F. VENTILATION

VENTING CALCULATION:

✓ 12' x 40' BUILDING: 12' x 40' = 480 SF / 150 = 3.2 SF VENT. REQ'D

1 - "C" VENT = 1.59 SF
 1 - "D" ACCESS VENT = 4.25 SF
 5.84 SF TOTAL VENTILATION (> 3.2 SF)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	SIDEWALL FOOTING	ENDWALL FOOTING
50 PSF	12" WIDE (2) #5 CONT T & B	17" WIDE (3) #5 CONT T & B

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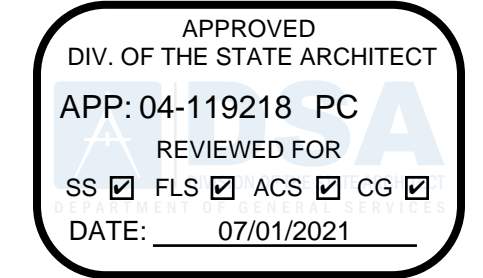
PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
**CONCRETE
 FOUNDATION PLAN
 BELOW GRADE CONC.
 WOOD FLOOR**

REVISIONS

1	
2	
3	
4	
5	

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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO. _____

DRAWN BY: _____

SCALE: AS NOTED

DATE: 06-22-2020

P.C. SHEET NUMBER

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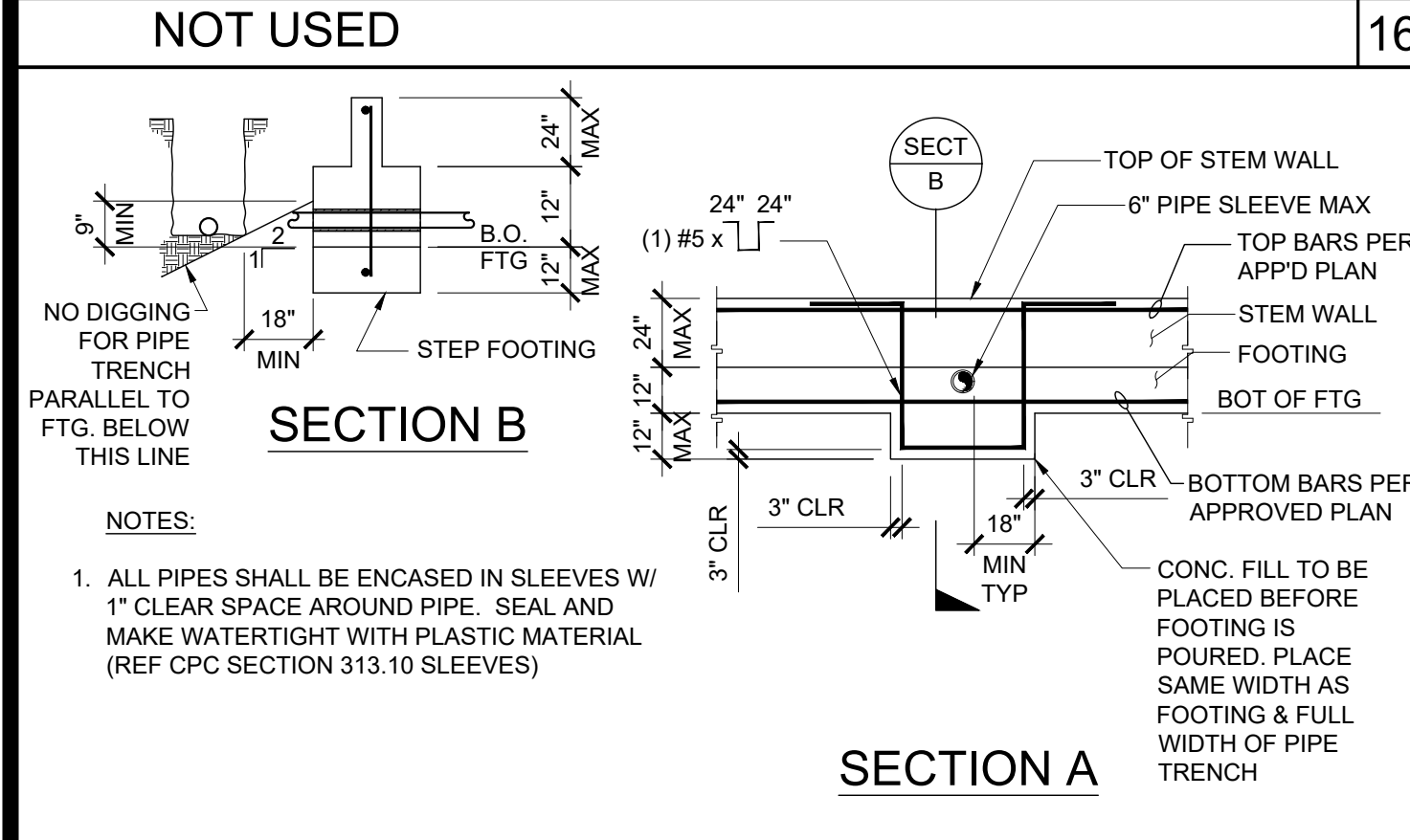
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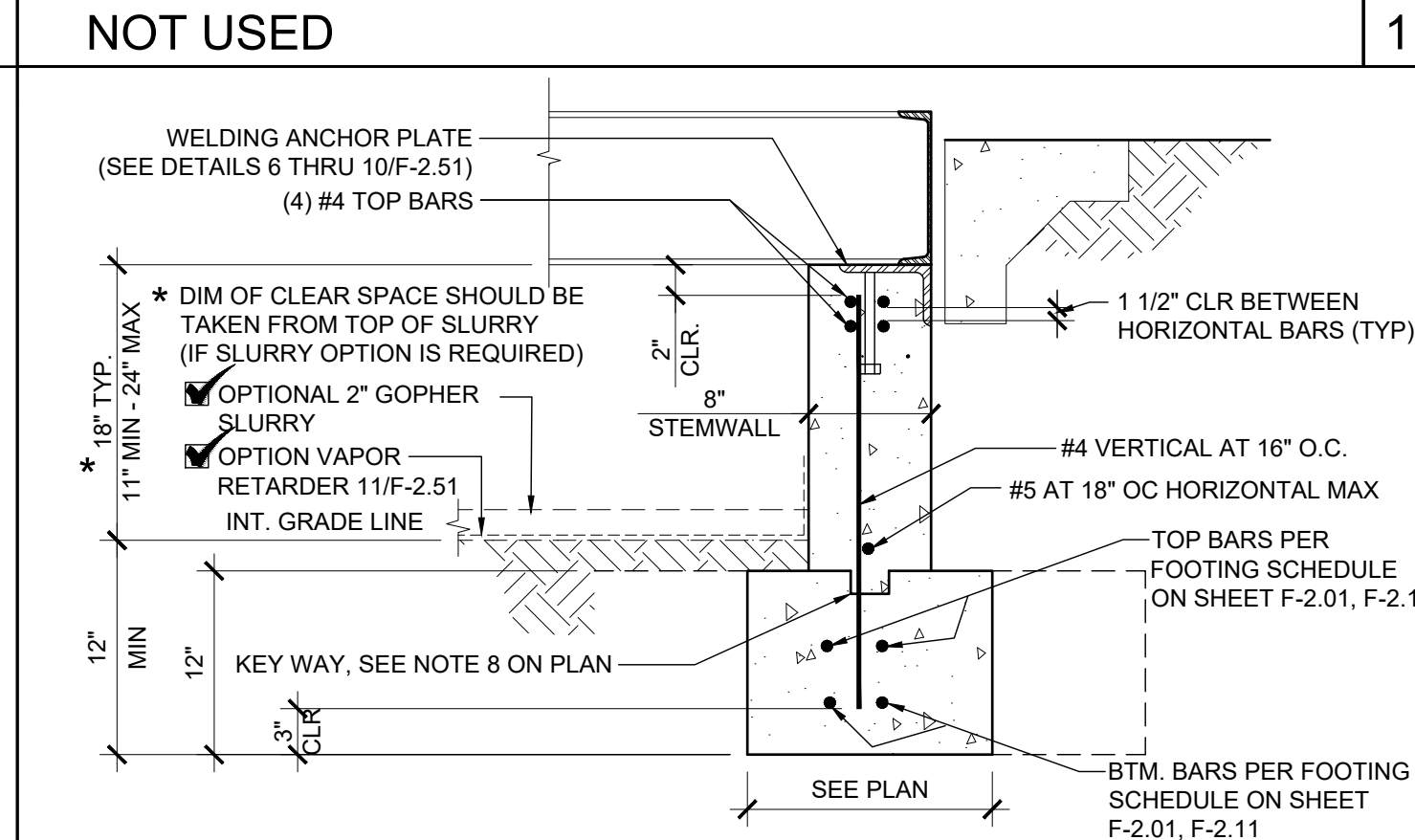
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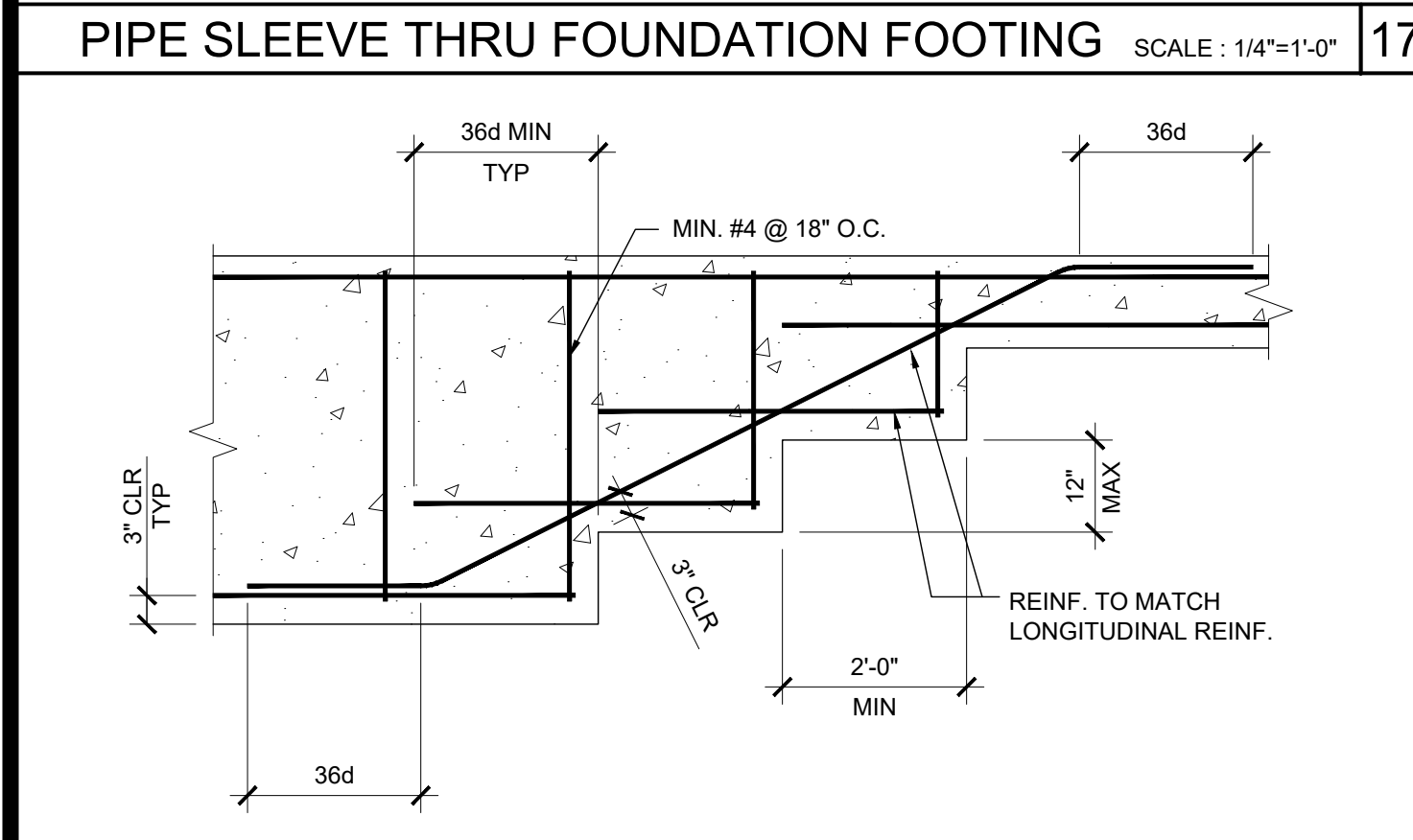
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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

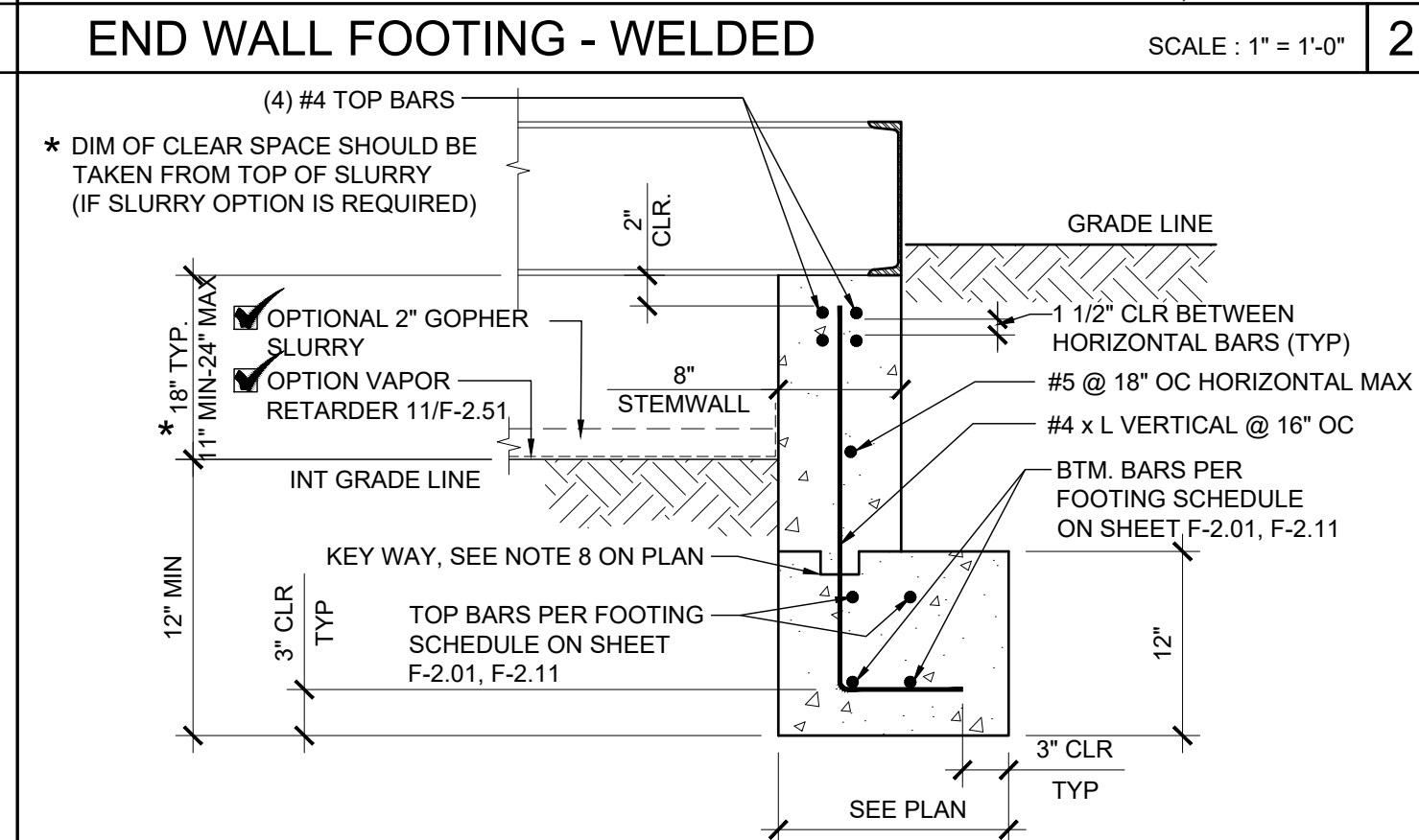
SHEET TITLE:
**CONCRETE
FOUNDATION DETAILS
BELOW GRADE**

REVISIONS



NOT USED

NOT USED

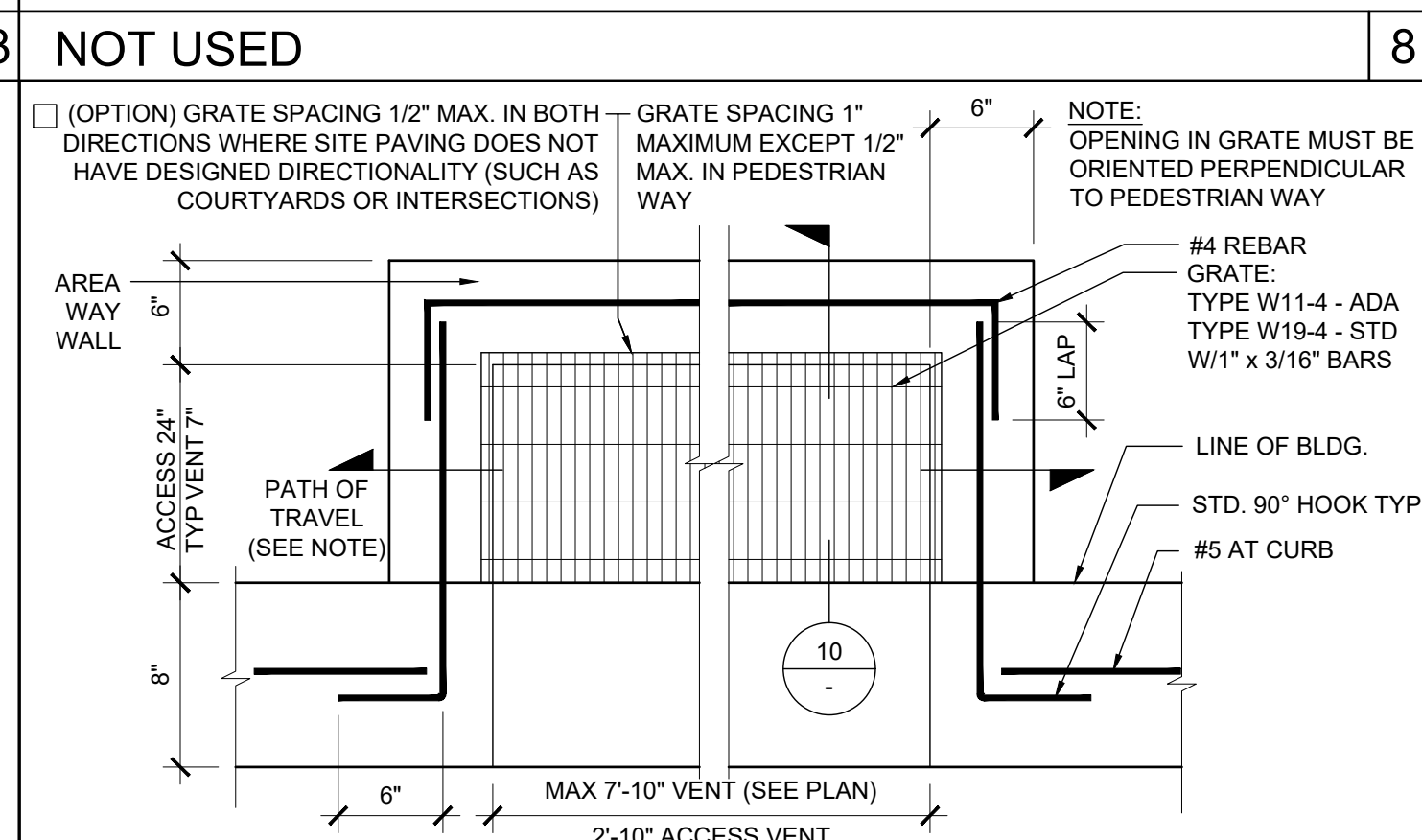
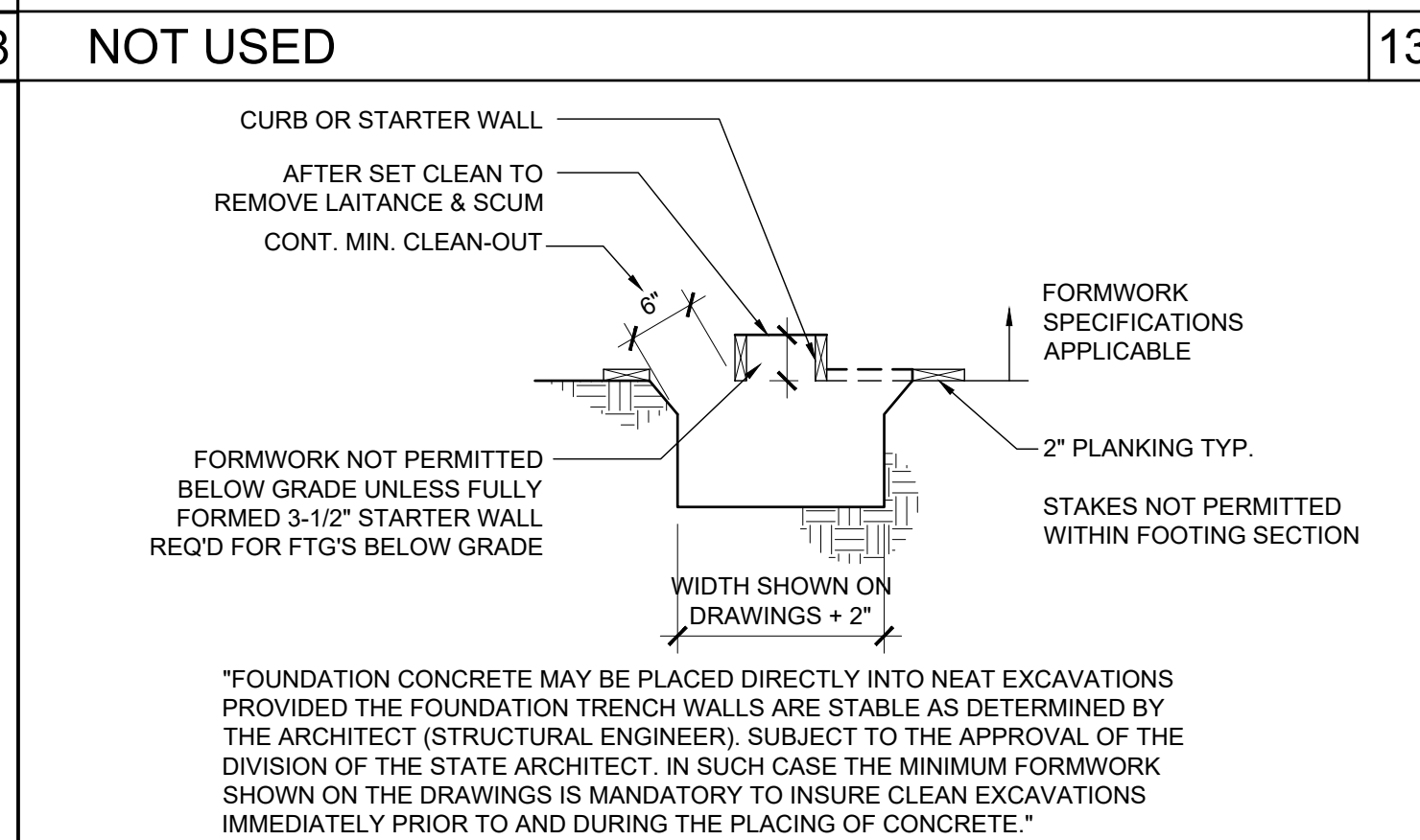
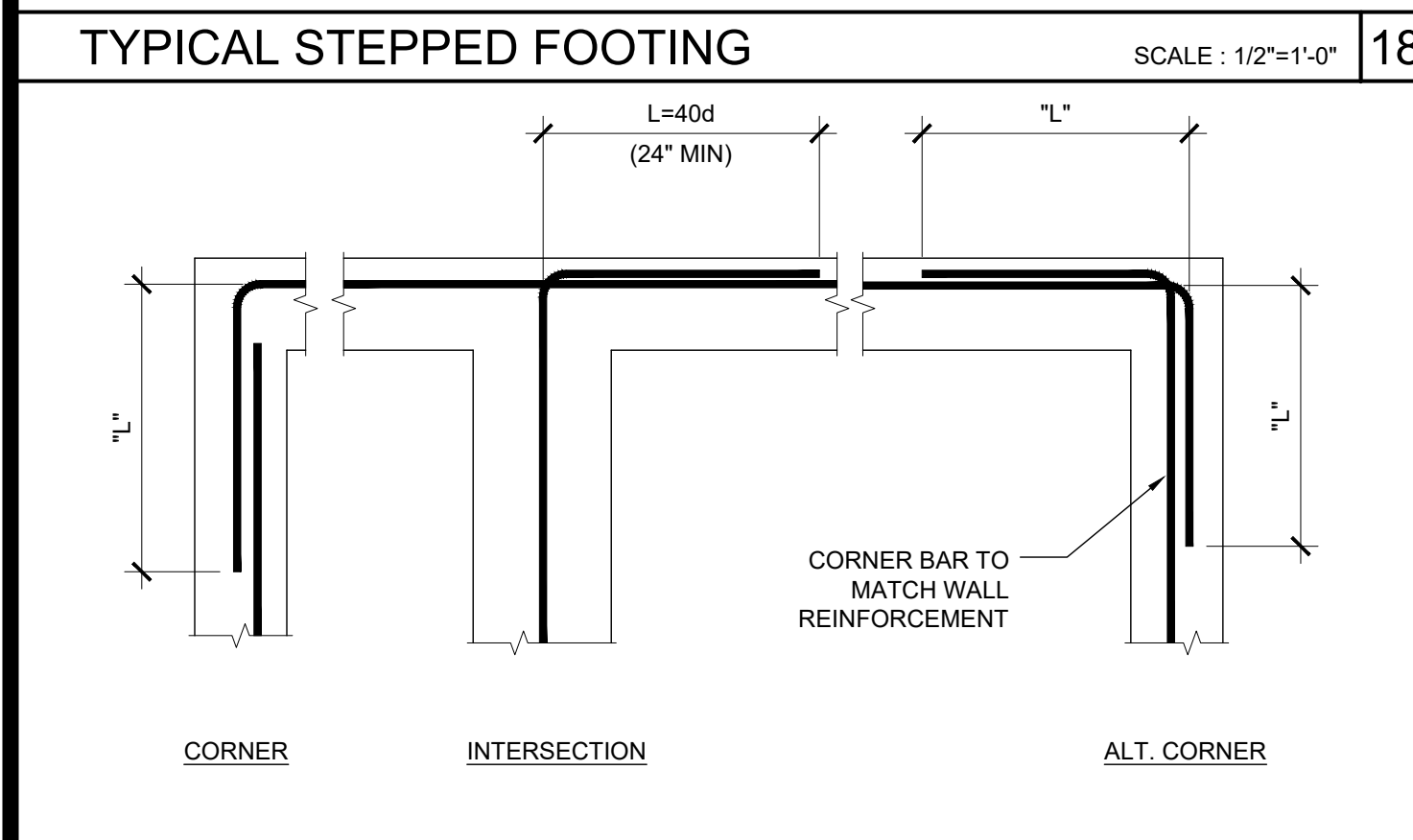


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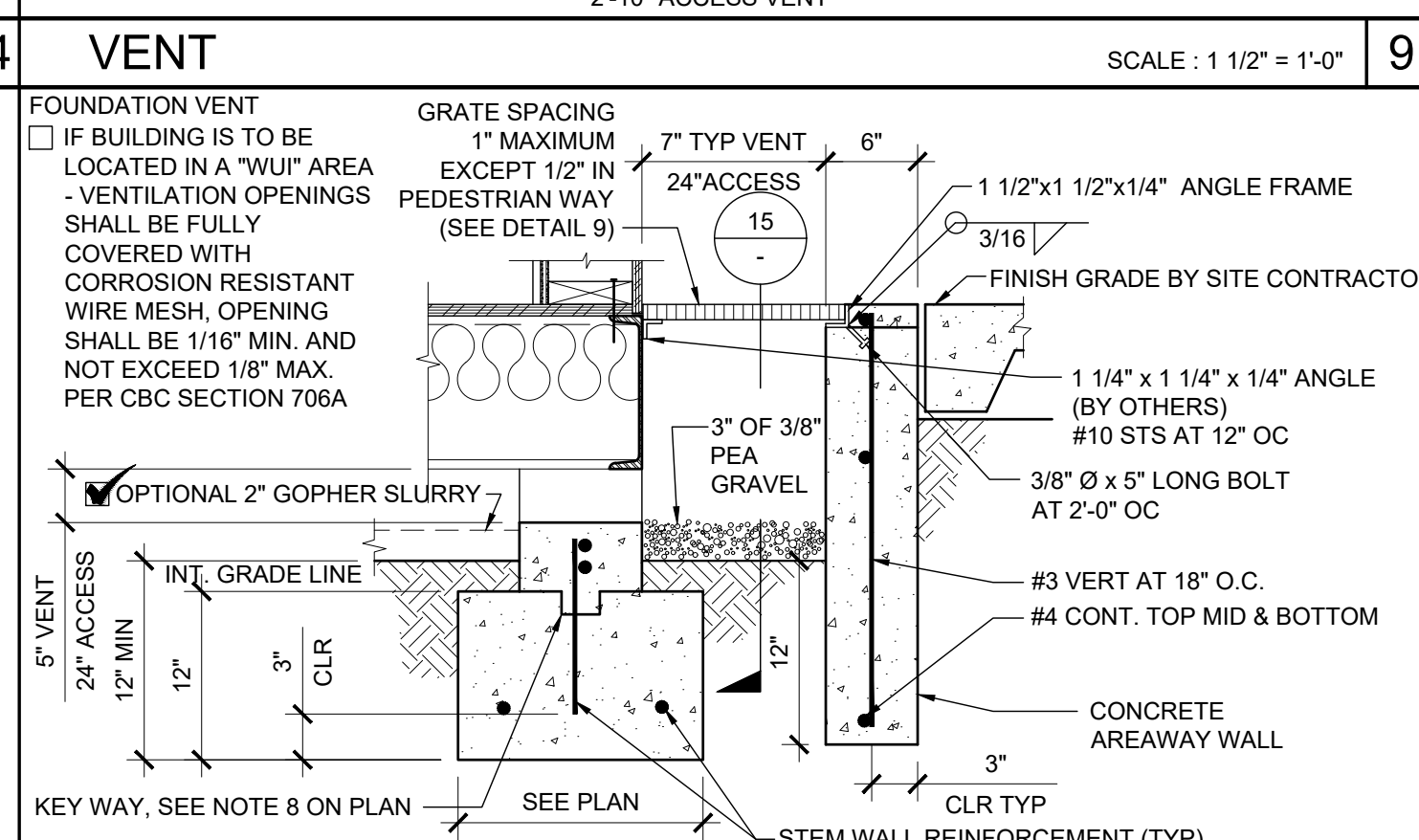
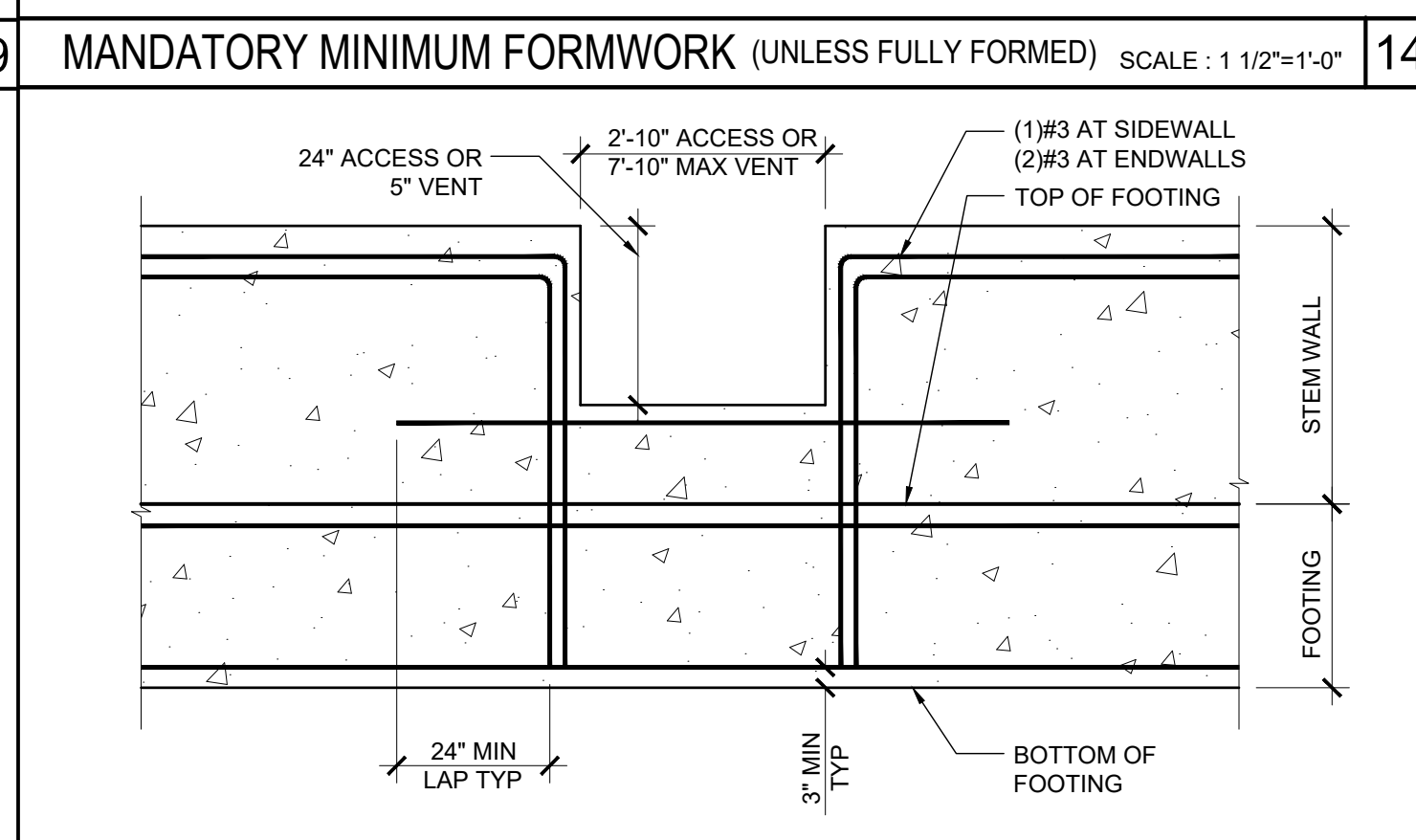
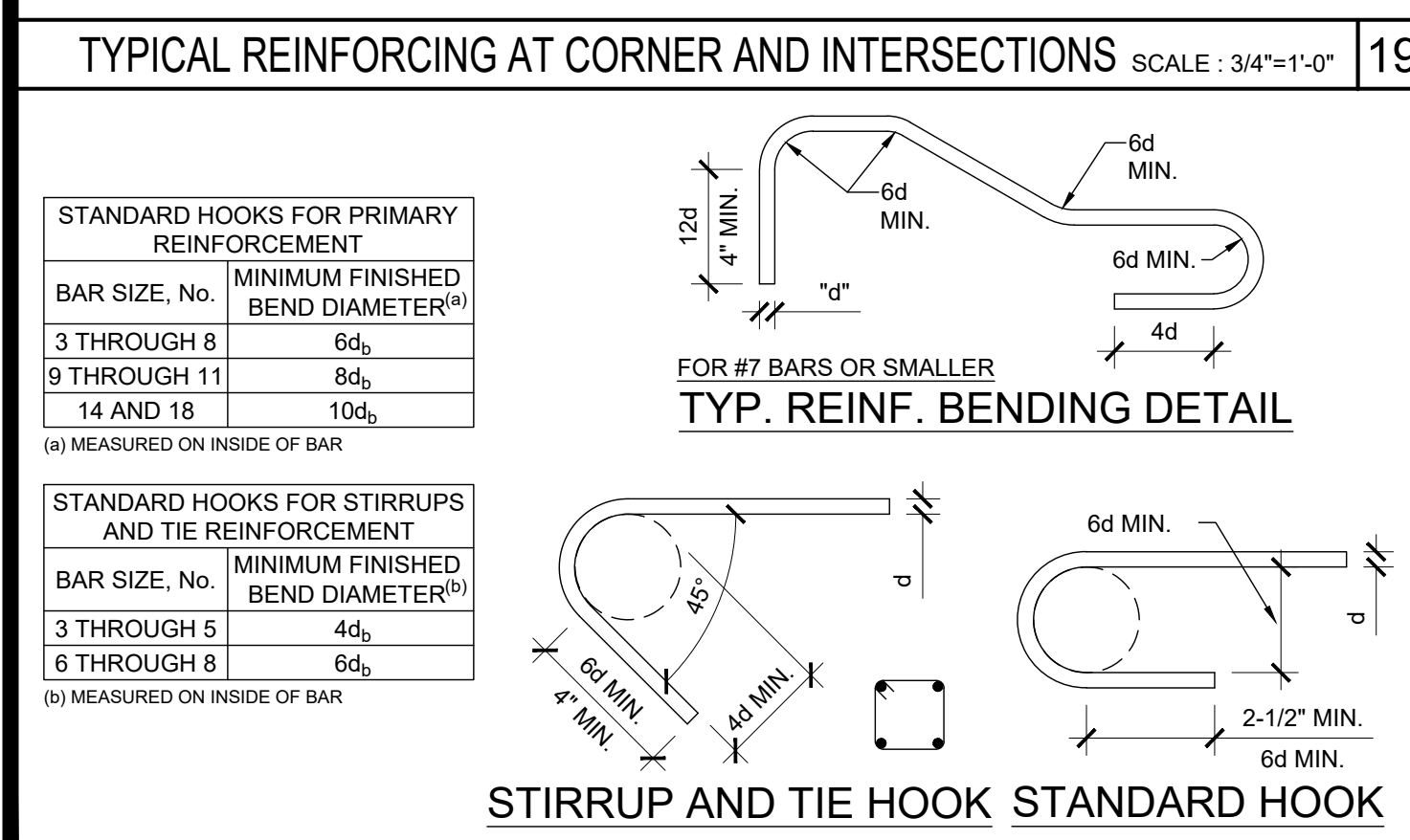
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MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES, INC.

Building for the Next Generation

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



NOT USED

SILVER CREEK INDUSTRIES, INC.

12' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 06-22-2020

P.C. SHEET NUMBER

F-2.50

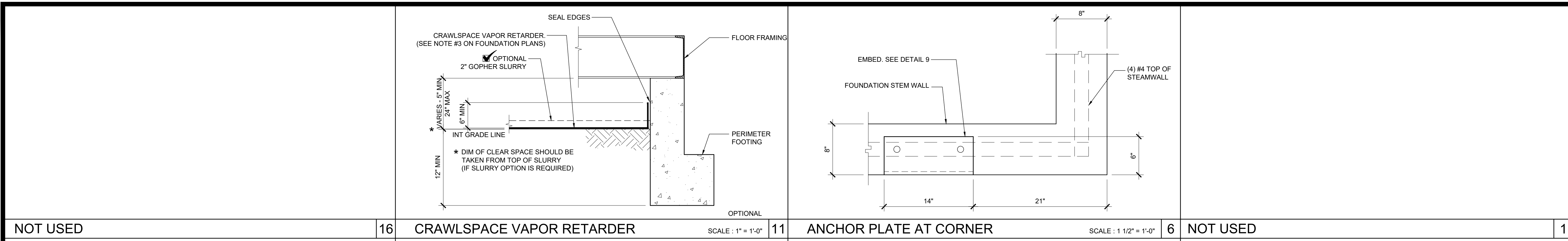
TYPICAL REINFORCING BENDING DETAILS SCALE: 1 1/2" = 1'-0"

VENT OPENING SCALE: 1" = 1'-0"

VENT/ACCESS SECTION SCALE: 1" = 1'-0"

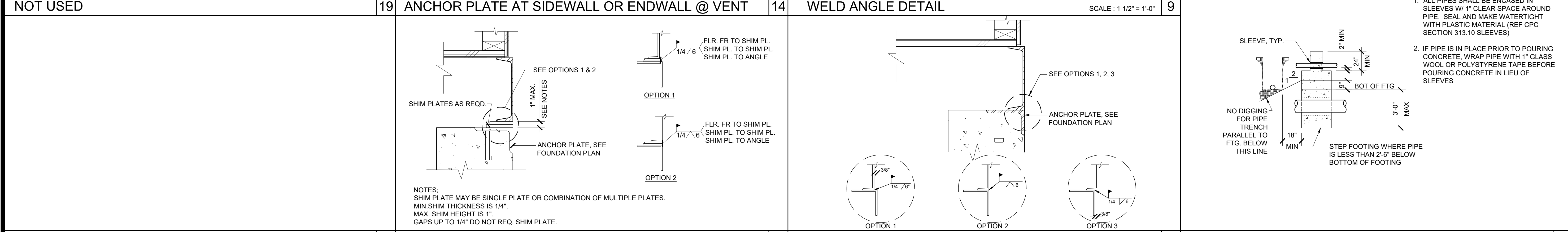
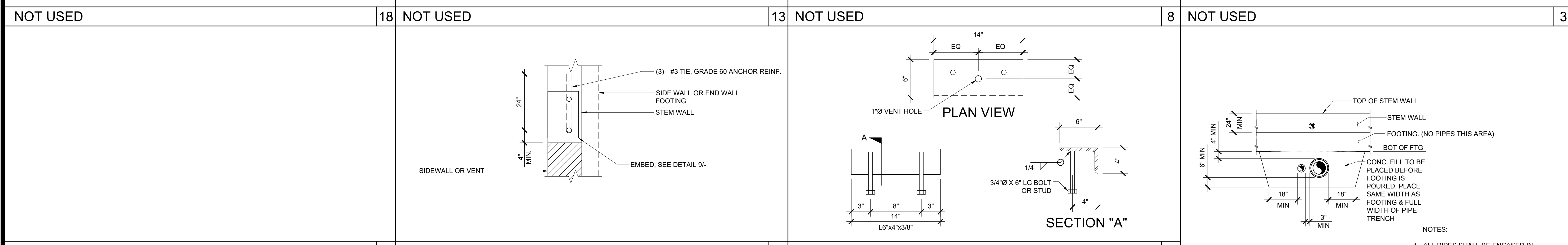
NOT USED

NOT USED



NOT USED	16	CRAWLSPACE VAPOR RETARDER	SCALE: 1" = 1'-0"	11	ANCHOR PLATE AT CORNER	SCALE: 1 1/2" = 1'-0"	6	NOT USED	1
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NOT USED	17	NOT USED		12	NOT USED		7	NOT USED	2
NOT USED	18	NOT USED		13	NOT USED		8	NOT USED	3



NOT USED	20	FOUNDATION WELDING W/ SHIM PLATES		15	FOUNDATION - WELDED	SCALE: 1 1/2" = 1'-0"	10	PIPE SLEEVE DETAIL	SCALE: 1/4" = 1'-0"	5
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PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
**FOUNDATION
 DETAILS
 CONCRETE**

REVISIONS

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SILVER CREEK
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MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
 DRAWN BY: AS NOTED
 SCALE: AS NOTED
 DATE: 06-22-2020
 P.C. SHEET NUMBER
F-2.51

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 I OR TYPE V CONSTRUCTION AND 1000 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 CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:

- FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- 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.
 - ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19A.
 - AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI318-11.
 - SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
- CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.
- DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (UNLESS REQUIRED OTHERWISE PER ACI 318-14 TABLE 4.3.1).

CONCRETE COMPRESSIVE STRENGTH (FC) = 3500 PSI
WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT
PORTLAND CEMENT TYPE I
NORMAL WEIGHT
- FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
- THE ARCHITECT SHALL APPROVE LOCATION OF:
 - OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
 - 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.
- VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
- ALL CEMENT SHALL BE TYPE I OR 11 PER ASTM C-150. (UNLESS REQUIRED OTHERWISE PER CBC 1802A.2.3)
- WATER CONTENT SHALL NOT EXCEED 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)
- AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING
- ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
- REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
- 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:

- QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
- LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
- 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 IDENTIFICATION 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, ITS LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

- MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 60. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 40.
- SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.
- 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".
- MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
- TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B. OR A1085
- PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085
- 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 2019 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION, TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

BOLTS:

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

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FTLBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE "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.

- FLOOR AND ROOF DECK WELDING.
- WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
- WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
- SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.

FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.

* OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURALREBAR (MEETS ALL CHARPY REQUIREMENTS) E71T-11 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:

STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW. SEE PLAN FOR MINIMUM YIELD.

MATERIAL THICKNESS 11GA OR LESS: ASTM A-1011/A GRADE 33 (UNO)

MATERIAL THICKNESS 10GA OR GREATER: ASTM A-1011/A GRADE 40

SHEET STEEL DESIGNATION (GAUGE)	MINIMUM DELIVERED THICKNESS (INCHES)
26	0.017
22	0.029
20	0.034
18	0.046
16	0.057
14	0.071
12	0.100
11	0.114
10	0.128

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

NOTES:

- CJP GROOVE WELD NDT
 - ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:

FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER. PER WCLB RULES #16. MOISTURE CONTENT = 19% MAX. PLATES AND BLOCKING - STANDARD GRADE OR BETTER

STUDS AND HEADER = HF #2, OR DF #2, OR BETTER

SHEATHING:
 AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

- PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
- PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
- EXTERIOR WALL SIDING:
 - STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
 - OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
- EXTERIOR WALL SIDING ATTACHMENT:
 FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.10.1.1

TREATED WOOD:

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED LESS THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL PER (CBC SECTION 2304.12.1.2).

- ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
- WOOD FASTENERS OTHER THAN SCREWS:
 ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
- 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 SECTION 2304.10.5.1

CONTINUOUS INSPECTION:

PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL, AND MISC. STEEL:

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTION:
 ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:

- * EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
- * NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
- * ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE. SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
 THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:

ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:

3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
 SPAN RATING 48/24
 FASTEN TO SHEET METAL SUPPORTS W/ #10 X 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" OC AT BOUNDARIES, 4" OC AT EDGES, AND 6" OC FIELD NAILS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:

1 1/8" PLYWOOD - STURD-I-FLOOR
 EXTERIOR - TONGUE AND GROOVE EDGES
 SPAN RATING: 48"
 FASTEN TO SHEET METAL SUPPORTS 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.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
 STRENGTH: 3000 PSI MIN
 TYPE: I OR II
 DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:

2 X STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
 USE: #10 - 24 X 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:

INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1, CALIFORNIA BUILDING CODE, 2019 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 14TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

WORKMANSHIP:

WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

INSPECTIONS:

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CHANGES:

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

NAILING NOTES:

- 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.

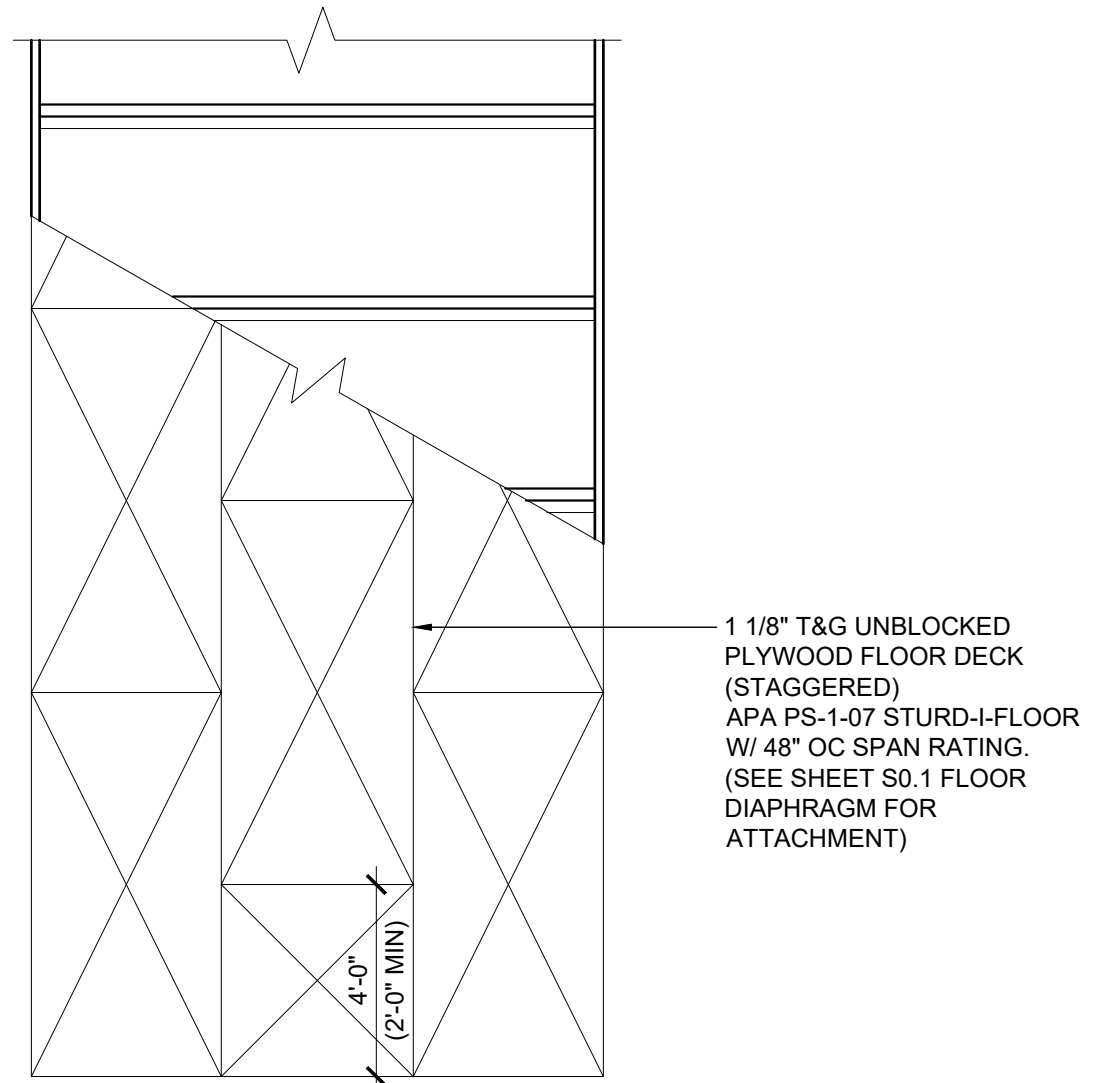
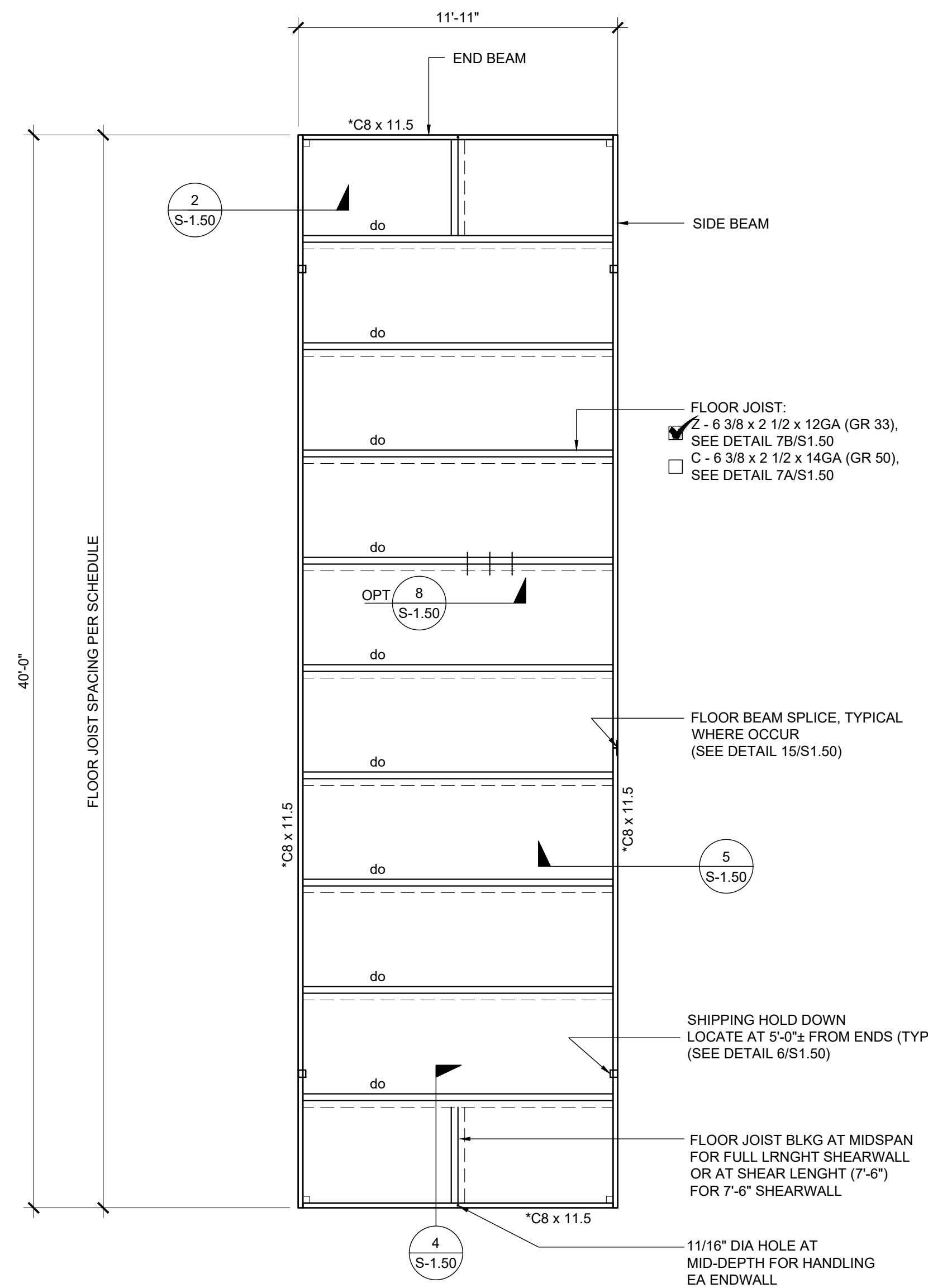
CONNECTION AND FASTENERS:

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&A NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE (2019 CBC TABLE 2304.10.1)		
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
Roof		
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2 1/2" x 0.131") 2-3" x 0.131" nails 2-3" 14 gage staples	Each end, toenail
Flat blocking to truss and web filer	2-16 x 4 common (3 1/2" x 0.162") 3-3" x 0.131" nails 3-3" 14 gage staples	End nail
2. Ceiling joists to top plate	16d common (3 1/2" x 0.162") @ 6" o.c. 3" x 0.131" nails @ 6" o.c. 3" x 14 gage staples @ 6" o.c.	Face nail
3. Ceiling joist not attached to parallel rafter, laps over partitions (no truss) (see Section 2308.7.3.1, Table 2308.7.3.1)	3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, toenail
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1)	3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
5. Collar tie to rafter	Per Table 2308.7.3.1	Face nail
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	3-10 common (3" x 0.148"); or 3-16d box (3 1/2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131 nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown 3-10d common (3" x 0.148"); or 4-16d box (3 1/2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
Wall		
8. Stud to stud (not at braced wall panels)	16d common (3 1/2" x 0.162"); 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	24" o.c. face nail 16" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3 1/2" x 0.162"); or 3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail 12" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3 1/2" x 0.162"); or 12d box (3 1/2" x 0.135")	16" o.c. each edge, face nail 12" o.c. each edge, face nail
11. Continuous header to stud	4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128") 16d common (3 1/2" x 0.162"); or	Toenail 16" o.c. face nail
12. Top plate to top plate	10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c. face nail
13. Top plate to top plate, at end joints	8-16d common (3 1/2" x 0.162"); or 12-10d box (3" x 0.128"); or 12-3" x 0.131" nails; or 12-3" 14 gage staples, 7/16" crown	Each side of end joint, face nail Each side of end joint, face nail (minimum 24" lap-splice length each side of end joint)
14. Bottom plate to joist, rim joist, band joint or blocking (not at braced wall panels)	16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail 12" o.c. face nail
15. Bottom plate to joist, rim joist, band joint or blocking (at braced wall panels)	2-16d common (3 1/2" x 0.162"); or 3-16d box (3 1/2" x 0.135"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown 4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or	16" o.c. face nail Toenail
16. Stud to top or bottom plate	2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
17. Top plates, laps at corners and intersections	2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Face nail



* NOTE:
FLOOR BEAMS MAY VARY. SEE COLUMN SCHEDULE
SHEET S-3.01 THRU S-3.04

NOTES:

- FOR FLOOR BLOCKING SEE DETAILS 4,7A / S-1.50 (STD), 4,7B / S-1.50 (ALT)
- FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS, PROVIDE 1 1/16" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW. FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.
- FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR NATURALLY DURABLE IF BOTTOM OF WOOD IS LESS THAN 18" CLEAR FROM EXPOSED EARTH.
- HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.04

FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING
<input checked="" type="checkbox"/>	50	32"
<input type="checkbox"/>	50	24"
<input type="checkbox"/>	50	16"

FLOOR SHEATHING

- PRESSURE TREATED
- NON-PRESSURE TREATED

NOTE:
PRESSURE TREATED SHEATHING SHALL ONLY BE PROVIDED WHEN WOOD FOUNDATIONS ARE USED AND EXPOSED EARTH OCCURS WITHIN THE FOUNDATION AT A DISTANCE OF LESS THAN 18" BELOW THE UNDERSIDE OF THE FLOOR SHEATHING. SEE 16/F-0.50 FOR ADDITIONAL INFORMATION.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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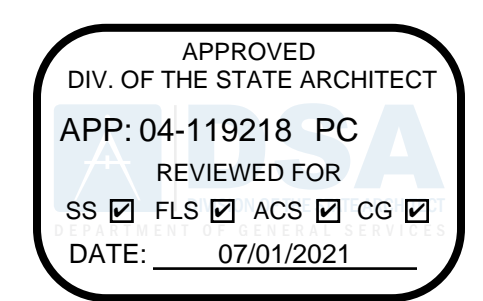
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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**FLOOR FRAMING PLAN
WOOD FLOOR**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

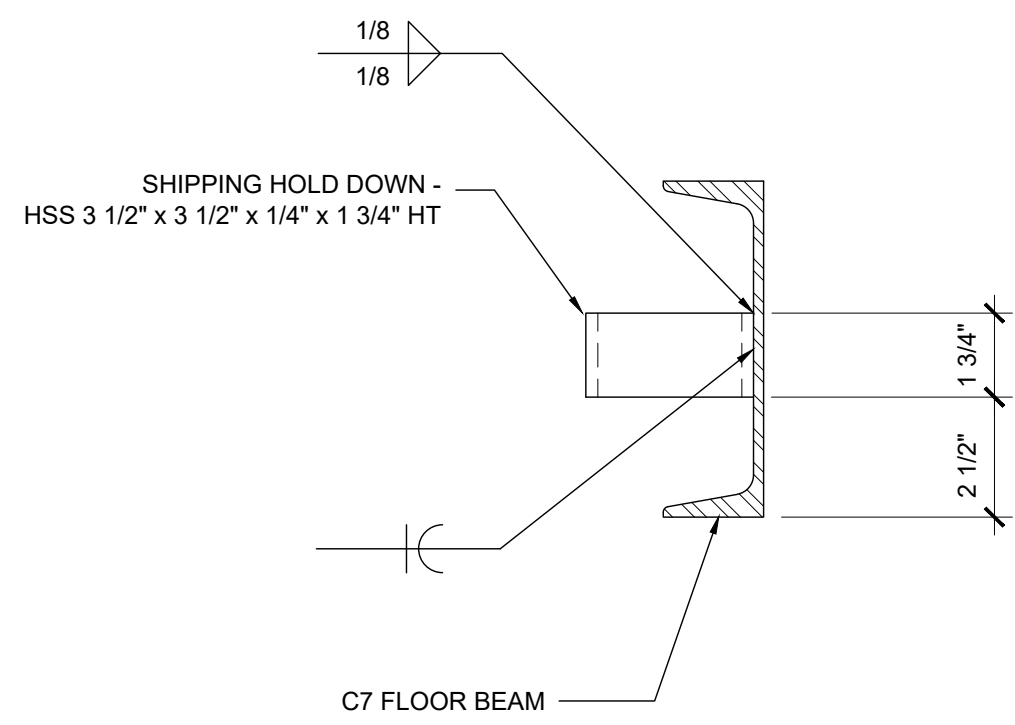
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

P.C. SHEET NUMBER
S-1.01

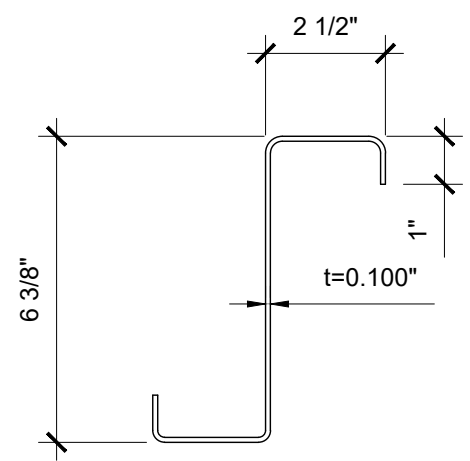


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SHIPPING HOLD DOWN DETAIL

SCALE: 3"=1'-0"

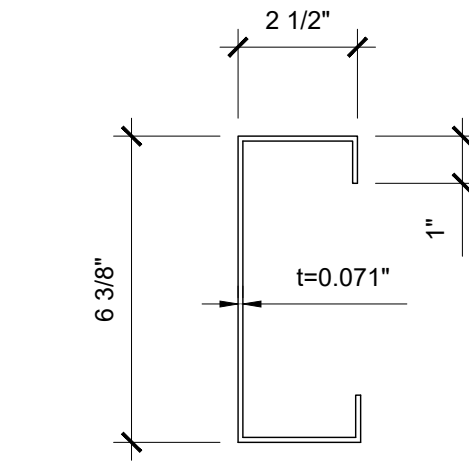
6



ALTERNATE JOIST
t=0.100"
Sx : 2.4465 IN³ MIN
Ix : 7.798 IN⁴
Fy : 33 KSI

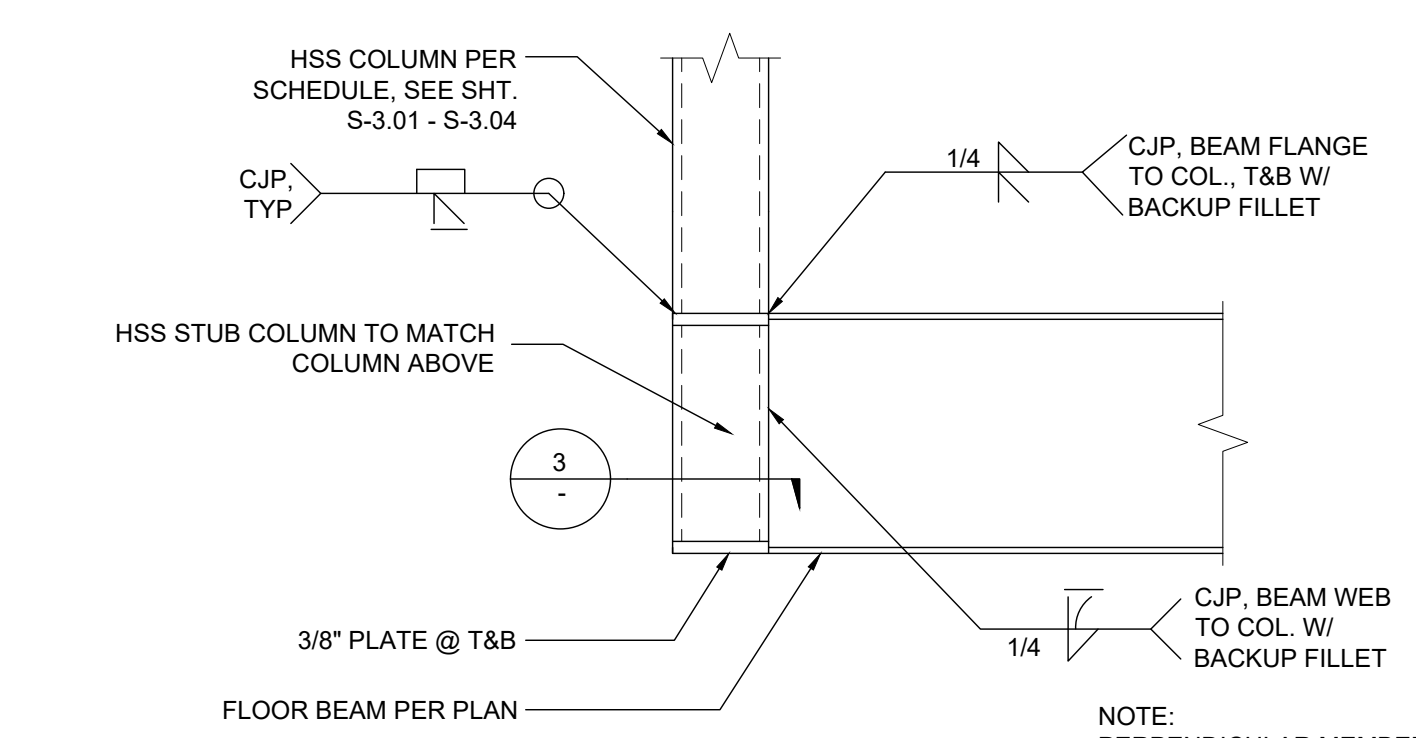
ASTM A-1011, GRADE 33

REF: S-1.01



STANDARD JOIST
t=0.071"
Sx : 1.8022 IN³ MIN
Ix : 5.745 IN⁴ MIN
Fy : 50 KSI

ASTM A-1011, GRADE 50

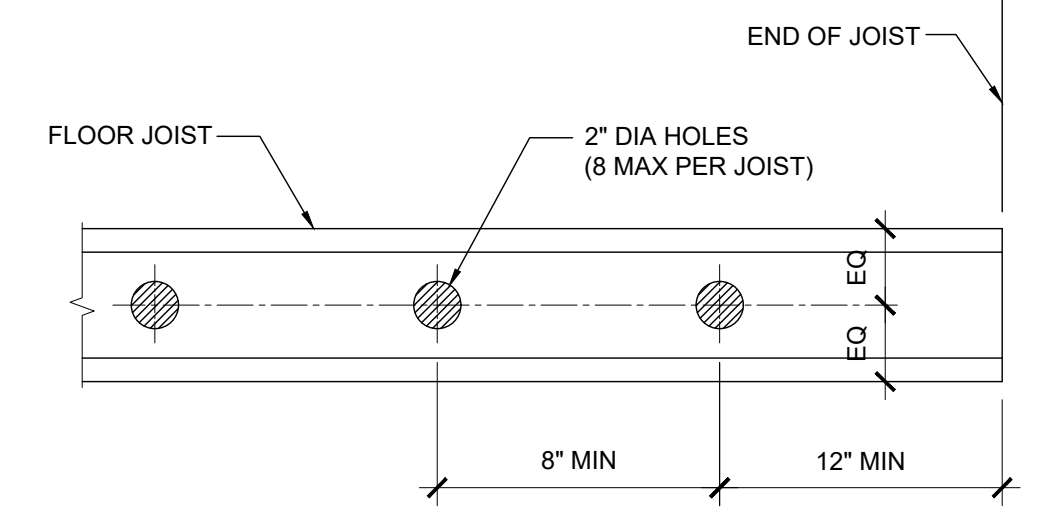


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FLOOR BEAM TO COLUMN CONNECTION

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

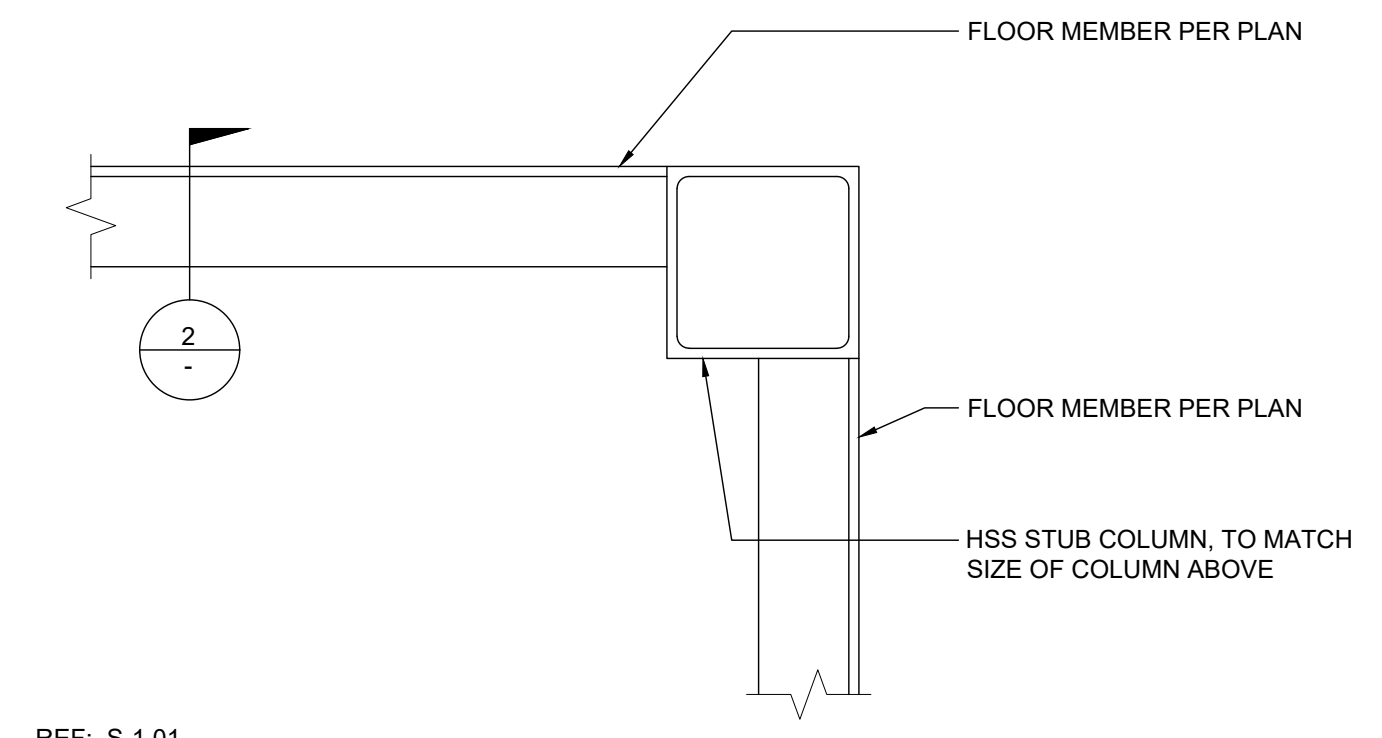
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FLOOR JOIST HOLES (OPTIONAL)

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

8

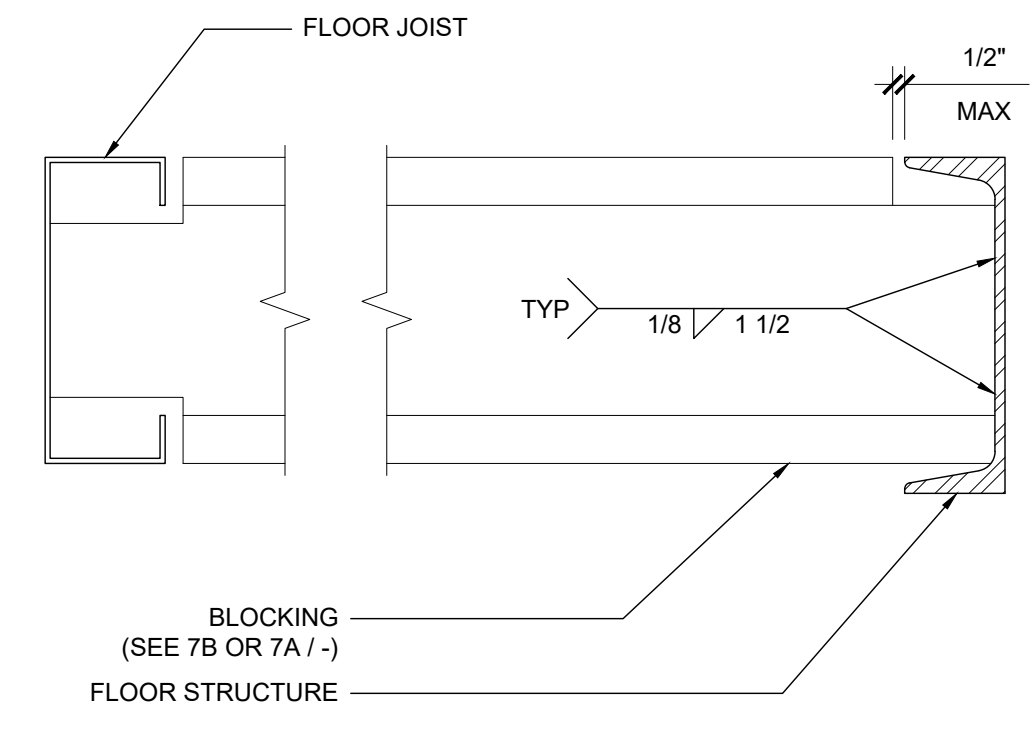


REF: S-1.01

CORNER CONNECTION

SCALE: 3"=1'-0"

3

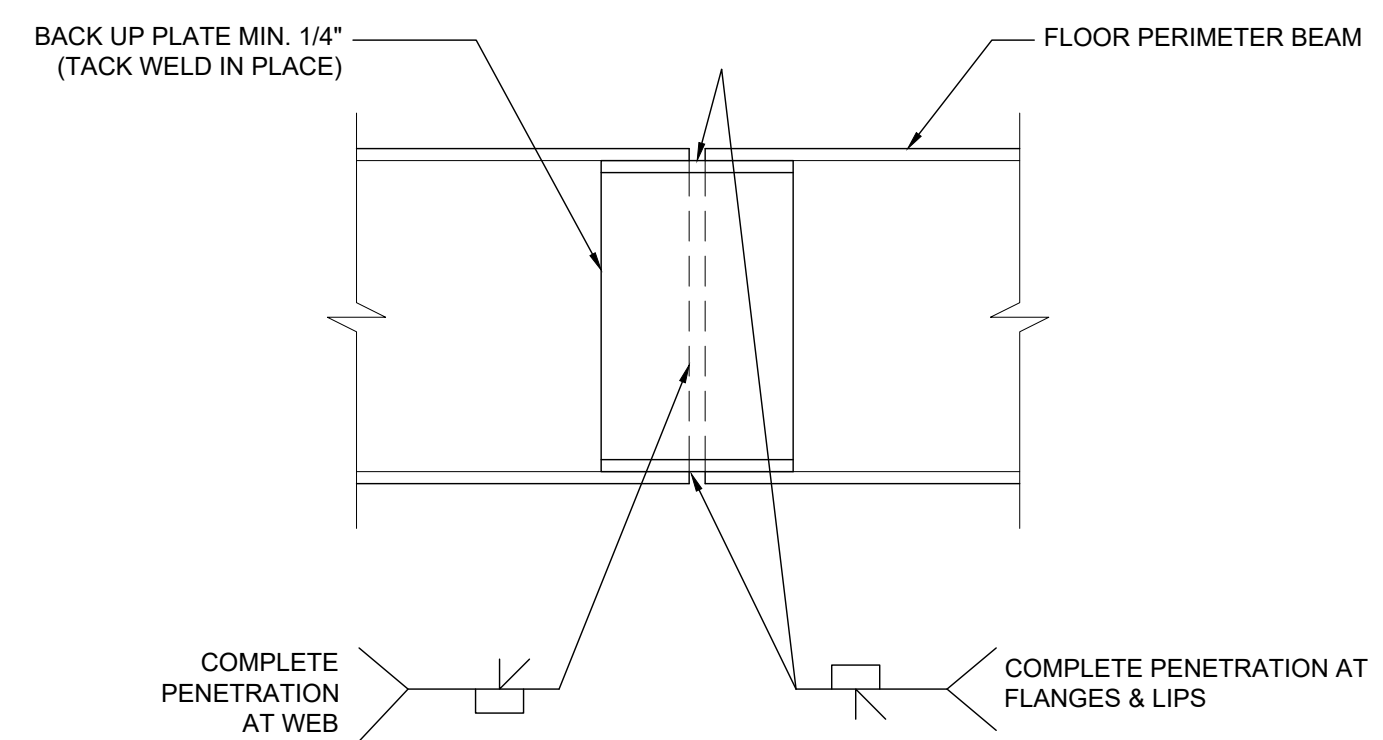


REF: S-1.01

BLOCKING TO END BEAM

SCALE: 3"=1'-0"

4

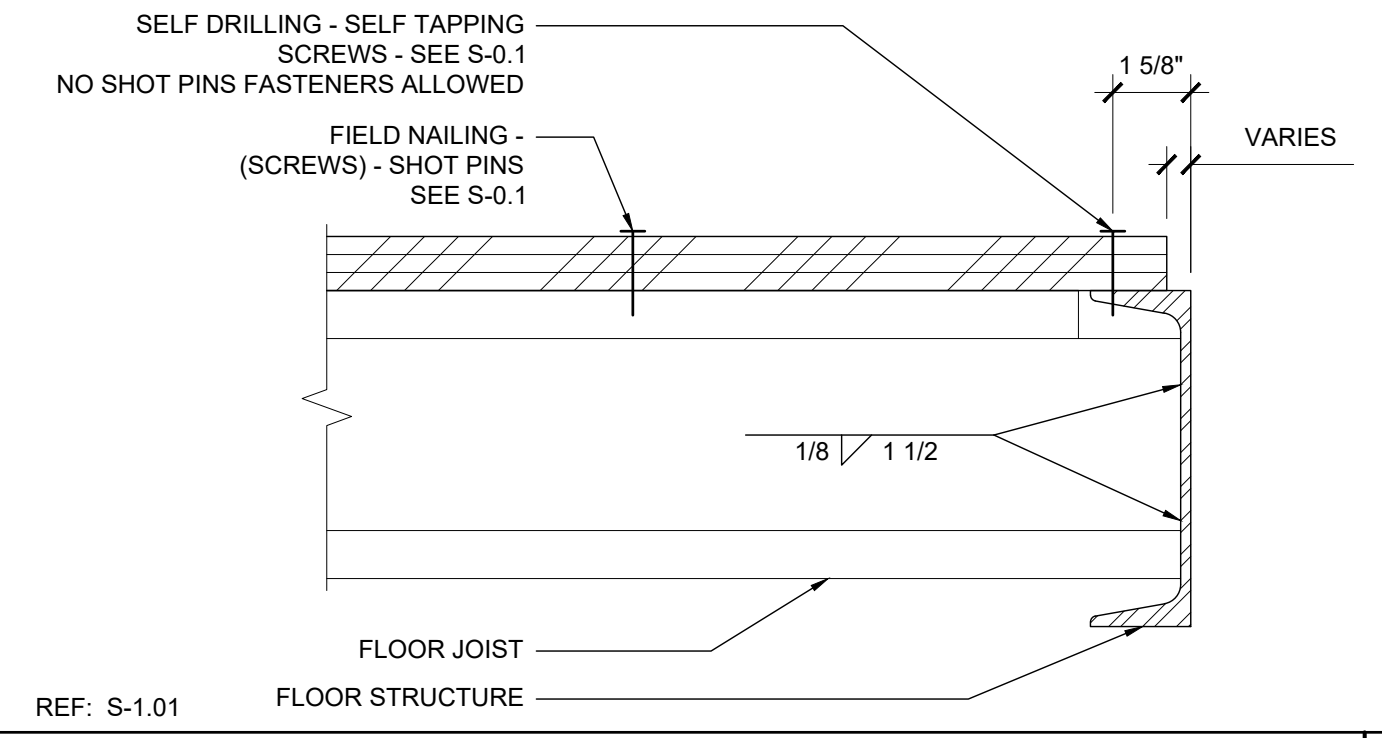


REF: S-1.01

FLOOR BEAM SPLICE

SCALE: 3"=1'-0"

15



REF: S-1.01

JOIST TO SIDE BEAM

SCALE: 3"=1'-0"

5

PROJECT SPECIFIC STATE AGENCY APPROVAL

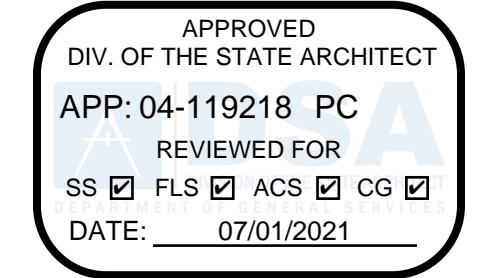
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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**FLOOR FRAMING
DETAILS
WOOD FLOOR**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

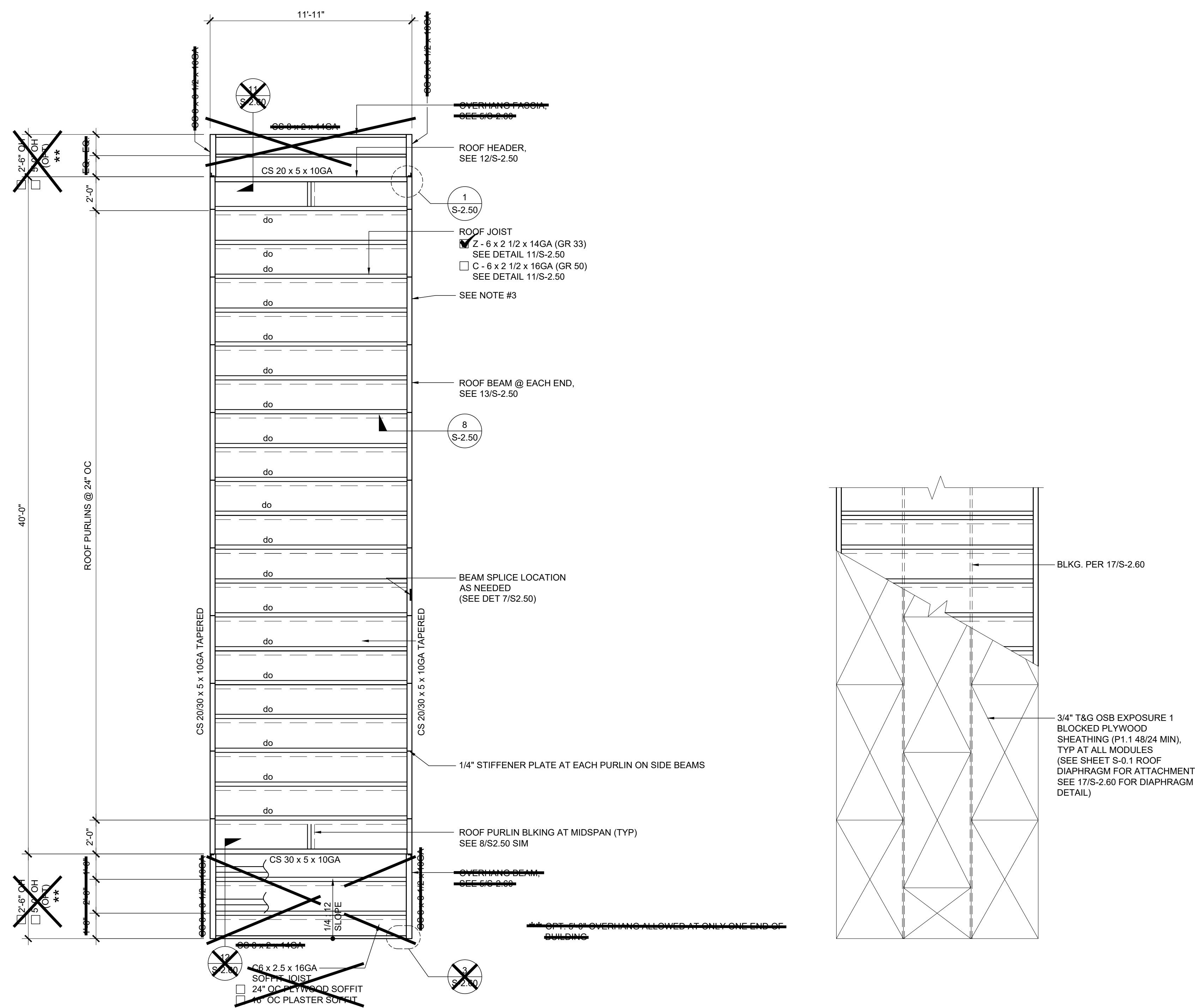
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

P.C. SHEET NUMBER
S-1.50



NOTES

- OPTIONAL PURLIN FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S2.50 OR 14 / S2.51 DETAILS

PROJECT SPECIFIC STATE AGENCY APPROVAL

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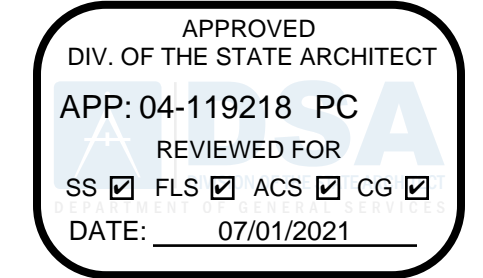
PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
**ROOF FRAMING PLAN
 MONO SLOPE**

REVISIONS

1	
2	
3	
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PRE-CHECK (PC) DOCUMENT
 CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

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

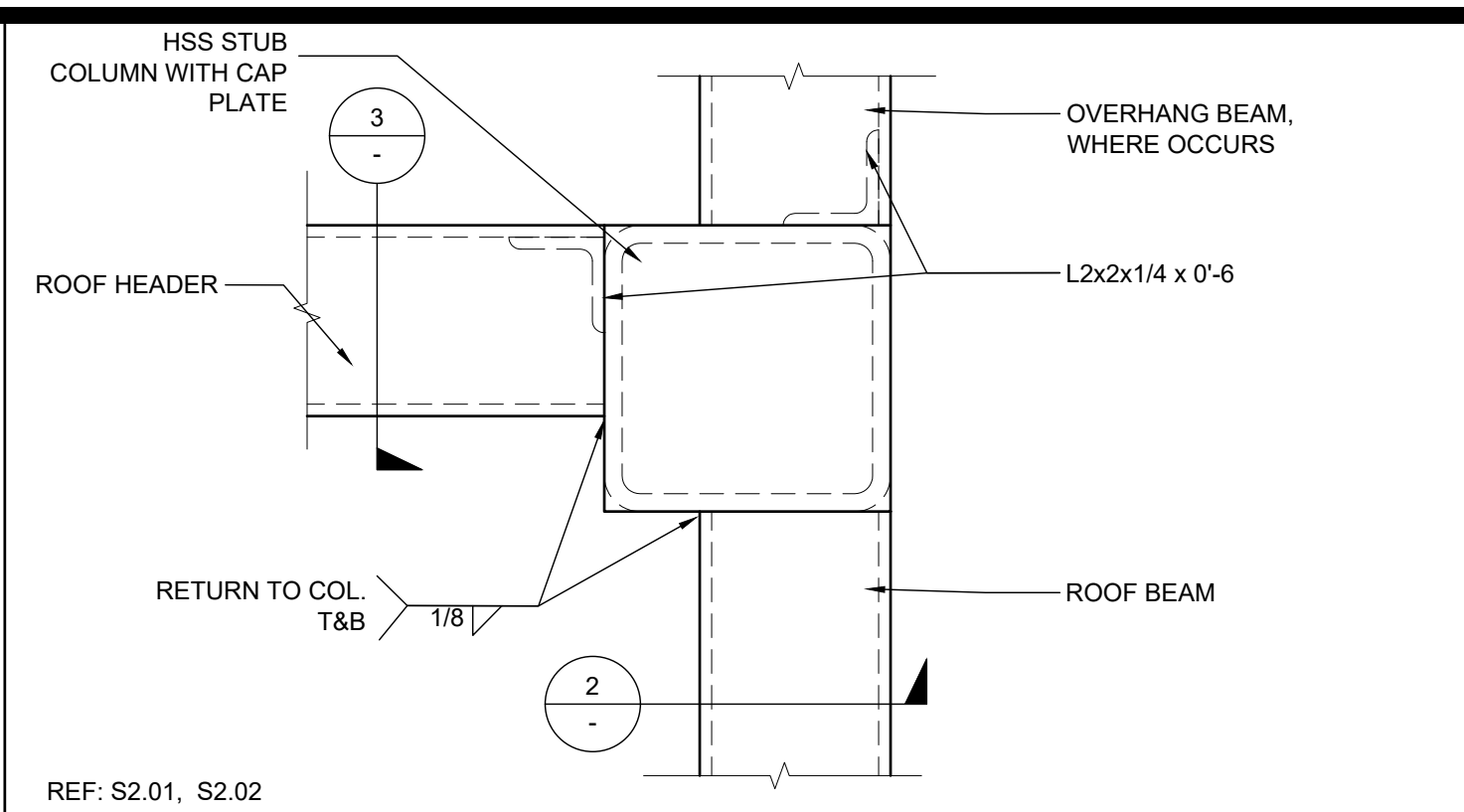
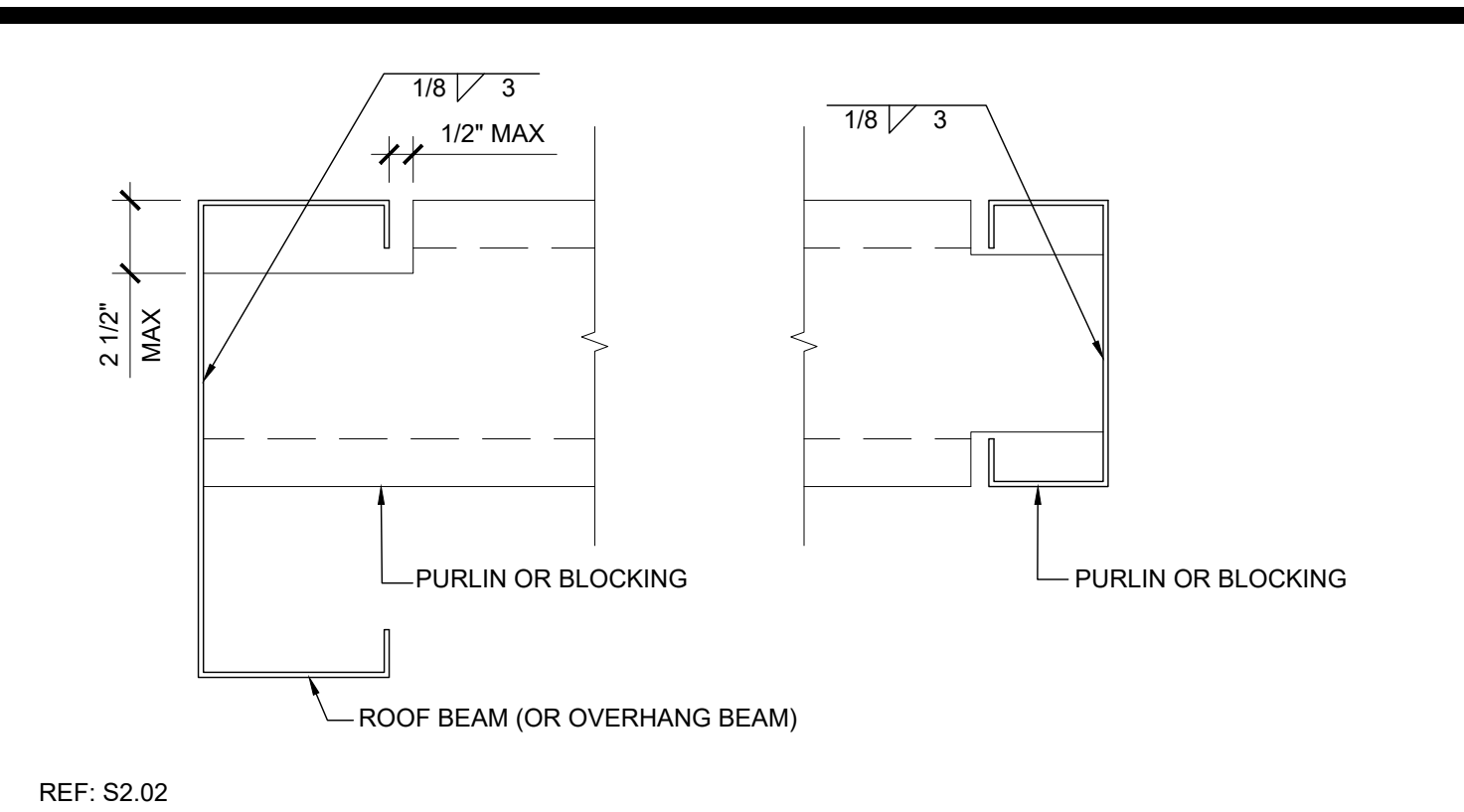
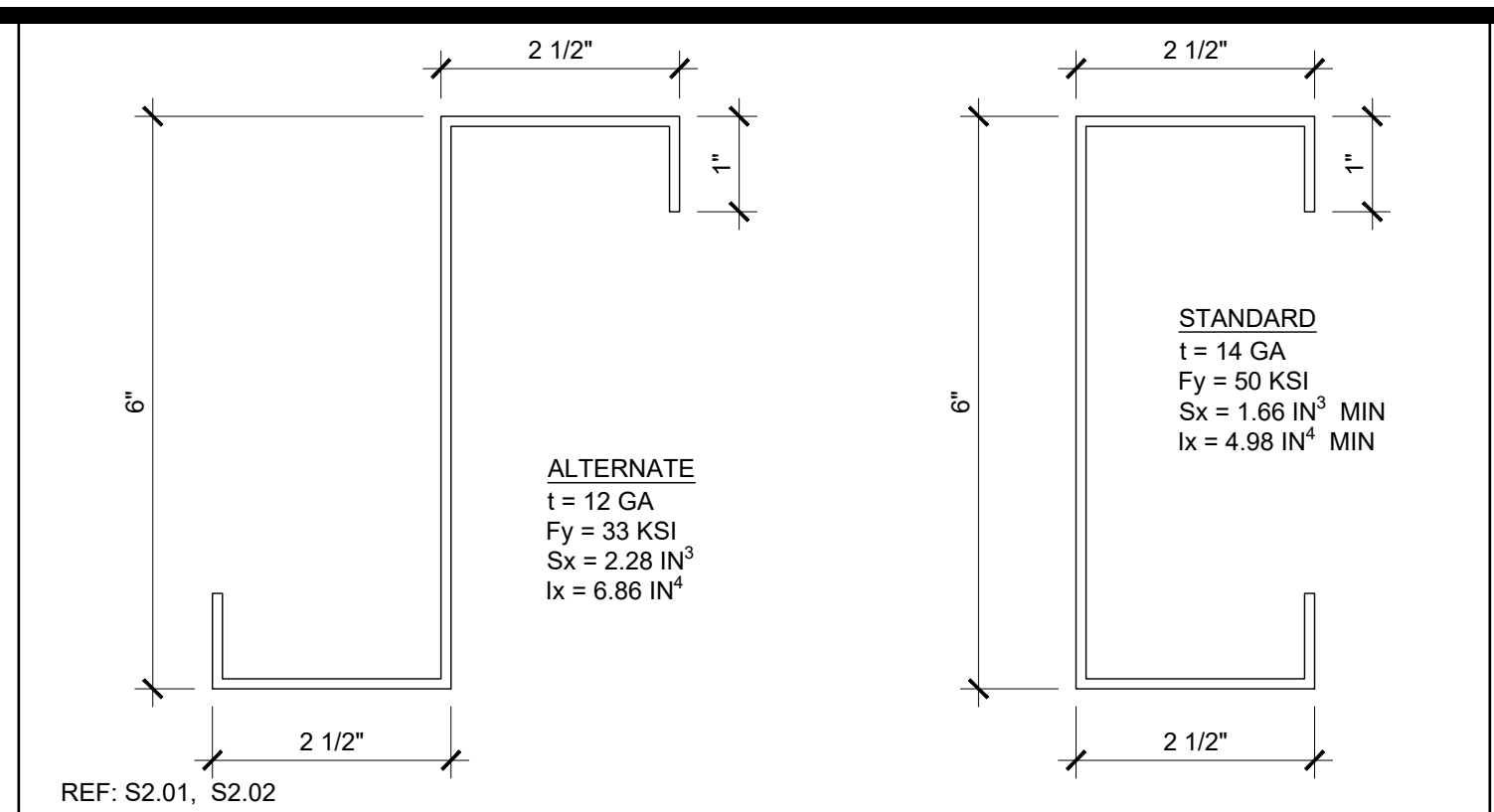
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

P.C. SHEET NUMBER
S-2.01

ROOF FRAMING PLAN

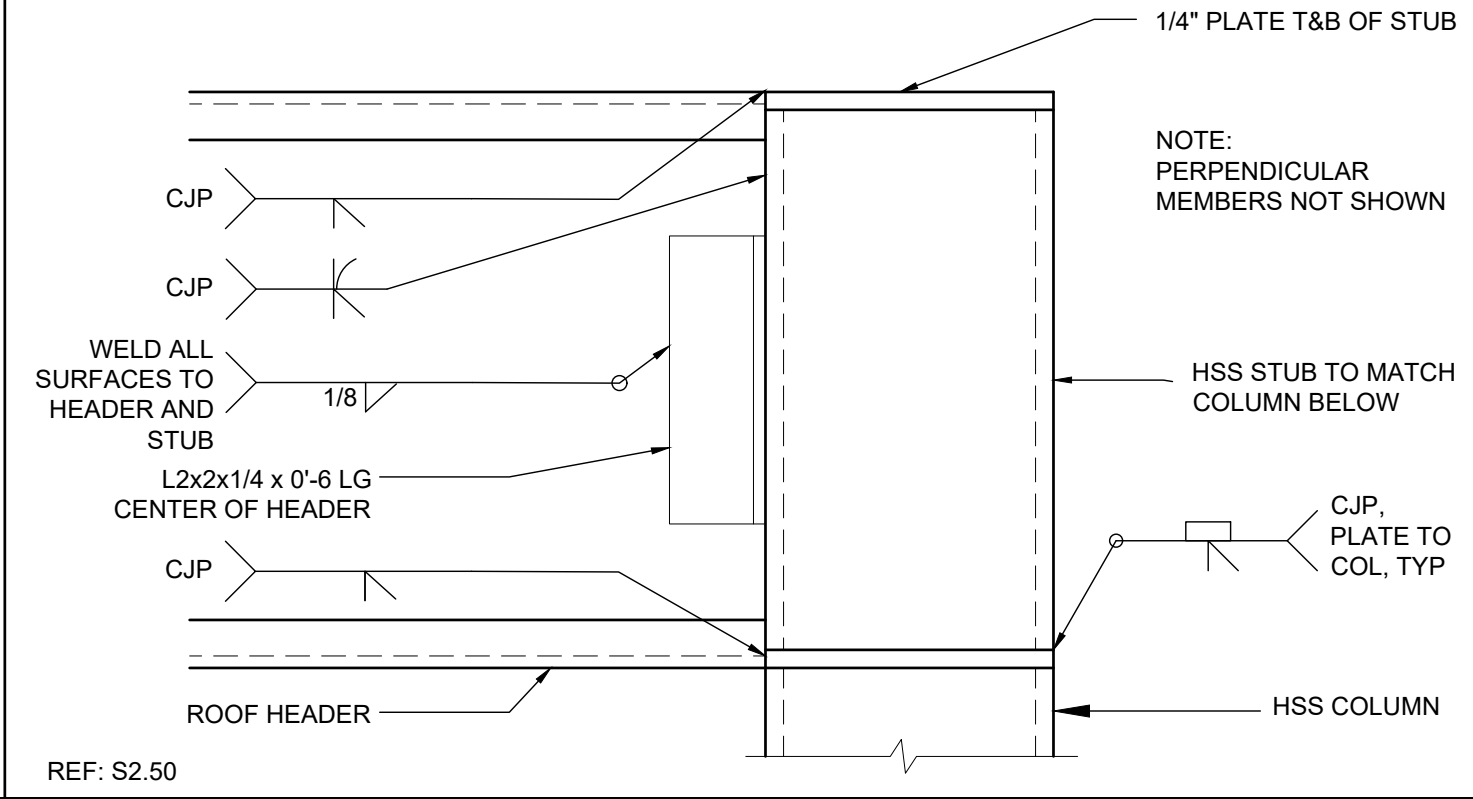
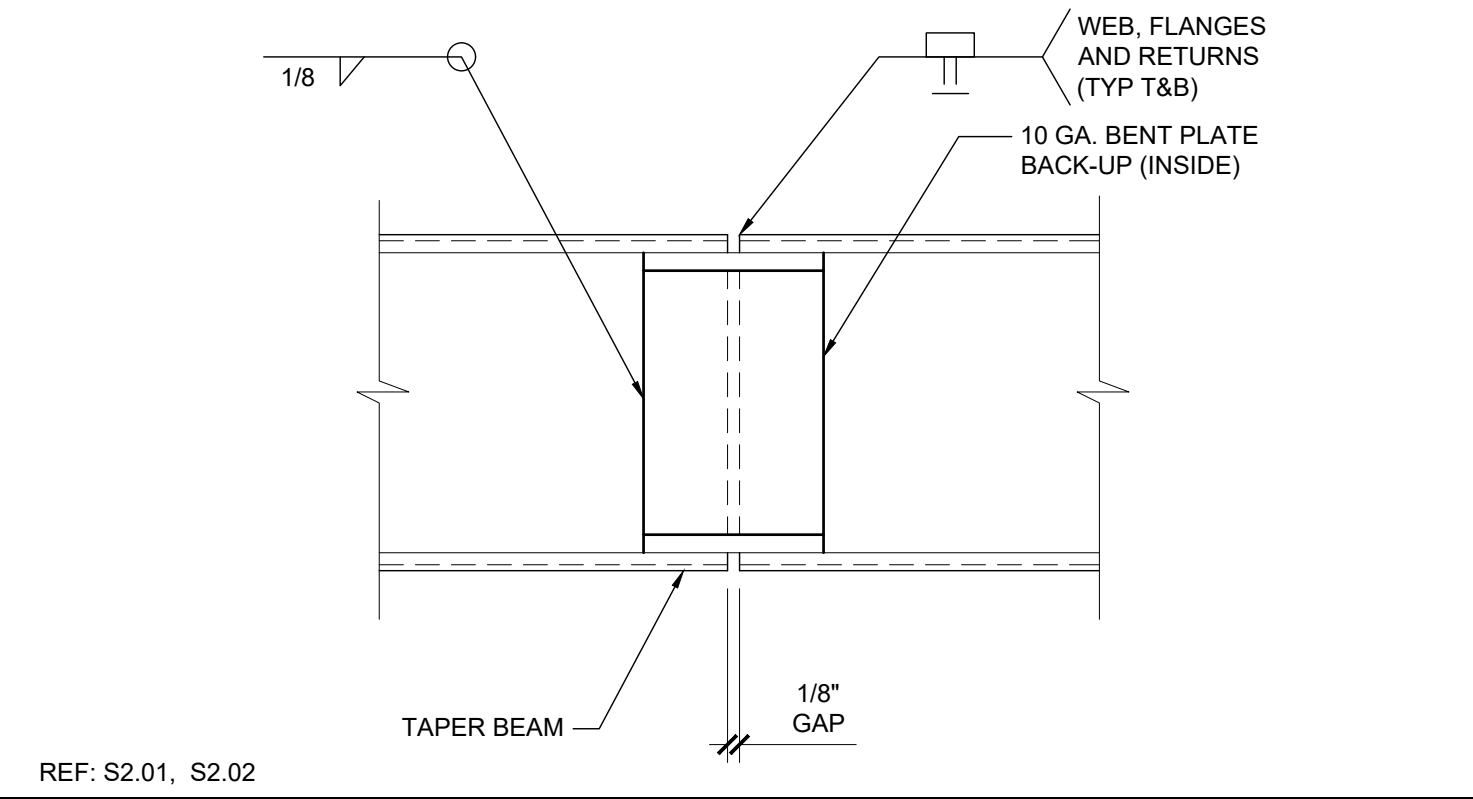
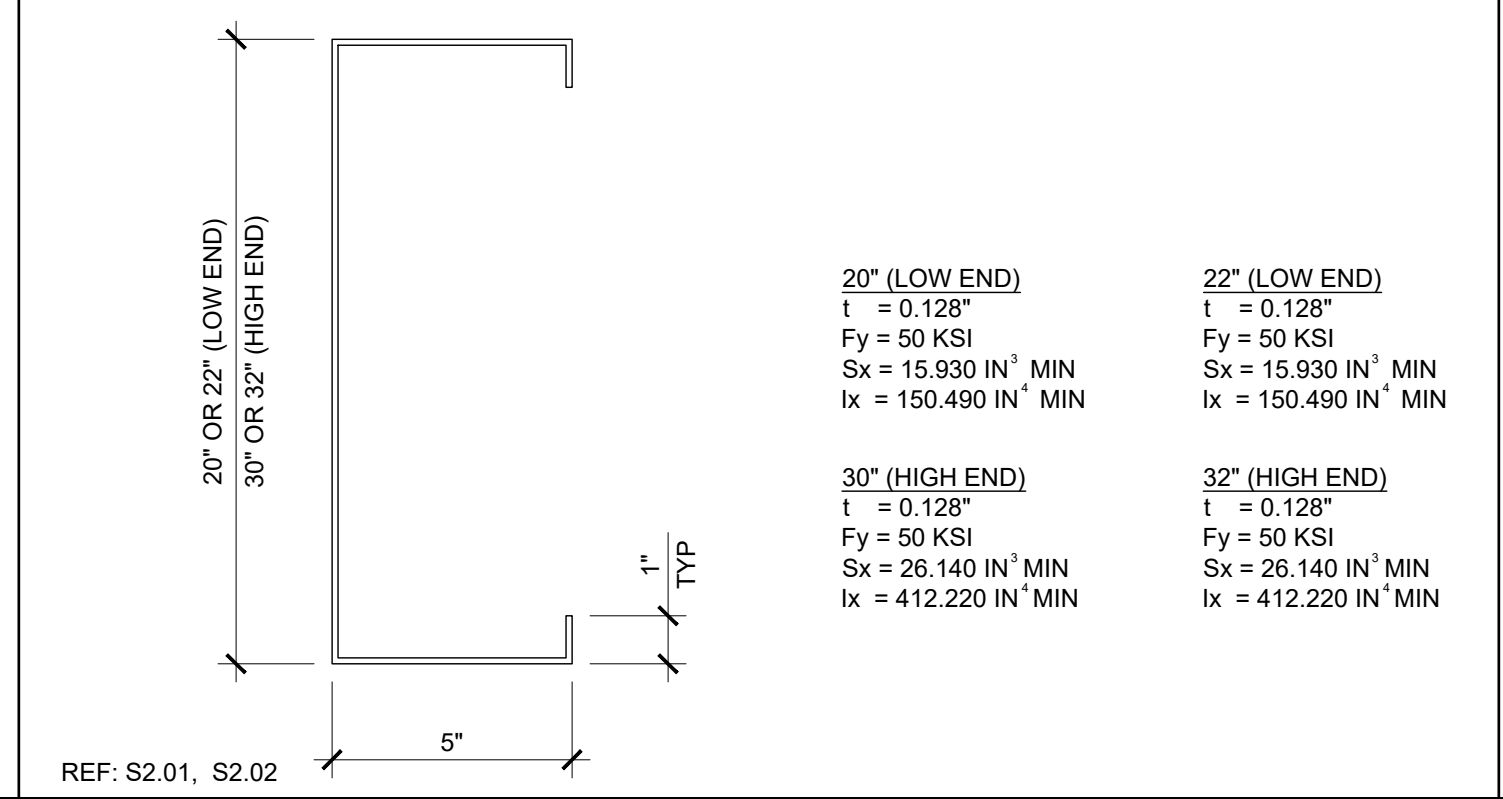


NOT USED

16 ROOF PURLIN PROFILES SCALE: 6"=1'-0" 11

TYPICAL PURLIN CONNECTION DETAIL SCALE: 3"=1'-0" 6

COLUMN AT ROOF - PLAN SCALE: 3"=1'-0" 1

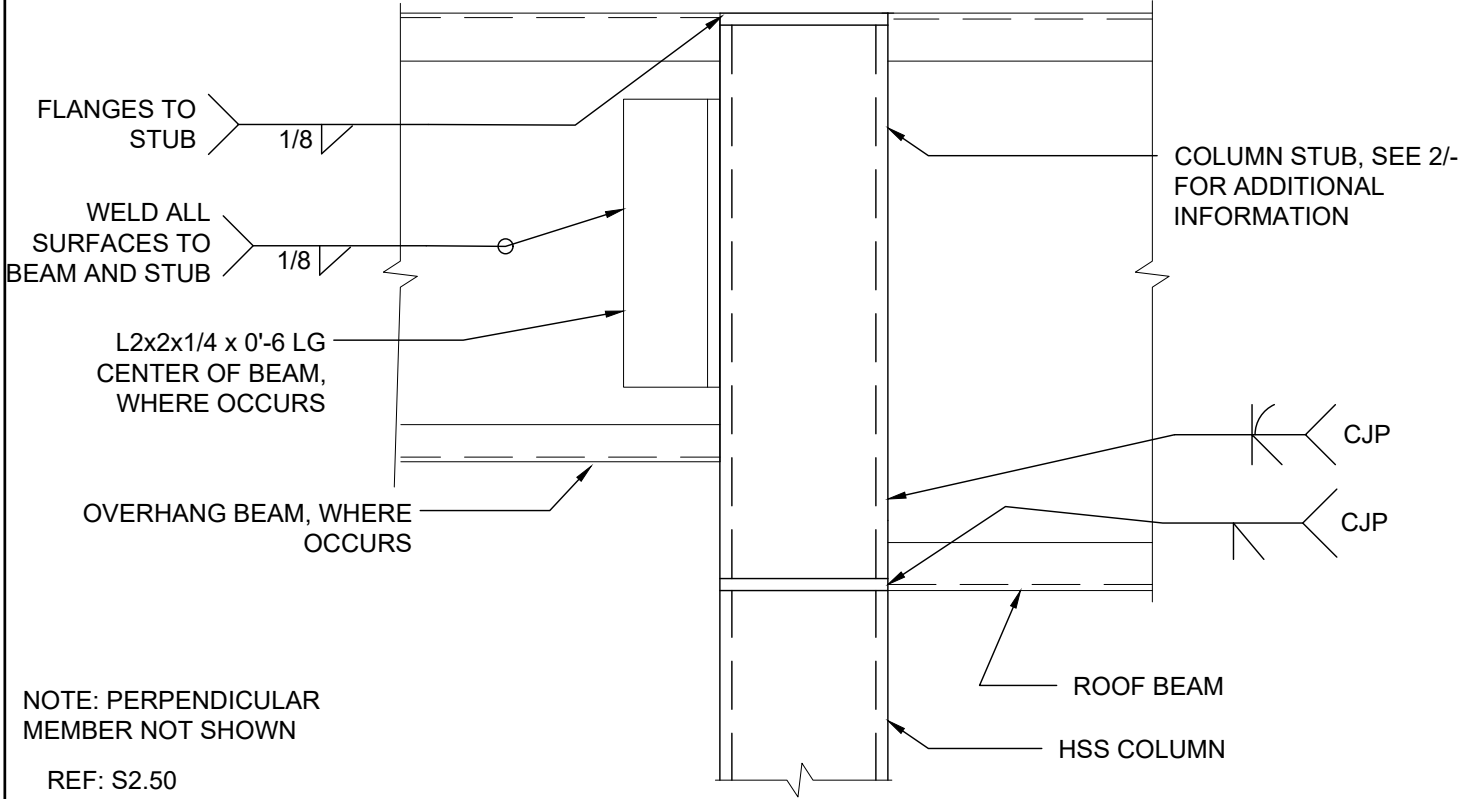
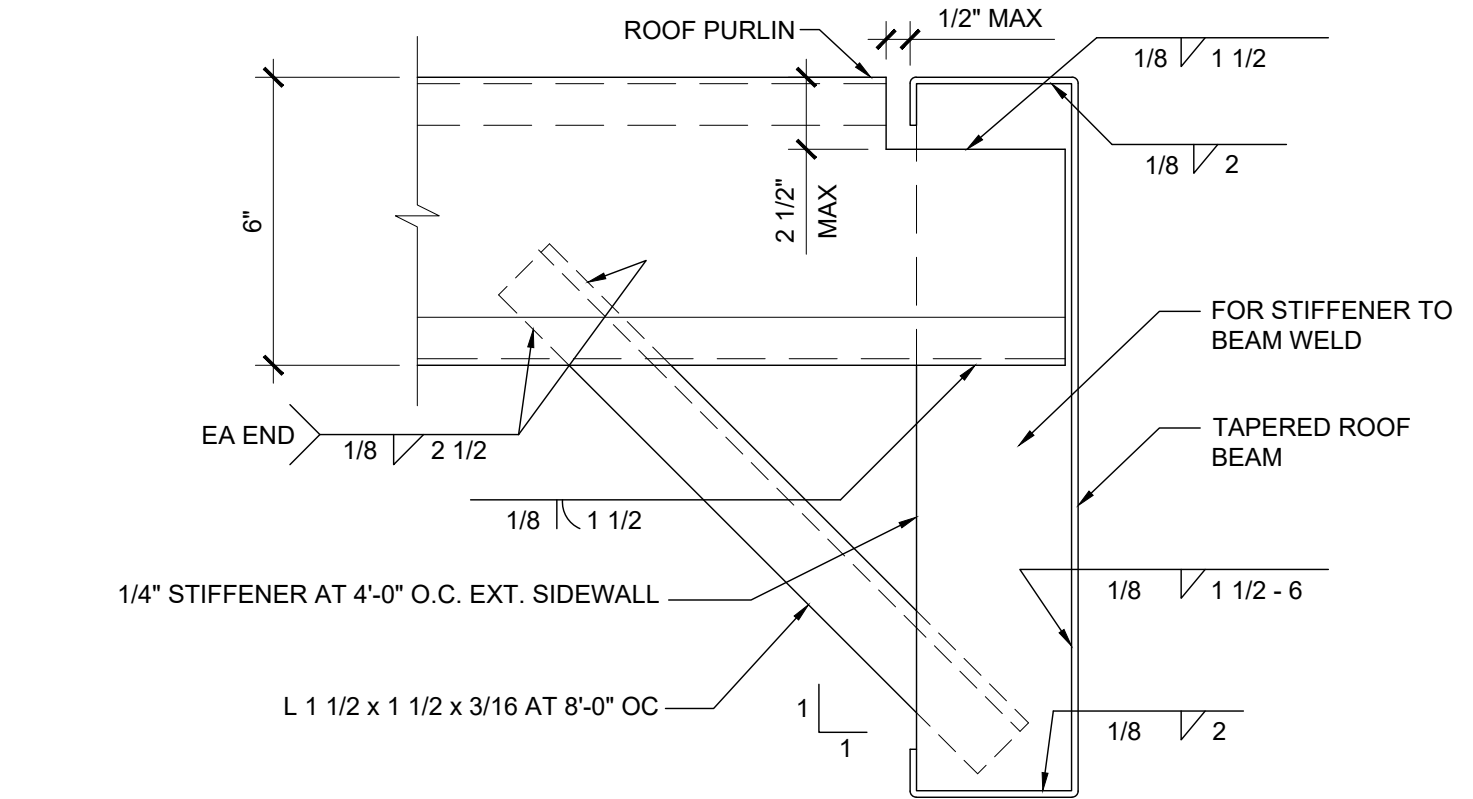
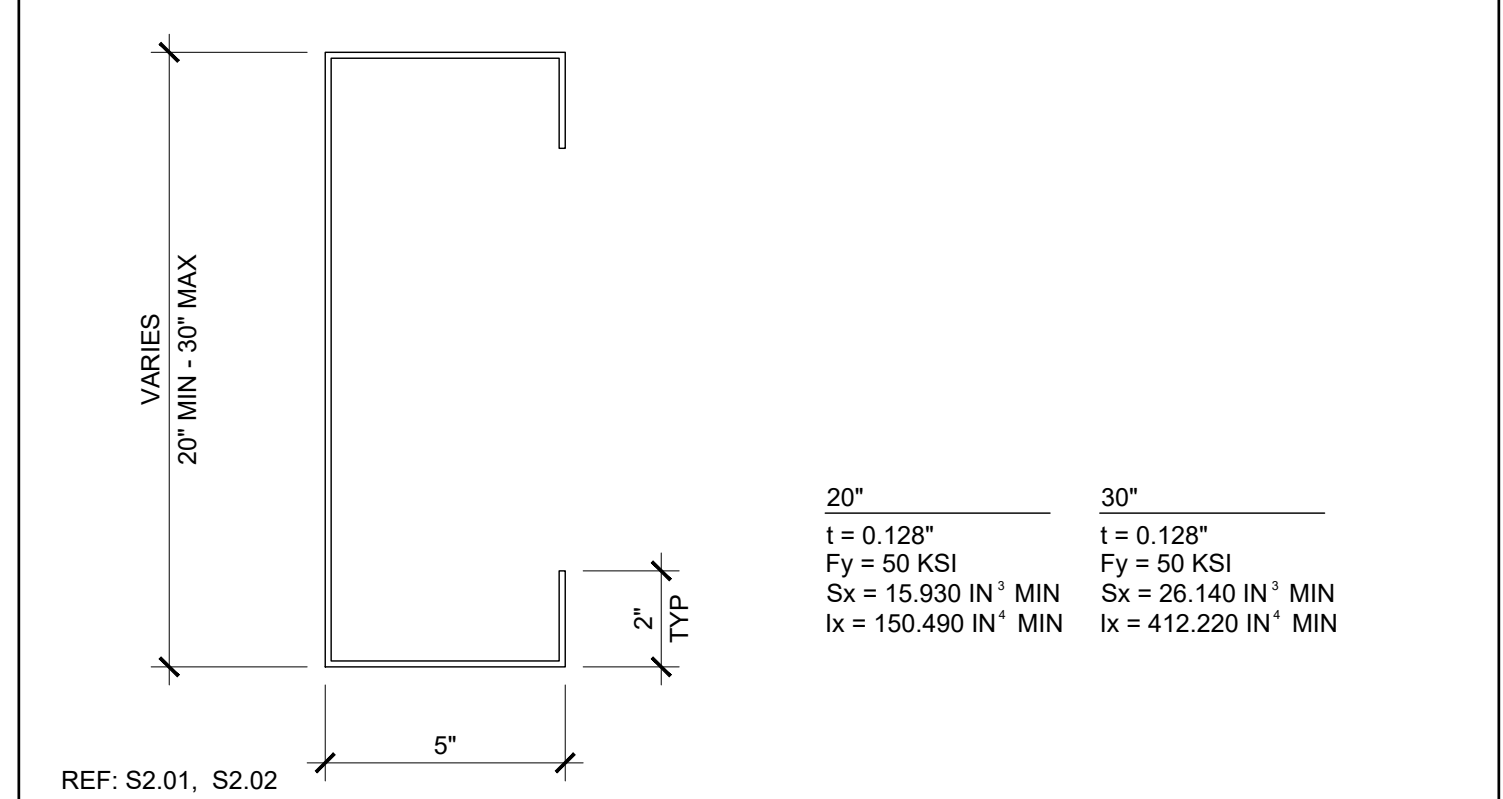


NOT USED

17 ROOF HEADER SCALE: NTS 12

BEAM SPLICE SCALE: 3"=1'-0" 7

COLUMN AT ROOF - SECTION SCALE: 3"=1'-0" 2

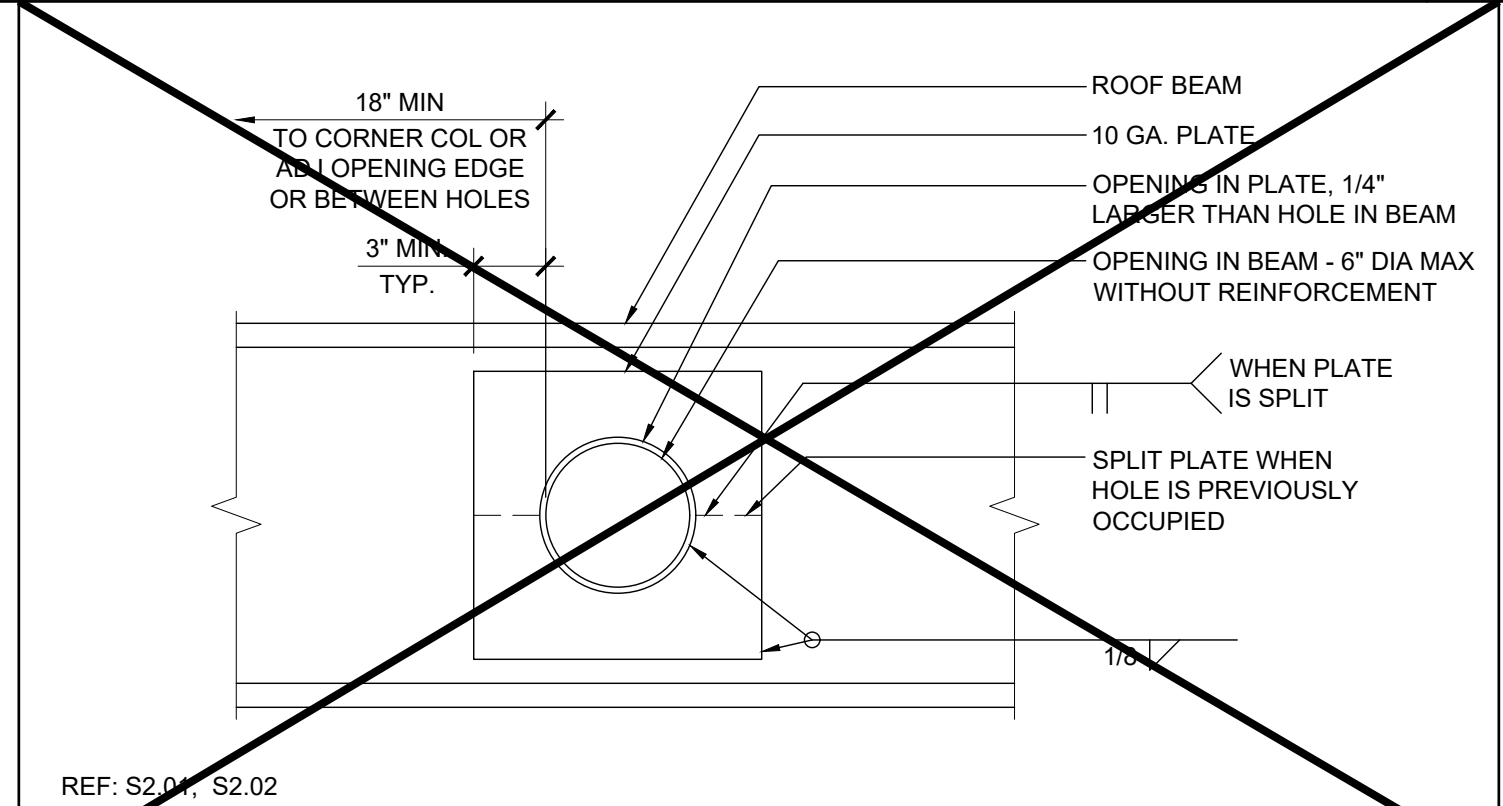


NOT USED

18 SIDE BEAM SCALE: NTS 13

PURLIN TO ROOF BEAM @ STIFFENER SCALE: 3"=1'-0" 8

COLUMN AT ROOF OVERHANG SCALE: 3"=1'-0" 3

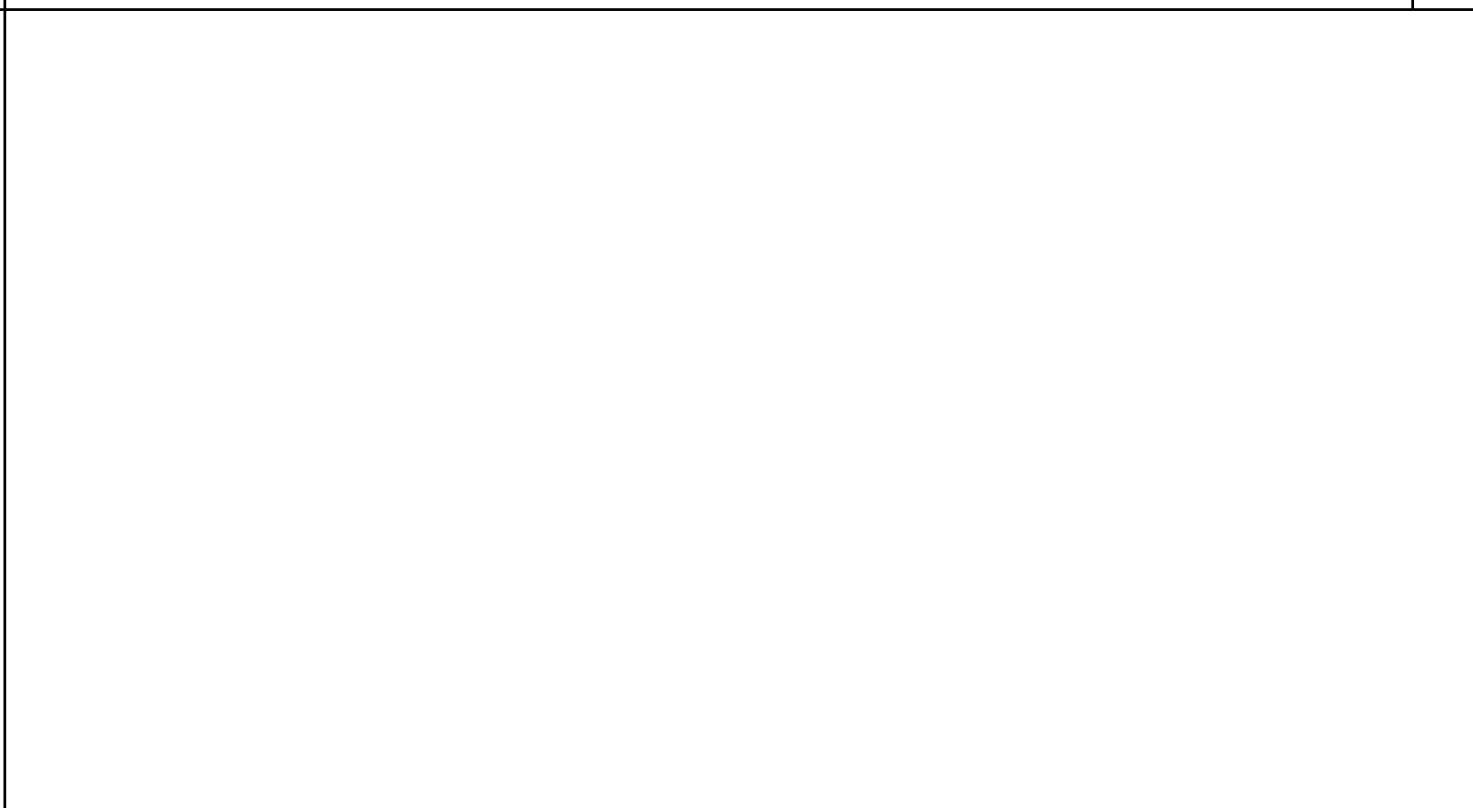
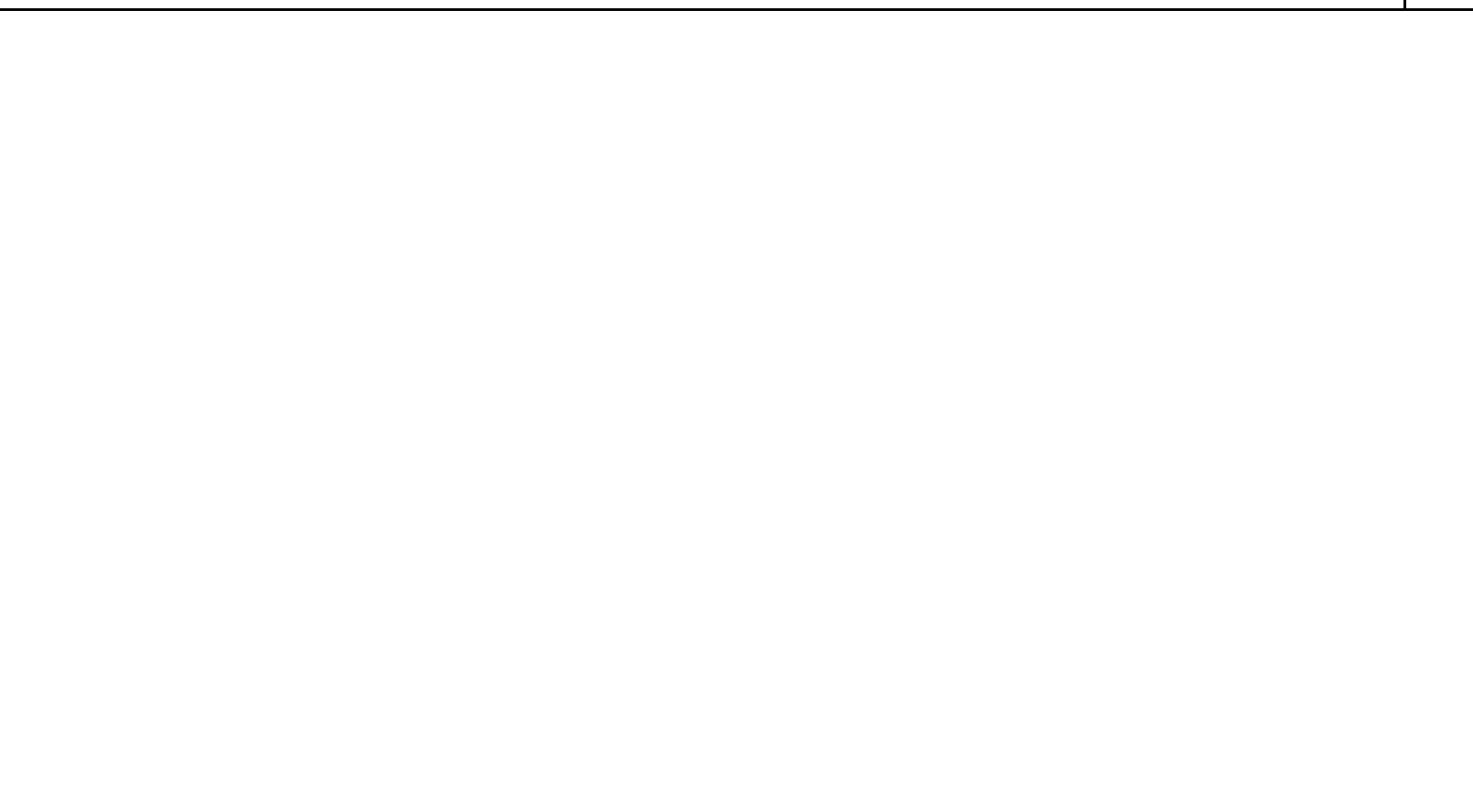
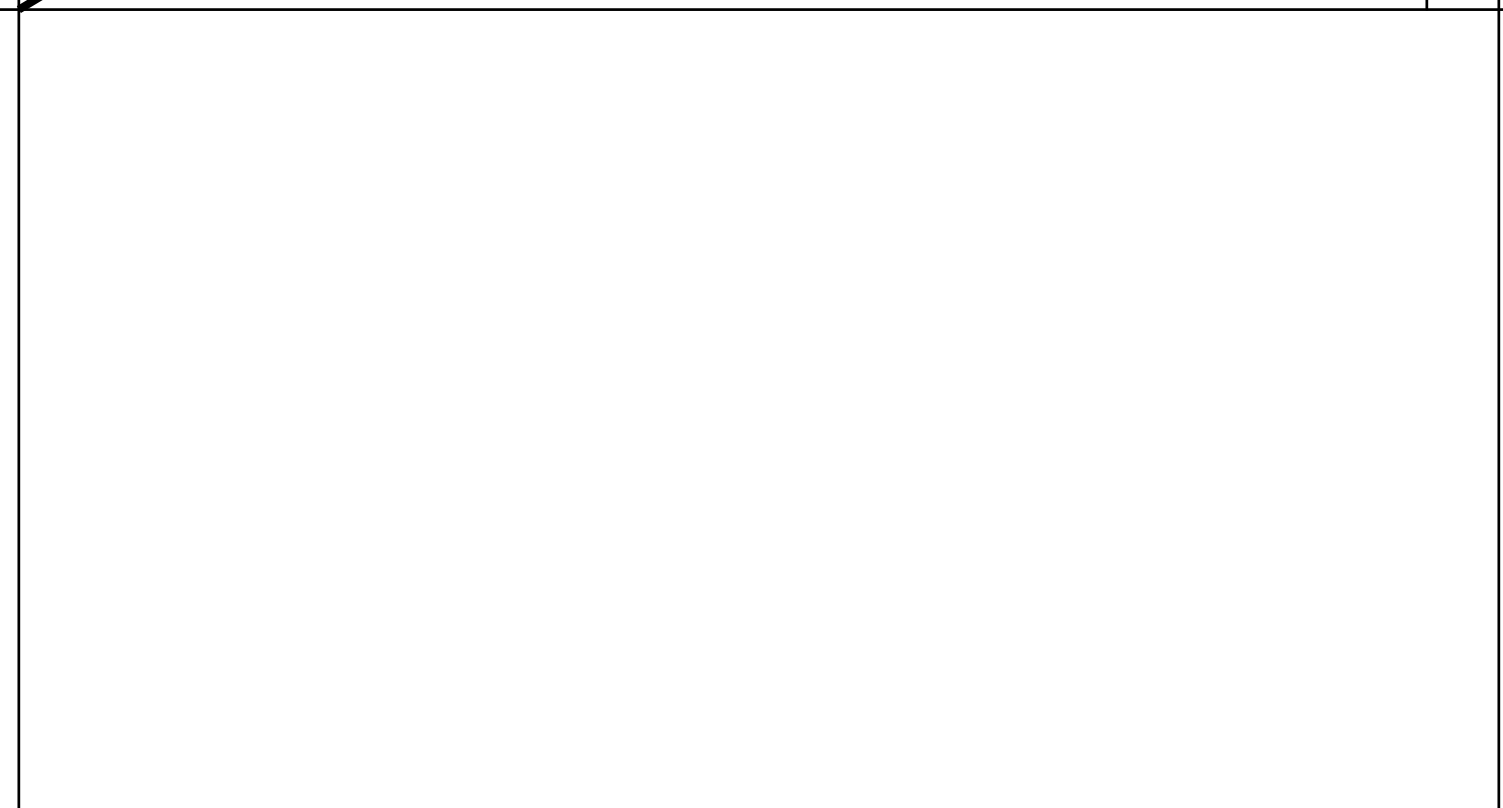
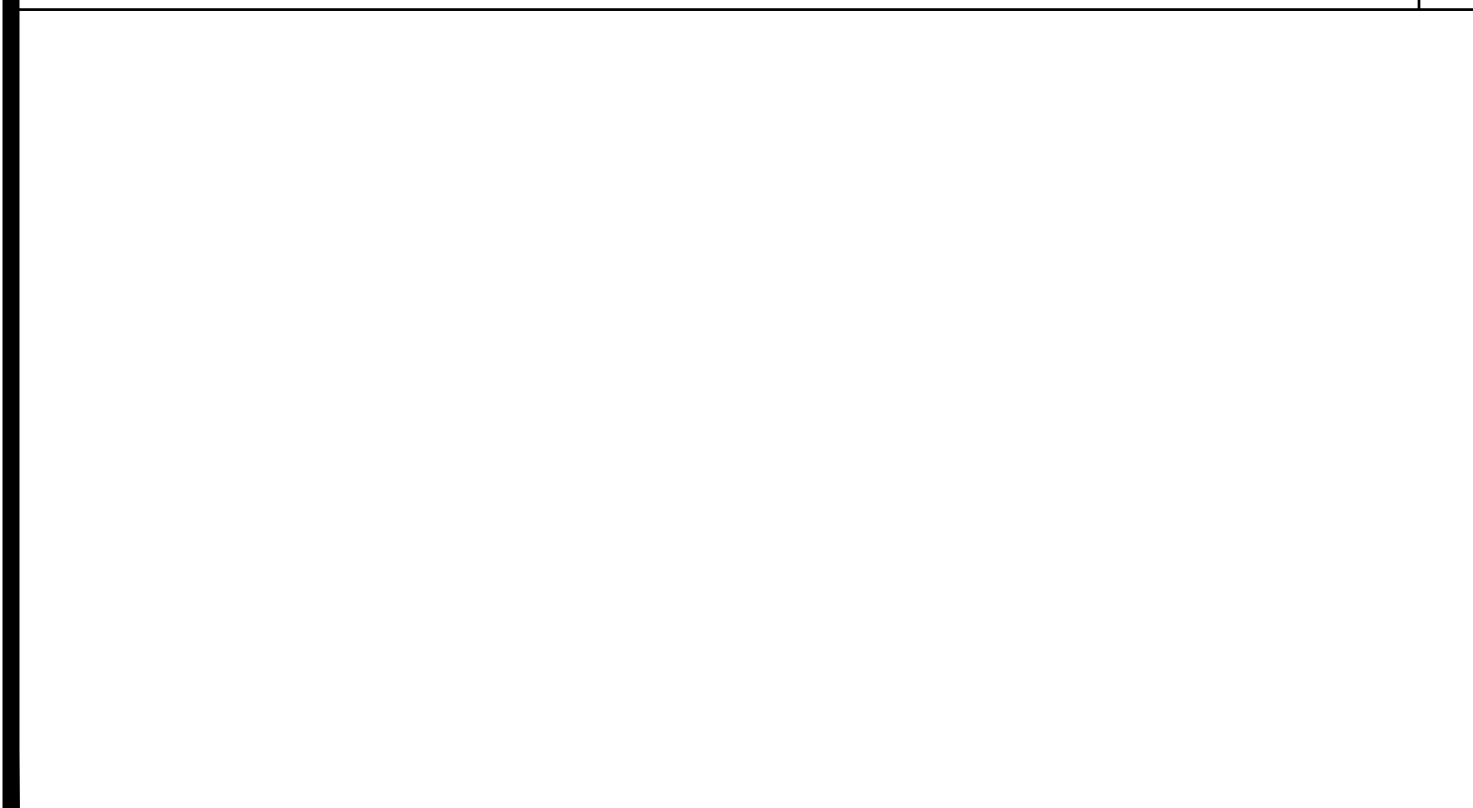


NOT USED

19 SIDEWALL BEAM PENETRATION SCALE: 1 1/2"=1'-0" 14

NOT USED

NOT USED



NOT USED

20 NOT USED

NOT USED

NOT USED

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**ROOF FRAMING
DETAILS
MONO SLOPE**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

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

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARBUCK
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:

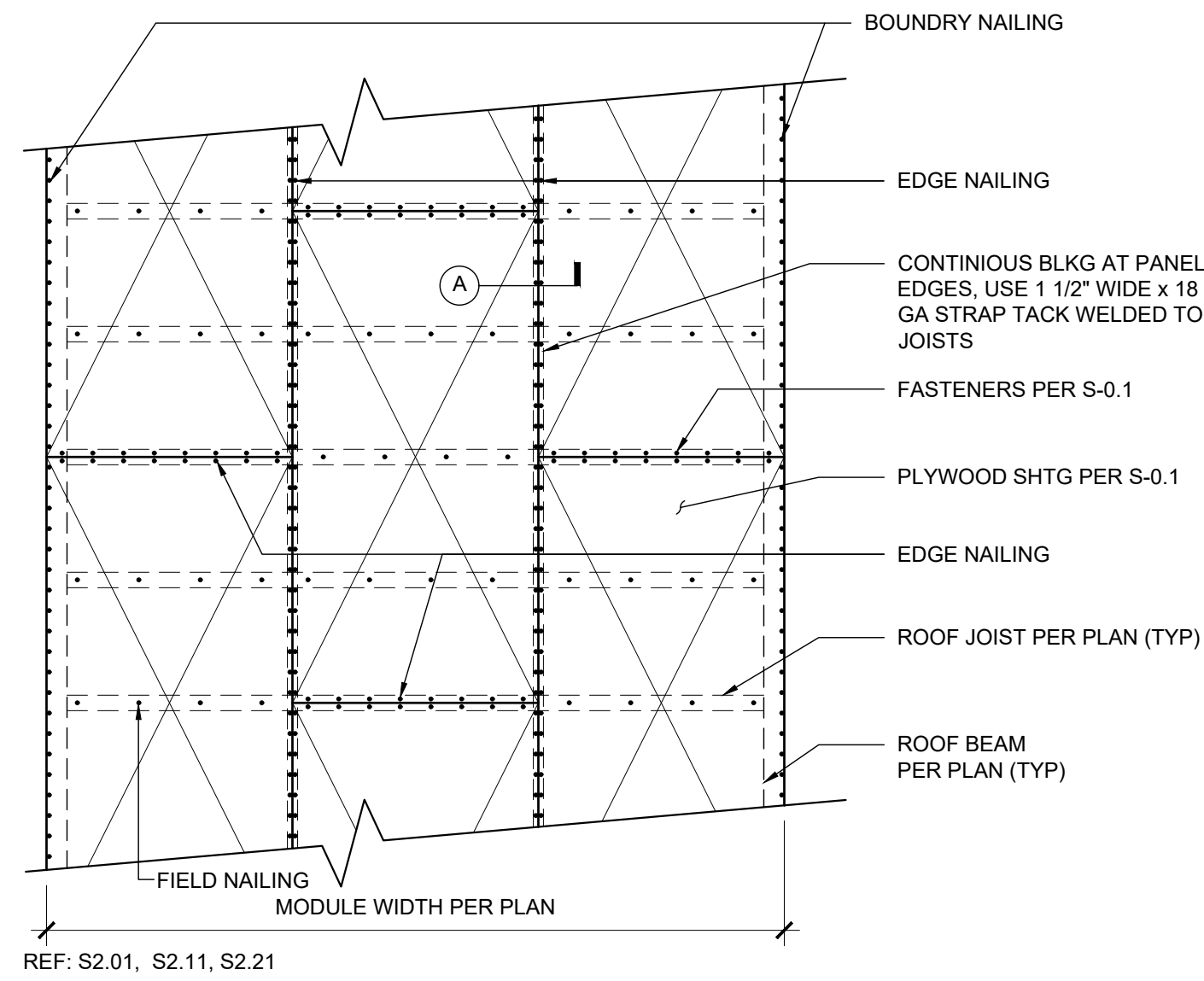
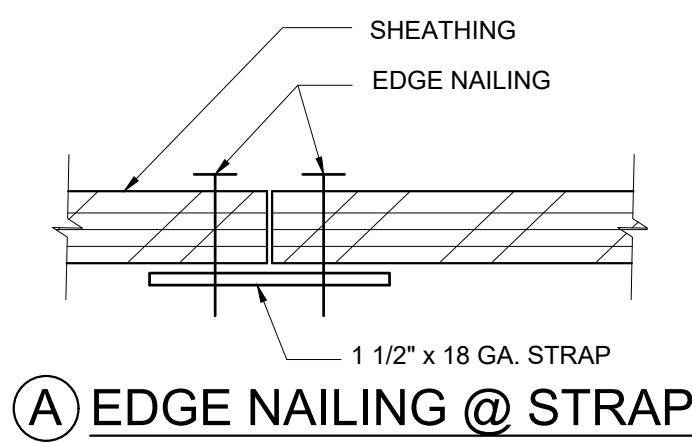
DRAWN BY:

SCALE: AS NOTED

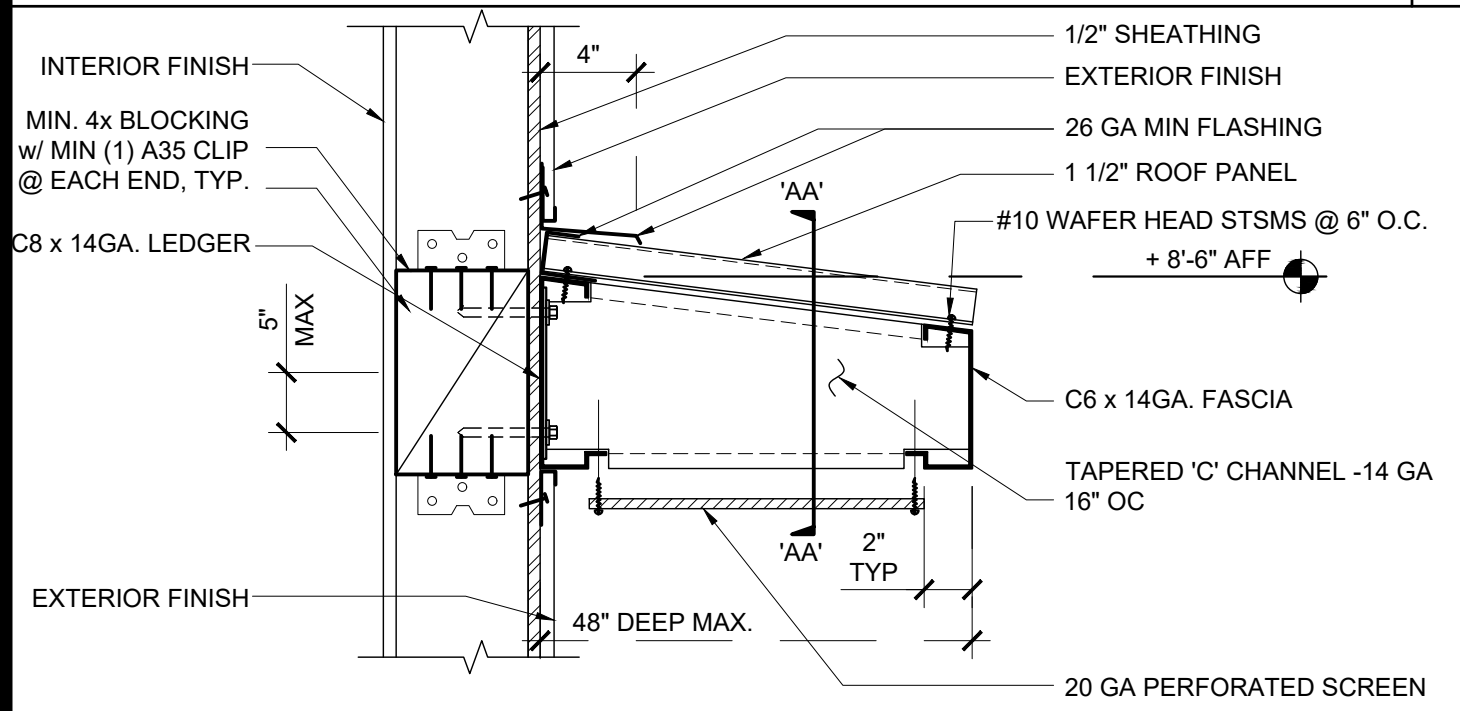
DATE: 06-22-2020

P.C. SHEET NUMBER

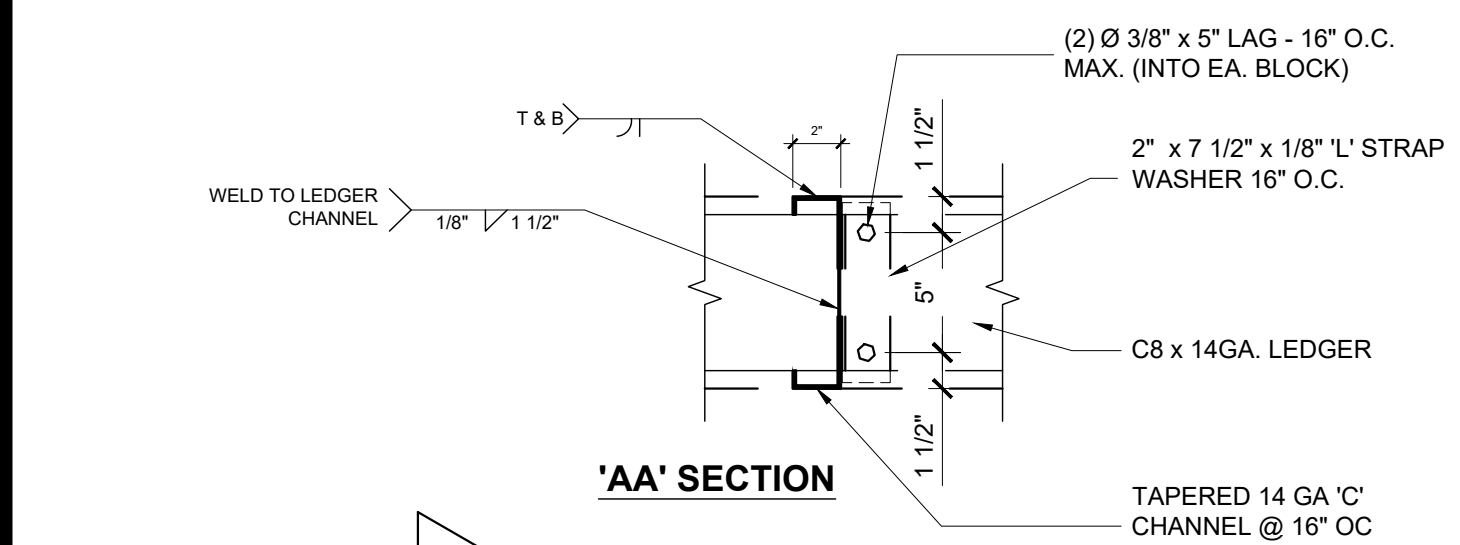
S-2.50



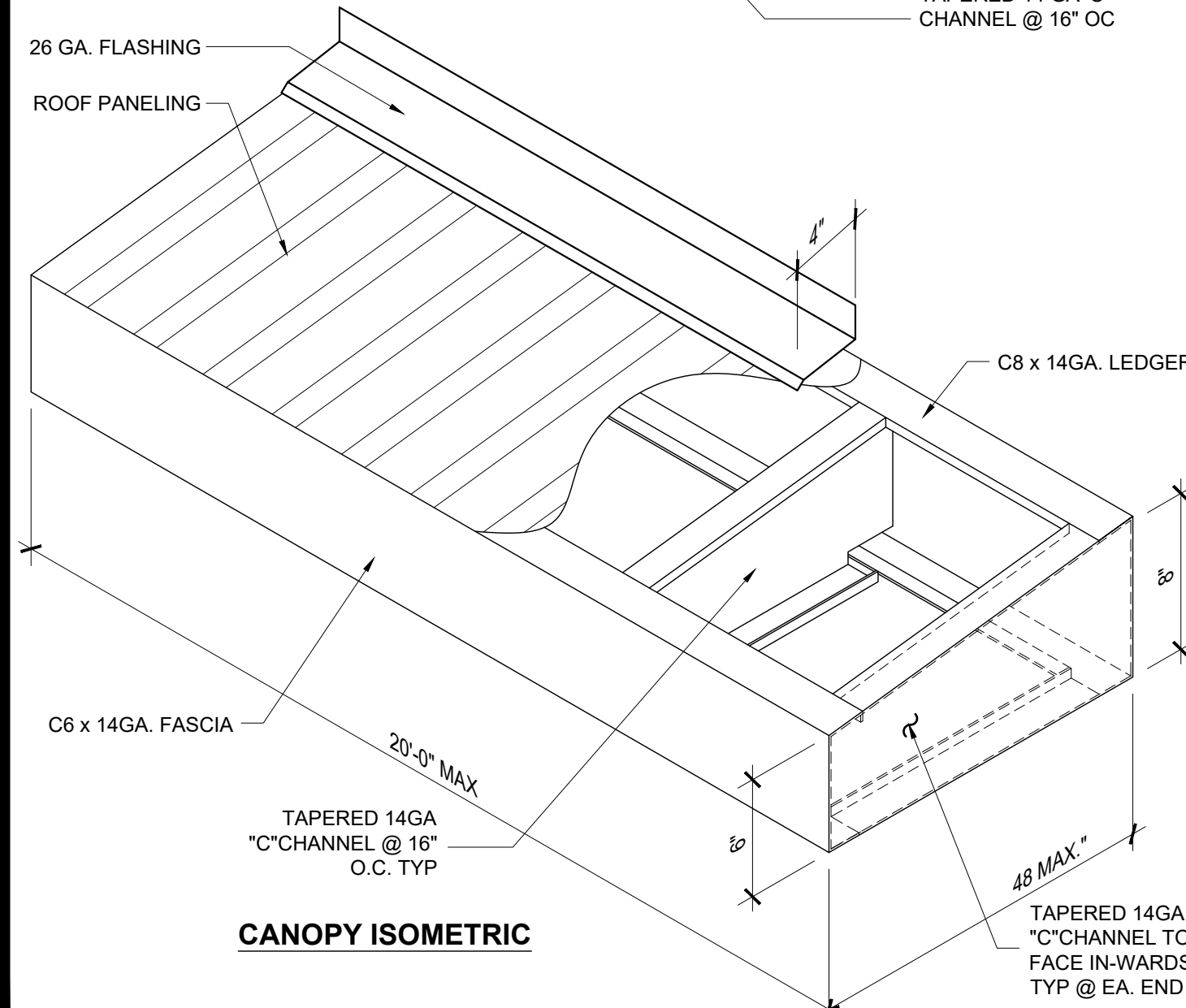
ROOF SHEATHING INSTALLATION SCALE: 3/8" = 1'-0" 17



CANOPY SECTION

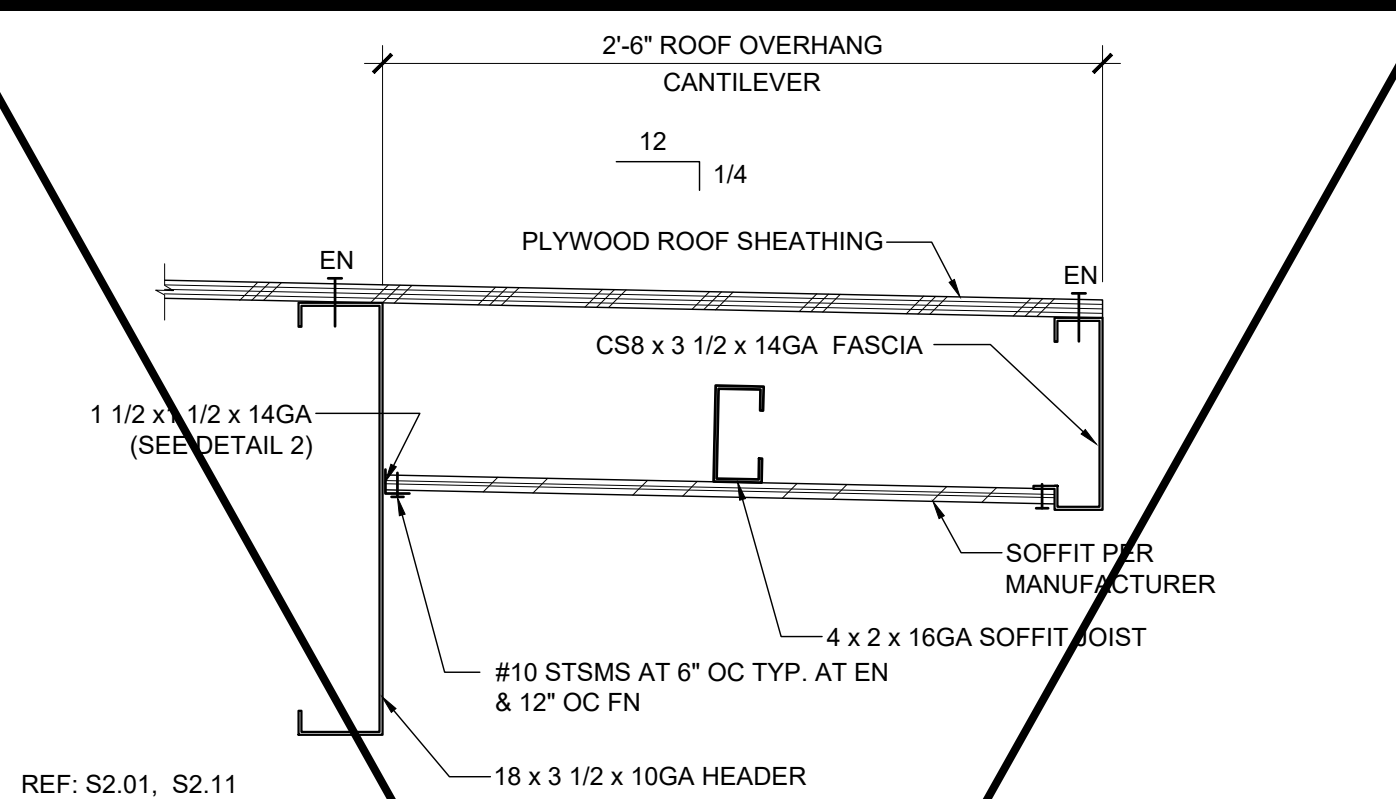


'AA' SECTION

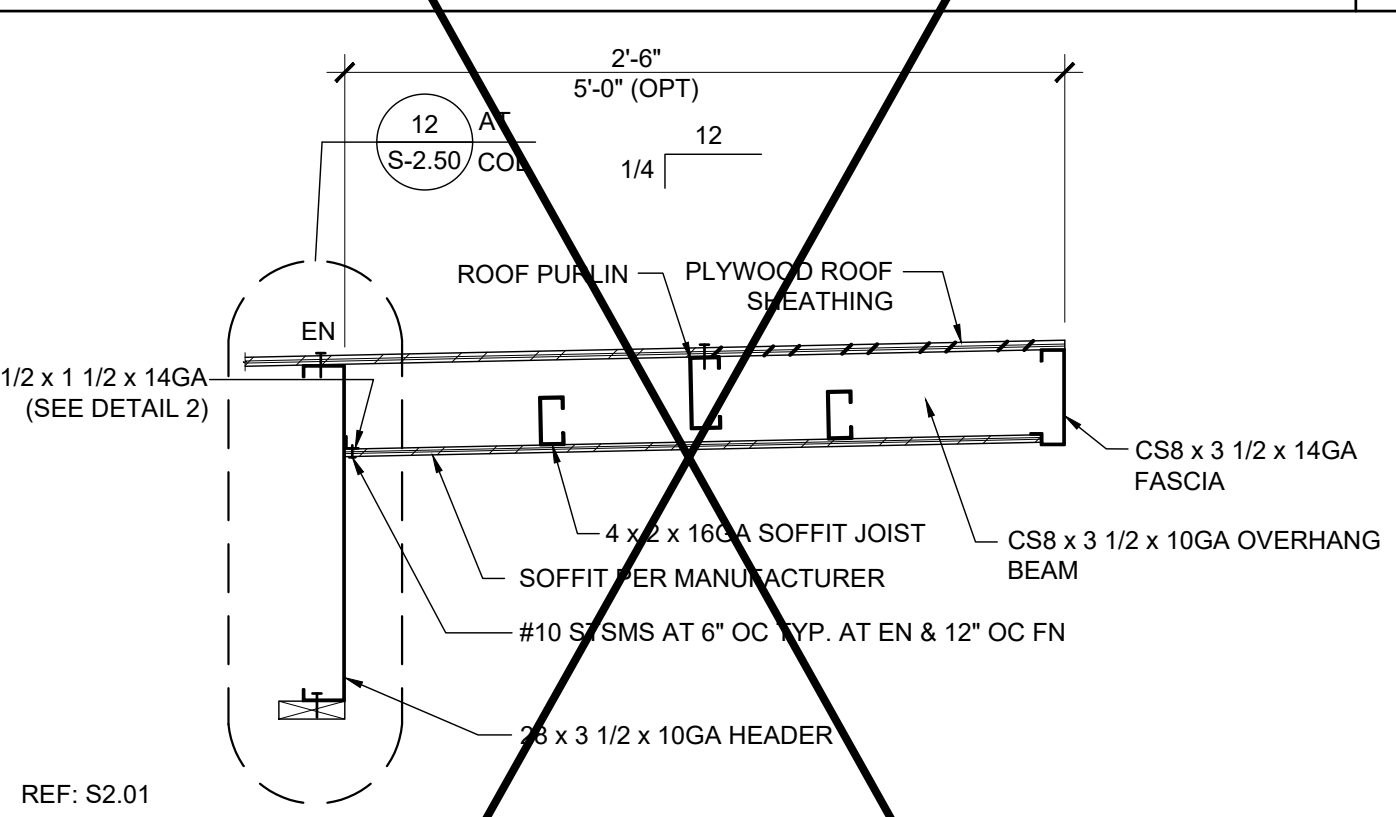


CANOPY ISOMETRIC

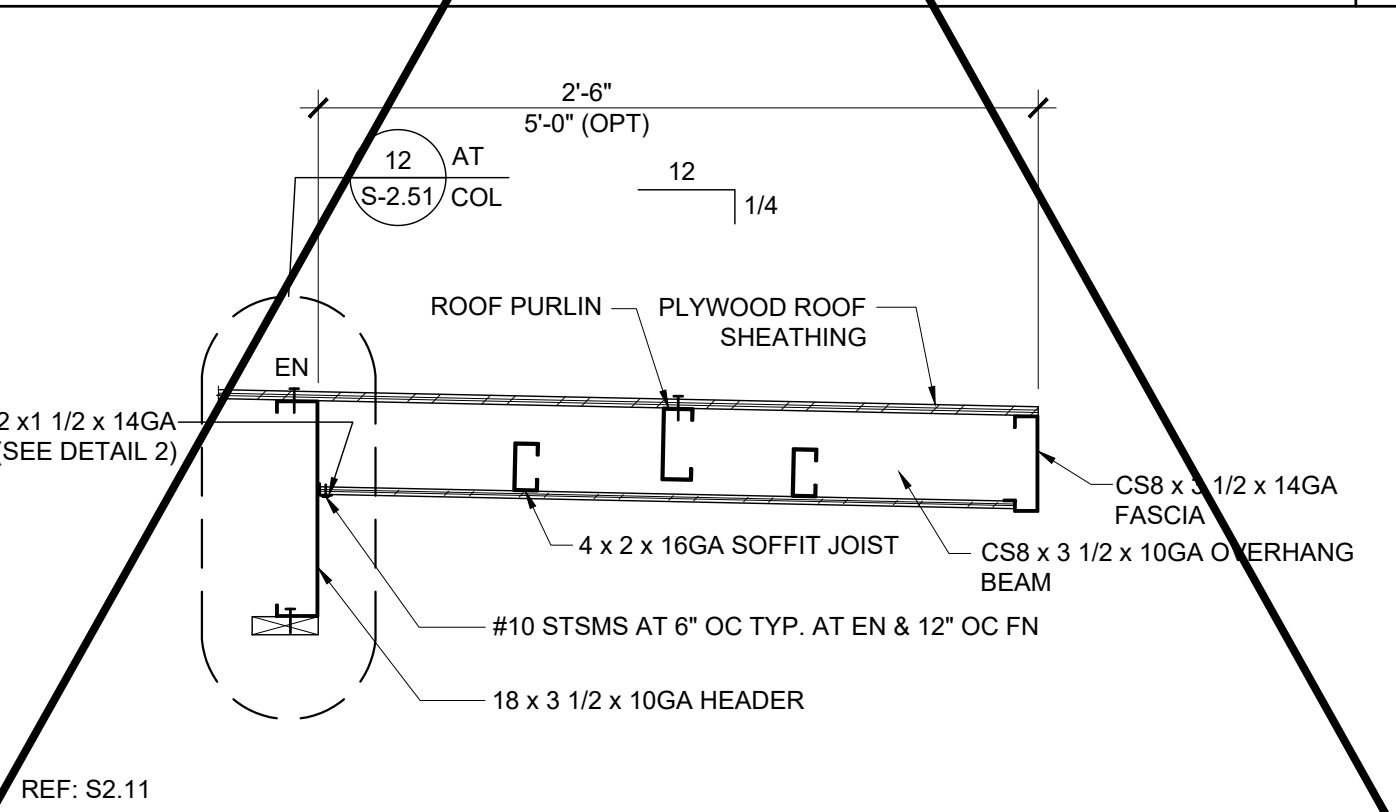
OPTIONAL CANOPY SCALE: 1 1/2" = 1'-0" 20



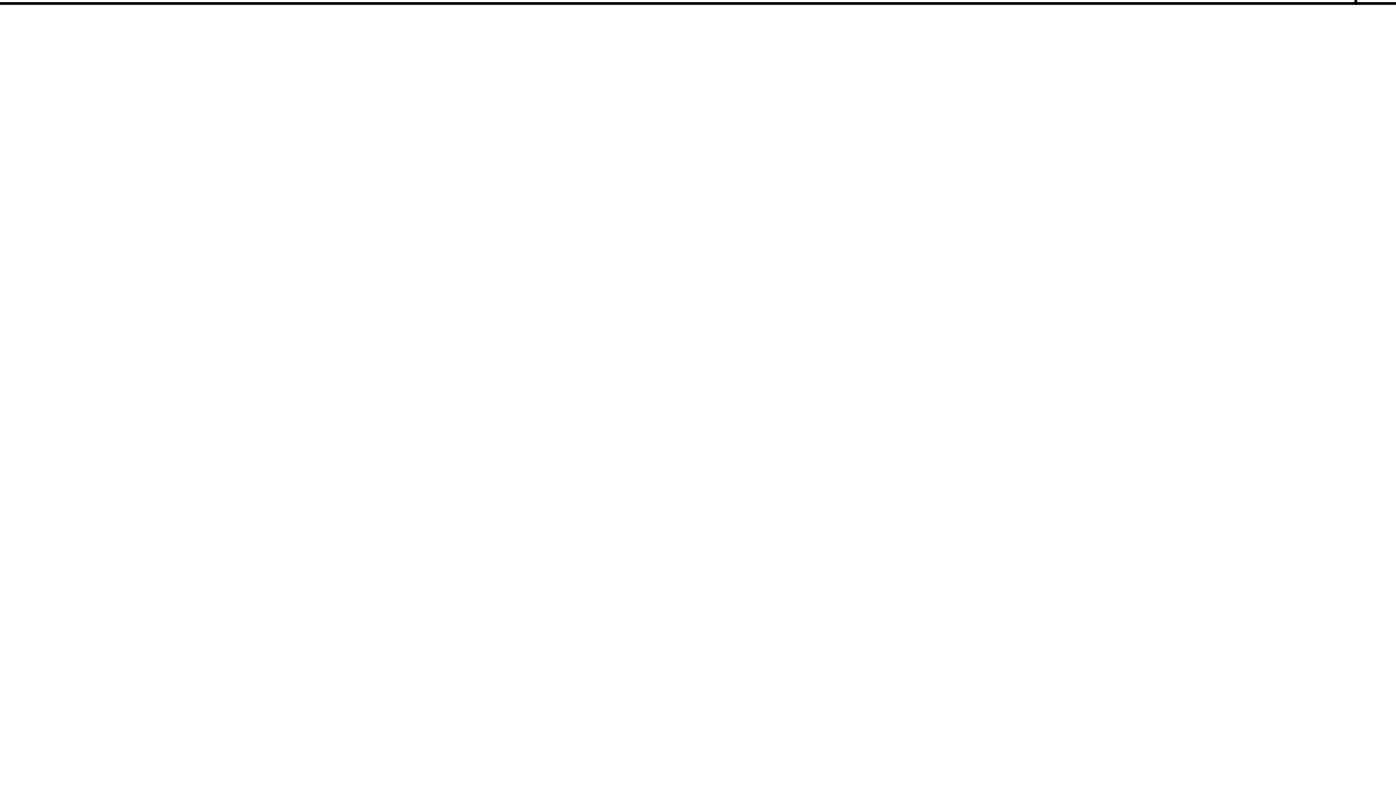
REAR OVERHANG SECTION SCALE: 1 1/2" = 1'-0" 11



FRONT OVERHANG SECTION - MONO SLOPE SCALE: 3/4" = 1'-0" 12



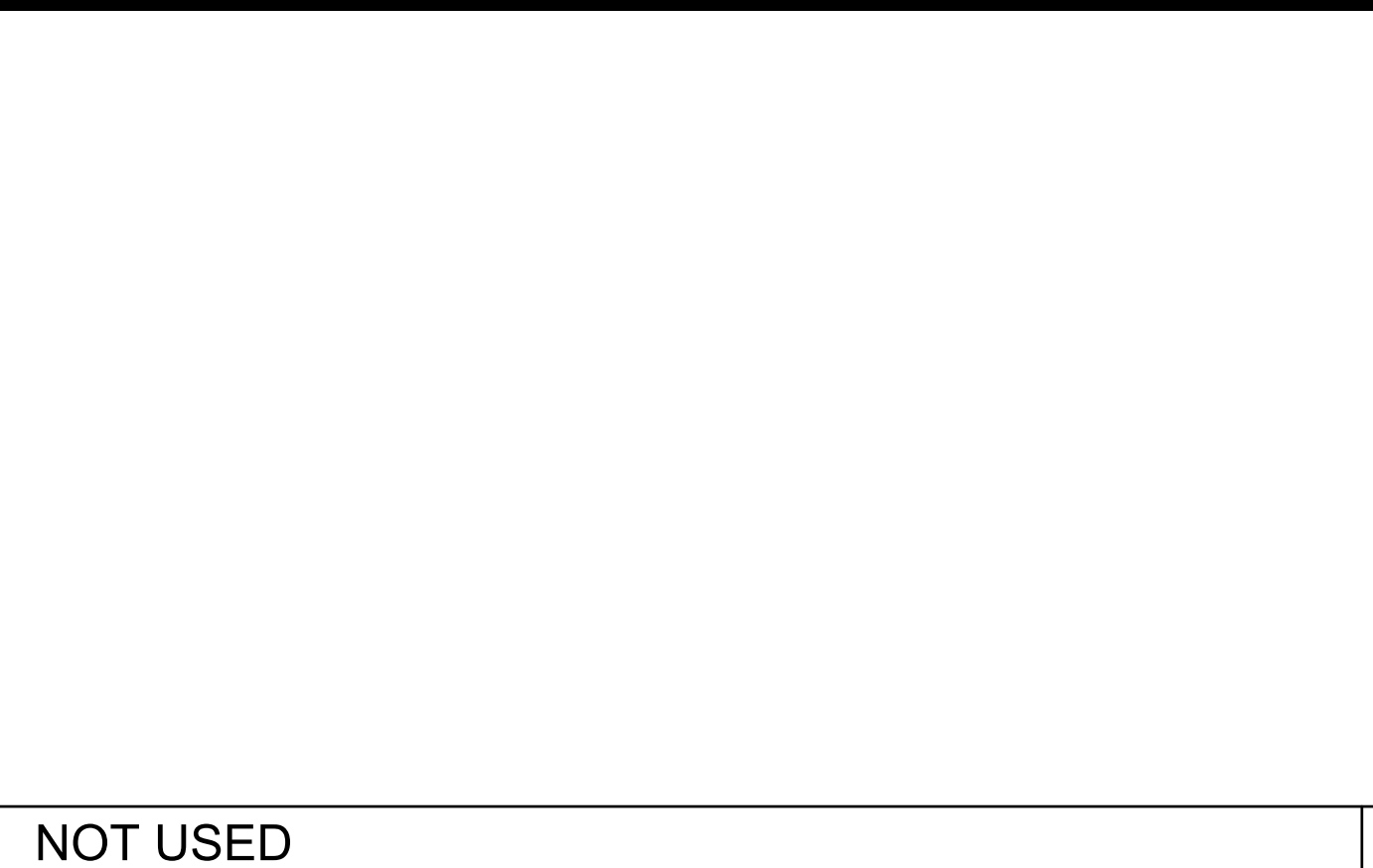
FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0" 13



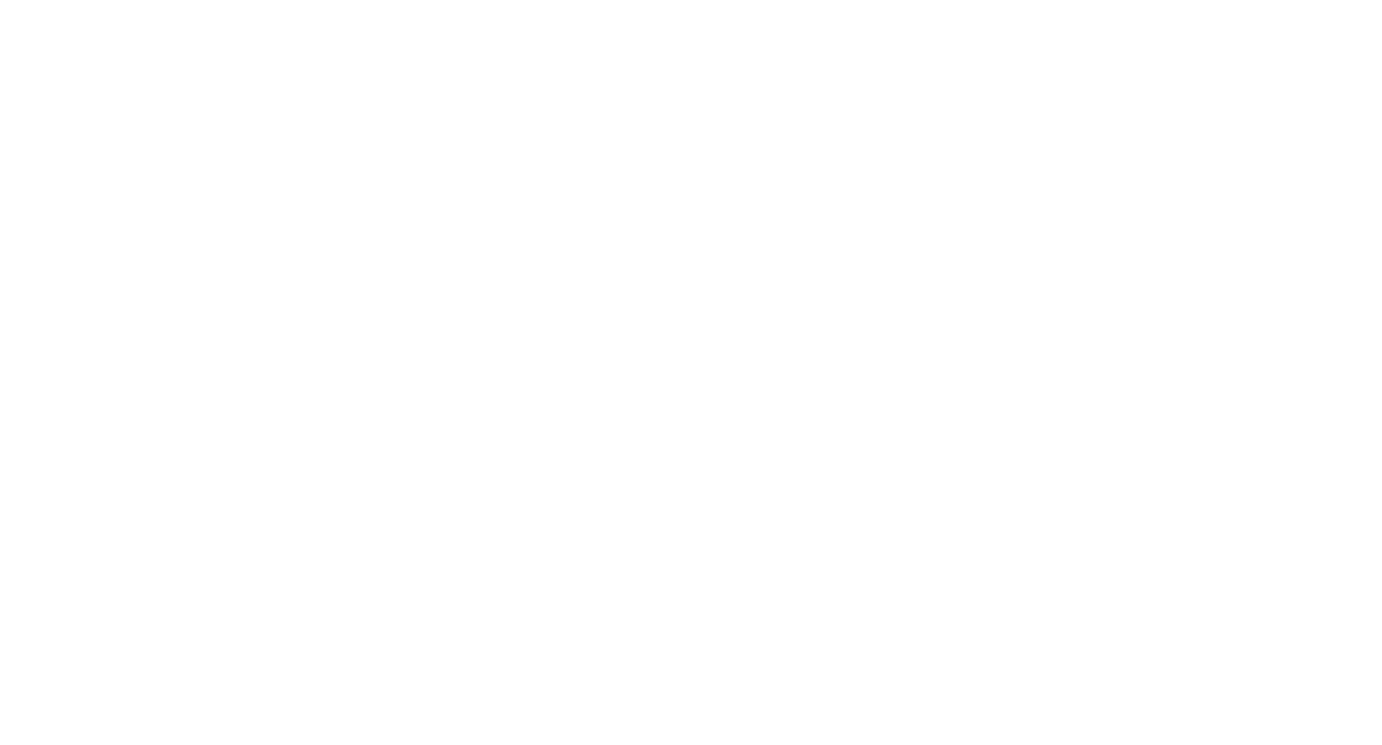
NOT USED SCALE: 1 1/2" = 1'-0" 14



NOT USED SCALE: 1 1/2" = 1'-0" 15



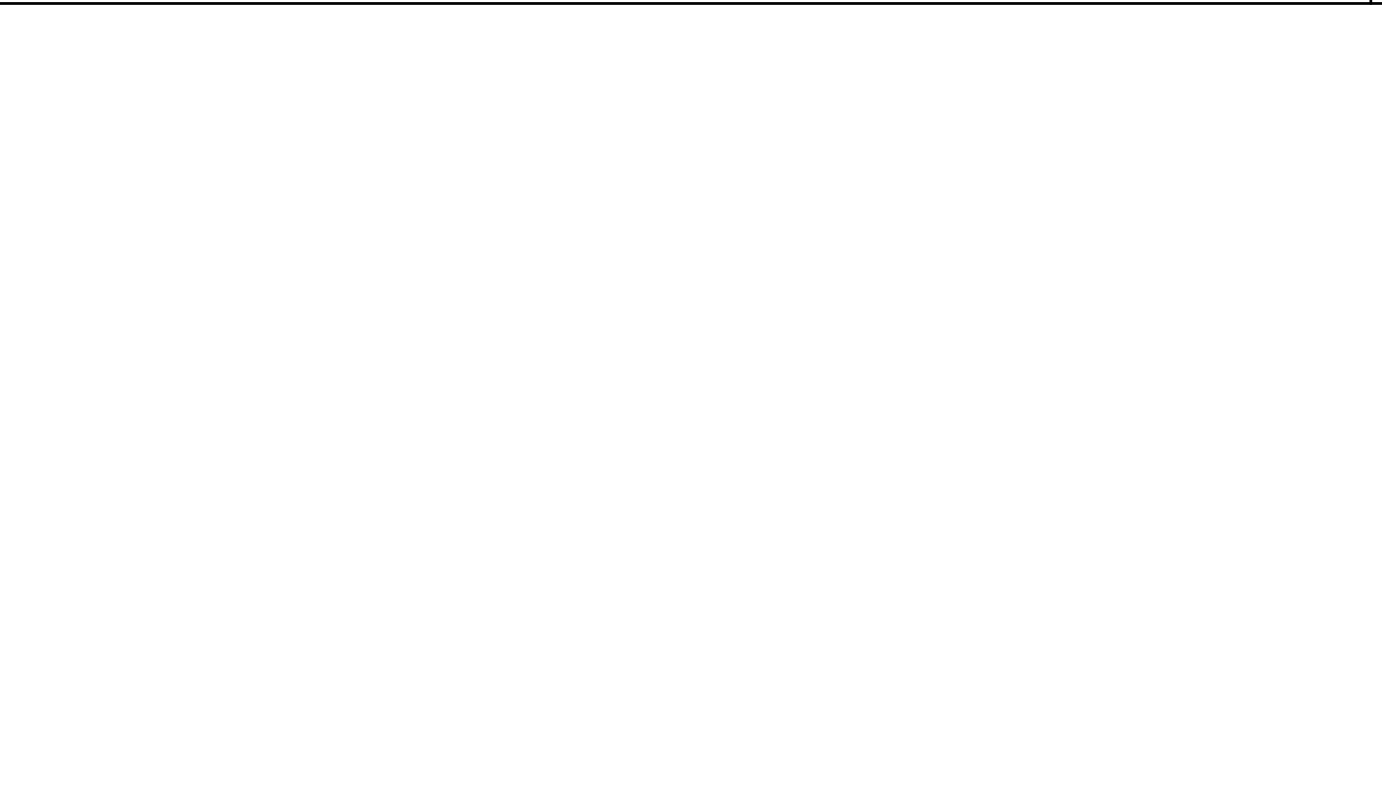
NOT USED SCALE: 1 1/2" = 1'-0" 6



NOT USED SCALE: 3/4" = 1'-0" 7



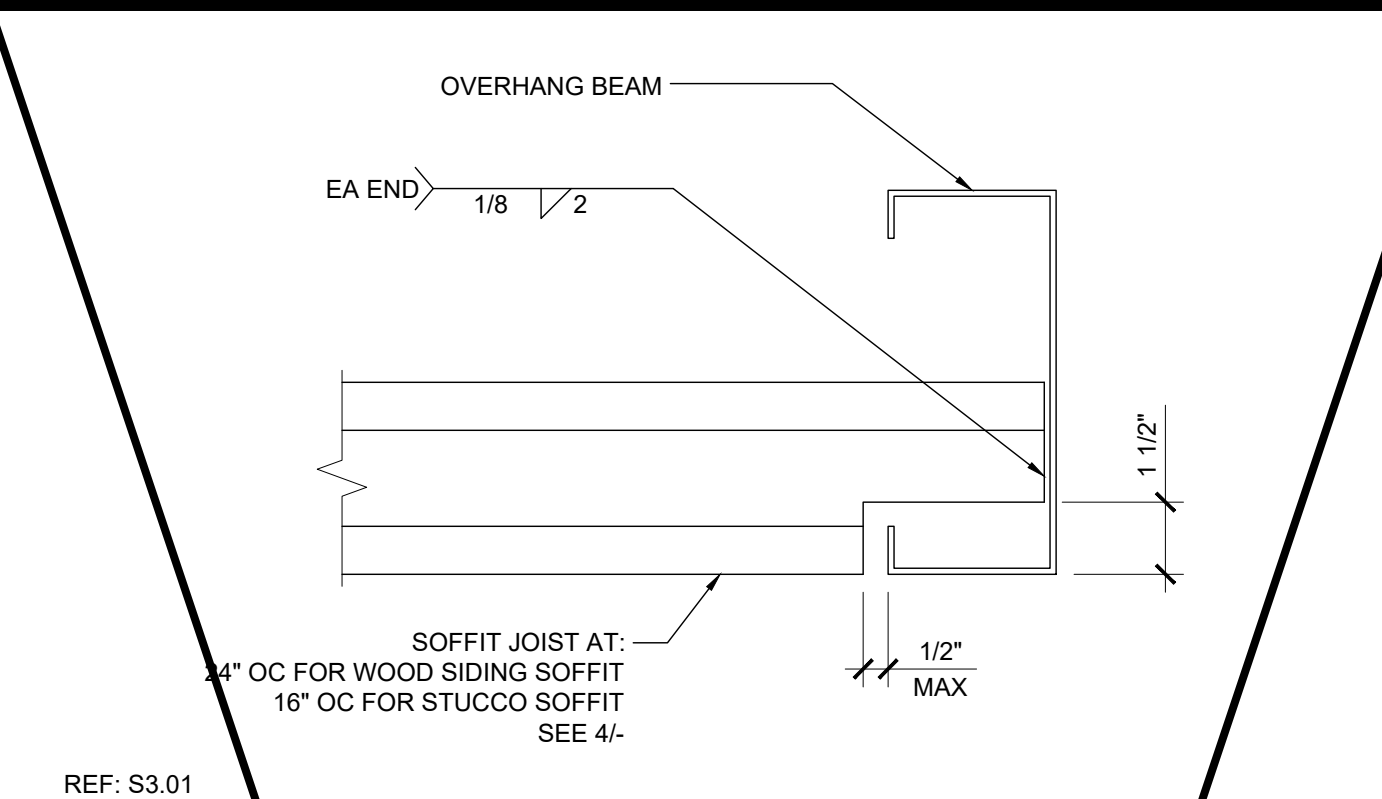
NOT USED SCALE: 3/4" = 1'-0" 8



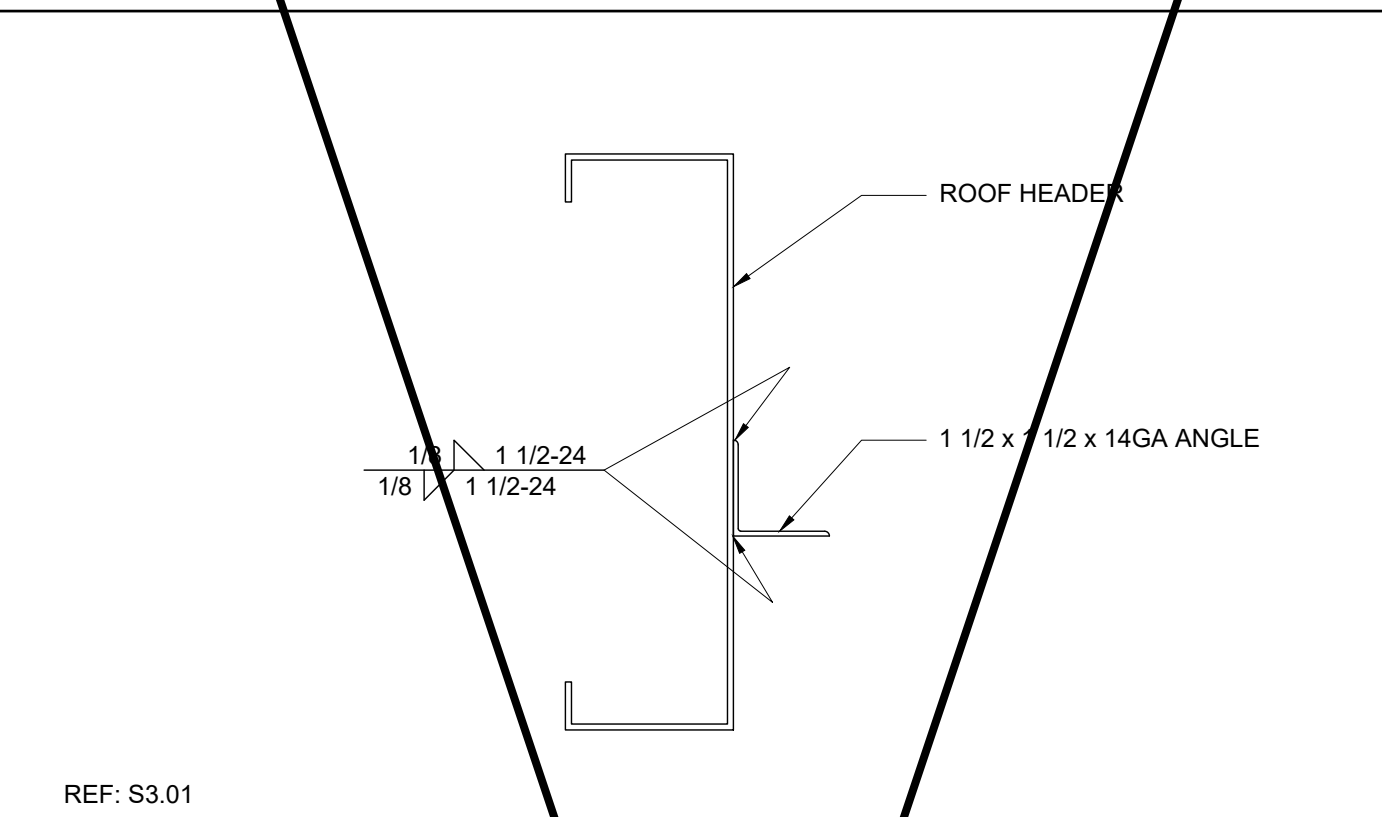
NOT USED SCALE: 6" = 1'-0" 9



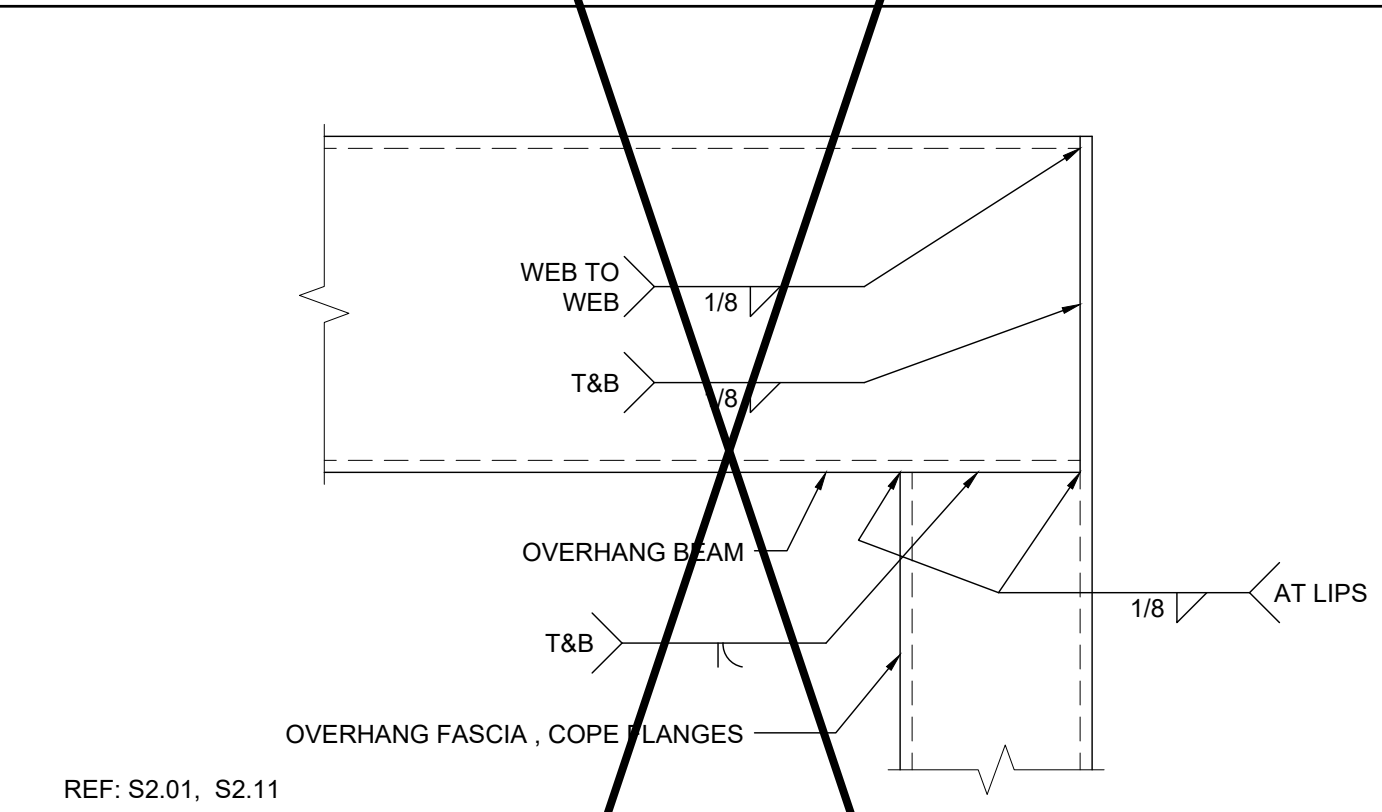
NOT USED SCALE: 3" = 1'-0" 10



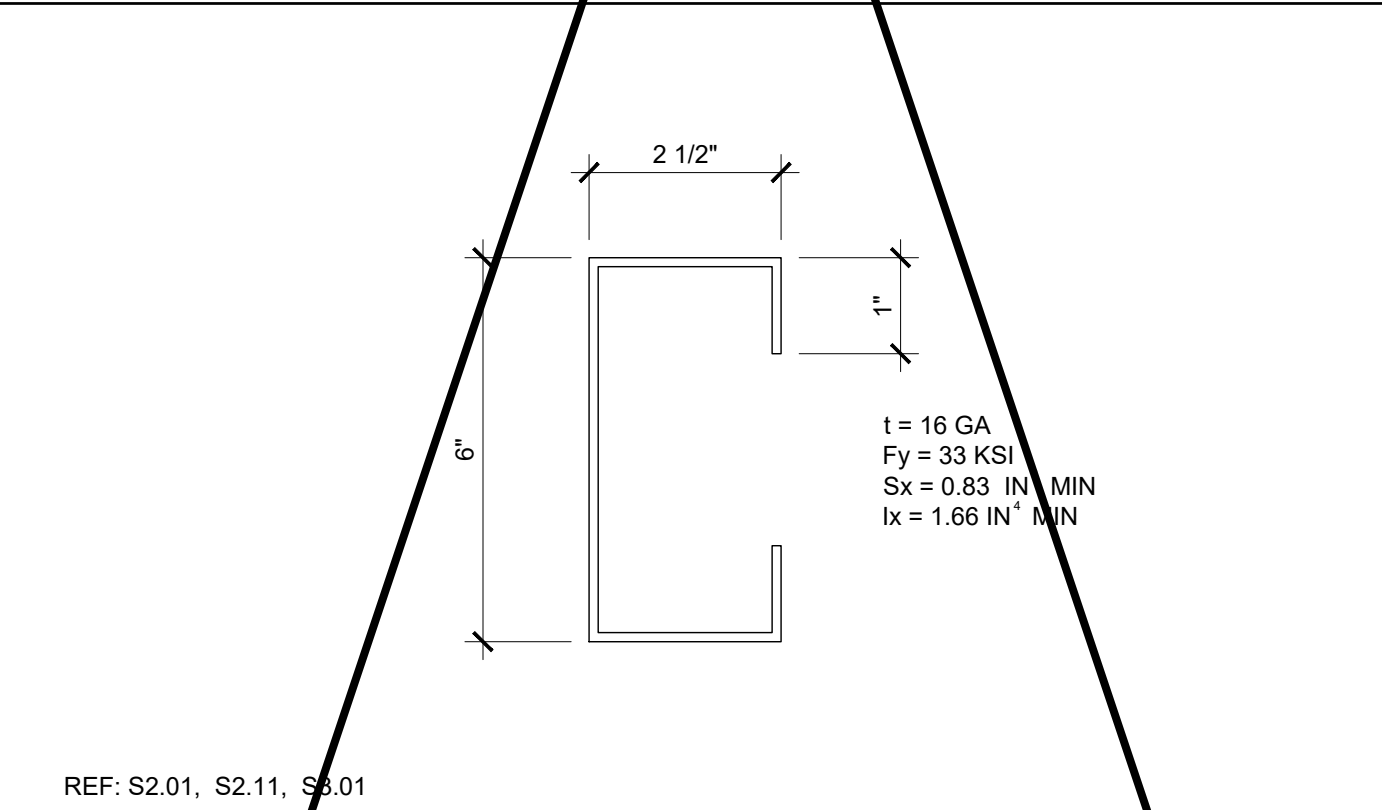
SOFFIT JOIST TO OVERHANG BEAM SCALE: 3" = 1'-0" 1



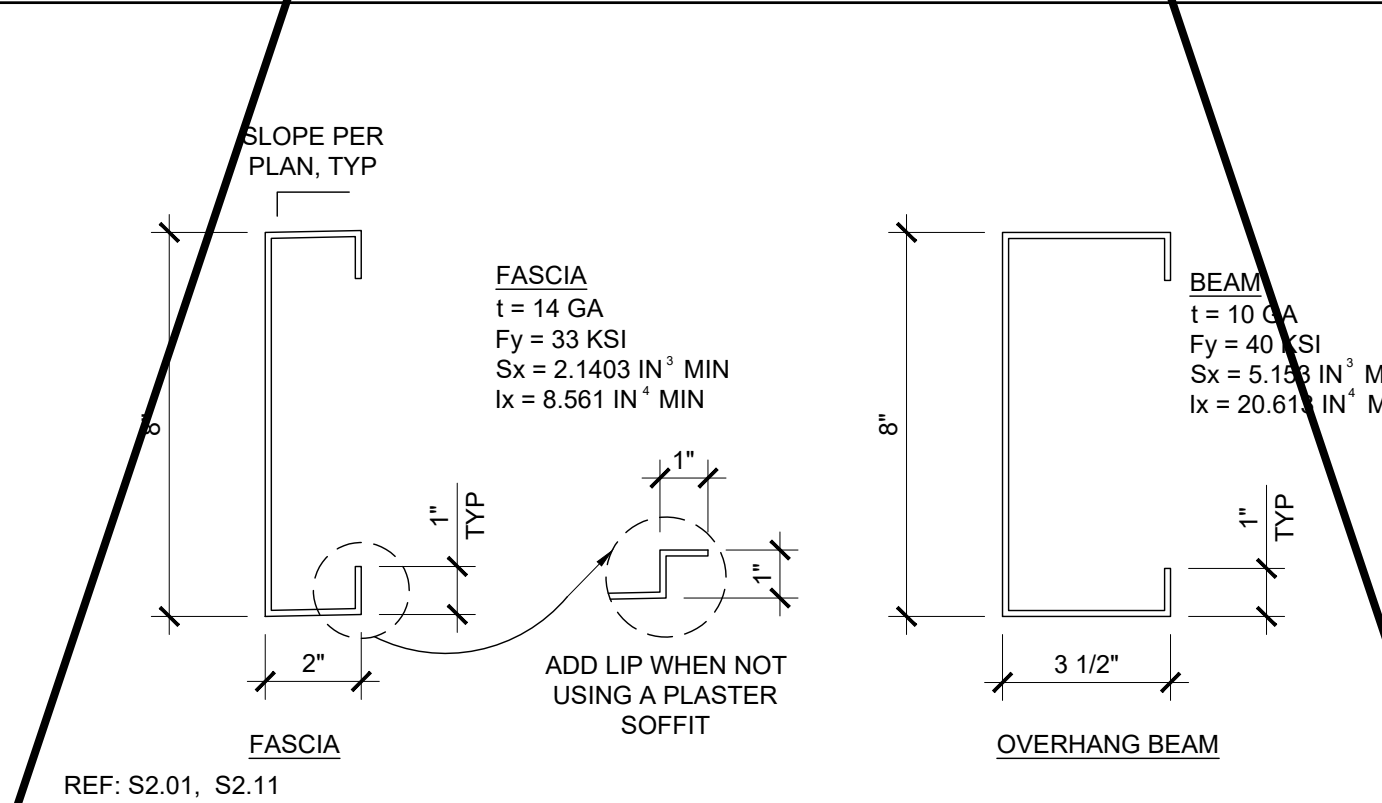
SOFFIT ANGLE TO HEADER CONNECTION SCALE: 3" = 1'-0" 2



OVERHANG FASCIA TO BEAM CONNECTION SCALE: 6" = 1'-0" 3



SOFFIT JOIST SCALE: 6" = 1'-0" 4



OVERHANG FASCIA & BEAM SCALE: 3" = 1'-0" 5

PROJECT SPECIFIC STATE AGENCY APPROVAL

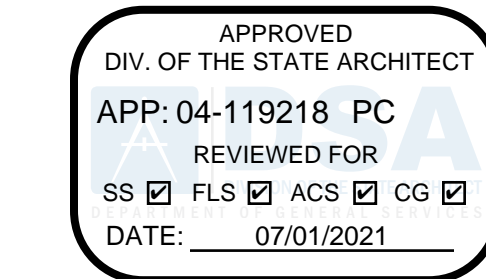
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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**ROOF FRAMING
DETAILS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL
SILVER CREEK INDUSTRIES, INC.



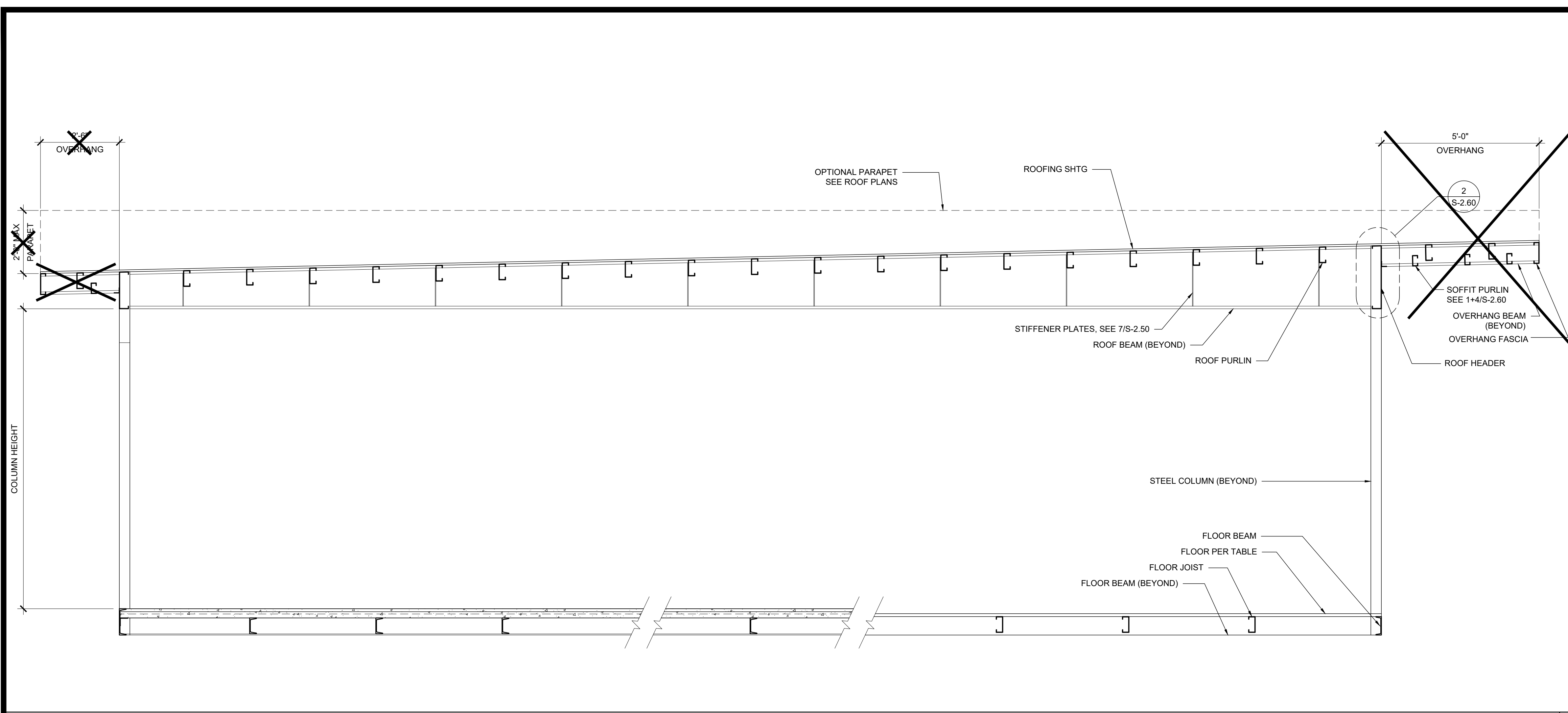
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020
P.C. SHEET NUMBER

S-2.60



BUILDING SECTION

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

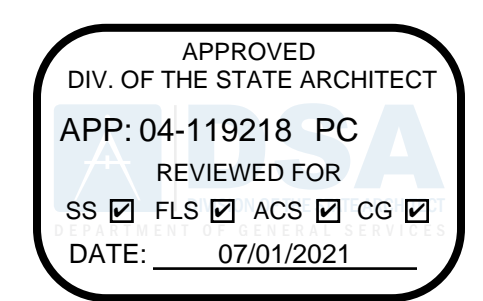
NOTES
 1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION
 WOOD FLOOR
 CONCRETE FLOOR

HSS COLUMN SCHEDULE

COL HT	NO PARAPET	WITH PARAPET
<input checked="" type="checkbox"/> 9'-0"	<input checked="" type="checkbox"/> 6 x 6 x 3/8	<input type="checkbox"/> 6 x 6 x 5/8
<input type="checkbox"/> 9'-6"	<input type="checkbox"/> 6 x 6 x 3/8	<input type="checkbox"/> 6 x 6 x 5/8
<input type="checkbox"/> 10'-0"	<input type="checkbox"/> 6 x 6 x 3/8	<input type="checkbox"/> 6 x 6 x 5/8
<input type="checkbox"/> 10'-6"	<input type="checkbox"/> 6 x 6 x 3/8	<input type="checkbox"/> 6 x 6 x 5/8 *

PRE-CHECK (PC) DOCUMENT
 CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

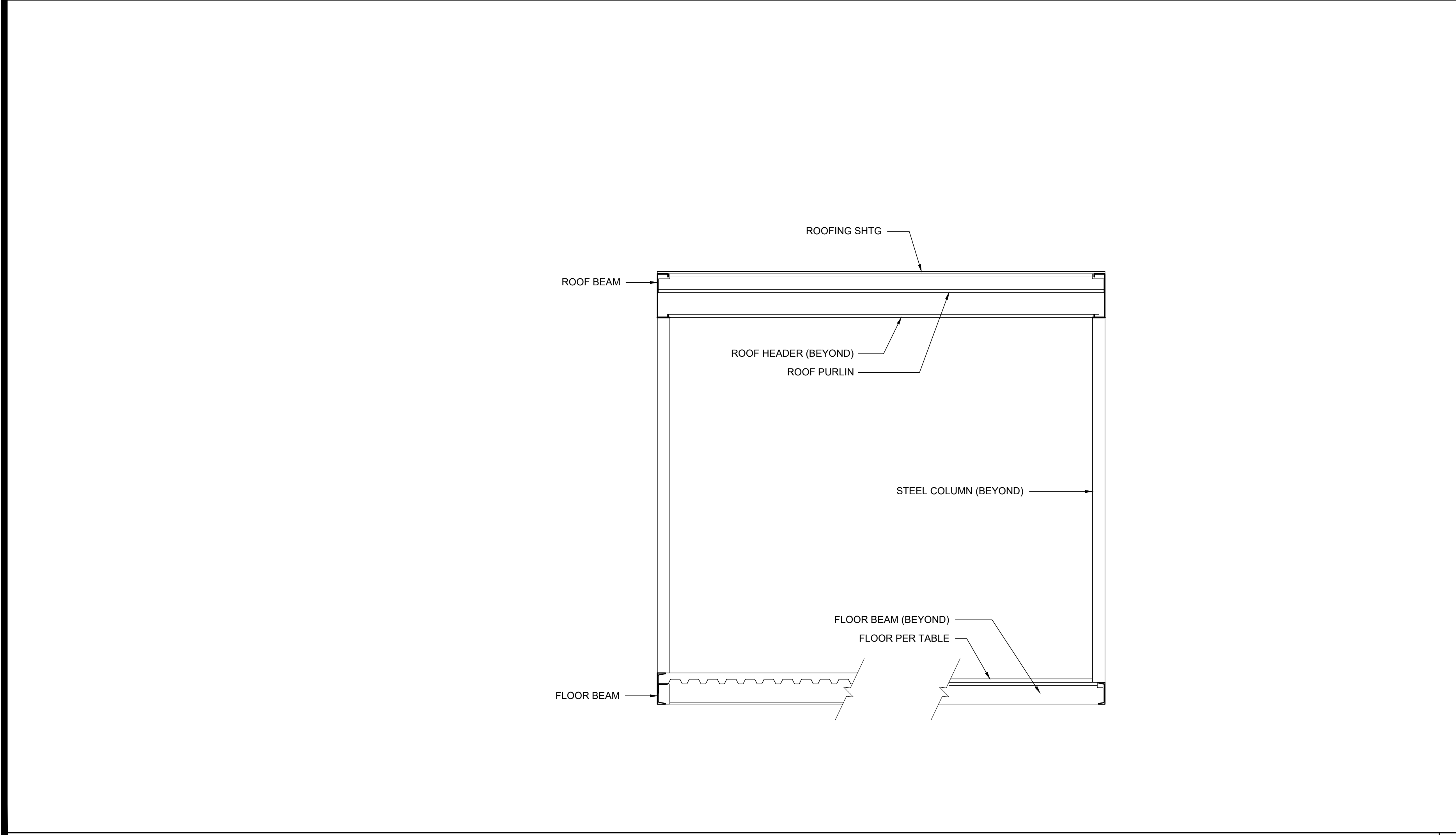


APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-119218 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 07/01/2021

PC STATE AGENCY APPROVAL

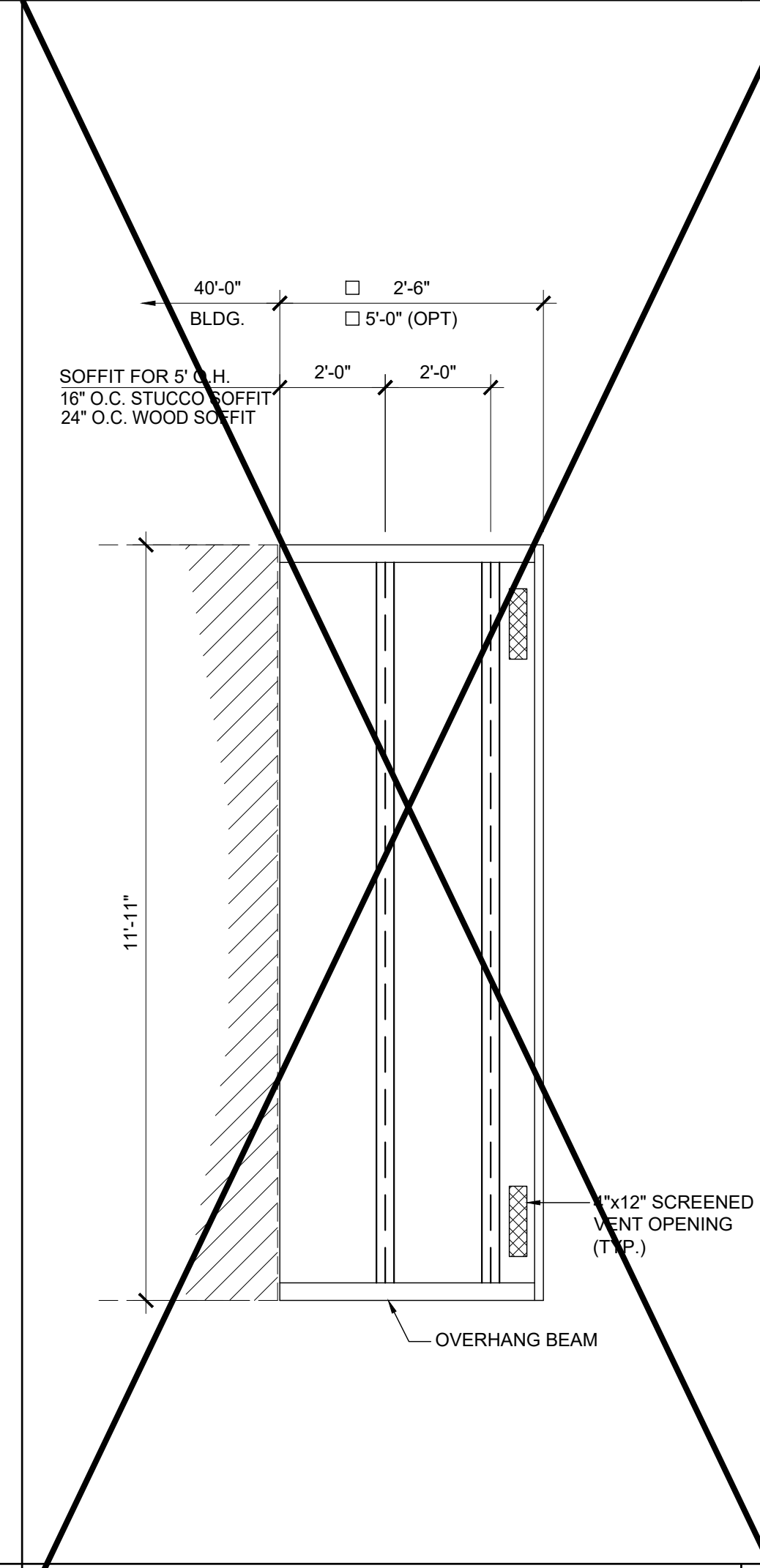
SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
 Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211



BUILDING SECTION

SCALE: 1/2" = 1'-0" 3



ENCL. SOFFIT PLAN-OPT.

SCALE: 3/8" = 1'-0" 2

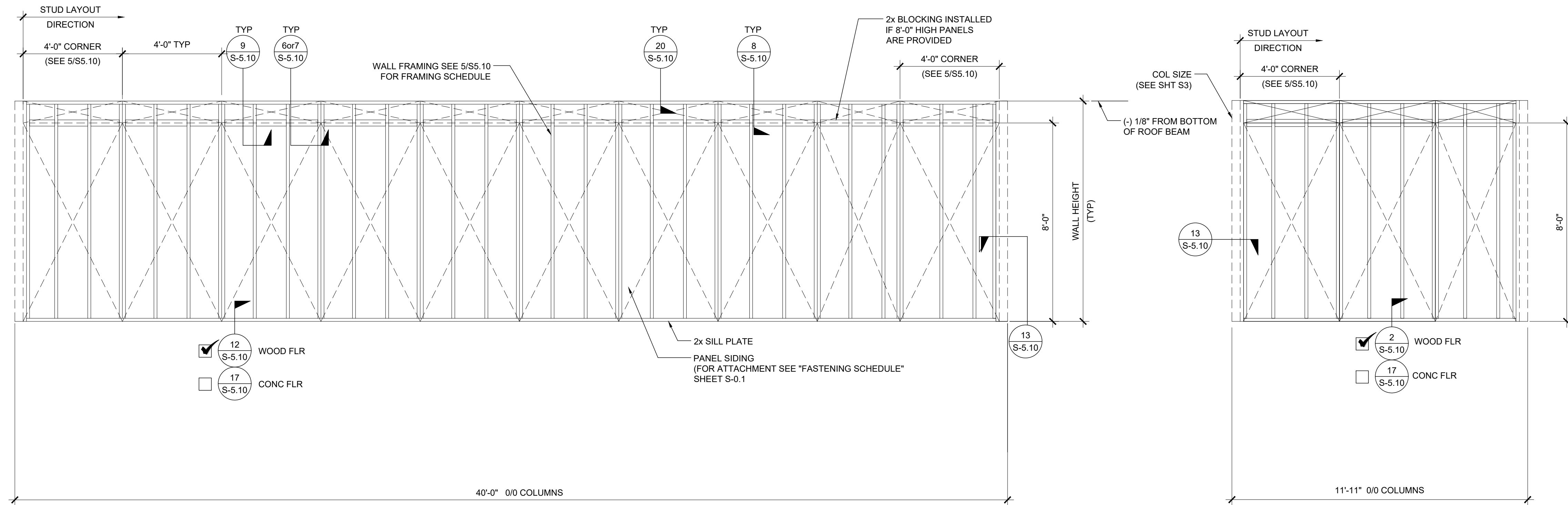
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
 12' x 40' PC

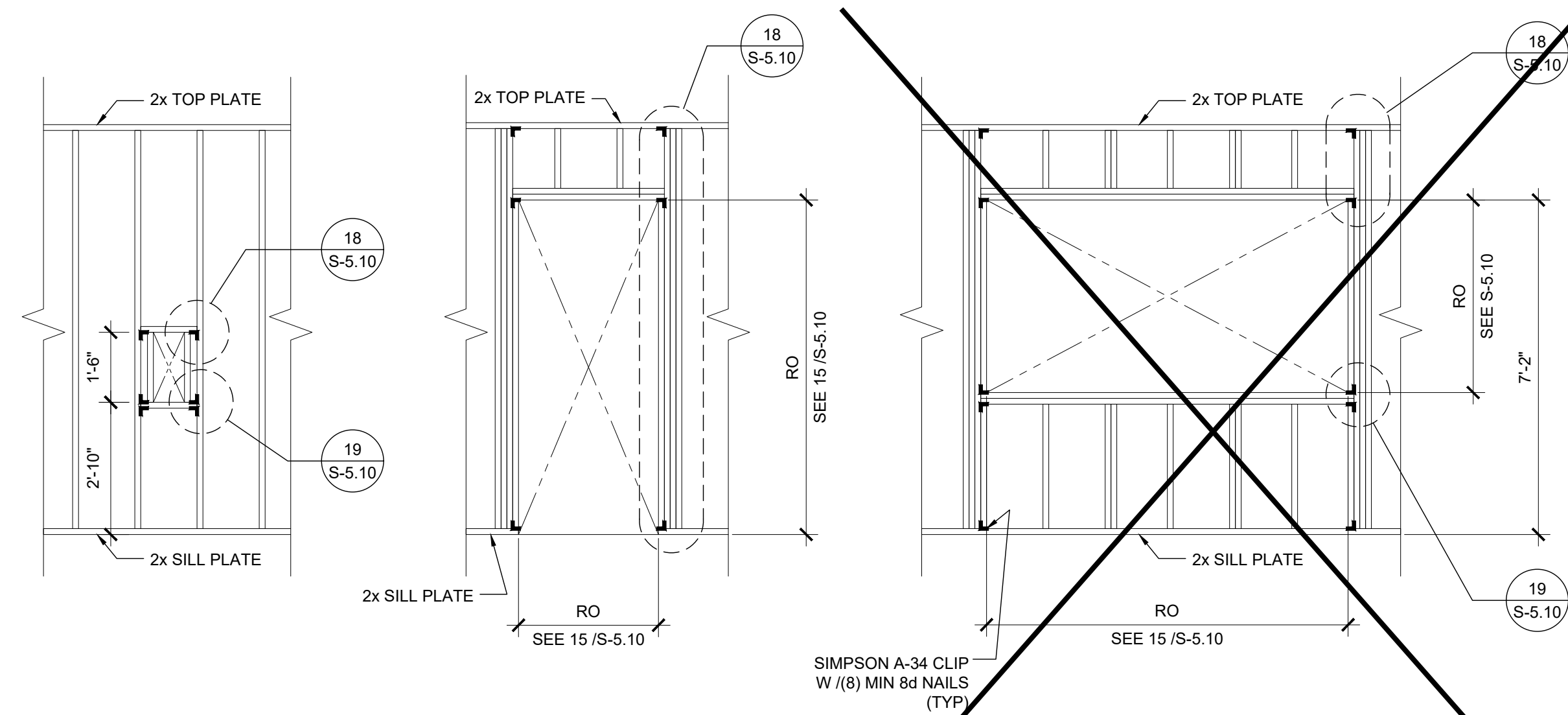
PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 06-22-2020

P.C. SHEET NUMBER
S-3.01



TYPICAL SIDE WALL

TYPICAL END WALL



FIRE EXTINGUISHER
CABINET BLOCKOUT

TYPICAL DOOR

TYPICAL WINDOW

NOTES

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WALL HEIGHT SCHEDULE

COLUMN HEIGHT	<input checked="" type="checkbox"/> 9'-0"	<input type="checkbox"/> 9'-6"	<input type="checkbox"/> 10'-0"	<input type="checkbox"/> 10'-6"
<input type="checkbox"/> CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
<input checked="" type="checkbox"/> WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

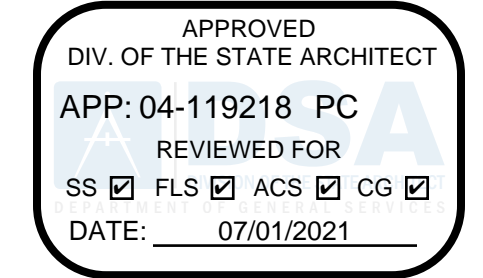
PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**FRAMING ELEVATIONS
WOOD STUDS**

REVISIONS

1	
2	
3	
4	
5	

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PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

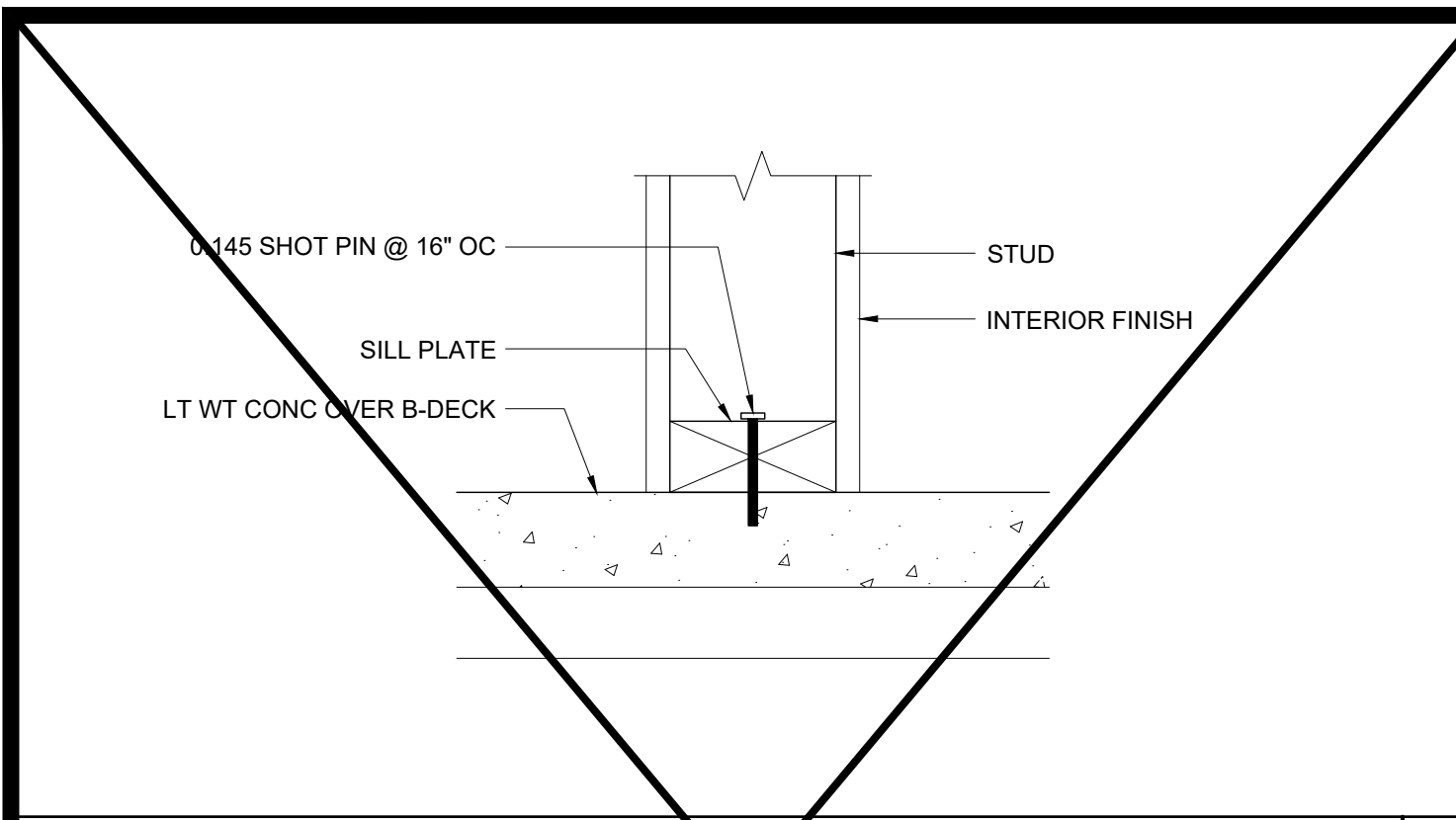
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

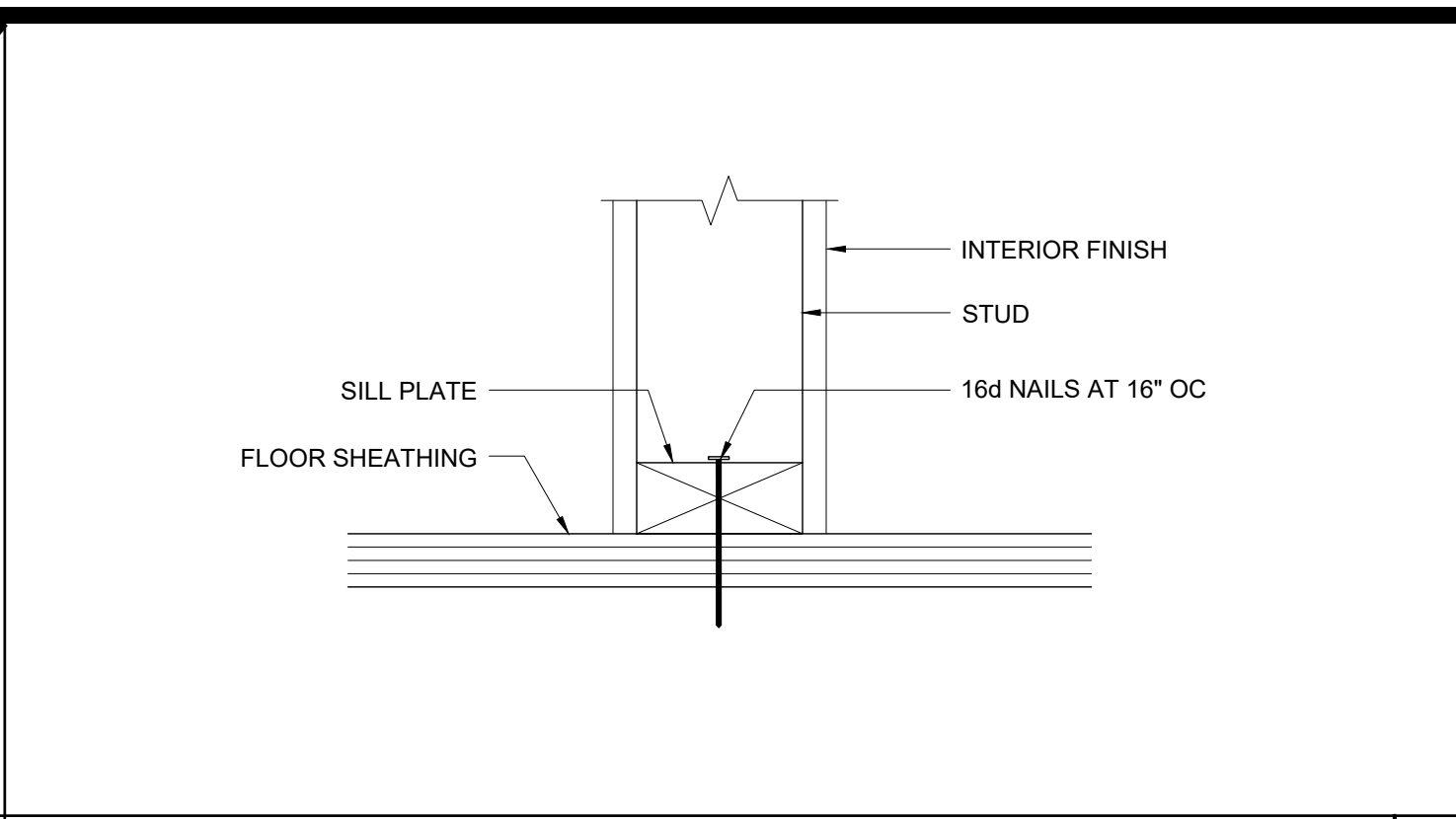
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

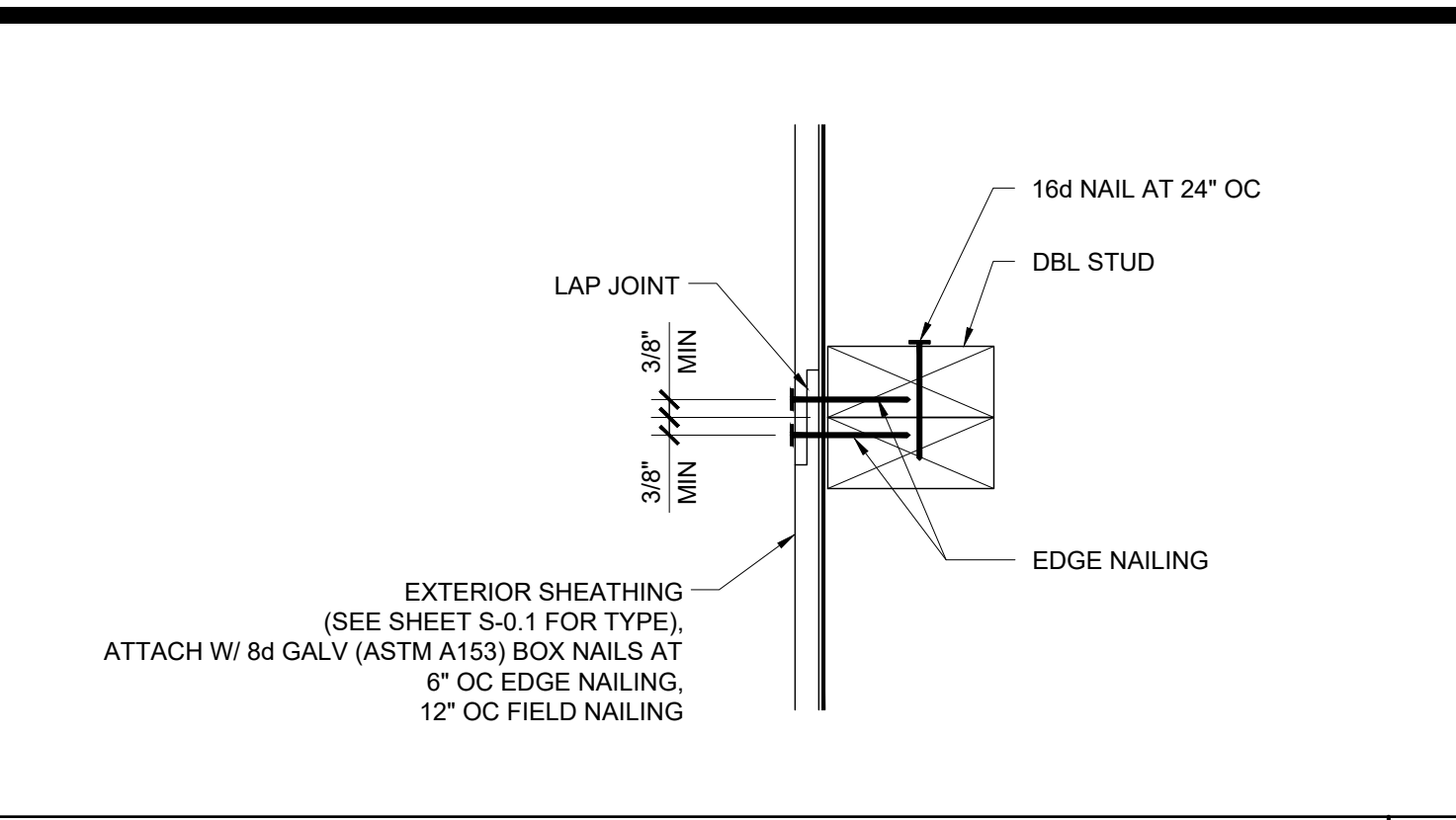
P.C. SHEET NUMBER
S-5.00



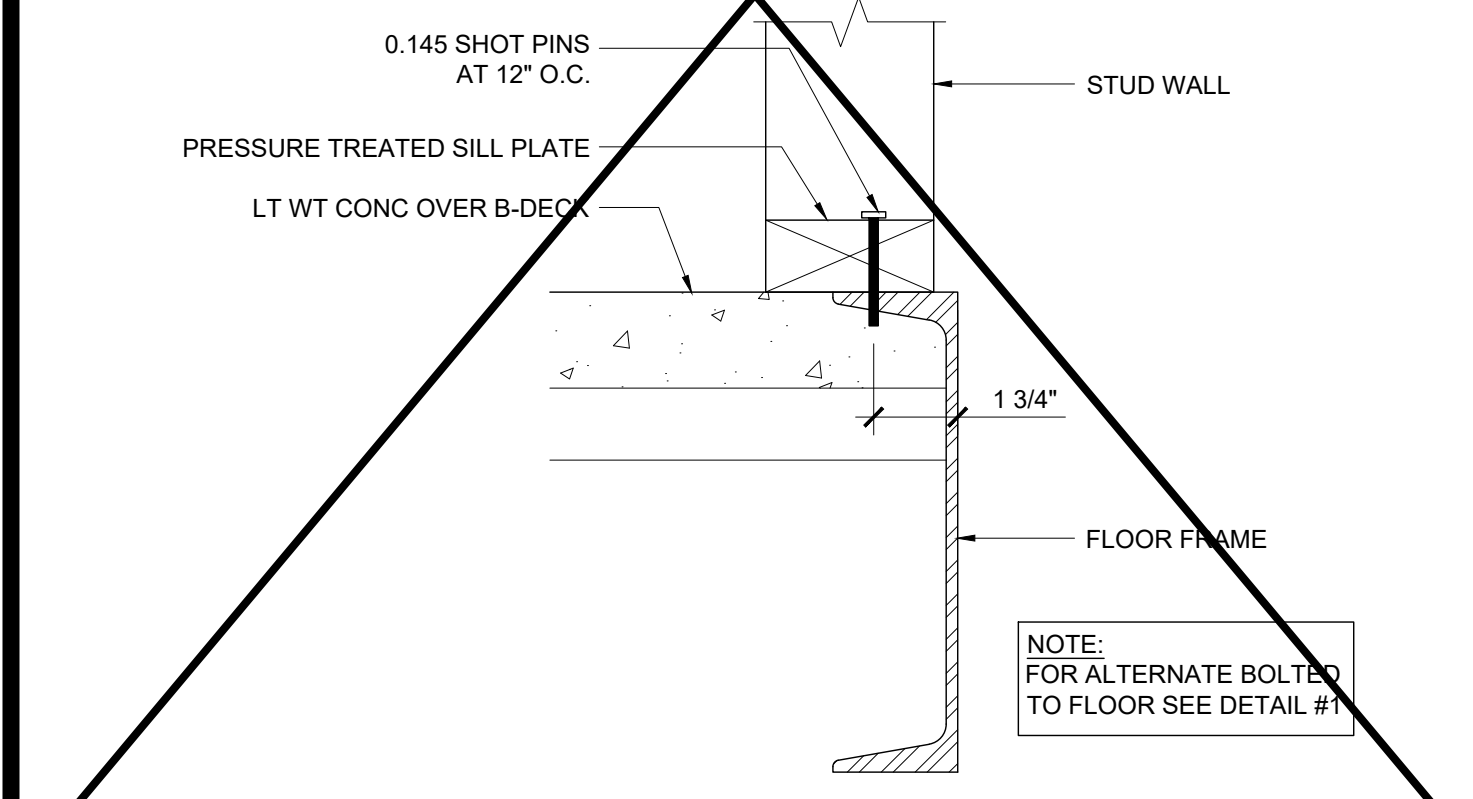
PARTITION CONNECTION AT CONC FLOOR SCALE : 3\"/>



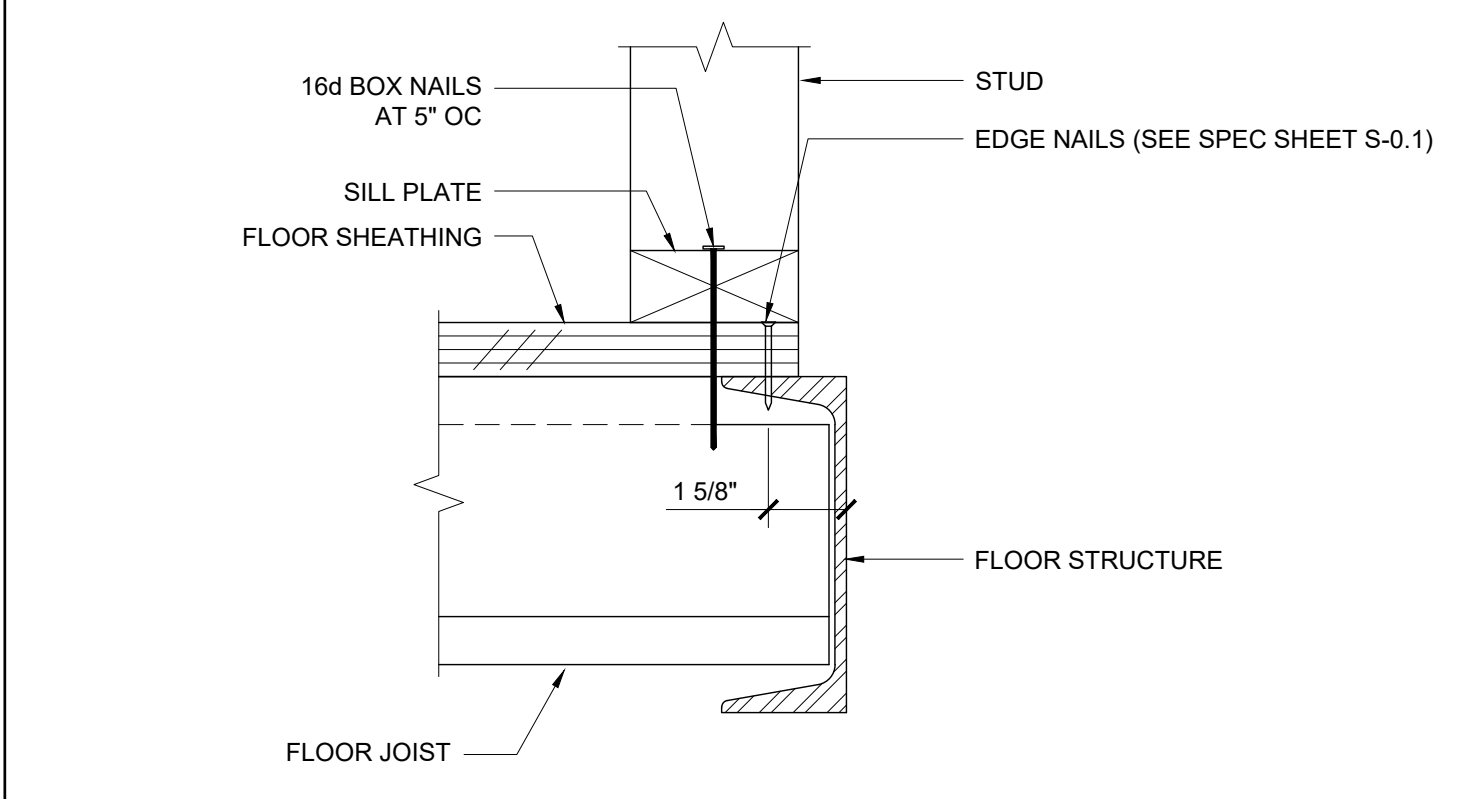
PARTITION CONNECTION AT WOOD FLOOR SCALE : 3\"/>



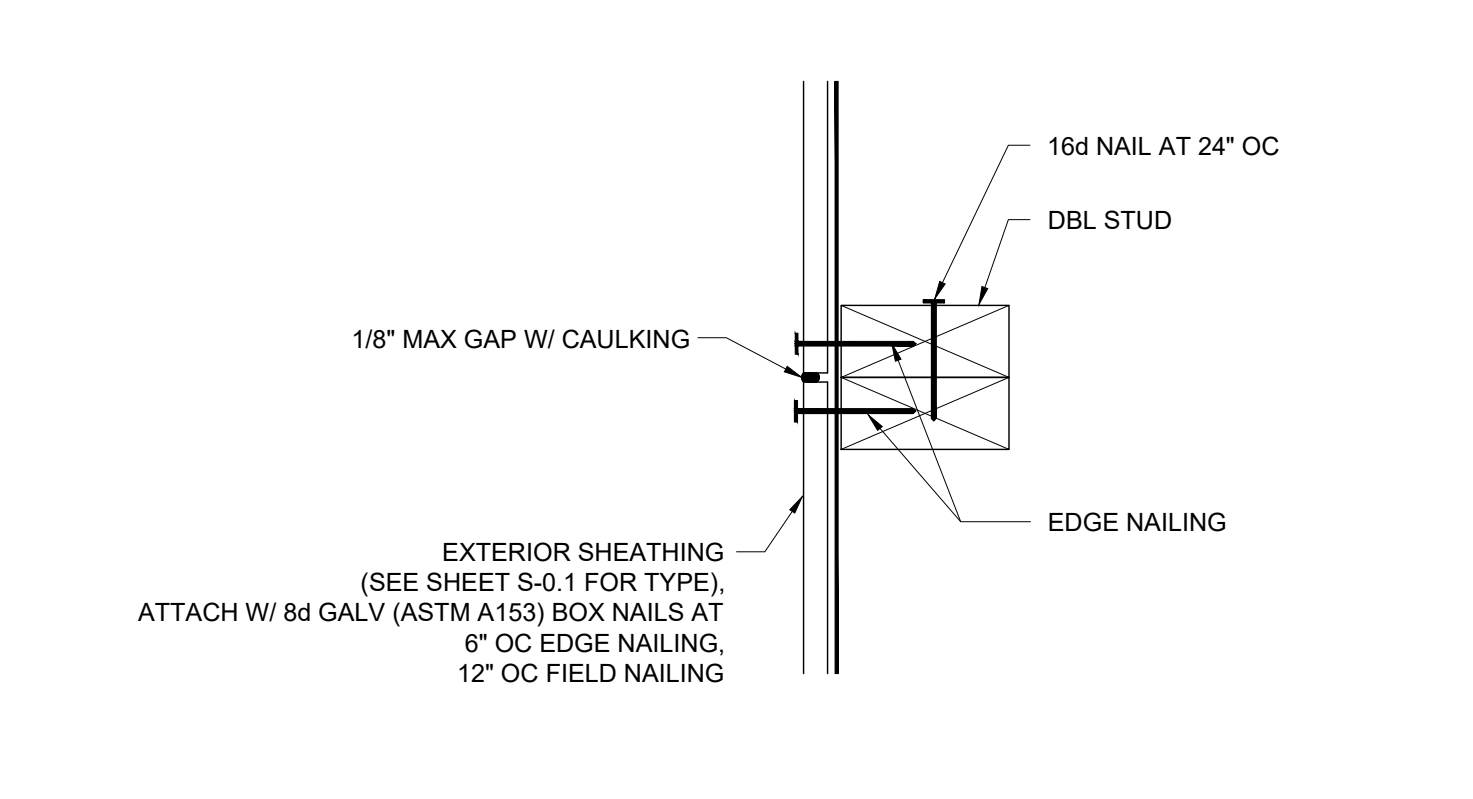
VERTICAL SHEATHING LAP JOINT SCALE : 3\"/>



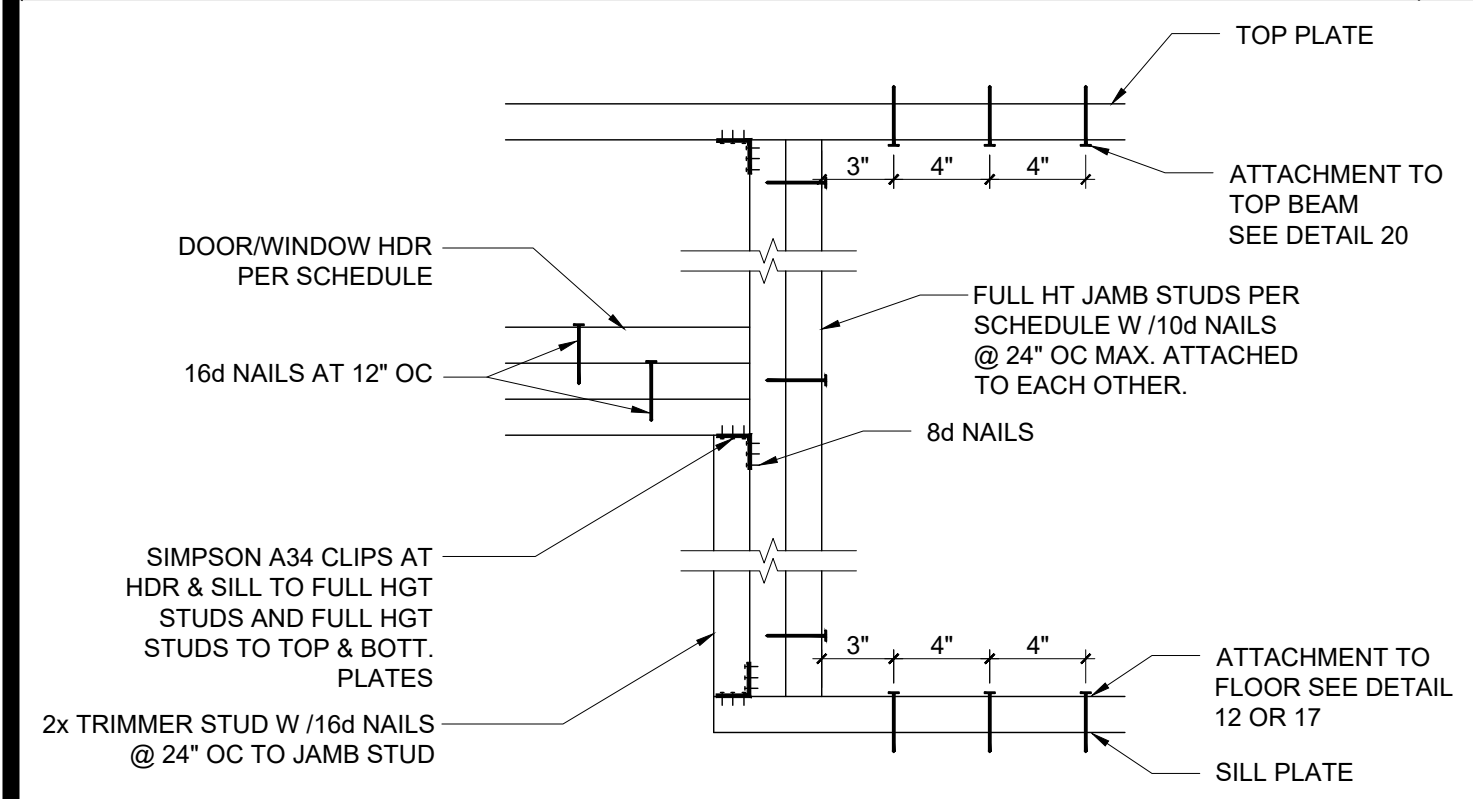
WALL SILL AT CONCRETE FLOOR SCALE : 3\"/>



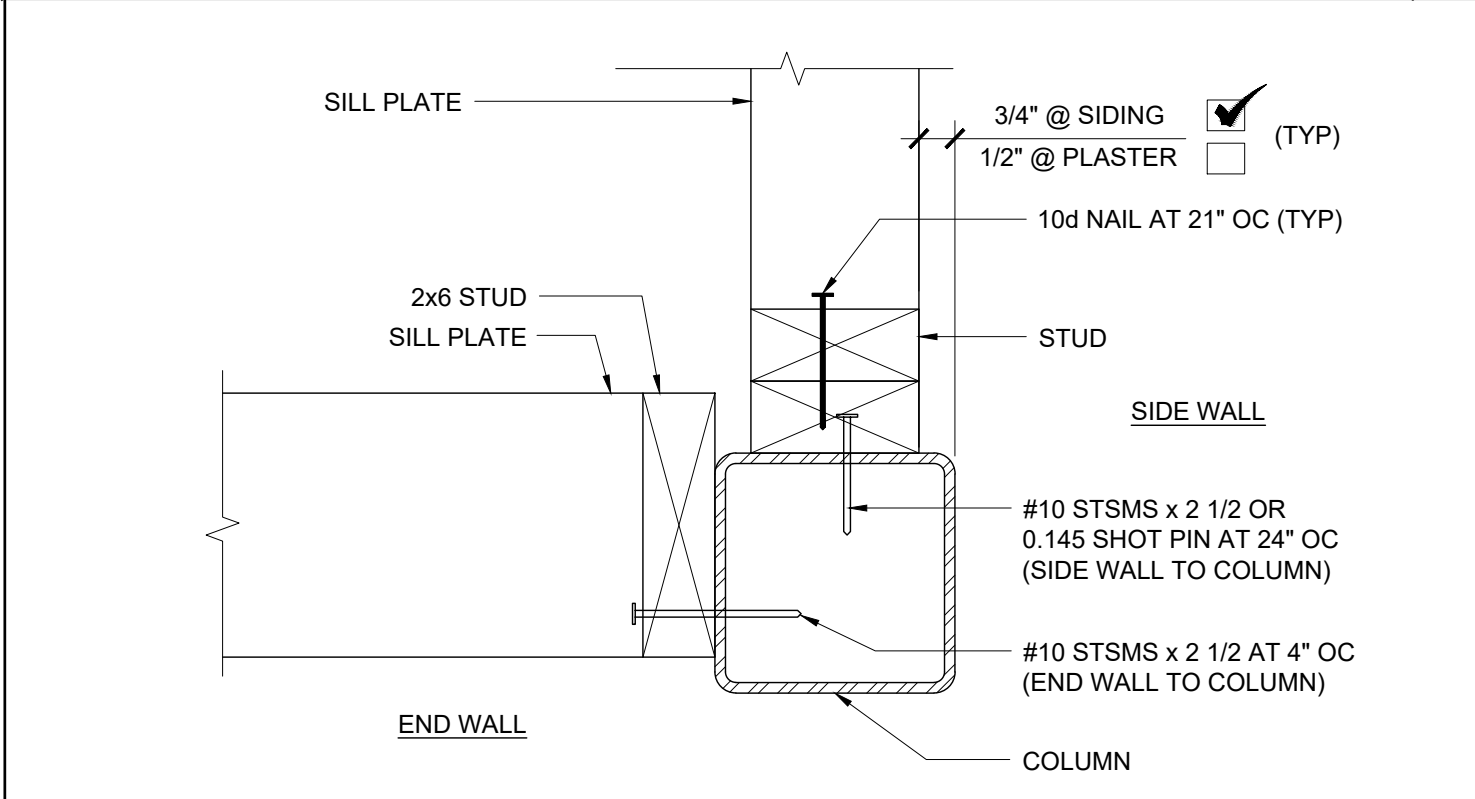
WALL SILL AT WOOD FLOOR SCALE : 3\"/>



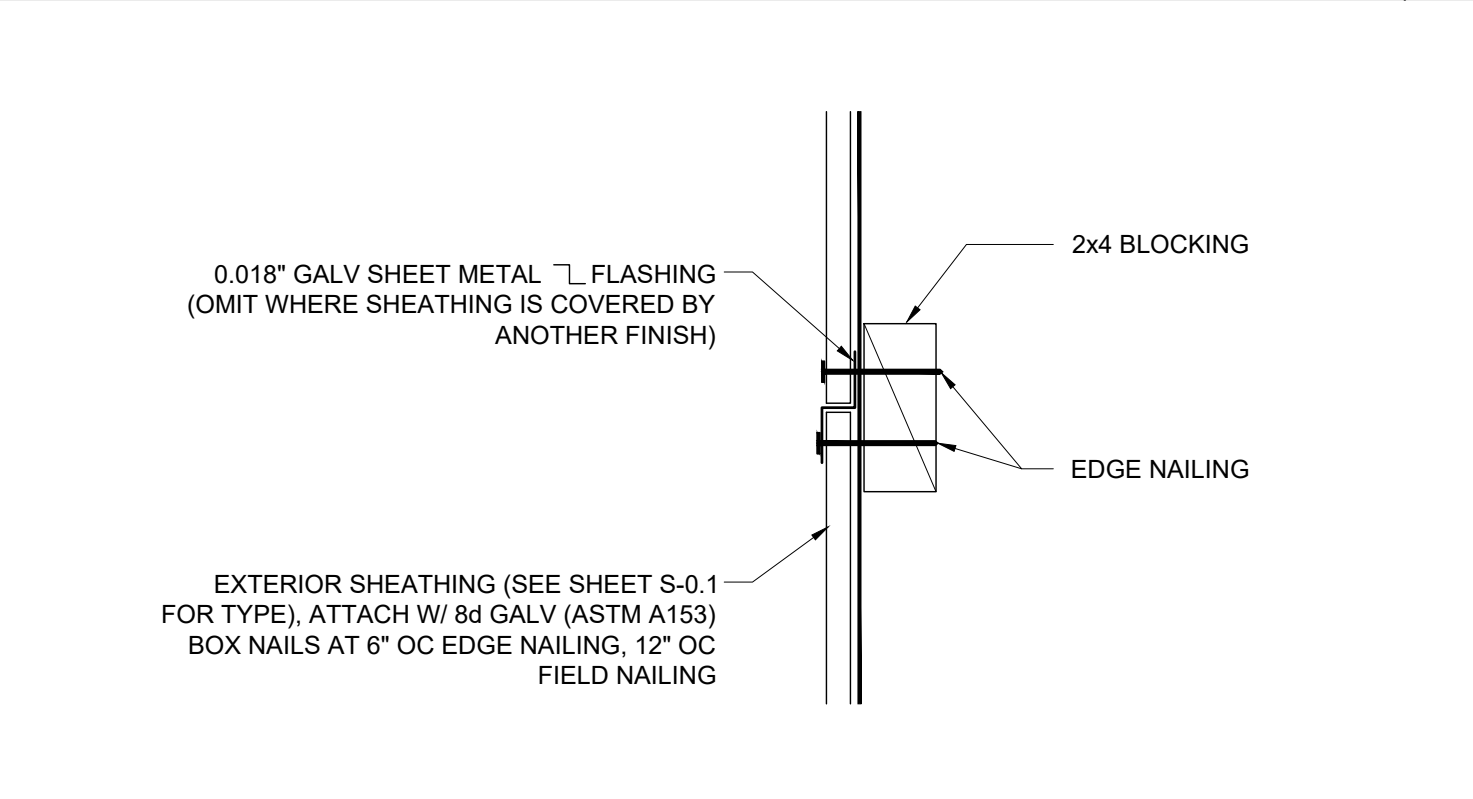
VERTICAL SHEATHING BUTT JOINT SCALE : 3\"/>



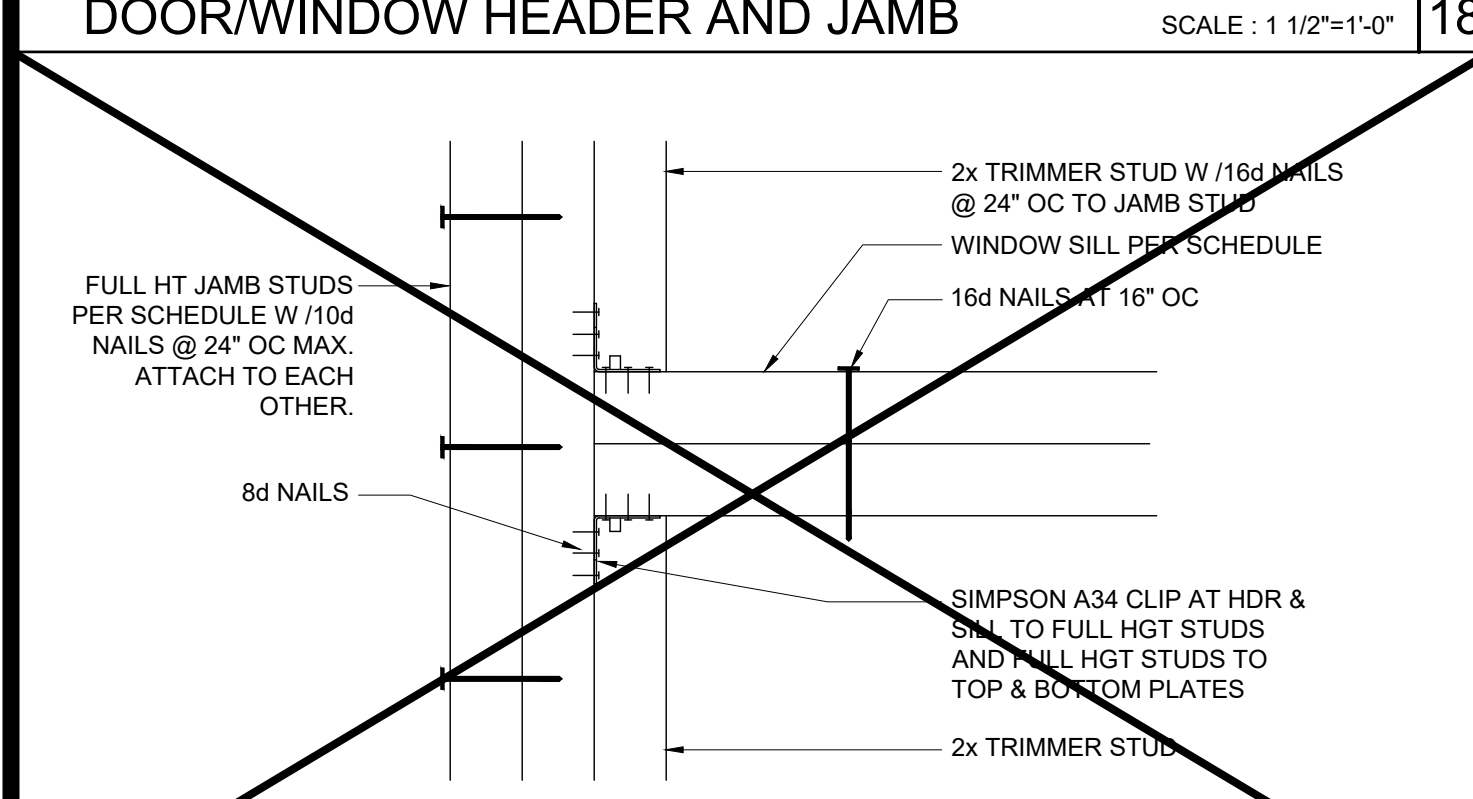
DOOR/WINDOW HEADER AND JAMB SCALE : 1 1/2\"/>



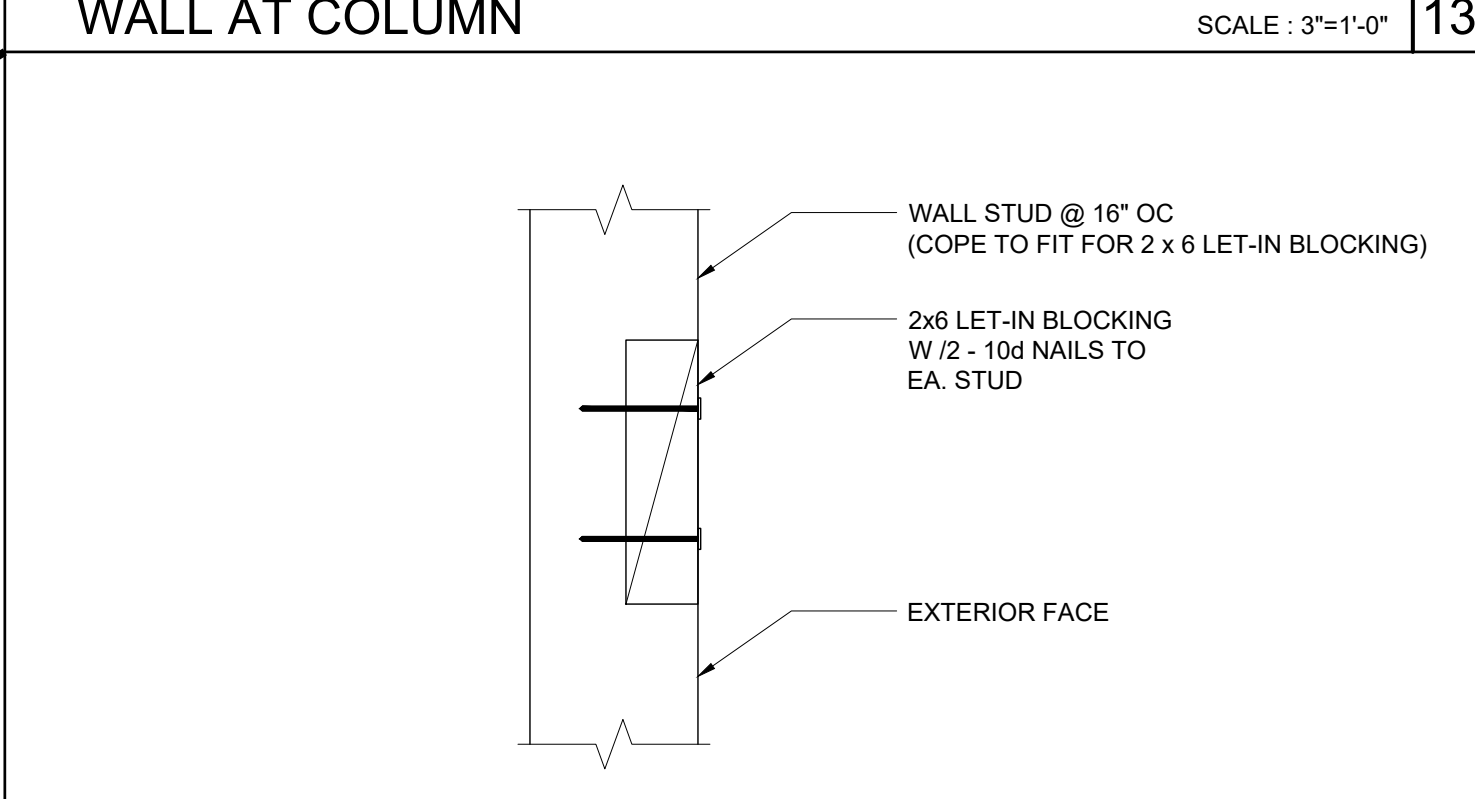
WALL AT COLUMN SCALE : 3\"/>



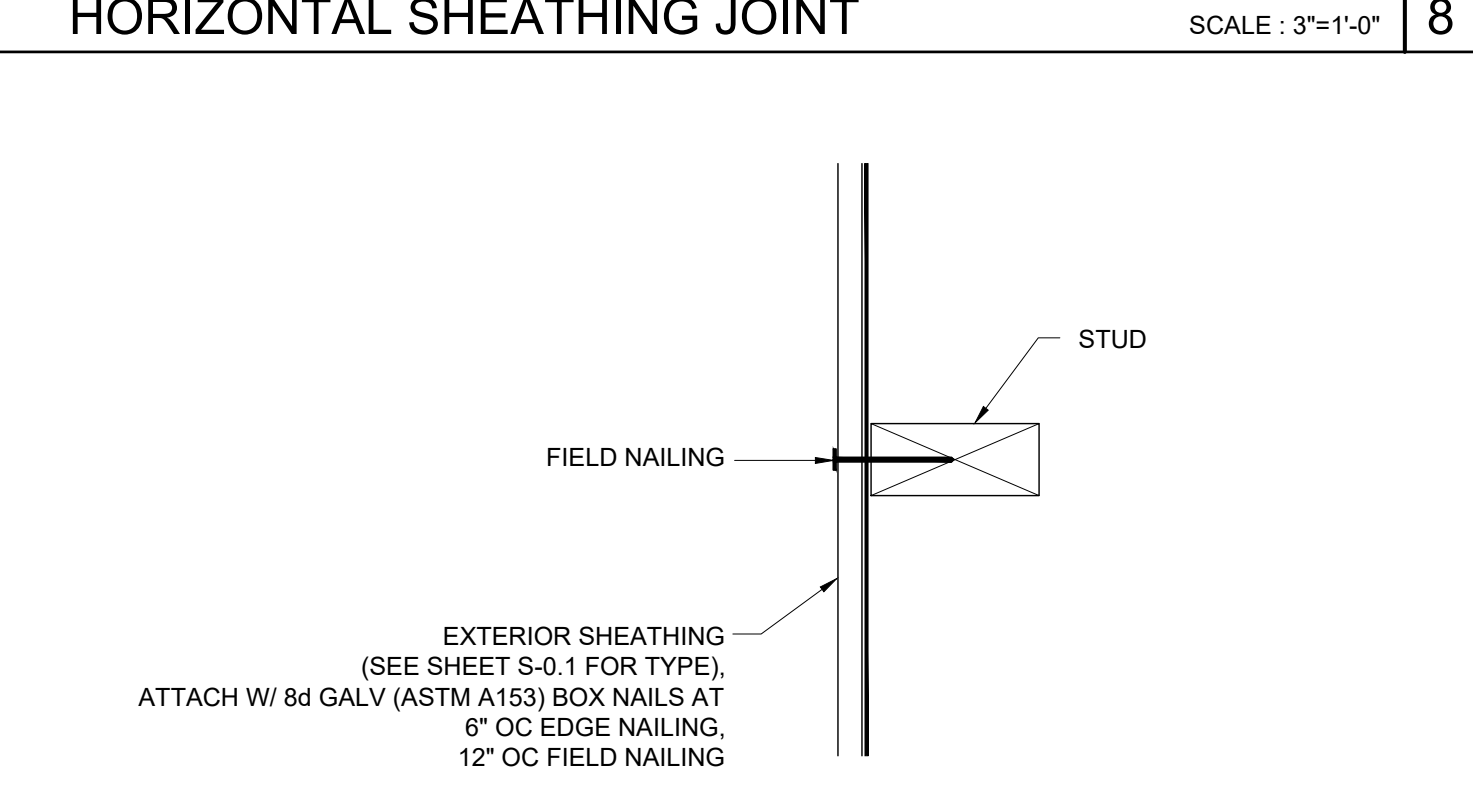
HORIZONTAL SHEATHING JOINT SCALE : 3\"/>



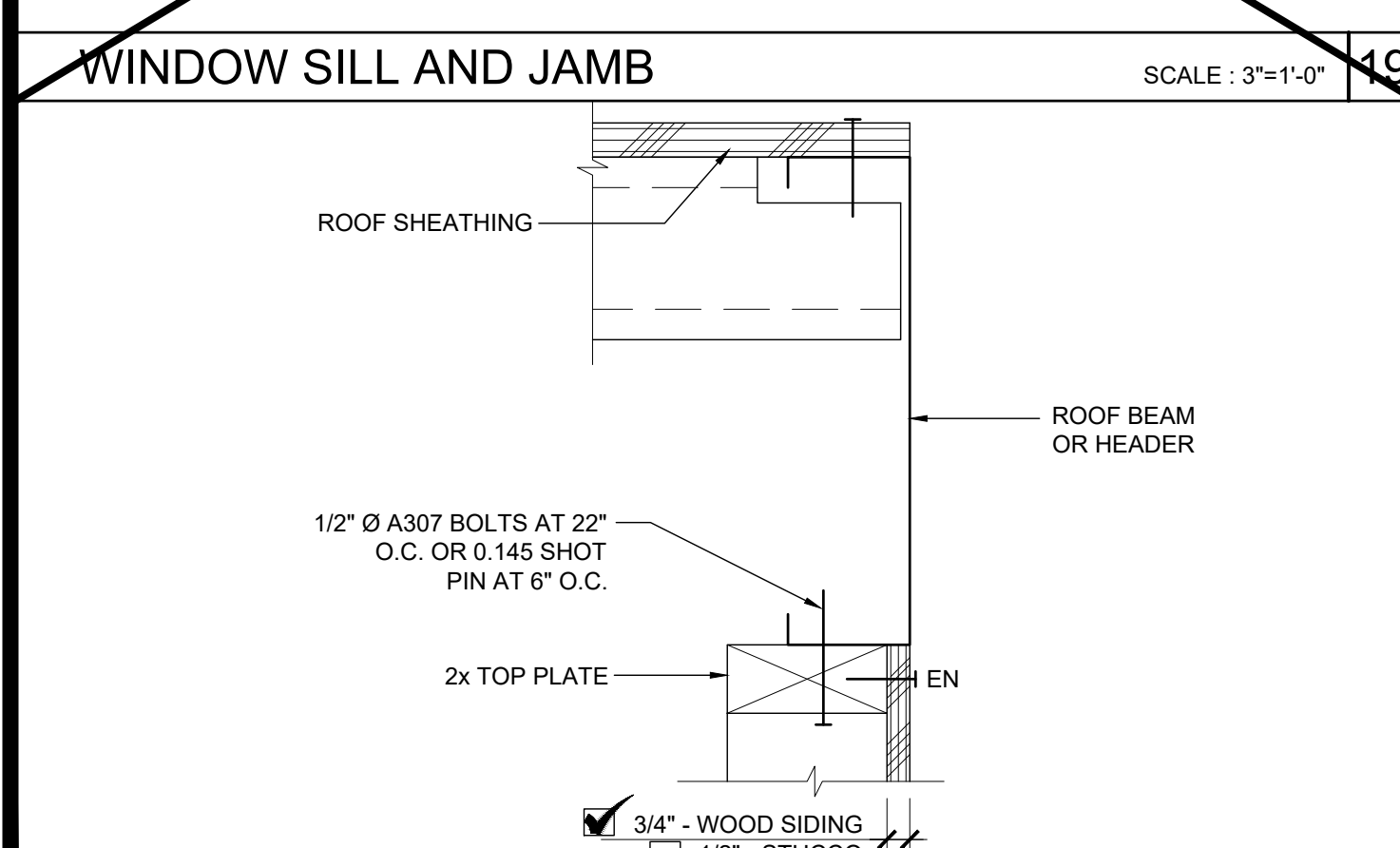
WINDOW SILL AND JAMB SCALE : 3\"/>



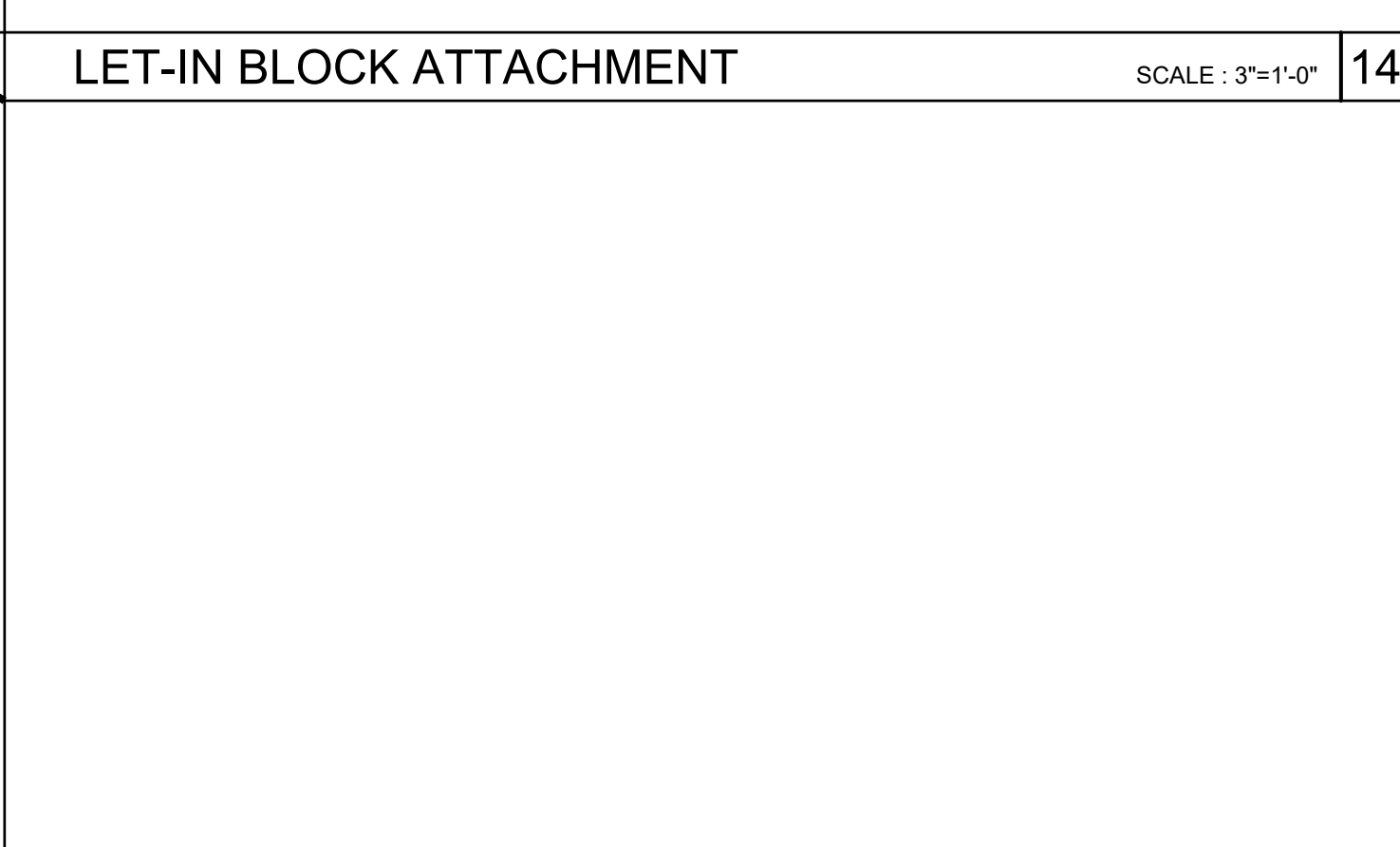
LET-IN BLOCK ATTACHMENT SCALE : 3\"/>



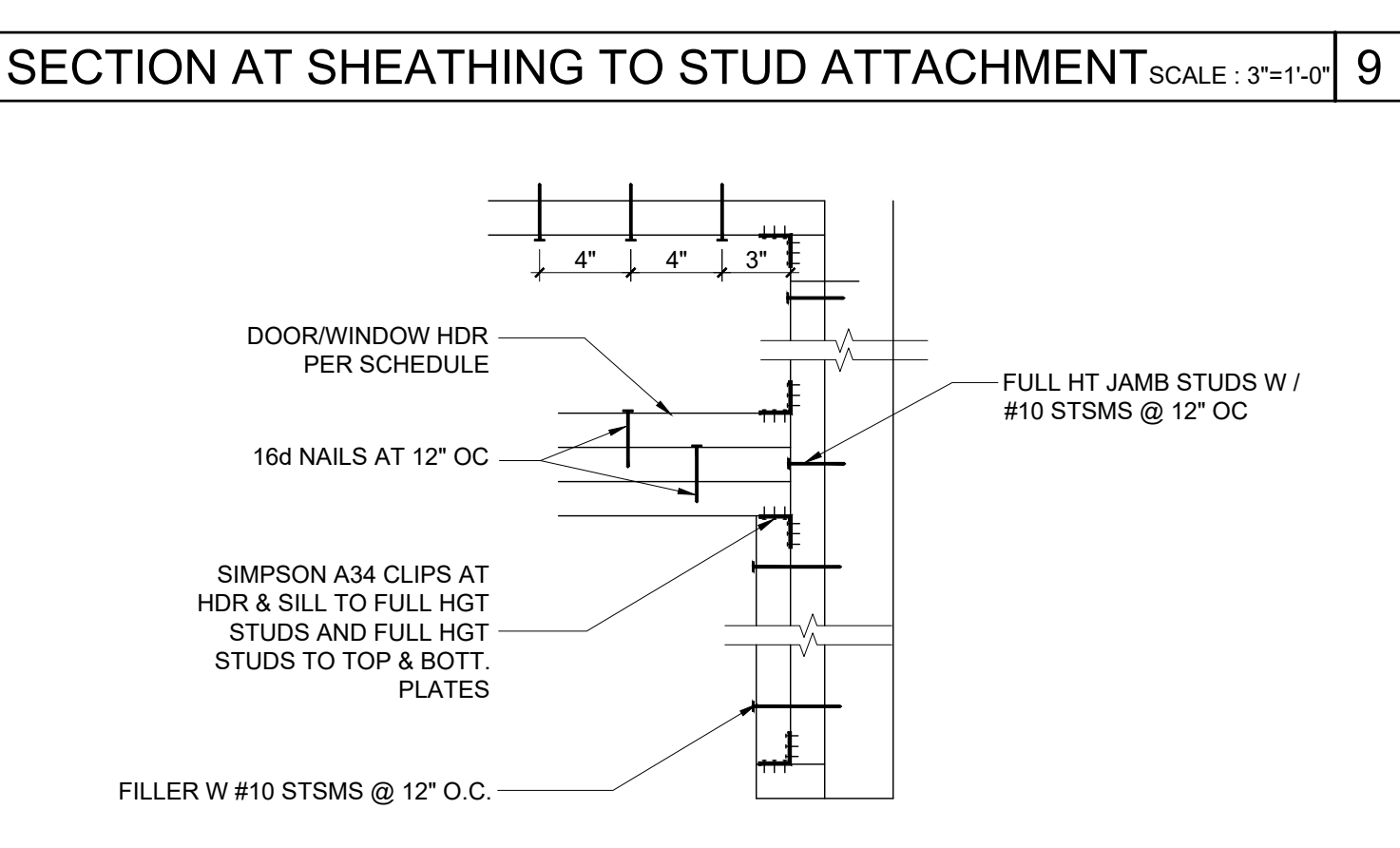
SECTION AT SHEATHING TO STUD ATTACHMENT SCALE : 3\"/>



TOP PLATE AT ROOF BEAM SCALE : 3\"/>



NOT USED



DOOR/WINDOW HEADER @ COLUMN SCALE : 1 1/2\"/>

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2
		PLASTER	(2)	2X4	DF	#2	N/A				(3)	2X4	DF	#2
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2



2x4 WALL FRAMING SCHEDULE

NOTE: OPENINGS LARGER THAN 3'x7' ARE NOT PERMITTED IN 2x4 WALLS WITH PLASTER FINISH.

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC
	PLASTER	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	10" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	12" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC

NOTES:

- 2X4 WALL FRAMING NOT PERMITTED FOR STUCCO FINISH WALLS OVER 9'-0" TALL
- 2X4 EXTERIOR WALL FRAMING IS ONLY PERMITTED AT UNCONDITIONED RESTROOM MODULES
- 2X4 INTERIOR WALLS SHALL BE HF #2 (OR BETTER) AND SHALL BE SPACED NOT MORE THAN 24" OC MAX

2x4 WALL FRAMING SCHEDULE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

PROJECT NAME:
**SPRECKELS UNION SD
 SPRECKELS ES
 (1) 12x40 RESTROOM**

SHEET TITLE:
**WALL FRAMING
 DETAILS
 WOOD STUDS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
 CODE: 2019 CBC
 A SEPARATE PROJECT APPLICATION
 FOR CONSTRUCTION IS REQUIRED

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-119218 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 07/01/2021

PC STATE AGENCY APPROVAL

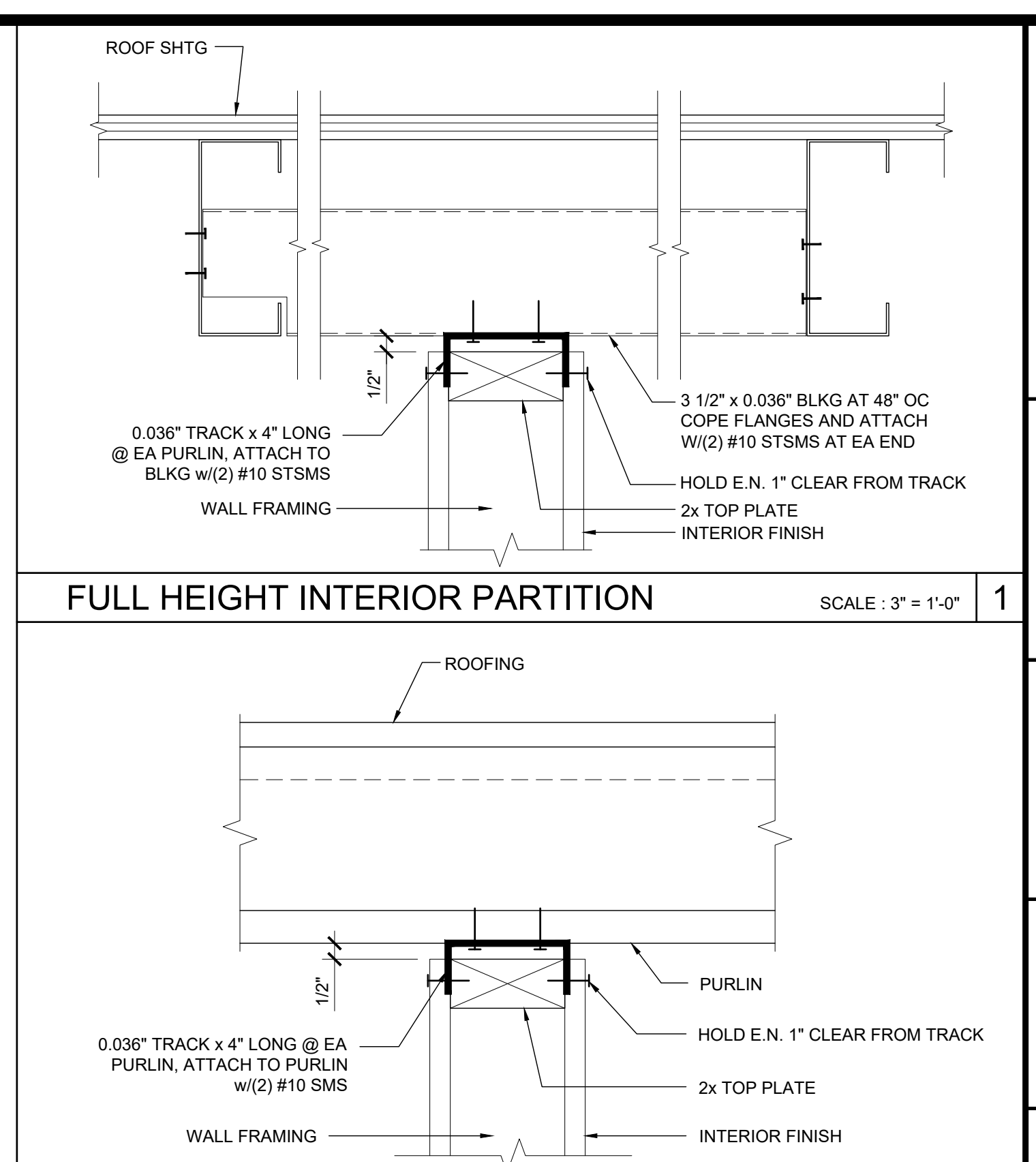
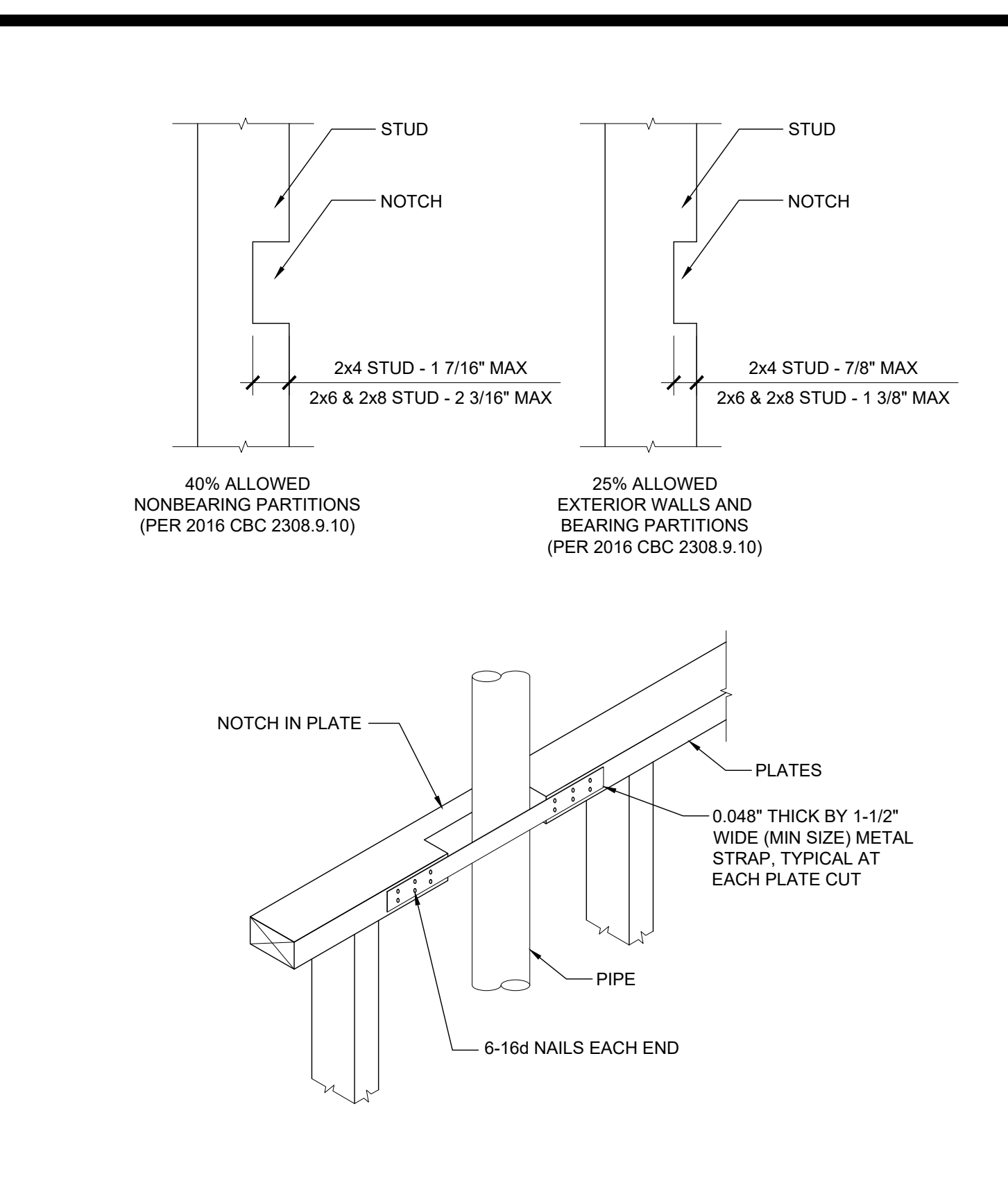
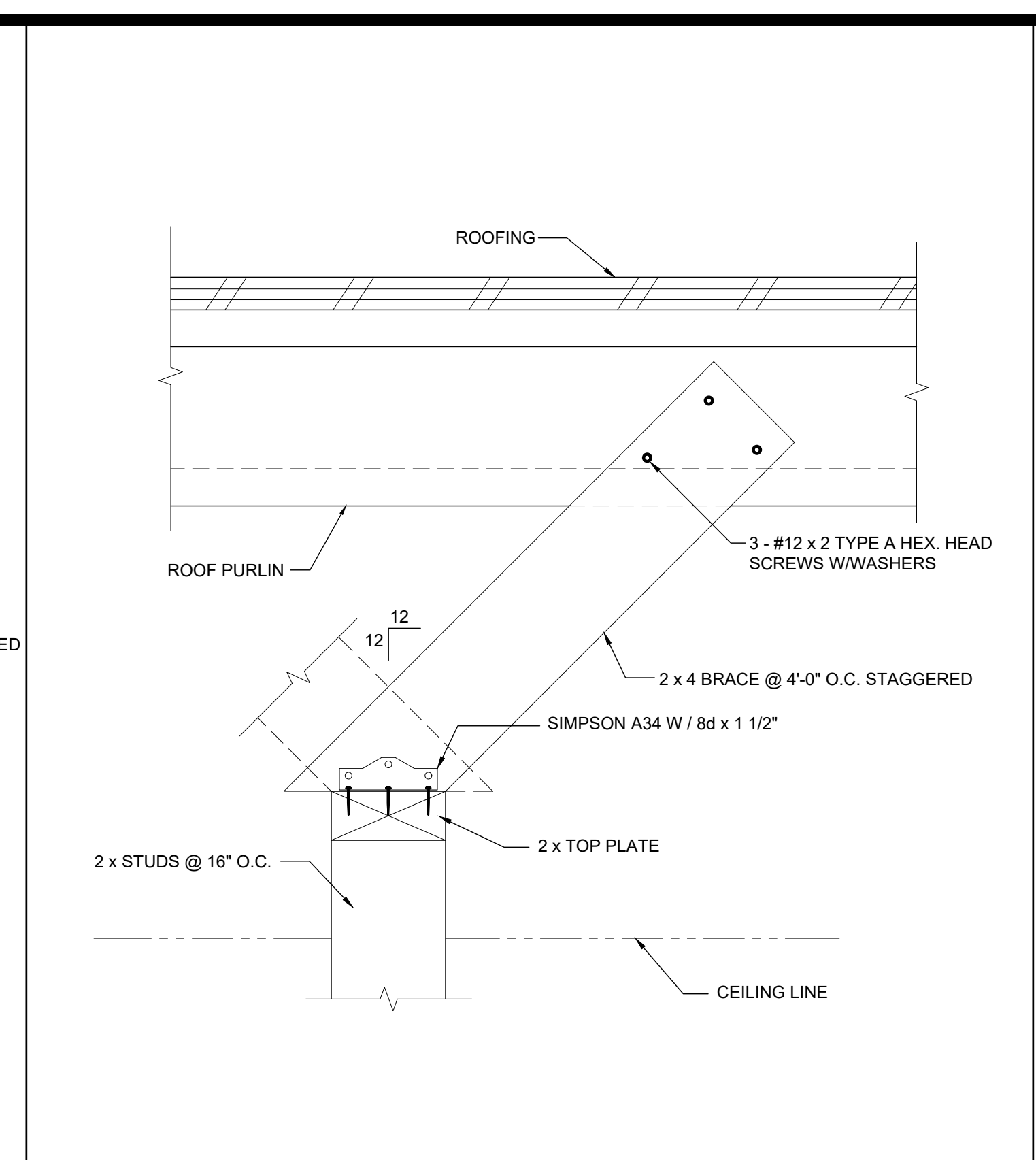
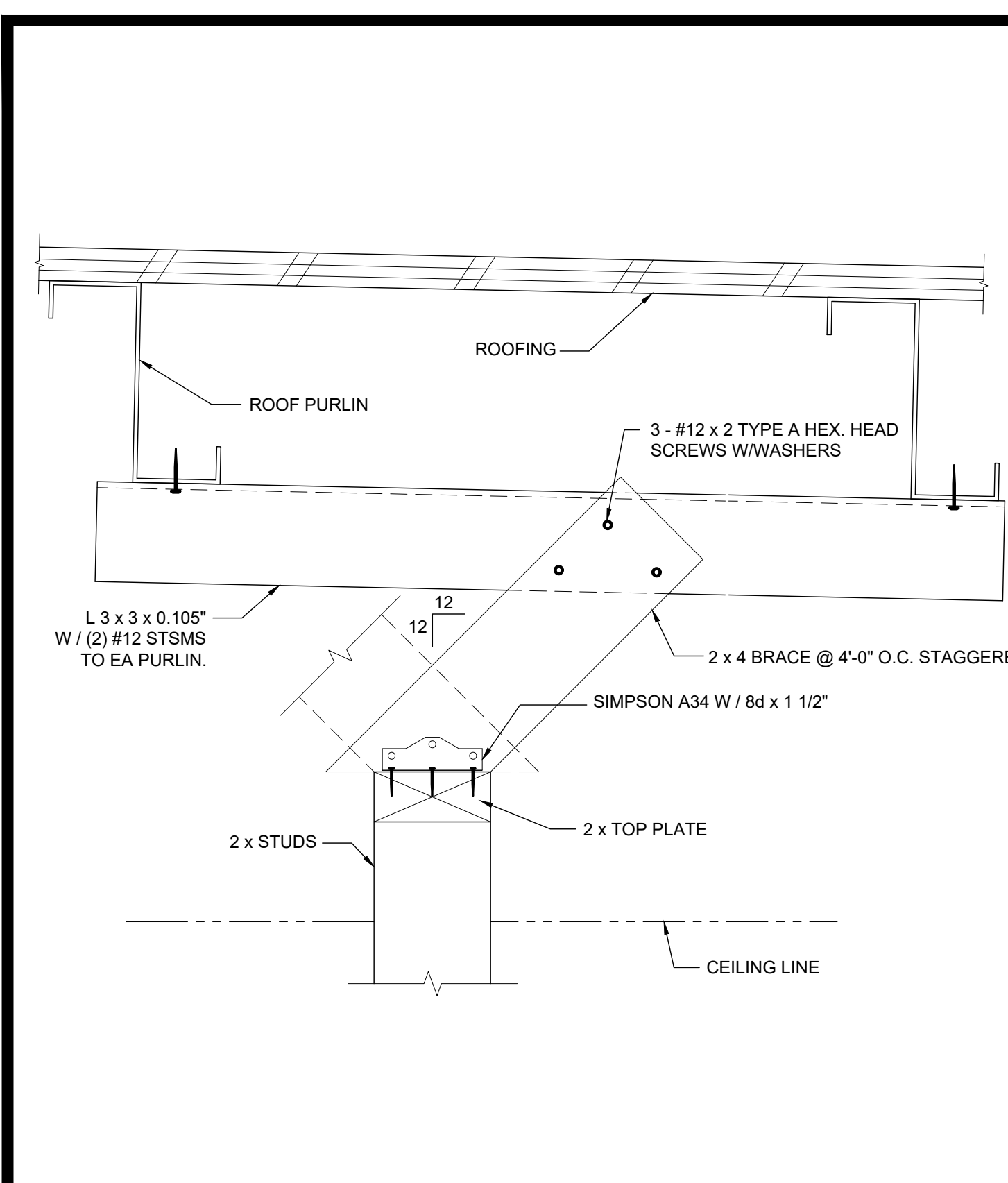
SILVER CREEK
 Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO:
 SCALE: AS NOTED
 DATE: 06-22-2020
 P.C. SHEET NUMBER
S-5.10

2x4 WALL FRAMING SCHEDULE



INTERIOR PARTITION SCALE: 3" = 1'-0" 14

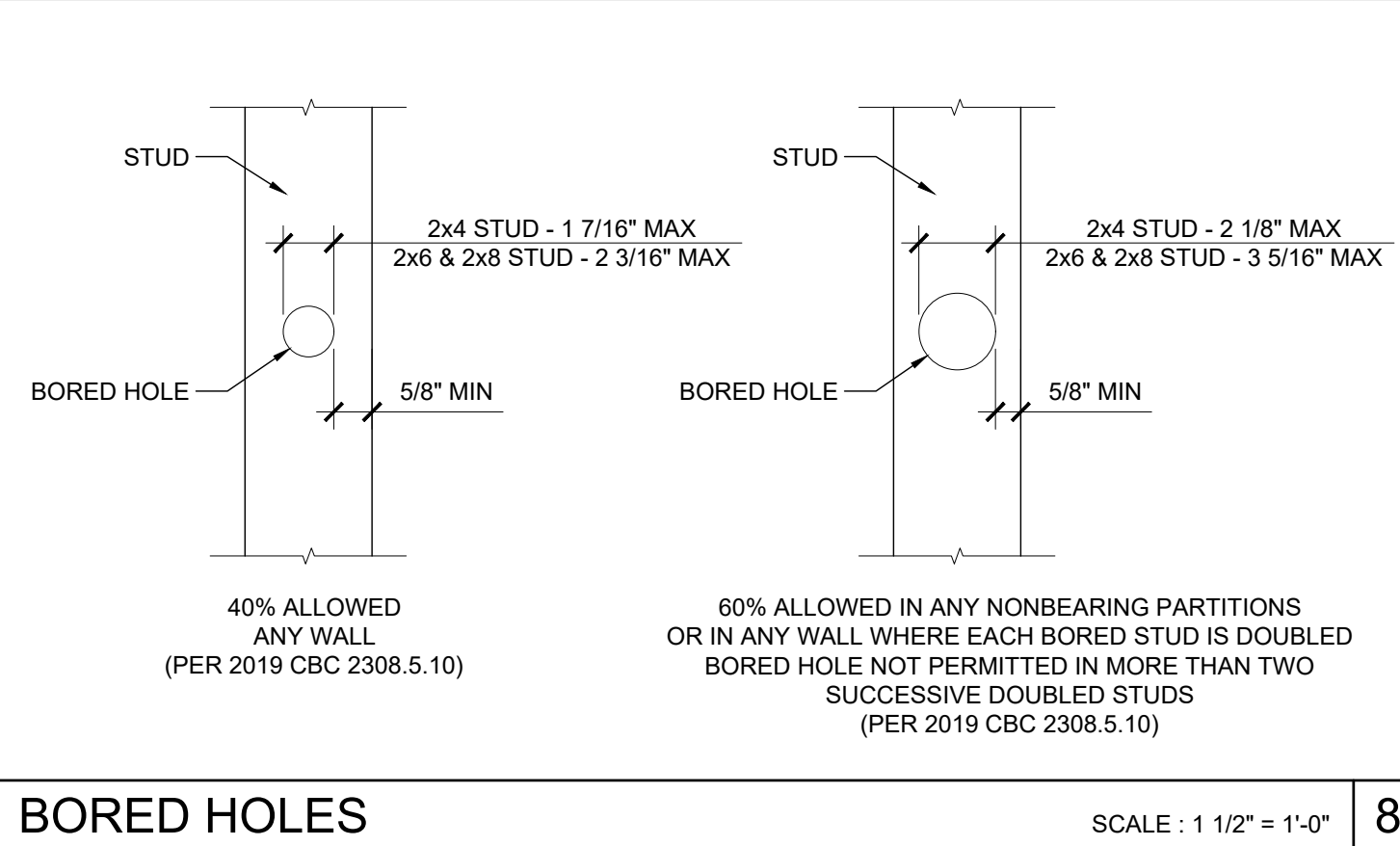
INTERIOR PARTITION SCALE: 3" = 1'-0" 12

CUTTING AND NOTCHING SCALE: 1 1/2" = 1'-0" 7

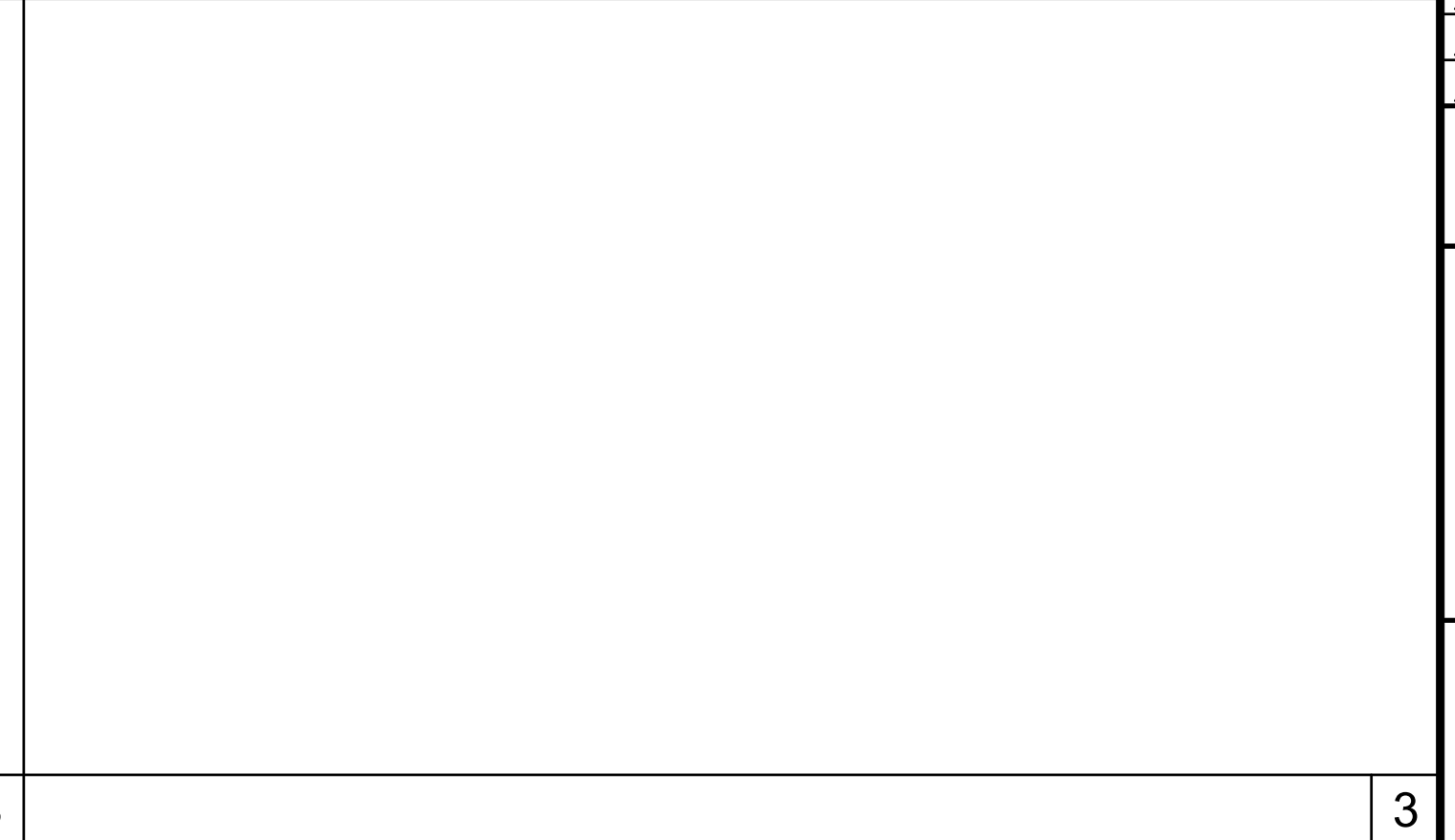
FULL HEIGHT INTERIOR PARTITION SCALE: 3" = 1'-0" 2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	ANY	(1)	2X6	HF	#2		N/A		(1)	2X6	HF	#2	
		ANY (OPT)	(1)	2X6	DF	#2		N/A		(1)	2X6	DF	#2	
	4070	ANY	(1)	2X6	HF	#2		N/A		(1)	2X6	HF	#2	
		ANY (OPT)	(1)	2X6	DF	#2		N/A		(1)	2X6	DF	#2	
	6040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
8040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2	
	ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2	

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A		(1)	2X8	HF	#2	
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A		(1)	2X8	DF	#2	
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A		(1)	2X8	HF	#2	
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A		(1)	2X8	DF	#2	
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2	
	NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2	



BORED HOLES SCALE: 1 1/2" = 1'-0" 8



FULL HEIGHT INTERIOR PARTITION SCALE: 3" = 1'-0" 3

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

2x6 OPENING STUDS SCHEDULE 19

2x8 OPENING STUDS SCHEDULE 14

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

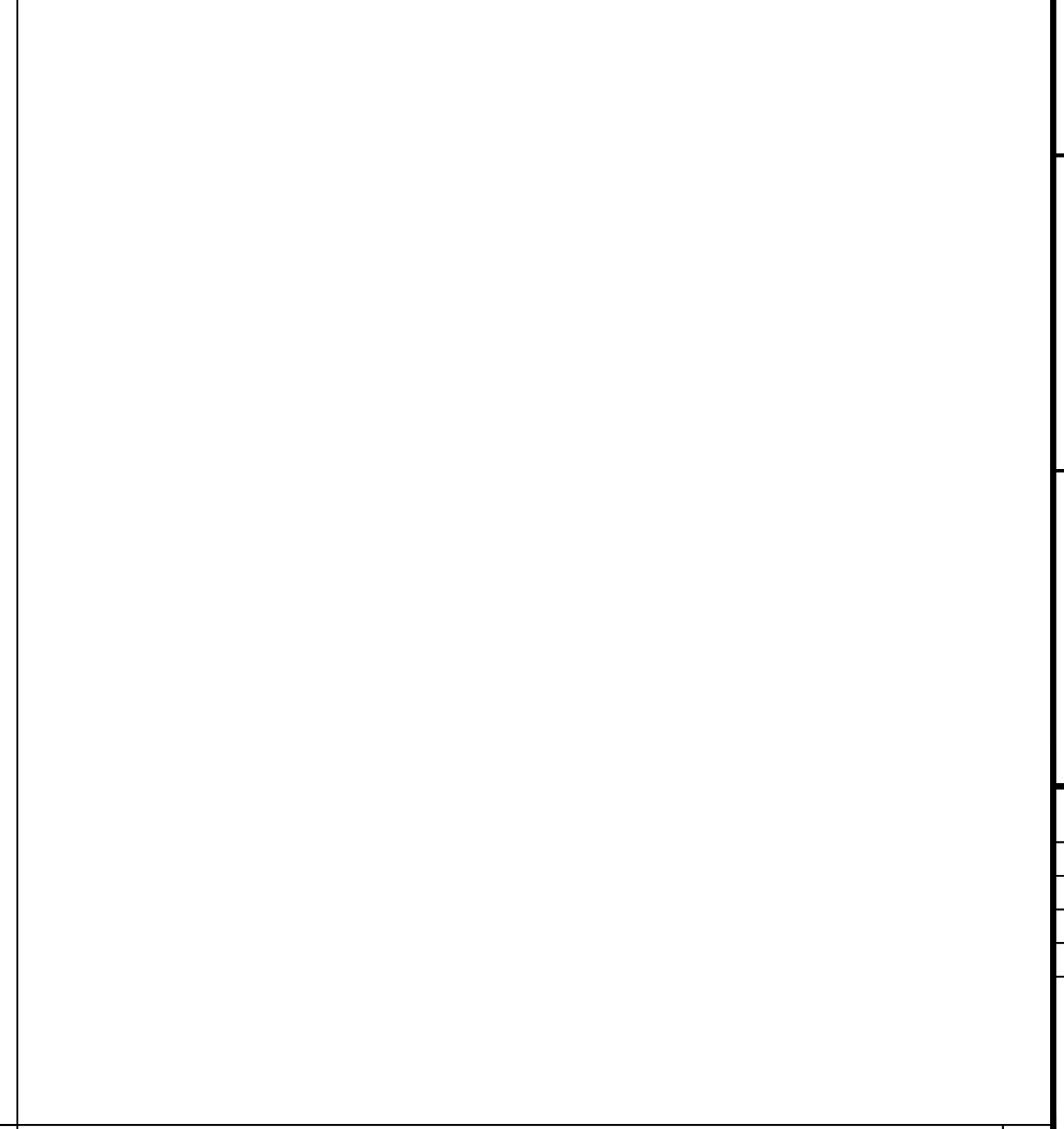
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

2x6 WALL FRAMING SCHEDULE 20

2x8 WALL FRAMING SCHEDULE 15



INTERIOR PARTITION SCALE: 3" = 1'-0" 10



FULL HEIGHT INTERIOR PARTITION SCALE: 3" = 1'-0" 5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**WALL FRAMING
DETAILS
WOOD STUDS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

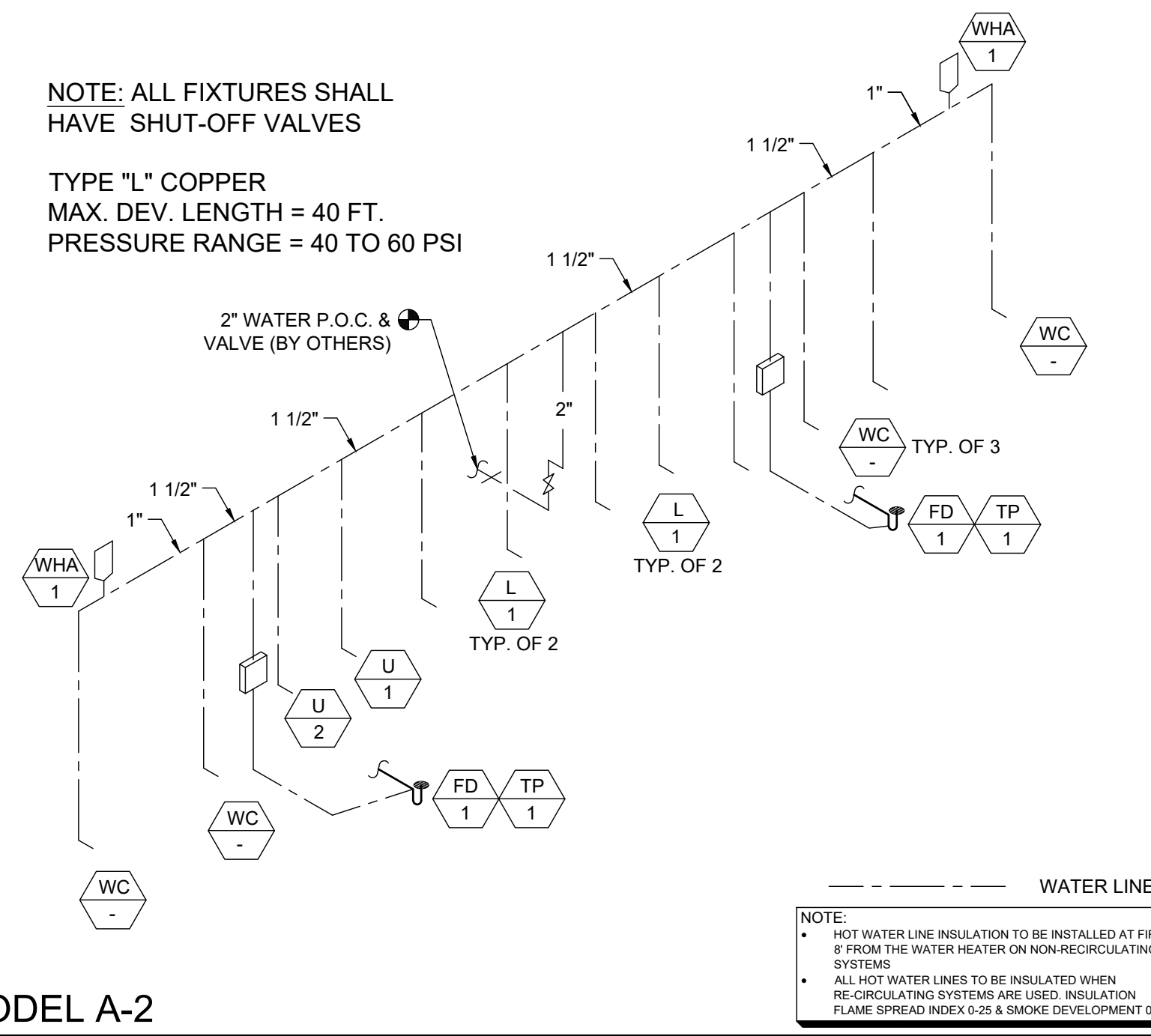
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

P.C. SHEET NUMBER
S-5.11

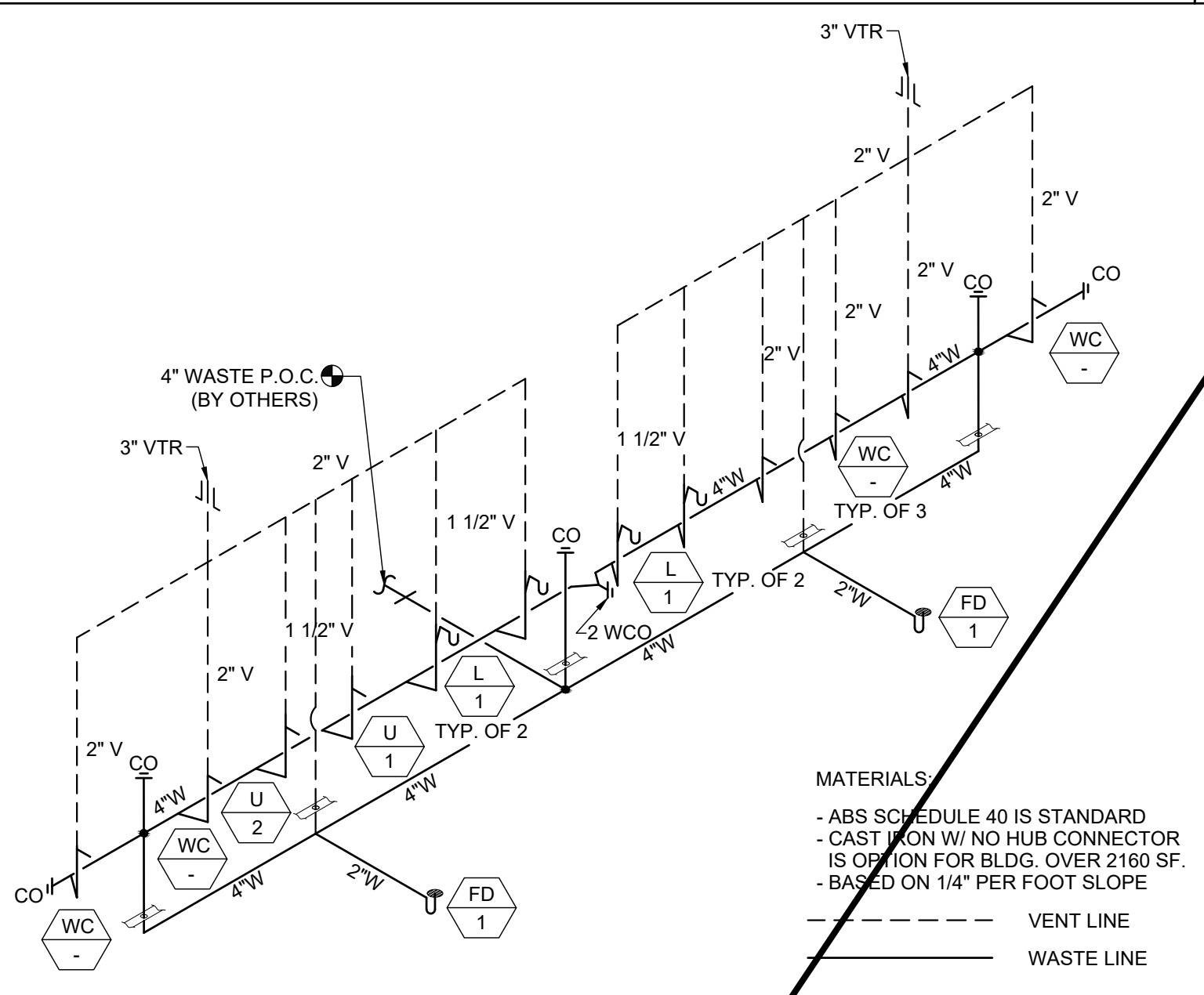
NOTE: ALL FIXTURES SHALL HAVE SHUT-OFF VALVES

TYPE "L" COPPER
MAX. DEV. LENGTH = 40 FT.
PRESSURE RANGE = 40 TO 60 PSI



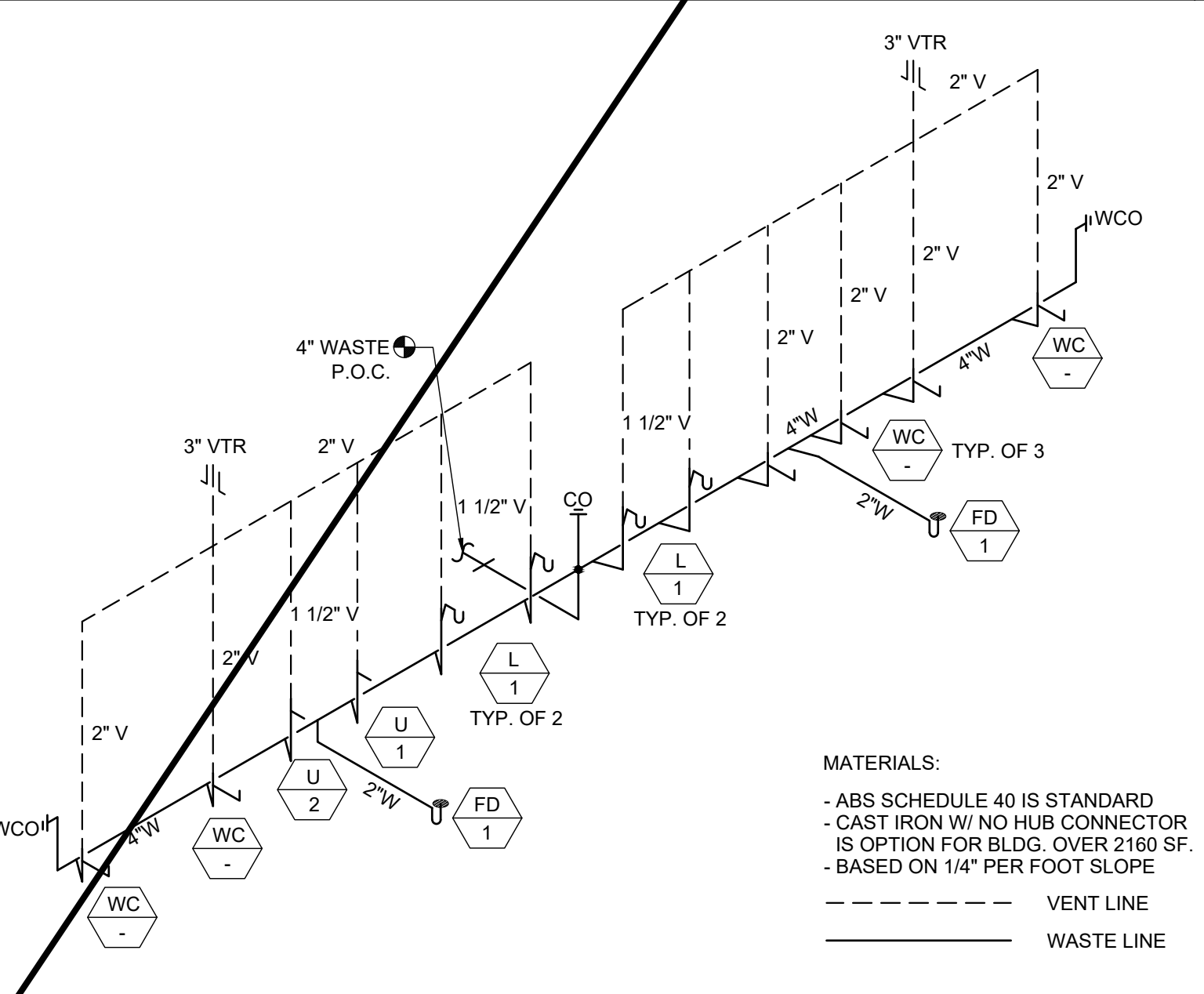
NOTE:
• HOT WATER LINE INSULATION TO BE INSTALLED AT FIRST 6" FROM THE WATER HEATER ON NON-RECIRCULATING SYSTEMS
• ALL HOT WATER LINES TO BE INSULATED WHEN RECIRCULATING SYSTEMS ARE USED. INSULATION FLAME SPREAD INDEX 0-25 & SMOKE DEVELOPMENT 0-450

MODEL A-2
SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT SCALE: N.T.S. 8



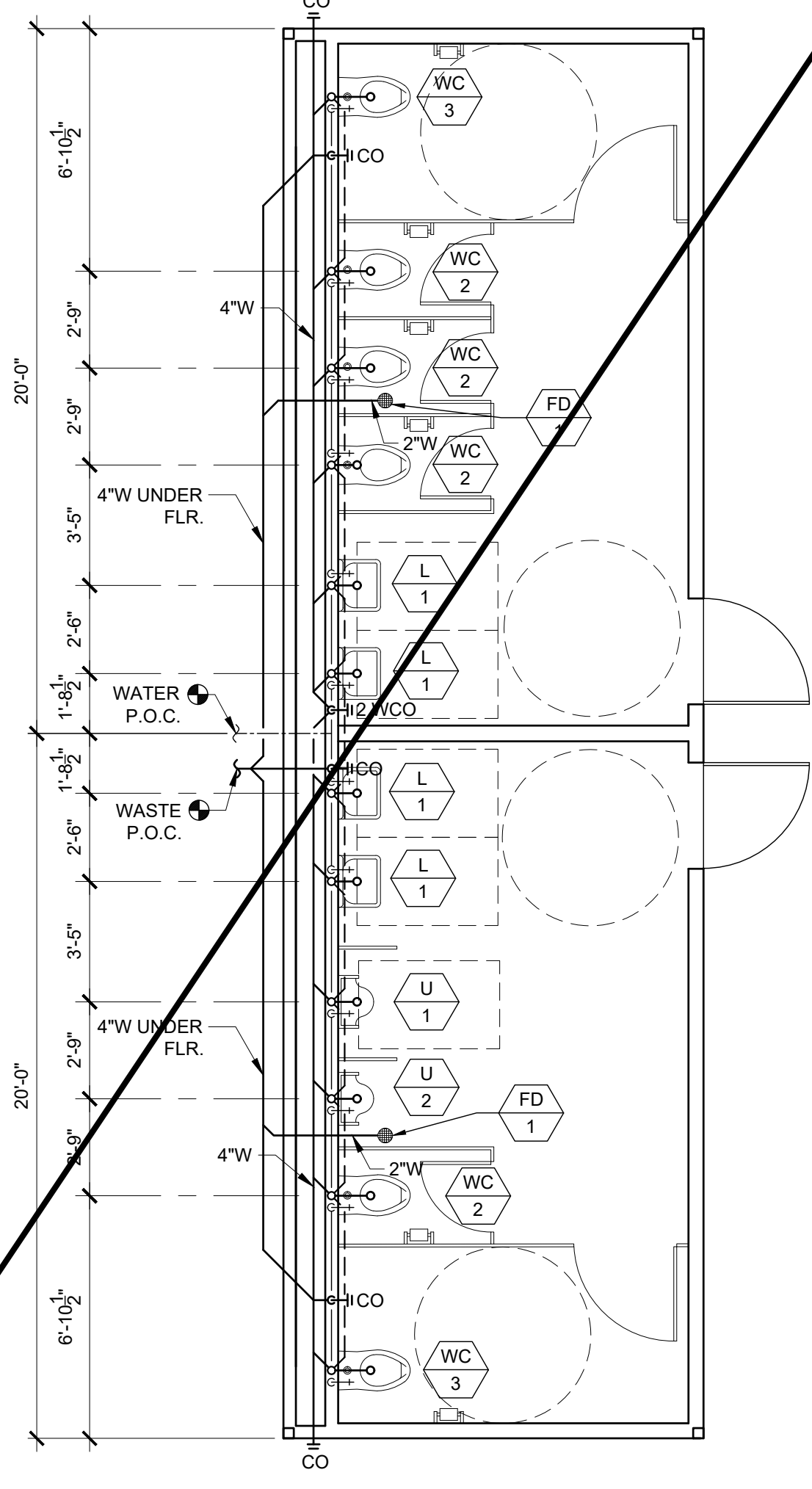
MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

MODEL A-2
WASTE AND VENTING ISOMETRIC - WALL MOUNT SCALE: N.T.S. 9

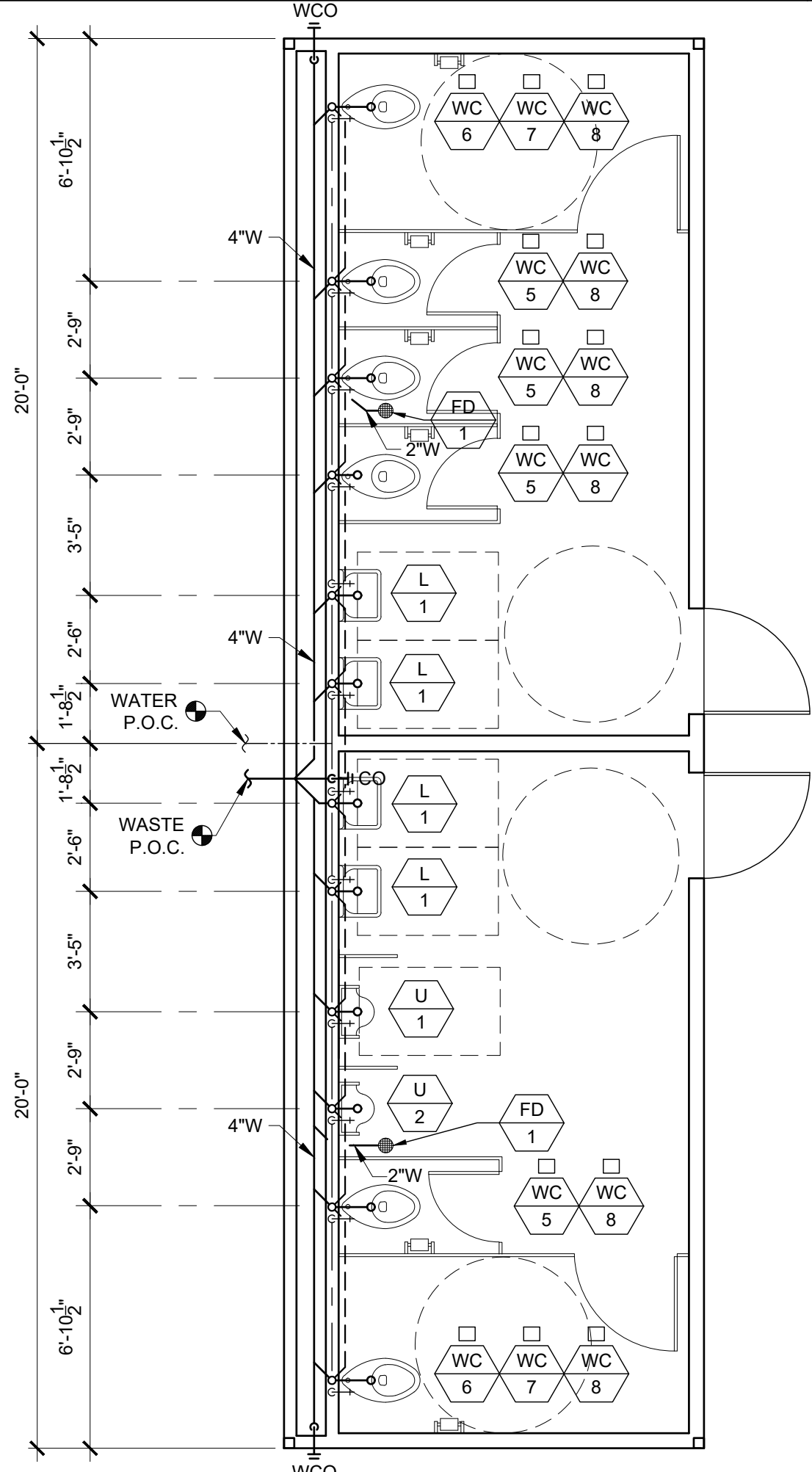


MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

MODEL A-2
WASTE AND VENTING ISOMETRIC - FLOOR MOUNT SCALE: N.T.S. 10



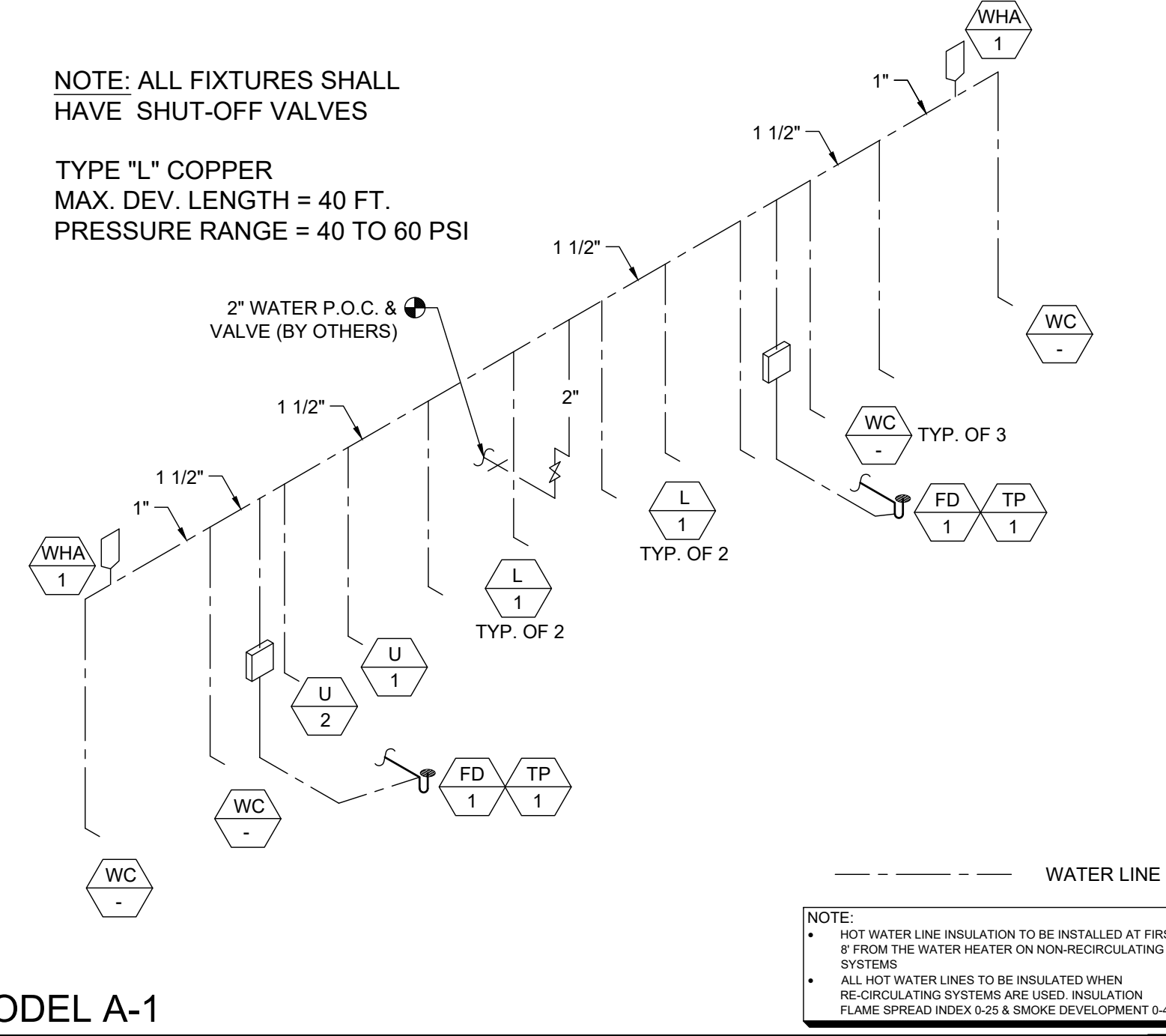
WALL MOUNT - MODEL A-2 (AGE 5-8 & 9-12)
PLUMBING PLAN SCALE: 1/4" = 1'-0" 6



FLOOR MOUNT - MODEL A-2 (AGE 3-4, 5-8 & 9-12)
PLUMBING PLAN SCALE: 1/4" = 1'-0" 7

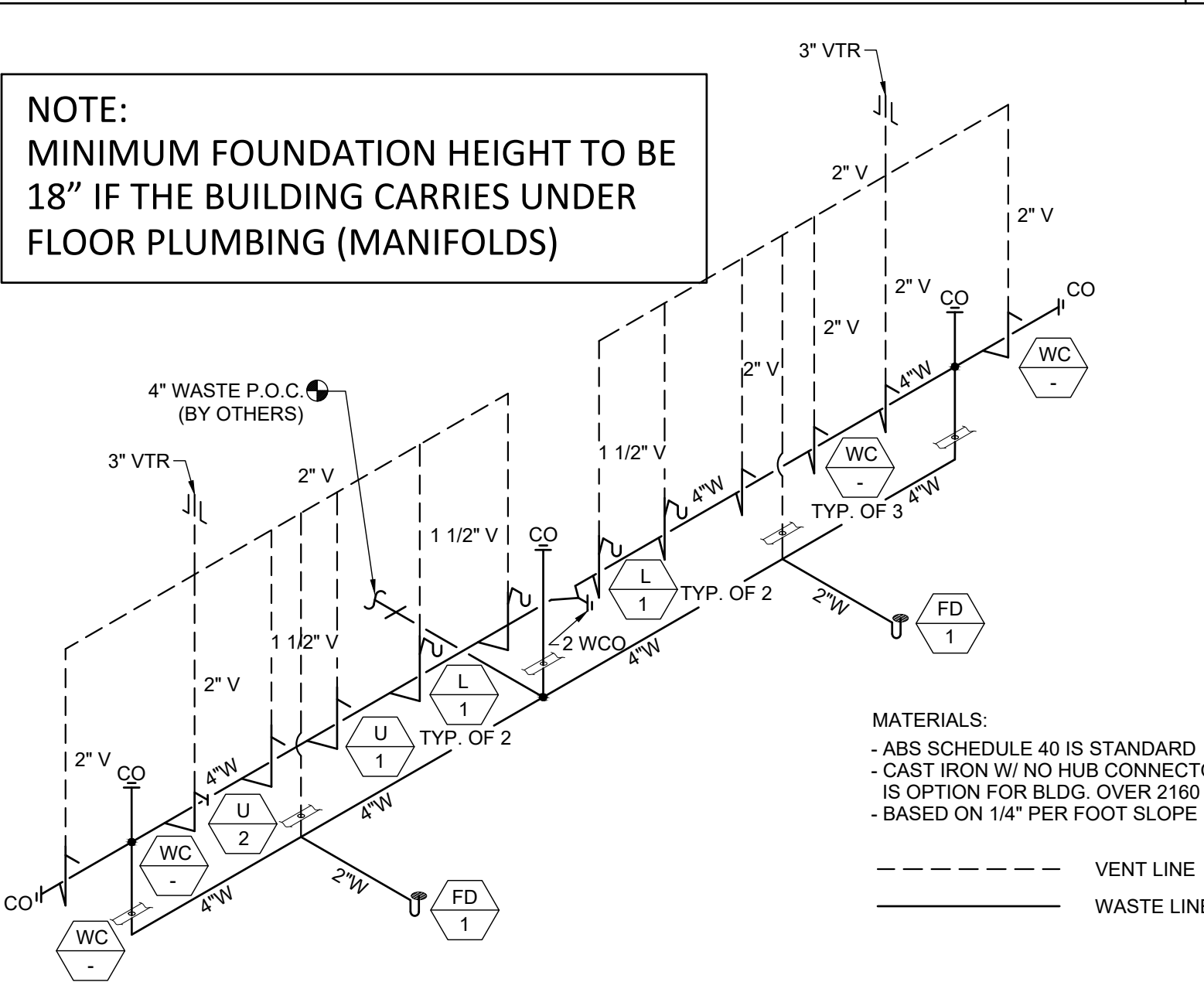
NOTE: ALL FIXTURES SHALL HAVE SHUT-OFF VALVES

TYPE "L" COPPER
MAX. DEV. LENGTH = 40 FT.
PRESSURE RANGE = 40 TO 60 PSI



NOTE:
• HOT WATER LINE INSULATION TO BE INSTALLED AT FIRST 6" FROM THE WATER HEATER ON NON-RECIRCULATING SYSTEMS
• ALL HOT WATER LINES TO BE INSULATED WHEN RECIRCULATING SYSTEMS ARE USED. INSULATION FLAME SPREAD INDEX 0-25 & SMOKE DEVELOPMENT 0-450

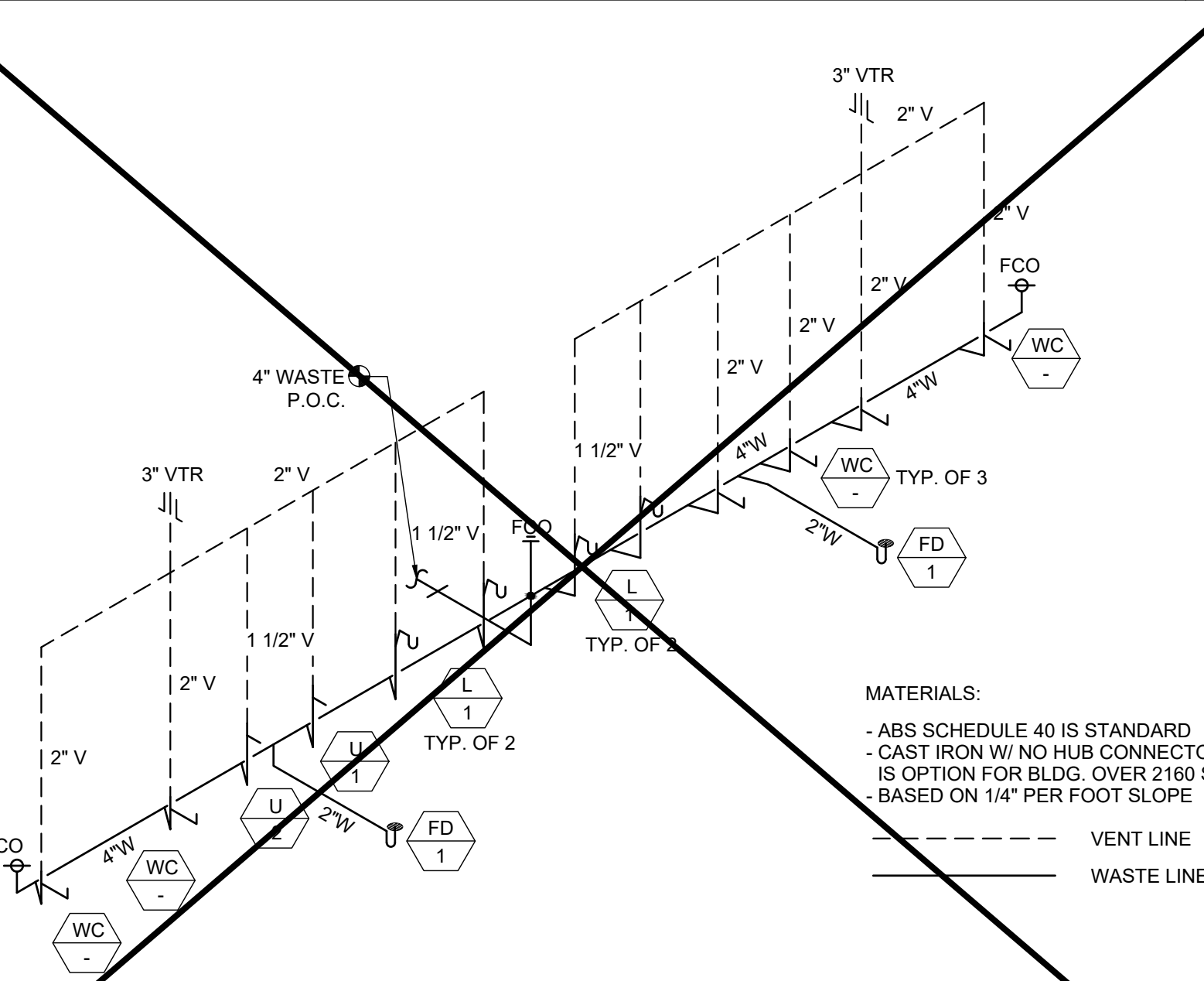
MODEL A-1
SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT SCALE: N.T.S. 3



NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

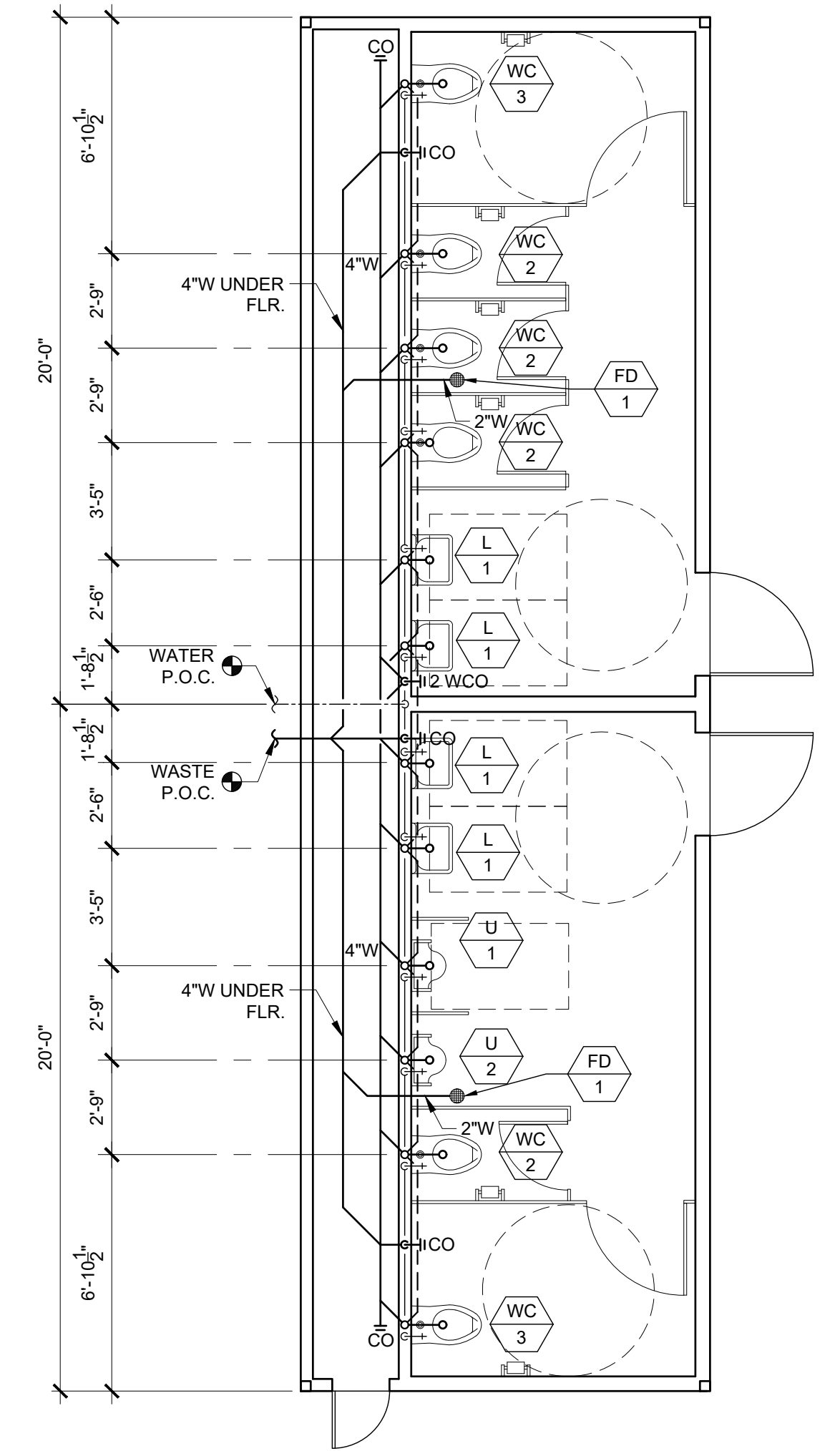
MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

MODEL A-1
WASTE AND VENTING ISOMETRIC - WALL MOUNT SCALE: N.T.S. 4

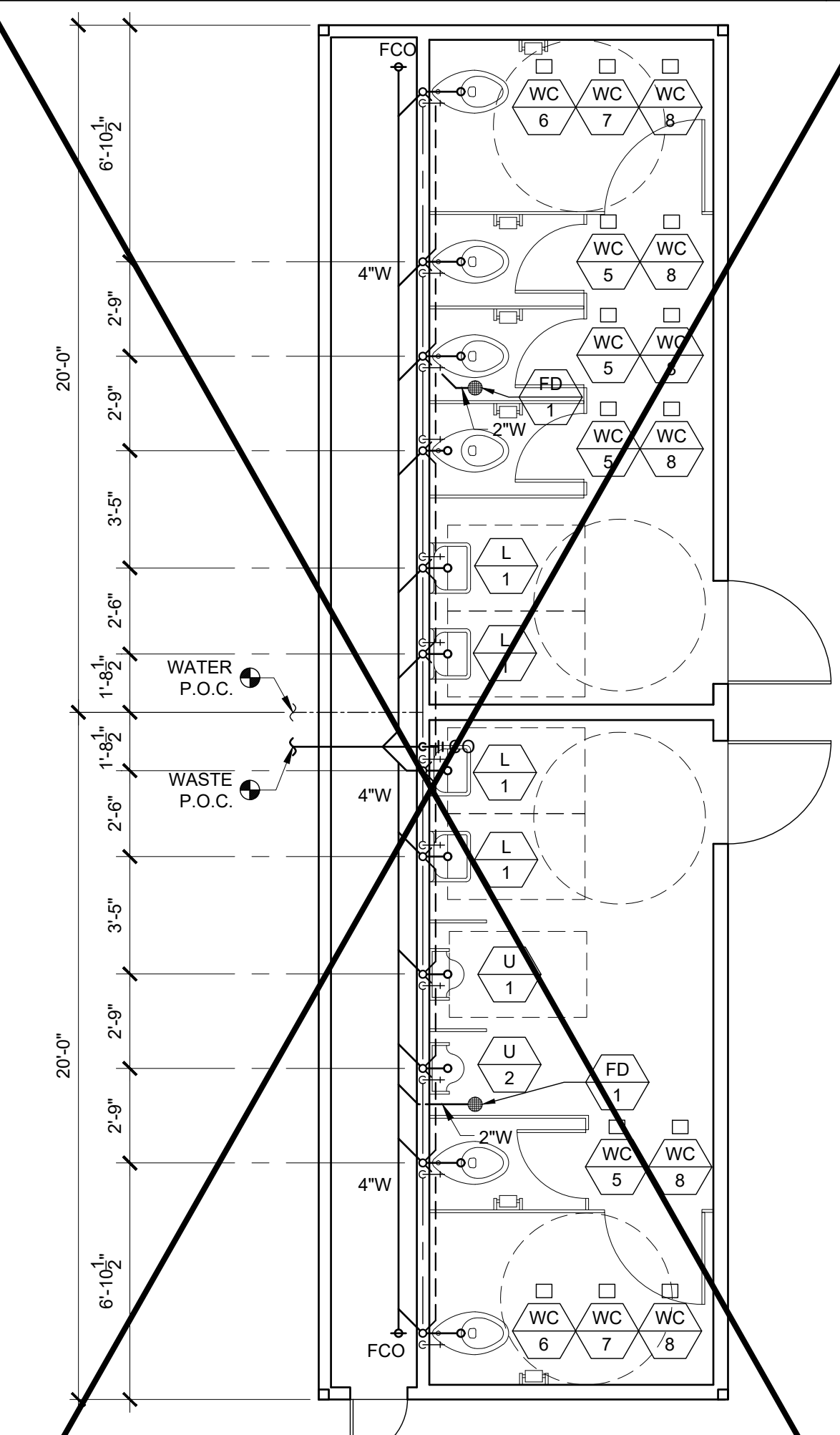


MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

MODEL A-1
WASTE AND VENTING ISOMETRIC - FLOOR MOUNT SCALE: N.T.S. 5



WALL MOUNT - MODEL A-1 (AGE 5-8 & 9-12)
PLUMBING PLAN SCALE: 1/4" = 1'-0" 1



FLOOR MOUNT - MODEL A-1 (AGE 3-4, 5-8 & 9-12)
PLUMBING PLAN SCALE: 1/4" = 1'-0" 2

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI INC SHALL BE THE PROPERTY OF SCI INC

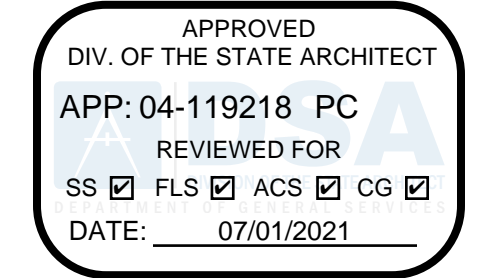
PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**PLUMBING PLAN
AND ISOMETRICS
MODEL A-1 OR A-2
AGE (3-4), (5-8) & (9-12)**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.



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



SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020
P.C. SHEET NUMBER

P-1.01E

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES ACCEPTS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE DIMENSIONS ARE BASED ON CBC TABLE 11B-604.9 SUGGESTED DIMENSIONS FOR SERVING CHILDREN AGES 3 TO 12.

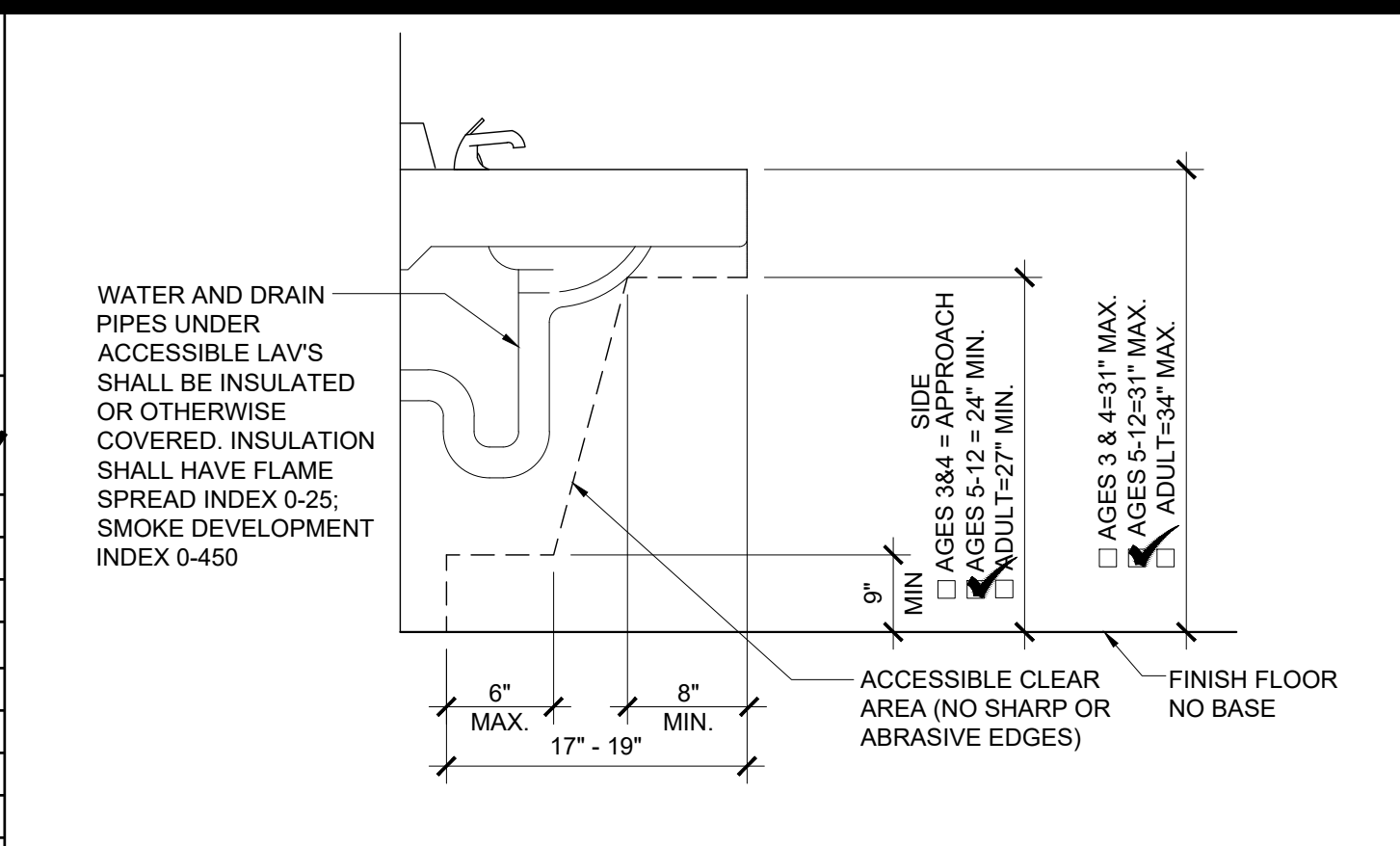
ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	13" - 15"	11" - 12"
GRAB BAR HEIGHT (TO TOP)	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	7" - 9"	7" - 9"	7" - 9"	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	40" MAX.	36" MAX.	32" MAX.
DISPENSER HEIGHT	19" MIN.	17" - 19"	14" - 17"	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.	31" MAX. SIDE APPROACH
LAVATORY/SINK KNEE CLEARANCE	24" MIN.	24" MIN.	24" MIN.	24" MIN.
URINAL LIP HEIGHT	7" MAX.	17" MAX.	15" MAX.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX.	32" MAX.
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	27" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	SIDE APPROACH	SIDE APPROACH	SIDE APPROACH
HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN.	15" MIN.	15" MIN.	15" MIN.
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	24"	24"
URINAL LIP HEIGHT	24"	24"	24"	24"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

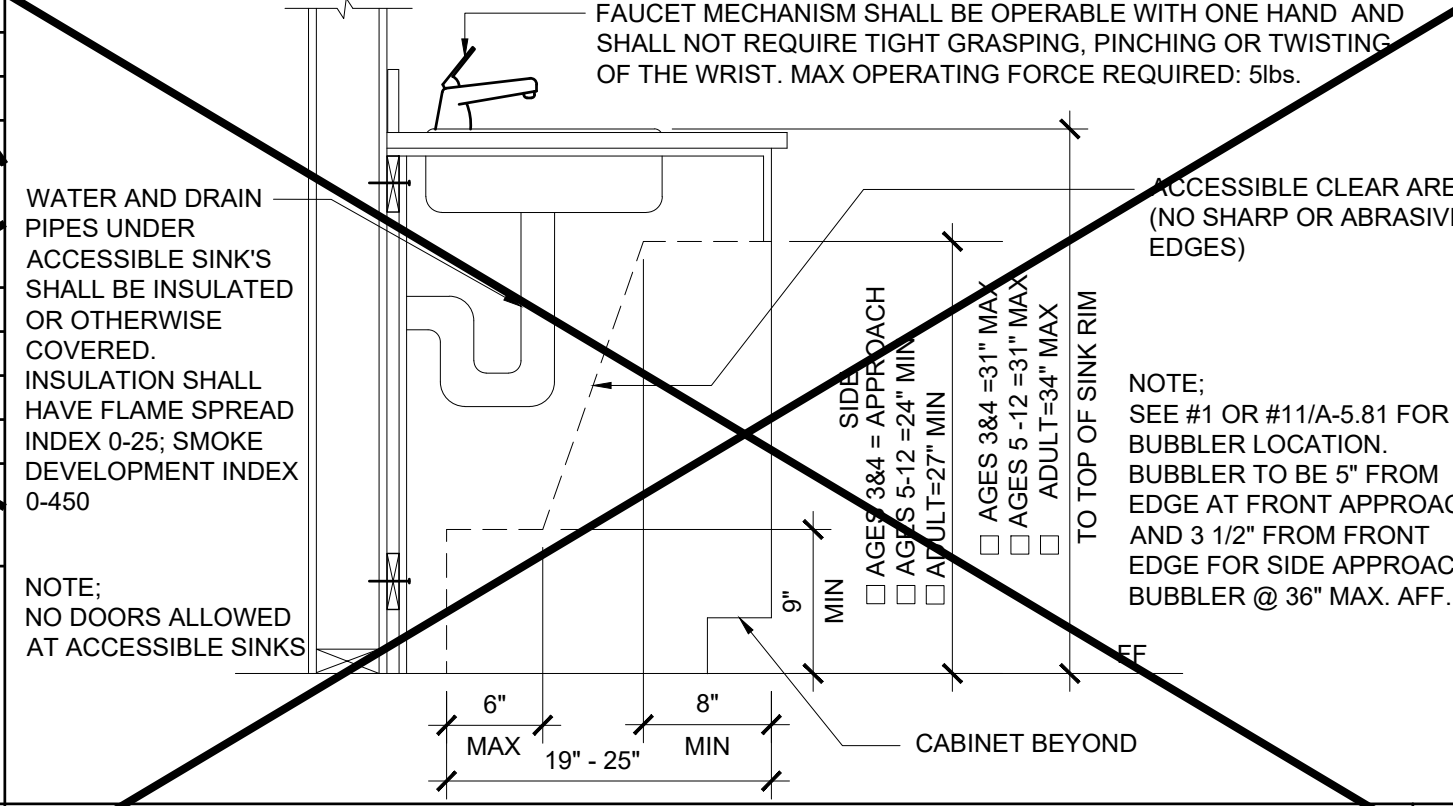
PLUMBING ACCESSORIES (REF. ONLY-MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION	C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCRUSH INTO 30x48 CLEAR SPACE OF FIXTURE	D TOILET SEAT DISPENSER: SURFACE MOUNTED 44" MAX. PER CODE

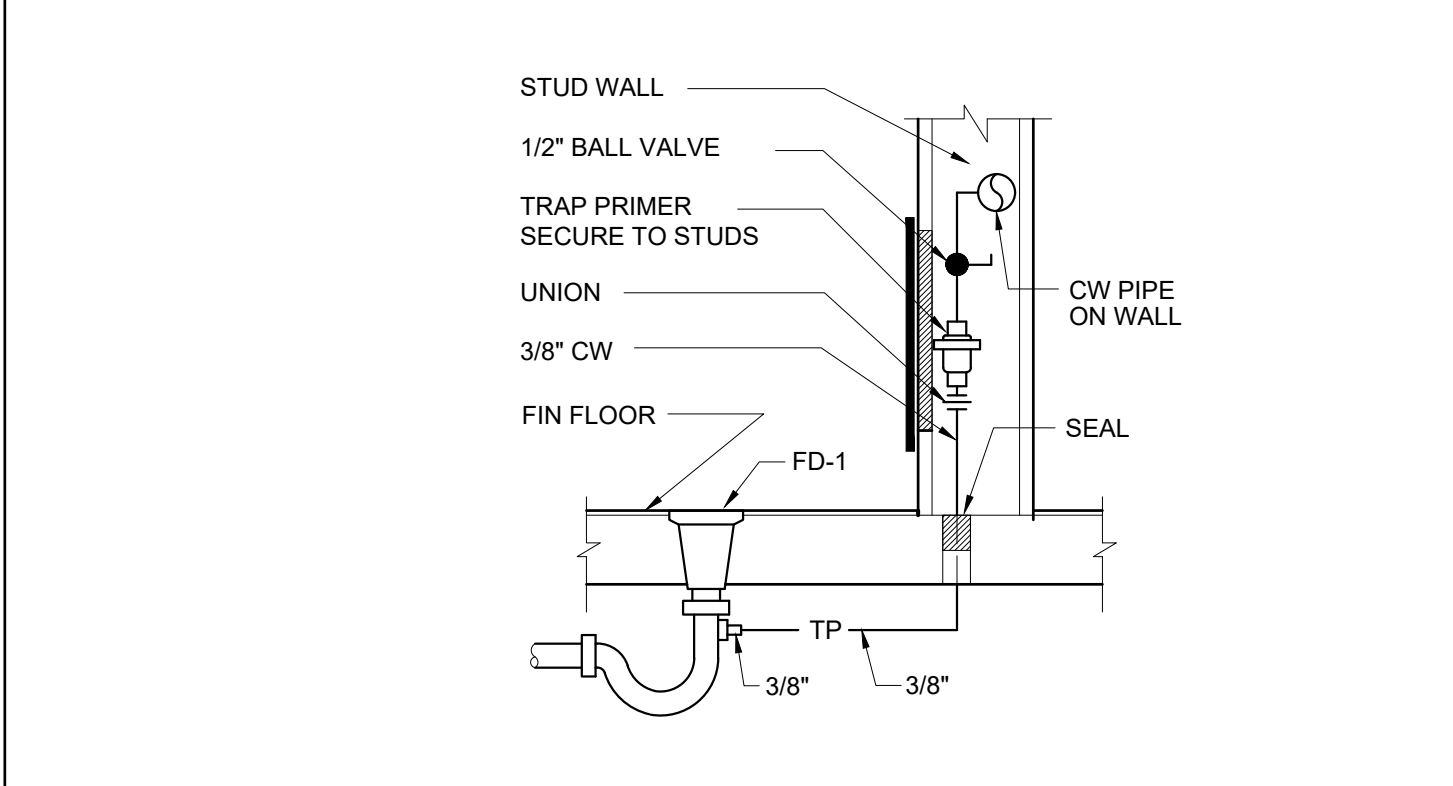
MOUNTING HEIGHTS TABLE



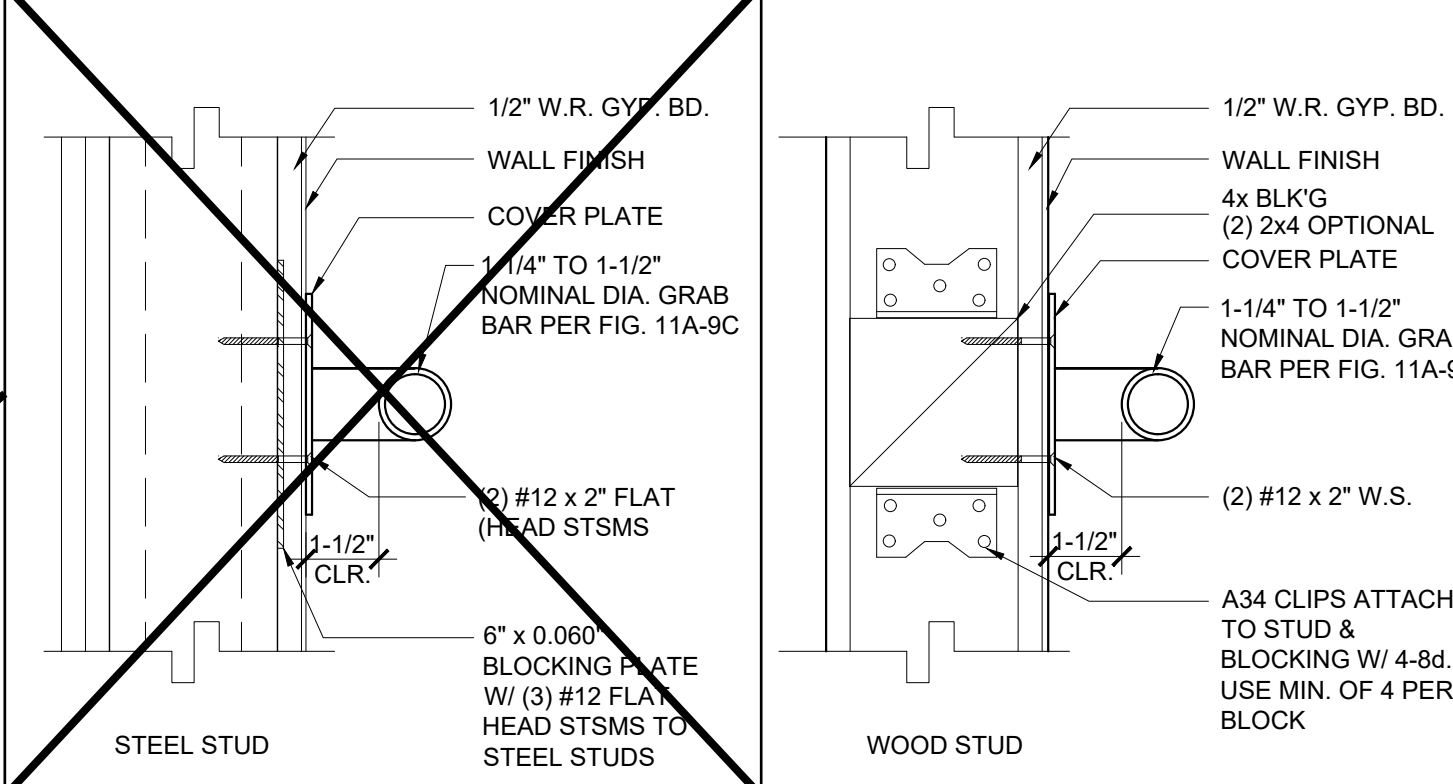
ACCESSIBLE LAV CLEARANCE SCALE: N.T.S. 6



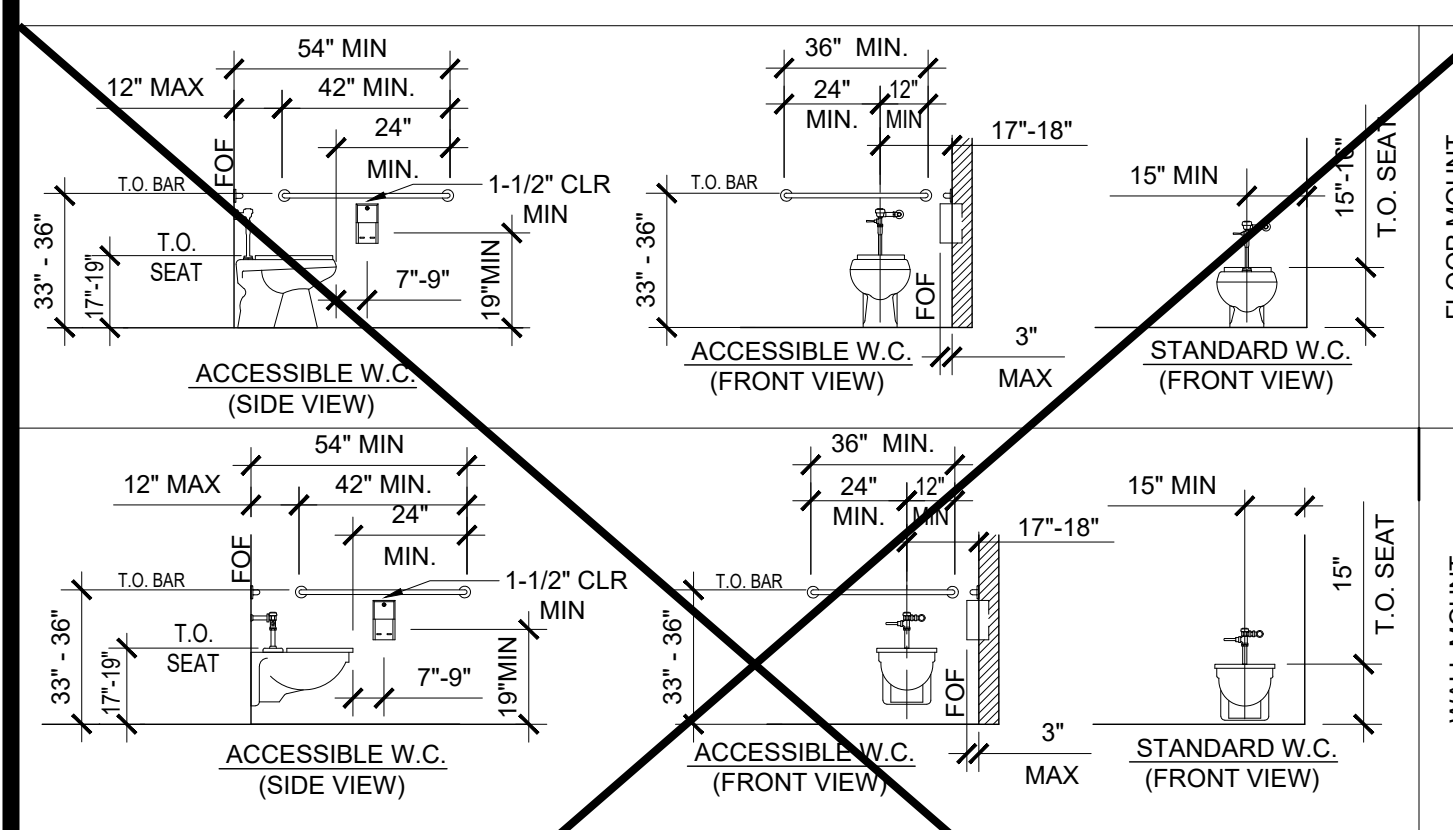
ACCESSIBLE SINK CABINET (OPTION) SCALE: N.T.S. 7



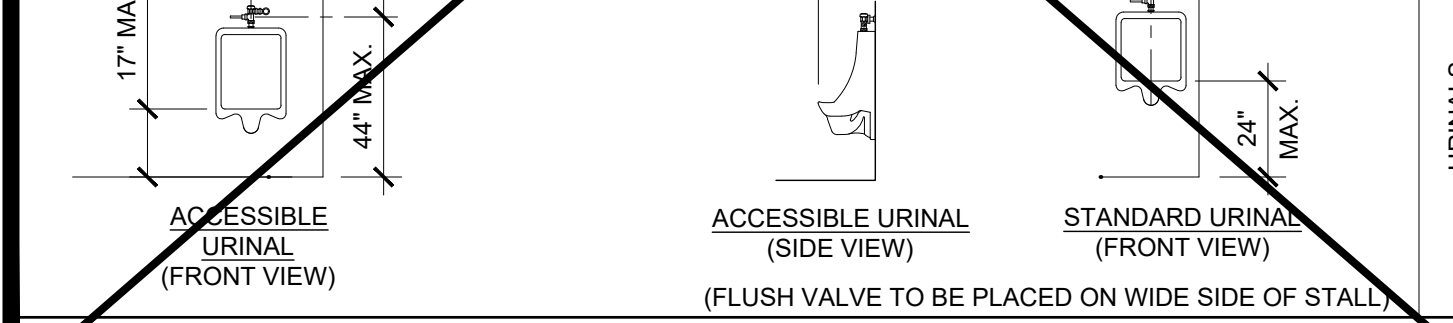
TRAP PRIMER TO FLOOR DRAIN SCALE: N.T.S. 8



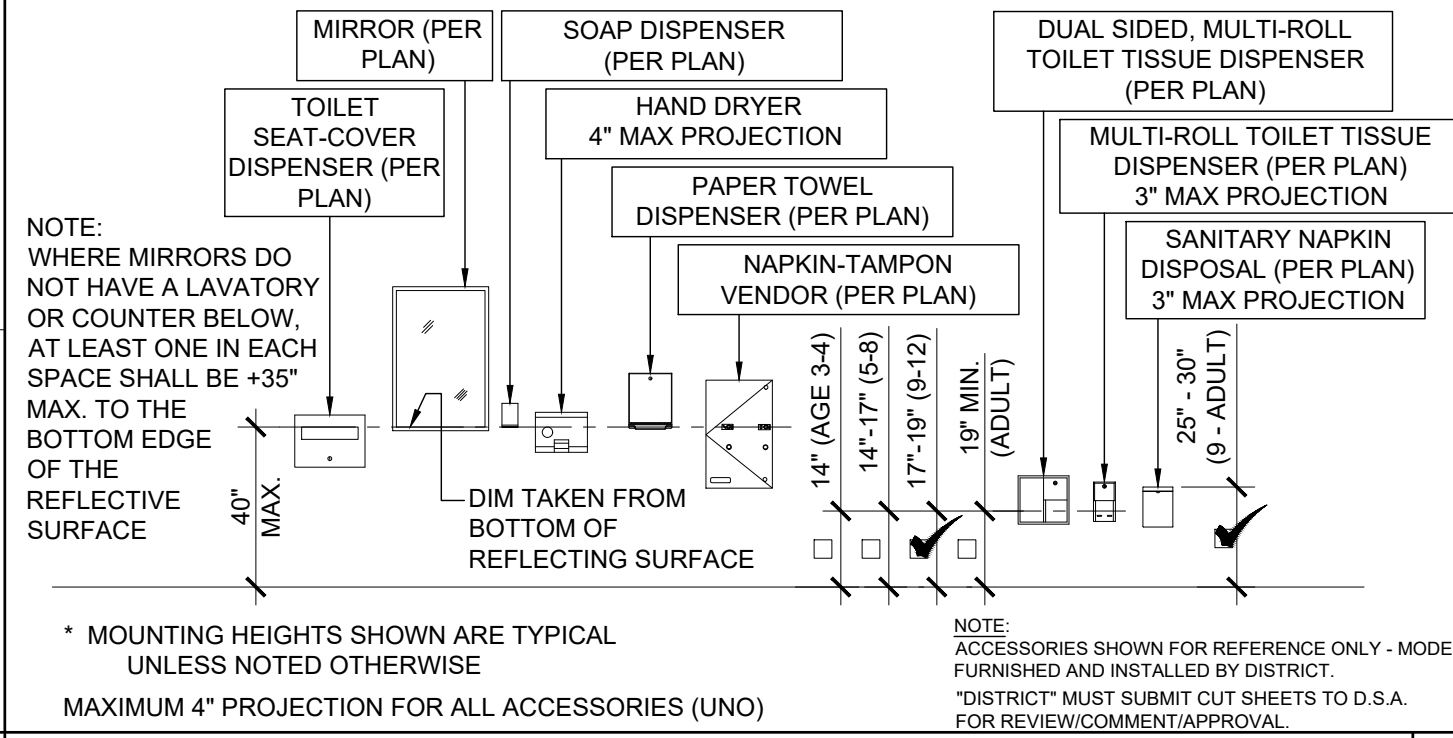
GRAB BAR CONNECTION DETAIL 9



TOILET FIXTURE MOUNTING HEIGHTS (ADULT) 15



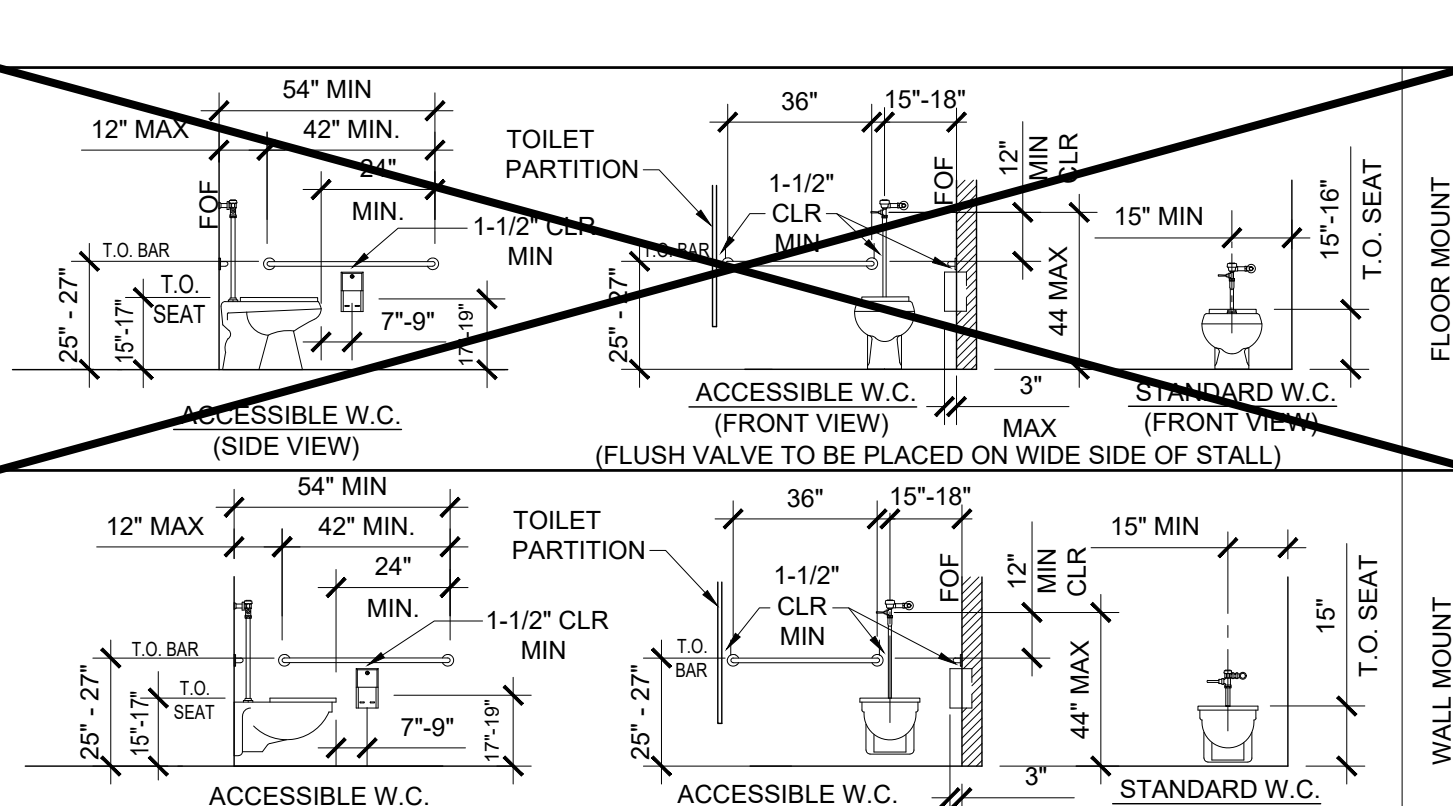
TOILET ACCESSORIES MOUNTING HEIGHTS 10



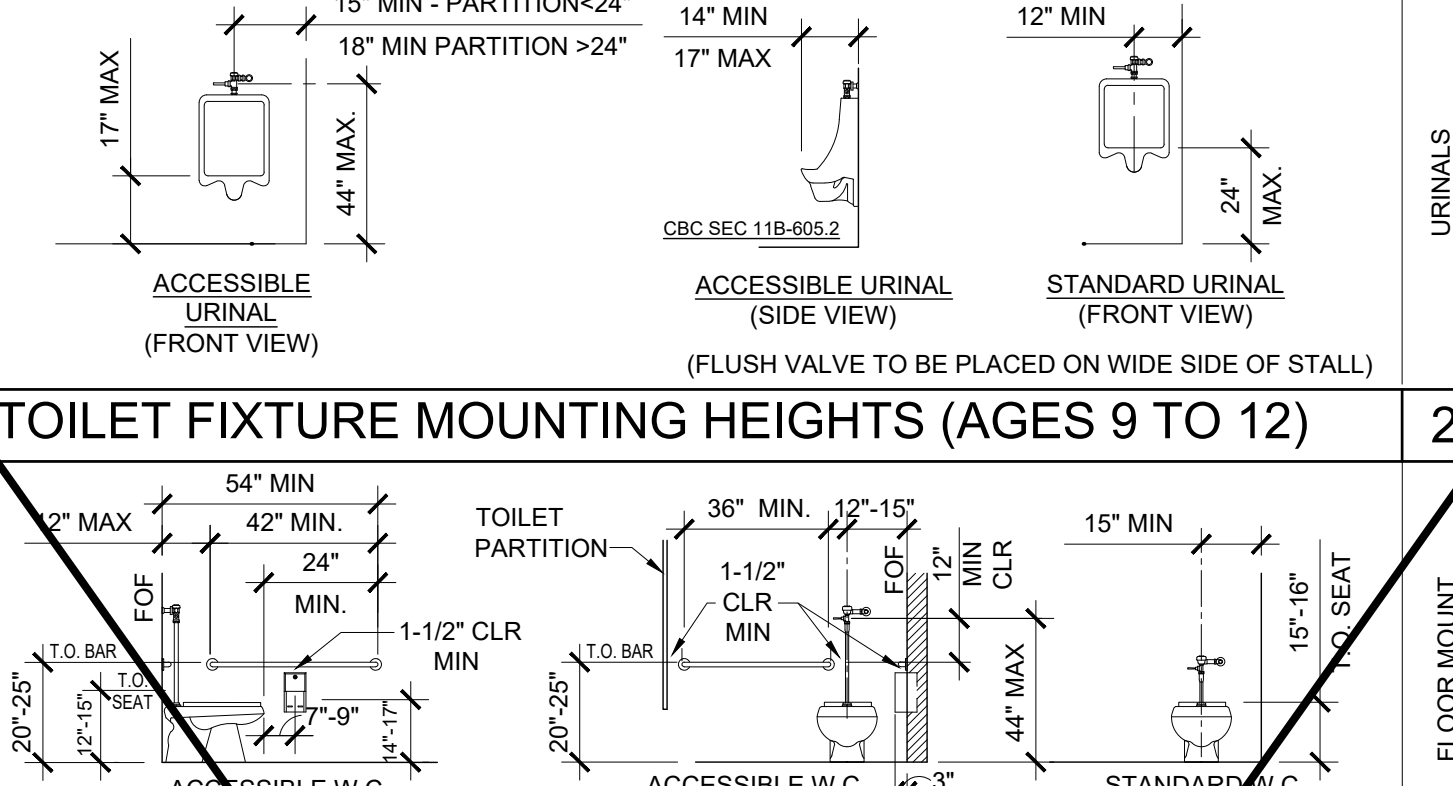
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 THRU 8) 4



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO 12) 2



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5



PLUMBING FIXTURE SCHEDULE A

SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 1	[ADULT] WATER CLOSET WALL MTD/FLUSH (ACCESSIBLE)	1"	-	-	-	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET, OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 2	[AGE 5 TO ADULT] WATER CLOSET WALL MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET, OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 3	[AGE 5 TO 12] WATER CLOSET WALL MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET, OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 4	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 (1.28 GPF) ALT: AMERICAN STD 3043.001 "MADERA" 16 3/4" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 5	[AGE 5 TO ADULT] WATER CLOSET FLOOR MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 6	[AGE 9-12] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 7	[AGE 5-8] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	AMERICAN STANDARD 2599.001 MADERA YOUTH (1.28 GPF) 14" HIGH, VITREOUS CHINA ELONG. RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10SSCTFR ELONGATED WHITE PLASTIC SEAT; SLOAN ROYAL #115-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 8	[AGE 3-4] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE & NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1700BB (1.28 GPF) ALT: AMERICAN STANDARD BARR DEVORO 2282.010 VITREOUS CHINA ELONGATED RIM, 10" ROUGH-IN LOW CONSUMPTION CLOSURE BOWL; OLSONITE 126CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSH VALVE
LAV 1	LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0355.012 LUCERNE ALT: CRANE 1-412V "HARWICH" 20X18" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER; OLYMPIA #6161 SINGLE HANDLE FAUCET (0.5 GPM)
UR 1	URINAL (ACCESSIBLE)	3/4"	-	2"	1 1/2"	STD: PROFLO PF 1815 (0.125 GPF) ALT: AMERICAN STANDARD 6550.501 VITREOUS CHINA, WALL HUNG, SIPHON JET URINAL WITH INTEGRAL TRAP; SLOAN REGAL 186-0.125 LOW CONSUMPTION FLUSHOMETER VALVE
UR 2	URINAL (NON-ACCESSIBLE)	3/4"	-	2"	1 1/2"	STD: PROFLO PF 1815 (0.125 GPF) ALT: AMERICAN STANDARD 6550.501 WASHOUT VITREOUS CHINA, WALL HUNG URINAL WITH INTEGRAL TRAP; SLOAN REGAL 186-0.125 LOW CONSUMPTION FLUSHOMETER VALVE
FD 1	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB. FLOOR DRAIN TAPPED FOR PRIMER. 5" NICKEL BRONZE STRAINER W/ 1/4" MAX. GRATE OPENINGS
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"x12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
WHA 1	WATER HAMMER ARRESTOR	1"	-	-	-	PPP SC-1000
GB 1	GRAB BAR	-	-	-	-	BOBRICK B-6806-1/12 OC STAINLESS STEEL GRAB BAR - SATIN FINISH; 36" LONG ON BACK AND 42" ON SIDE
MR 1	MIRROR	-	-	-	-	SERIES 530 RETURNED MIRRORS STAINLESS STEEL - 18GA 18"x24" - "J" SHEET METAL MANUFACTURED OR APPROVED EQUAL
PAR 1	TOILET PARTITION	-	-	-	-	METAL POWDER COATED
MS 1	MOP SINK	1/2"	1/2"	2"	1 1/2"	KOHLER K-6714 "BANNON" 22"x18" CAST IRON 200 RESISTANT SINK; K-8905-RP "KNOXFORD" FAUCET; K-6672 2" I.P.S. TRAP
CS 1	CLASSROOM SINK (OPTION)	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD #771A-000 28"x28" CAST IRON W/ CHICAGO FAUCET #358-R, 853 WALL HOOK, AND 2" K-9142 STRAINER
WH 1	WATER HEATER (OPTION)	3/4"	3/4"	-	-	[] A.O. SMITH #DEL-6 (6 GALLON) [] A.O. SMITH #DEL-10 (10 GALLON)
WH 2	INSTANT WATER HEATER (OPTION)	1/2"	1/2"	-	-	EEMAX #SP3012, 120V, 3.0 KW, 25A
DF 1	DRINKING FOUNTAIN	1/2"	-	2"	1 1/2"	HALSEY-TAYLOR / BI-LEVEL HAC8FSBL-Q / COOLING TYPE

**** NOTE:** WHERE FLUSH VALVES OR TOILET TANKS CONFLICT WITH THE REAR GRAB BAR, THE 36" REAR GRAB BAR SHALL BE SHIFTED TO THE OPEN SIDE OF THE TOILET AREA WITH 1 1/2" MIN. CLEARANCE FROM FIXTURE OR CONTROL VALVE.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**PLUMBING DETAILS
AND SCHEDULE**

REVISIONS

PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS [] FLS [] ACS [] CG []
DATE: 07/01/2021

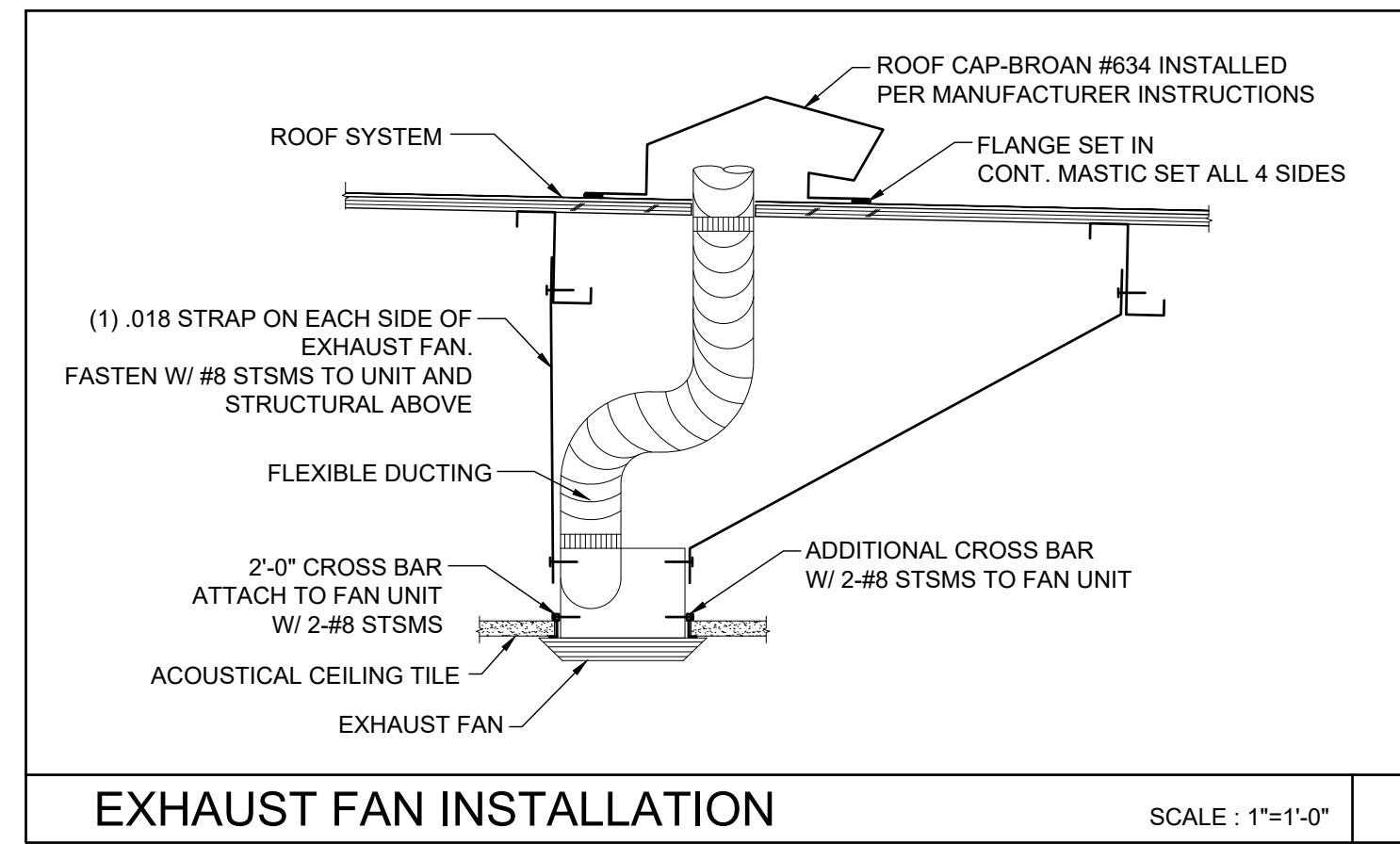
PC STATE AGENCY APPROVAL
SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020
P.C. SHEET NUMBER
P-2.01

LEGEND		
SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
	UC	UNDERCUT DOOR
	STAT	THERMOSTAT
	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION



EXHAUST FAN INSTALLATION SCALE: 1"=1'-0"

GENERAL NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPE, AND CONDUIT.

- 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.
- 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.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

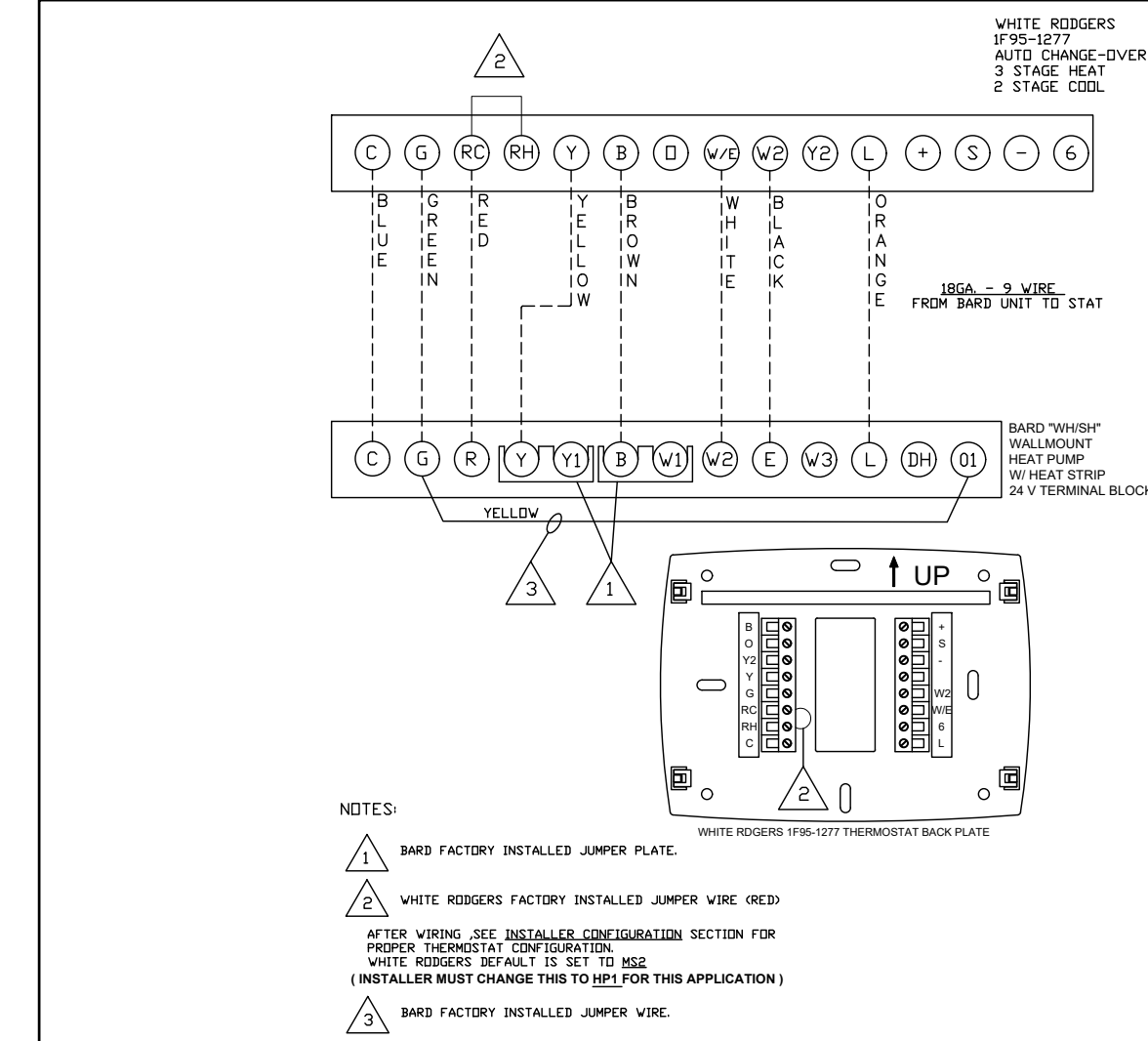
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2019 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



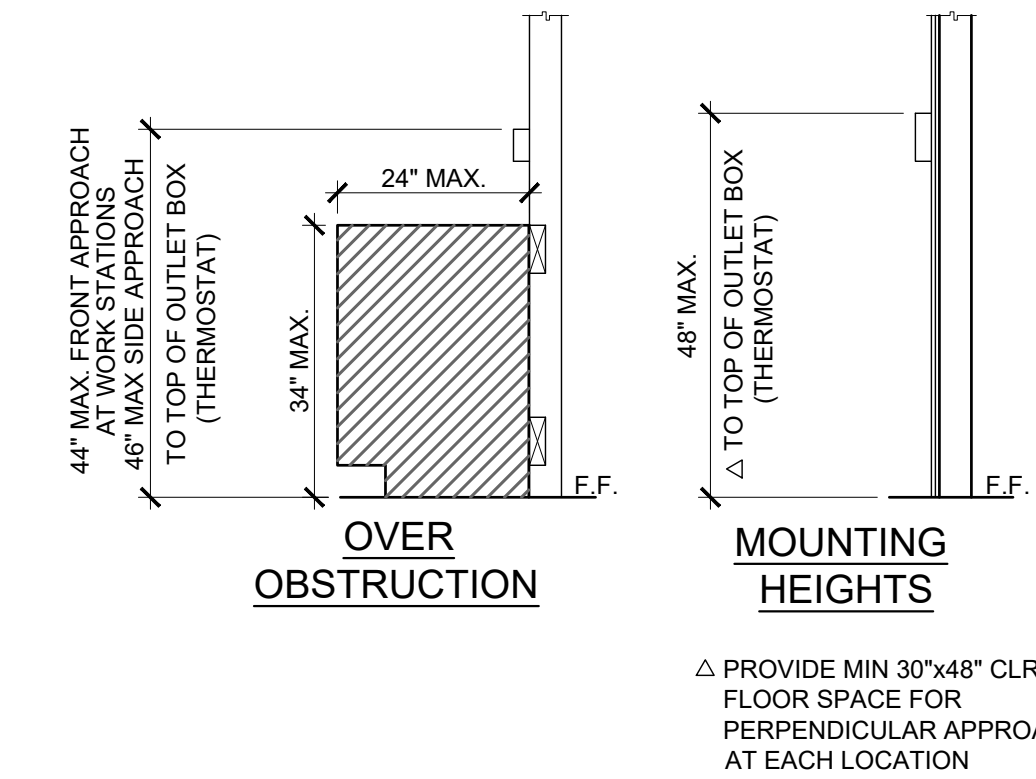
UNIT TO THERMOSTAT WIRING

SCALE	A
NONE	

CEILING MOUNTED EXHAUST FAN SCHEDULE

SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL			WGT.	REMARKS
								VOLTS	Ø	POWER		
EF 1	CEILING	TOILET EXHAUST	BROAN	676	100	4.0	0.25	120	1	156 WATTS	7 LBS.	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 4	CEILING	TOILET EXHAUST	BROAN	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

OR APPROVED EQUAL.



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:
**MECHANICAL NOTES,
SCHEDULES, & DETAILS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL
SILVER CREEK INDUSTRIES, INC.

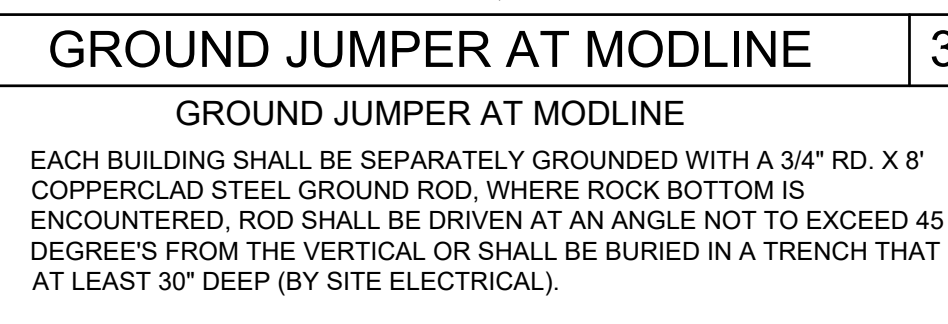
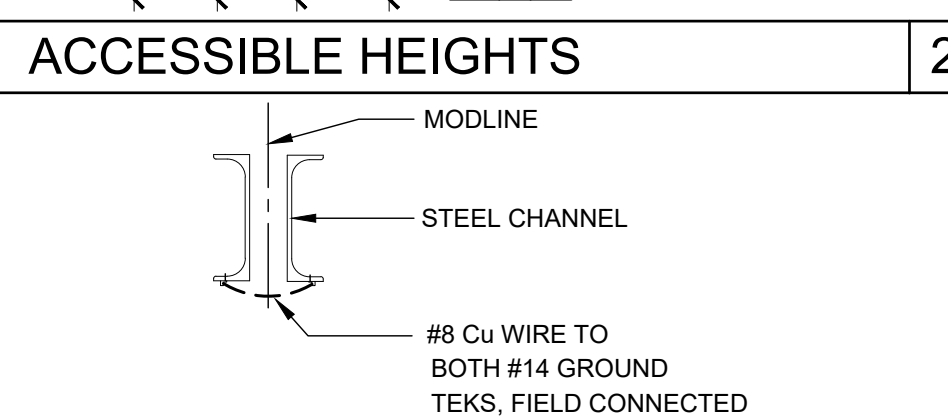
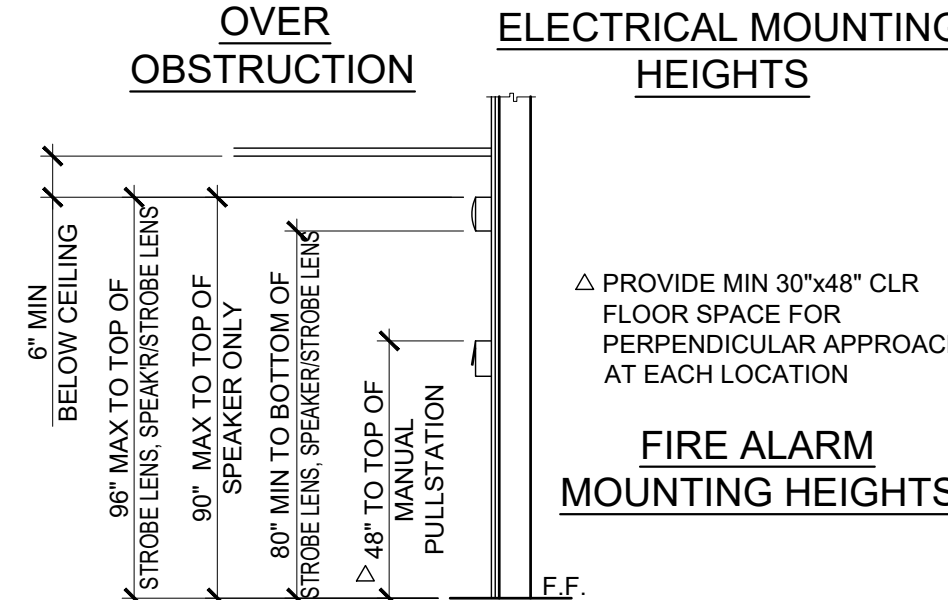
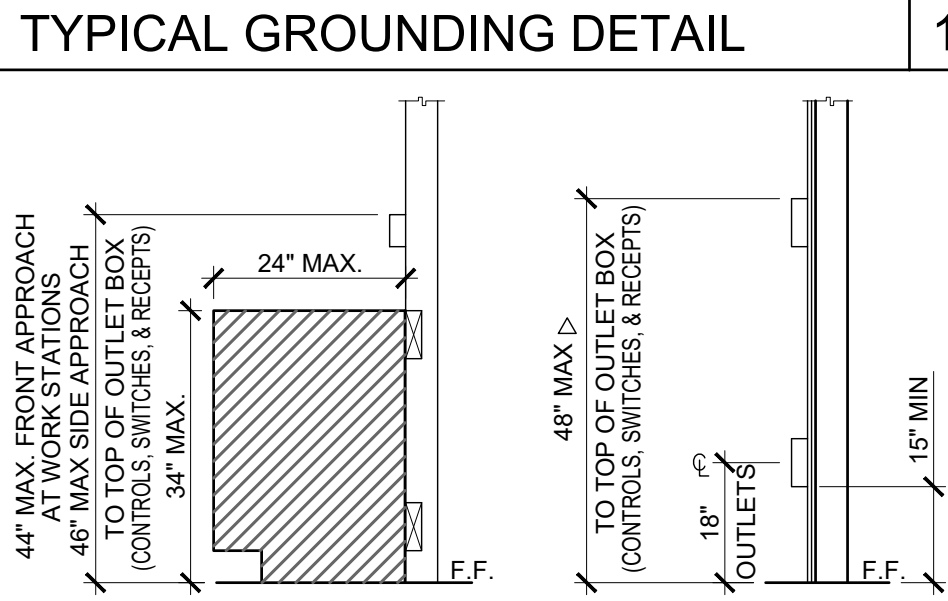
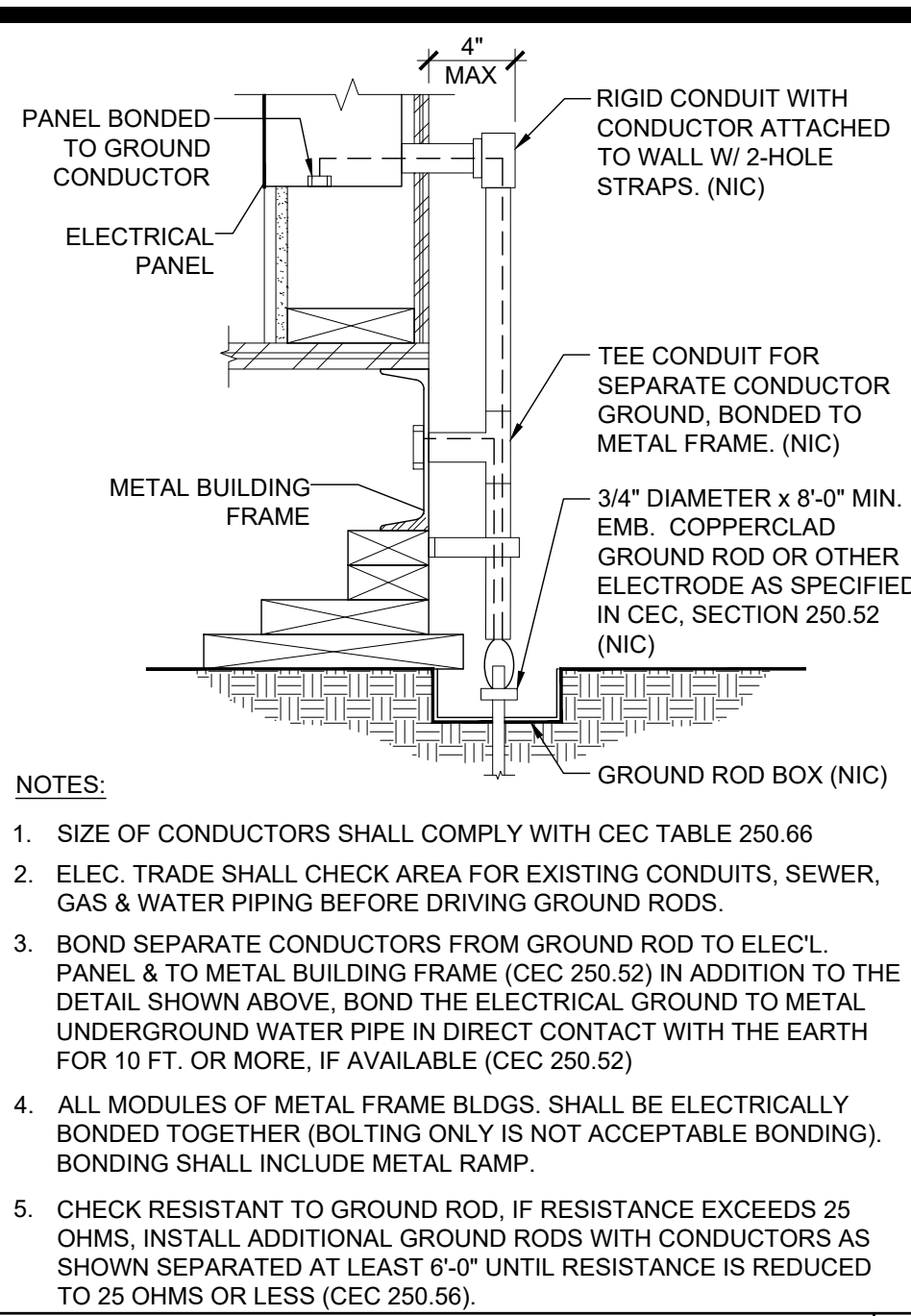
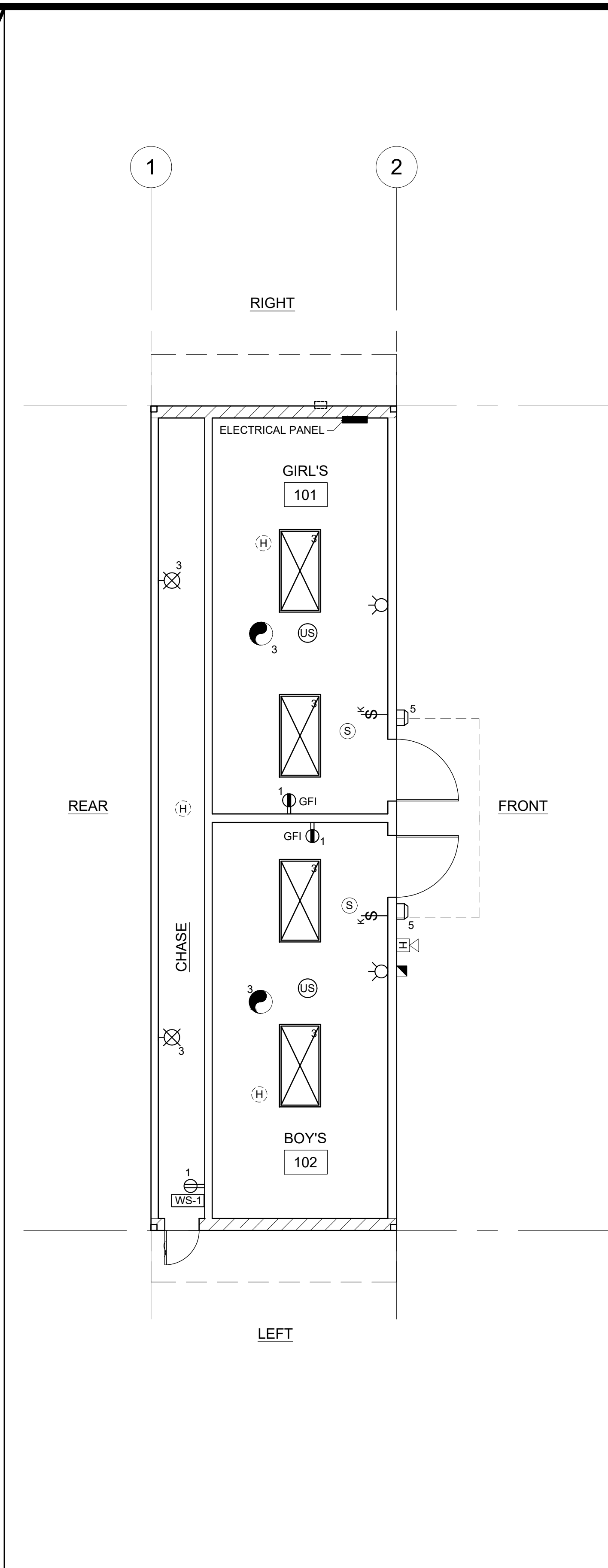
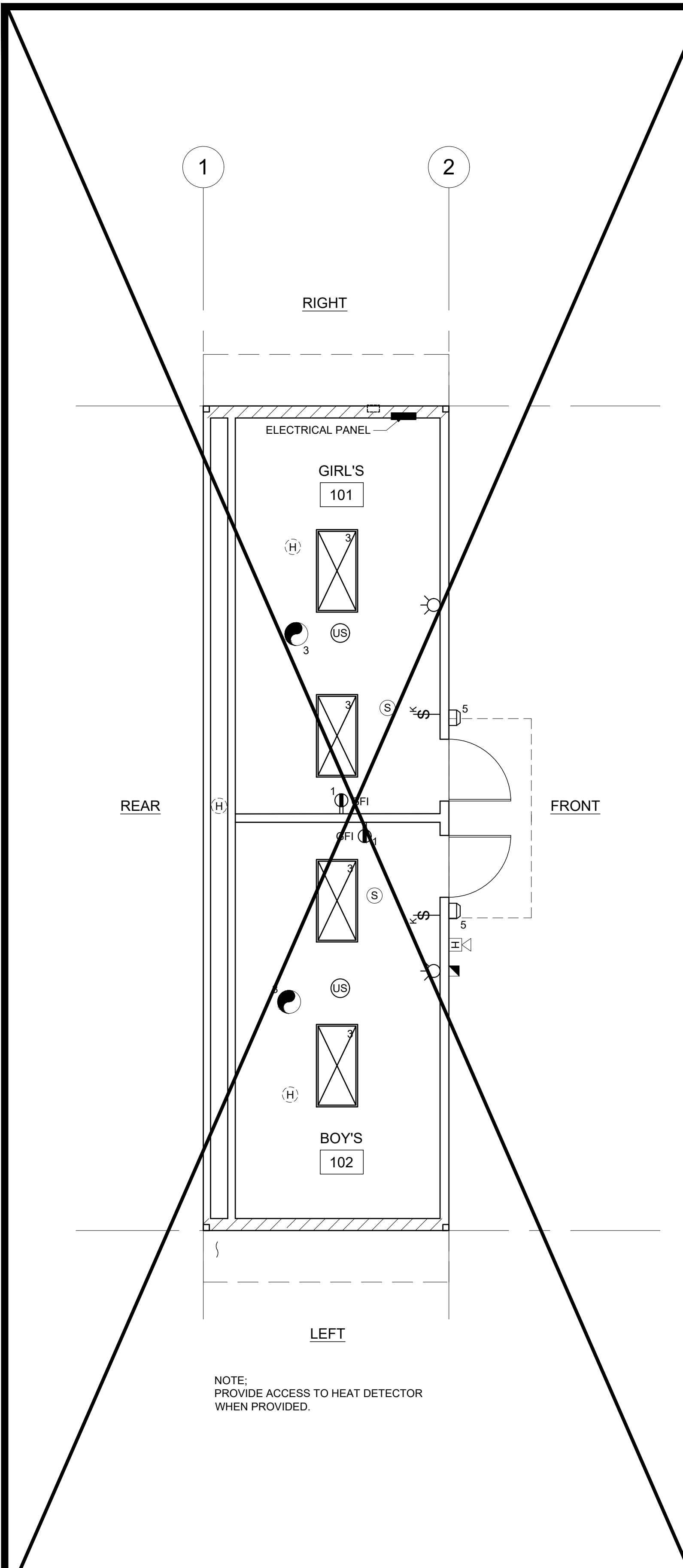


Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
12' x 40' PC
PROJECT NO.
DRAWN BY:
SCALE: AS NOTED
DATE: 06-22-2020

P.C. SHEET NUMBER
M-0.1



TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

SCHOOL EQUIPMENT ANCHORAGE

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- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- 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.
- 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.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.5 AND 2019 CBC SECTIONS 1616A.1.24, 1616A.1.25 & 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

- SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
- PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 4.4.1.4.2.2

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C, COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED			
		1/2" C	3/4" C	1" C	1 1/4" C	
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
			#12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

	2x4 SURFACE MOUNTED OR RECESSED LED LIGHT FIXTURE, DIMMABLE, 50 WATTS MAX.
	LED WALL PACK LIGHT FIXTURE, 30 WATTS
	ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.N.O.)
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED PHOTOCELL
	ULTRASONIC CEILING OCCUPANCY SENSOR. SENSOR TO BE CONNECTED TO KEYPAD LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
	SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTS/OPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF
	DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX
	LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
	3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
	KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
	DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
	EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR AC SERVICES (MAX 25'-0" FROM UNITS)
	GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
	ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
	EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN EM IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 50W MAX. MOUNT AT +93" AFF
	CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
	EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS, CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL
	4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
	4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
	4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
	RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING
	4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
	4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
	4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
	100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
	300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

**SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM**

SHEET TITLE:

**ELECTRICAL PLAN
AND SCHEDULE
MODEL A-1 OR A-2**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119218 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 07/01/2021

PC STATE AGENCY APPROVAL

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 06-22-2020

P.C. SHEET NUMBER

E-1.01

ELECTRICAL PLAN - MODEL A-2

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

ELECTRICAL PLAN - MODEL A-1

ELECTRICAL PANEL

VOLTS: 120/208 V
MAIN: 100A
LOCATION: INTERIOR ACCESS
FEED: REAR
MOUNTING: RECESSED

LOAD	QTY	WATTS		BREAKER	Amps	P	A	B	BREAKER	WATTS		QTY	LOAD
		AØ	BØ							AØ	BØ		
RECEPTACLES / GFI	3	540		20	1	1	2						
INTERIOR LIGHTING/EXHAUST FAN	8		520	20	1	3	4						
EXTERIOR LIGHTING	2	84		20	1	5	6						
EMPTY							7						
DED - SOLAR READY							9						
DED - SOLAR READY							11						
							13						
A = 624	WATTS / PHASE	624	520										
TOTAL = 1184	WATTS	5.69	AMPS	120/208	VOLTS	1 Ø						3	WIRE

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.