
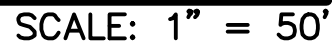


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<p>Owner:</p> <div style="text-align: center; margin: 20px 0;">  </div> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">BAKERSFIELD CITY SCHOOL DISTRICT</p> <p style="text-align: center;">1300 BAKER ST. BAKERSFIELD, CA 93305</p>	
<p>Project Name:</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">20X40 OFFICE PORTABLE BLDG</p>	
<p>Project Address:</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">CHIPMAN JR. HIGH SCHOOL</p> <p style="text-align: center; margin-top: 20px;">2905 Eissler St. Bakersfield, CA 93306</p>	

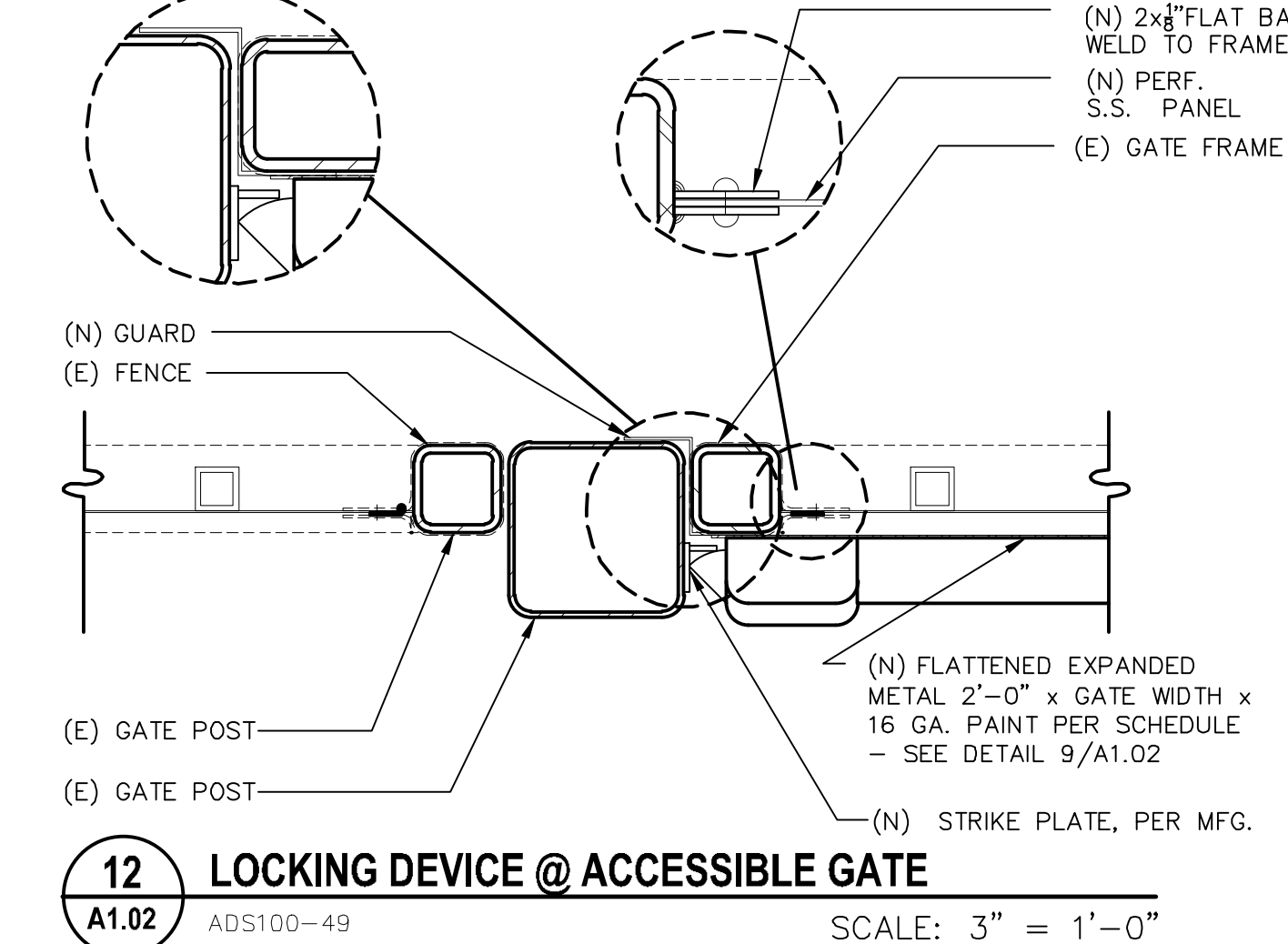
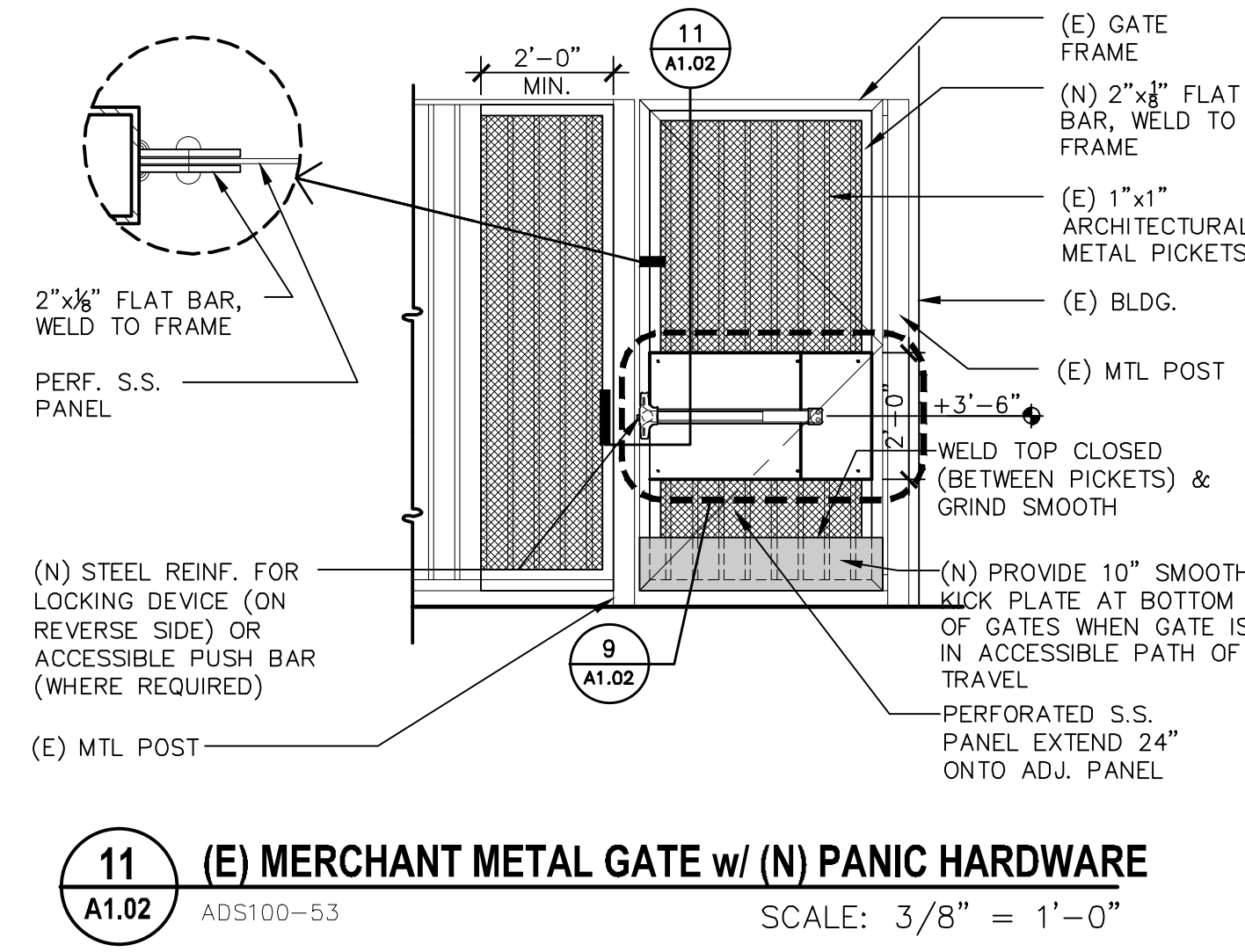
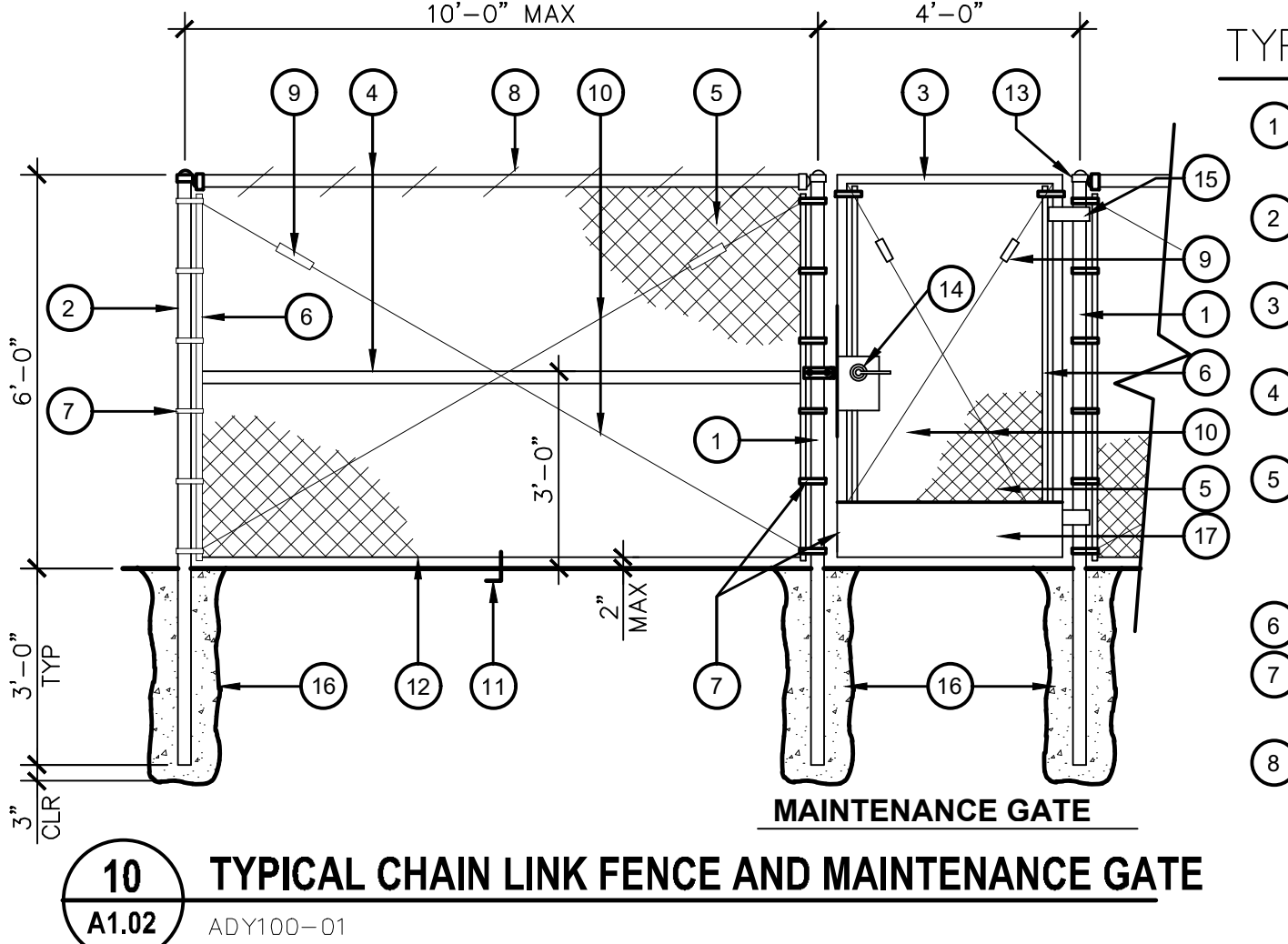
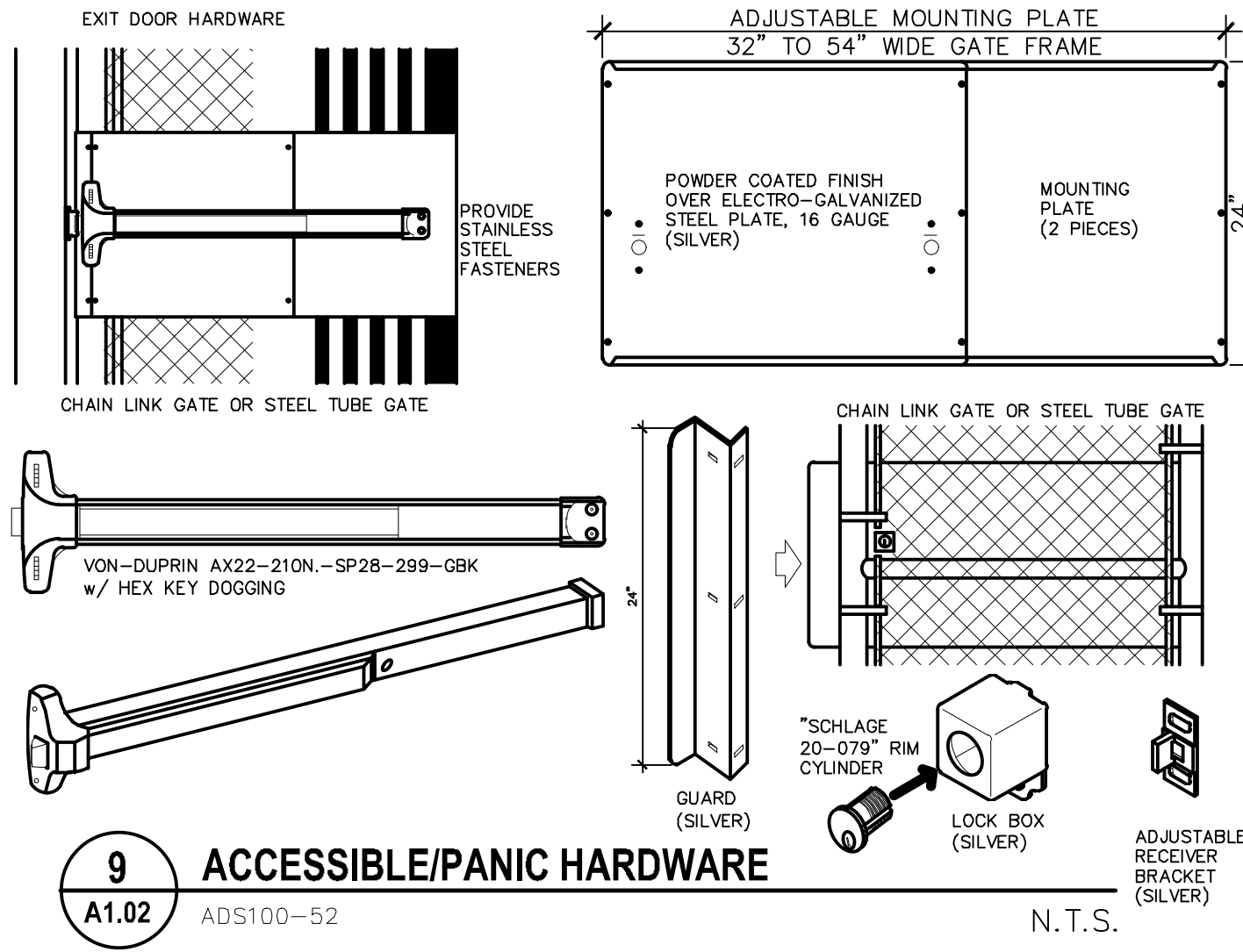
Sheet Title:	
<b>TITLE SHEET</b>	
Job No.:	<b>5625</b>
Sheet No.:	<b>T1.01</b>
Release: <u>        </u>	REVISION Issue Date: <u>        </u>



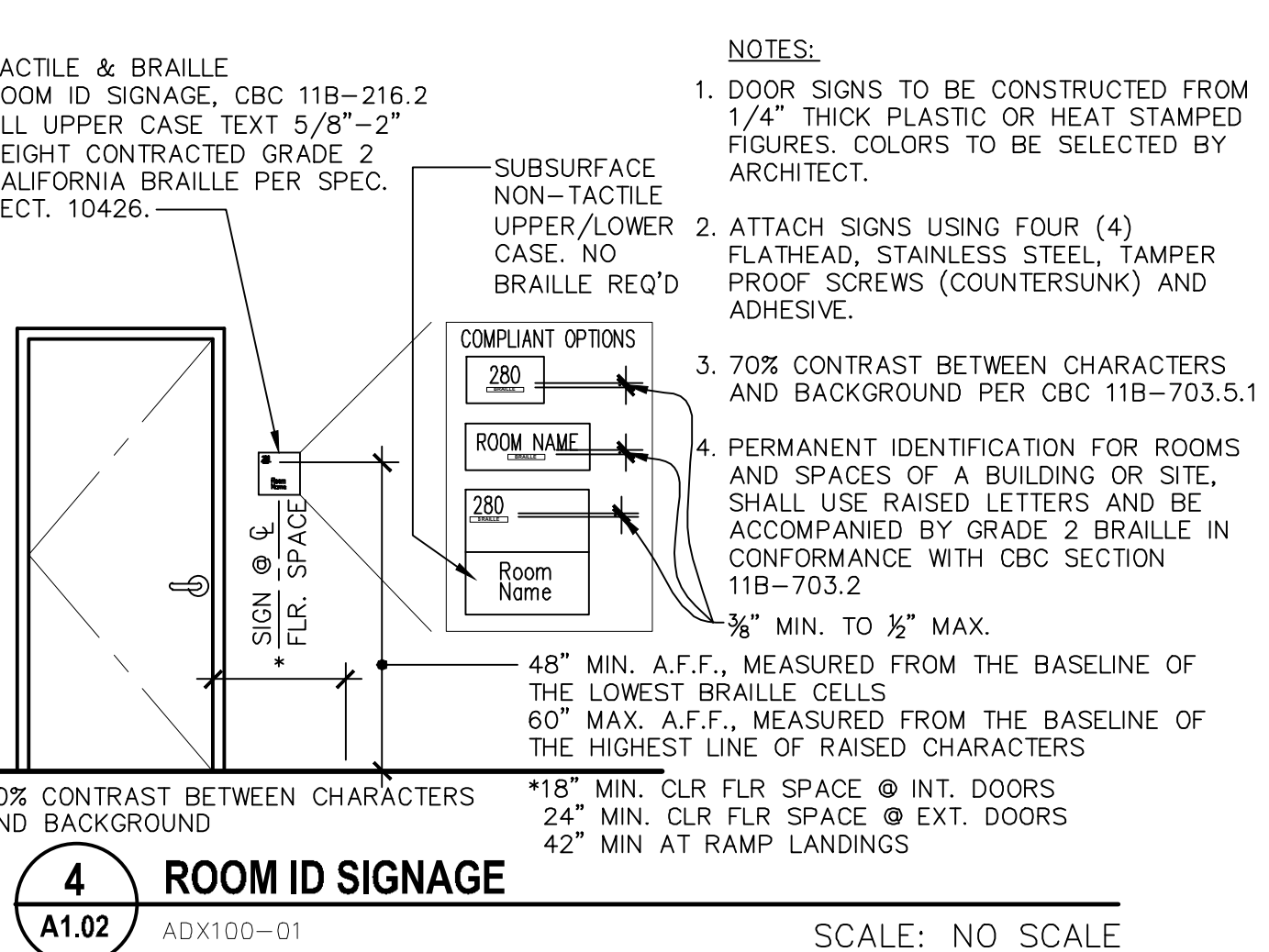
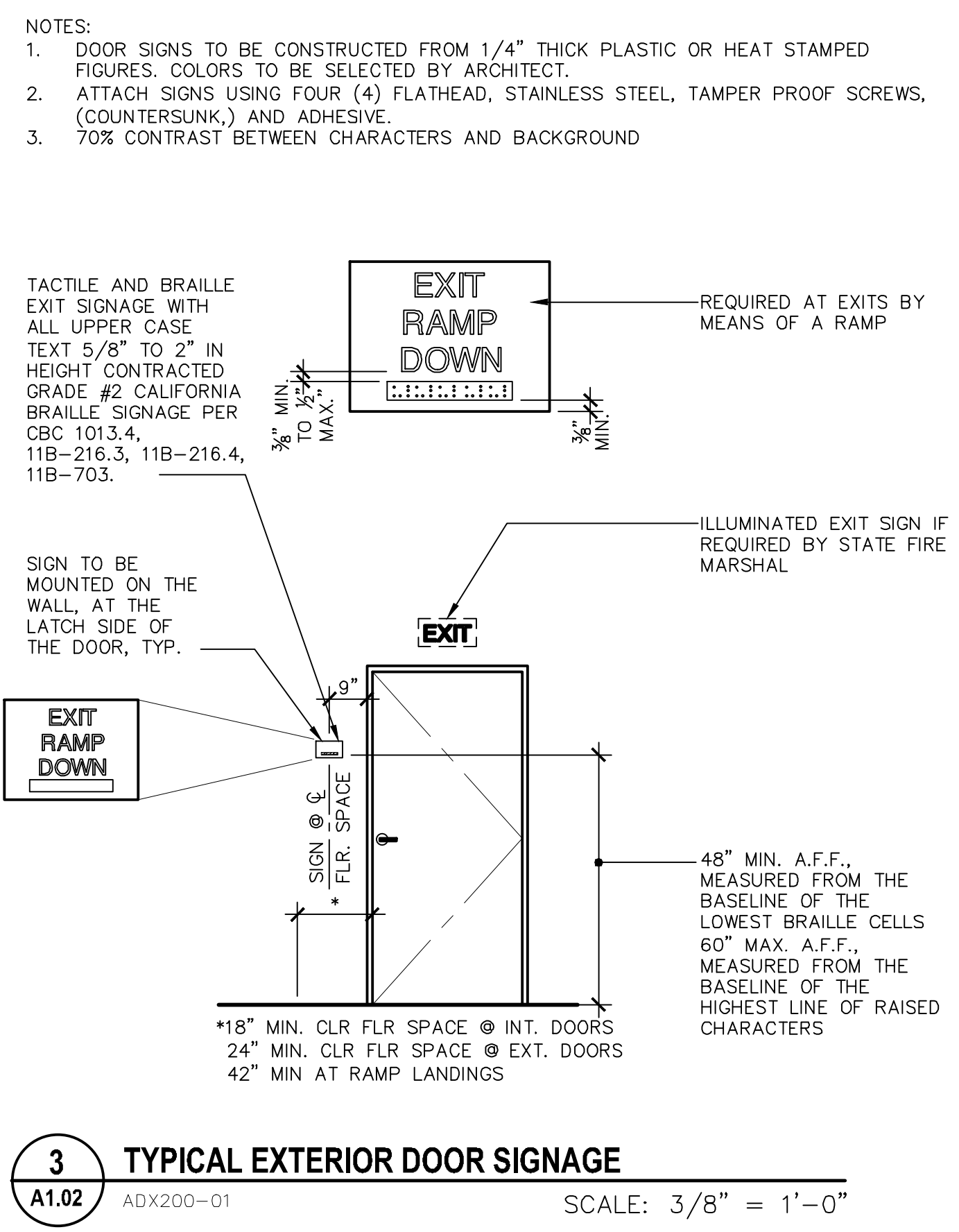
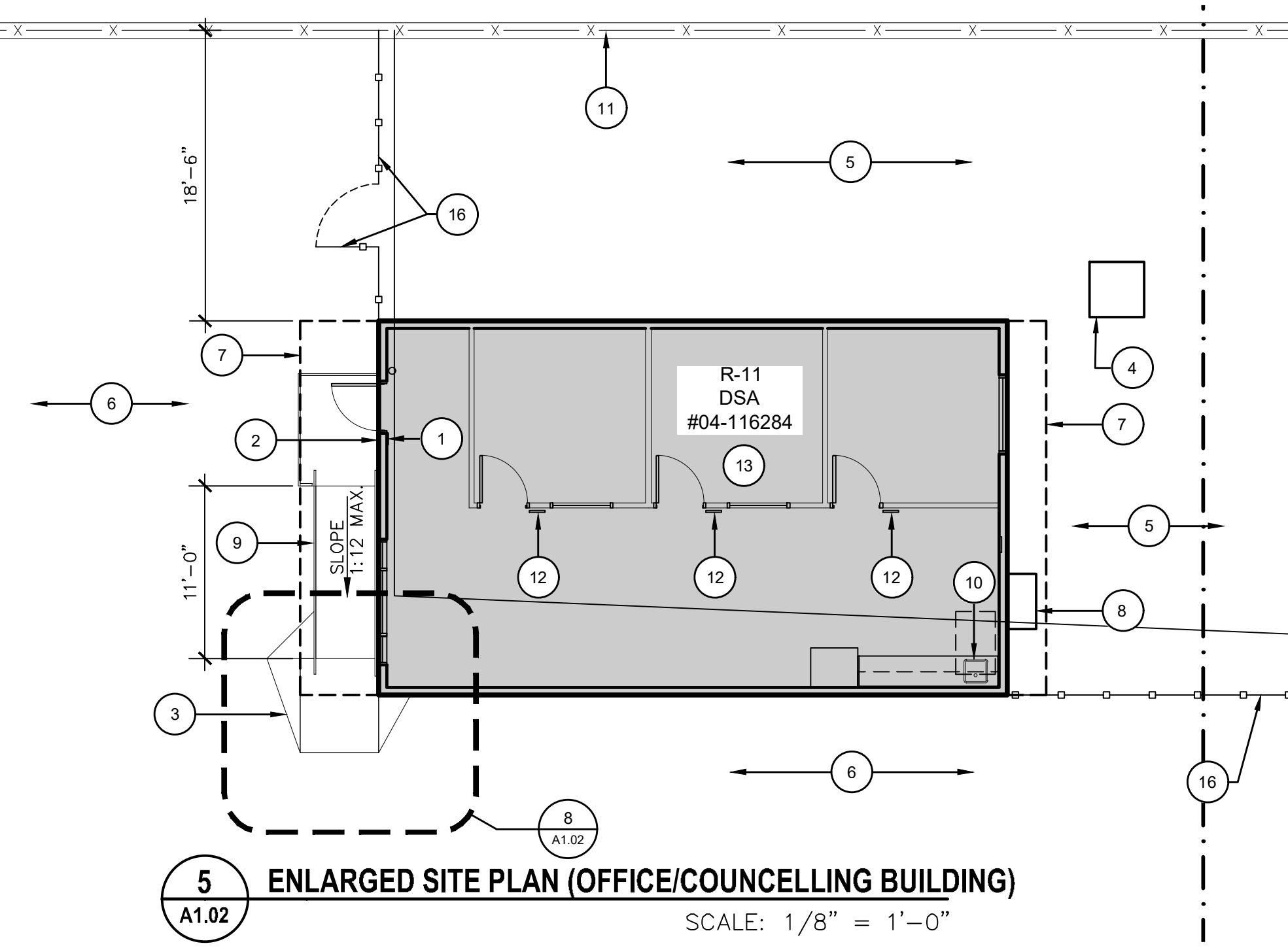
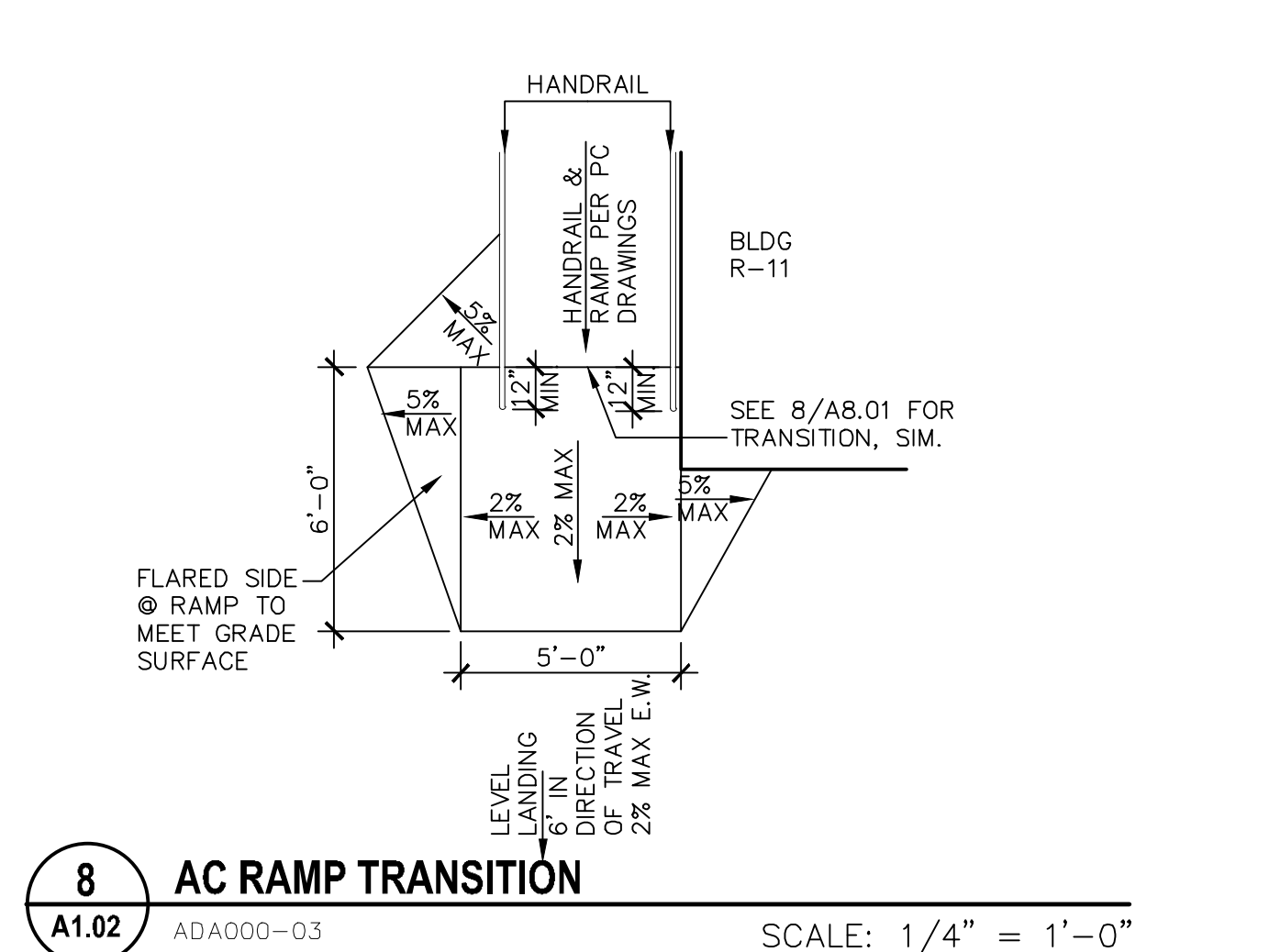
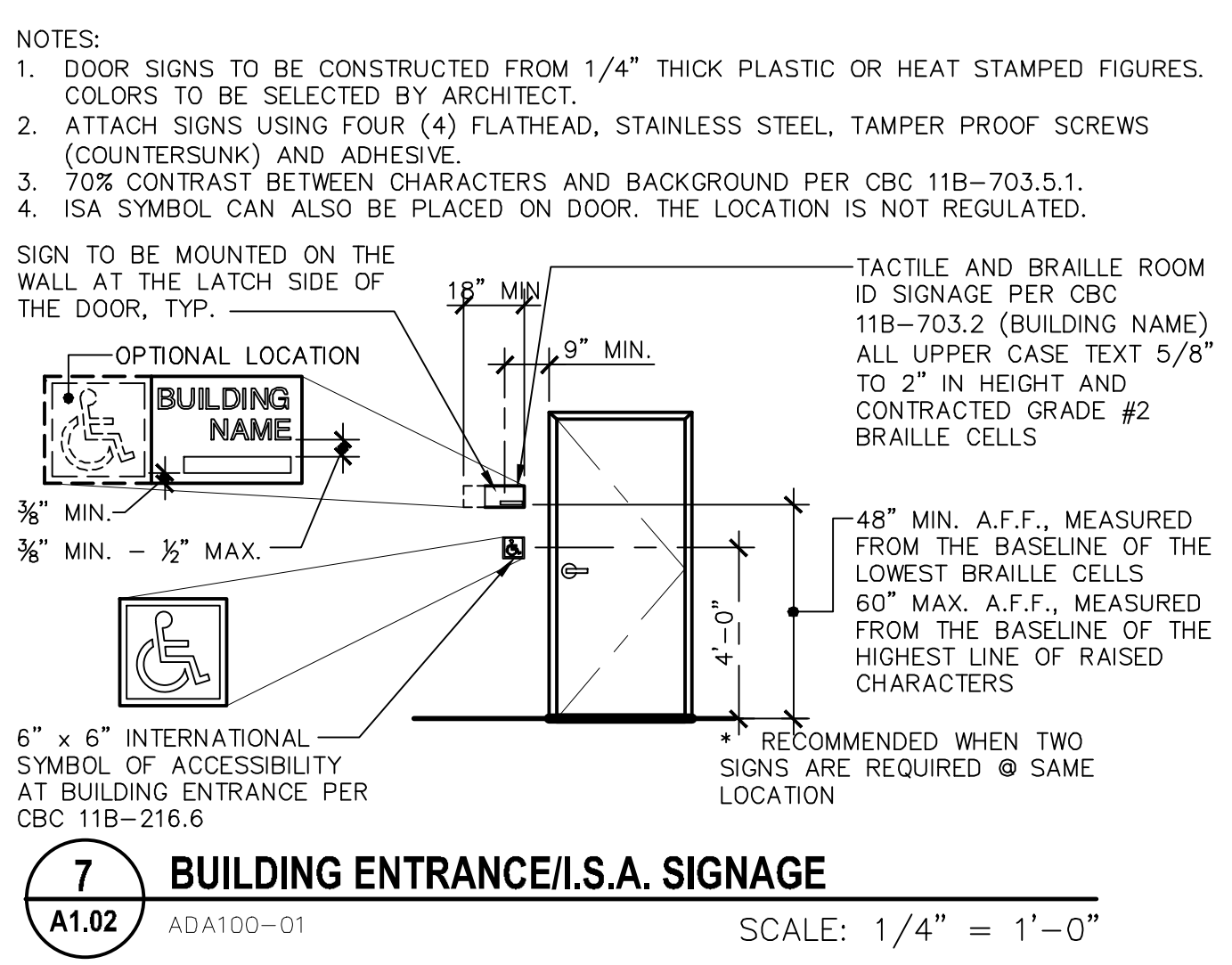




120  
80  
40  
0  
40  
90  
60  
30  
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30  
60  
40  
20  
0  
20  
24  
16  
8  
0  
8  
12  
4  
0  
4  
1/4" = 1'-0"  
1/8" = 1'-0"  
20  
40  
60  
80  
100  
120  
1" = 20'-0"  
1" = 30'-0"  
1" = 40'-0"



- ### TYPICAL FENCE & GATE KEYNOTES
- 4" O.D. GALVANIZED STEEL GATE POST (9.1 lb/ft)
  - 2 7/8" O.D. GALVANIZED STEEL END OR CORNER POST (5.79 lb/ft)
  - 2" O.D. GALVANIZED STEEL GATE FRAME (2.72 lb/ft)
  - 1 5/8" O.D. GALVANIZED STEEL HORIZONTAL RAIL (2.27 lb/ft)
  - 2"x2" MESH x 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW)
  - 1/4"x3/4" GALVANIZED STEEL STRETCHER BAR
  - GALVANIZED STEEL STRETCHER BAR TENSION BAND, MIN. OF 6 TENSION BANDS
  - 9 GAUGE (0.148" DIA.) GALVANIZED STEEL TIE WIRES OR HOG RINGS AT 15" MAX. SPACING. MIN. 8 TIE WIRES PER EACH 10" HORIZONTAL RAIL
  - GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIA. TRUSS ROD
  - 3/8" DIA. GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS AND END OR CORNER POST PANELS
  - 3/8"x6" GALVANIZED HOOK BOLT WITH NUT IMBEDDED IN MIDWAY BETWEEN POSTS
  - 7 GAUGE (0.177" DIA.) GALVANIZED STEEL TENSION WIRE
  - RAINPROOF CAP
  - TRIM, LEVER HANDLE & RIM CYLINDER LOCK -SLB MAX OPERATING FORCE, MOUNTED AT 36" (SARGENT ASSA ABLOY 10XG14 CYLINDRICAL LEVER LOCK)
  - 180° GATE HINGE, TYP
  - 12"Ø CONCRETE POST FOOTING (TYP.)
  - 10"HIGH X GATE WIDTH, 16ga POWDER-COATED METAL KICK PLATE, TYP. BOTH SIDES OF GATE.
- SCALE: N.T.S.



## KEYNOTES

- (N) TACTILE EXIT SIGN PER DETAIL 3/A1.02.
- (N) ROOM IDENTIFICATION AND ISA SIGNAGE, REFER TO DETAILS 7/A1.02.
- (N) AC PAVED RAMP TRANSITION PER 8/A1.02.
- (E) TRANSFORMER TO REMAIN.
- (E) CONCRETE SLAB TO REMAIN.
- (E) AC PAVING TO REMAIN.
- ROOF OVERHANG OF (N) RELOCATABLE CLASSROOM.
- (E) HVAC WALL PACK BY PORTABLE BUILDING MFG.
- (N) METAL RAMP BY PORTABLE BUILDING MFG. SEE R-1.01
- (E) CLASSROOM SINK, BY PORTABLE BUILDING MFG.
- (E) CHAIN LINK FENCE TO REMAIN.
- ROOM IDENTIFICATION SIGNAGE, -SEE 4/A1.02.
- (N) RELOCATABLE BLDG FROM STOCKPILE ON WOOD FOUNDATION BY PORTABLE BUILDING MFG.
- (N) FIRE HYDRANT, SEE P.1.31.
- (N) DOUBLE CHECK VALVE, -SEE P.1.31.
- (N) CHAIN LINK FENCE & MAINTENANCE GATE, -SEE 10/A1.02.

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1300 BAKER ST.  
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Project Name:  
**20X40 OFFICE PORTABLE BLDG**

Project Address:  
**CHIPMAN JR. HIGH SCHOOL**  
2905 Eissler St.  
Bakersfield, CA 93306

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by SOMAM, Inc.  
**ARCHITECTURE  
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Stamp:

Sheet Title:  
**ENLARGED SITE PLAN**

Job No.:  
**5625**

Sheet No.:  
**A1.02**

Release: \_\_\_\_\_ Issue Date: 3/19/25

## GENERAL NOTES

A. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:  
IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A C.C.D. OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.  
\*PER DSA IR 16-1, SEC. 5.4

B. CONTRACTOR SHALL ADJUST ALL DOOR CLOSERS TO A MAXIMUM OPENING FORCE OF 5 LBF

C. RESPONSIBLE ENGINEER/ARCHITECT HAS VERIFIED THE LOCATION OF THE UTILITIES SHOWN AS EXISTING AND THAT THEIR CAPACITY IS ADEQUATE FOR THE ADDITIONAL LOAD, -SEE SHEET E0.01.

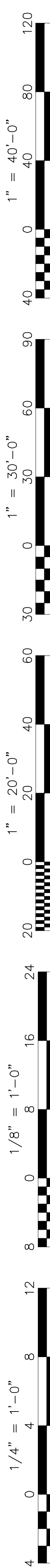
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CLSRM	STKP #	SERIAL #
R-11	6	12175-12176

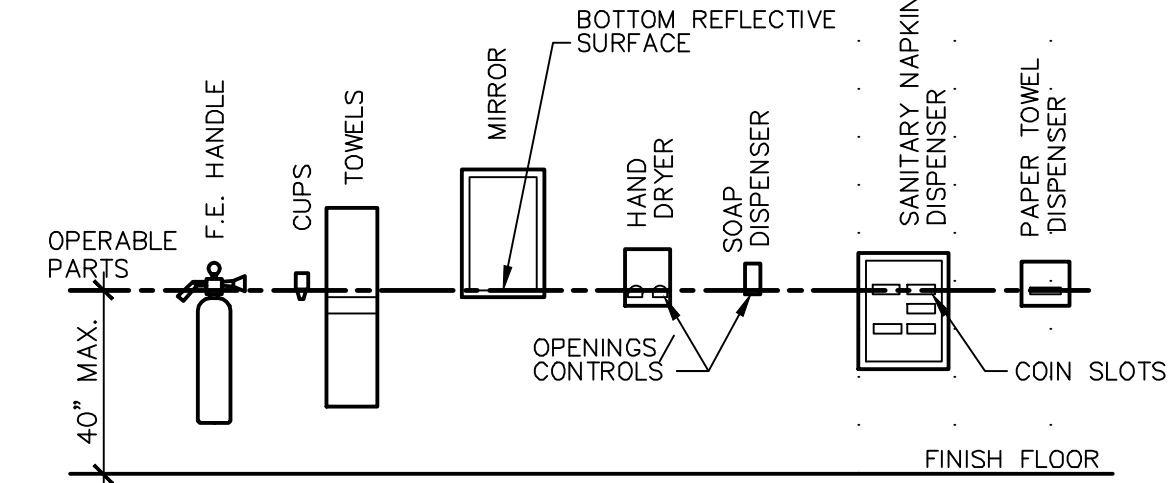
## LEGEND

INEW RELOCATED BUILDING UNDER THIS APPLICATION

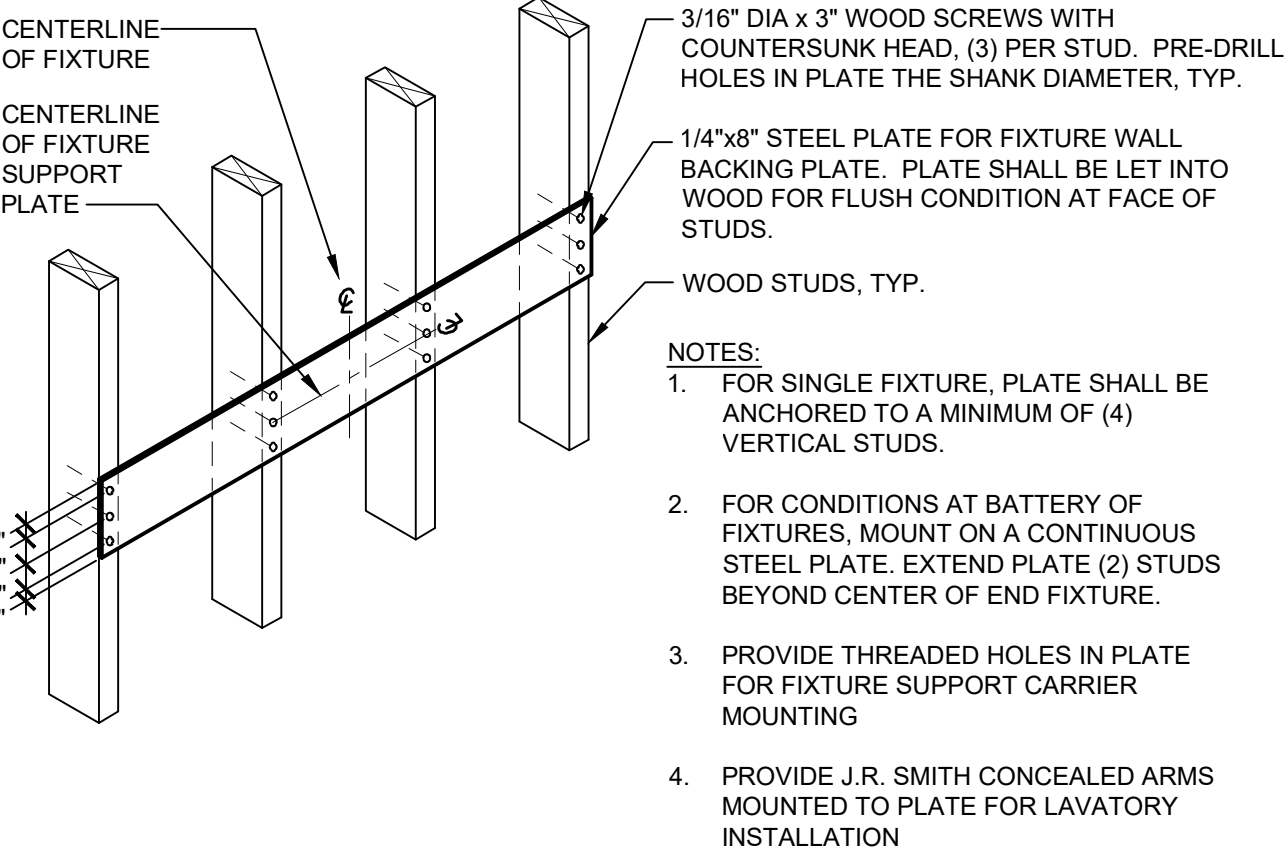




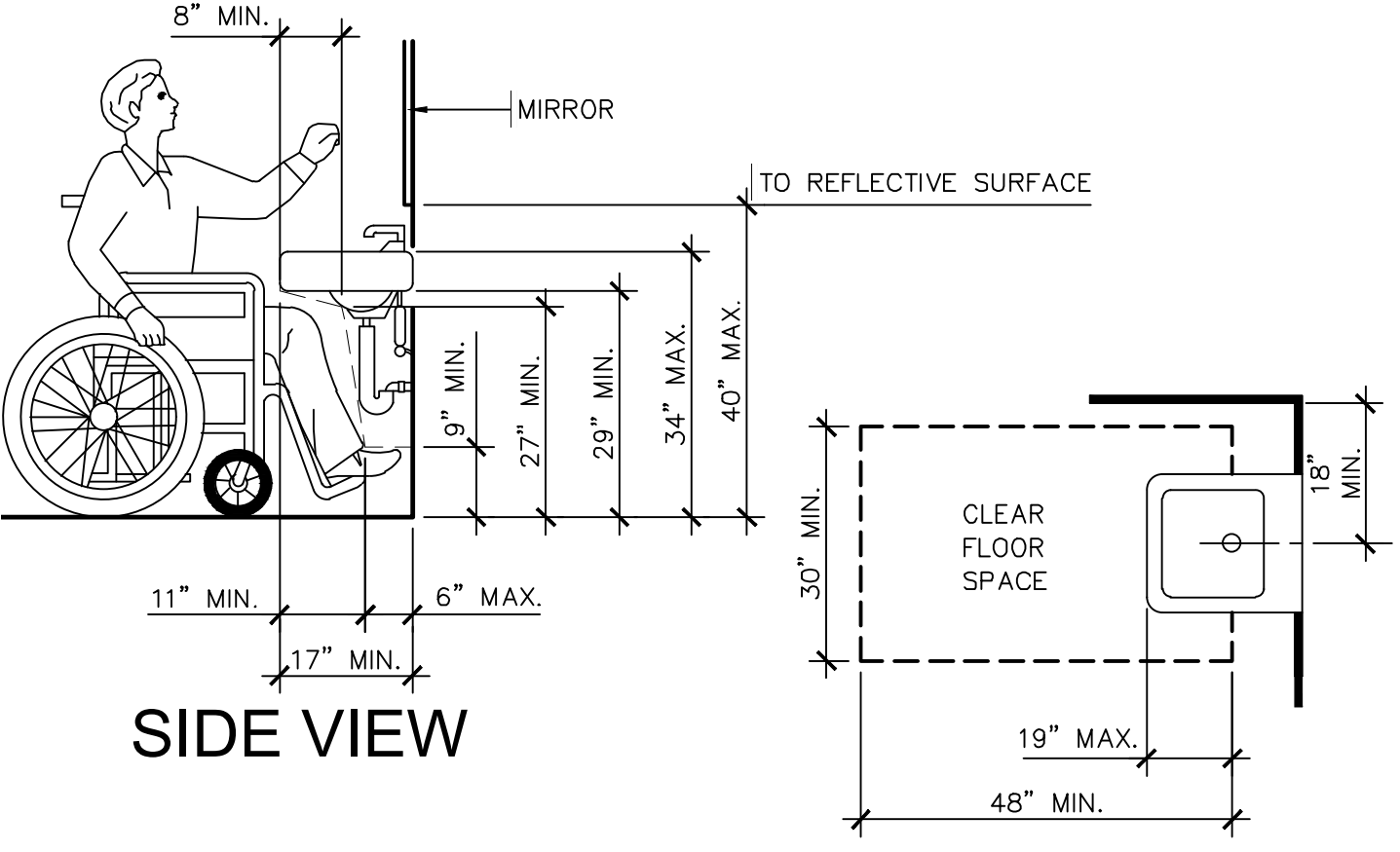
NOTE:  
DISPENSERS @ 4" MAX.  
PROJECTION FROM WALL



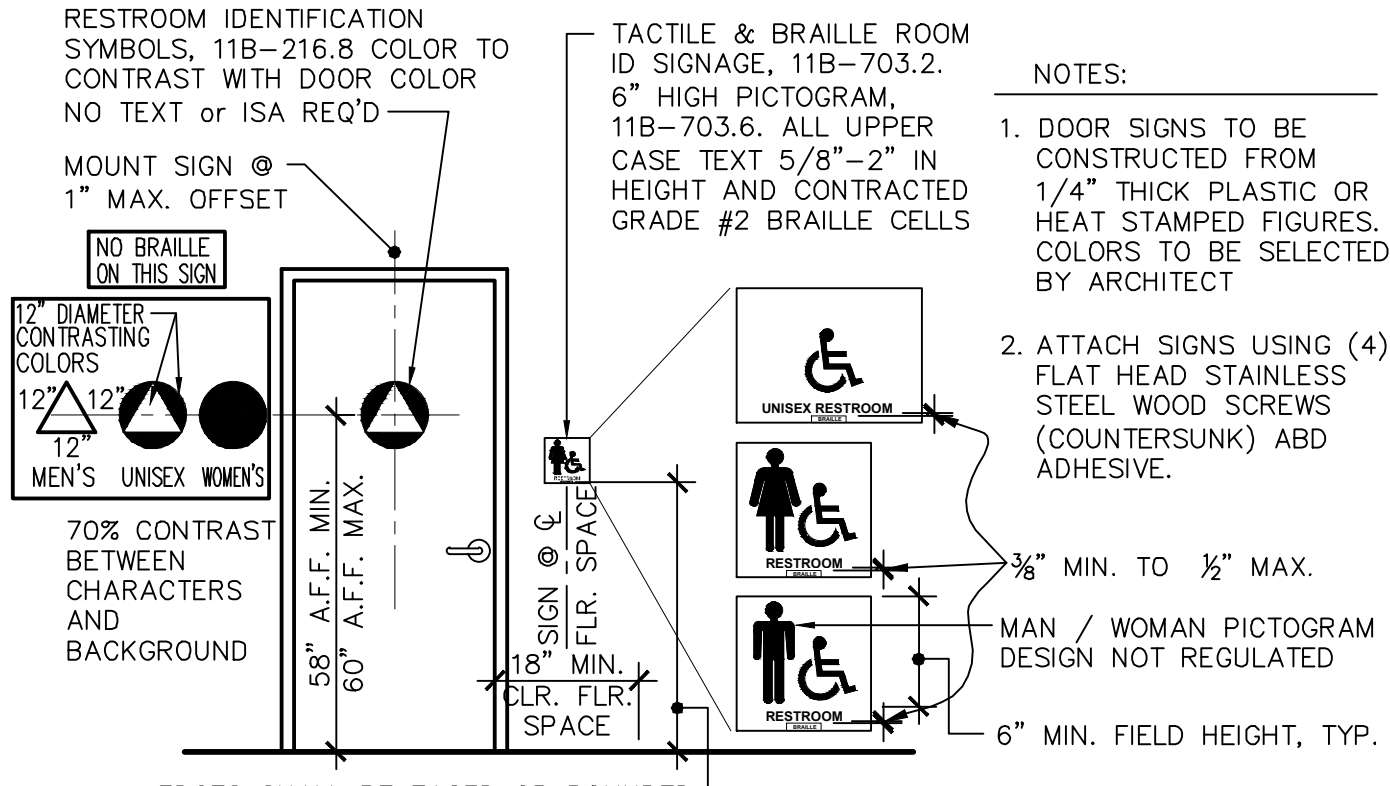
**7 ACCESSIBLE MOUNTING HTS FOR TOILET RM ACCESSORIES**  
ADA200-13 SCALE: 1/2" = 1'-0"



**8 FIXTURE SUPPORT BACKING - WOOD STUDS**  
ADA2.01 SCALE: N.T.S.



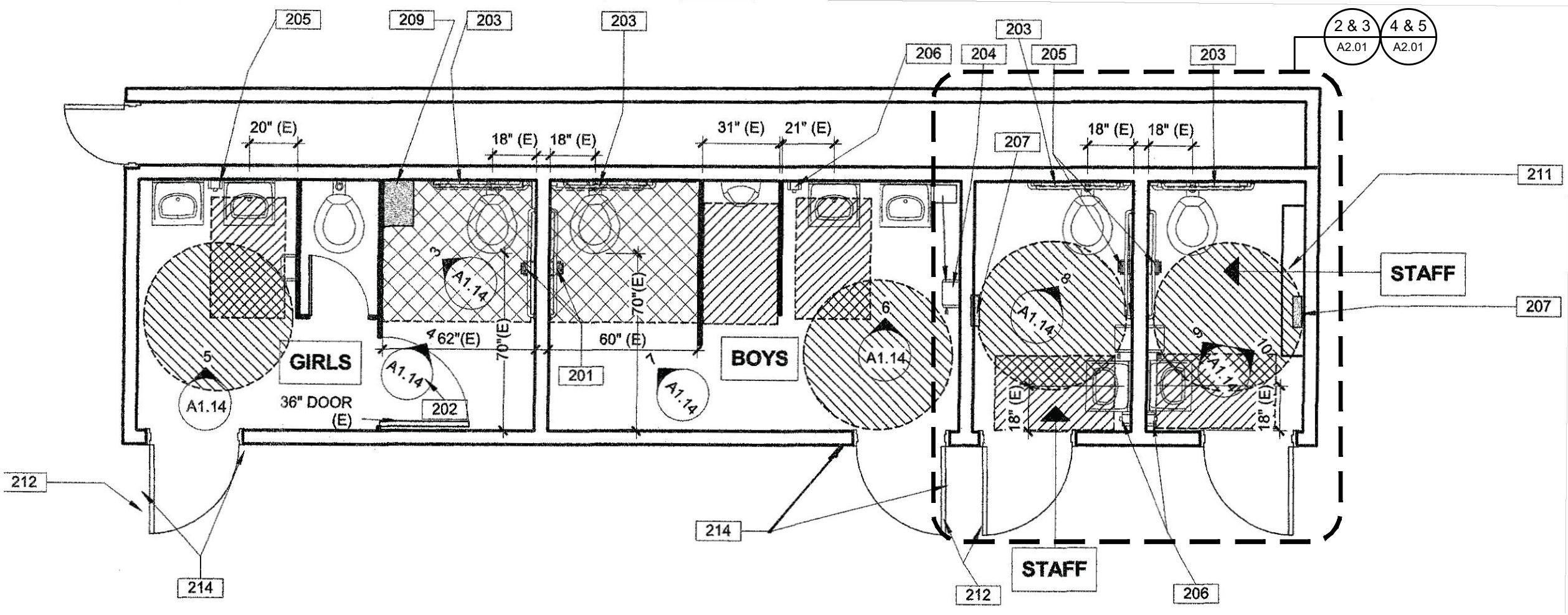
**9 KNEE AND TOE CLEARANCE @ ACCESSIBLE LAVATORY**  
ADA200-10 SCALE: 1/2" = 1'-0"



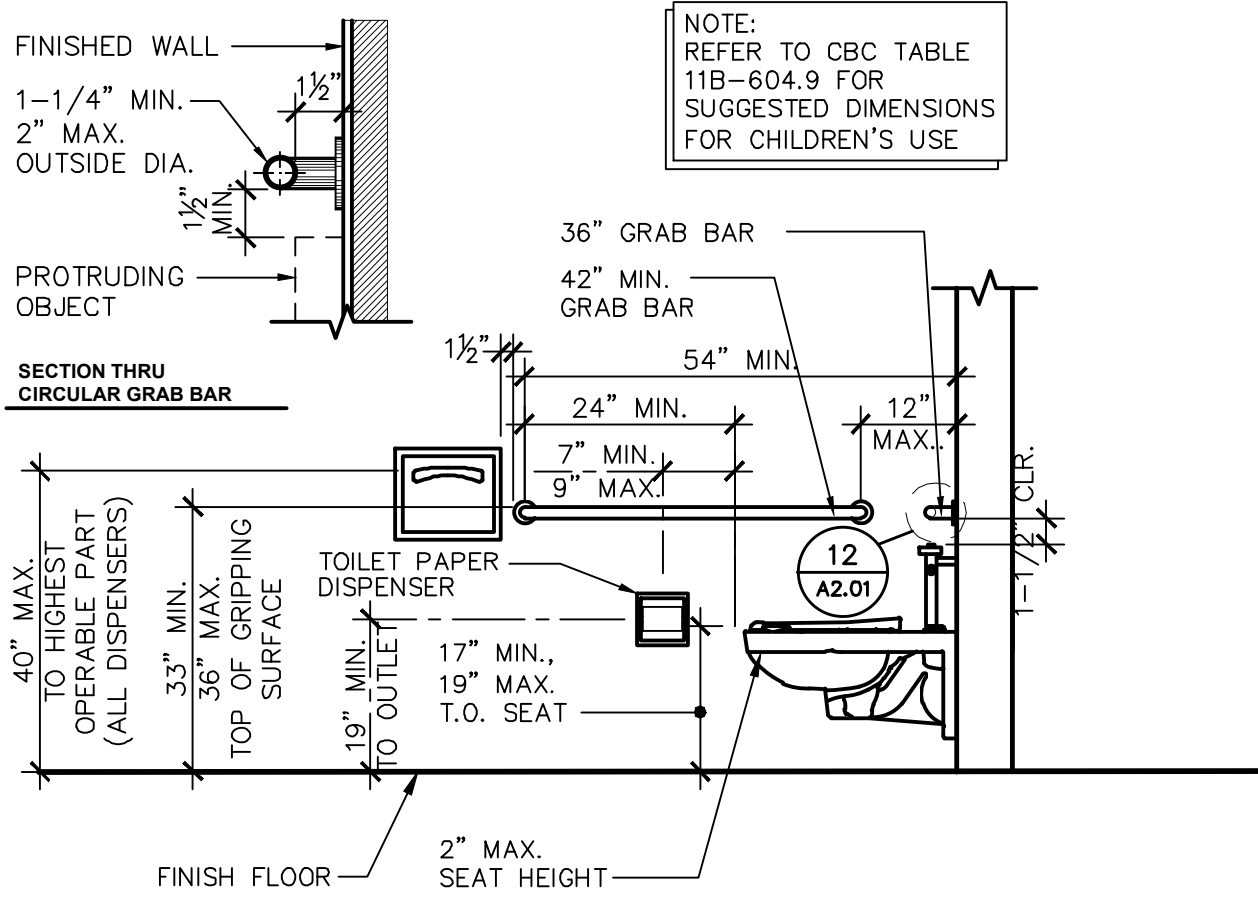
**10 RESTROOM SIGNAGE**  
ADA000-01 SCALE: 1' = 1'-0"

FIELD VERIFY THE FOLLOWING FOR COMPLIANCE TO CURRENT 2019 CBC ACCESSIBILITY REQUIREMENTS AT THE EXISTING BOYS & GIRLS/MEN & WOMEN/STAFF RESTROOMS. UPGRADE NON-COMPLIANCE ACCESSORIES AND ELEMENTS TO CURRENT CBC CODE.

- DOOR AND WALL ROOM IDENTIFICATION SIGNAGE. 11B-703.2-703.7.
- ADJUST DOOR AND DOOR CLOSERS OPERATING FORCE TO 5LB. MAX. 11B-402.9.
- DOORS SHALL HAVE ACCESSIBLE HARDWARE AND COMPLIANCE MOUNTING HEIGHT. 11B-402.7.
- OPERATING PARTS OF TOILET ACCESSORIES INCLUDING COIN SLOTS, SHALL BE ADJUSTED TO 40" MAXIMUM ABOVE THE FINISH FLOOR. 11B-603.5.
- TOILET PAPER DISPENSERS SHALL BE CONTINUOUS FLOW TYPE WITHOUT CONTROL DELIVERY. SHALL BE LOCATED 7" MIN. - 9" MAX. IN FRONT OF THE WATER CLOSET TO THE CENTERLINE OF DISPENSER, OUTLET AT 19" MIN. ABOVE THE FINISHED FLOOR AND LOCATED 1-1/2" MIN. CLEAR FROM THE UNDERSIDE OF THE GRAB BAR. 11B-604.7.
- SANITARY NAPKIN DISPOSAL SHALL BE LOCATED PER 11B-604.7.2.
- COAT HOOKS SHALL BE MOUNTED WITHIN THE REACH RANGES AT 48" MAXIMUM PER 11B-508.
- TOILET COMPARTMENT DOORS SHALL HAVE U-SHAPED HANDLES, FLIP-OVER OR SLIDING LATCH.
- DRINKING FOUNTAIN SHALL BE PROVIDED WITH AT LEAST ONE HI-LO TYPE THAT COMPLY WITH 11B-602.

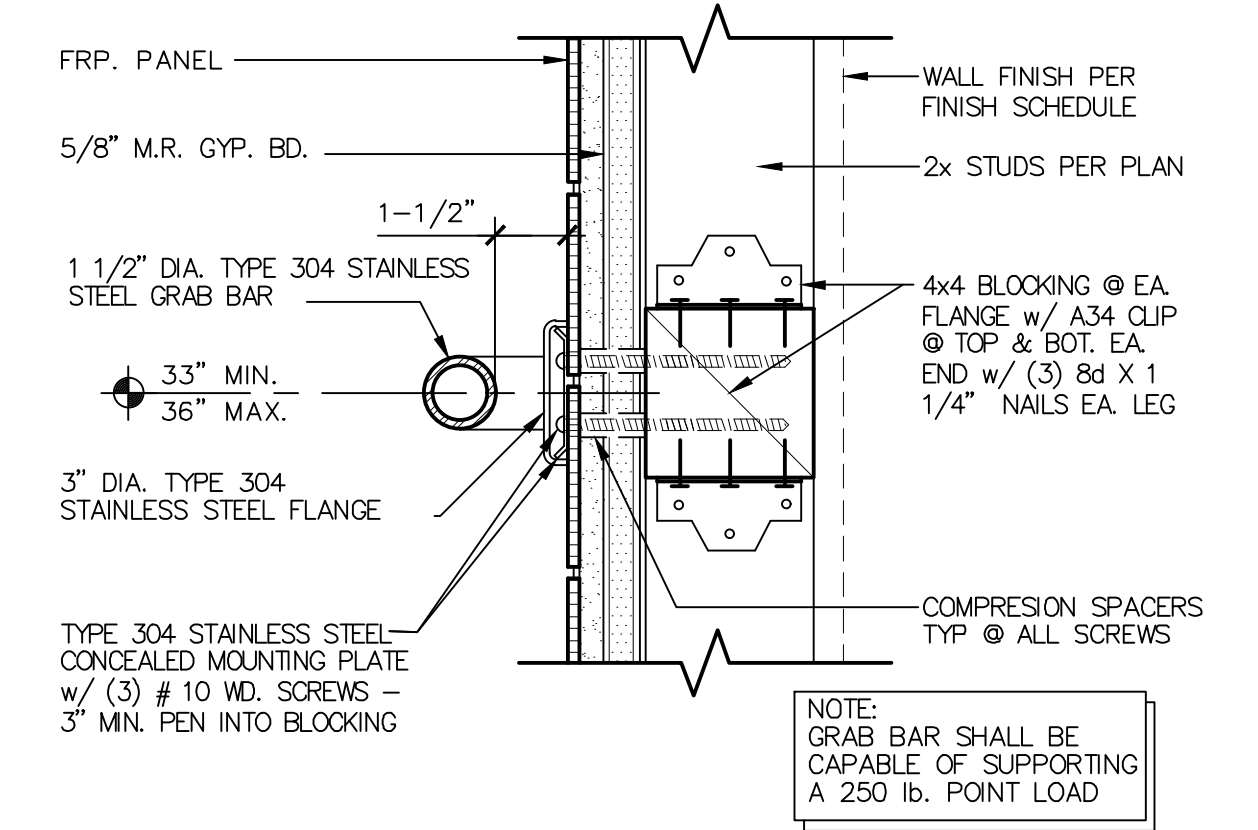


1 EXISTING FLOOR PLAN - TOILET ROOM (PER DSA APP# 03-107512 & 03-117283)  
1/4" = 1'-0"

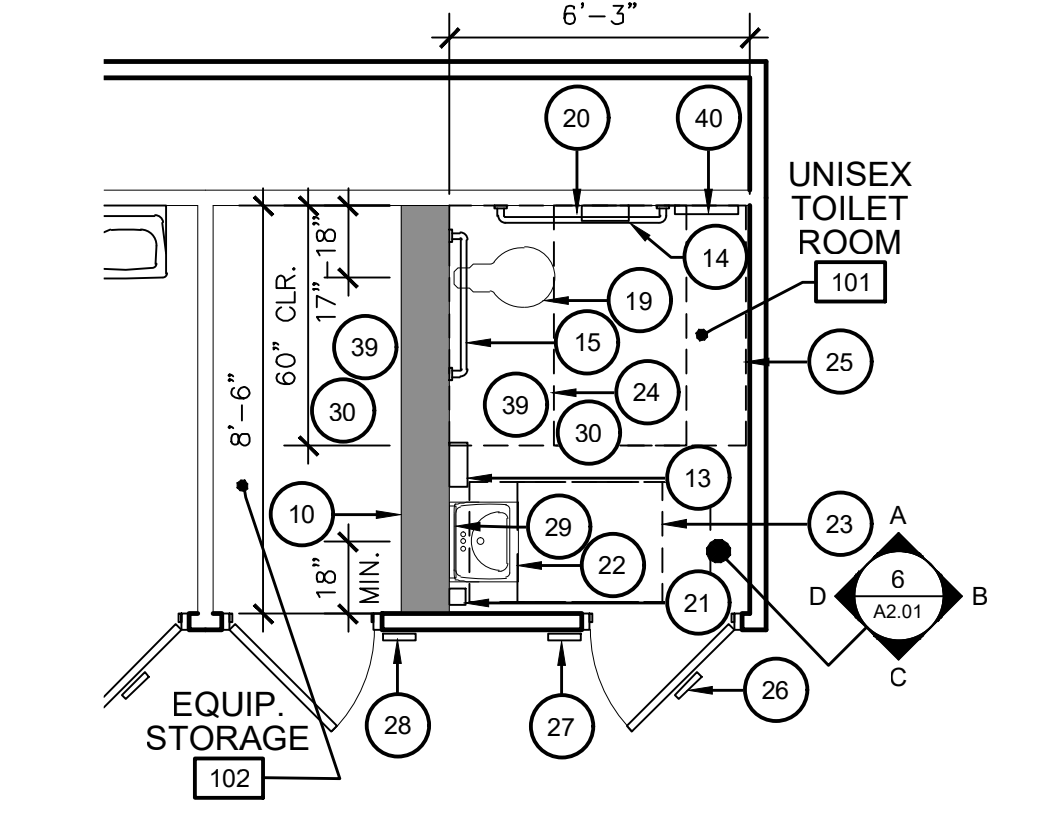


**11 ACCESSIBLE FIXTURE & W/C COMPARTMENT MOUNTING HTS**  
ADA200-12 SCALE: 1/2" = 1'-0"

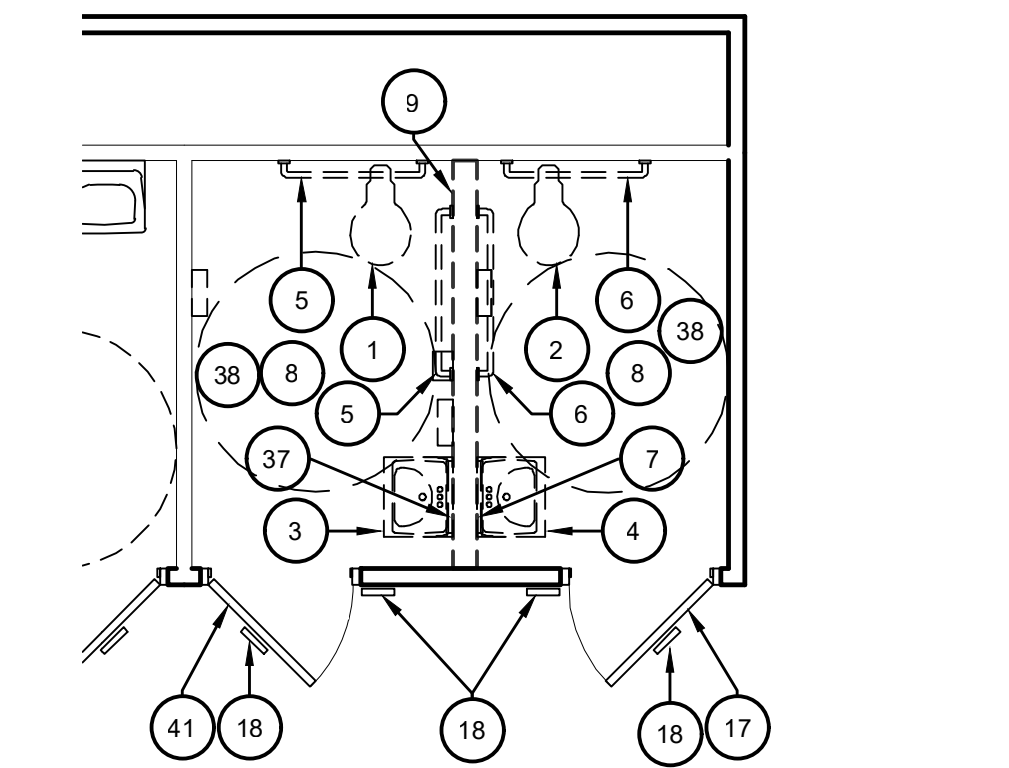
- NOTES:**
- NO SHARP OR ABRASIVE SURFACES SHALL BE PRESENT UNDER LAVATORIES.
  - ALL PIPES UNDERNEATH LAVATORIES SHALL BE INSULATED TO PROTECT AGAINST CONTACT FROM THE PERSONS USING THE FIXTURE. (REFER TO SPECIFICATIONS)
  - THE LOWER REFLECTIVE EDGE OF MIRRORS SHALL NOT EXCEED 40 INCHES ABOVE THE FINISHED FLOOR.
  - ACCEPTABLE FAUCETS SHALL INCLUDE PUSH ELECTRONIC AND LEVER MECHANISM. FAUCETS WITH SELF-CLOSING VALVES SHALL REMAIN OPEN FOR NO LESS THAN 10 SECONDS. SEE PLUMBING DRAWINGS.
  - ACCESSIBLE FAUCET CONTROLS SHALL BE PUSH TYPE WITH 5 LBS MAX. OPERATING FORCE.



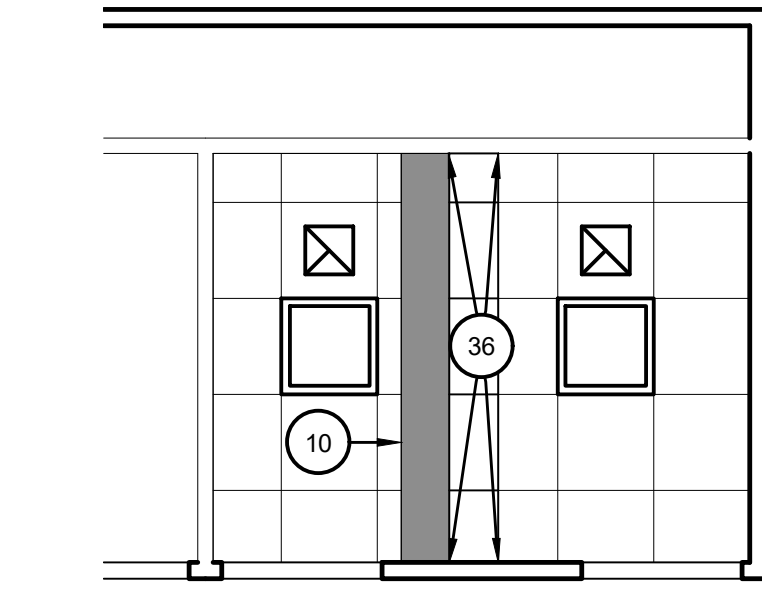
**12 GRAB BAR ANCHORAGE**  
ADM246-01 SCALE: 3" = 1'-0"



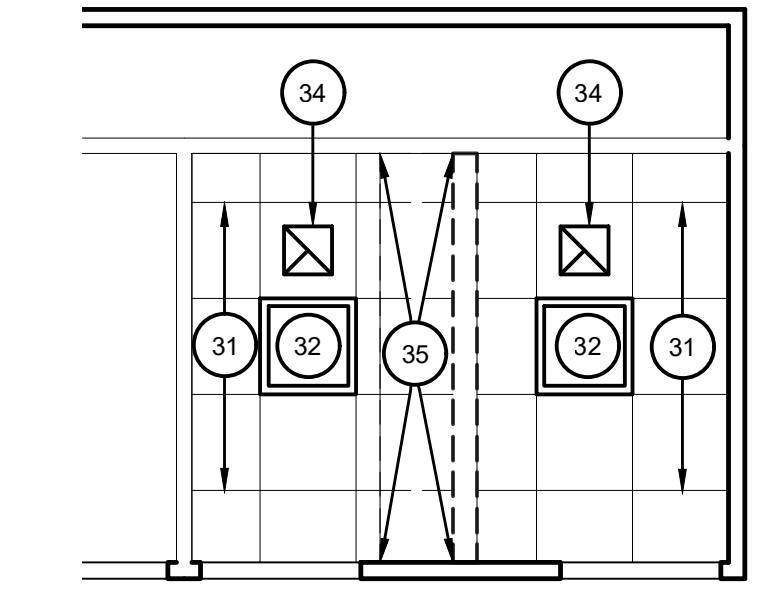
3 ENLARGED - FLOOR PLAN - UNISEX TOILET ROOM  
1/4" = 1'-0"



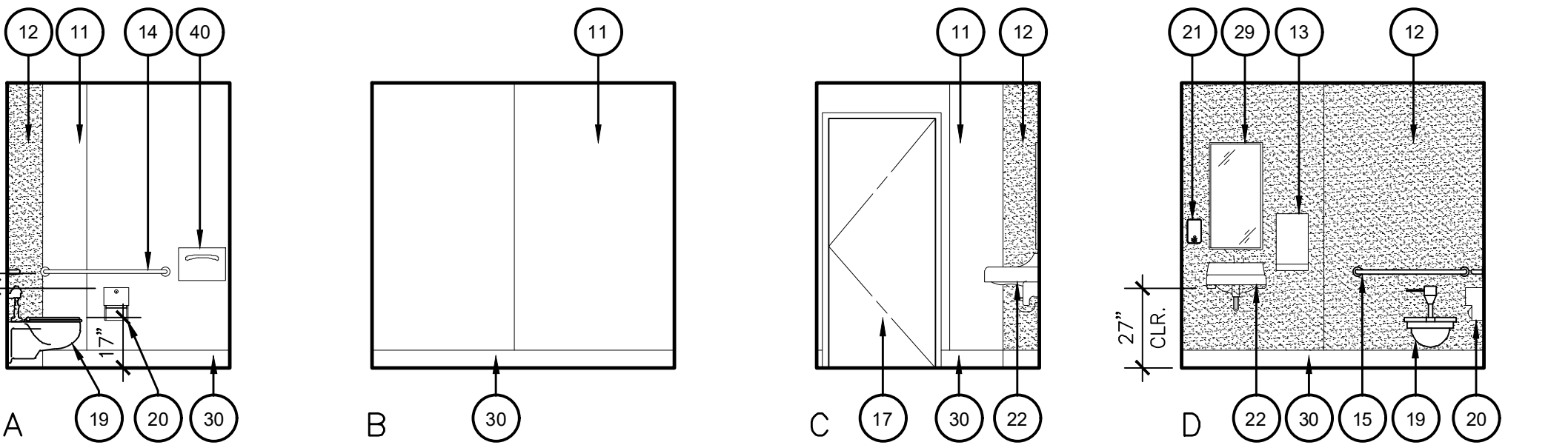
2 ENLARGED - DEMO FLOOR PLAN - TOILET ROOM  
1/4" = 1'-0"



5 ENLARGED - RCP - TOILET ROOM  
1/4" = 1'-0"



4 ENLARGED - DEMO RCP - TOILET ROOM  
1/4" = 1'-0"



6 INTERIOR ELEVATIONS - TOILET ROOM  
1/4" = 1'-0"

**KEY NOTES**

- (E) WALL MOUNTED WATER CLOSET, CARRIER, AND SEAT TO BE REMOVED AND RETURNED TO OWNER. PATCH OPENINGS TO MATCH EXISTING.
- (E) WALL MOUNTED WATER CLOSET, CARRIER, AND SEAT TO BE REMOVED AND RE-USED (w/ (N) FLUSH VALVE). PATCH OPENINGS TO MATCH EXISTING. -SEE 3/A2.01.
- (E) LAVATORY AND FAUCET TO BE REMOVED AND RETURNED TO OWNER. CAP EXISTING PIPING BEHIND FINISHED SURFACES. PATCH OPENINGS TO MATCH EXISTING.
- (E) LAVATORY AND FAUCET TO BE REMOVED AND RE-USED (w/ (N) FAUCET). -SEE 3/A2.01. CAP EXISTING PIPING BEHIND FINISHED SURFACES. PATCH OPENINGS TO MATCH EXISTING.
- (E) GRAB BARS TO BE REMOVED.
- (E) GRAB BARS TO BE REMOVED AND RE-USED. -SEE 3 & 12/A2.01.
- (E) MIRROR TO BE REMOVED AND RE-USED.
- (E) FIXTURES TO BE REMOVED.
- (E) NON-BEARING WALL TO BE REMOVED.
- (N) 2x12 STUD WALL, w/5/8" GYP. BD. & FULL HEIGHT FRP BOTH SIDES. -SEE 3,4,5,6 & 7/A8.01 FOR ATTACHMENT & BRACING DETAILS.
- (E) FRP TO REMAIN.
- (N) FRP.
- (N) PAPER TOWEL DISPENSER (BOBRICK B-262).
- RELOCATED 42" LONG GRAB BAR GB-1 - SEE DETAIL 11 & 12/A2.01.
- RELOCATED 36" LONG GRAB BAR GB-1 - SEE DETAIL 11 & 12/A2.01.
- NOT USED.
- (E) DOOR TO REMAIN.
- (E) SIGNAGE TO BE REMOVED.
- NEW LOCATION OF RELOCATED EXISTING WALL MOUNTED WATER CLOSET, CARRIER, AND SEAT WITH (N) 1.28 GPF FLUSH VALVE. SLOAN ROYAL 111-1.28 FLUSH VALVE WITH HANDLE POINTED TOWARDS WIDE SIDE OF STALL. EXTEND AND RECONNECT EXISTING PLUMBING UTILITIES TO WATER CLOSET. 1-1/2" WATER, 4" SEWER, 2" VENT. PROVIDE NEW ROUGH-IN SAWCUT AND PATCH AS NEEDED TO MATCH EXISTING.
- (N) TOILET PAPER DISPENSER PER DISTRICT STANDARDS & 7/A2.01 (BOBRICK B-2888).
- (N) SOAP DISPENSER PER DISTRICT STANDARDS & 7/A2.01 (BOBRICK B-2111).
- NEW LOCATION OF RELOCATED EXISTING LAVATORY WITH NEW FAUCET. CHICAGO 420-T41E2805ABCP 0.5 GPM FAUCET. -SEE 8/A2.01. EXTEND AND CONNECT EXISTING PLUMBING UTILITIES TO LAV. 3/4" COLD WATER, 3/4" HOT WATER, 2" WASTE, 1-1/2" VENT. PROVIDE NEW ROUGH-IN. SAWCUT AND PATCH AS NEEDED TO MATCH EXISTING.
- 30"x48" CLEAR FLOOR SPACE.
- 59"x60" WATER CLOSET CLEARANCE AREA.
- 48"x60" MANEUVERING SPACE.
- (N) ACCESSIBLE ROOM SIGN. - SEE 10/A2.01.
- (N) RESTROOM IDENTIFICATION SIGH. -SEE 10/A2.01.
- (N) TACTILE ROOM IDENTIFICATION SIGN. -SEE 4/A1.02.
- RELOCATED (E) MIRROR.
- (N) 6" TOP SET BASE.
- (E) T-BAR CEILING TO REMAIN.
- (E) RECESSED LIGHT FIXTURE TO REMAIN.
- NOT USED.
- (E) EXHAUST FAN TO REMAIN.
- (E) T-BAR CEILING TO BE REMOVED IN THIS AREA.
- (N) T-BAR CEILING IN THIS AREA. -SEE 1/A8.01.
- (E) MIRROR TO BE REMOVED & RETURNED TO OWNER.
- (E) SHEET VINYL FLOORING TO BE REMOVED.
- (N) SHEET VINYL FLOORING.
- (N) TOILET SEAT COVER DISPENSER (BOBRICK B-221).
- (E) DOOR TO REMAIN, REMOVED CLOSURE.

**GENERAL NOTES**

- CONTRACTOR SHALL PROVIDE BACKING AS PER MANUFACTURES REQUIREMENTS FOR ALL WALL MOUNTED ACCESSORIES. SEE DETAIL 7/A2.01 FOR ACCESSORY MOUNTING HEIGHTS
- COLORS FOR ALL ITEMS OF WORK SHALL BE SELECTED BY ARCHITECT
- CONTRACTOR SHALL COORDINATE w/ ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS FOR LOCATIONS OF ALL OUTLETS, EXITS SIGNS, DATA BOXES, ACCESS DOORS, AND REQUIRED FINISHES
- SEE DETAILS ON SHEET A2.01 FOR STANDARD MINIMUM ACCESSIBLE CLEARANCES/HEIGHTS AT TOILETS, LAVATORIES, TOILET ACCESSORIES, DRINKING FOUNTAINS, ETC.
- CONTRACTOR TO PATCH & REPAIR WALL TO MATCH ADJACENT WALL WHERE FIXTURES ARE REMOVED.
- CONTRACTOR TO CAP PLUMBING FIXTURES PLUMBING FIXTURE PIPES WHERE REMOVED.

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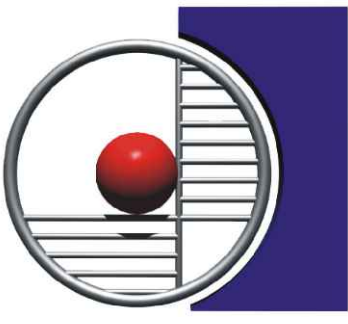
**BAKERSFIELD  
CITY SCHOOL  
DISTRICT**  
1300 BAKER ST.  
BAKERSFIELD, CA 93305

Project Name:

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SCHOOL**  
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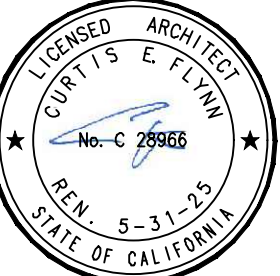
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**ARCHITECTURE  
ENGINEERING  
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Sheet Title:

**FLOOR PLAN -  
TOILET ROOM**

Job No.:

**5625**

Sheet No.:

**A2.01**

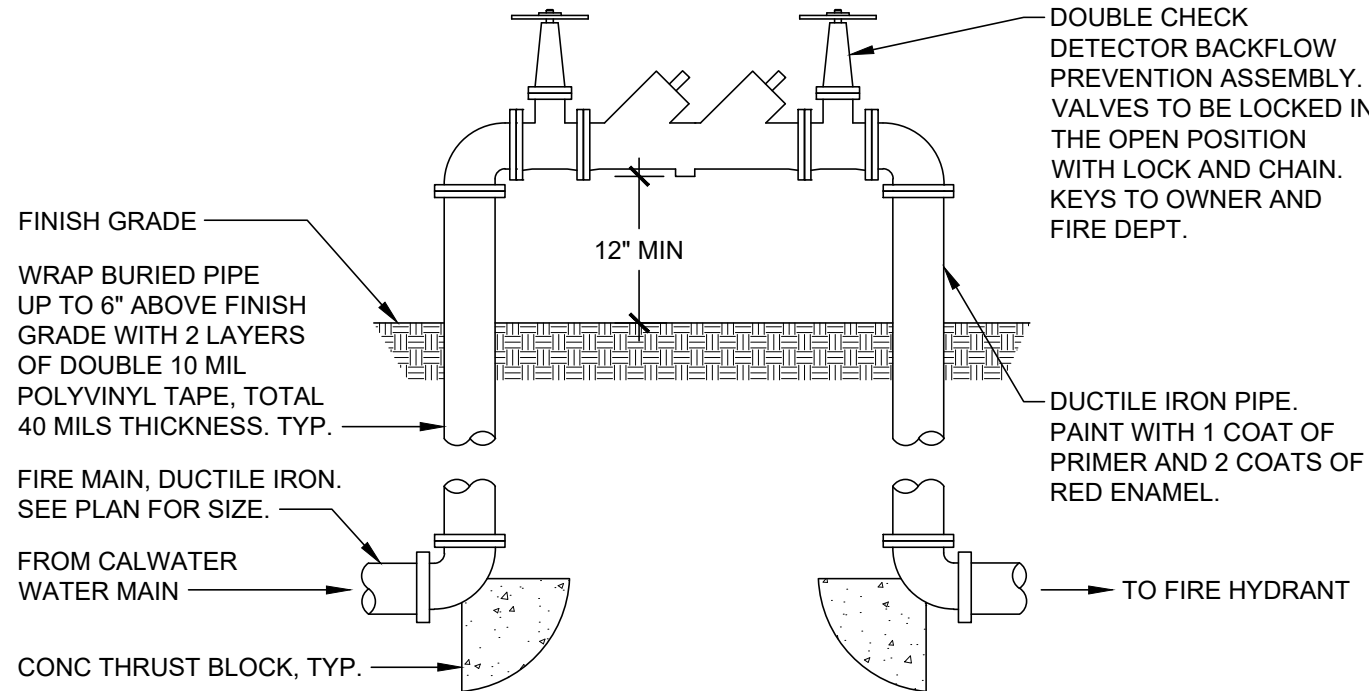
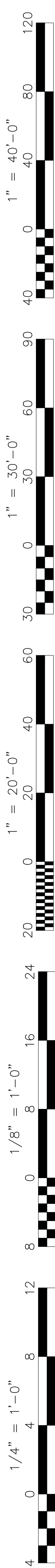
Release:

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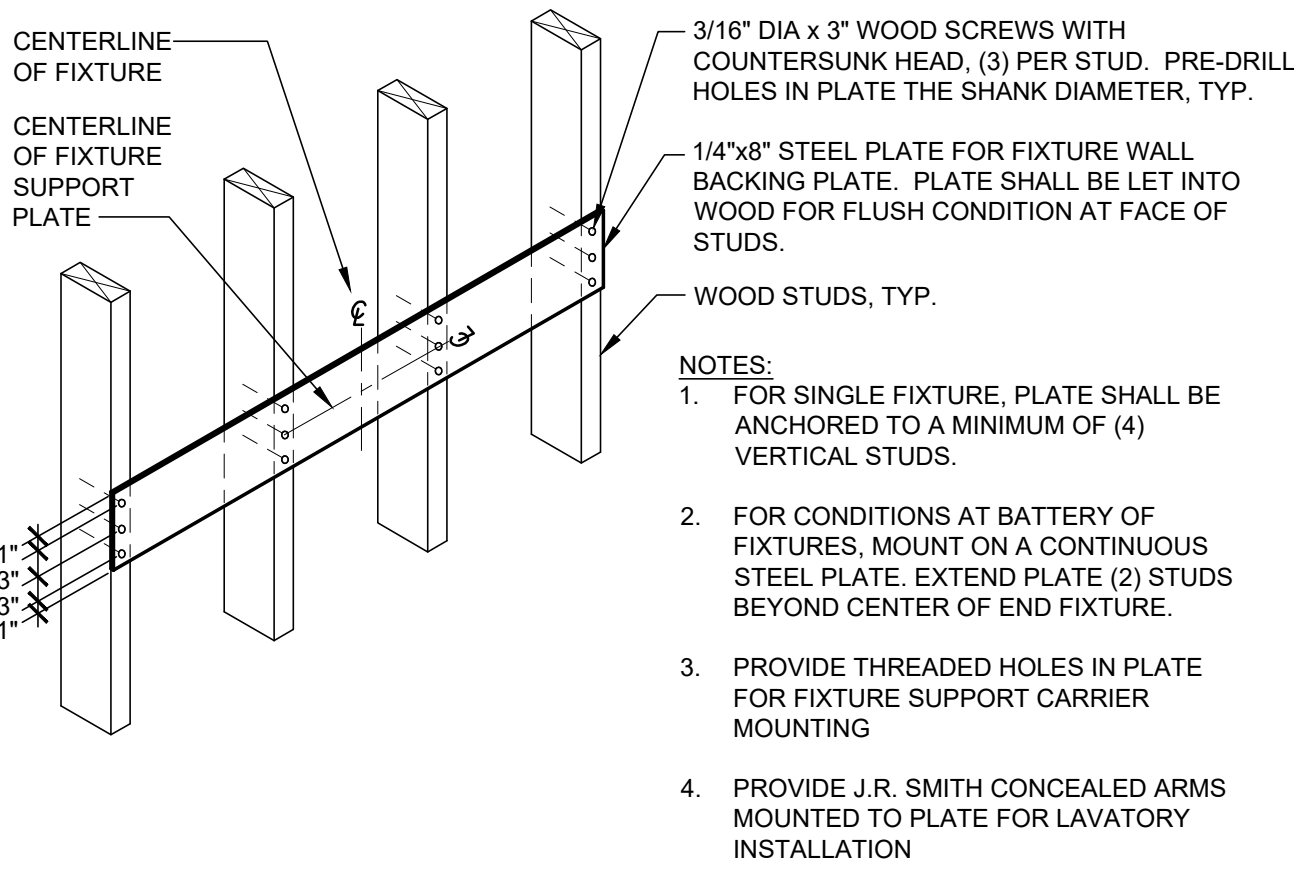




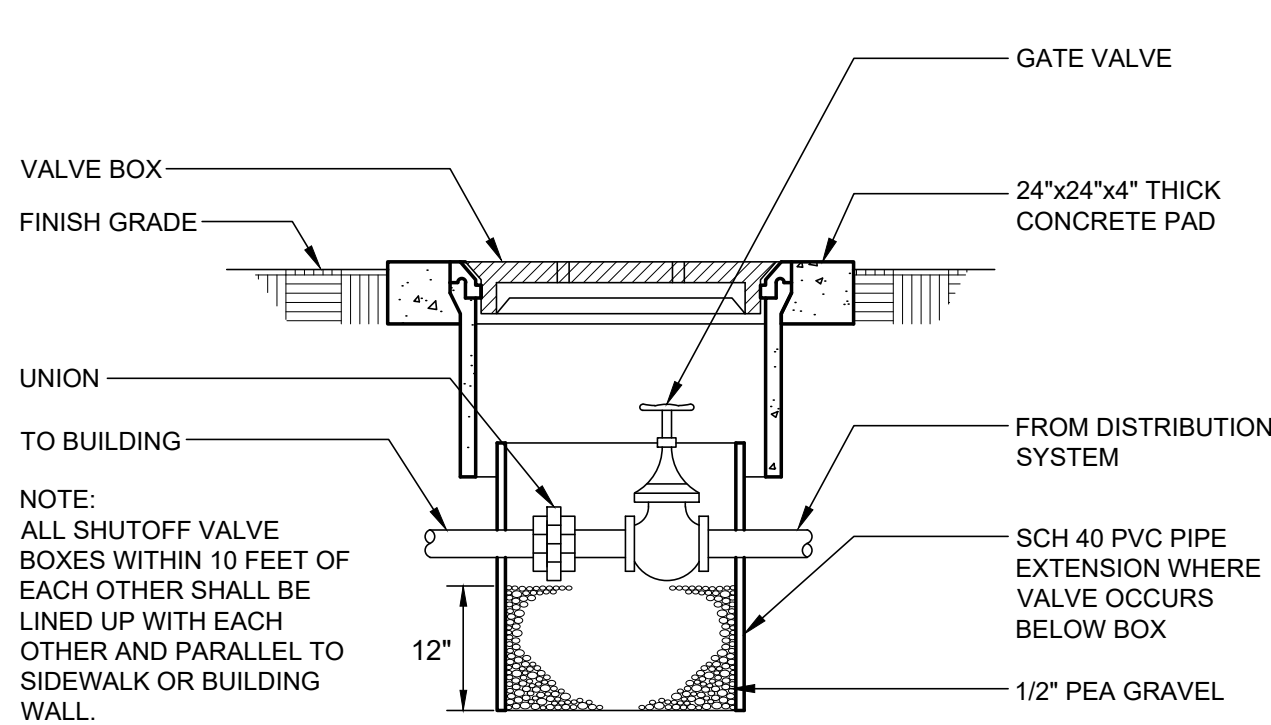




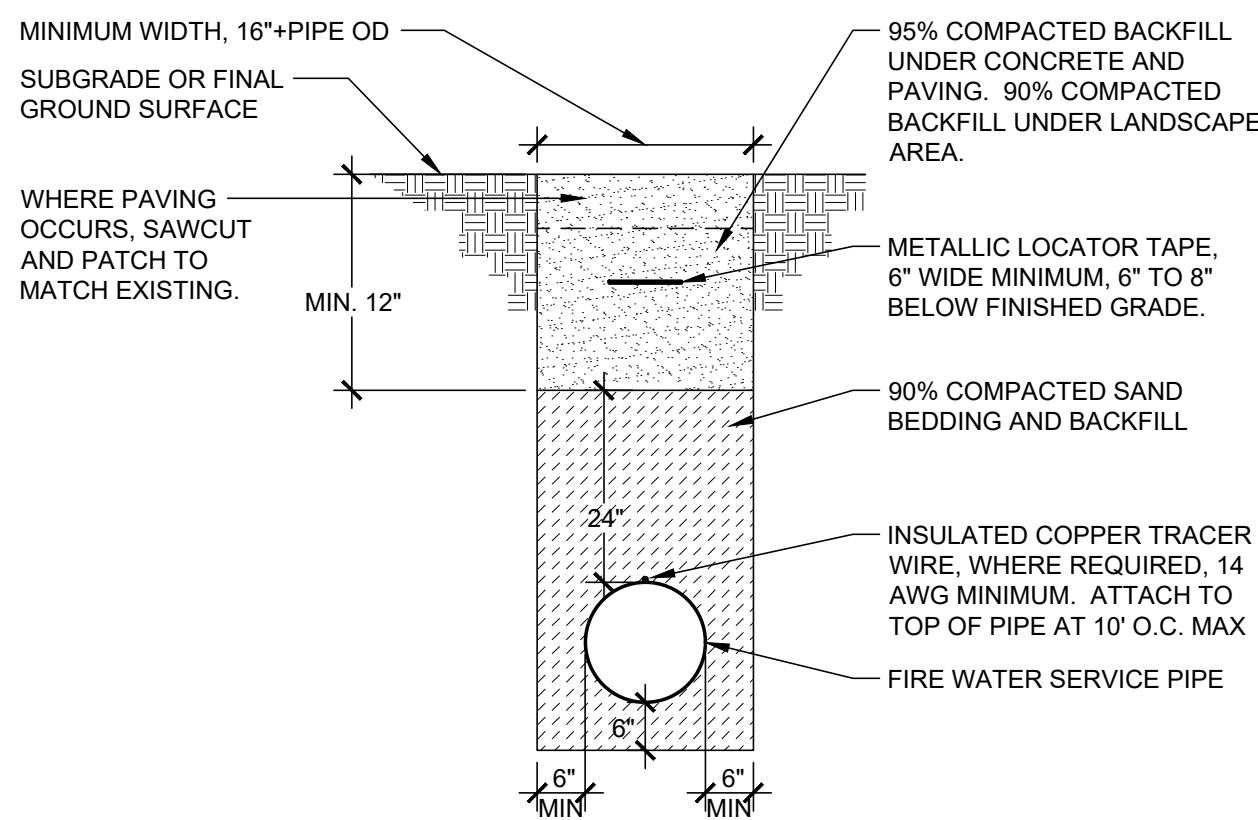
**5 BACKFLOW PREVENTION ASSEMBLY**  
P0.01 SCALE: N.T.S.



**6 FIXTURE SUPPORT BACKING - WOOD STUDS**  
P0.01 SCALE: N.T.S.

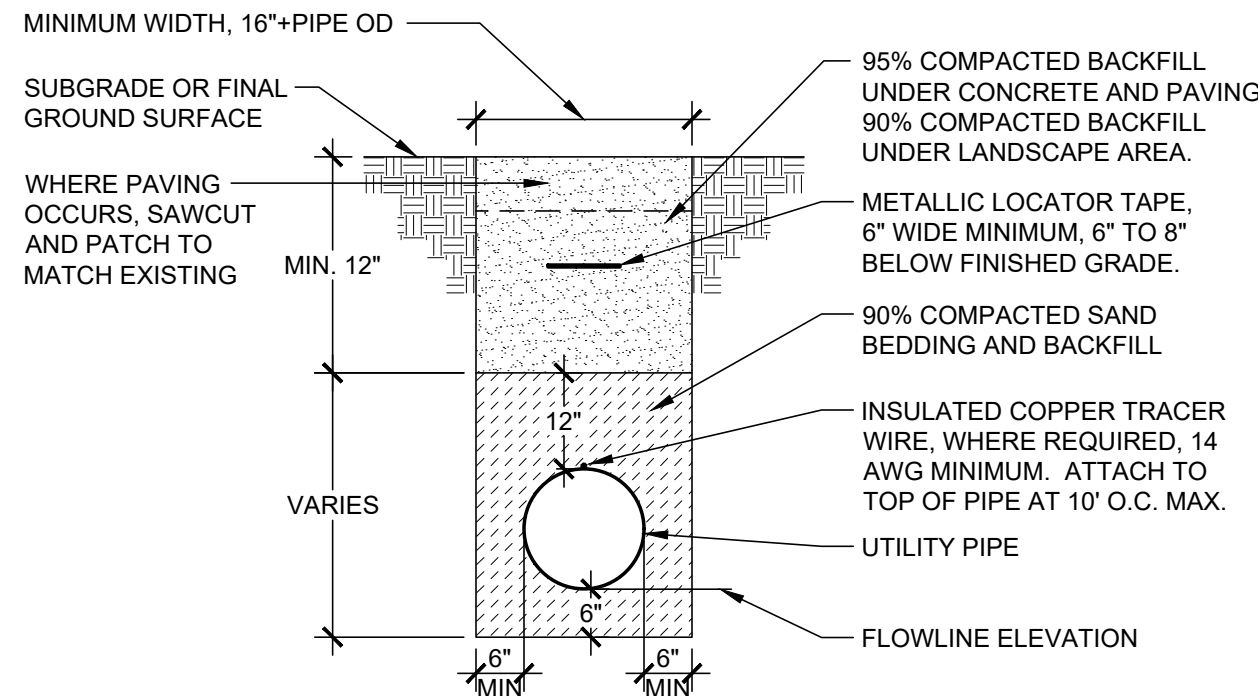


**1 SHUTOFF VALVE IN BOX**  
P0.01 SCALE: N.T.S.

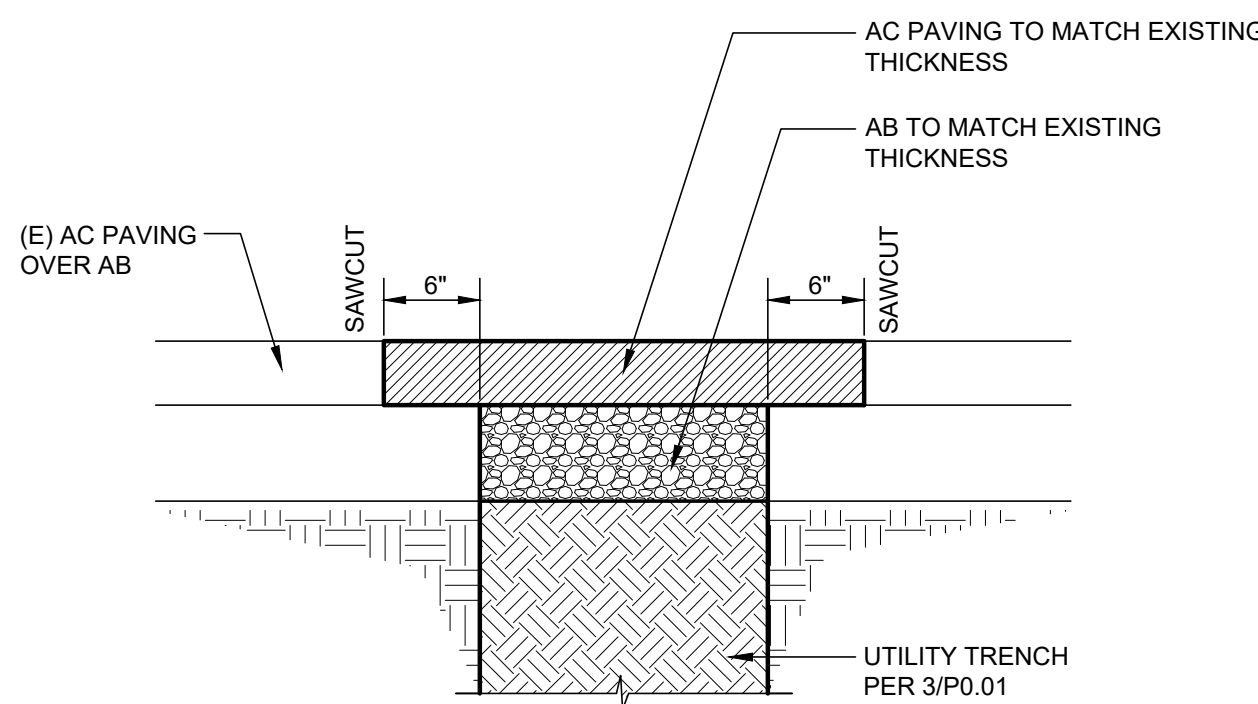


**2 PIPE TRENCH - FIRE MAIN**  
P0.01 SCALE: N.T.S.

NOTE:  
1. FOR SAWCUT AND PATCH, SEE 4/P0.01 FOR EXISTING AC PAVING.



**3 PIPE TRENCH**  
P0.01 SCALE: N.T.S.



**4 TRENCH - AC PAVING SAWCUT AND PATCH**  
P0.01 SCALE: N.T.S.

## GENERAL NOTES

- A. THE PLANS AND SPECIFICATIONS DESCRIBE THE PLUMBING WORK AND FIRE PROTECTION WORK OF THIS PROJECT. ANY ITEMS MENTIONED IN ONE PART SHALL BE AS BINDING AS THOUGH MENTIONED IN BOTH. PROVIDE THE NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS, AND SERVICES FOR A COMPLETE FUNCTIONING SYSTEM.
- B. ALL LOCATIONS OF EXISTING UTILITIES, EQUIPMENT, AND PIPING SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK, INCLUDING EXACT LOCATION, SIZE, SERVICE, AND ROUTING OF EXISTING UTILITIES AND PIPING. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY EXISTING CONDITIONS WHICH MAY CONFLICT WITH INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS.
- C. PLUMBING AND FIRE PROTECTION LAYOUTS INDICATED ON PLANS ARE DIAGRAMMATIC ONLY. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. EXACT LOCATION OF EQUIPMENT AND PIPES SHALL BE COORDINATED WITH OTHER TRADES.
- D. PROVIDE CLEANOUTS PER CPC SECTIONS 707, 719, AND 1101.13.
- E. PROVIDE PLUMBING VENT TERMINATION PER CPC SECTION 906. PLUMBING VENTS SHALL TERMINATE NOT LESS THAN TEN FEET FROM, OR NOT LESS THAN THREE FEET ABOVE, AN OPENABLE WINDOW, DOOR, OPENING, AIR INTAKE, OR VENT SHAFT. COORDINATE EXACT LOCATION WITH OTHER TRADES.
- F. FIRE WATER PIPE FOR THE FIRE LINE SHALL BE POLYVINYL CHLORIDE (PVC) PIPE CONFORMING TO AWWA C900, DR 14 PRESSURE CLASS 305 PSI, AND SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- G. PROVIDE THRUST BLOCKS FOR ALL TEES, PLUGS, CAPS, AND BENDS PER NFPA 24. INSTALLING CONTRACTOR SHALL SIZE THE THRUST BLOCKS PER CITY OF BAKERSFIELD WATER RESOURCES DEPT STANDARD W-2.
- H. HYDRANTS, FIRE DEPARTMENT CONNECTIONS, AND POST INDICATOR VALVES SHALL BE INSTALLED PER LOCAL FIRE PROTECTION DISTRICT STANDARDS.
- J. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PER CBC SECTION 714. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE FIRE MARSHAL. SEE ARCHITECTURAL PLANS FOR LOCATION OF FIRE RATED ASSEMBLIES.
- K. THE SEISMIC RESTRAINT OF MECHANICAL EQUIPMENT AND PIPES SHALL CONFORM TO CBC CHAPTER 16A.

PLUMBING FIXTURE & EQUIPMENT SCHEDULE						
MARK	FIXTURE	CONNECTIONS				DESCRIPTION
		CW	HW	W	V	
<div><div>FV</div><div>1</div></div>	FLUSH VALVE ADA	1"	-	-	-	SLOAN "ROYAL" 111-1.28 FLUSH VALVE WITH HANDLE POINTED TOWARDS WIDE SIDE OF STALL, 1.28 GPF.
<div><div>WHA</div><div>1</div></div>	WATER HAMMER ARRESTER	1/2"	-	-	-	SIOUX CHIEF HYDRA-RESTER 652-AS, SEAMLESS COPPER CHAMBER APPROVED FOR CONCEALED INSTALLATION, UP TO 11 FIXTURE UNITS. INSTALL IN UPWARD POSITION.
<div><div>LT</div><div>1</div></div>	LAV TRIM	1/2"	1/2"	-	-	CHICAGO 420-741E2805ABCP 0.5 GPM FAUCET WITH HOT WATER LIMIT SET TO 105F, INTEGRAL INLET CHECK VALVES, SINGLE LEVER WITH VANDAL PROOF NON-AERATING OUTLET.

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

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

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

- 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.

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

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

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

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

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):  
MP ☐ MD ☐ PP ☐ E ☐ OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP ☐ MD ☐ PP ☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

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**GENERAL  
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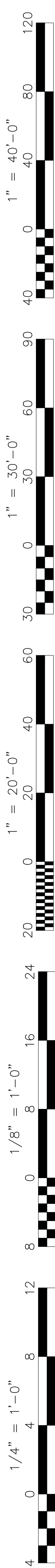
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# GENERAL MECHANICAL SPECIFICATIONS

1. CODES AND REGULATIONS:  
ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.  
  
A. CALIFORNIA CODE OF REGULATIONS, TITLE 8, INDUSTRIAL RELATIONS  
B. CALIFORNIA CODE OF REGULATIONS, TITLE 17, PUBLIC HEALTH  
C. CALIFORNIA CODE OF REGULATIONS, TITLE 20, SECTION 1801 ET SEQ., APPLIANCE EFFICIENCY REGULATIONS  
D. CALIFORNIA CODE OF REGULATIONS, TITLE 24, BUILDING STANDARDS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:  
i. PART 1: CALIFORNIA ADMINISTRATIVE CODE - CAC - 2022  
ii. PART 2: CALIFORNIA BUILDING CODE - CBC - 2022  
iii. PART 3: CALIFORNIA ELECTRICAL CODE - CEC - 2022  
iv. PART 4: CALIFORNIA MECHANICAL CODE - CMC - 2022  
v. PART 5: CALIFORNIA PLUMBING CODE - CPC - 2022  
vi. PART 6: CALIFORNIA ENERGY CODE - CEEC - 2022  
vii. PART 9: CALIFORNIA FIRE CODE - CFC - 2022  
viii. PART 11: CALIFORNIA GREEN BUILDING STANDARDS CODE - CALGREEN - 2022  
E. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS - 2022 WITH CALIFORNIA AMENDMENTS  
F. NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES - 2019 WITH CALIFORNIA AMENDMENTS  
G. CITY OF BAKERSFIELD STANDARDS  
H. CALIFORNIA WATER SERVICE COMPANY STANDARDS  
J. BAKERSFIELD CITY SCHOOL DISTRICT STANDARDS

2. PERMIT AND FEES:  
THE CONTRACTOR SHALL TAKE OUT ALL PERMITS AND ARRANGE FOR ALL TESTS IN CONNECTION WITH HIS WORK AS REQUIRED. ALL CHARGES ARE TO BE INCLUDED IN THE WORK.

3. WORK BY OTHERS:  
UNLESS OTHERWISE NOTED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING AND DISCONNECTS.

4. GUARANTEE:  
THE CONTRACTOR SHALL REPAIR ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WHICH APPEARS WITHIN A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.

5. DAMAGES BY LEAKS:  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED BY LEAKS IN THE TEMPORARY OR PERMANENT PIPING SYSTEMS PRIOR TO COMPLETION OF WORK AND DURING THE PERIOD OF THE GUARANTEE, AND FOR DAMAGES CAUSED BY DISCONNECTED PIPES OR FITTINGS, AND THE OVERFLOW OF EQUIPMENT PRIOR TO COMPLETION OF THE WORK.

6. EXISTING UTILITIES:  
A. THE ENGINEER HAS INDICATED ON THE PLANS THE LOCATION OF KNOWN EXISTING UTILITIES WITHIN THE WORK AREA. THE LOCATION OF SAID UTILITIES SHALL BE CONSIDERED APPROXIMATE ONLY, UNTIL EXPOSED BY THE CONTRACTOR.  
B. SERVICE LATERALS HAVE BEEN SHOWN WHERE INFORMATION WAS AVAILABLE. THE LOCATION OF SAID UTILITIES SHALL BE CONSIDERED APPROXIMATE ONLY, UNTIL EXPOSED BY THE CONTRACTOR.  
C. CONTRACTOR SHALL VERIFY UTILITIES WITHIN THE WORK AREA, INCLUDING USING HAND METHOD. CONTRACT SHALL PROTECT ALL EXISTING UTILITIES NOT DESIGNATED TO BE REMOVED.  
D. MAINTAIN EXISTING UTILITY MAINS AND SERVICE LINES IN CONSTANT SERVICE DURING CONSTRUCTION OF THE WORK.

7. COMPATIBILITY WITH EXISTING SYSTEMS:  
ANY WORK WHICH IS DONE AS AN ADDITION, EXPANSION OR REMODEL OF AN EXISTING SYSTEM SHALL BE COMPATIBLE WITH THAT SYSTEM.

8. MATERIALS, EQUIPMENT, AND INSTALLATION:  
A. EACH ITEM REFERRED TO ON THE PLANS AND IN THE SPECIFICATIONS REPRESENTS THE STANDARD OF QUALITY DESIRED FOR MATERIALS, EQUIPMENT, AND INSTALLATION.  
B. ALL SUBSTITUTIONS MUST BE REVIEWED IN WRITING BY THE ENGINEER.  
C. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND FREE FROM DEFECTS. MATERIALS AND EQUIPMENT OF A GIVEN TYPE SHALL BE BY THE SAME MANUFACTURER.  
D. ALL INSTALLATIONS SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND AS SHOWN ON PLANS.  
E. MATERIALS AND EQUIPMENT SHALL BE COVERED OR OTHERWISE PROTECTED DURING CONSTRUCTION AS REQUIRED TO MAINTAIN THE MATERIAL AND EQUIPMENT IN NEW FACTORY CONDITION UNTIL PROJECT ACCEPTANCE.

9. SUBMITTALS:  
A. SHOP DRAWINGS - WITHIN 30 DAYS OF CONTRACT AWARD, THE CONTRACTOR SHALL SUBMIT ELECTRONIC SUBMITTALS AS PDF ELECTRONIC FILES OF SHOP DRAWINGS FOR ALL MATERIALS, EQUIPMENT, ETC. PROPOSED FOR USE ON THIS PROJECT. MATERIAL OR EQUIPMENT SHALL NOT BE ORDERED OR INSTALLED UNTIL WRITTEN REVIEW IS PROCESSED BY THE ENGINEER. ANY ITEM OMITTED FROM THE SUBMITTAL SHALL BE PROVIDED AS SPECIFIED WITHOUT SUBSTITUTION.  
B. SOURCE LIMITATIONS - MATERIALS AND EQUIPMENT OF A GIVEN TYPE SHALL BE BY THE SAME MANUFACTURER.  
C. SUBSTITUTIONS - MANUFACTURERS AND MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR ON THE DRAWINGS REPRESENT THE STANDARD OF QUALITY AND FEATURES DESIRED. WHERE EQUIPMENT IS SCHEDULED ON THE DRAWINGS, ANY EQUIPMENT SUBMITTED OTHER THAN SCHEDULED EQUIPMENT IS CONSIDERED A SUBSTITUTION. UNLESS OTHERWISE NOTED, ALTERNATE MANUFACTURERS MAY BE SUBMITTED FOR REVIEW BY THE ENGINEER. A COMPLETED AND SIGNED SUBSTITUTION REQUEST FORM SHALL BE INCLUDED. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY THAT SUBSTITUTED ITEMS OR PROCEDURES WILL MEET THE SPECIFICATION AND JOB REQUIREMENTS AND SHALL BE RESPONSIBLE FOR THE COST OF REDESIGN AND MODIFICATIONS TO THE WORK CAUSED BY THESE ITEMS.

10. EXCAVATION AND BACKFILL:  
A. GENERAL - BARREL OF PIPE SHALL HAVE UNIFORM SUPPORT ON SAND BED. SAND SHALL BE FREE FROM CLAY OR ORGANIC MATERIAL, SUITABLE FOR THE PURPOSE INTENDED AND SHALL BE OF SUCH SIZE THAT 90% TO 100% WILL PASS A NO. 4 SIEVE AND NOT MORE THAN 5% WILL PASS A NO. 200 SIEVE. UNLESS OTHERWISE NOTED, MINIMUM EARTH COVER ABOVE TOP OF PIPE OR TUBING OUTSIDE BUILDING WALLS SHALL BE 24"; NOT INCLUDING BASE AND PAVING IN PAVED AREAS.  
i. FIRE WATER SERVICE PIPING SHALL HAVE 36" OF COVER, MINIMUM.  
B. EXCAVATION - WIDTH OF TRENCHES AT TOP OF PIPE SHALL BE MINIMUM OF 16", PLUS THE OUTSIDE DIAMETER OF THE PIPE. PROVIDE ALL SHORING REQUIRED BY SITE CONDITIONS. WHERE OVER EXCAVATION OCCURS, PROVIDE COMPACTED SAND BACKFILL TO PIPE BOTTOM. WHERE GROUNDWATER IS ENCOUNTERED, REMOVE TO KEEP EXCAVATION DRY, USING WELL POINTS AND PUMPS AS REQUIRED.  
C. BACKFILL:  
i. 6" BELOW, AROUND, AND TO 12" ABOVE PIPE - MATERIAL SHALL BE SAND. PLACE CAREFULLY AROUND AND ON TOP OF PIPE, TAKING CARE NOT TO DISTURB PIPING, CONSOLIDATE WITH VIBRATOR.  
ii. ONE FOOT ABOVE PIPE TO GRADE - MATERIAL SHALL BE SANDY OR SILTY LOAM, FREE OF LUMPS, LAID IN 6" LAYERS, UNIFORMLY MIXED TO PROPER MOISTURE AND COMPACTED TO REQUIRED DENSITY. IF BACKFILL IS DETERMINED TO BE SUITABLE AND REQUIRED COMPACTION IS DEMONSTRATED BY LABORATORY TEST, WATER COMPACTION IN 6" LAYERS MAY BE USED, SUBJECT TO REVIEW BY ENGINEER.  
D. COMPACTION - COMPACT TO DENSITY OF 95% WITHIN BUILDING AND UNDER WALKWAYS, DRIVEWAYS, TRAFFIC AREAS, PAVED AREAS, ETC. AND TO 90% ELSEWHERE. DEMONSTRATE PROPER COMPACTION BY TESTING AT TOP, BOTTOM AND ONE-HALF OF THE TRENCH DEPTH. PERFORM THESE TESTS AT THREE LOCATIONS PER 100 FEET OF TRENCH.

11. PROTECTION FOR UNDERGROUND PIPING:  
A. ALL FERROUS PIPE BELOW GRADE (EXCEPT CAST IRON) SHALL BE ENCASED IN POLYETHYLENE TUBE, MINIMUM 8 MIL THICK, ANSI/AWWA C105/A21.5. POLYWRAP.  
OR SHALL HAVE A FACTORY APPLIED PROTECTIVE COATING OF EXTRUDED HIGH DENSITY POLYETHYLENE, 35 TO 70 MILS TOTAL THICKNESS. PROTECTIVE COATING SHALL BE EXTENDED 6" ABOVE SURROUNDING GRADE. X-TRU-COAT, SCOTCHKOTE.  
B. ALL FERROUS PIPE FITTINGS AND AREAS OF DAMAGED COATING SHALL BE COVERED WITH TWO LAYERS DOUBLE WRAP OF 10 MIL POLYVINYL TAPE TO TOTAL THICKNESS OF 40 MILS. JOHNS-MANVILLE.  
C. DETECTABLE WARNING TAPE - PREPRINTED WITH A DESCRIPTION OF UNDERGROUND UTILITY, COLOR CODED, A MINIMUM OF 6" WIDE AND 4 MILS THICK, METALLIC RIBBON MARKER CAPABLE OF BEING LOCATED WITH A METAL DETECTOR. CHRISTY, SETON.  
D. TRACER WIRE - MINIMUM 14 AWG COPPER, CORROSION RESISTANT POLYETHYLENE INSULATED FOR DIRECT BURIAL. AGAVE WIRE, SOUTHWIRE.

12. SUPPORTS:  
ALL MECHANICAL SYSTEMS (EQUIPMENT, DUCTWORK, PIPING, ETC.) SHALL BE PROVIDED WITH SUPPORTS.

13. SYSTEM IDENTIFICATION:  
A. BELOW GRADE PIPING:  
i. BURY DETECTABLE WARNING TAPE WITH EACH UNDERGROUND PIPE. LOCATE DIRECTLY OVER BURIED PIPE, 6" TO 8" BELOW FINISHED GRADE.  
ii. SECURE INSULATED TRACER WIRE TO PLASTIC PIPING WITH NYLON TIES AT MAXIMUM 10 FEET INTERVAL. ALL WIRE-TO-WIRE CONNECTIONS SHALL BE SOLDERED TO PROVIDE CONTINUITY AND TAPED TO PREVENT ENTRY OF MOISTURE. TRACER WIRES SHALL TERMINATE 6" ABOVE GROUND AT EACH END OF PIPING.

14. CLEANING:  
A. PROGRESSIVELY AND AT COMPLETION OF THE JOB, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL OF HIS WORK, REMOVING ALL DEBRIS, STAIN AND MARKS RESULTING FROM HIS WORK. THIS INCLUDES BUT IS NOT LIMITED TO BUILDING SURFACES, PIPING, EQUIPMENT AND DUCTWORK, INSIDE AND OUT. SURFACES SHALL BE FREE OF DIRT, GREASE, LABELS, TAGS, TAPE, RUST, AND ALL FOREIGN MATERIAL.  
B. AT END OF EACH WORK DAY, THE CONTRACTOR SHALL COVER ALL OPEN ENDS OF PIPING AND DUCTWORK WITH PROTECTIVE PLASTIC.

15. ACCEPTANCE TESTING:  
ACCEPTANCE TESTING SHALL BE PERFORMED BY A CERTIFIED MECHANICAL ACCEPTANCE TEST TECHNICIAN (CMATT). THE CMATT SHALL PERFORM, DOCUMENT, REGISTER, AND SUBMIT ALL ACCEPTANCE TESTING AS REQUIRED BY CALIFORNIA CODE OF REGULATIONS, TITLE 24, AND AS NOTED ON THE CERTIFICATE OF COMPLIANCE FORM, WHERE APPLICABLE.

16. OPERATING AND MAINTENANCE INSTRUCTIONS:  
THREE COPIES OF OPERATION AND MAINTENANCE INSTRUCTIONS AND WIRING DIAGRAMS FOR ALL EQUIPMENT AND PARTS LIST FOR ALL FAUCETS, TRIM, VALVES, ETC. SHALL BE SUBMITTED TO THE OWNER, THROUGH THE ARCHITECT. ALL INSTRUCTIONS SHALL BE SUBMITTED AT THE SAME TIME AND SHALL BE BOUND IN A SUITABLE BINDER WITH TABS DIVIDING EACH TYPE OF EQUIPMENT (e.g. PUMPS, FANS, MOTORS, ETC.).

17. RECORD DRAWINGS:  
AS WORK PROGRESSES, THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL DEVIATIONS IN THE WORK FROM THAT INDICATED ON THE DRAWINGS. FINAL LOCATION OF ALL UNDERGROUND WORK SHALL BE RECORDED BY DEPTH FROM FINISHED GRADE AND BY OFFSET DISTANCE FROM PERMANENT SURFACE STRUCTURE. IN ADDITION, WATER, GAS, SEWER, ETC. WITHIN THE BUILDING SHALL BE RECORDED BY OFFSET DISTANCES FROM BUILDING WALLS. THE RECORD DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT.

# PLUMBING SPECIFICATIONS

1. ALL GENERAL MECHANICAL SPECIFICATIONS APPLY TO THIS SECTION.

2. LAYOUT:  
PIPING SHALL BE CONCEALED IN WALLS, ABOVE THE CEILING, OR BELOW GRADE UNLESS OTHERWISE NOTED. ROUTE PIPING TO AVOID CUTTING STRUCTURAL MEMBERS. WHERE CUTTING OR NOTCHING IS REQUIRED, THE STRUCTURAL MEMBER SHALL BE REINFORCED IN ACCORDANCE WITH CBC. PIPING SHALL BE INSTALLED TO ENSURE UNRESTRICTED FLOW, ELIMINATE AIR POCKETS, PREVENT UNUSUAL NOISE AND PERMIT COMPLETE DRAINAGE OF THE SYSTEM. PROVIDE INDIVIDUAL SHUT OFF VALVES AT EACH FITTURE AND EQUIPMENT.

3. PIPING MATERIAL:  
A. SOIL, WASTE, AND VENT  
i. INSIDE BUILDING AND WITHIN FIVE FEET OF BUILDING WALLS - STANDARD WEIGHT COATED CAST IRON PIPE AND FITTINGS. PLAIN END, CISPI 301, ASTM A888, OR HUB END WITH RUBBER GASKETS, ASTM A74, ASTM C564. A88J, CHARLOTTE, JC CAST IRON, STAR PIPE PRODUCTS, TYLER.  
ii. COUPLINGS SHALL BE HEAVY DUTY SHIELDED COUPLINGS, TYPE 304 STAINLESS STEEL, WITH NEOPRENE GASKET, ASTM C-1540. HUSKY HD 2000, CLAM-SHLL 80, MISSION HEAVYWEIGHT.  
a. OUTSIDE BUILDING, BEYOND FIVE FEET OF BUILDING WALLS - POLYVINYL CHLORIDE (PVC), SDR 35, ASTM D3034 PIPE AND PVC FITTINGS WITH RUBBER RING JOINTS. CHARLOTTE PIPE, JM EAGLE, NORTH AMERICAN PIPE CORPORATION.  
a. PIPING WITH LESS THAN 24" OF COVER SHALL BE CAST IRON.  
iii. FLOOR CLEANOUTS - ROUND, CAST IRON ADJUSTABLE HOUSING, TAPER THREADED BRONZE CLOSURE PLUG. SAME SIZE AS CONNECTED DRAINAGE PIPING. J.R. SMITH 4023 WITH NICKEL BRONZE TOP IN FINISHED AREAS; J.R. SMITH 4223 WITH EXTRA HEAVY DUTY CAST IRON TOP IN UTILITY AREAS.  
iv. WALL CLEANOUTS - CAST IRON CLEANOUT TEE WITH TAPER THREADED BRONZE PLUG AND STAINLESS STEEL WALL ACCESS. SAME SIZE AS CONNECTED DRAINAGE PIPING. J.R. SMITH 4532 WITH STAINLESS STEEL ROUND COVER AND SCREW; J.R. SMITH 4558 WITH STAINLESS STEEL SQUARE COVER AND SCREW IN TILE WALL.  
v. PIPE CLEANOUTS - IRON BODY WITH THREADED BRASS PLUG.  
vi. CLEANOUT BOX - PRECAST REINFORCED CONCRETE. CAST IRON LID MARKED WITH "SEWER" LETTERING. H20 TRAFFIC RATED BOX AND LID. CHRISTY G05T.  
B. DOMESTIC COLD WATER  
i. INSIDE BUILDING, WITHIN FIVE FEET OF BUILDING WALLS, AND ALL ABOVE GRADE - HARD TEMPER SEAMLESS COPPER, ASTM B88. WROUGHT COPPER FITTINGS, ANSI B16.22. TYPE L WITH BRAZED JOINTS (1100F MIN). 1-1/2" AND SMALLER ABOVE GRADE MAY BE SOLDERED, 95-5 TIN-ANTIMONY SOLDER. ALL NIPPLES SHALL BE RED BRASS (85% COPPER).  
ii. OUTSIDE BUILDING, BELOW GRADE BEYOND FIVE FEET OF BUILDING - SAME AS INSIDE BUILDING. OR 3" AND SMALLER MAY BE POLYVINYL CHLORIDE (PVC), SCHEDULE 40, ASTM D1785 WITH SOLVENT WELD FITTINGS WHERE APPROVED BY ADMINISTRATIVE AUTHORITY.  
C. DOMESTIC HOT WATER  
i. INSIDE BUILDING, ABOVE GRADE - SAME AS COLD WATER PIPING, INSIDE BUILDING.

4. VALVES:  
ALL VALVES OF A PARTICULAR TYPE OR FOR A PARTICULAR SERVICE SHALL BE BY THE SAME MANUFACTURER. PROVIDE CHAIN WHEEL OPERATOR WHERE VALVE IS MORE THAN 10 FEET ABOVE FINISH FLOOR.  
A. GATE VALVES:  
i. 2" AND SMALLER - ALL BRONZE. THREADED BONNET. NON-RISING STEM. WEDGE DISK. MALLEABLE IRON HANDWHEEL. 300 PSI CWP RATING. NIBCO T-113-LF.  
ii. UNDERGROUND VALVES SHALL HAVE SQUARE OPERATING NUT. PROVIDE OPERATING "T" HANDLES FOR UNDERGROUND VALVES.  
B. BALL VALVES, 2" AND SMALLER - FULL PORT. BRONZE OR BRASS BODY, CAP, STEM, DISK AND BALL. THREADED CONNECTION. LEVER HANDLE. PTFE SEAT. O-RING SEALS. PRESSURE RATED 600 PSI NON-SHOCK CWP. MAXIMUM 100 PSI AT 300°F. ADOLLO, NIBCO T-685-80-LF, WATTS.  
C. VALVE BOX - PRECAST REINFORCED CONCRETE. CAST IRON LID MARKED FOR SERVICE. H20 TRAFFIC RATED BOX AND LID. CHRISTY G05T. PROVIDE MINIMUM 6" DIAMETER PIPE EXTENDED FROM TOP OF VALVE TO 6" OF TOP OF VALVE BOX.  
D. "T" HANDLES FOR UNDERGROUND VALVES - PROVIDE A MINIMUM OF TWO OPERATING "T" HANDLES FOR UNDERGROUND VALVES FOR EACH UNDERGROUND SYSTEM WHERE VALVES ARE REQUIRED. THE LENGTHS OF THE HANDLES ARE DEPENDENT UPON THE DEPTH OF THE VALVES AND THE ABILITY OF THE HANDLES TO FULLY OPEN AND/OR CLOSE THE VALVES. AT LEAST ONE "T" HANDLE FOR EACH SYSTEM SHALL BE ON SITE AT THE BEGINNING OF THE INSTALLATION OF A PARTICULAR SYSTEM FOR EMERGENCIES, AND THE CONSTRUCTION MANAGER SHALL HAVE ACCESS TO THESE "T" HANDLES AND VALVES.
5. MISCELLANEOUS SPECIALTIES:  
A. TRANSITION FITTINGS: MANUFACTURED FITTING OR COUPLING SAME SIZE AS, WITH PRESSURE RATING AT LEAST EQUAL TO AND ENDS COMPATIBLE WITH, PIPING TO BE JOINED.  
B. UNIONS:  
i. 2" AND SMALLER - AAR MALLEABLE IRON, BRONZE TO IRON GROUND SEAT. 300 PSI. UNIONS FOR COPPER PIPING SHALL BE COPPER OR CAST BRONZE. ANVIL.  
C. DIELECTRIC COUPLING - INSULATING UNION OR FLANGE RATED FOR 250 PSIG. EPCO, ZURN WILKINS SERIES DUXL.  
D. SHOCK ABSORBER - MULTIPLE BELLOWES. STAINLESS STEEL OR COPPER CONSTRUCTION. DESIGNED AND APPLIED IN ACCORDANCE WITH PDJ WH201. AMITROL, SIOUX CHIEF, JR SMITH, WADE, ZURN.  
E. ESCUTCHEONS - CHROME PLATED, METAL TYPE WITH FASTENERS.

6. MISCELLANEOUS PIPING ITEMS:  
A. PIPE LABELS, ABOVE GRADE PIPING - PREPRINTED, COLOR CODED, WITH LETTERING INDICATING SERVICE, AND ARROW SHOWING FLOW DIRECTION. CONTACT TYPE, PERMANENT ADHESIVE BACKING. BRADY CORP, CHAMPION AMERICA, SETON.

7. PIPE SUPPORT: FINISH SHALL BE GALVANIZED, UNLESS NOTED OTHERWISE.  
A. PIPE HANGER - GALVANIZED STEEL "J" HANGER WITH SIDE BOLT FOR PIPING 4" AND SMALLER; GALVANIZED STEEL CLEVIS HANGER FOR PIPING 5" AND LARGER. LOAD AND JAM NUTS. SIZE AND MAXIMUM LOAD PER MANUFACTURER'S RECOMMENDATION. FELT LINER FOR COPPER PIPING. ANVIL, B-LINE, TOLCO, UNISTRUT.

PIPE SIZE	MAXIMUM SUPPORT SPACING	
	COPPER	SCH 40 STEEL
1/2"	6'	8'
3/4"	6'	8'
1"	6'	10'
1-1/4"	6'	10'
1-1/2"	6'	10'
2"	10'	10'
2-1/2"	10'	10'

B. INSULATION SUPPORT - CALCIUM SILICATE INSULATION, 100 PSI, OR HEAVY DENSITY FIBER GLASS 100 PSI. INSULATION THICKNESS EQUAL TO ADJOINING PIPE INSULATION. STEEL SUPPORT SHIELD OR SADDLE. PROVIDE VAPOR BARRIER FOR CHILLED WATER PIPING, INSULATION AND/OR VAPOR BARRIER SHALL EXTEND 1" BEYOND STEEL SUPPORT. PIPE HANGER IN ACCORDANCE WITH "A" ABOVE. INCREASE HANGER SIZE PER MANUFACTURER'S RECOMMENDATION. B-LINE, INSULATED PIPE SHIELDS, INC., UNI-GRIP.  
C. ISOLATING SHIELD - GALVANIZED STEEL SHELL AND REINFORCING RIBS. 1/4" NON-CONDUCTING HAIR FELT PAD. PIPE HANGER IN ACCORDANCE WITH PARAGRAPH ABOVE. INCREASE HANGER SIZE PER MANUFACTURER'S RECOMMENDATION. B-LINE, SEMCO, SUPERSTRUT.  
D. HANGER ROD - ALL THREAD ROD WITH GALVANIZED FINISH. ANVIL, B-LINE, TOLCO, UNISTRUT.  
E. CONSTRUCTION CHANNEL - 12 GAUGE, 1-5/8"x1-5/8" GALVANIZED STEEL CHANNEL. SINGLE OR MULTIPLE SECTION. SELF-LOCKING NUTS AND FITTINGS. ANVIL, B-LINE B22, TOLCO A-12, UNISTRUT P1000.

8. PIPING INSULATION MATERIALS:  
ALL PIPING INSULATION MATERIALS SHALL HAVE FIRE AND SMOKE HAZARD RATINGS AS TESTED UNDER ASTM E84 AND UL 723 NOT EXCEEDING A FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50.  
A. PRE-MOLDED FIBERGLASS - HEAVY DENSITY SECTIONAL PRE-MOLDED FIBERGLASS WITH VAPOR BARRIER LAMINATED ALL SERVICE JACKET AND PRESSURE SEALING VAPOR BARRIER LAP. THERMAL CONDUCTIVITY SHALL NOT EXCEED 0.25 BTU-IN/HR-FT2-F AT A MEAN TEMPERATURE OF 75F. PERM RATING 0.02, ASTM E96. INSULATION SHALL BE 1-1/2" THICKNESS FOR PIPES 1-1/2" AND SMALLER, OTHERWISE 2" THICKNESS. PROVIDE 3" MINIMUM WIDE TAPE OF SAME MATERIAL AS LAP FOR BUTT JOINTS. JOHNS-MANVILLE, KNAUF, OWENS-CORNING.  
B. FIBERGLASS ADHESIVE - WATER BASED, SHALL MEET ASTM C916 TYPE II REQUIREMENTS. CHILDERS CHIL-QUIK CP-127, FOSTER 85-60, VIMASCO 795.  
C. ALUMINUM JACKETING - ALUMINUM PIPE AND FITTING JACKETING. 0.016" THICK FOR STRAIGHT PIPE, 0.024" THICK FOR FITTINGS. STUCCO-EMBOSSED FINISH. INTEGRAL MOISTURE BARRIER. PROVIDE PRE-FABRICATED ALUMINUM STRAPPING AND SEALS BY SAME MANUFACTURER. ITW PABCO/CHILDERS, RPR PRODUCTS.  
D. METAL JACKETING/FLASHING SEALANT - CHILDERS CHIL-BYL CP-76, FOSTER 95-44 ELASTOLAR, PITTSBURGH CORNING PITTSSEAL 727. GALLON CONTAINER QUANTITIES ONLY, NO TUBES.  
E. INSULATING TAPE - GROUND VIRGIN CORK AND SYNTHETIC ELASTOMERIC, 1/8" THICKNESS. BLACK, ODORLESS, AND NON-TOXIC. THERMAL CONDUCTIVITY SHALL NOT EXCEED 0.43 BTU-IN/HR-FT2-F AT A MEAN TEMPERATURE OF 75F. NON-SHRINKING. FOR OUTDOOR USE, PROVIDE PROTECTIVE FINISH BY SAME MANUFACTURER. SEALERS 1401.

F. MOLDED CLOSED CELL VINYL (PIPING INSULATION UNDER ADA ACCESSIBLE LAVATORIES AND SINKS) - FULLY MOLDED CLOSED CELL VINYL, 1/8" THICK, MINIMUM. THERMAL CONDUCTIVITY SHALL NOT EXCEED 1.17 BTU-IN/HR-FT2-F AT AN AVERAGE TEMPERATURE OF 73F. WEEP HOLE IN CLEANOUT NUT ENCLOSURE. HINGED CAP OVER VALVE TO ALLOW ACCESS FOR SERVICING. OUT OF SIGHT NYLON FASTENING SYSTEM AND INTERNAL RISER ON DRAIN INSULATION TO PROVIDE AIR GAP (LAV-GUARD ONLY). TRUEBRO LAV-GUARD, MCGUIRE PRO WRAP, PLUMBEREX.

9. FIXTURES:  
REFER TO PLUMBING SCHEDULE ON THE DRAWINGS FOR LIST OF FIXTURES AND TRIM. MANUFACTURER'S MODEL NUMBERS ARE LISTED TO COMPLETE DESCRIPTION. PROVIDE MODELS OF AMERICAN STANDARD, KOHLER, SLOAN, ZURN, JUST, CHICAGO, AND HAWS TO MATCH EXISTING / SCHOOL DISTRICT STANDARDS. ALL FIXTURES SHALL BE FURNISHED AND INSTALLED COMPLETE WITH TRIM, SEALS, CARRIERS, TRAPS, ETC. ALL TRIM, VALVES AND PIPING NOT CONCEALED IN WALL STRUCTURE, ABOVE CEILING OR BELOW FLOORS, SHALL BE BRASS WITH POLISHED CHROME PLATE FINISH, UNLESS NOTED OTHERWISE. ALL ENAMELED FIXTURES SHALL BE ACID RESISTING. STANDARD COLOR IS WHITE UNLESS OTHERWISE NOTED.  
A. STOPS AND P-TRAPS - ALL FIXTURES SHALL BE PROVIDED WITH STOPS AND P-TRAPS AS APPLICABLE. WALL MOUNTED FAUCETS, VALVES, ETC. SHALL HAVE INTEGRAL STOPS OR WALL MOUNTED STOPS.  
i. STOPS - ALL COLD AND HOT WATER SUPPLIES SHALL BE 1/2" IPS INLET ANGLE STOPS WITH STUFFING BOX, LOOSE KEY LOCK SHIELD, AND BRASS RISER (3/8" FOR 2.5 GPM AND LESS, OTHERWISE 1/2"). MCGUIRE, SPEEDWAY.  
ii. P-TRAPS - SEMI-CAST BRASS, GROUND JOINT. 17 GAGE. CLEANOUT PLUG. UNOBSTRUCTED WATERWAY. CALIFORNIA TUBULAR, DEARBORN, MCGUIRE.  
B. CAULKING - WHITE SILICONE SEALANT, MILDEW RESISTANT. DOW DOWSIL 786, GE SANITARY SCS1700, PECORA 898NST.

10. PIPING INSTALLATION:  
A. SANITARY SEWER PIPING - INSTALL AT 1/4" PER FOOT PITCH. PIPING 4" AND LARGER MAY BE INSTALLED AT 1/8" PER FOOT PITCH WHERE STRUCTURAL OR OTHER LIMITATIONS PREVENT INSTALLATION AT A GREATER PITCH. BELL AND SPIGOT PIPING SHALL BE INSTALLED WITH BARREL ON SAND BED, EXCAVATE HOLE FOR BELL.  
i. CLEANOUTS - INSTALL AT ENDS OF LINES, AT CHANGES OF DIRECTION GREATER THAN 45 DEGREES, AND NOT GREATER THAN 100 FOOT INTERVALS.  
B. WATER PIPING:  
i. CONNECTIONS TO BRANCHES AND RISERS SHALL BE MADE FROM TOP OF MAIN. MINIMUM PIPE SIZE SHALL BE 3/4". UNLESS OTHERWISE NOTED, ALL SUB UTBS, INCLUDING EXPOSED FIXTURE STOPS AND FLUSH VALVES SHALL BE INSTALLED WITH BRASS NIPPLES OR TYPE K COPPER FOR COPPER PIPING AND GALVANIZED NIPPLES FOR GALVANIZED PIPING. NIPPLES ARE TO EXTEND FROM OUTSIDE OF WALL TO FITTING AT HEADER OR DROP BEHIND FINISH WALL SURFACES. PIPE NIPPLE SHALL BE SAME SIZE AS STOP OR FLUSH VALVE. PROVIDE SHUTOFF FOR EACH BUILDING AND EACH CONNECTION TO EQUIPMENT.  
ii. WATER PIPING THAT RISES UP FROM BELOW GRADE TAPE. FEMALE PVC ADAPTERS SHALL NOT BE USED. JOINTS WRAPPED WITH 40 MILS OF PIPE WRAP TAPE. FEMALE PVC ADAPTERS SHALL NOT BE USED.  
C. PLASTIC PIPING:  
i. PLASTIC PIPE AND FITTINGS SHALL BE JOINED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. METAL TO PLASTIC TRANSITION FITTINGS SHALL BE INSTALLED AT ALL TRANSITIONS.  
ii. SECURE INSULATED TRACER WIRE TO PIPE WITH NYLON TIES AT MAXIMUM 10 FEET INTERVAL. ALL WIRE-TO-WIRE CONNECTIONS SHALL BE SOLDERED TO PROVIDE CONTINUITY AND TAPED TO PREVENT ENTRY OF MOISTURE. TRACER WIRES SHALL TERMINATE 6" ABOVE GROUND AT EACH END OF PIPING. TRACER WIRE IS IN ADDITION TO PREPRINTED METALLIC DETECTABLE WARNING TAPE.  
D. FERROUS PIPE AND FITTINGS BELOW GRADE (EXCEPT CAST IRON) SHALL BE PROTECTED WITH POLYETHYLENE TUBE OR HAVE A FACTORY APPLIED PROTECTIVE COATING OF EXTRUDED HIGH DENSITY POLYETHYLENE.  
E. UNIONS - INSTALL A UNION ON THE LEAVING SIDE OF EACH VALVE, AT EQUIPMENT CONNECTIONS, AND ELSEWHERE AS NECESSARY FOR ASSEMBLY OR DISASSEMBLY OF PIPING.  
F. VALVES - INSTALL FULL LINE SIZE VALVES.  
i. PROVIDE SHUTOFF VALVE AT EACH POINT OF CONNECTION TO EXISTING PIPING, FOR EACH BUILDING, AND AT EACH EQUIPMENT CONNECTION.  
ii. A UNION SHALL BE INSTALLED ON THE LEAVING SIDE OF EACH VALVE, AT ALL SIDES OF AUTOMATIC VALVES, AT EQUIPMENT CONNECTIONS, AND ELSEWHERE AS NECESSARY FOR ASSEMBLY OR DISASSEMBLY OF PIPING.  
iii. USE GATE VALVES FOR SHUTOFF SERVICE ONLY.  
iv. BALL VALVES SHALL NOT BE INSTALLED BELOW GRADE.  
G. PIPES PASSING THROUGH CONCRETE OR CONCRETE BLOCK WALL SHALL BE PROVIDED WITH PIPE SLEEVES. ALLOW 1" ANNULAR CLEARANCE BETWEEN SLEEVE AND PIPE FOR PIPING 3" AND SMALLER, OTHERWISE 2" ANNULAR CLEARANCE.

H. PROVIDE CHROME PLATED METAL ESCUTCHEONS TO CONCEAL OPENINGS WHERE PIPING PENETRATES WALLS, CEILINGS, OR FLOORS IN FINISHED AREAS.

11. PIPING INSULATION INSTALLATION:  
A. ALL DOMESTIC HOT WATER PIPING, FITTINGS AND ACCESSORIES SHALL BE INSULATED WITH 1-1/2" THICKNESS FOR PIPES 1-1/2" AND SMALLER, OTHERWISE 2" THICKNESS.  
B. FREEZE PROTECTION OF COLD WATER PIPING - ALL COLD WATER PIPING EXPOSED TO WEATHER OR OTHER AREAS SUBJECT TO FREEZING SHALL BE INSULATED WITH 1" THICKNESS. COVER WITH ALUMINUM JACKETING WHERE EXPOSED TO WEATHER. SHORT LENGTHS OF PIPE, LESS THAN 1 FOOT, AND VALVES MAY BE WRAPPED WITH INSULATING TAPE, 50% OVERLAP. COVER VALVES TO STEM. APPLY AT LEAST TWO COATS OF PROTECTIVE FINISH WHERE EXPOSED TO WEATHER.  
C. PIPING INSULATION UNDER ADA ACCESSIBLE LAVATORIES AND SINKS - COLD AND HOT WATER PIPING, COLD AND HOT WATER STOPS, AND DRAIN PIPING UNDER ADA ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED WITH 1/8" THICK CLOSED CELL VINYL. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.  
D. INSTALL JACKETING OVER INSULATION MATERIAL. COVER WITH PVC JACKETING WHERE EXPOSED TO VIEW, ALUMINUM JACKETING WHERE EXPOSED TO WEATHER.

12. FIXTURE INSTALLATION:  
A. FIXTURE HEIGHT - SHALL BE AS INDICATED ON ARCHITECTURAL PLANS.  
B. WALL HUNG FIXTURES - SHALL BE PROVIDED WITH PROPER BACKING AND HANGER PLATES SECURED TO WALL. FIXTURES MOUNTED ON CARRIERS SHALL BEAR AGAINST STOP NUTS, CLEAR OF WALL SURFACE. CAULK FIXTURES AGAINST WALLS WITH WHITE SILICONE SEALANT. GE SANITARY SCS1700 OR EQUAL. CAULKING SHALL BE SMOOTH AND FLUSH WITH FIXTURE SURFACE. NOT COULDED.  
C. INSTALL WALL FLANGES OR ESCUTCHEONS AT PIPING WALL PENETRATIONS IN EXPOSED, FINISHED LOCATIONS. USE DEEP PATTERN ESCUTCHEONS IF REQUIRED TO CONCEAL PROTRUDING FITTINGS.  
D. WHERE INSTALLING PIPING ADJACENT TO FIXTURES, ALLOW SPACE FOR SERVICE AND MAINTENANCE OF FIXTURES.

13. TESTS:  
PERFORM ALL TEST AS REQUIRED BY APPLICABLE CODES IN PRESENCE OF INSPECTOR.  
A. GRAVITY SYSTEMS:  
i. SANITARY SEWER - ALL ENDS OF THE SANITARY SEWER SYSTEM SHALL BE CAPPED AND LINES FILLED WITH WATER TO THE TOP OF THE HIGHEST VENT, 10 FEET ABOVE GRADE MINIMUM. THIS TEST SHALL BE MADE BEFORE ANY FIXTURES ARE INSTALLED. TEST SHALL BE MAINTAINED UNTIL ALL JOINTS HAVE BEEN INSPECTED, BUT NO LESS THAN 2 HOURS.  
B. PRESSURE SYSTEMS:  
i. DOMESTIC COLD AND HOT WATER PIPING - MAINTAIN 100 PSIG WATER PRESSURE FOR 4 HOURS.  
C. FIXTURES:  
i. PROVIDE TORQUE TESTING OF WATER CLOSET CARRIER ANCHOR BOLTS IN PRESENCE OF INSPECTOR. IF INSPECTOR IS NOT AVAILABLE, A TESTING AGENCY SHALL HANDLE THE INSPECTION.

14. DISINFECTION:  
DISINFECT ALL DOMESTIC WATER PIPING SYSTEMS IN ACCORDANCE WITH AWWA STANDARD C651 "AWWA STANDARD FOR DISINFECTING WATER MAINS", LATEST EDITION, AND IN ACCORDANCE WITH ADMINISTRATIVE AUTHORITY. DISINFECTION PROCESS SHALL BE PERFORMED IN COOPERATION WITH HEALTH DEPARTMENT HAVING JURISDICTION AND WITNESSED BY A REPRESENTATIVE OF THE ARCHITECT. AFTER DISINFECTION, WATER SAMPLES SHALL BE COLLECTED FOR BACTERIOLOGICAL ANALYSIS AND TESTED FOR BACTERIOLOGICAL PURITY. SAMPLE COLD WATER AND HOT WATER WHERE APPLICABLE. CERTIFICATE OF BACTERIOLOGICAL PURITY SHALL BE OBTAINED AND DELIVERED TO THE OWNER THROUGH THE ARCHITECT.

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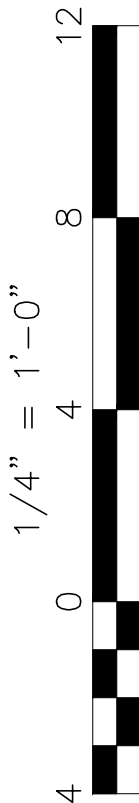
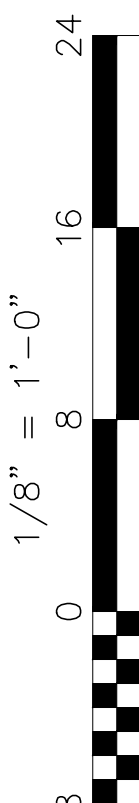
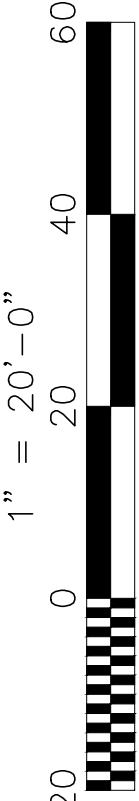
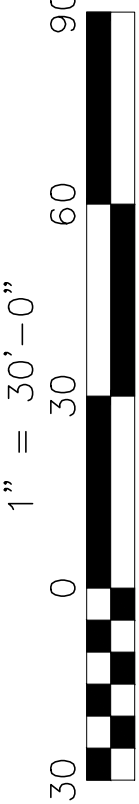
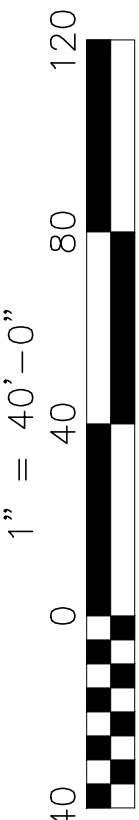
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FIRE PROTECTION SPECIFICATIONS

1. ALL GENERAL MECHANICAL SPECIFICATIONS APPLY TO THIS SECTION. REFER TO SHEET P0.21

2. LAYOUT:  
PIPING SHALL BE BELOW GRADE UNLESS OTHERWISE NOTED. PIPING SHALL BE INSTALLED TO ENSURE UNRESTRICTED FLOW, ELIMINATE AIR POCKETS, PREVENT UNUSUAL NOISE AND PERMIT COMPLETE DRAINAGE OF THE SYSTEM. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. COORDINATE WITH OTHER TRADES.

3. PIPING MATERIAL: PIPES AND FITTINGS MUST BE UL LISTED FOR FIRE PROTECTION SERVICE.  
A. OUTSIDE BUILDING, BELOW GRADE  
i. 4" TO 8" - POLYVINYL CHLORIDE (PVC) PIPE, AWWA C900, DR 18 PRESSURE CLASS 235 PSI, UL 1285 LISTED FOR FIRE PROTECTION SERVICE. CAST OR DUCTILE IRON FITTINGS, AWWA C110 OR C153, PRESSURE CLASS 250, WITH GASKET JOINTS. JM EAGLE, WESTLAKE PIPE.  
ii. 4" TO 8" - DUCTILE IRON PIPE, AWWA C115 OR C151, PRESSURE CLASS 250. CEMENT MORTAR LINING CONFORMING TO AWWA C104. DUCTILE IRON FITTINGS, AWWA C110 OR C153, SAME PRESSURE CLASS AS PIPE. GASKETS IN ACCORDANCE WITH AWWA C111. US PIPE.  
B. TRANSITION FITTINGS - MANUFACTURED FITTING OR COUPLING SAME SIZE AS, WITH PRESSURE RATING AT LEAST EQUAL TO AND ENDS COMPATIBLE WITH, PIPING TO BE JOINED.  
C. RESTRAINTS AND THRUST BLOCKS - SHALL COMPLY WITH NFPA 24.

4. VALVES  
A. GATE VALVE, 2-1/2" AND LARGER, BELOW GRADE - IRON BODY, BRONZE MOUNTED, NON-RISING STEM, RESILIENT WEDGE TYPE. FUSION BONDED EPOXY COATED INTERIOR AND EXTERIOR. UL 262 LISTED FOR FIRE PROTECTION SERVICE. UNDERGROUND VALVES SHALL HAVE SQUARE OPERATING NUT OR INDICATOR POST FLANGE. PROVIDE OPERATING "T" HANDLES FOR UNDERGROUND VALVES. MUELLER A-2361.  
B. CHECK VALVE, 2-1/2" AND LARGER, ABOVE GRADE - IRON BODY, BRONZE MOUNTED SWING CHECK. UL 312 LISTED FOR FIRE PROTECTION SERVICE. POTTER ROEMER 4510 SERIES.  
C. VALVE BOX - PRECAST REINFORCED CONCRETE. CAST IRON LID MARKED WITH "FIRE" LETTERING. H20 TRAFFIC RATED BOX AND LID. CHRISTY G05T. PROVIDE MINIMUM 6" DIAMETER PIPE EXTENDED FROM TOP OF VALVE TO 6" OF TOP OF VALVE BOX.  
D. "T" HANDLES FOR UNDERGROUND VALVES - PROVIDE A MINIMUM OF TWO OPERATING "T" HANDLES FOR UNDERGROUND VALVES. THE LENGTHS OF THE HANDLES ARE DEPENDENT UPON THE DEPTH OF THE VALVES AND THE ABILITY OF THE HANDLES TO FULLY OPEN AND/OR CLOSE THE VALVES. AT LEAST ONE "T" HANDLE SHALL BE ON SITE AT THE BEGINNING OF THE INSTALLATION FOR EMERGENCIES, AND THE CONSTRUCTION MANAGER SHALL HAVE ACCESS TO THESE "T" HANDLES AND VALVES.

5. BACKFLOW PREVENTERS  
A. DOUBLE CHECK DETECTOR FIRE PROTECTION BACKFLOW PREVENTION ASSEMBLY - LEAD FREE ASSEMBLY CONSISTS OF A MAINLINE VALVE BODY WITH A BY-PASS CONSISTS OF A GPM WATER METER IN SERIES WITH A CHECK ASSEMBLY. MAXIMUM 5 PSI PRESSURE LOSS, THROUGH MIDDLE 1/3 OF FLOW RANGE. OS&Y GATE VALVES WITH FLANGED ENDS ON INLET AND OUTLET. UL LISTED. ASSE 1048 LISTED. FEBCO LF856-OSY-GPM.  
B. BACKFLOW PREVENTER TEST KITS - FACTORY CALIBRATED, WITH GAGES, FITTINGS, HOSES, AND CARRYING CASE WITH TEST PROCEDURE INSTRUCTIONS.
6. FIRE HYDRANT  
A. FIRE HYDRANT SHALL BE IN ACCORDANCE WITH LOCAL FIRE AUTHORITY.  
B. FREESTANDING POST TYPE WITH MINIMUM ONE 2-1/2" HOSE CONNECTION NOZZLES AND ONE 4" PUMPER CONNECTION NOZZLE. UL LISTED.  
C. WET BARREL FIRE HYDRANTS - AWWA C503, UL LISTED. CLOW VALVE 850, JONES 4048.  
D. PAVEMENT MARKER - RAISED ROAD REFLECTOR, BLUE, BI-DIRECTIONAL. STIMSONITE 88AB.

7. MISCELLANEOUS PIPING ITEMS  
A. CONCRETE THRUST BLOCKS - SHALL BE CONSTRUCTED AT ALL VALVES, TEES, ELBOWS, BENDS, CROSSES, REDUCERS AND DEAD ENDS IN LOOSE-JOINT PIPE. BLOCKS SHALL CURE A MINIMUM OF 7 DAYS BEFORE PRESSURE IS APPLIED. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH AFTER 28 DAYS OF 3,000 PSI MINIMUM.

8. PIPING INSTALLATION  
A. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 24 "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES".  
B. INSTALL UNDERGROUND, FIRE SUPPRESSION WATER PIPING BURIED AT LEAST 36 INCHES BELOW FINISHED GRADE, MINIMUM.  
C. INSTALL UNDERGROUND PIPING WITH RESTRAINED JOINTS AT HORIZONTAL AND VERTICAL CHANGES IN DIRECTION. USE RESTRAINED JOINT PIPING, THRUST BLOCKS, ANCHORS, TIE-RODS AND CLAMPS, AND OTHER SUPPORTS.  
D. PVC PIPING: USE JOINING MATERIALS ACCORDING TO AWWA C900.  
i. FIRE SUPPRESSION WATER PIPING THAT RISES UP FROM BELOW GRADE SHALL BE DUCTILE IRON PIPE, WRAPPED WITH TWO LAYERS DOUBLE WRAP OF 10 MIL POLYVINYL TAPE TO TOTAL THICKNESS OF 40 MILS. PIPE WRAP SHALL BE EXTENDED TO 6" ABOVE SURROUNDING GRADE. FEMALE PVC ADAPTERS SHALL NOT BE USED.  
ii. SECURE INSULATED TRACER WIRE TO PIPE WITH NYLON TIES AT MAXIMUM 10 FEET INTERVAL. ALL WIRE-TO-WIRE CONNECTIONS SHALL BE SOLDERED TO PROVIDE CONTINUITY AND TAPED TO PREVENT ENTRY OF MOISTURE. TRACER WIRES SHALL TERMINATE 6" ABOVE GROUND AT EACH END OF PIPING. TRACER WIRE IS IN ADDITION TO PREPRINTED METALLIC DETECTABLE WARNING TAPE.  
E. FERROUS PIPE AND FITTINGS BELOW GRADE SHALL BE PROTECTED WITH POLYETHYLENE TUBE.  
F. ALL PIPE IN CONTACT WITH CONCRETE SHALL BE PROTECTED WITH POLYETHYLENE TUBE.  
G. BURY A CONTINUOUS, PREPRINTED, COLOR CODED, METALLIC DETECTABLE WARNING TAPE CAPABLE OF BEING LOCATED WITH A METAL DETECTOR WITH EACH UNDERGROUND PIPE. LOCATE DIRECTLY OVER BURIED PIPE, 6" TO 8" BELOW FINISHED GRADE.  
H. VALVES - INSTALL FULL LINE SIZE VALVES. INSTALL EACH UNDERGROUND VALVE WITH STEM POINT UP AND WITH VALVE BOX OR VERTICAL CAST IRON INDICATION POST.  
J. INSTALL A SEPARATE GATE VALVE WITH ROADWAY VALVE BOX IN SUPPLY PIPE TO EACH FIRE HYDRANT, ANCHOR WITH RESTRAINED JOINTS OR THRUST BLOCKS, AND SUPPORT IN UPRIGHT POSITION. THE VALVE SHALL BE WITHIN 20 FEET OF HYDRANT PER NFPA STANDARDS.  
K. PIPES PASSING THROUGH CONCRETE OR BELOW BUILDING FOUNDATION FOOTING SHALL BE PROVIDED WITH PIPE SLEEVES. ALLOW 2" ANNULAR CLEARANCE BETWEEN SLEEVE AND PIPE.  
L. WATER MAIN CONNECTION - ARRANGE WITH WATER UTILITY COMPANY FOR TAP OF SIZE AND IN LOCATION INDICATED IN WATER MAIN.
9. BACKFLOW PREVENTER INSTALLATION  
A. INSTALL BACKFLOW PREVENTERS OF TYPE, SIZE, AND CAPACITY INDICATED. INCLUDE VALVES AND TEST COCKS. INSTALL ACCORDING TO REQUIREMENTS OF NFPA AND AUTHORITIES HAVING JURISDICTION.  
B. INSTALL TAMPER PROOF SUPERVISORY SWITCH AND CONDUIT WITH WIRES AND CONNECT TO FIRE ALARM PANEL.  
C. INSTALL CHAIN WITH LOCK. KEYS TO OWNER AND FIRE DEPARTMENT.  
D. PAINT BACKFLOW PREVENTION ASSEMBLY - PAINT WITH ONE COAT OF PRIMER AND TWO COATS OF OSHA SAFETY RED ENAMEL.

10. FIRE HYDRANT INSTALLATION  
A. INSTALL EACH FIRE HYDRANT WITH A SEPARATE GATE VALVE AND ROADWAY VALVE BOX. INSTALLATION OF HYDRANTS AND ANY REQUIRED PROTECTIVE DEVICES FOR THE HYDRANTS SHALL CONFORM TO THE NFPA STANDARDS.  
B. WET BARREL FIRE HYDRANT - INSTALL WITH VALVE BELOW THE FROST LINE. PROVIDE FOR DRAINAGE. BREAKAWAY FLANGE SHALL BE MINIMUM OF 2", BUT NO MORE THAN 4", ABOVE CONCRETE PAD OR SIDEWALK.  
C. FIRE HYDRANT MARKER LOCATIONS - INSTALL ROAD REFLECTORS PER CITY/COUNTY STANDARDS.  
D. PAINT FIRE HYDRANTS - FOR PRIVATE SYSTEM, PAINT WITH ONE COAT OF PRIMER AND TWO COATS OF OSHA SAFETY RED ENAMEL.

11. TESTS AND ADJUSTMENTS:  
UNLESS OTHERWISE DIRECTED, TESTS SHALL BE WITNESSED BY A REPRESENTATIVE OF THE ARCHITECT AND AN INSPECTOR OF THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL NOTIFY FIRE AUTHORITY AT LEAST 48 HOURS PRIOR TO TESTING. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM MUST BE TESTED IN THE PRESENCE OF THE ENFORCING AGENCY. WORK TO BE CONCEALED SHALL NOT BE ENCLOSED UNTIL PRESCRIBED TESTS ARE MADE. SHOULD ANY WORK BE ENCLOSED BEFORE SUCH TESTS, THE CONTRACTOR SHALL, AT HIS EXPENSE, UNCOVER, TEST, AND REPAIR ALL WORK TO ORIGINAL CONDITIONS. LEAKS AND DEFECTS SHOWN BY TESTS SHALL BE REPAIRED AND ENTIRE WORK RETESTED. TEST ALL SYSTEMS IN ACCORDANCE WITH FIRE AUTHORITY REQUIREMENTS AND NFPA 24.  
A. FIRE SERVICE MAIN PIPING, FLUSHING - ALL PORTIONS OF UNDERGROUND PIPING, FROM THE WATER SUPPLY TO THE SYSTEM RISER, AND LEAD-IN CONNECTIONS TO THE SYSTEM RISER, INCLUDING ALL HYDRANTS, SHALL BE COMPLETELY FLUSHED BEFORE THE CONNECTION IS MADE TO DOWNSTREAM FIRE PROTECTION SYSTEM PIPING IN ACCORDANCE WITH NFPA STANDARDS. THE FLUSHING OPERATION SHALL CONTINUE UNTIL WATER FLOW IS VERIFIED TO BE CLEAR OF DEBRIS.  
B. FIRE SERVICE MAIN PIPING, HYDROSTATIC TEST - ALL PORTIONS OF FIRE SERVICE MAIN WATER PIPING SYSTEM, IN SECTIONS OR IN ENTIRETY, SHALL MAINTAIN THE GREATER OF 200 PSIG OR 50 PSIG IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE FOR 4 HOURS. THERE SHALL BE NO DROP IN PRESSURE DURING TEST EXCEPT THAT DUE TO AMBIENT TEMPERATURE CHANGES.  
C. BACKFLOW PREVENTER - ALL BACKFLOW PREVENTERS SHALL BE TESTED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND THE "USC CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH MANUAL," LATEST EDITION. TESTING SHALL BE PERFORMED BY AN AWWA CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTER. CONTRACTOR SHALL CERTIFY IN WRITING TO THE ARCHITECT THE DATE WHICH BACKFLOW PREVENTERS WERE TESTED AND BY WHOM TEST WAS WITNESSED.
- D. CONTROL VALVES - EACH VALVE SHALL BE FULLY OPENED AND CLOSED UNDER SYSTEM WATER PRESSURE.  
E. FIRE HYDRANT - EACH HYDRANT SHALL BE FULLY OPENED AND CLOSED UNDER SYSTEM WATER PRESSURE.

12. CERTIFICATION:  
AT COMPLETION OF THE PROJECT, A "CONTRACTOR'S MATERIAL AND TEST CERTIFICATE", INDICATING INSTALLATION AND TESTING IN ACCORDANCE WITH REFERENCED STANDARDS, SHALL BE COMPLETED. COPIES SHALL BE PREPARED BY INSTALLING CONTRACTOR FOR THE APPROVING AUTHORITIES, OWNER, AND GENERAL CONTRACTOR. DELIVER CERTIFICATES TO THE OWNER THROUGH THE ARCHITECT.

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Owner:



**BAKERSFIELD  
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DISTRICT**  
1300 BAKER ST.  
BAKERSFIELD, CA 93305

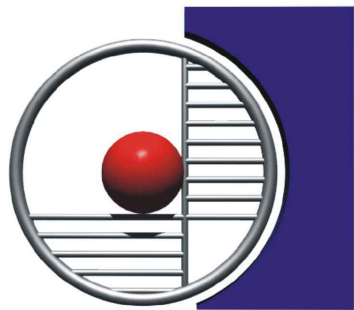
Project Name:

**20X40 OFFICE  
PORTABLE BLDG**

Project Address:

**CHIPMAN JR. HIGH  
SCHOOL**

2905 Eissler St.  
Bakersfield, CA 93306



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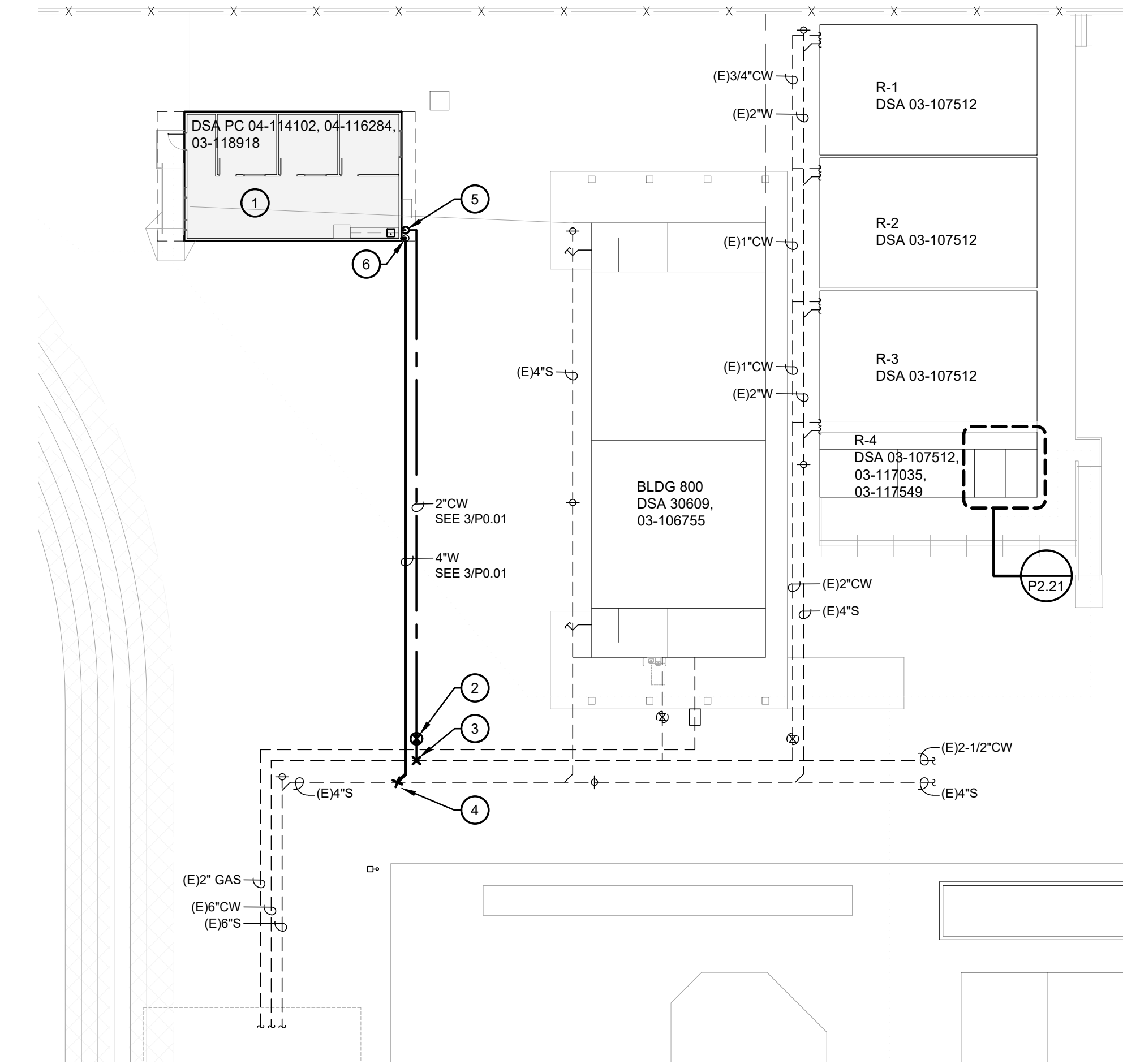
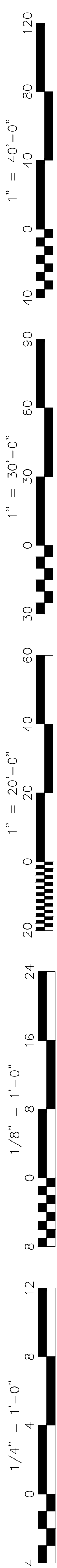
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P1.21

PLUMBING SITE PLAN

SCALE: 1" = 20'

#

KEY NOTES

1.

RELOCATED EXISTING OFFICE PORTABLE BUILDING. CONNECT NEW SITE WATER AND SEWER PIPING TO BUILDING. PROVIDE BUILDING SHUTOFF VALVE IN WATER PIPING. PROVIDE CLEANOUT TO GRADE IN SEWER LINE. FIELD VERIFY ALL POC'S TO BUILDING BEFORE COMMENCING WORK, INCLUDING LOCATION AND SIZE OF CONNECTIONS.

2.

NEW SHUTOFF VALVE (SOV) IN CONCRETE BOX, TYP. SEE 1/P0.01

3.

POC NEW 2" CW TO EXISTING 2-1/2" WATER MAIN BELOW GRADE WITH SOV IN BOX PER 1/P0.01. FIELD VERIFY SIZE AND LOCATION. SAWCUT AND PATCH TO MATCH EXISTING.

4.

POC NEW 4"W TO EXISTING 4" SEWER MAIN BELOW GRADE. FIELD VERIFY SERVICE, SIZE, AND LOCATION. SAWCUT AND PATCH TO MATCH EXISTING.

5.

CONNECT (N) 3/4" CW TO PORTABLE BUILDING WITH SHUTOFF VALVE IN RISER. FIELD VERIFY SIZE AND LOCATION. PROVIDE FREEZE PROTECTION.

6.

CONNECT (N) 2"W TO PORTABLE BUILDING WITH PIPE CLEANOUT AT TOP OF RISER. FIELD VERIFY SIZE AND LOCATION. PROVIDE FREEZE PROTECTION.

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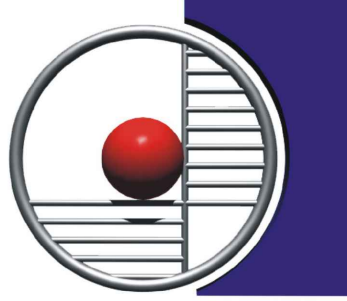
20X40 OFFICE PORTABLE BLDG

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LEGEND

SYMBOL	DESCRIPTION	ABBR
	SOIL OR WASTE	S. W.
	DOMESTIC COLD WATER	CW
	NATURAL GAS	G
	CONDENSATE DRAIN	CD
	DRAIN	D
	CLEANOUT TO GRADE	COTG
	GATE OR SHUTOFF VALVE	GV OR SOV
	ELBOW UP	
	ELBOW DOWN	
	REDUCER	RED
	HOSE BIBB	HB
	ABOVE FINISH FLOOR	AFF
	CAP	
	EXISTING	(E)
	(E) TO BE REMOVED	DEMO
	NEW	(N)
	POINT OF CONNECTION	POC
	TYPICAL	TYP

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PLUMBING SITE PLAN

Job No.:

5625

Sheet No.:

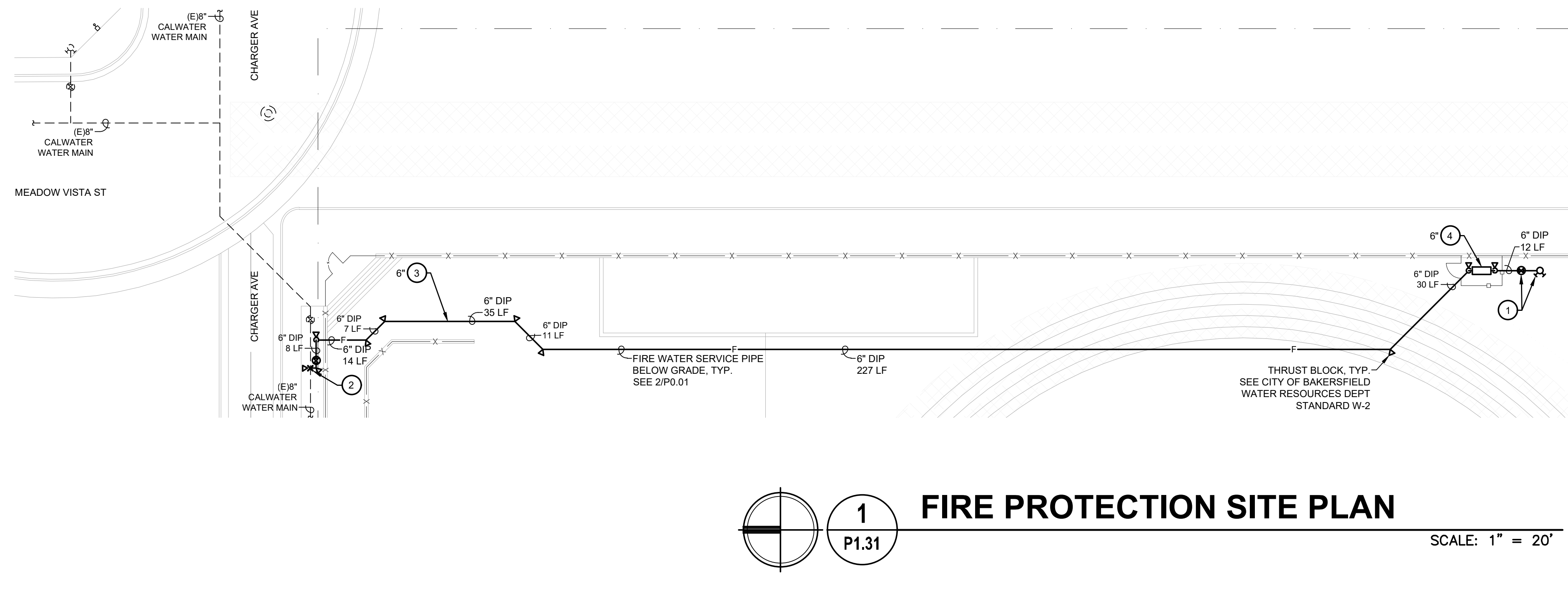
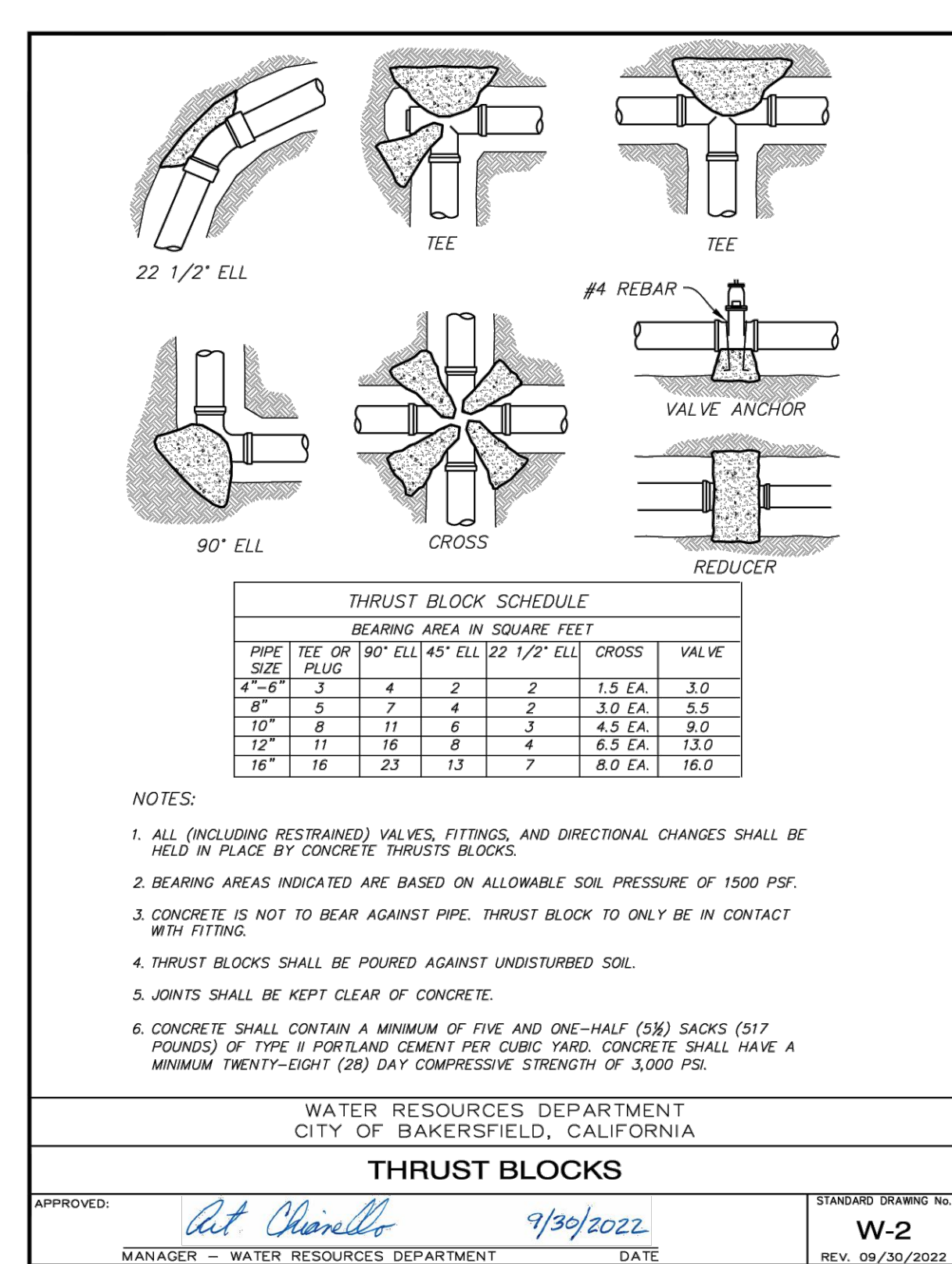
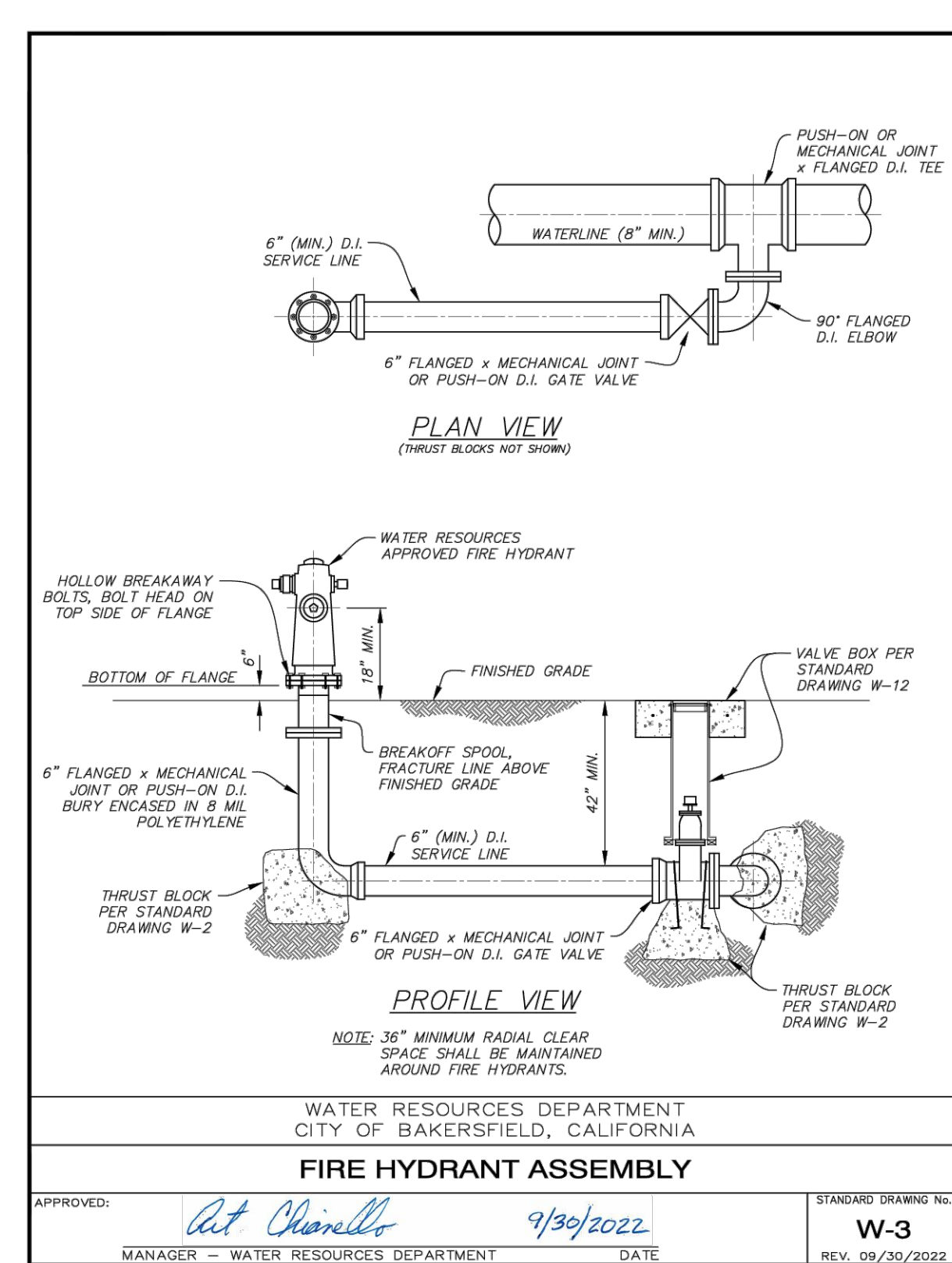
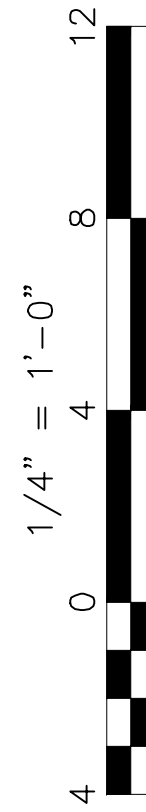
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
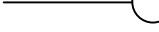





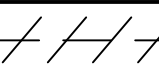

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# KEY NOTES

1. NEW FIRE HYDRANT AND SHUTOFF VALVE PER CITY OF BAKERSFIELD WATER RESOURCES DEPT STANDARD W-3.
2. POC NEW FIRE WATER SERVICE LINE. CONTRACTOR SHALL SECURE PERMIT AND PAY FOR ALL CHARGES AND FEES INCURRED BY CALWATER FOR THEIR INSTALLATION OF NEW WATER LINE FOR FIRE SERVICE. ALL WORK UPSTREAM OF PROPERTY LINE SHALL BE INSTALLED BY CALWATER. REFER TO CALWATER DRAWING NO. CW762 R3
3. NEW DUCTILE IRON PIPE (DIP) UPSTREAM OF BACKFLOW PREVENTION DEVICE PER CALWATER STANDARDS
4. NEW DOUBLE CHECK DETECTOR ASSEMBLY, FEBCO LF856 INLINE.

LEGEND		
SYMBOL	DESCRIPTION	ABBR
	FIRE WATER	F
	GATE VALVE	GV
	FIRE HYDRANT	FH
	ELBOW UP	
	ELBOW DOWN	
	CAP	
	FIRE DEPT CONNECTION	FDC
	POST INDICATOR VALVE	PIV
	THRUST BLOCK	TB
	EXISTING	(E)
	(E) TO BE REMOVED	DEMO
	POINT OF CONNECTION	POC
	EXISTING	EXIST

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Project Address: <b>CHIPMAN JR. HIGH SCHOOL</b> 2905 Eissler St. Bakersfield, CA 93306	



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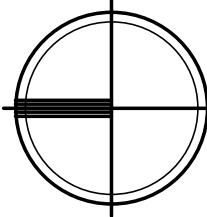
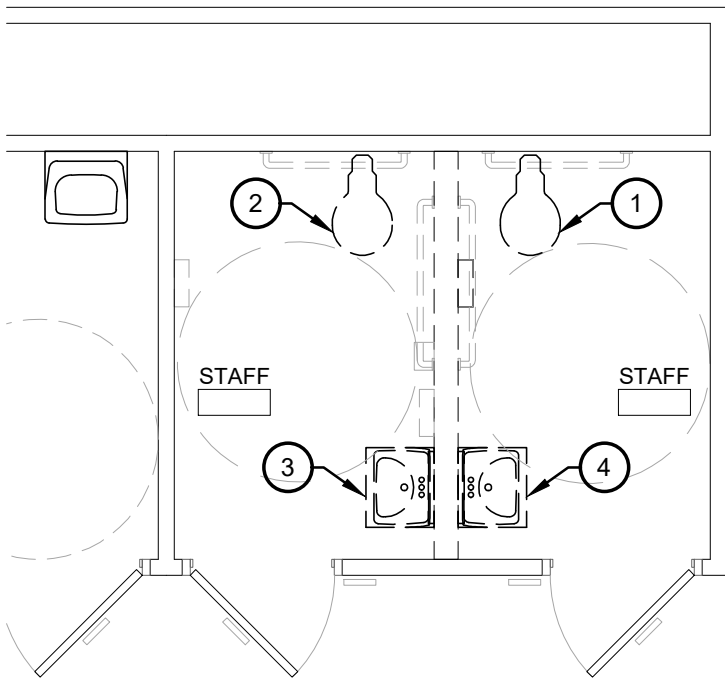
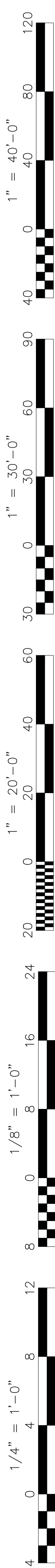
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<p>Job No.:</p>	<p><b>5625</b></p>
<p>Sheet No.:</p>	<p><b>P1.31</b></p>

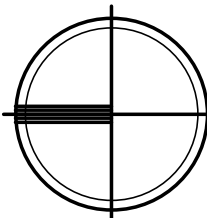
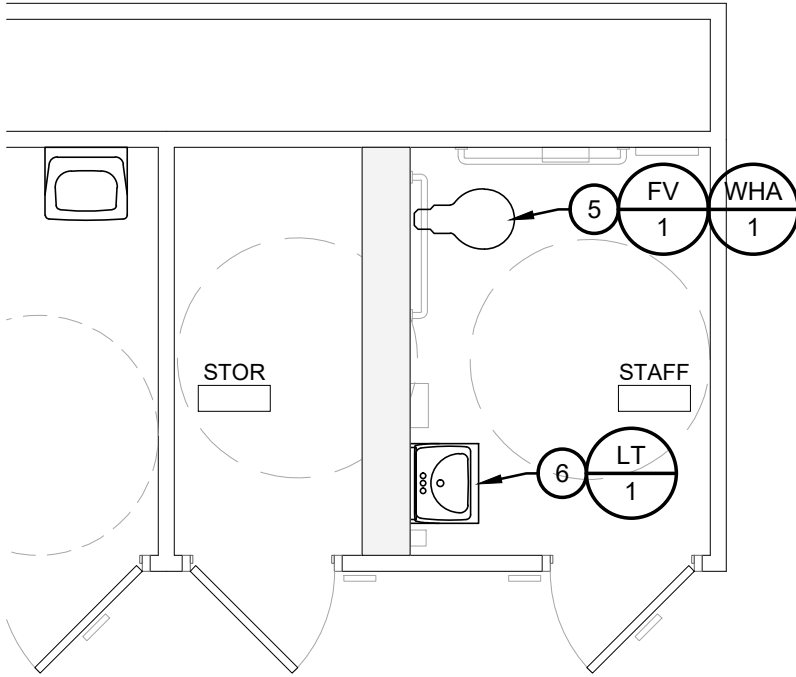




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P2.21

PLUMBING PLAN - DEMO  
RESTROOM BUILDING

SCALE: 1/4" = 1'



2  
P2.21

PLUMBING PLAN - IMPROVEMENTS  
RESTROOM BUILDING

SCALE: 1/4" = 1'

- # KEY NOTES
1. SALVAGE EXISTING WALL MOUNT WATER CLOSET AND FLUSH VALVE, SCRUB CLEAN, AND DELIVER TO SCHOOL PERSONNEL. REMOVE EXISTING SUPPORT CARRIER. CAP PIPING BEHIND FINISH SURFACES. PATCH AND PAINT OPENINGS TO MATCH EXISTING.
  2. REMOVE EXISTING WALL MOUNT WATER CLOSET AND SEAT, SCRUB CLEAN FOR RE-INSTALLATION. REMOVE EXISTING SUPPORT CARRIER. SALVAGE EXISTING FLUSH VALVE AND DELIVER TO SCHOOL PERSONNEL. PREPARE EXISTING PLUMBING UTILITIES FOR RE-CONNECTION AND EXTENSION TO WATER CLOSET AT NEW LOCATION. SEE IMPROVEMENT PLANS. PATCH AND PAINT OPENINGS TO MATCH EXISTING.
  3. SALVAGE EXISTING WALL MOUNT LAVATORY AND FAUCET, SCRUB CLEAN, AND DELIVER TO SCHOOL PERSONNEL. CAP PIPING BEHIND FINISH SURFACES. PATCH AND PAINT OPENINGS TO MATCH EXISTING.
  4. REMOVE EXISTING WALL MOUNT LAVATORY, SCRUB CLEAN FOR RE-INSTALLATION. SALVAGE EXISTING FAUCET AND DELIVER TO SCHOOL PERSONNEL. PREPARE EXISTING PLUMBING UTILITIES FOR RE-CONNECTION AND EXTENSION TO LAVATORY AT NEW LOCATION. SEE IMPROVEMENT PLANS. PATCH AND PAINT OPENINGS TO MATCH EXISTING.
  5. SALVAGED WALL MOUNT WATER CLOSET AND OPEN FRONT SEAT AT NEW LOCATION WITH NEW FLUSH VALVE. EXTEND PIPING AND RE-CONNECT EXISTING PLUMBING UTILITIES TO ADA WATER CLOSET: 1-1/2"CW, 4"S, 2"V. PROVIDE NEW JR SMITH SERIES 410 OR 210 FIXTURE SUPPORT CARRIER. MOUNT WATER CLOSET WITH CARRIER BOLTED SECURELY TO FLOOR. SEE ARCH PLANS FOR ADA MOUNTING HEIGHT.
  6. SALVAGED LAV AT NEW LOCATION WITH NEW FAUCET. EXTEND PIPING AND RE-CONNECT EXISTING PLUMBING UTILITIES TO ADA LAV: 3/4"CW & HW, 2"W, 1-1/2"V. PROVIDE NEW P-TRAP, TRAP ARM, WATER STOP AND SUPPLY, TRUEBRO LAV GUARD FOR DRAIN, COLD AND HOT WATER PIPING. PROVIDE JR SMITH 723 CONCEALED ARMS AND STEEL SUPPORT PLATE PER 6/P0.01 FOR FIXTURE MOUNTING. SEE ARCH PLANS FOR ADA MOUNTING HEIGHT.

LEGEND		
SYMBOL	DESCRIPTION	ABBR
	SOIL OR WASTE	S. W.
	VENT	V
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	NATURAL GAS	G
	CONDENSATE DRAIN	CD
	DRAIN	D
	FLOOR CLEANOUT	FCO
	WALL CLEANOUT	WCO
	VENT THROUGH ROOF	VTR
	GATE OR SHUTOFF VALVE	GV OR SOV
	UNION	
	ELBOW UP	
	ELBOW DOWN	
	REDUCER	RED
	HOSE BIBB	HB
	ABOVE FINISH FLOOR	AFF
	CAP	
	EXISTING	(E)
	(E) TO BE REMOVED	DEMO
	NEW	(N)
	POINT OF CONNECTION	POC
	TYPICAL	TYP

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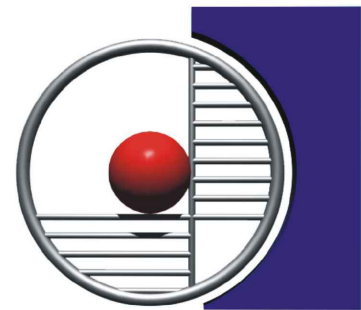
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PORTABLE BLDG**

Project Address:

**CHIPMAN JR. HIGH  
SCHOOL**

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Bakersfield, CA 93306



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**PLUMBING  
PLAN -  
RESTROOM  
BLDG**

Job No.:

**5625**

Sheet No.:

**P2.21**

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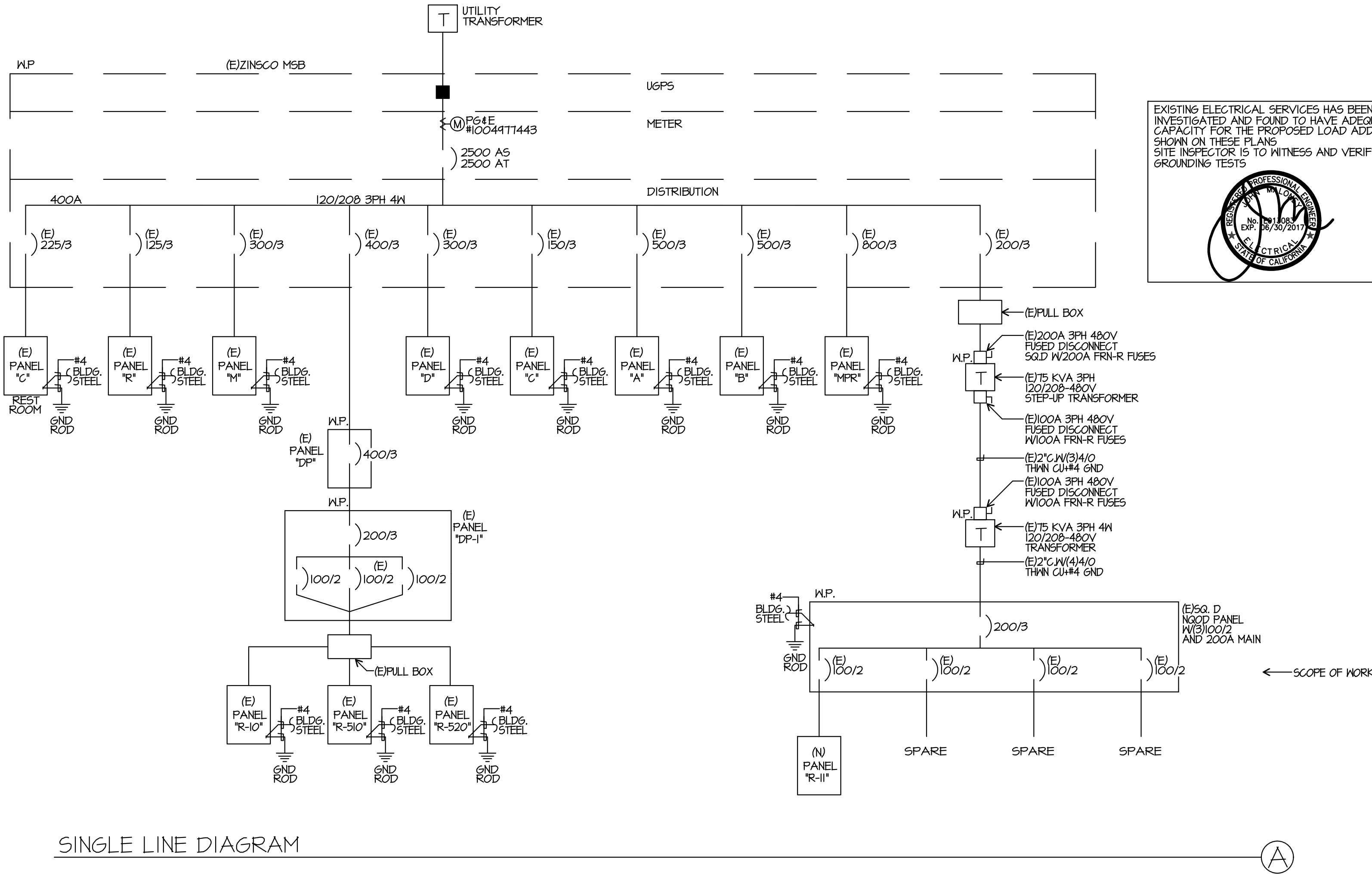


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1/4" = 1'-0"  
1/8" = 1'-0"  
1" = 20'-0"  
1" = 30'-0"  
1" = 40'-0"

FIRE ALARM SEQUENCE OF OPERATION													
INPUT & OUTPUT MATRIX		SYSTEM INPUTS											
		SYSTEM OUTPUTS											
Control Unit Annunciation	ACTUATE COMMON ALARM SIGNAL INDICATOR (RED LED)	•	•										
	ACTUATE AUDIBLE ALARM SIGNAL (PIEZO BUZZER)	•	•										
	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR (AMBER LED)												
	ACTUATE AUDIBLE SUPERVISORY SIGNAL (PIEZO BUZZER)												
	ACTUATE COMMON TROUBLE SIGNAL INDICATOR (AMBER LED)			•	•	•	•	•	•				
Notification	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL (PIEZO BUZZER)			•	•	•	•	•	•				
	ACTUATE EVACUATION SIGNAL THROUGHOUT THE BUILDING SPEAKERS & SPEAKERSTROBES	•	•										
	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	•	•										
	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION												
	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION			•	•	•	•	•	•				
Supplementary													

FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISORY STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATIONS SHALL BE LISTED AS EITHER UUF (CENTRAL STATION) OR UUS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011.

FIRE ALARM SCOPE OF WORK  
THIS IS AN ADDITION TO A FULLY AUTOMATIC, ADDRESSABLE FIRE ALARM SYSTEM



SINGLE LINE DIAGRAM

FIRE LIFE SAFETY NOTES

- 1 CBC 3401.12 - BUILDING AND PARTS OF THEREOF SHALL BE MAINTAINED IN A SAFE AND SANITARY CONDITION. DEVICES OR SAFEGUARDS WHICH ARE REQUIRED BY THIS CODE SHALL BE MAINTAINED IN CONFORMANCE WITH THE CODE EDITION UNDER WHICH INSTALLED. THE OWNER OR THE OWNERS DESIGNATED AGENT SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF BUILDING.
- 2 CFC 503.1; TITLE 19 DIVISION 1 3.05 MAINTAIN FIRE ACCESS ROUTE(S). PUBLIC STREET ACCESS - PROVIDE SIGN(S) NO PARKING FIRE LANE WITH CALIFORNIA VEHICLE CODE 22500.1 AND DETAIL. (OR INCLUDE NOTE - EXISTING NO PARKING FIRE LANE SIGN TO BE FIELD VERIFIED BY IOR)
- 3 CFC 503.1 - MAINTAIN / PROVIDE KEY BOXES FOR FIRE DEPARTMENT ACCESS, AS APPROPRIATE.
- 4 CFC 701.2 - WHERE ANY COMPONENTS IN THIS CHAPTER ARE NOT MAINTAINED AND DO NOT FUNCTION AS INTENDED OR DO NOT HAVE THE FIRE RESISTANCE REQUIRED BY THE CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED, REMODELED OR ALTERED, SUCH COMPONENT(S) OR PORTIONS THEREOF SHALL BE DEEMED AN UNSAFE CONDITION. IN ACCORDANCE WITH SECTION 110.1.1. COMPONENTS OR PORTIONS THEREOF DETERMINED TO BE UNSAFE SHALL BE REPAIRED OR REPLACED TO CONFORM TO THAT CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED, REMODELED, ALTERED OR THIS CHAPTER, AS DEEMED APPROPRIATE BY THE FIRE CODE OFFICIAL.
- 5 CFC 703.1 AND TITLE 19 DIVISION 1 1.14 - THEREQUIRED FIRE-RESISTANCE RATING OF FIRE- RESISTANCE CONSTRUCTION (INCLUDING WALLS, FIRESTOPS, SHAFT ENCLOSURES, PARTITIONS, SMOKE-BARRIERS, FLOORS, FIRE-RESISTIVE COATINGS AND SPRAYED FIRE-RESISTANT MATERIALS APPLIED TO STRUCTURAL MEMBERS AND FIRE-RESISTANT JOINTS SYSTEMS) SHALL BE MAINTAINED. SUCH ELEMENTS SHALL BE VISUALLY INSPECTED BY THE OWNER AND PROPERLY REPAIRED, RESTORED OR REPLACED WHEN DAMAGED, ALTERED, BREACHED OR PENETRATED. OPENINGS THROUGH FIRE- RESISTANCE-RATED ASSEMBLIES SHALL BE PROTECTED BY SELF- OR AUTOMATIC-CLOSING DOORS OF APPROVED CONSTRUCTION MEETING THE FIRE PROTECTION REQUIREMENTS FOR THE ASSEMBLY.
- 6 CFC 703.2 - OPENING PROTECTIVE SHALL BE MAINTAINED IN AN OPERATIVE CONDITION IN ACCORDANCE WITH NFPA 80. FIRE DOORS AND SMOKE BARRIER DOORS SHALL NOT BE BLOCKED OR OBSTRUCTED OR OTHERWISE BE MADE INOPERABLE. FUSIBLE LINKS SHALL BE REPLACED PROMPTLY WHENEVER FUSED OR DAMAGED. FIRE ASSEMBLIES SHALL NOT BE MODIFIED.
- 7 CFC 901.4; 907.8.5 AND TITLE 19 DIVISION 1 1.14 - INSTALLATION FIRE PROTECTION SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH ORIGINAL INSTALLATION STANDARDS FOR THAT SYSTEM. REQUIRED SYSTEMS SHALL BE EXTENDED, ALTERED OR AUGMENTED AS NECESSARY TO MAINTAIN AND CONTINUE PROTECTION WHENEVER THE BUILDING IS ALTERED, REMODELED OR ADDED TO. ALTERATIONS TO FIRE PROTECTION SYSTEM SHALL BE DONE IN ACCORDANCE WITH APPLICABLE STANDARDS.
- 8 TITLE 19 DIVISION 1 1.14 §EVERY FIRE ALARM SYSTEM OR DEVICE, SPRINKLER SYSTEM, FIRE EXTINGUISHER, FIRE HOSE, FIRE-RESISTIVE ASSEMBLY OR ANY OTHER FIRE SAFETY ASSEMBLY, DEVICE MATERIAL OR EQUIPMENT INSTALLED AND RETAINED IN SERVICE IN ANY BUILDING OR STRUCTURE SUBJECT TO CALIFORNIA CODE OF REGULATIONS, TITLE 19 DIVISION 1 REGULATIONS SHALL BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS TITLE 19 DIVISION 1 REGULATIONS AND WITH THEIR INTENDED USE.
- 9 TITLE 19 DIVISION 1 3.24 §UPON DISRUPTION OF DIMINISHMENT OF THE FIRE PROTECTIVE QUALITIES OF SUCH EQUIPMENT, MATERIAL OR SYSTEMS IMMEDIATE ACTION SHALL BE INSTITUTED TO EFFECT A REESTABLISHMENT OF SUCH EQUIPMENT MATERIAL OR SYSTEMS TO THEIR ORIGINAL NORMAL OPERATIONAL CONDITION.
- 10 CFC 901.5.1 - IT SHALL BE UNLAWFUL TO OCCUPY ANY PORTION OF A BUILDING OR STRUCTURE UNTIL THE REQUIRED FIRE DETECTION, ALARM SYSTEM HAS BEEN TESTED AND APPROVED.
- 11 CFC 901.5.1 - IT SHALL BE UNLAWFUL TO OCCUPY ANY PORTION OF A BUILDING OR STRUCTURE UNTIL THE REQUIRED FIRE DETECTION, ALARM SYSTEM HAS BEEN TESTED AND APPROVED.
- 12 FIRE ALARM SCOPE REQUIRES DSA APPROVED DRAWINGS FOR REFERENCE OF AREAS IN SCOPE INCLUDE COMPLIANT FIRE ALARM COMPONENTS (SMOKE-HEAT-AUDIBLE-VISUAL-MANUAL), (STATEMENT OF COMPLIANCE PER CFC 901.2.1; 901.8.2.1 & TITLE 19 DIVISION 1 904.16) 904.2(c) RECORD AS-BUILT DRAWINGS AND TEST REPORTS.) ROOMS / AREAS IN SCOPE TO INCLUDE EXISTING FIRE ALARM COMPONENTS.
- 13 CFC 1030.1 - THE MEANS OF EGRESS FOR BUILDING OR PORTIONS THEREOF SHALL BE MAINTAINED IN ACCORDANCE WITH THIS SECTION.
- 14 CFC 1030.4 - EXIT SIGNS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 1011.
- 15 CFC CHAPTER 11, PROVISIONS APPLICABLE TO EXISTING BUILDING.
- 16 CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION APPLICABLE PROVISIONS TO BE REPLICATED VERBATIM - SAMPLE SECTIONS - 3304 PRECAUTIONS AGAINST FIRE; 3304.2 WASTE DISPOSAL; 3304.5 FIRE WATCH; 3304.6 CUTTING AND WELDING; 3305 FLAMMABLE AND COMBUSTIBLE LIQUIDS; 3308 OWNERS RESPONSIBILITY; 3310 ACCESS FOR FIREFIGHTING; 3311 MEANS OF EGRESS; 3315 FIRE EXTINGUISHERS.

ELECTRICAL GENERAL NOTES

1. ALL WIRING SHALL BE IN ACCORDANCE WITH THE 2022 EDITION OF THE CALIFORNIA ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS AND APPLICABLE STATE CODES.
2. INITIATION DEVICE CIRCUITS ARE RATED POWER LIMITED. MINIMUM RECOMMENDED WIRE SIZE IS LISTED.
3. CONTROL CIRCUITS ARE NON POWER LIMITED. MINIMUM RECOMMENDED WIRE SIZE TO BE DETERMINED BY CIRCUIT LOAD.
4. ALL INSTALLATION MATERIAL SUCH AS CONDUIT FITTING, BOXES, AND HANGERS, ETC. SUPPLIED BY CONTRACTOR.
5. FOR ADDRESSABLE SYSTEM, IDENTIFYING NUMBERS ADJACENT TO DETECTOR SYMBOL DENOTES DEVICE ADDRESS, DETECTOR 1203 WOULD IDENTIFY DEVICE ADDRESS (03) LOOP 12.
6. T-TAPPING OR PARALLEL BRANCHING OF ADDRESSABLE INITIATION DEVICE CIRCUITS IS PERMITTED ON CLASS B CIRCUITS ONLY.
7. WHERE SHIELDED CABLE IS USED, THE SHIELD SHALL BE CONTINUOUS AND GROUNDED ONLY AT THE RESPECTIVE CONTROL PANEL.
8. ALL WIRE RUNS ARE SHOWN DIAGRAMMICALLY. EXACT LOCATION OF ALL EQUIPMENT TO BE DETERMINED IN THE FIELD.
9. REFER TO RESPECTIVE CATALOG CUT SHEETS FOR ELECTRICAL MOUNTING HARDWARE.
10. PHOTOELECTRIC DETECTORS SHALL NOT BE IN DIRECT AIR STREAM SUPPLY AIRE OUTLETS.
11. ADA STROBES TO BE MOUNTED 80" FROM BOTTOM OF LIGHT DETAIL SOURCE A.F.F. OR 6" BELOW CEILING WHICH EVER IS LOWER.
12. ELECTRICAL CONTRACTOR IS REQUIRED TO USE: COLOR CODE, WIRE NUMBERS, OR AS SPECIFIED IN THE PROJECT SPECIFICATIONS ON ALL CIRCUITS AND SHALL BE CONTINUOUS, OTHERWISE, NO FINAL CONNECTIONS OR TESTING SHALL BE PERFORMED. IF WIRE COLOR CODING IS USED, GREEN WILL BE USED FOR GROUND BONDING ONLY.
13. ALL WIRING, INITIATING DEVICES AND ANNUNCIATOR PANEL SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION.
14. WIRING SHALL NOT BE LOOPED THROUGH DEVICES; WIRING MUST BE CUT FOR IN & OUT.
15. POINT AND COMMON ANNUNCIATION AND T-TAPPING PROHIBITED.
16. AUDIBILITY OF ALARM SHALL BE NOT LESS THEN 15db ABOVE AMBIENT SOUND THROUGHOUT AREA OF ALARM AND SHALL NOT EXCEED 110 dba.
17. ALL DEVICES IN THE ALARM SYSTEM SHALL BE COMPATIBLE & INSTALLED TO MANUFACTURES SPECIFICATIONS.
18. NEW FIRE ALARM EQUIPMENT CABINET SHALL BE MOUNTED NO HIGHER THAN 66" TO TOP OF CABINET FROM FINISH FLOOR.
19. AUTHORIZED STOCKING DISTRIBUTOR SHALL HAVE NICET LEVEL 2 CERTIFICATION, MINIMUM AND SHALL BE LOCATED WITH-IN 60 MILES OF PROJECT.
20. ALL CIRCUIT BREAKERS FOR FIRE ALARM DEVICES SHALL BE DEDICATED, RED IN COLOR "LOCK ON" TYPE AND THEIR LOCATION IDENTIFIED AT FIRE ALARM CONTROL UNIT. PERMANENTLY LABEL AS "FIRE ALARM CIRCUIT".
21. IN THE EVENT THAT THE EXISTING FIRE ALARM SYSTEM IS OUT OF SERVICE FOR MORE THAN FOUR HOURS, LANCASTER S.D. SHALL BE NOTIFIED AND AN APPROVED FIRE WATCH SHALL BE PROVIDED FOR THE CAMPUS.
22. ALL FIRE ALARM CONDUCTORS SHALL BE ROUTED IN CONDUIT. RGSC SHALL BE USED FOR EXPOSED INSTALLATIONS BELOW 10FT.
23. ALL CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMAN-LIKE MANNER. CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.

FIRE WATCH, FIRE MARSHAL REQUIREMENTS:

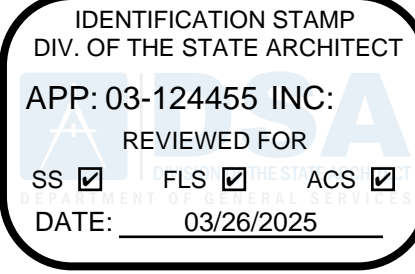
REQUIREMENTS FOR DISABLING THE FIRE ALARM SYSTEM;

1. AS REQUIRED BY THE 2022 CALIFORNIA FIRE CODE, STANDBY PERSONNEL OR SYSTEMS TEMPORARILY "OUT OF SERVICE". THE LOCAL FIRE MARSHAL IS AUTHORIZED TO REQUIRE THE CONTRACTOR TO PROVIDE STANDBY PERSONNEL AS SET FORTH IN THESE SECTIONS, UNTIL THE SYSTEM IS RESTORED TO OPERATION.
2. SUCH INDIVIDUAL SHALL BE SUBJECT TO THE LOCAL FIRE MARSHAL'S ORDER AT ALL TIMES WHEN SO EMPLOYED AND SHALL REMAIN ON DUTY DURING THE TIME SUCH PLACES ARE OPEN TO THE PUBLIC OR WHEN SUCH PUBLIC ACTIVITY IS BEING CONDUCTED. FIRE WATCH PERSONNEL SHALL BE PROVIDED WITH AT LEAST ONE APPROVED MEANS FOR NOTIFICATION OF THE FIRE DEPARTMENT.
3. SUCH INDIVIDUALS SHALL KEEP A DILIGENT WATCH FOR FIRES AND BE ABLE TO TAKE PROMPT AND APPROPRIATE ACTION IN THE EVENT OF A FIRE. SUCH INDIVIDUALS SHALL NOT BE REQUIRED OR PERMITTED, WHILE ON DUTY, TO PERFORM ANY OTHER DUTIES THAN THESE HEREIN SPECIFIED.

APPLICABLE CODE REQUIREMENTS

PERFORMANCE OF THE WORK OF THIS CONTRACT SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE GOVERNING CODES AND ORDINANCES INCLUDING THE FOLLOWING:

- |          |  |
|----------|--|
| 2022     | BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.   |
| 2022     | CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R. (2020 IBC, VOLUMES 1-3 WITH CALIFORNIA AMENDMENTS)                     |
| 2022     | CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2020 N.E.C. WITH CALIFORNIA AMENDMENTS)                             |
| 2022     | CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R (2020 U.M.C. WITH CALIFORNIA AMENDMENTS)                              |
| 2022     | CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2020 U.P.C. WITH CALIFORNIA AMENDMENTS)                               |
| 2022     | CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.  |
| 2019     | CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2012 I.F.C. WITH CALIFORNIA AMENDMENTS)                                   |
| 2019     | CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. |
| NFPA 13  | AUTOMATIC SPRINKLER SYSTEM -----2022 EDITION   |
| NFPA 14  | STANDPIPE SYSTEM -----2019 EDITION   |
| NFPA 17A | WET CHEMICAL SYSTEM -----2021 EDITION  |
| NFPA 24  | PRIVATE SERVICE MAINS -----2019 EDITION  |
| NFPA 72  | NATIONAL FIRE ALARM CODE -----2022 EDITION (NOTE SEE UL STANDARDS 1971 FOR ("VISUAL DEVICES"))                           |



BAKERSFIELD CITY SCHOOL DISTRICT

1300 BAKER ST.  
BAKERSFIELD, CA 93305

Project Name:

20X40 BUILDING

Project Address:

CHIPMAN JR. HIGH SCHOOL  
2905 EISSLER ST.  
BAKERSFIELD, CA 93306



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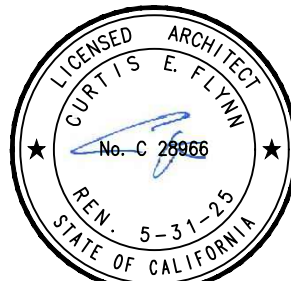
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GENERAL NOTES,  
SYMBOLS &  
DETAILS

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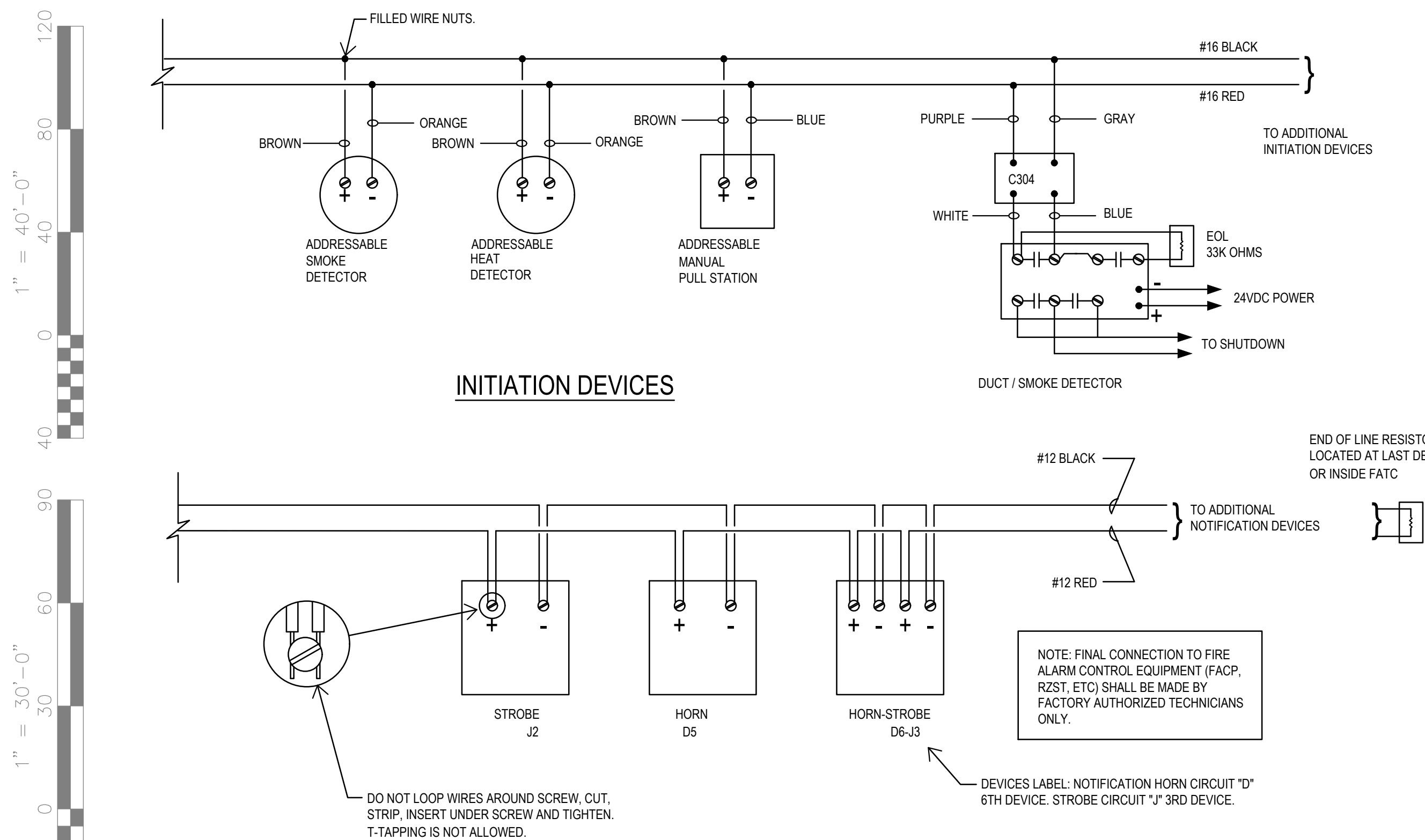
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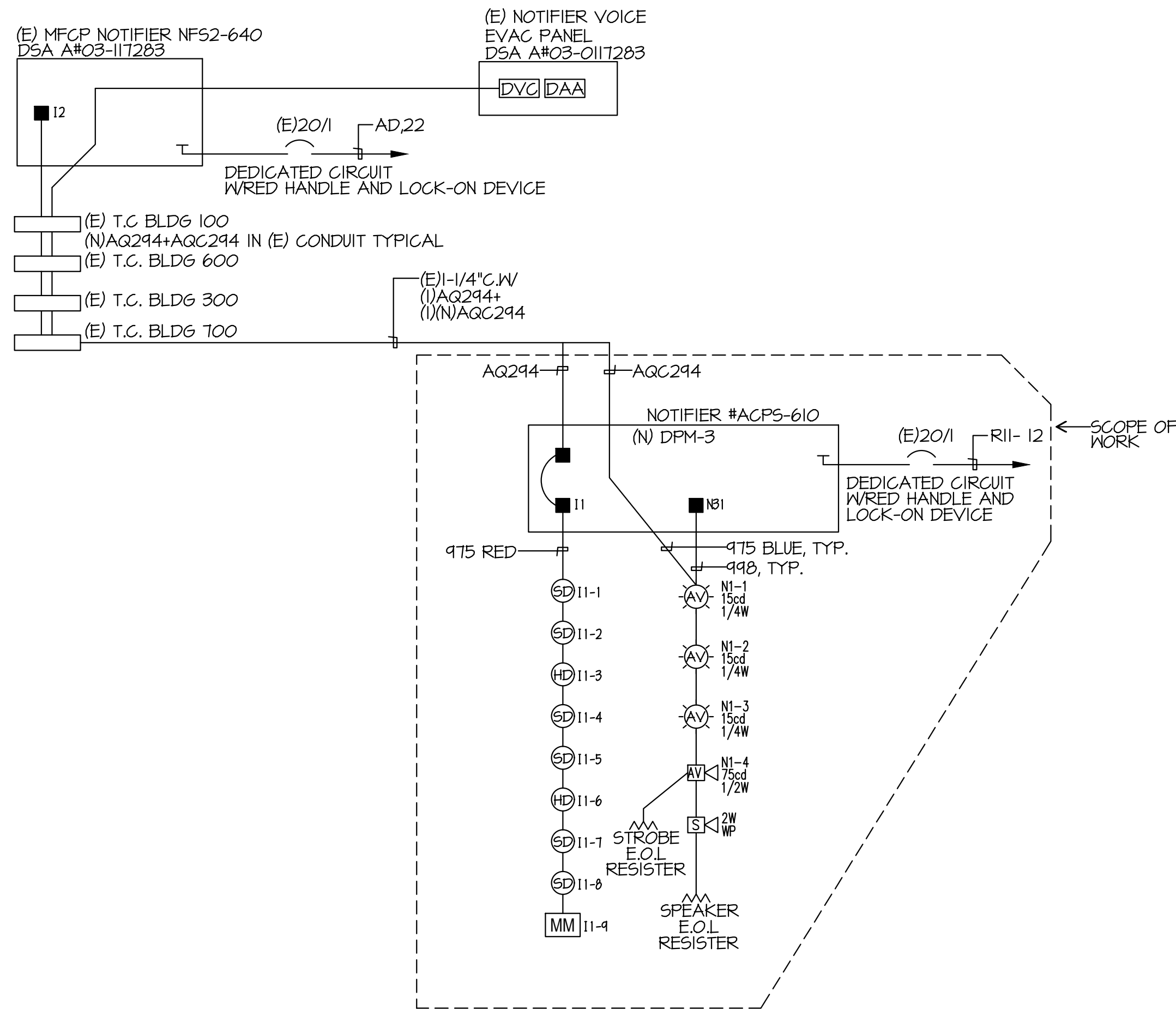




## NOTIFICATION DEVICES


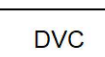
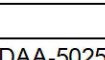
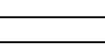


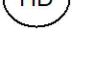



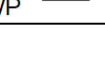
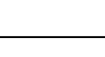




## FIRE ALARM DEVICES TYPICAL WIRING DIAGRAM

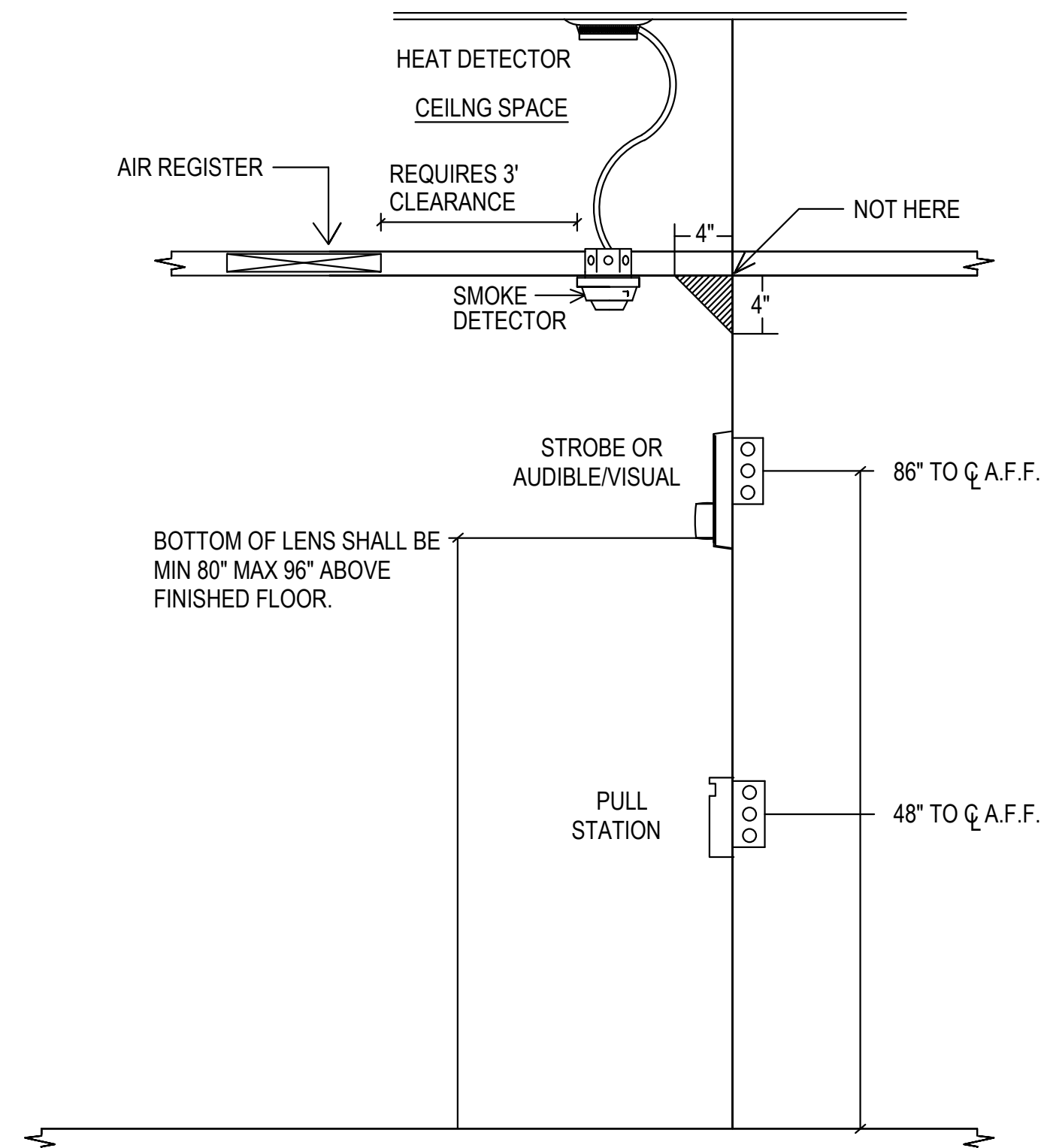
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# FIRE ALARM RISER DIAGRAM

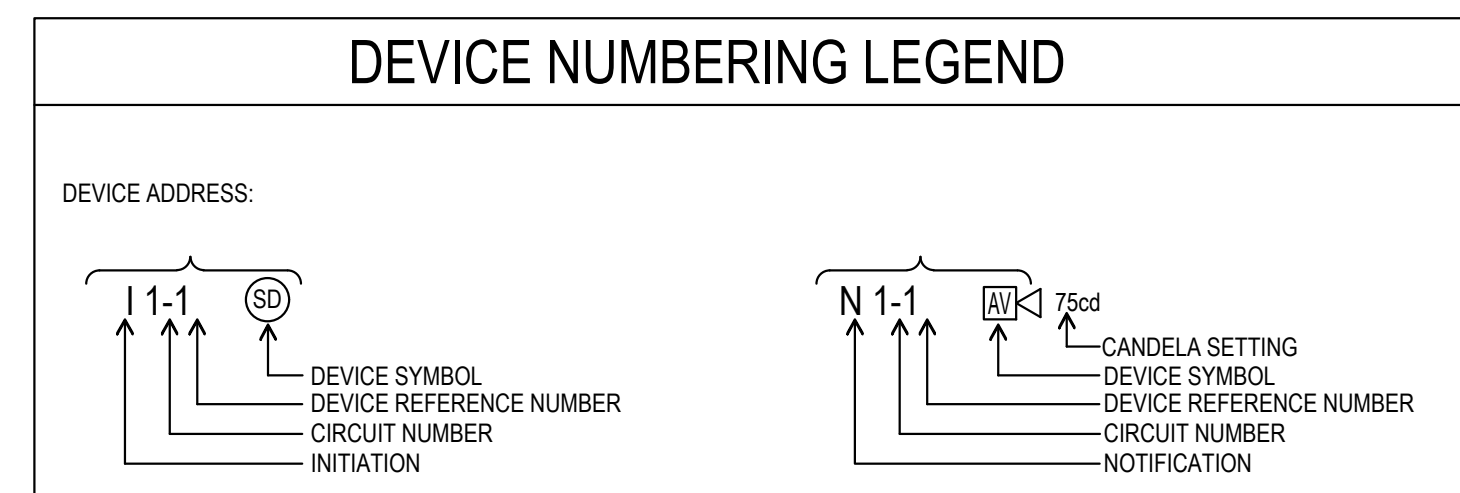
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FIRE ALARM SYMBOL LIST MATRIX					
	SYMBOL	DEVICE	MFR & CAT#	REMARKS	CSFM LISTING
(E)		MAIN FIRE ALARM PANEL	NOTIFIER NFS2-320	SURFACE MOUNT W/ SOFTWARE UPDATE	7165-0028:0243
(E)		DIGITAL VOICE COMMAND	NOTIFIER DVC EM	SURFACE MOUNT	7165-0028:0224
(E)		DIGITAL AUDIO AMPLIFIER	NOTIFIER DAA-5025	PART OF DVC	7165-0028:0224
(E)		FIRE ALARM COMMUNICATOR	NOTIFIER 411UDACT	PART OF NFS2-640	7300-0075:0174
(N)		SMOKE DETECTOR	NOTIFIER FSP-951	PROVIDE BASE B210 LP(A) ON 4" SQ. DEEP BOX	7272-0028:0206
(N)		HEAT DETECTOR (IN ATTIC SPACE)	NOTIFIER FST-951A	PROVIDE BASE B210 LP(A) ON 4" SQ. DEEP BOX	7270-0028:0196
(E)		ADDRESSABLE MANUAL PULL STATION	NOTIFIER NBG-12X	PROVIDE 4" SQ. DEEP BOX	7150-0028:0199
(N)		SPEAKER STROBE	NOTIFIER SPSR(A)	PROVIDE DEEP SQ. J-BOX	7320-1653:0201
(N)		EXTERIOR SPEAKER	SYSTEM SENSOR SPRK	PROVIDE MWBB BACKBOX	7320-1653:0201
		FPLR CABLE	WESTPENN 975	18/2 BARE, CU, SHIELDED	7161-0859:0101
		FPLR CABLE	WESTPENN 998	12/2 SOLID, CU, UNSHIELDED	7161-0859:0101
		FPLR CABLE	WESTPENN AQ294	16/2 STRANDED, CU, SHIELDED W/ AQUASEAL	7161-0859:0101
		FPLR CABLE	WESTPENN AQC294	16/2 STRANDED, CU, SHIELDED W/ AQUASEAL	7161-0859:0101
(N)		STROBE	SENSOR SWITCH SCRS	PROVIDE DEEP SQ. J-BOX	7320-1653:0201
		MONITOR MODULE	NOTIFIER FMM-1	PROVIDE DEEP SQ. J-BOX	7300-0028:0219
		DPM	NOTIFIER ACP5-610	PROVIDE DEEP SQ. J-BOX	7315-0028:0248



## FIRE ALARM MOUNTING DETAIL

SCALE: NONE



(N) FIRE ALARM BATTERY CALCULATION DPM-3						
NOTIFIER EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
NOTIFIER ACTPS-610	0	1	0.3	0.3	0.3	0.3
DIGITAL COMMUNICATOR	0	0	0.02	0.02	0.02	0.02
SMOKE DETECTOR	0	6	0.0003	0.0018	0.0003	0.0018
HEAT DETECTOR	0	2	0.0003	0.0018	0.0003	0.0006
SPEAKERS	0	1	0	0	0.062	0.062
AUDIBLE/VISUALS 75cd	0	1	0	0	0.176	0.176
AUDIBLE/VISUALS 15cd	0	3	0	0	0.062	0.186
SUB TOTAL AMPERES			0.3236 AMPS		0.9136 AMPS	
			x 24 HOURS		x 0.084 HOURS	
SUB TOTAL AMPERE-HOURS			7.7664	A.H.	0.076742	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE					7.843142	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR						x 1.25
TOTAL MINIMUM AMPERE HOURS REQUIRED					9.411771	A.H.
BATTERY AH SUPPLIED					18.00	A.H.

VOLTAGE DROP CALCULATIONS						
CIRCUIT	2x	LENGTH x	AMPS x	RESISTANCE	= VOLTS	VOLTAGE DROP
N1	2	310	0.59	0.00205	0.750	3.13 %

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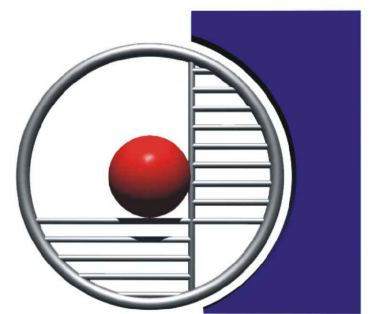
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# FIRE ALARM RISER & CALCULATIONS

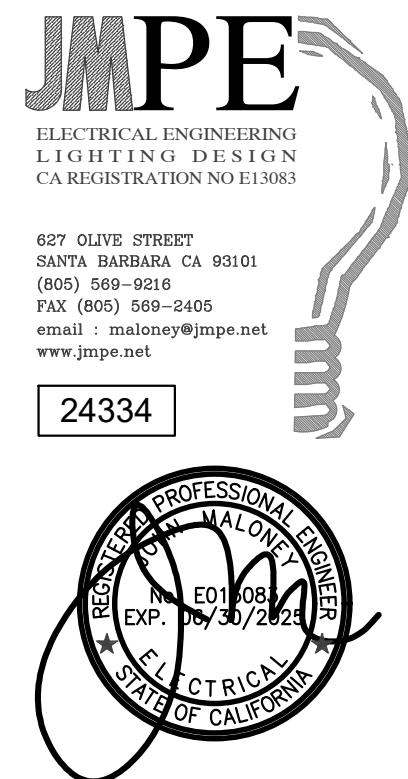
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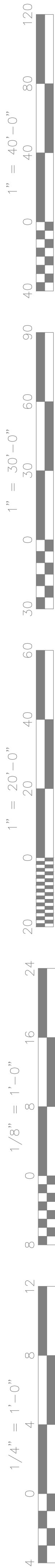
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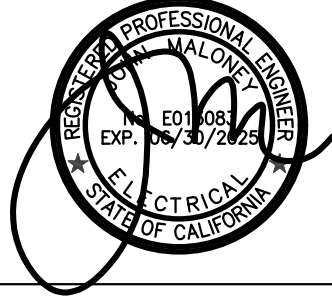
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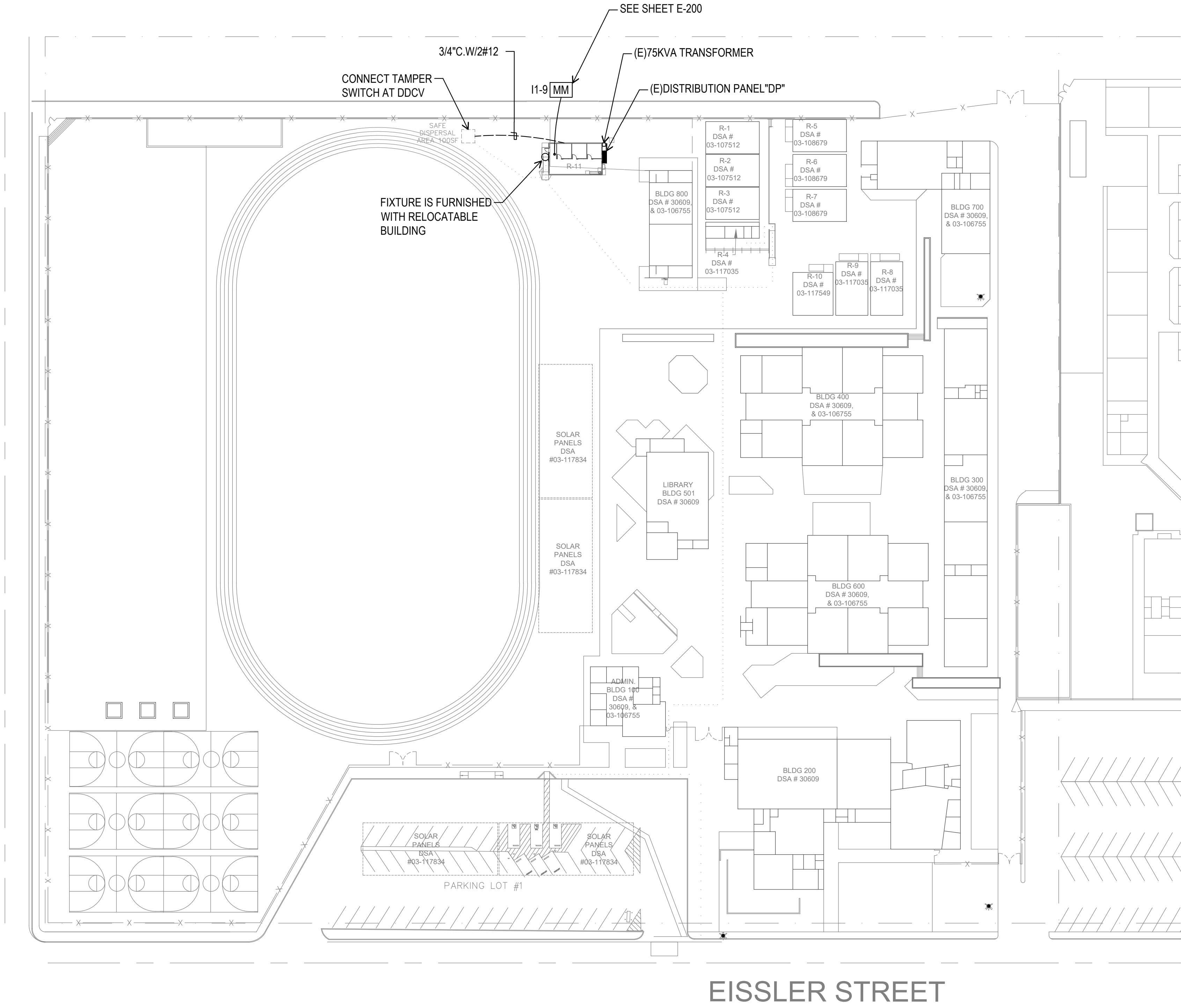




EXISTING ELECTRICAL SERVICES HAS BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION SHOWN ON THESE PLANS. SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TESTS.



CHARGER AVENUE



EISSLER STREET



ELECTRICAL SITE PLAN

SCALE: 1" = 50'-0"

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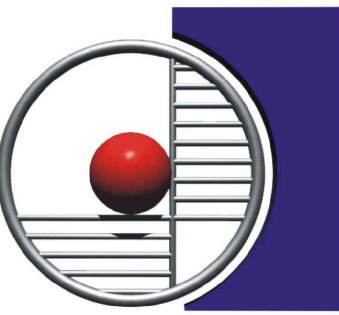
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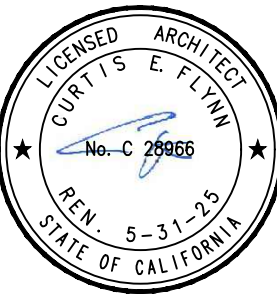
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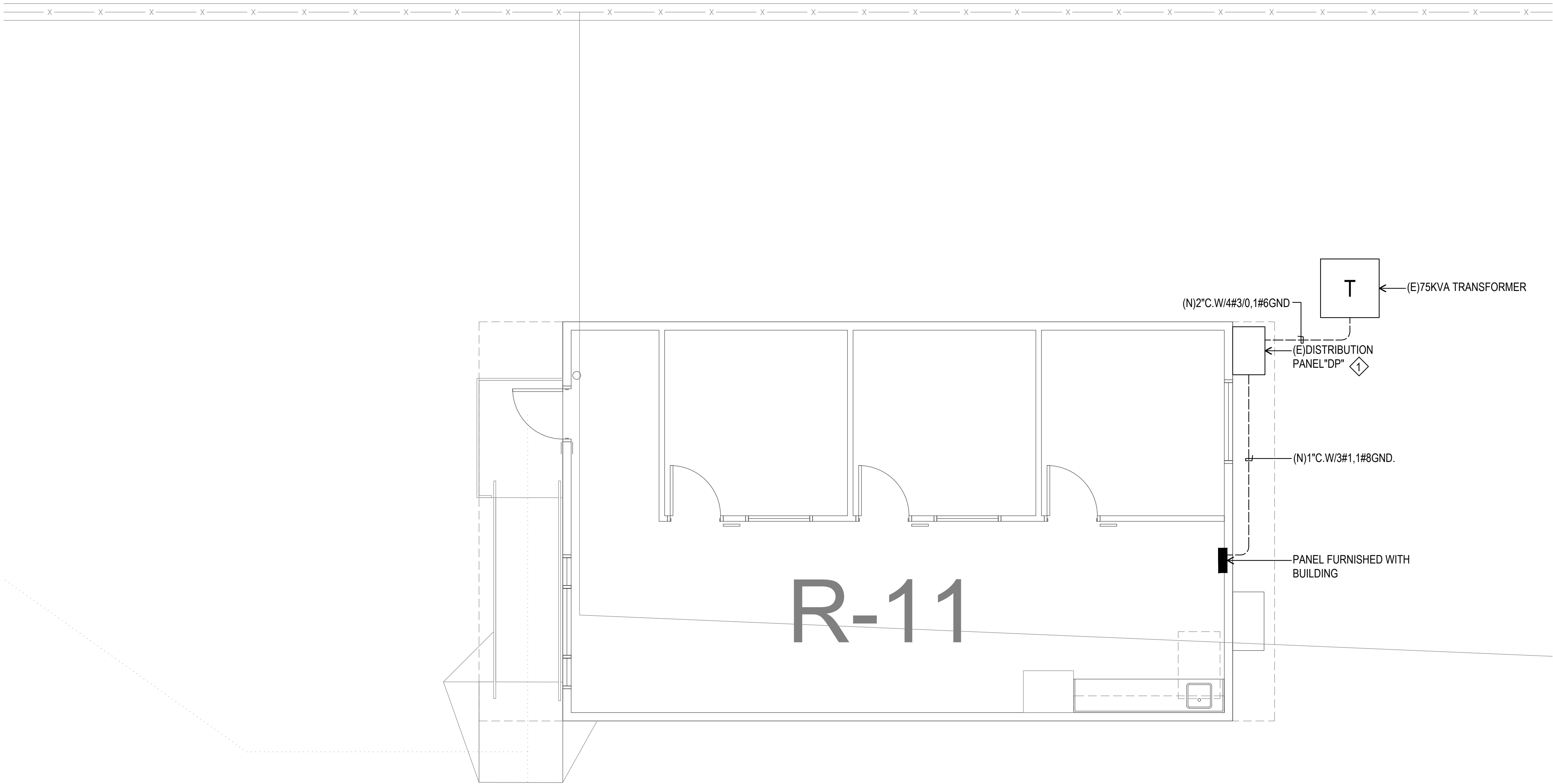
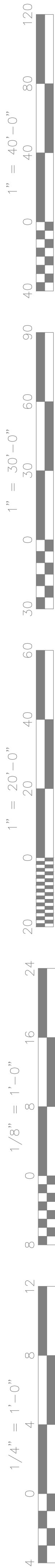
ELECTRICAL ENGINEERING  
LIGHTING DESIGN  
CA REGISTRATION NO E13083

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SANTA BARBARA CA 93101  
(805) 569-3518  
FAX (805) 569-2405  
email: maloney@jmpe.net  
www.jmpe.net

24334







**ELECTRICAL NOTES**

(E) PANEL TO BE REINSTALLED  
ON EXTERIOR OF NEW  
BUILDING



**PARTIAL ELECTRICAL SITE PLAN**

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

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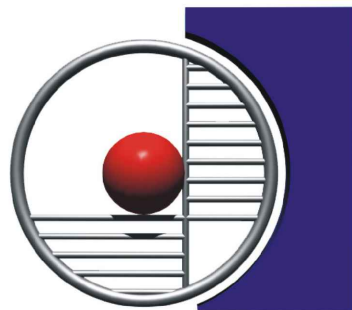
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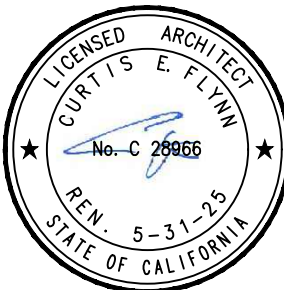
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**PARTIAL ELECTRICAL  
SITE PLAN**

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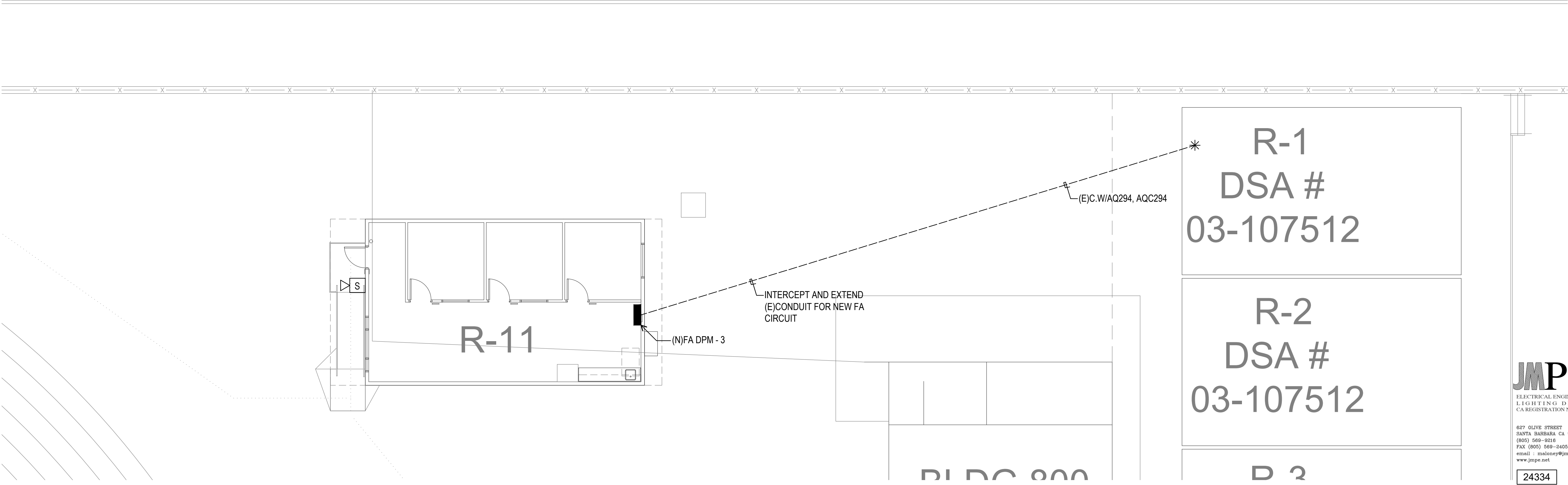
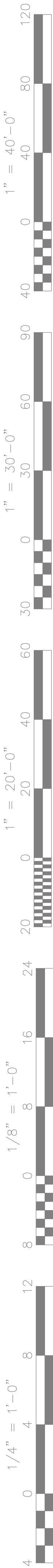
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PARTIAL FIRE ALARM SITE PLAN  
SCALE: 1/8" = 1'-0"

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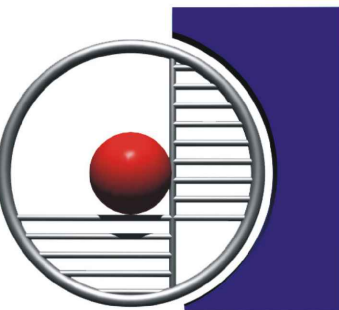
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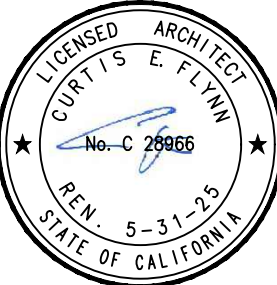
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PARTIAL FIRE ALARM  
SITE PLAN

Job No.:

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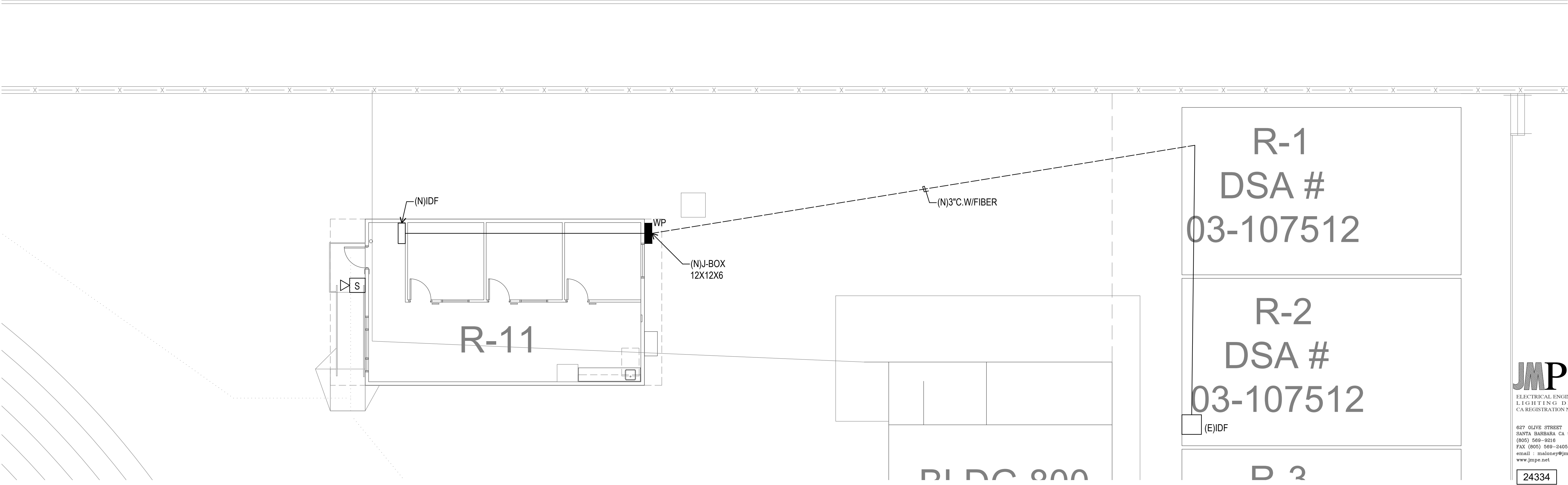
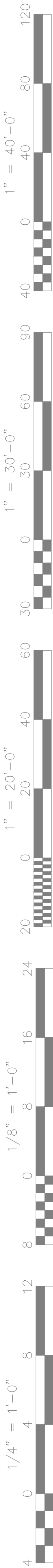
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PARTIAL DATA/COMM SITE PLAN

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

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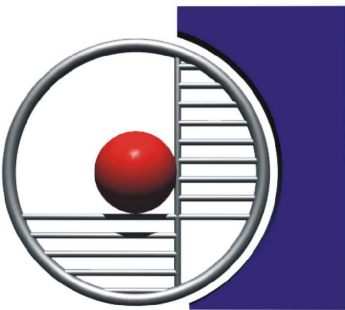
Project Name:

20X40 BUILDING

Project Address:

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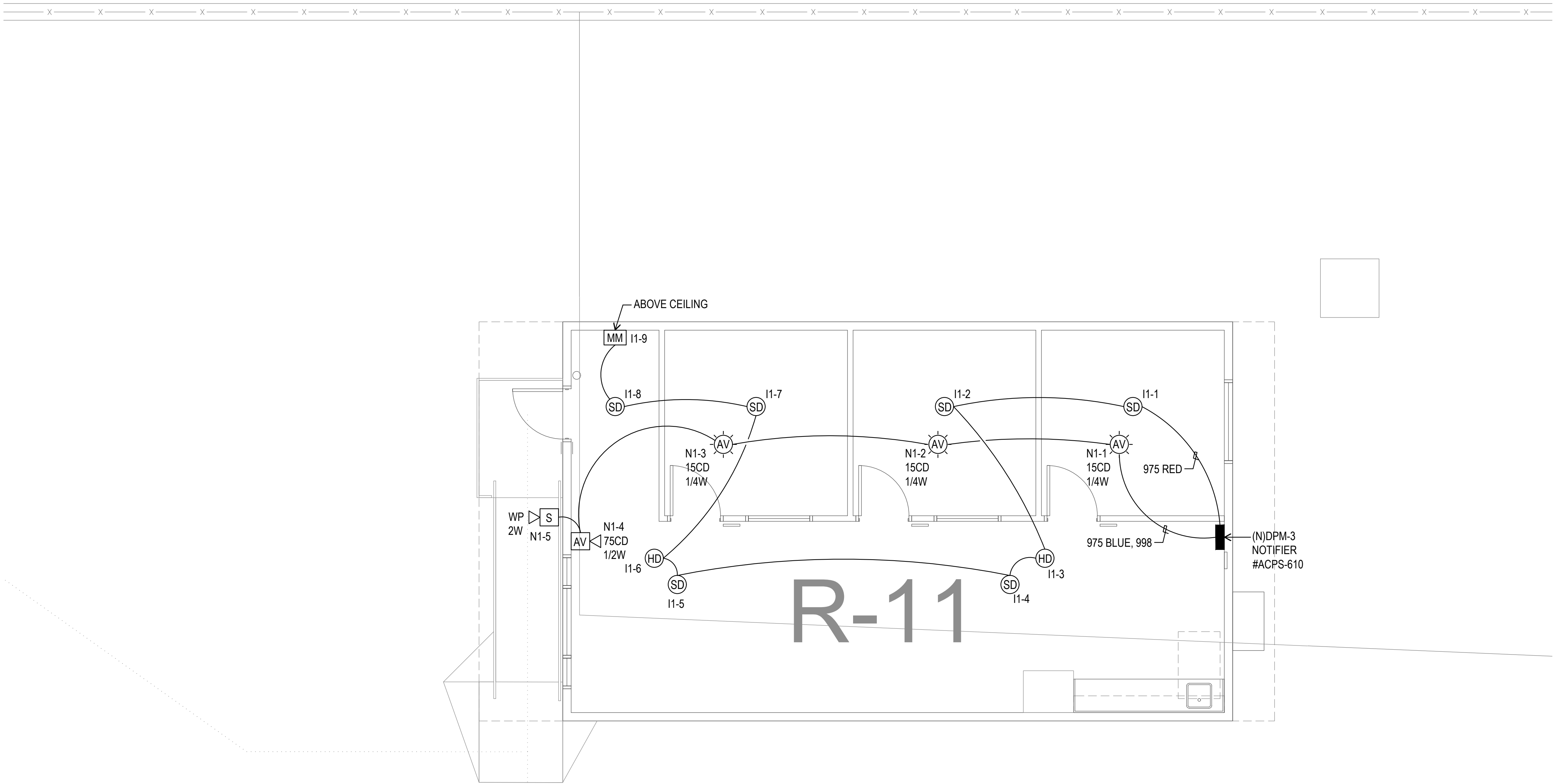
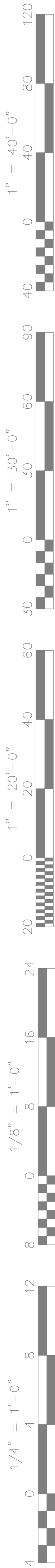
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Professional Engineer Seal for Curtis E. Flynn, No. C 29955, State of California, expires 5-31-25.





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

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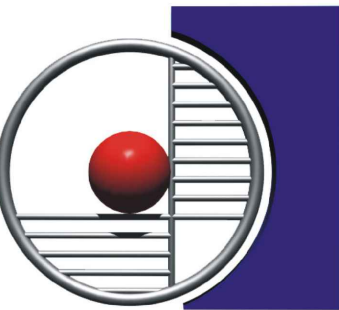
Project Name:

**20X40 BUILDING**

Project Address:

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**FIRE ALARM  
PLAN**

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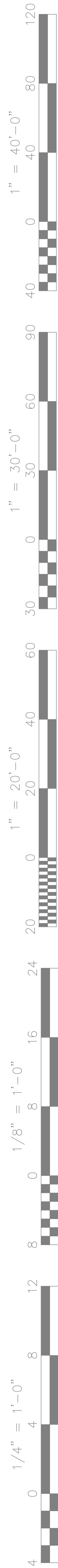
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SECTION 26 00 00 - ELECTRICAL

PART 1 \_ GENERAL

- 1.1 IDENTIFICATION OF EQUIPMENT
- A. DISTRIBUTION PANELBOARDS: IDENTIFICATION SHALL BE WITH 1" X 4" LAMINATED, WHITE ON BLACK, MICARTA NAMEPLATES ON EACH MAJOR COMPONENT, EACH WITH NAME AND/OR NUMBER OF UNIT AND OTHER PERTINENT DATA AS REQUIRED. EMERGENCY POWER DISTRIBUTION PANELS SHALL BE IDENTIFIED WITH WHITE ON RED MICARTA NAMEPLATES. LETTERS SHALL BE NO LESS THAN 3/8" HIGH.
- B. CIRCUIT BREAKERS SHALL BE IDENTIFIED BY NUMBER AND NAME WITH 3/4" X 1-1/2" LAMINATED MICARTA NAMEPLATES WITH 3/16" HIGH LETTERS MOUNTED ADJACENT TO CIRCUIT BREAKER OR SWITCH.
- C. MISCELLANEOUS EQUIPMENT (ELECTRICAL), SUCH AS INDIVIDUALLY MOUNTED SAFETY SWITCHES, STARTERS, STEP-DOWN TRANSFORMERS, PULL BOXES, JUNCTION BOXES, ETC., SHALL BE IDENTIFIED AS REQUIRED BY THE USE OF SUCH EQUIPMENT WITH P-TOUCH LABELS AS REQUIRED.

1.2 ARC FLASH LABELING

- A. ALL PANELS, CIRCUIT BREAKER ENCLOSURES, SWITCHBOARDS AND MOTOR CONTROL CENTERS SHALL BE LABELED WITH ARC FLASH WARNING STICKERS.
- B. THESE LABELS SHALL CONTAIN THE FOLLOWING:

1. ARC FLASH BOUNDARY
2. MINIMUM ARC RATING
3. PERSONAL PROTECTIVE EQUIPMENT LEVEL, PPE
4. SHOCK HAZARD LEVEL
5. FAULT CURRENT

1.3 MOUNTING

- A. PROVIDE MATERIALS AND ACCESSORIES NECESSARY TO PROPERLY MOUNT AND SECURE EQUIPMENT FURNISHED AND/OR INSTALLED UNDER THE ELECTRICAL WORK. THIS INCLUDES BUT IS NOT LIMITED TO SUCH ITEMS AS CONDUIT, OUTLETS, JUNCTION BOXES, SWITCHES, RELAYS, DISCONNECT SWITCHES, LIGHTING FIXTURES, CABINETS, AND TRANSFORMERS.

PART 2 \_ PRODUCTS AND EXECUTION

2.1 CONDUIT

- A. RIGID STEEL CONDUIT:
1. RIGID STEEL CONDUIT SHALL HAVE ZINC COATED EXTERIOR, ZINC OR ENAMEL INTERIOR, STANDARD WEIGHT, ZINC COATED COUPLINGS, LOCKNUTS AND BUSHINGS AND SHALL BEAR THE U.L. LABEL. RIGID CONDUIT SHALL NOT BE INSTALLED UNDERGROUND.
2. USE RIGID CONDUIT ONLY FOR EXPOSED EXTERIOR CONDUIT RUNS, WHEREVER SUBJECT TO PHYSICAL DAMAGE, OR WHERE SPECIFICALLY CALLED FOR ON THE DRAWINGS OR REQUIRED BY A SERVING UTILITY.
3. INTERMEDIATE METALLIC CONDUIT (I.M.C.) MAY BE USED IN LIEU OF RIGID STEEL CONDUIT.
4. USE LIQUID\_TIGHT FLEXIBLE CONDUIT IN LIEU OF FLEXIBLE CONDUIT FOR WET, DAMP, OR OUTDOOR AREAS OR WHERE WEATHERPROOF FLEXIBLE CONDUIT IS CALLED FOR ON THE DRAWINGS OR BY CODE.

- B. PLASTIC CONDUIT:
1. PLASTIC CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE (PVC) UNDERWRITER'S APPROVAL, SCHEDULE 40. CONNECTIONS AND FITTINGS SHALL BE "OUTSIDE" TYPE ASSEMBLED IN ACCORDANCE WITH THE RECOMMENDED METHODS OF THE MANUFACTURER.
2. UNDERGROUND PVC CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES BELOW GRADE. WHERE MORE THAN TWO CONDUITS ARE INSTALLED ADJACENTLY UNDERGROUND, USE FACTORY MADE CONDUIT SPACERS.
3. PVC CONDUIT SHALL BE USED FOR UNDERGROUND CONDUIT RUNS IN LIEU OF WRAPPED RIGID CONDUIT EXCEPT AS NOTED OTHERWISE ON THE DRAWINGS OR REQUIRED BY THE SERVING UTILITY.
4. PROVIDE A CODE SIZE GROUND CONDUCTOR IN EACH CONDUIT.
5. ONLY BRAIDED POLYETHYLENE OR SIMILAR PULL ROPE SHALL BE USED.

C. INSTALLATION OF CONDUIT:

1. UNDERGROUND CONDUIT.
- a. KEEP INTERIOR OF CONDUIT CLEAN AND CLEAR. CLEAN UNDERGROUND CONDUITS BY PULLING A MANDREL THROUGH CONDUIT RUN FOLLOWED WITH A SWAB BEFORE PULLING WIRE.
- b. REROUTE CONDUIT FROM LOCATIONS SHOWN ON THE DRAWINGS WHERE IT IS NECESSARY TO CLEAR OBSTRUCTIONS.
- c. PROVIDE JUNCTION OR PULL BOXES WHERE REQUIRED FOR PULLING CONDUCTORS DUE TO EXCESSIVE NUMBER OF BENDS OR LENGTH OF CONDUIT RUNS.
- d. BURY UNDERGROUND CONDUIT, EXCEPT THOSE UNDER BUILDINGS, A MINIMUM OF 24 INCHES BELOW FINISHED GRADE. CONDUITS UNDER ROADWAYS SHALL BE A MINIMUM OF 36 INCHES BELOW FINISHED GRADE. CONDUIT RUNS 3/4 INCH AND SMALLER IN SLABS SHALL BE LOCATED ABOVE VAPOR BARRIERS. BURY CONDUIT RUNS LARGER THAN 3/4 INCH TO A MINIMUM DEPTH OF 12 INCHES BELOW FLOOR SLABS.
- e. STANDARD FACTORY ELLS SHALL NOT BE USED IN UNDERGROUND SERVICE CONDUITS OR OTHER LONG UNDERGROUND RUNS. FIELD BENDS SHALL NOT BE FLATTENED OR KINKED AND SHALL NOT MATERIALLY REDUCE THE INTERNAL DIAMETER OF THE CONDUIT. BENDS IN LONG UNDERGROUND RUNS SHALL BE MADE IN LONG SWEEPING BENDS. DO NOT BEND AT COUPLINGS. APPROVED CONDUIT BENDING METHODS SHALL BE USED.
- f. ALL CONDUIT RUNS SHALL HAVE A CODE SIZE INSULATED GROUNDING CONDUCTOR.
- g. PROPERLY SEPARATE TWO OR MORE CONDUITS INSTALLED UNDERGROUND IN A COMMON CONCRETE ENVELOPE WITH APPROVED FACTORY MADE CONDUIT SPACERS.
- h. LOCATE CONDUIT STUB\_OUTS DIMENSIONALLY FROM BUILDING OR CURB LINES ON RECORD DRAWINGS.
- i. PULL WIRES SHALL BE INSTALLED IN EMPTY CONDUITS INCLUDING TELEPHONE CONDUITS AND STUB\_OUTS, NO. 12 AWG, TYPE "THWN" INSULATED COPPER WIRE OR 1/8-INCH POLYETHYLENE ROPE SHALL BE USED.

2. EXPOSED/CONCEALED CONDUIT:

- a. PROVIDE SECURE MOUNTING FACILITIES FOR CONDUITS. WIRE OR PLUMBERS TAPE SHALL NOT BE USED FOR HANGING CONDUIT. STRAP SHALL BE FACTORY MADE OF THE ONE HOLE MALLEABLE IRON OR TWO HOLE GALVANIZED CLAMP TYPE.
- b. PROVIDE EXPANSION COUPLINGS WHEREVER CONDUITS CROSS EXPANSION JOINTS.
- c. RUN CONDUIT AT RIGHT ANGLES OR PARALLEL TO STRUCTURAL MEMBERS, WALLS, FLOORS AND CEILINGS. WHERE SEVERAL CONDUITS ARE RUN TOGETHER OR SUSPENDED, THEY SHALL BE HUNG ON UNISTRUT TRAPEZES WITH MINIMUM 3/8-INCH ROD HANGERS.
- d. CUT ENDS OF CONDUIT SQUARE AND REAM TO REMOVE BURRS OR SHARP EDGES. TERMINATE CONDUITS PROPERLY WITH BUSHINGS, LOCKNUTS, ETC. TERMINATE ONE (1) INCH AND LARGER CONDUITS WITH INSULATED BUSHINGS.
- e. RENDER CONDUITS PROJECTING THROUGH THE ROOFING WATERTIGHT BY PROPER FLASHINGS. SECURELY FASTEN A SHEET METAL CAP AND TIGHTEN BANK OR STORM COLLAR TO THE CONDUITS. EXTEND FLASHING A MINIMUM OF SIX (6) INCHES IN ALL DIRECTIONS. COORDINATE AND INSTALL ROOF FLASHING FOR CONDUITS TO THE SATISFACTION OF THE PROJECT MANAGER.
- f. ALL CONDUIT RUNS SHALL HAVE A CODE SIZE INSULATED GROUNDING CONDUCTOR.
- g. PULL WIRES SHALL BE INSTALLED IN EMPTY CONDUITS INCLUDING TELEPHONE CONDUITS AND STUB\_OUTS, NO. 12 AWG, TYPE "THWN" INSULATED COPPER WIRE OR 1/8-INCH POLYETHYLENE ROPE SHALL BE USED.
- h. FLEXIBLE CONDUIT CONNECTIONS SHALL COMPLY WITH NEC SECTION 350-22.

2.2 WIRE AND CABLE

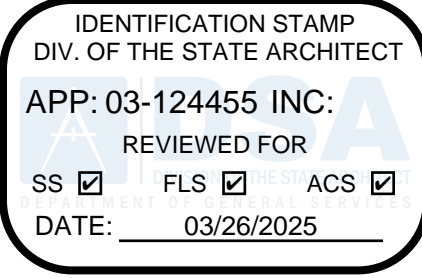
A. 600 VOLT CONDUCTORS:

1. CONDUCTORS SHALL BE COPPER AND DELIVERED TO THE SITE IN THEIR ORIGINAL, UNBROKEN PACKAGES PLAINLY MARKED OR TAGGED WITH U.L. LABEL, SIZE, KIND, INSULATION, NAME OF MANUFACTURER AND TRADE NAME OF THE WIRE.
2. TYPE "THWN", 600 VOLT INSULATION FOR DAMP OR WET LOCATIONS OR ON BOILERS AND FURNACES AND THEIR CONTROLS.
3. TYPE "THHN" 600 VOLT INSULATION SHALL BE USED IN OTHER LOCATIONS UNLESS NOTED.
4. MINIMUM SIZE CONDUCTOR SHALL BE #12.
5. CONDUCTORS SHALL BE STRANDED.
6. GROUND CONDUCTORS SHALL BE BARE COPPER OR HAVE GREEN INSULATION.

B. INSTALLATION:

1. CONDUCTORS SHALL BE CONTINUOUS BETWEEN OUTLETS OR JUNCTION BOXES AND NO SPLICES SHALL BE MADE EXCEPT IN OUTLET BOXES, PULL BOXES, PANELBOARD GUTTERS OR HANDHOLES.
2. JOINTS, SPLICES AND TAPS NO. L0 OR SMALLER (INCLUDING FIXTURE PIGTAILS) SHALL BE CONNECTED WITH "FLOATING SPRING" TYPE CONNECTORS. NO. 8 AND LARGER SHALL BE CONNECTED WITH SOLDERLESS CONNECTORS OF 100% ELECTROLYTIC COPPER. SPLIT\_BOLT CONNECTORS ARE NOT ACCEPTABLE.
3. TIGHTEN PRESSURE TYPE LUGS ON PANELS AND EQUIPMENT, AND THEN RETIGHTEN 24 HOURS OR MORE LATER AFTER ENERGIZING. PROVIDE WRITTEN REPORT OF TORQUE VALUES ON LUGS.
4. OIL OR GREASE SHALL NOT BE USED WHEN PULLING CONDUCTORS. USE U.L. APPROVED CABLE LUBRICATION ONLY.
5. LACE OR TRAIN CONDUCTORS NEATLY IN PANELS, CABINETS AND EQUIPMENT. USE PLASTIC WIRE TIES TO ROUTE CONDUCTORS AT EDGE OF ENCLOSURE AWAY FROM OVERCURRENT DEVICES.
6. BRANCH CIRCUITS SHALL BE COLOR CODED IN COMPLIANCE WITH SECTION 210\_5 OF THE CALIFORNIA ELECTRICAL CODE. COLORED TAPE IS NOT ACCEPTABLE.
7. ALL WIRING, BOTH LINE AND LOW VOLTAGE, SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED.

END OF SECTION 26 00 00



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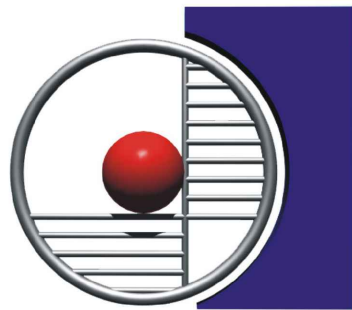
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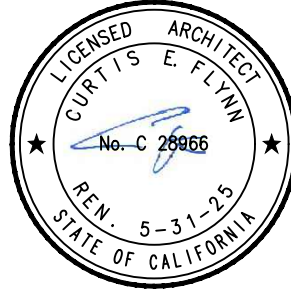
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5625

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SECTION 28 31 11 - FIRE DETECTION AND ALARM SYSTEM

PART 1 - GENERAL

1.1 BASIC SYSTEM FUNCTIONAL OPERATION

- A. WHEN A FIRE ALARM CONDITION IS DETECTED AND REPORTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR:
- THE SYSTEM ALARM LED ON THE SYSTEM DISPLAY SHALL FLASH.
  - A LOCAL PIEZO ELECTRIC SIGNAL IN THE CONTROL PANEL SHALL SOUND.
  - A BACKLIT LCD DISPLAY SHALL INDICATE ALL INFORMATION ASSOCIATED WITH THE FIRE ALARM CONDITION, INCLUDING THE TYPE OF ALARM POINT AND ITS LOCATION WITHIN THE PROTECTED PREMISES.
  - PRINTING AND HISTORY STORAGE EQUIPMENT SHALL LOG THE INFORMATION ASSOCIATED EACH NEW FIRE ALARM CONTROL PANEL CONDITION, ALONG WITH TIME AND DATE OF OCCURRENCE.
  - ALL SYSTEM OUTPUT PROGRAMS ASSIGNED VIA CONTROL-BY-EVENT INTERLOCK PROGRAMMING TO BE ACTIVATED BY THE PARTICULAR POINT IN ALARM SHALL BE EXECUTED, AND THE ASSOCIATED SYSTEM OUTPUTS (NOTIFICATION APPLIANCES AND/OR RELAYS) SHALL BE ACTIVATED.

PART 2 - PRODUCTS

2.1 EQUIPMENT AND MATERIAL, GENERAL

- A. ALL EQUIPMENT AND COMPONENTS SHALL BE NEW, NOTIFIER CURRENT MODELS, THE MATERIALS, APPLIANCES, EQUIPMENT AND DEVICES SHALL BE TESTED AND LISTED BY A NATIONALLY RECOGNIZED APPROVALS AGENCY FOR USE AS PART OF A PROTECTIVE SIGNALING SYSTEM, MEETING THE NATIONAL FIRE ALARM CODE.
- B. ALL EQUIPMENT AND COMPONENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH NOTIFIERS' RECOMMENDATIONS. CONSULT THE MANUFACTURER'S INSTALLATION MANUALS FOR ALL WIRING DIAGRAMS, SCHEMATICS, PHYSICAL EQUIPMENT SIZES, ETC., BEFORE BEGINNING SYSTEM INSTALLATION.
- C. ALL EQUIPMENT SHALL BE ATTACHED TO WALLS AND CEILING/FLOOR ASSEMBLIES AND SHALL BE HELD FIRMLY IN PLACE (E.G., DETECTORS SHALL NOT BE SUPPORTED SOLELY BY SUSPENDED CEILINGS). FASTENERS AND SUPPORTS SHALL BE ADEQUATE TO SUPPORT THE REQUIRED LOAD.
- D. 2.2 MAIN FIRE ALARM CONTROL PANEL.
- E. EXISTING FACP IS A NOTIFIER NFS-320 AND CONTAINS A MICROPROCESSOR BASED CENTRAL PROCESSING UNIT (CPU) AND POWER SUPPLY IN AN ECONOMICAL SPACE SAVING SINGLE BOARD DESIGN. THE CPU SHALL COMMUNICATE WITH AND CONTROL THE FOLLOWING TYPES OF EQUIPMENT USED TO MAKE UP THE SYSTEM: INTELLIGENT ADDRESSABLE SMOKE AND THERMAL (HEAT) DETECTORS, ADDRESSABLE MODULES, PRINTER, ANNUNCIATORS, AND OTHER SYSTEM CONTROLLED DEVICES.
- F. OPERATOR CONTROL:
- ACKNOWLEDGE SWITCH:
    - ACTIVATION OF THE CONTROL PANEL ACKNOWLEDGE SWITCH IN RESPONSE TO NEW ALARMS AND/OR TROUBLES SHALL SILENCE THE LOCAL PANEL PIEZO ELECTRIC SIGNAL AND CHANGE THE ALARM AND TROUBLE LEDS FROM FLASHING MODE TO STEADY-ON MODE. IF MULTIPLE ALARM OR TROUBLE CONDITIONS EXIST, DEPRESSION OF THIS SWITCH SHALL ADVANCE THE LCD DISPLAY TO THE NEXT ALARM OR TROUBLE CONDITION.
    - DEPRESSION OF THE ACKNOWLEDGE SWITCH SHALL ALSO SILENCE ALL REMOTE ANNUNCIATOR PIEZO SOUNDERS.
  - ALARM SILENCE SWITCH: ACTIVATION OF THE ALARM SILENCE SWITCH SHALL CAUSE ALL PROGRAMMED ALARM NOTIFICATION APPLIANCES AND RELAYS TO RETURN TO THE NORMAL CONDITION AFTER AN ALARM CONDITION. THE SELECTION OF NOTIFICATION CIRCUITS AND RELAYS THAT ARE SILENCEABLE BY THIS SWITCH SHALL BE FULLY FIELD PROGRAMMABLE WITHIN THE CONFINES OF ALL APPLICABLE STANDARDS. THE FACP SOFTWARE SHALL INCLUDE SILENCE INHIBIT AND AUTO-SILENCE TIMERS.
  - ALARM ACTIVATE (DRILL) SWITCH: THE ALARM ACTIVATE SWITCH SHALL ACTIVATE ALL NOTIFICATION APPLIANCE CIRCUITS. THE DRILL FUNCTION SHALL LATCH UNTIL THE PANEL IS SILENCED OR RESET.
  - SYSTEM RESET SWITCH: ACTIVATION OF THE SYSTEM RESET SWITCH SHALL CAUSE ALL ELECTRONICALLY-LATCHED INITIATING DEVICES, APPLIANCES OR SOFTWARE ZONES, AS WELL AS ALL ASSOCIATED OUTPUT DEVICES AND CIRCUITS, TO RETURN TO THEIR NORMAL CONDITION.
  - LAMP TEST: THE LAMP TEST SWITCH SHALL ACTIVATE ALL LOCAL SYSTEM LEDS, LIGHT EACH SEGMENT OF THE LIQUID CRYSTAL DISPLAY AND DISPLAY THE PANEL SOFTWARE REVISION FOR SERVICE PERSONAL.

C. SYSTEM CAPACITY AND GENERAL OPERATION

- THE CONTROL PANEL OR EACH NETWORK NODE SHALL PROVIDE, OR BE CAPABLE OF EXPANSION TO 636 INTELLIGENT/ADDRESSABLE DEVICES.
  - THE CONTROL PANEL OR EACH NETWORK NODE SHALL INCLUDE FORM-C ALARM, TROUBLE, SUPERVISORY, AND SECURITY RELAYS RATED AT A MINIMUM OF 2.0 AMPS @ 30 VDC.
  - IT SHALL ALSO INCLUDE FOUR CLASS B (NFPA STYLE Y) OR CLASS A (NFPA STYLE Z) PROGRAMMABLE NOTIFICATION APPLIANCE CIRCUITS.
  - THE NOTIFICATION APPLIANCE CIRCUITS SHALL BE PROGRAMMABLE TO SYNCHRONIZE WITH SYSTEM SENSOR, GENTEX AND WHEELLOCK NOTIFICATION APPLIANCES.
  - THE SYSTEM SHALL INCLUDE A FULL FEATURED OPERATOR INTERFACE CONTROL AND ANNUNCIATION PANEL THAT SHALL INCLUDE A BACKLIT LIQUID CRYSTAL DISPLAY (LCD), INDIVIDUAL COLOR CODED SYSTEM STATUS LEDS, AND AN ALPHANUMERIC KEYPAD WITH EASY TOUCH RUBBER KEYS FOR THE FIELD PROGRAMMING AND CONTROL OF THE FIRE ALARM SYSTEM.
  - THE SYSTEM SHALL BE PROGRAMMABLE, CONFIGURABLE, AND EXPANDABLE IN THE FIELD WITHOUT THE NEED FOR SPECIAL TOOLS, PROM PROGRAMMERS OR PC BASED PROGRAMMERS. IT SHALL NOT REQUIRE REPLACEMENT OF MEMORY ICs TO FACILITATE PROGRAMMING CHANGES.
  - THE SYSTEM SHALL ALLOW THE PROGRAMMING OF ANY INPUT TO ACTIVATE ANY OUTPUT OR GROUP OF OUTPUTS. SYSTEMS THAT HAVE LIMITED PROGRAMMING (SUCH AS GENERAL ALARM), HAVE COMPLICATED PROGRAMMING (SUCH AS A DIODE MATRIX), OR REQUIRE A LAPTOP PERSONAL COMPUTER ARE NOT CONSIDERED SUITABLE SUBSTITUTES.
- THE FACP SHALL SUPPORT UP TO 20 LOGIC EQUATIONS, INCLUDING "AND," "OR," AND "NOT," OR TIME DELAY EQUATIONS TO BE USED FOR ADVANCED PROGRAMMING. LOGIC EQUATIONS SHALL REQUIRE THE USE OF A PC WITH A SOFTWARE UTILITY DESIGNED FOR PROGRAMMING.
8. THE FACP OR EACH NETWORK NODE SHALL PROVIDE THE FOLLOWING FEATURES:

- DRIFT COMPENSATION TO EXTEND DETECTOR ACCURACY OVER LIFE. DRIFT COMPENSATION SHALL ALSO INCLUDE A SMOOTHING FEATURE, ALLOWING TRANSIENT NOISE SIGNALS TO BE FILTERED OUT.
- DETECTOR SENSITIVITY TEST, MEETING REQUIREMENTS OF NFPA 1-2018, CHAPTER 7.
- MAINTENANCE ALERT, WITH TWO LEVELS (MAINTENANCE ALERT/MAINTENANCE URGENT), TO WARN OF EXCESSIVE SMOKE DETECTOR DIRT OR DUST ACCUMULATION.
- NINE SENSITIVITY LEVELS FOR ALARM, SELECTED BY DETECTOR. THE ALARM LEVEL RANGE SHALL BE .5 TO 2.35 PERCENT PER FOOT FOR PHOTOELECTRIC DETECTORS AND 0.5 TO 2.5 PERCENT PER FOOT FOR IONIZATION DETECTORS. THE SYSTEM SHALL ALSO SUPPORT SENSITIVE ADVANCED DETECTION LASER DETECTORS WITH AN ALARM LEVEL RANGE OF .03 PERCENT PER FOOT TO 1.0 PERCENT PER FOOT. THE SYSTEM SHALL ALSO INCLUDE UP TO NINE LEVELS OF PREALARM, SELECTED BY DETECTOR, TO INDICATE IMPENDING ALARMS TO MAINTENANCE PERSONNEL.
- THE ABILITY TO DISPLAY OR PRINT SYSTEM REPORTS.
- ALARM VERIFICATION, WITH COUNTERS AND A TROUBLE INDICATION TO ALERT MAINTENANCE PERSONNEL WHEN A DETECTOR ENTERS VERIFICATION 20 TIMES.
- PAS PRESIGNAL, MEETING NFPA 1-2018 REQUIREMENTS.
- RAPID MANUAL STATION REPORTING (UNDER 3 SECONDS) AND SHALL MEET NFPA 72 CHAPTER 1 REQUIREMENTS FOR ACTIVATION OF NOTIFICATION CIRCUITS WITHIN 10 SECONDS OF INITIATING DEVICE ACTIVATION.
- PERIODIC DETECTOR TEST, CONDUCTED AUTOMATICALLY BY THE SOFTWARE.
- SELF OPTIMIZING PRE-ALARM FOR ADVANCED FIRE WARNING, WHICH ALLOWS EACH DETECTOR TO LEARN ITS PARTICULAR ENVIRONMENT AND SET ITS PREALARM LEVEL TO JUST ABOVE NORMAL PEAKS.
- CROSS ZONING WITH THE CAPABILITY OF COUNTING TWO DETECTORS IN ALARM, TWO SOFTWARE ZONES IN ALARM, OR ONE SMOKE DETECTOR AND ONE THERMAL DETECTOR.
- WALK TEST, WITH A CHECK FOR TWO DETECTORS SET TO SAME ADDRESS.
- CONTROL-BY-TIME FOR NON-FIRE OPERATIONS, WITH HOLIDAY SCHEDULES.
- DAY/NIGHT AUTOMATIC ADJUSTMENT OF DETECTOR SENSITIVITY.
- DEVICE BLINK CONTROL FOR SLEEPING AREAS.

F. SIGNALING LINE CIRCUITS (SLC):

- EACH FACP OR FACP NETWORK NODE SHALL SUPPORT UP TO TWO SLCs. EACH SLC INTERFACE SHALL PROVIDE POWER TO AND COMMUNICATE WITH UP TO 159 INTELLIGENT DETECTORS (IONIZATION, PHOTOELECTRIC OR THERMAL) AND 159 INTELLIGENT MODULES (MONITOR OR CONTROL) FOR A LOOP CAPACITY OF 318 DEVICES. THE ADDITION OF THE OPTIONAL SECOND LOOP SHALL DOUBLE THE DEVICE CAPACITY, SUPPORTING A TOTAL OF 636 DEVICES. EACH SLC SHALL BE CAPABLE OF NFPA 1-2018 STYLE 4, STYLE 6, OR STYLE 7 (CLASS A OR B) WIRING.
- CPU SHALL RECEIVE ANALOG INFORMATION FROM ALL INTELLIGENT DETECTORS TO BE PROCESSED TO DETERMINE WHETHER NORMAL, ALARM, PREALARM, OR TROUBLE CONDITIONS EXIST FOR EACH DETECTOR. THE SOFTWARE SHALL AUTOMATICALLY MAINTAIN THE DETECTOR'S DESIRED SENSITIVITY LEVEL BY ADJUSTING FOR THE EFFECTS OF ENVIRONMENTAL FACTORS, INCLUDING THE ACCUMULATION OF DUST IN EACH DETECTOR. THE ANALOG INFORMATION SHALL ALSO BE USED FOR AUTOMATIC DETECTOR TESTING AND FOR THE AUTOMATIC DETERMINATION OF DETECTOR MAINTENANCE REQUIREMENTS.

I. POWER SUPPLY:

- A HIGH TECH OFF-LINE SWITCHING POWER SUPPLY SHALL BE AVAILABLE FOR THE FIRE ALARM CONTROL PANEL OR NETWORK NODE AND PROVIDE 6.0 AMPS OF AVAILABLE POWER FOR THE CONTROL PANEL AND PERIPHERAL DEVICES.
- PROVISIONS WILL BE MADE TO ALLOW THE AUDIO-VISUAL POWER TO BE INCREASED AS REQUIRED BY ADDING MODULAR EXPANSION AUDIO-VISUAL POWER SUPPLIES.
- POSITIVE-TEMPERATURE-COEFFICIENT (PTC) THERMISTORS, CIRCUIT BREAKERS, OR OTHER OVER-CURRENT PROTECTION SHALL BE PROVIDED ON ALL POWER OUTPUTS. THE POWER SUPPLY SHALL PROVIDE AN INTEGRAL BATTERY CHARGER FOR USE WITH BATTERIES UP TO 55 AH OR MAY BE USED WITH AN EXTERNAL BATTERY AND CHARGER SYSTEM. BATTERY ARRANGEMENT MAY BE CONFIGURED IN THE FIELD.
- THE POWER SUPPLY SHALL CONTINUOUSLY MONITOR ALL FIELD WIRES FOR EARTH GROUND CONDITIONS, AND SHALL HAVE THE FOLLOWING LED INDICATORS:
  - GROUND FAULT LED
  - AC POWER FAIL LED
  - NAC ON LED (4)
- THE MAIN POWER SUPPLY SHALL OPERATE ON 120 VAC, 60 HZ, AND SHALL PROVIDE ALL NECESSARY POWER FOR THE FACP.
- THE MAIN POWER SUPPLY SHALL PROVIDE A BATTERY CHARGER USING DUAL-RATE CHARGING TECHNIQUES FOR FAST BATTERY RECHARGE AND BE CAPABLE OF CHARGING BATTERIES UP TO 200 AH.
- ALL CIRCUITS SHALL BE POWER-LIMITED, PER UL864 REQUIREMENTS.

2.3 SYSTEM COMPONENTS

- A. STROBE LIGHTS SHALL MEET THE REQUIREMENTS OF THE ADA, UL STANDARD 1971, BE FULLY SYNCHRONIZED, AND SHALL MEET THE FOLLOWING CRITERIA:

- THE MAXIMUM PULSE DURATION SHALL BE 2/10 OF ONE SECOND
- STROBE INTENSITY SHALL MEET THE REQUIREMENTS OF UL 1971.
- THE FLASH RATE SHALL MEET THE REQUIREMENTS OF UL 1971.

2.4 SYSTEM COMPONENTS - ADDRESSABLE DEVICES

A. ADDRESSABLE DEVICES - GENERAL:

- ADDRESSABLE DEVICES SHALL USE SIMPLE TO INSTALL AND MAINTAIN DECADE, DECIMAL ADDRESS SWITCHES. DEVICES SHALL BE CAPABLE OF BEING SET TO AN ADDRESS IN A RANGE OF 001 TO 159.
- ADDRESSABLE DEVICES, WHICH USE A BINARY-CODED ADDRESS SETTING METHOD, SUCH AS A DIP-SWITCH, ARE NOT AN ALLOWABLE SUBSTITUTE.
- DETECTORS SHALL BE INTELLIGENT (ANALOG) AND ADDRESSABLE, AND SHALL CONNECT WITH TWO WIRES TO THE FIRE ALARM CONTROL PANEL SIGNALING LINE CIRCUITS.
- ADDRESSABLE SMOKE AND THERMAL DETECTORS SHALL PROVIDE DUAL ALARM AND POWER/POLLING LEDS. BOTH LEDS SHALL FLASH GREEN UNDER NORMAL CONDITIONS, INDICATING THAT THE DETECTOR IS OPERATIONAL AND IN REGULAR COMMUNICATION WITH THE CONTROL PANEL, AND BOTH LEDS SHALL BE PLACED INTO STEADY RED ILLUMINATION BY THE CONTROL PANEL, INDICATING THAT AN ALARM CONDITION HAS BEEN DETECTED. IF REQUIRED, THE LED FLASH SHALL HAVE THE ABILITY TO BE REMOVED FROM THE SYSTEM PROGRAM. AN OUTPUT CONNECTION SHALL ALSO BE PROVIDED IN THE BASE TO CONNECT AN EXTERNAL REMOTE ALARM LED.
- THE FIRE ALARM CONTROL PANEL SHALL PERMIT DETECTOR SENSITIVITY ADJUSTMENT THROUGH FIELD PROGRAMMING OF THE SYSTEM. THE PANEL ON A TIME-OF-DAY BASIS SHALL AUTOMATICALLY ADJUST SENSITIVITY.
- USING SOFTWARE IN THE FACP, DETECTORS SHALL AUTOMATICALLY COMPENSATE FOR DUST ACCUMULATION AND OTHER SLOW ENVIRONMENTAL CHANGES THAT MAY AFFECT THEIR PERFORMANCE. THE DETECTORS SHALL BE LISTED BY UL AS MEETING THE CALIBRATED SENSITIVITY TEST REQUIREMENTS OF NFPA 1-2018, CHAPTER 7.
- THE DETECTORS SHALL BE CEILING-MOUNT AND SHALL INCLUDE A SEPARATE TWIST-LOCK BASE WITH TAMPER PROOF FEATURE. BASES SHALL INCLUDE A SOUNDER BASE WITH A BUILT-IN (LOCAL) SOUNDER RATED AT 85 DBA MINIMUM, A RELAY BASE AND AN ISOLATOR BASE DESIGNED FOR STYLE 7 APPLICATIONS.
- THE DETECTORS SHALL PROVIDE A TEST MEANS WHEREBY THEY WILL SIMULATE AN ALARM CONDITION AND REPORT THAT CONDITION TO THE CONTROL PANEL. SUCH A TEST MAY BE INITIATED AT THE DETECTOR ITSELF (BY ACTIVATING A MAGNETIC SWITCH) OR INITIATED REMOTELY ON COMMAND FROM THE CONTROL PANEL.
- DETECTORS SHALL ALSO STORE AN INTERNAL IDENTIFYING TYPE CODE THAT THE CONTROL PANEL SHALL USE TO IDENTIFY THE TYPE OF DEVICE (ION, PHOTO, THERMAL).
- DETECTORS WILL OPERATE IN AN ANALOG FASHION, WHERE THE DETECTOR SIMPLY MEASURES ITS DESIGNED ENVIRONMENT VARIABLE AND TRANSMITS AN ANALOG VALUE TO THE FACP BASED ON REAL-TIME MEASURED VALUES. THE FACP SOFTWARE, NOT THE DETECTOR, SHALL MAKE THE ALARM/NORMAL DECISION, THEREBY ALLOWING THE SENSITIVITY OF EACH DETECTOR TO BE SET IN THE FACP PROGRAM AND ALLOWING THE SYSTEM OPERATOR TO VIEW THE CURRENT ANALOG VALUE OF EACH DETECTOR.
- ADDRESSABLE DEVICES SHALL STORE AN INTERNAL IDENTIFYING CODE THAT THE CONTROL PANEL SHALL USE TO IDENTIFY THE TYPE OF DEVICE.
- A MAGNETIC TEST SWITCH SHALL BE PROVIDED TO TEST DETECTORS AND MODULES. DETECTORS SHALL REPORT AN INDICATION OF AN ANALOG VALUE REACHING 100% OF THE ALARM THRESHOLD.
- ADDRESSABLE MODULES SHALL MOUNT IN A 4-INCH SQUARE (101.6 MM SQUARE), 2-1/8 INCH (54 MM) DEEP ELECTRICAL BOX. AN OPTIONAL SURFACE MOUNT LEXAN ENCLOSURE SHALL BE AVAILABLE.

B. ADDRESSABLE MANUAL FIRE ALARM BOX (MANUAL STATION):

- ADDRESSABLE MANUAL FIRE ALARM BOXES SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE STATE OF THE MANUAL SWITCH AND THE ADDRESSABLE COMMUNICATION MODULE STATUS. THEY SHALL USE A KEY OPERATED TEST-RESET LOCK, AND SHALL BE DESIGNED SO THAT AFTER ACTUAL EMERGENCY OPERATION, THEY CANNOT BE RESTORED TO NORMAL USE EXCEPT BY THE USE OF A KEY.
- ALL OPERATED STATIONS SHALL HAVE A POSITIVE, VISUAL INDICATION OF OPERATION AND UTILIZE A KEY TYPE RESET.
- MANUAL FIRE ALARM BOXES SHALL BE CONSTRUCTED OF LEXAN WITH CLEARLY VISIBLE OPERATING INSTRUCTIONS PROVIDED ON THE COVER. THE WORD FIRE SHALL APPEAR ON THE FRONT OF THE STATIONS IN RAISED LETTERS, 1.75 INCHES (44 MM) OR LARGER.

- C. INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR: THE DETECTORS SHALL USE THE PHOTOELECTRIC (LIGHT-SCATTERING) PRINCIPAL TO MEASURE SMOKE DENSITY AND SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE ANALOG LEVEL OF SMOKE DENSITY.

D. INTELLIGENT LASER PHOTO SMOKE DETECTOR:

- THE INTELLIGENT LASER PHOTO SMOKE DETECTOR SHALL BE A SPOT TYPE DETECTOR THAT INCORPORATES AN EXTREMELY BRIGHT LASER DIODE AND AN INTEGRAL LENS THAT FOCUSES THE LIGHT BEAM TO A VERY SMALL VOLUME NEAR A RECEIVING PHOTO SENSOR. THE SCATTERING OF SMOKE PARTICLES SHALL ACTIVATE THE PHOTO SENSOR.
- THE LASER DETECTOR SHALL HAVE CONDUCTIVE PLASTIC SO THAT DUST ACCUMULATION IS REDUCED SIGNIFICANTLY.
- THE INTELLIGENT LASER PHOTO DETECTOR SHALL HAVE NINE SENSITIVITY LEVELS AND BE SENSITIVE TO A MINIMUM OBSCURATION OF 0.03 PERCENT PER FOOT.
- THE LASER DETECTOR SHALL NOT REQUIRE EXPENSIVE CONDUIT, SPECIAL FITTINGS OR PVC PIPE.
- THE INTELLIGENT LASER PHOTO DETECTOR SHALL SUPPORT STANDARD, RELAY, ISOLATOR AND SOUNDER DETECTOR BASES.
- THE LASER PHOTO DETECTOR SHALL NOT REQUIRE OTHER CLEANING REQUIREMENTS THAN THOSE LISTED IN NFPA 72. REPLACEMENT, REFURBISHMENT OR SPECIALIZED CLEANING OF THE DETECTOR HEAD SHALL NOT BE REQUIRED.
- THE LASER PHOTO DETECTOR SHALL INCLUDE TWO BICOLOR LEDS THAT FLASH GREEN IN NORMAL OPERATION AND TURN ON STEADY RED IN ALARM.

- E. INTELLIGENT IONIZATION SMOKE DETECTOR: THE DETECTORS SHALL USE THE DUAL-CHAMBER IONIZATION PRINCIPAL TO MEASURE PRODUCTS OF COMBUSTION AND SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE ANALOG LEVEL OF PRODUCTS OF COMBUSTION.

- F. INTELLIGENT THERMAL DETECTORS: THERMAL DETECTORS SHALL BE INTELLIGENT ADDRESSABLE DEVICES RATED AT 135 DEGREES FAHRENHEIT (58 DEGREES CELSIUS) AND HAVE A RATE-OF-RISE ELEMENT RATED AT 15 DEGREES F (9.4 DEGREES C) PER MINUTE. IT SHALL CONNECT VIA TWO WIRES TO THE FIRE ALARM CONTROL PANEL SIGNALING LINE CIRCUIT.

2.5 BATTERIES

- THE BATTERY SHALL HAVE SUFFICIENT CAPACITY TO POWER THE FIRE ALARM SYSTEM FOR NOT LESS THAN TWENTY-FOUR HOURS PLUS 5 MINUTES OF ALARM UPON A NORMAL AC POWER FAILURE.
- THE BATTERIES ARE TO BE COMPLETELY MAINTENANCE FREE. NO LIQUIDS ARE REQUIRED. FLUID LEVEL CHECKS FOR REFILLING, SPILLS, AND LEAKAGE SHALL NOT BE REQUIRED.
- IF NECESSARY TO MEET STANDBY REQUIREMENTS, EXTERNAL BATTERY AND CHARGER SYSTEMS MAY BE USED.

2.6 SPEAKERS

GENERAL:

WHEELLOCK ADVANCE OUTDOOR SPEAKERS AND SPEAKER STROBES SHALL MOUNT TO A WEATHERPROOF BACK BOX. A UNIVERSAL MOUNTING PLATE SHALL BE USED FOR MOUNTING CEILING AND WALL PRODUCTS. THE NOTIFICATION APPLIANCE CIRCUIT AND AMPLIFIER WIRING SHALL TERMINATE AT THE UNIVERSAL MOUNTING PLATE. ALSO, SPECTRALERT ADVANCE SPEAKER STROBES, WHEN USED WITH THE SYNCRCIRCUIT™ MODULE ACCESSORY, SHALL BE POWERED FROM A NON-CODED NOTIFICATION APPLIANCE CIRCUIT OUTPUT AND SHALL OPERATE ON A NOMINAL 12 OR 24 VOLTS. WHEN USED WITH THE SYNCRCIRCUIT™ MODULE, 12-VOLT-RATED NOTIFICATION APPLIANCE CIRCUIT OUTPUTS SHALL OPERATE BETWEEN 8.5 AND 17.5 VOLTS; 24-VOLT-RATED NOTIFICATION APPLIANCE CIRCUIT OUTPUTS SHALL OPERATE BETWEEN 16.5 AND 33 VOLTS. OUTDOOR SPECTRALERT ADVANCE PRODUCTS SHALL OPERATE BETWEEN -40°F AND 151°F FROM A REGULATED DC, OR FULL-WAVE RECTIFIED, UNFILTERED POWER SUPPLY.

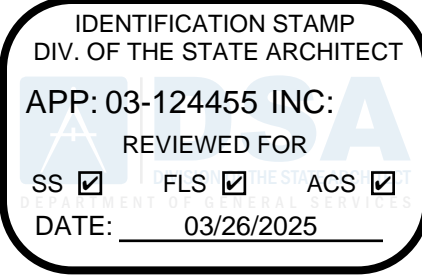
SPEAKER:

SPEAKER SHALL BE A WHEELLOCK ET-1010 \_\_\_\_\_ DUAL-VOLTAGE TRANSFORMER SPEAKER CAPABLE OF OPERATING AT 25.0 OR 70.7 NOMINAL VRMS. SPEAKER SHALL BE LISTED TO UNDERWRITERS LABORATORIES STANDARD S4048 FOR OUTDOOR FIRE PROTECTIVE SIGNALING SYSTEMS. SPEAKER SHALL HAVE A FREQUENCY RANGE OF 400 TO 4,000 HZ AND SHALL HAVE AN OPERATING TEMPERATURE FROM -40°F AND 150.8°F. SPEAKER SHALL HAVE POWER TAPS AND WATTAGE SETTINGS THAT ARE SELECTED BY ROTARY SWITCHES. THE SPEAKER MUST BE INSTALLED WITH ITS WEATHERPROOF BACK BOX IN ORDER TO REMAIN OUTDOOR APPROVED PER UL LISTING S4048. THE SPEAKER SHALL BE SUITABLE FOR USE IN AIR HANDLING SPACES AND WET ENVIRONMENTS.

SPEAKER STROBE COMBINATION:

THE SPEAKER STROBE SHALL BE A NOTIFIER HSS \_\_\_\_\_ LISTED TO UL 1638 AND UL 1480 AND BE APPROVED FOR FIRE PROTECTIVE SIGNALING SYSTEMS. SPEAKER SHALL BE CAPABLE OF OPERATING AT 25.0 OR 70.0 NOMINAL VRMS AND SHALL HAVE A FREQUENCY RANGE OF 400 TO 4,000 HZ. SPEAKER SHALL HAVE POWER TAPS THAT ARE SELECTED BY ROTARY SWITCH. THE STROBE SHALL CONSIST OF A XENON FLASH TUBE WITH ASSOCIATED LENS/REFLECTOR SYSTEM AND OPERATE ON EITHER 12 OR 24 VOLTS. THE STROBE SHALL ALSO FEATURE SELECTABLE CANDELA OUTPUT, PROVIDING OPTIONS FOR 15 OR 15/75 CANDELA WHEN OPERATING ON 12 VOLTS AND 15, 15/75, 30, 75, 110, 115, 135, 150, 177 OR 185 CANDELA WHEN OPERATING ON 24 VOLTS. THE STROBE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT REQUIREMENT FOR VISIBLE SIGNALING APPLIANCES, FLASHING AT 1 HZ OVER THE STROBE'S ENTIRE OPERATING VOLTAGE RANGE. THE SPEAKER STROBE MUST BE INSTALLED WITH ITS WEATHERPROOF BACK BOX IN ORDER TO REMAIN OUTDOOR APPROVED PER UL. THE SPEAKER STROBE SHALL BE SUITABLE FOR USE IN WET ENVIRONMENTS.

END OF SECTION 28 31 11



Owner:

BAKERSFIELD  
CITY SCHOOL  
DISTRICT

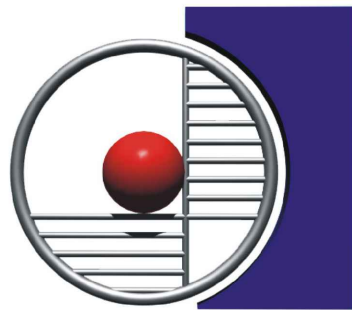
1300 BAKER ST.  
BAKERSFIELD, CA 93305

Project Name:

20X40 BUILDING

Project Address:

CHIPMAN JR. HIGH  
SCHOOL  
2905 EISSLER ST.  
BAKERSFIELD, CA 93306



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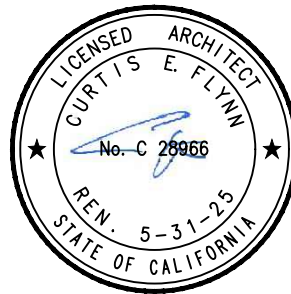
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Sheet Title:

FIRE ALARM  
SPECIFICATIONS

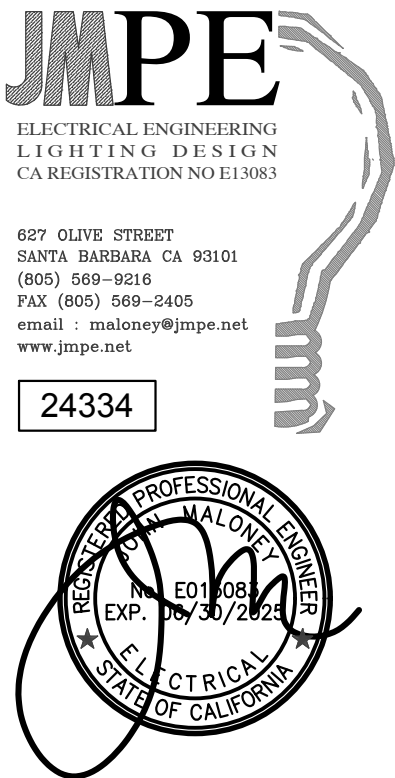
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5625

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Release:





BY  
**SILVER CREEK INDUSTRIES, INC.**  
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571  
PHONE : (951) 943-5393 FAX : (951) 943-2211

**SCI** PROJECT # 10914

GENERAL NOTES

SEE PC SHEET  
A-0

APPLICABLE STANDARDS

SEE PC SHEET  
A-0

APPLICABLE CODES

SEE PC SHEET  
A-0

BUILDING DATA

NUMBER OF STORIES:

1 - STORY

OCCUPANCY:

E: 24' x 40' OFFICE BUILDINGS

TYPE OF CONSTRUCTION

VB

FLOOR LIVE LOAD:

☐ 50 PSF

☐ 50+15 PSF PARTITION LOAD

☒ 100 PSF

☐ 150 PSF

ROOF LIVE LOAD:

20 PSF

FLOOR DEAD LOAD:

☒ WOOD FLOOR - 8 PSF

☐ CONC FLOOR - 33 PSF

ROOF DEAD LOAD:

17 PSF (INCLUDING SPRINKLER LOAD)

RAMP LIVE LOAD:

100 PSF

BUILDING AREA:  
(AREA WITHOUT  
OVERHANGS / AREA  
WITH OVERHANGS)

☒ 24x40' BLDG - 960 SF/1140 SF

☐ 84x40' BLDG - 3360 SF/3960 SF

☐ 36x40' BLDG - 1440 SF/1710 SF

☐ 96x40' BLDG - 3840 SF/4560 SF

☐ 48x40' BLDG - 1920 SF/2280 SF

☐ 108x40' BLDG - 4320 SF/5130 SF

☐ 60x40' BLDG - 2400 SF/2850 SF

☐ 120x40' BLDG - 4800 SF/5700 SF

☐ 72x40' BLDG - 2880 SF/3420 SF

ALLOWABLE  
AREA = 9000 SF

FOUNDATION:

☒ WOOD

☐ CONCRETE

CEC CLIMATE ZONES:

1 - 16

WIND DESIGN DATA


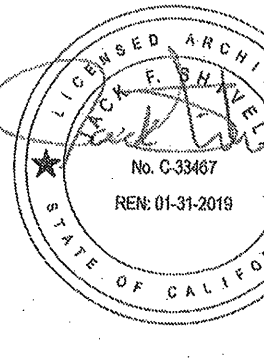
SECTION 1603.A.1.4

SEE PC SHEET  
A-0

EARTHQUAKE DESIGN DATA

SEE PC SHEET  
A-0

[illegible]

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<h2 style="margin: 0;">SILVER CREEK INDUSTRIES, INC.</h2> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;">  <div style="text-align: center;"> <p>"BUILDING FOR THE NEXT GENERATION"</p> </div> </div> <h1 style="margin: 0;">SILVER CREEK</h1> <p>2830 BARRETT AVE. PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p>	
PROJECT NAME:	
<h1 style="margin: 0;">24x40 STOCKPILE OFFICE BUILDING</h1>	
SHEET TITLE:	
<h1 style="margin: 0;">PROJECT SPECIFIC COVER SHEET</h1>	
	
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>AGENCY TRACKING NO. 63321-289</p> <p>FILE NO. 15-6</p> </div> <div style="width: 50%; text-align: center;"> <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;"> <p>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES</p> <p style="font-size: 1.5em;">03178978</p> <p>AC <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> SS <input checked="" type="checkbox"/></p> <p>DATE MAY 24 2018</p> </div> </div> </div>	
PROJECT SPECIFIC STATE AGENCY APPROVAL	
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ORIGINAL PC STATE AGENCY APPROVAL	
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SILVER CREEK INDUSTRIES	
PROJECT NO: 10914	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 04-20-17	
SHEET NUMBER	
<h1 style="margin: 0;">A-0N</h1>	



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**INSULATION SPECIFICATIONS**



**SEE PC SHEET  
A-0.2**

FLOOR, WALL, CEILING MATERIALS	
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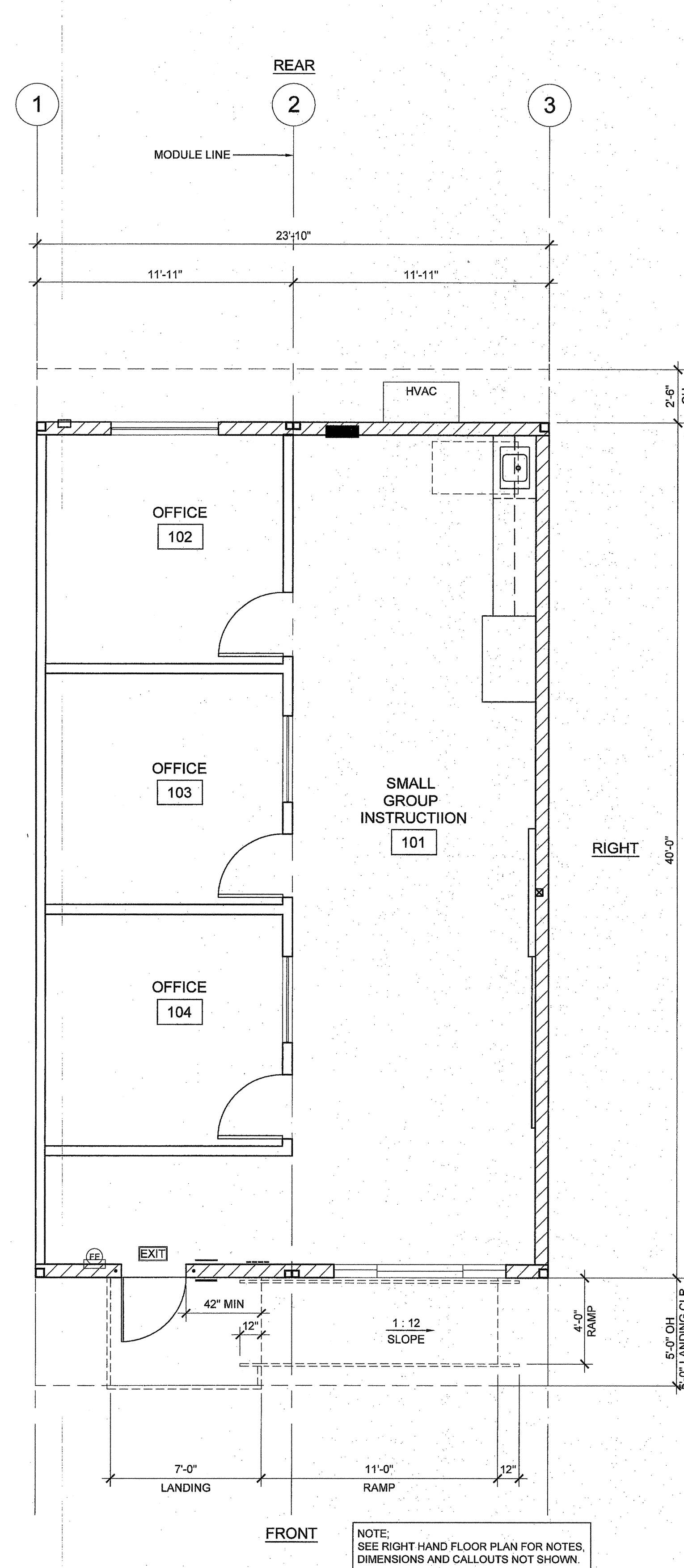
<b><u>FLOORING</u></b>	
CARP:	CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B", CLASS 2, DENSITY 4600; DIRECT GLUE DOWN
SV:	SHEET VINYL FLOORING
VCT:	VINYL COMPOSITION TILE
<b><u>BASE</u></b>	
4" TS:	4" TOP SET BASE
6" TS:	6" TOP SET BASE
SC:	6" SELF-COVE BASE
<b><u>WALLS</u></b>	
TACK:	1/2" VINYL TACKBOARD CLASS 1 OVER 1/4" 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
<b><u>CEILING</u></b>	
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	
SEE PC SHEET A-0.2	

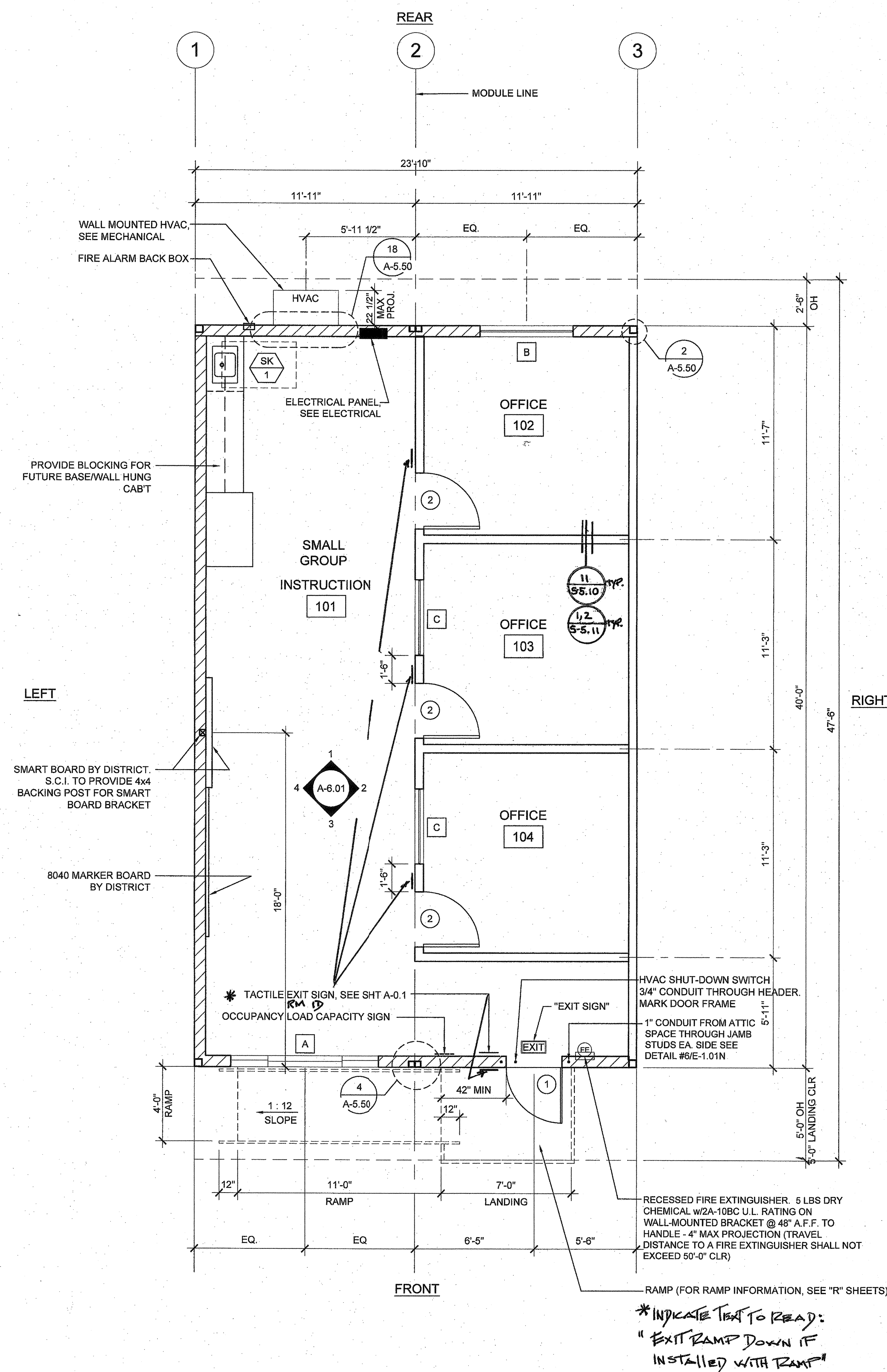
DOOR HARDWARE[illegible]

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<p style="font-size: 1.2em; font-weight: bold; margin: 0;">SILVER CREEK INDUSTRIES, INC.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;">  <div style="text-align: center;"> <p style="font-size: 0.8em; margin: 0;">"BUILDING FOR THE NEXT GENERATION"</p> </div> </div> <p style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">SILVER CREEK</p> <p style="font-size: 0.8em; margin-top: 10px;">2830 BARRETT AVE. PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p>	
<p>PROJECT NAME:</p> <p style="font-size: 1.5em; font-weight: bold; text-align: center; margin-top: 20px;">24x40 STOCKPILE OFFICE BUILDING</p>	
<p>SHEET TITLE:</p> <p style="font-size: 1.5em; font-weight: bold; text-align: center; margin-top: 20px;">PROJECT SPECIFIC SCHEDULES</p>	
	
<p><del>AGENCY TRACKING NO. 63321-289 FILE NO. 15-6</del></p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%; text-align: center;"> <p style="font-size: 0.8em; margin: 0;">IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES</p> <div style="display: flex; justify-content: space-around; align-items: center; margin: 5px 0;"> <span>AC</span> <span>FLS</span> <span>SS</span> </div> <p style="font-size: 0.8em; margin: 0;">DATE MAY 24 2014</p> </div> <p><del>PROJECT SPECIFIC STATE AGENCY APPROVAL</del></p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%; text-align: center;"> <p style="font-size: 0.8em; margin: 0;">IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT</p> <p style="font-size: 1.2em; margin: 5px 0;">04 110284</p> <p style="font-size: 0.8em; margin: 0;">ACS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> SS <input checked="" type="checkbox"/> RAE</p> <p style="font-size: 0.8em; margin: 0;">DATE MAY 18 2017</p> </div> <p><del>ORIGINAL PC STATE AGENCY APPROVAL</del></p>	
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<p style="font-weight: bold; margin: 0;">SILVER CREEK INDUSTRIES</p>	
<p>PROJECT NO: 10914</p> <p>DRAWN BY:</p> <p>SCALE: AS NOTED</p> <p>DATE: 04-20-17</p>	
<p style="text-align: center; font-weight: bold; margin: 0;">SHEET NUMBER</p> <p style="font-size: 2em; font-weight: bold; text-align: center; margin-top: 20px;">A-0.2N</p>	





OPTIONAL LEFT HAND FLOOR PLAN



RIGHT HAND FLOOR PLAN

**WALL LEGEND**

NOMINAL 4" WALL STUD

NOMINAL 6" WALL STUD

NOMINAL 8" WALL STUD

WINDOW PER SCHEDULE SHEET A-0.2N

DOOR PER SCHEDULE SHEET A-0.2N

**SYMBOLS LEGEND**

60" CIRCLE CLEAR SPACE

30"x48" CLEAR SPACE

\*REFER TO P.1.01 - PROVIDE MIN. 19" TOE CLEARANCE DEPTH TESTED THAN 17" SHOWN IN DET.

PLUMBING FIXTURE SCHEDULE					
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
SK 1	CLASSROOM SINK	1/2"	-	2"	2"
FIXTURE DESCRIPTION (AS CALLED OR APPROVED EQUAL)					
SK 1	ELKAY PSDKADQ2517C STAINLESS STEEL SINK W/ CENTER FAUCET HOLE, HAWS 5054LF DRINKING FOUNTAIN BUBBLER, HAWS 5510LF GOOSENECK FAUCET, AQUA PURE WATER FILTER AP717, PROVIDE COMPLETE ASSEMBLY FOR SINK INSTALLATION INCLUDING BRASSCRAFT ANGLE STOPS, BRASSCRAFT COPPER FAUCET RISER, BRASSCRAFT SPEEDI-PLUMB PLUS BRAIDED CONNECTOR, P-TRAP.				

PLUMBING SCHEDULE

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**PROJECT SPECIFIC FLOOR PLAN**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
  
AC ☒ FLS ☒ SS ☒  
DATE MAY 24 2019

PROJECT SPECIFIC STATE AGENCY APPROVAL  
  
AC ☒ FLS ☒ SS ☒ RAE  
DATE MAY 18 2017

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PROJECT NO: 10914

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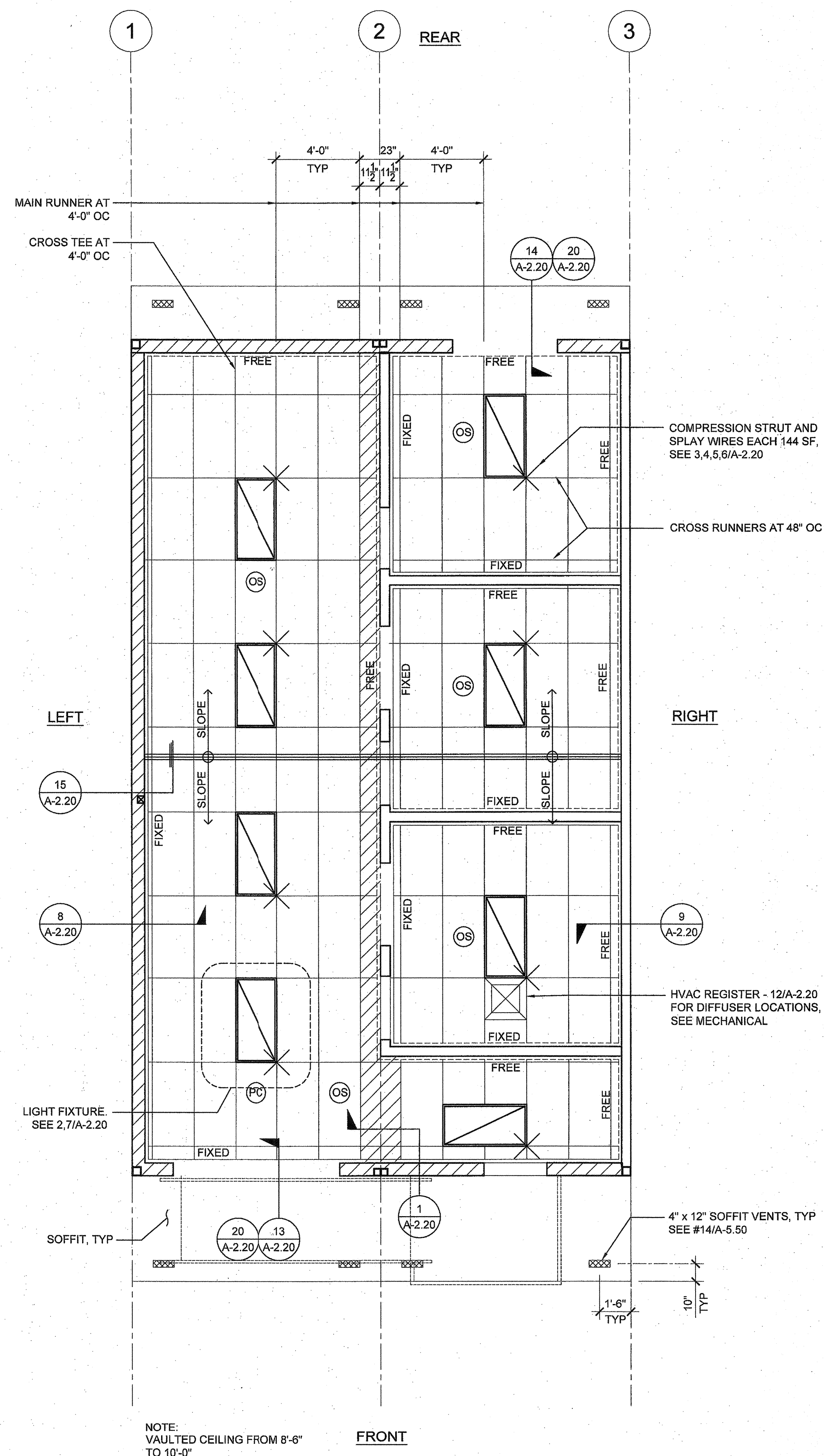
SCALE: AS NOTED

DATE: 04-20-17

SHEET NUMBER

**A-1.01N**





REFLECTED CEILING PLAN

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

1

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SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

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"BUILDING FOR THE NEXT GENERATION"  
SILVER CREEK  
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE  
OFFICE BUILDING**

SHEET TITLE:  
**PROJECT SPECIFIC  
REFELECTED CEILING**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

PROJECT SPECIFIC STATE AGENCY APPROVAL

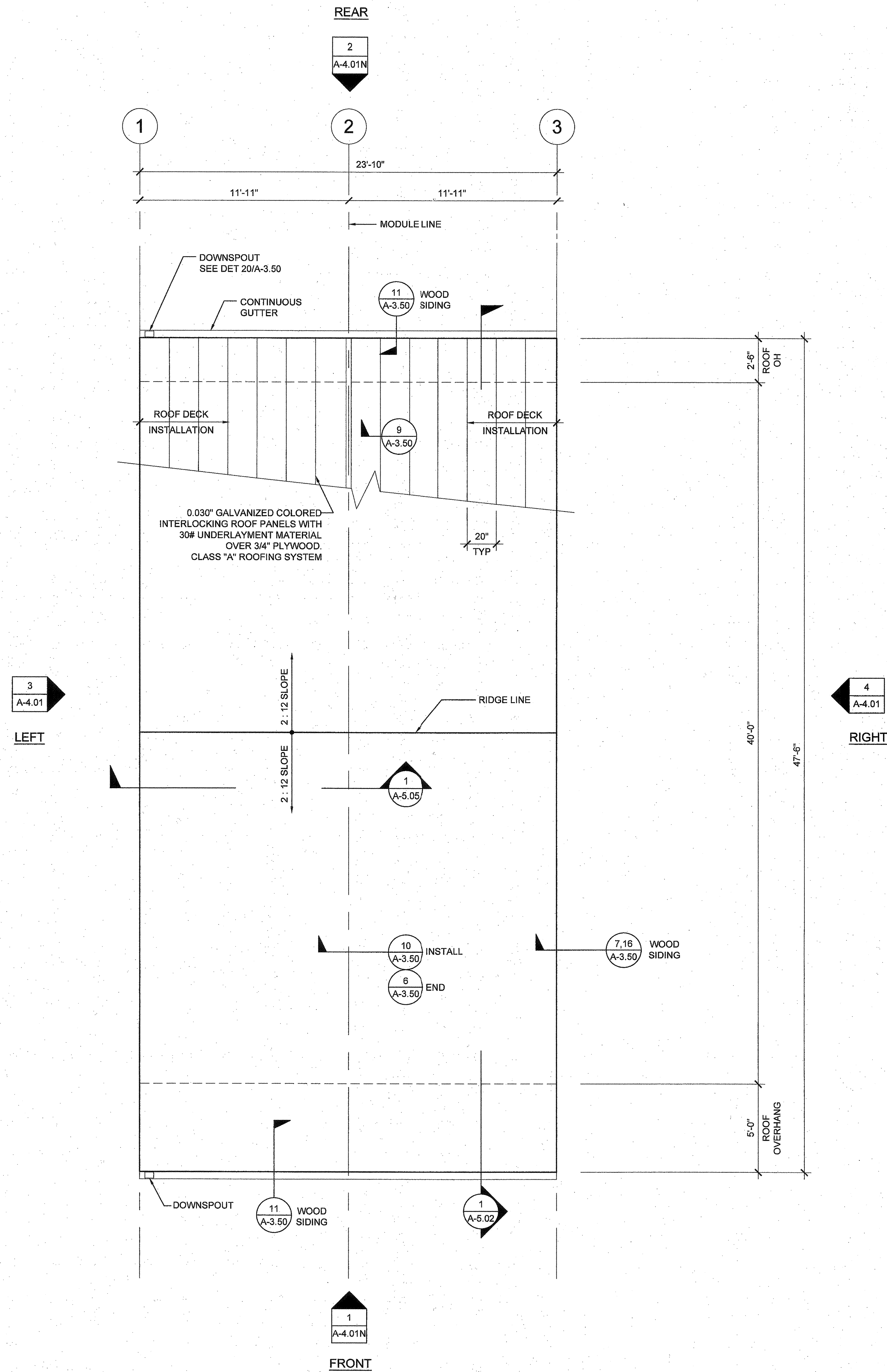
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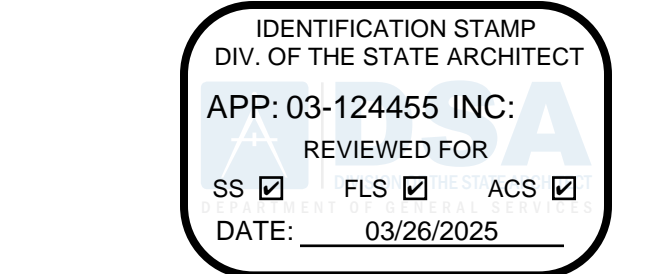
SILVER CREEK INDUSTRIES

PROJECT NO: 10914  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 04-20-17  
SHEET NUMBER  
**A-2.11N**





- 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.  
CBC 2016 SECTIONS 1015.6 & 1015.7.
  - FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3.  
LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP)
  - ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.
  - WHEN PARAPETS ARE REQUIRED BECAUSE OF FIRE SEPARATION REQUIREMENTS AND/OR PROJECT SPECIFICATIONS, PROVIDE PARAPET PER CBC SECT. 705.11.



SILVER CREEK INDUSTRIES, INC.



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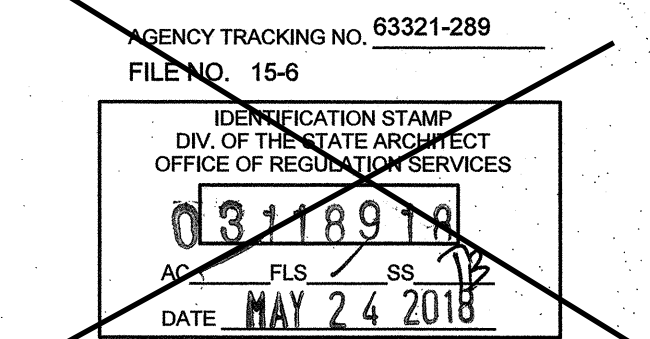
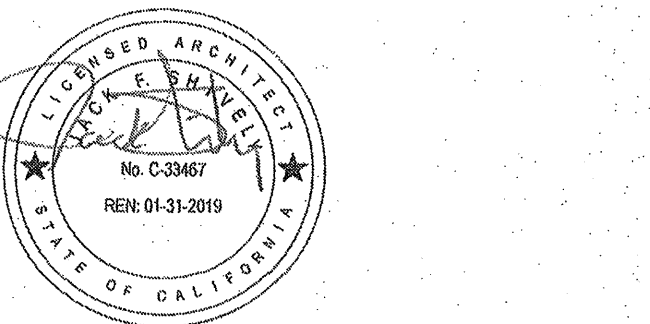
PROJECT NAME:

24x40 STOCKPILE  
OFFICE BUILDING

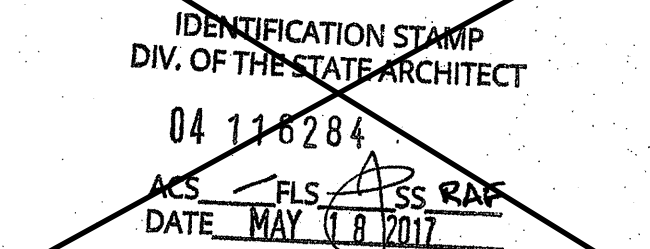
SHEET TITLE:

PROJECT SPECIFIC  
ROOF PLAN

24'x40' - 0.030" METAL DECK



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL

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PROJECT NO: 10914

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DATE: 04-20-17

SHEET NUMBER

A-3.01N



ROOF FLASHING AT SIDEWALL SCALE : 6"=1'-0" 16

ROOF FLASHING AT SIDEWALL	SCALE : 6"=1'-0"	16	GUTTER AT ROOF FASCIA BEAM	SCALE : 3"=1'-0"	11
---------------------------	------------------	----	----------------------------	------------------	----

END ROOF PAN CONNECTION

FLASHING AT MODULE LINE WALL

DOWNSPOUT ATTACHMENT

STARTER ROOF PAN CONNECTION

NOT USED	2b	ROOF FLASHING SCALE: 6"=1'-0"	2a
----------	----	-------------------------------	----

ROOF DECK PROFILE

STARTER ROOF PAN CONNECTION

FLASHING AT ROOF LOW SIDE(S) SCALE : 6"=1'-0" 3a

ROOF DECK PROFILE

ROOF DECK PROFILE	SCALE : 6"=1'-0"	18		13
-------------------	------------------	----	--	----

<p> <math>\frac{1}{2}</math> </p>	<p> <math>\frac{1}{2}</math> </p>
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NOT USED	3b
----------	----

MODULE LINE ROOF CAP	SCALE : NTS	19
----------------------	-------------	----

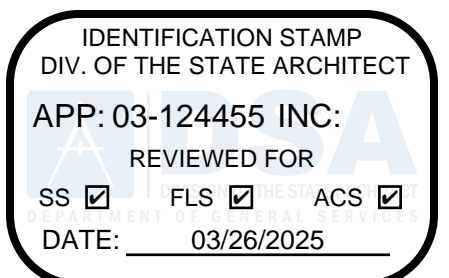
DOWNSPOUT ATTACHMENT

ROOF CLIP SCALE : 1'-0"=1'-0" 14

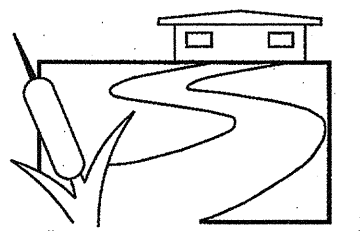
ROOF STANDING SEAM

MODULE LINE ROOF CAP - 0.030" ROOF

0.018" GUTTER AND GUTTER STRAP	SCALE: 3"=1'-0"	5
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SILVER CREEK INDUSTRIES, INC.



**"BUILDING FOR THE  
NEXT GENERATION"**

# SILVER CREEK

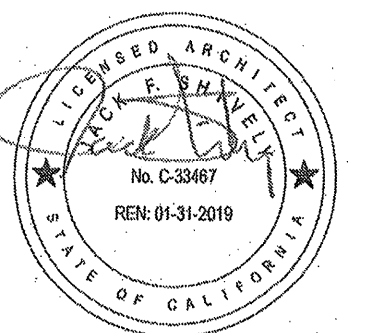
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

# 24x40 STOCKPILE OFFICE BUILDING

SHEET TITLE

PROJECT SPECIFIC  
ROOF DETAILS  
0.030 STANDING SEAM  
ROOF DECK



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

03176918

AC FLS SS 12

DATE MAY 24 2018

**PROJECT SPECIFIC STATE AGENCY APPROVAL**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04 116284  
ACS — FLS AP SS RME  
DATE MAY 18 2017

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PROJECT NO: 10914

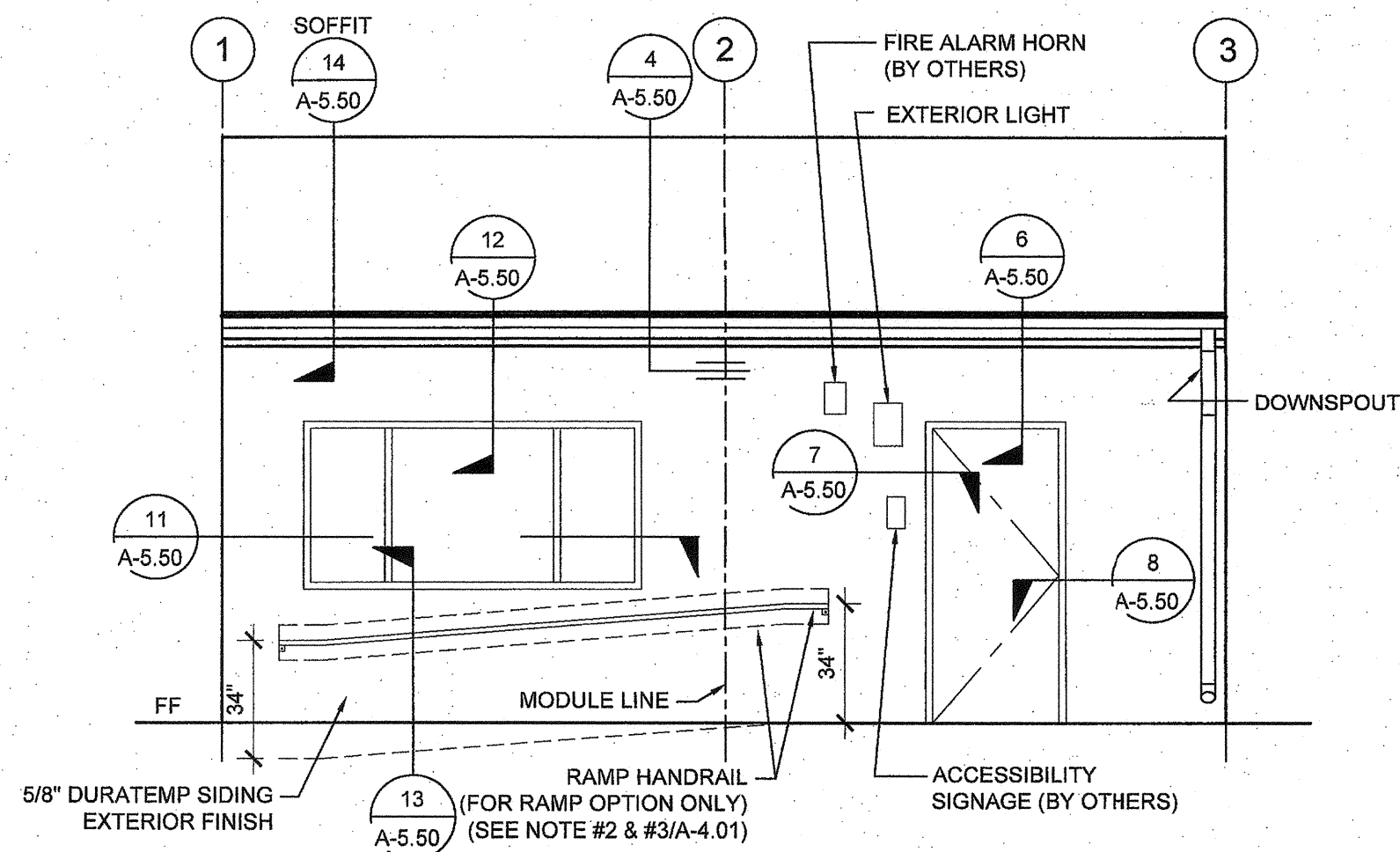
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SHEET NUMBER

A-3.50N



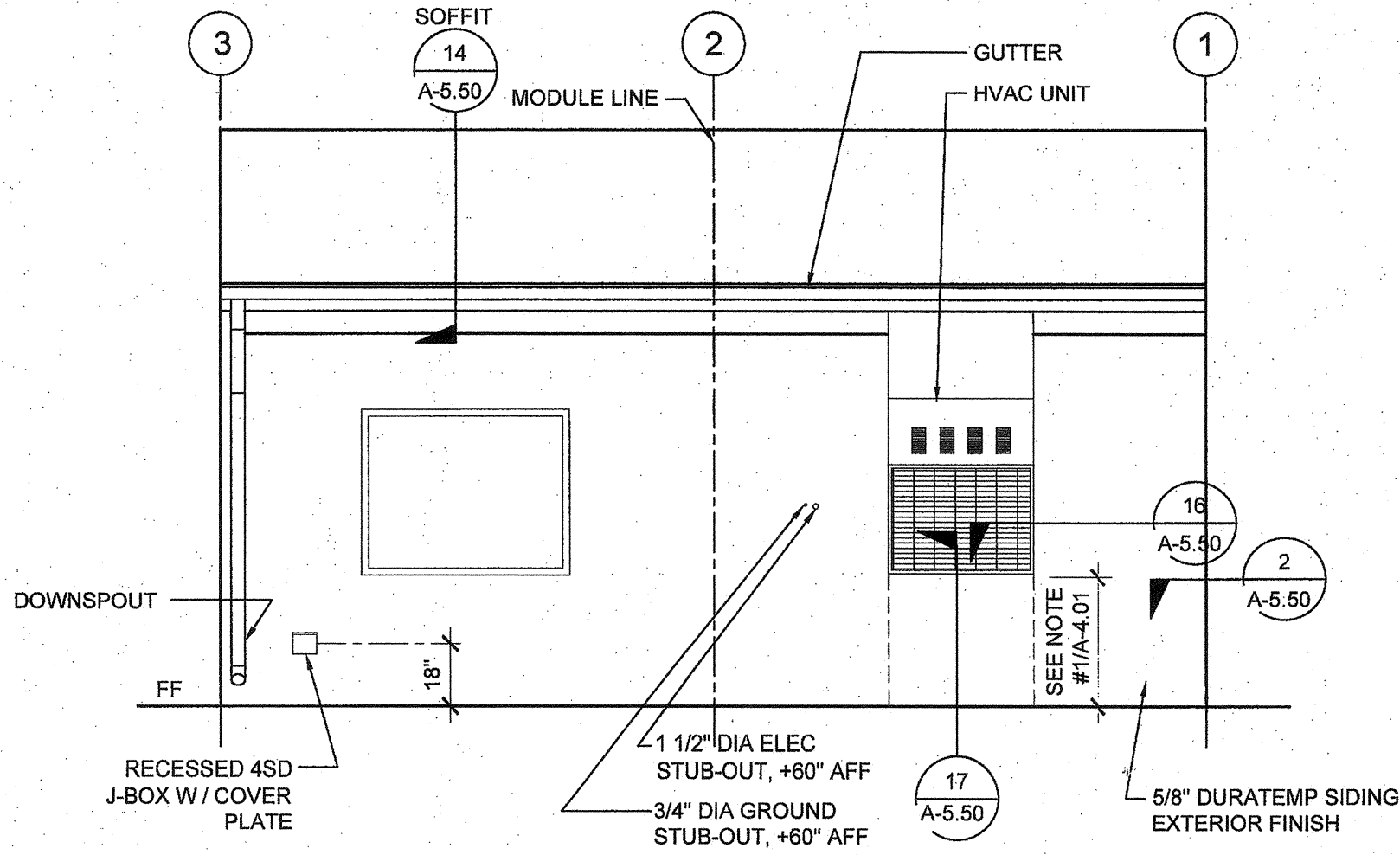


PAINT FINISH NOTE  
EXTERIOR SIDING - FLAT  
EXTERIOR TRIM - SEMI GLOSS  
EXTERIOR DOORS AND FRAMES - GLOSS  
GUTTERS & DOWNSPOUTS - SEMI GLOSS

EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE

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

1



EXTERIOR ELEVATIONS - REAR - DUAL SLOPE

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

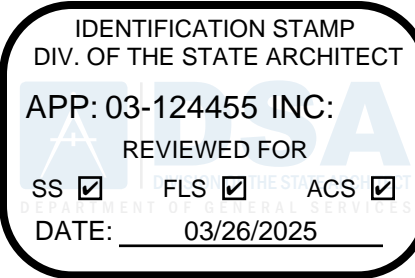
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SCALE: 1/4" = 1'-0"

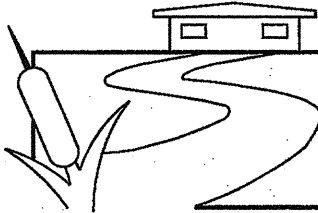
3

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

4



SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

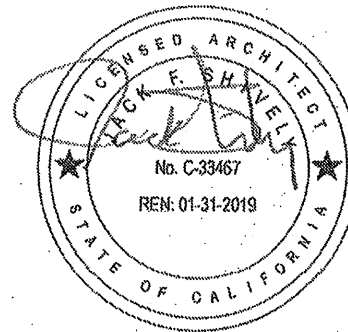
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

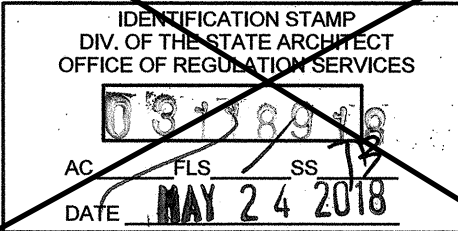
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

PROJECT SPECIFIC  
EXTERIOR ELEVATIONS



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6



PROJECT SPECIFIC STATE AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT

04 116284

AC FLS SS RPK  
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PROJECT NO: 10914

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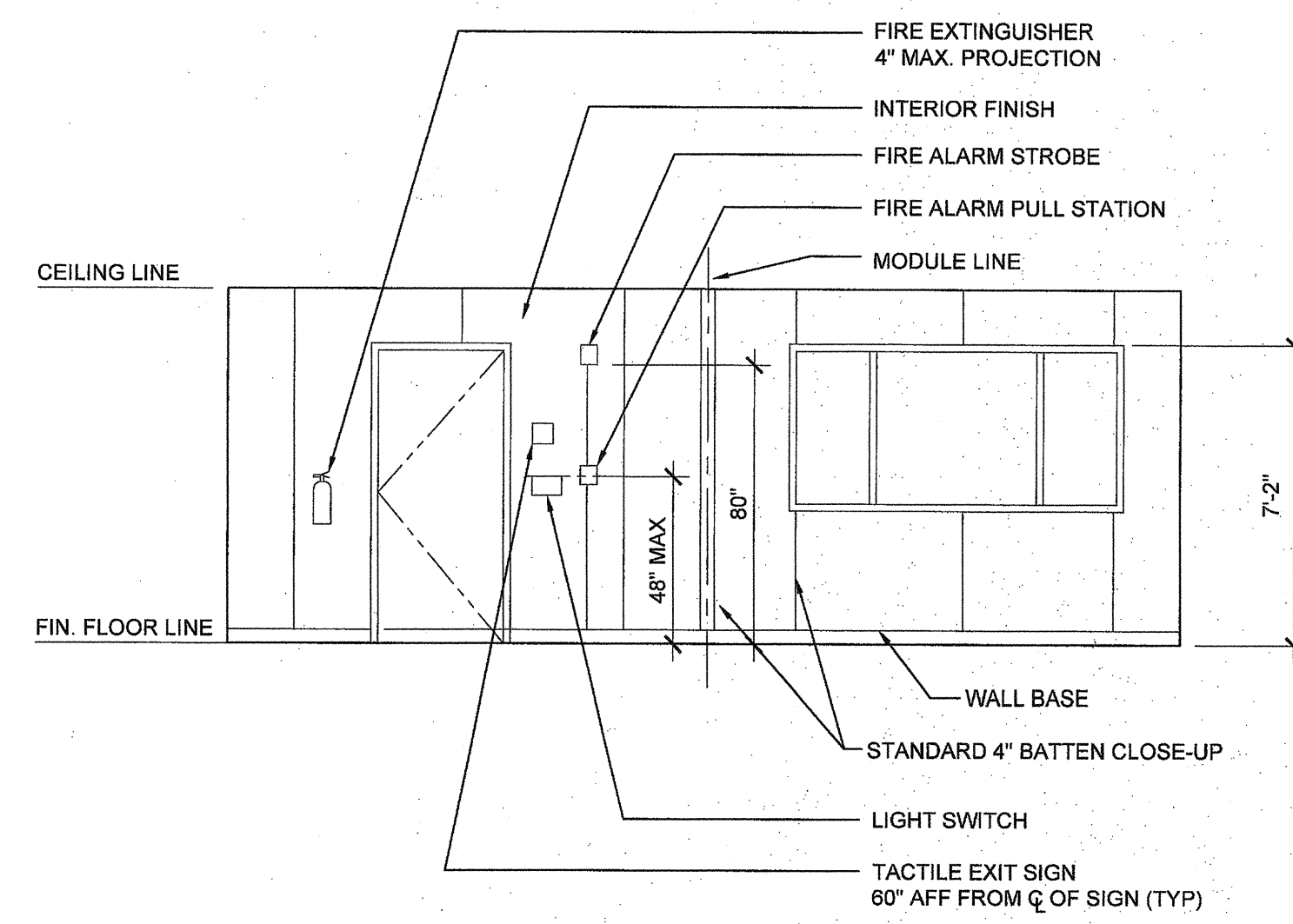
SCALE: AS NOTED

DATE: 04-20-17

SHEET NUMBER

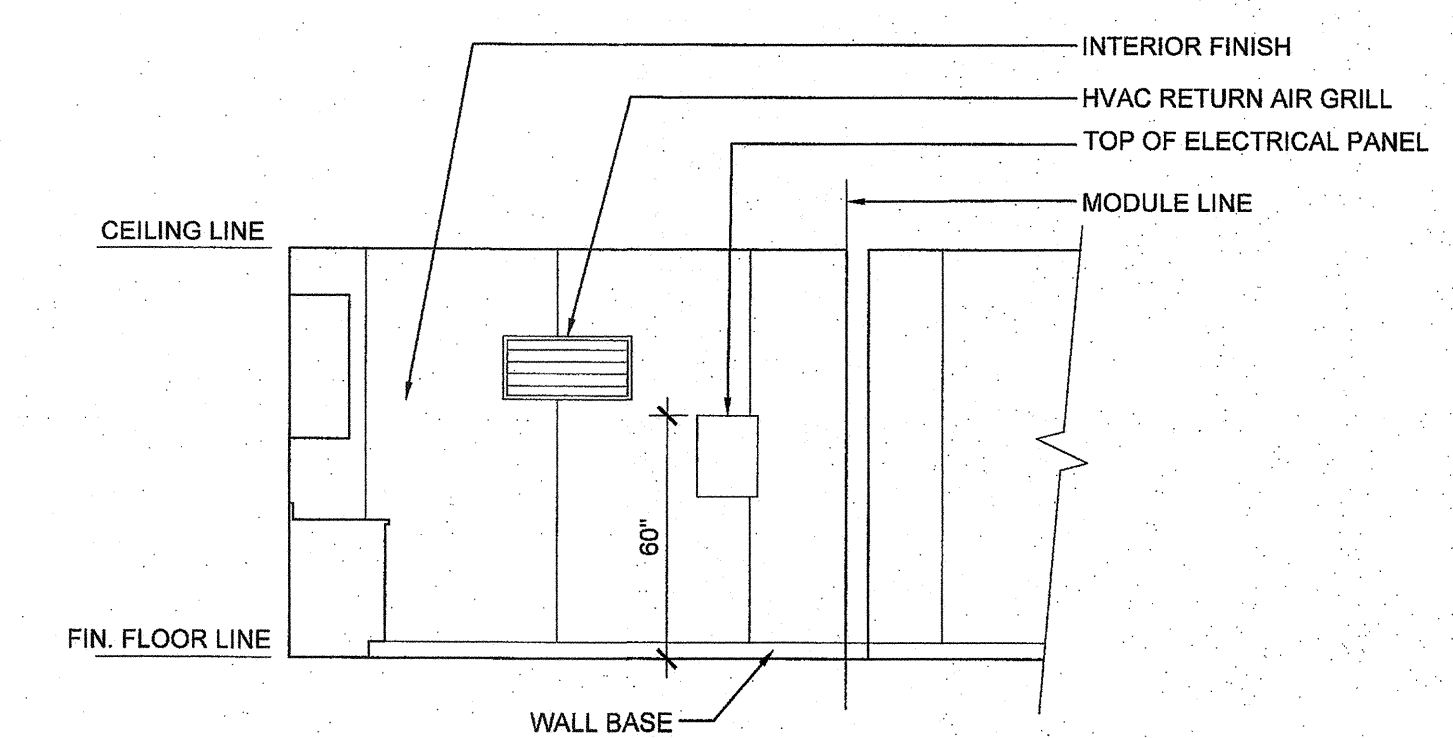
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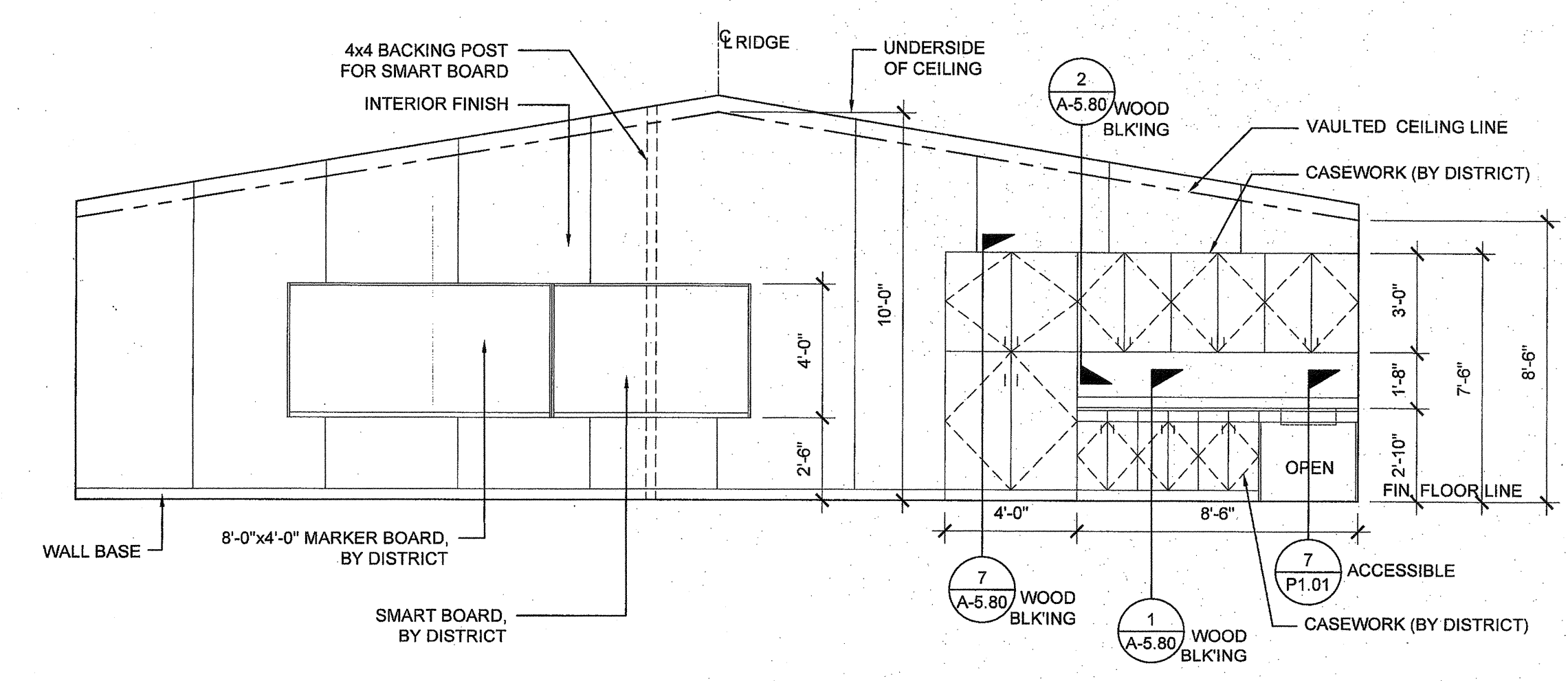
INTERIOR ELEVATION

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



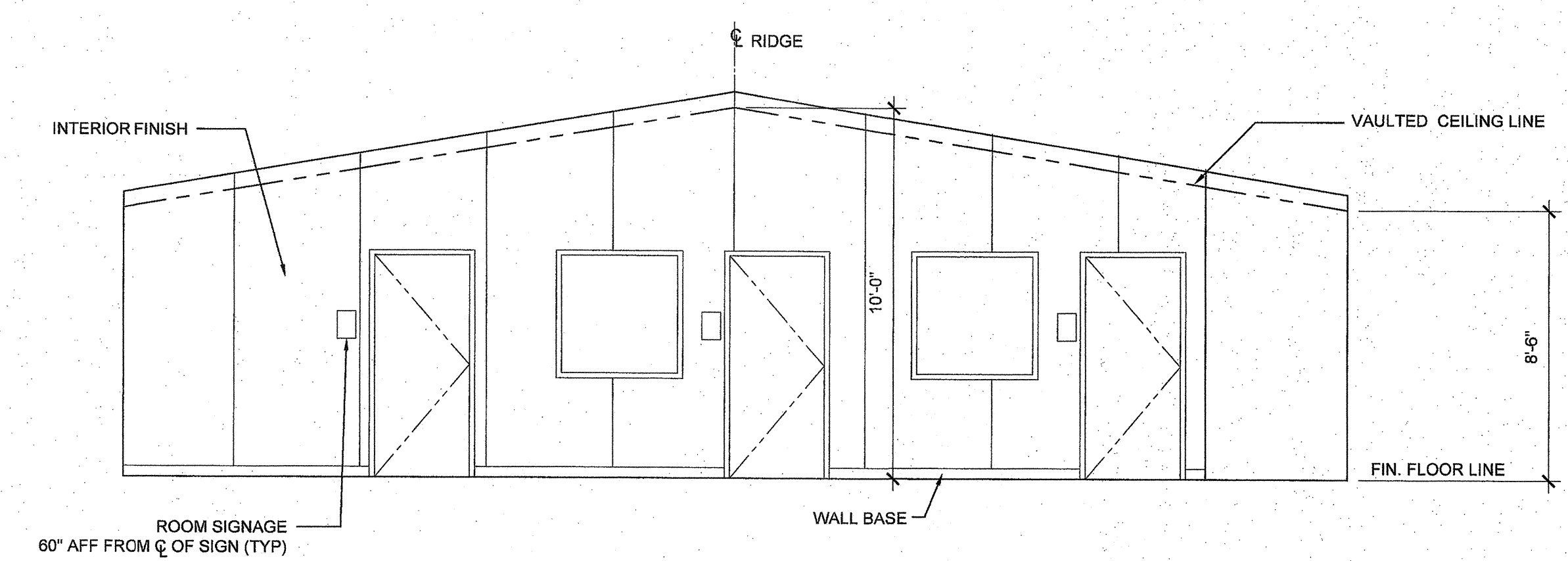
INTERIOR ELEVATION

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



INTERIOR ELEVATION

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



INTERIOR ELEVATION

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE  
NEXT GENERATION"

**SILVER  
CREEK**

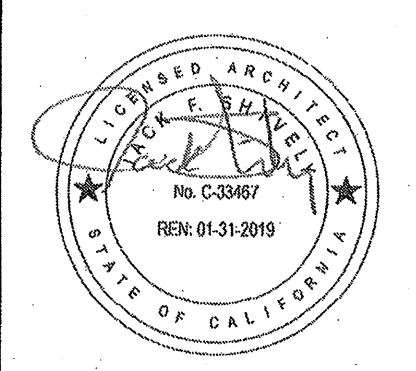
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**24x40 STOCKPILE  
OFFICE BUILDING**

SHEET TITLE:

**PROJECT SPECIFIC  
INTERIOR ELEVATIONS**



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATORY SERVICES  
03118918  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04118284  
DATE MAY 18 2017

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PROJECT NO: 10914

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SCALE: AS NOTED

DATE: 04-20-17

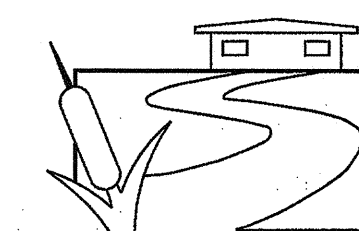
SHEET NUMBER

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DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
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SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE  
NEXT GENERATION

# SILVER CREEK

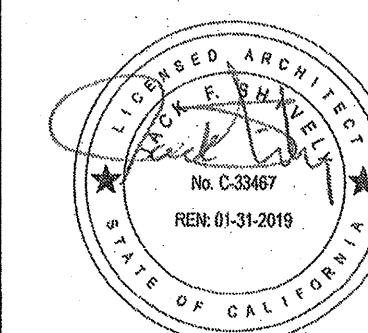
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

24x40 STOCKPILE  
OFFICE BUILDING

**SHEET TITLE:**

## PROJECT SPECIFIC MECHANICAL PLAN



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

PROJECT SPECIFIC STATE AGENCY APPROVAL \_\_\_\_\_

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

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DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL

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PROJECT NO: 10914

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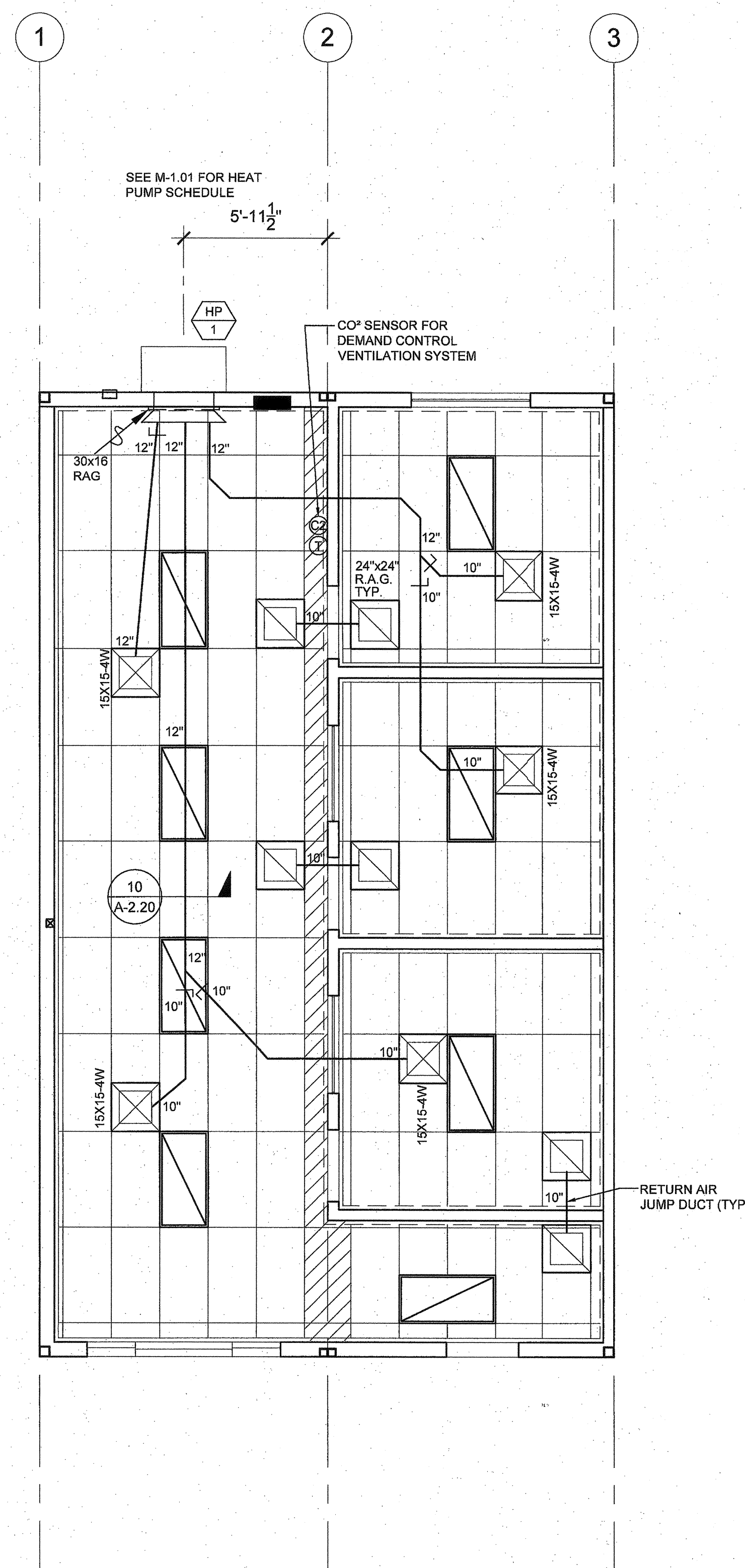
DATE: 04-20-

SHEET NUMBER

SHEET NUMBER

M-1.01N

NOTE:  
PROVIDE ECONOMIZER W/ HVAC UNIT.  
SEE M-1.01 FOR MECHANICAL SCHEDULE

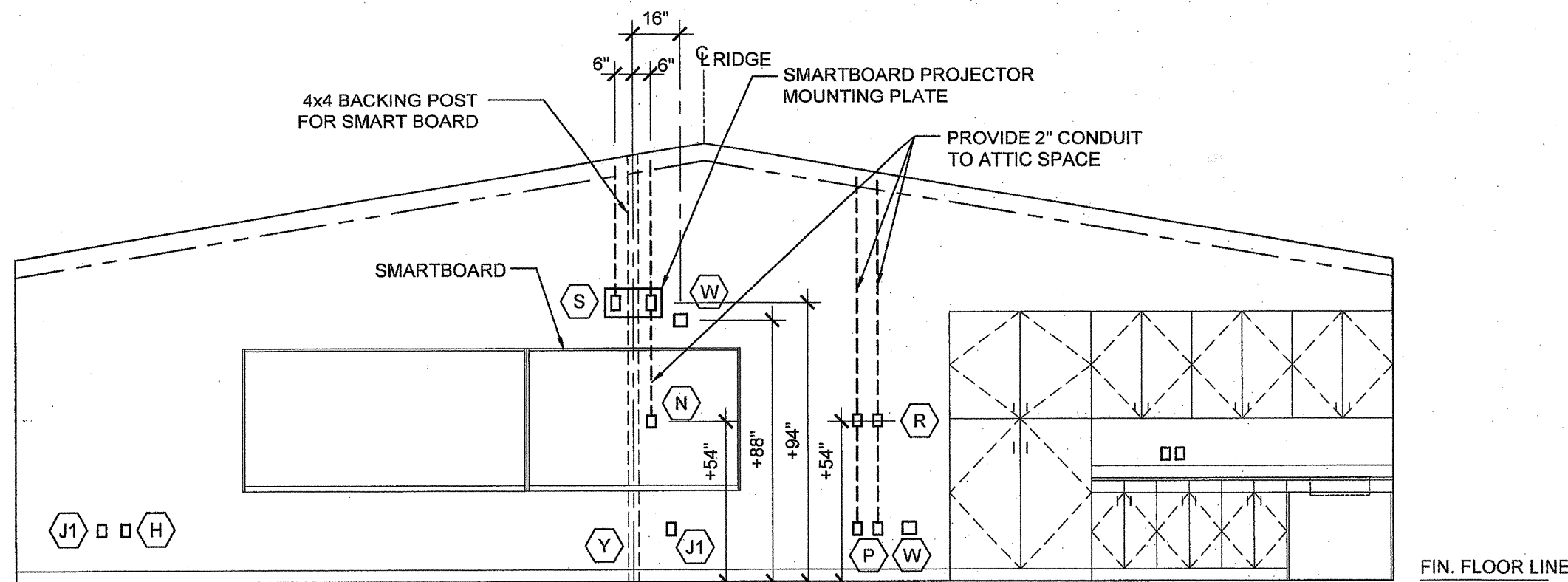


MECHANICAL PLAN

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

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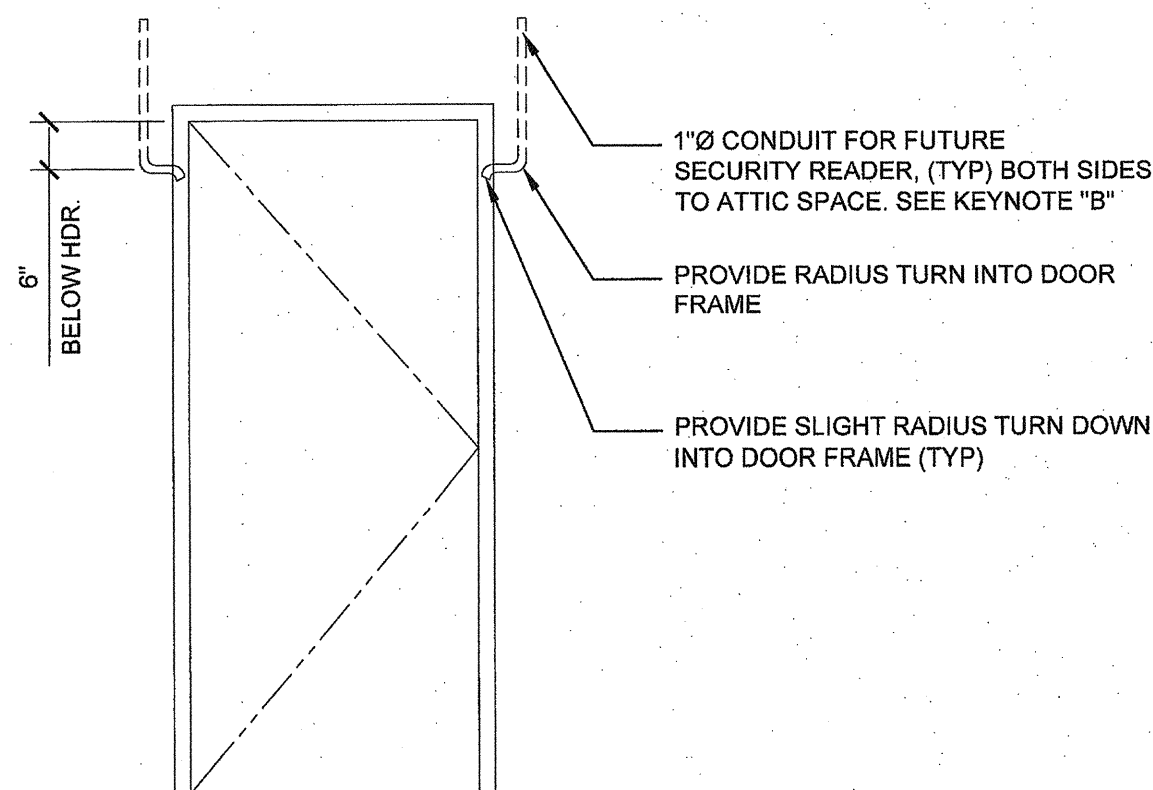




SMART BOARD WALL ELEVATION

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

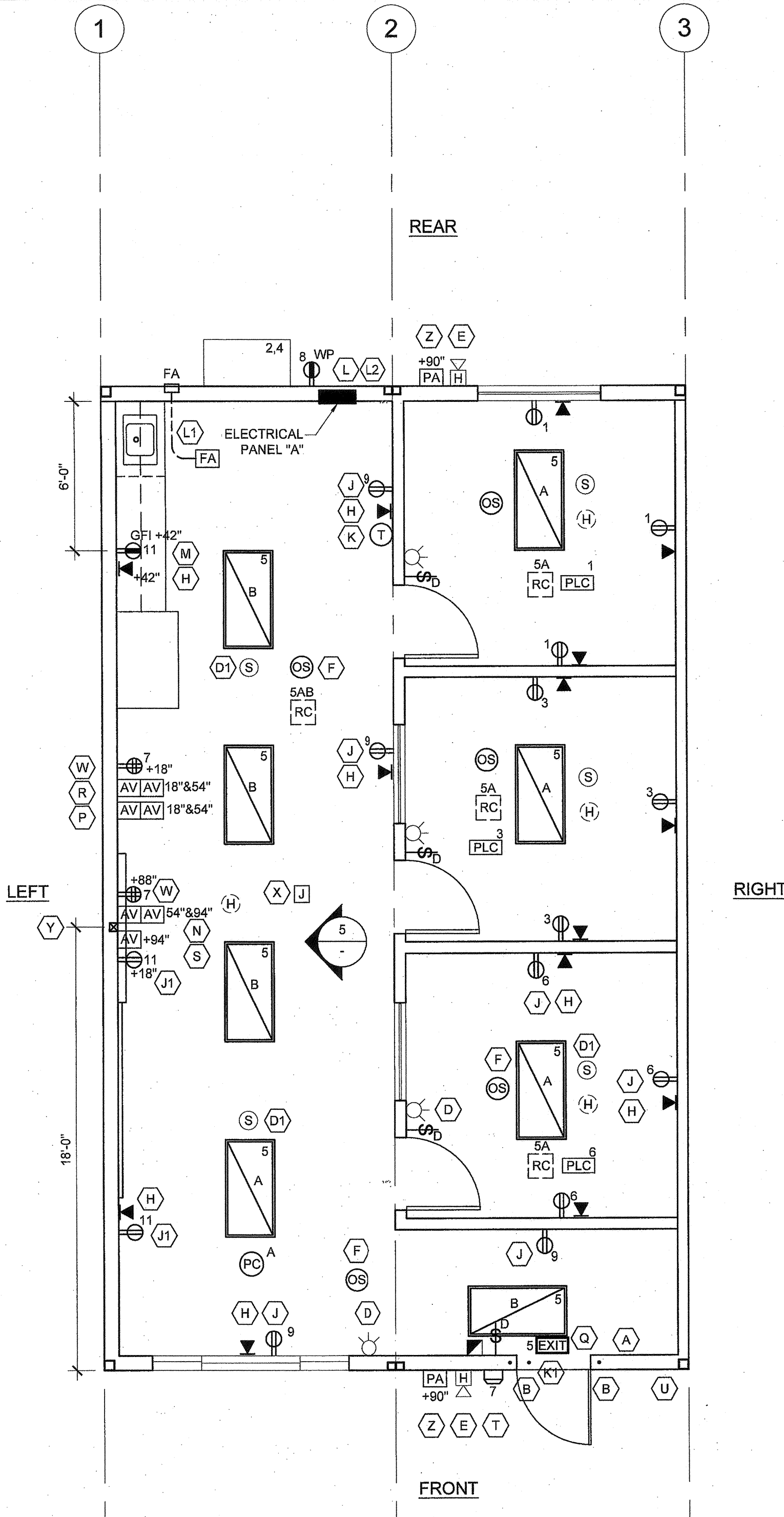
5



DOOR CONDUIT DETAIL

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

6



ELECTRICAL PLAN

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

3

PANEL: A S/N:	PHASE:		VOLTS: 120/208	BUSS: 200 AMP		MAIN: 200 AMP		LOCATION: INTERIOR		FEED: REAR		MOUNTING: RECESSED									
	WATT NO. PER OF	LCL		WATTS A B		BRK	POLE	SIZE #12	NO. OF X	WIRE #12	NO. OF X	WIRE #12	POLE	BRK	A	B	LCL	OF WATT PER	OBJECT DESCRIPTION		
RECEPTS	180	3		540		20	1	#12	1	X	2	#6	2	60	6032			1	6032	4 TON HP	
RECEPTS	180	3			540		20	1	#12	3	X	4	#6	/	/	6032		1	6032	4 TON HP	
INT. LIGHTS	56	8	x	448		20	1	#12	5	X	6	#12	1	20	540			3	180	RECEPTS	
QUAD RECEPTS	360	2			720		20	1	#12	7	X	8	#12	1	20		180	1	180	EXT RECEPT	
RECEPTS	180	4		720		20	1	#12	9	X	10	#12	1	20	150			1	150	FIRE ALARM	
RECEPTS	180	3			540		20	1	#12	11	X	12	#12	1	20		30	x	1	30	EXT. LIGHT
				0					13	X		14			0						
					0				15	X		16			0						
					0				17	X		18			0						
					0				19	X		20									
LEG TOTALS				1708	1800										6722	6242	LEG TOTALS				
LCL=119.5+16472=16591.5																					
TOTAL WATTS=16591.5				LEG BALANCE = 2.4%																	
				TOTAL AMPS: 79.77																	

ELECTRICAL PANEL

KEYNOTES

- NOTE:
- SEE SHEET E-1.01 FOR ADDITIONAL NOTES AND LEGENDS NOT SHOWN HERE.
  - PROVIDE STAINLESS STEEL COVER PLATES FOR RECEPTACLES AND DATA OUTLETS.

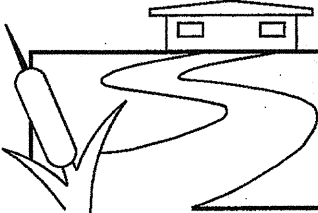
2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE  
WITH DIMMING, ORACLE OT-LED SERIES MODEL #  
OT-LED-6000L-DIM10-MVOLT-40K-85-A12  
WATTAGE: 56 WATTS

- WALLPACK LIGHT FIXTURE 'RAB LIGHTING' SLIM 18 W/ PHOTOCELL
- QUADPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3  
WIRE. MOUNT AT 18" AFF U.O.N. TO CENTERLINE OF DEVICE
- 4S J-BOX (DATA OUTLET) W/ 3/4" CONDUIT STUBBED ABOVE CEILING
- WATTSTOPPER #LMPL-101 PLUG LOAD CONTROLLER  
INSTALLED ABOVE CEILING. 1/2 OF DUPLEX RECEPTACLE  
WITHIN ROOM CONTROLLED BY ROOM OCCUPANCY  
SENSOR. OCCURS AT OFFICE AREA ONLY.
- 4S BOX WITH 1" CONDUIT INTO ATTIC SPACE TO 4S DEEP BOX FOR  
FIRE ALARM CABLE
- DOUBLE OR SINGLE GANG DEEP MUD RING. HEIGHT PER PLAN.  
PROVIDE 2" CONDUIT ANCHORED TO FRAMING BETWEEN MUD RINGS  
AND 2" CONDUIT FROM TOP MUD RING TO ABOVE CEILING. NO HARD  
CONNECTIONS AT MUD RINGS. PROVIDE PULL STRING.
- 4S J-BOX W/ 3/4" CONDUIT TO ATTIC (EXTERIOR PA SYSTEM SPEAKER)  
INSTALL AT +90" A.F.F.

ELECTRICAL LEGEND

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE  
NEXT GENERATION"

SILVER  
CREEK

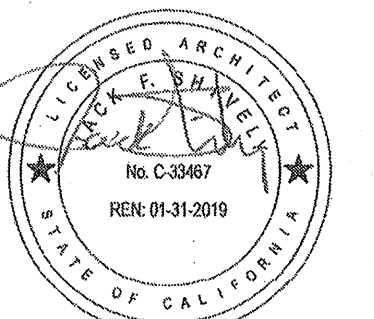
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

PROJECT SPECIFIC  
ELECTRICAL PLAN



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118918  
ACS ☒ FLS ☒ SS ☒  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04116284  
ACS ☒ FLS ☒ SS ☒  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL

REVISIONS

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE  
THE PROPERTY OF SILVERCREEK INDUSTRIES, INC. (SCI Inc) AND  
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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

SILVER CREEK INDUSTRIES

PROJECT NO: 10914

DRAWN BY:

SCALE: AS NOTED

DATE: 04-20-17

SHEET NUMBER

E-1.01N



# MODULAR CLASSROOM BUILDINGS

## BUILDING SIZE: 24' X 40'

## EXPANDABLE TO 120' X 40'

2:12 ROOF SLOPE

PC 04-114102

BY  
**SILVER CREEK INDUSTRIES, INC.**  
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571  
PHONE : (951) 943-5393 FAX : (951) 943-2211

### GENERAL NOTES

1. FIRE ALARM IS NOT PART OF THIS APPROVAL
2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2013 CBC 705.3
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING
5. FOR SOIL TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS
6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES
8. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2013 CBC.
9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1406.
10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
13. WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION
14. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.

### BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E: 24' - 120' x 40' BUILDINGS (LECTURE CLASSROOM)
TYPE OF CONSTRUCTION:	VB
FLOOR LIVE LOAD:	<input type="checkbox"/> 50 PSF <input type="checkbox"/> 50+15 PSF PARTITION LOAD <input checked="" type="checkbox"/> 100 PSF <input type="checkbox"/> 150 PSF
ROOF LIVE LOAD:	<input checked="" type="checkbox"/> 20 PSF <input type="checkbox"/> 40 PSF SNOW LOAD
FLOOR DEAD LOAD:	<input checked="" type="checkbox"/> WOOD FLOOR - 8 PSF <input type="checkbox"/> CONC FLOOR - 33 PSF
ROOF DEAD LOAD:	17 PSF (INCLUDING SPRINKLER LOAD)
RAMP LIVE LOAD:	100 PSF
BUILDING AREA: (AREA WITHOUT OVERHANGS / AREA WITH OVERHANGS)	<input checked="" type="checkbox"/> 24'x40' BLDG - 960 SF/1140 SF <input type="checkbox"/> 36'x40' BLDG - 1440 SF/1710 SF <input type="checkbox"/> 48'x40' BLDG - 1920 SF/2280 SF <input type="checkbox"/> 60'x40' BLDG - 2400 SF/2860 SF <input type="checkbox"/> 72'x40' BLDG - 2880 SF/3420 SF <input type="checkbox"/> 84'x40' BLDG - 3360 SF/3960 SF <input type="checkbox"/> 96'x40' BLDG - 3840 SF/4560 SF <input type="checkbox"/> 108'x40' BLDG - 4320 SF/5130 SF <input type="checkbox"/> 120'x40' BLDG - 4800 SF/5700 SF
ALLOWABLE AREA = 9000 SF	
FOUNDATION:	<input checked="" type="checkbox"/> WOOD <input type="checkbox"/> CONCRETE
CEC CLIMATE ZONES:	1- 16

### WIND DESIGN DATA SECTION 1603A.1.4

1. BASIC WIND SPEED, 3 SEC GUST (MPH) :		V <sub>ult</sub> =120 MPH/V <sub>std</sub> =100 MPH/K <sub>zt</sub> = 1.0*	
2. RISK CATEGORY :		II	
3. WIND EXPOSURE :		"C"	
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT :		± 0.18	
5. COMPONENTS AND CLADDING : (STRENGTH LEVEL, PSF)			
ZONE 1 =	38.5	ZONE 4 =	38.1
ZONE 2 =	64.5	ZONE 5 =	46.9
ZONE 3 =	97.1		

### EARTHQUAKE DESIGN DATA SECTION 1603A.1.5

1. SEISMIC IMPORTANCE FACTOR :	1
2. MAPPED SPECTRAL RESPONSE :	
$S_s = 1.875$ (FOR BASE SHEAR)	$S_1 = 0.675$
$S_a = 2.14$ (FOR ARCHITECTURAL COMPONENTS)	
3. SITE CLASS	D
4. SPECTRAL RESPONSE COEFFICIENTS :	
$S_{DS} = 1.0$	$S_{D1} = 0.675$
5. SEISMIC DESIGN CATEGORY :	D
6. BASIC SEISMIC-FORCE-RESISTING-SYSTEM :	STEEL OMF

### SNOW DESIGN DATA SECTION 1603A.1.3

1. GROUND SNOW LOAD	P <sub>g</sub> = 40 PSF
2. FLAT ROOF SNOW LOAD	P <sub>f</sub> = 28 PSF
3. SNOW EXPOSURE FACTOR	C <sub>e</sub> = 1.0
4. SNOW LOAD IMPORTANCE FACTOR	I = 1.0
5. THERMAL FACTOR	C <sub>t</sub> = 1.0

### APPLICABLE STANDARDS

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS (CALIF AMENDED) 2013 EDITION  
NFPA 72 NAT. FIRE ALARM CODE (CALIF. AMENDED) 2013 EDITION  
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

### APPLICABLE CODES

#### LIST OF 2013 CALIFORNIA CODE OF REGULATIONS

2013 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.  
2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.  
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)  
2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.  
(2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)  
2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.  
(2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)  
2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.  
(2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)  
2013 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.  
2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.  
(2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)  
2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.  
2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.  
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.  
2007 ASME A17.1 (w/A17.1a/CSA B44a-08 ADDENDA) SAFETY CODE FOR ELEVATORS AND ESCALATORS

### SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
A-0B	T & I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'
A-0.5A	ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE
A-0.5B	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE
A-0.5C	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE
A-0.6A	ENERGY CALC'S - ELC FORMS - 24' x 40' BUILDINGS
A-0.6B	ENERGY CALC'S - LTO / MCH FORMS - 24' x 40' BUILDINGS
A-0.6C	ENERGY CALC'S - LTI FORMS - 24' x 40' BUILDINGS
A-0.6D	ENERGY CALC'S - ELC FORMS - 120' x 40' BUILDINGS
A-0.6E	ENERGY CALC'S - LTO / MCH FORMS - 120' x 40' BUILDINGS
A-0.6F	ENERGY CALC'S - LTI FORMS - 120' x 40' BUILDINGS
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS

A-1.01	FLOOR PLAN - 24' x 40'
A-1.02	FLOOR PLAN - 24' x 40'
A-1.03	FLOOR PLAN - 40' TO 120' x 40'
A-1.04	OPTIONAL 48' x 40' TOILET MODULE PLUMBING & ELEVATIONS
A-1.05	OPTIONAL 48' x 40' TOILET MODULE PLUMBING & ELEVATIONS
A-1.06	OPTIONAL 24' x 40' TOILET BUILDING PLUMBING & ELEVATIONS
A-1.07	OPTIONAL 24' x 40' TOILET BUILDING PLUMBING & ELEVATIONS

A-2.01	REFLECTED CEILING PLAN - 24' x 40'
A-2.02	REFLECTED CEILING PLAN - 24' x 40'
A-2.03	REFLECTED CEILING PLAN - 40' TO 120' x 40'
A-2.11	REFLECTED CEILING PLAN - 24' x 40' - VAULTED CEILING
A-2.12	REFLECTED CEILING PLAN - 24' x 40' - VAULTED CEILING
A-2.13	REFLECTED CEILING PLAN - 40' TO 120' x 40' - VAULTED CEILING
A-2.20	CEILING DETAILS - T GRID
A-2.21	CEILING DETAILS - HARD UP

A-3.01	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 24' x 40'
A-3.02	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 24' x 40'
A-3.03	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 40' TO 120' x 40'
A-3.11	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 24' x 40'
A-3.12	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 24' x 40'
A-3.13	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 40' TO 120' x 40'

A-3.21	ROOF PLAN - BUILT UP ROOF - DUAL SLOPE - 24' x 40'
A-3.22	ROOF PLAN - BUILT UP ROOF - DUAL SLOPE - 24' x 40'
A-3.23	ROOF PLAN - BUILT UP ROOF - DUAL SLOPE - 40' TO 120' x 40'
A-3.31	ROOF PLAN - TPO - DUAL SLOPE - 24' x 40'
A-3.32	ROOF PLAN - TPO - DUAL SLOPE - 24' x 40'
A-3.33	ROOF PLAN - TPO - DUAL SLOPE - 40' TO 120' x 40'

A-3.50	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK
A-3.51	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK
A-3.52	ROOF DETAILS - BUILT UP ROOF
A-3.53	ROOF DETAILS - TPO ROOF
A-4.01	EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 40'
A-4.02	EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 40'
A-4.03	EXTERIOR ELEVATIONS - DUAL SLOPE - 40' TO 120' x 40'

A-5.02	CROSS SECTION - DUAL SLOPE - 0.018", B.U., OR TPO ROOF DECK
A-5.03	CROSS SECTION - DUAL SLOPE - 0.018" ROOF DECK
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
A-5.51	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER
A-5.52	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 4 HOUR RATED
A-5.53	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 4 HOUR RATED
A-5.54	ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING
A-5.55	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER
A-5.56	ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 4 HOUR RATED
A-5.57	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 4 HOUR RATED
A-5.70	ARCHITECTURAL DETAILS - 4 HOUR RATED OPTIONS

A-5.80	ARCHITECTURAL DETAILS - FLOOR
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - 24' x 40'
A-6.02	INTERIOR ELEVATIONS - 24' x 40'
A-6.03	INTERIOR ELEVATIONS - 40' TO 120' x 40'

A-6.01	INTERIOR ELEVATIONS - 24' x 40'
A-6.02	INTERIOR ELEVATIONS - 24' x 40'
A-6.03	INTERIOR ELEVATIONS - 40' TO 120' x 40'

SHT NO.	FOUNDATION
F-0.01	WOOD FOUNDATION PLAN - 24' x 40' (60 PSF)
F-0.02	WOOD FOUNDATION PLAN - 24' x 40' (60 PSF)
F-0.03	WOOD FOUNDATION PLAN - 24' x 40' (60 PSF)
F-0.04	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
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F-0.88	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.89	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.90	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.91	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.92	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.93	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.94	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.95	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.96	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.97	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.98	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-0.99	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.00	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.01	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.02	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.03	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.04	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.05	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.06	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.07	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.08	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.09	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.10	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.11	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.12	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.13	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.14	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.15	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.16	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.17	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.18	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.19	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.20	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.21	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.22	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.23	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.24	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.25	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.26	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.27	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.28	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.29	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.30	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.31	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.32	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.33	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.34	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.35	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.36	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.37	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.38	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.39	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.40	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.41	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.42	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.43	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.44	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.45	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
F-1.46	WOOD FOUNDATION PLAN - 24' x 40' (1



DSA-103 rev 12/2013  
Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # \_\_\_\_\_ DSA File No.: \_\_\_\_\_  
Application No.: \_\_\_\_\_  
Date Submitted: \_\_\_\_\_ Revised: \_\_\_\_\_  
Revised: \_\_\_\_\_

School Name: \_\_\_\_\_ District: \_\_\_\_\_

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, and/or non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
-	<b>SOILS</b>			
-	1. GENERAL: Table 1705A.6			
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	2. COMPACTED FILLS: Table 1705A.6			
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
-	<b>CONCRETE</b>			
-	7. CAST IN PLACE CONCRETE Table 1705A.3			
-	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ASTM C318 Section 5.6 and 19.5A.1.2 (1913.3.1+), ASTM C39.
-	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3 item 2	Periodic	SI	1705A.3.3, item 2
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
-	<b>POST-INSTALLED ANCHORS:</b>			
X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1913A.7 (1913.2.11+).
-	<b>MASONRY</b> TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3			
-	<b>STEEL</b> Table 1705A.2.1			
-	<b>17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES</b>			
-	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+), ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
-	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	<b>19. WELDING:</b> DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).			
-	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	<b>19.1 SHOP WELDING:</b>			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds > 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
-	<b>19.2 FIELD WELDING:</b> 1, 2			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	b. <del>Inspect Single Pass Fillet Welds &gt; 5/16"</del>	Periodic	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3, 1705A.2.2.1 and 1705A.2.2.5
-	<b>20. NONDESTRUCTIVE TESTING:</b> 3			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2, AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A, - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
-	<b>23. OTHER STEEL:</b>			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
X	b. SHOP WELD, INSPECT WELDING OF STEEL FLOOR DECK WELDS	Periodic	SI	

SUMMARY

1. Soils testing and inspection: Geotechnical Verified Report - Form DSA-293
2. All Structural Testing: Laboratory Verified Report - Form DSA-291
3. Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292
4. Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
5. Field Welding Inspection: Special Inspection Verified Report - Form DSA-292
6. Steel Joist Fabrication Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:  
THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY. SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.02 AND S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)  
CONCRETE FLOOR - CONCRETE FOUNDATION

DSA-103 rev 12/2013  
Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # \_\_\_\_\_ DSA File No.: \_\_\_\_\_  
Application No.: \_\_\_\_\_  
Date Submitted: \_\_\_\_\_ Revised: \_\_\_\_\_  
Revised: \_\_\_\_\_

School Name: \_\_\_\_\_ District: \_\_\_\_\_

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, and/or non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
-	<b>SOILS</b>			
-	1. GENERAL: Table 1705A.6			
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	2. COMPACTED FILLS: Table 1705A.6			
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
-	<b>CONCRETE</b>			
-	7. CAST IN PLACE CONCRETE Table 1705A.3			
-	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ASTM C318 Section 5.6 and 19.5A.1.2 (1913.3.1+), ASTM C39.
-	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3 item 2	Periodic	SI	1705A.3.3, item 2
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
-	<b>POST-INSTALLED ANCHORS:</b>			
X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1913A.7 (1913.2.11+).
-	<b>MASONRY</b> TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3			
-	<b>STEEL</b> Table 1705A.2.1			
-	<b>17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES</b>			
-	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+), ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
-	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	<b>19. WELDING:</b> DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).			
-	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	<b>19.1 SHOP WELDING:</b>			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds > 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
-	<b>19.2 FIELD WELDING:</b> 1, 2			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	b. <del>Inspect Single Pass Fillet Welds &gt; 5/16"</del>	Periodic	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3, 1705A.2.2.1 and 1705A.2.2.5
-	<b>20. NONDESTRUCTIVE TESTING:</b> 3			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2, AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A, - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
-	<b>23. OTHER STEEL:</b>			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
X	b. SHOP WELD, INSPECT WELDING OF STEEL FLOOR DECK WELDS	Periodic	SI	

SUMMARY

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NOTE:  
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FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY. SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.02 AND S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)  
PLYWOOD FLOOR - CONCRETE FOUNDATION

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.

DSA-103 rev 12/2013  
Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # \_\_\_\_\_ DSA File No.: \_\_\_\_\_  
Application No.: \_\_\_\_\_  
Date Submitted: \_\_\_\_\_ Revised: \_\_\_\_\_  
Revised: \_\_\_\_\_

School Name: \_\_\_\_\_ District: \_\_\_\_\_

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, and/or non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
+	<b>SOILS</b>			
+	<b>CONCRETE</b> Table 1705A.3			
+	<b>MASONRY</b> TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3			
+	<b>STEEL</b> Table 1705A.2.1			
-	<b>17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES</b>			
-	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+), ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
-	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	<b>19. WELDING:</b> DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).			
-	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	<b>19.1 SHOP WELDING:</b>			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds > 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
-	<b>19.2 FIELD WELDING:</b> 1, 2			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	b. <del>Inspect Single Pass Fillet Welds &gt; 5/16"</del>	Periodic	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3, 1705A.2.2.1 and 1705A.2.2.5
-	<b>20. NONDESTRUCTIVE TESTING:</b> 3			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2, AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A, - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
-	<b>23. OTHER STEEL:</b>			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
X	b. SHOP WELD, INSPECT WELDING OF STEEL FLOOR DECK WELDS	Periodic	SI	
+	<b>WOOD</b>			
+	<b>OTHER</b>			

SUMMARY

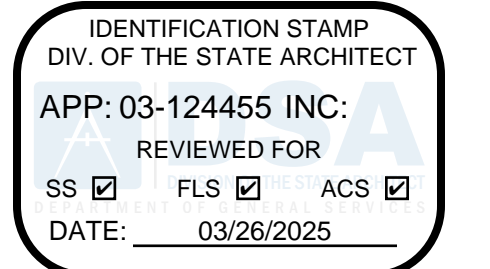
1. All Structural Testing: Laboratory Verified Report - Form DSA-291
2. Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
3. Field Welding Inspection: Special Inspection Verified Report - Form DSA-292
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NOTE:  
THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

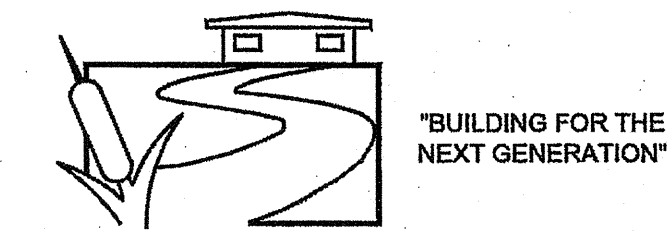
FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. NOT USED.
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.02 AND S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)  
PLYWOOD FLOOR - WOOD FOUNDATION



SILVER CREEK INDUSTRIES, INC.



SILVER CREEK

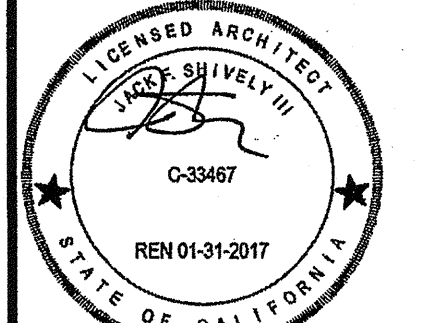
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

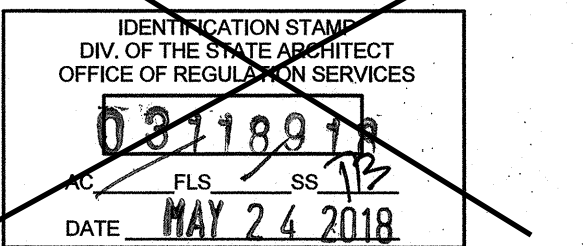
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

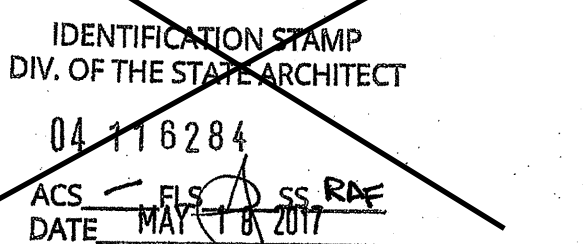
T & I FORMS



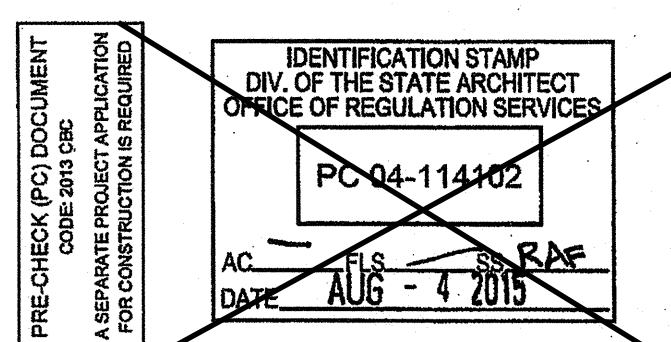
AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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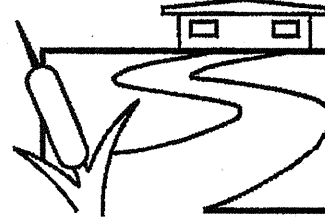
SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH  
PROJECT NO.:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER

A-0A



BUILDING SECTION				SHEET NUMBER				EXTERIOR ELEVATION				SHEET NUMBER				GENERAL ARCHITECTURAL SHEETS				SHEET NUMBER							
BUILDING SECTION: <input type="checkbox"/> DUAL SLOPE ROOF <input checked="" type="checkbox"/> 0.030" DUAL SLOPE ROOF				S-3.02 S-3.04				EXTERIOR ELEVATIONS: <input checked="" type="checkbox"/> 24' x 40' EXTERIOR ELEVATIONS: <input type="checkbox"/> 36' x 40' EXTERIOR ELEVATIONS: <input type="checkbox"/> 48' TO 120' x 40'				A-4.01 A-4.03 A-4.05				COVER SHEET: A-0 T & I FORMS: A-0A <del>T &amp; I FORMS: A-0B</del> BUILDING OPTIONS SCHEDULE SHEET: A-0.0 SYMBOLS, LEGEND, ABBREVIATION, ADA SIGNAGE SHEET: A-0.1 SCHEDULE SHEET: A-0.2 KEY PLAN: 24' TO 120' x 40' A-0.3 ENERGY CALCS: A-0.5(A-C) ENERGY CALCS: A-0.6(A-F) DESIGN ENERGY VALUES BY ZONE AND CALGREEN SPECIFICATIONS: A-0.7											
WALL FRAMING				SHEET NUMBER				CROSS SECTIONS				SHEET NUMBER				FLOOR PLANS				SHEET NUMBER							
FRAMING ELEVATIONS: <input checked="" type="checkbox"/> WOOD STUDS S-5.00 <input type="checkbox"/> STEEL STUDS S-5.20				FRAMING DETAILS: <input checked="" type="checkbox"/> WOOD STUDS S-5.10 <input checked="" type="checkbox"/> WOOD STUDS S-5.11 <input checked="" type="checkbox"/> WOOD STUDS WALL FRAMING OPENING SCHEDULE S-5.12 <input type="checkbox"/> STEEL STUDS S-5.30 <input type="checkbox"/> STEEL STUDS S-5.31				CROSS SECTIONS: <input checked="" type="checkbox"/> DUAL SLOPE - 0.040" BUILT UP, OR TPO ROOF DECK A-5.02 <input type="checkbox"/> DUAL SLOPE - 0.030" ROOF DECK A-5.04 CROSS SECTION A-5.05				ARCHITECTURAL DETAILS: <input checked="" type="checkbox"/> WOOD STUDS A-5.50 <input type="checkbox"/> EXTERIOR WOOD SIDING A-5.51 <input type="checkbox"/> EXTERIOR PLASTER FINISH A-5.52 <input type="checkbox"/> EXTERIOR WOOD SIDING - 1 HOUR RATED A-5.52 <input type="checkbox"/> EXTERIOR PLASTER FINISH - 1 HOUR RATED A-5.53				FLOOR PLANS: <input checked="" type="checkbox"/> FLOOR PLAN - 24' x 40' A-1.01 <input type="checkbox"/> FLOOR PLAN - 36' x 40' A-1.02 <input type="checkbox"/> FLOOR PLAN - 48' TO 120' x 40' A-1.03 <input type="checkbox"/> OPTIONAL RESTROOM END MODULE - PLANS & ELEVATIONS A-1.04 <input type="checkbox"/> OPTIONAL RESTROOM END MODULE - PLUMBING SHEET A-1.05 <input type="checkbox"/> TOILET BUILDING 24x40 - PLANS & ELEVATIONS A-1.06 <input type="checkbox"/> TOILET BUILDING 24x40 - PLUMBING SHEET A-1.07											
PLUMBING				SHEET NUMBER				ARCHITECTURAL DETAILS				SHEET NUMBER				CEILING				SHEET NUMBER							
<input checked="" type="checkbox"/> PLUMBING DETAILS AND SCHEDULES P-1.01				MECHANICAL: <input checked="" type="checkbox"/> MECHANICAL NOTES, SCHEDULES, AND DETAILS: M-0.1				WALL DETAILS: <input type="checkbox"/> STEEL STUDS A-5.60 <input type="checkbox"/> EXTERIOR WOOD SIDING A-5.61 <input type="checkbox"/> EXTERIOR PLASTER FINISH A-5.62 <input type="checkbox"/> EXTERIOR WOOD SIDING - 1 HOUR RATED A-5.62 <input type="checkbox"/> EXTERIOR PLASTER FINISH - 1 HOUR RATED A-5.63 <input type="checkbox"/> 1-HOUR RATED OPTIONS A-5.64 FLOOR DETAILS: A-5.70				FLOOR DETAILS: A-5.70				REFLECTED CEILING PLANS: <input type="checkbox"/> 24' x 40' A-2.01 <input type="checkbox"/> 36' x 40' A-2.02 <input type="checkbox"/> 48' TO 120' x 40' A-2.03 <input checked="" type="checkbox"/> 24' x 40' VAULTED CEILING A-2.11 <input type="checkbox"/> 36' x 40' VAULTED CEILING A-2.12 <input type="checkbox"/> 48' TO 120' x 40' VAULTED CEILING A-2.13 CEILING DETAILS: T GRID A-2.20 <input type="checkbox"/> HARD LID A-2.21											
MECHANICAL				SHEET NUMBER				MISCELLANEOUS DETAILS				SHEET NUMBER				ROOF PLAN				SHEET NUMBER							
<input checked="" type="checkbox"/> 24' x 40' - WALL MOUNT <input checked="" type="checkbox"/> 4 LIGHT CONFIGURATION M-1.01				<input type="checkbox"/> 36' x 40' - WALL MOUNT <input type="checkbox"/> 4 LIGHT CONFIGURATION M-1.02				<input type="checkbox"/> 48' TO 120' x 40' - WALL MOUNT <input type="checkbox"/> 4 LIGHT CONFIGURATION M-1.03				<input type="checkbox"/> 24' x 40' - ROOF MOUNT <input type="checkbox"/> 4 LIGHT CONFIGURATION M-2.01				CEILING DETAILS: A-2.20 A-2.21											
<input type="checkbox"/> 24' x 40' MECHANICAL ROOF PLAN M-2.02				<input type="checkbox"/> 36' x 40' - ROOF MOUNT <input type="checkbox"/> 4 LIGHT CONFIGURATION M-3.01				<input type="checkbox"/> 48' TO 120' x 40' - ROOF MOUNT <input type="checkbox"/> 4 LIGHT CONFIGURATION M-4.01				<input type="checkbox"/> 24' x 40' MECHANICAL ROOF PLAN M-3.02				ROOF PLANS: <input checked="" type="checkbox"/> 24' x 40' A-3.01 <input type="checkbox"/> 36' x 40' A-3.02 <input type="checkbox"/> 48' TO 120' x 40' A-3.04											
<input type="checkbox"/> 36' x 40' MECHANICAL ROOF PLAN M-3.02				<input type="checkbox"/> 48' TO 120' x 40' - ROOF MOUNT <input type="checkbox"/> 4 LIGHT CONFIGURATION M-4.01				<input type="checkbox"/> 24' x 40' MECHANICAL ROOF PLAN M-2.02				<input type="checkbox"/> 36' x 40' - ROOF MOUNT <input type="checkbox"/> 4 LIGHT CONFIGURATION M-3.01				ROOF DETAILS: <input checked="" type="checkbox"/> 0.040" STANDING SEAM ROOF DECK A-3.50 <input type="checkbox"/> 0.030" STANDING SEAM ROOF DECK A-3.60 <input type="checkbox"/> 0.030" STANDING SEAM ROOF DECK A-3.61 <input type="checkbox"/> BUILT UP ROOF A-3.70 <input type="checkbox"/> TPO ROOF A-3.90											
ELECTRICAL				SHEET NUMBER				INTERIOR ELEVATIONS				SHEET NUMBER															
ELECTRICAL PLAN: <input checked="" type="checkbox"/> 24' x 40' <input checked="" type="checkbox"/> 4 LIGHT CONFIGURATION E-1.01				<input type="checkbox"/> 36' x 40' <input type="checkbox"/> 4 LIGHT CONFIGURATION E-1.02				<input type="checkbox"/> 48' TO 120' x 40' <input type="checkbox"/> 4 LIGHT CONFIGURATION E-1.03				FOUNDATIONS: <input checked="" type="checkbox"/> WOOD FOUNDATION PLAN F-0.01 <input type="checkbox"/> 24' x 40' (50 PSF) F-0.02 <input type="checkbox"/> 24' x 40' (50+15 PSF) F-0.02 <input checked="" type="checkbox"/> 24' x 40' (100 PSF) F-0.03 <input type="checkbox"/> 24' x 40' (150 PSF) F-0.04 <input type="checkbox"/> 36' x 40' (50 PSF) F-0.11 <input type="checkbox"/> 36' x 40' (50+15 PSF) F-0.12 <input type="checkbox"/> 36' x 40' (100 PSF) F-0.13 <input type="checkbox"/> 36' x 40' (150 PSF) F-0.14 <input type="checkbox"/> 48' x 40' (50 PSF) F-0.21 <input type="checkbox"/> 48' x 40' (50+15 PSF) F-0.22 <input type="checkbox"/> 48' x 40' (100 PSF) F-0.23 <input type="checkbox"/> 48' x 40' (150 PSF) F-0.24 <input checked="" type="checkbox"/> WOOD FOUNDATION DETAILS: F-0.50 <input type="checkbox"/> CONCRETE FOUNDATION PLAN - ABOVE GRADE F-1.01 <input type="checkbox"/> WOOD FLOOR - (50, 50+15, 100, OR 150PSF) F-1.11 <input type="checkbox"/> CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF) F-1.50 <input type="checkbox"/> CONCRETE FOUNDATION DETAILS - ABOVE GRADE: F-1.50 <input type="checkbox"/> CONCRETE FOUNDATION PLAN - BELOW GRADE F-2.01 <input type="checkbox"/> WOOD FLOOR - (50, 50+15, 100, OR 150PSF) F-2.11 <input type="checkbox"/> CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF) F-2.11 <input type="checkbox"/> CONCRETE FOUNDATION DETAILS - BELOW GRADE: F-2.50 <input type="checkbox"/> FOUNDATION DETAILS - CONCRETE F-2.51				GENERAL STRUCTURAL SHEETS: S-0.1				FLOOR FRAMING PLANS: S-1.01 S-1.11 S-1.50 S-1.60				ROOF FRAMING PLANS: S-2.11 S-2.12 S-2.13 S-2.14 S-2.51 S-2.60			
RAMP				SHEET NUMBER				FOUNDATIONS				SHEET NUMBER															
RAMP PLANS: <input checked="" type="checkbox"/> STANDARD RAMP PLAN R-1.01 <input type="checkbox"/> OFFSET RAMP PLAN R-1.02 <input type="checkbox"/> RAMP LANDING R-1.03 <input type="checkbox"/> STANDARD LANDING WITH STEPS R-1.04 <input type="checkbox"/> SWITCHBACK RAMP PLAN R-1.05 <input checked="" type="checkbox"/> RAMP DETAILS R-2.01 <input type="checkbox"/> CONCRETE RAMP R-3.01				BUILDING RELOCATABLE DETAILS: REL-101 REL-102				GENERAL STRUCTURAL SHEETS: S-0.1				FLOOR FRAMING PLANS: S-1.01 S-1.11 S-1.50 S-1.60				ROOF FRAMING PLANS: S-2.11 S-2.12 S-2.13 S-2.14 S-2.51 S-2.60											
BUILDING RELOCATABLE DETAILS				SHEET NUMBER				GENERAL STRUCTURAL SHEETS				SHEET NUMBER															
<input type="checkbox"/> BUILDING RELOCATION DETAILS REL-101				<input type="checkbox"/> BUILDING RELOCATION DETAILS REL-102				STRUCTURAL SPECS: S-0.1				FLOOR FRAMING PLANS: S-1.01 S-1.11 S-1.50 S-1.60				ROOF FRAMING PLANS: S-2.11 S-2.12 S-2.13 S-2.14 S-2.51 S-2.60											
FIRE SPRINKLERS				SHEET NUMBER																							
<input type="checkbox"/> FIRE SPRINKLER COVER SHEET FS-1				<input type="checkbox"/> FIRE SPRINKLER PLAN - 120'x40' BLDG. FS-2				<input type="checkbox"/> FIRE SPRINKLER PLAN - 120'x40' BLDG. W/ RESTROOM FS-3				<input type="checkbox"/> TYPICAL FIRE SPRINKLER DETAILS FS-4				<input type="checkbox"/> TYPICAL FIRE SPRINKLER PLANS - 96'x40', 108'x40' FS-5				<input type="checkbox"/> TYPICAL FIRE SPRINKLER PLANS - 48'x40', 60'x40', 72'x40', 84'x40' FS-6				<input type="checkbox"/> TYPICAL FIRE SPRINKLER PLANS - 24'x40', 36'x40', 12'x40' RESTROOM FS-7			

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
**SILVER CREEK**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE  
OFFICE BUILDING**

SHEET TITLE:  
**BUILDING OPTIONS  
SCHEDULE**

LICENSED ARCHITECT  
DANIEL SHUELYN  
C-33457  
REN 01-31-2017  
STATE OF CALIFORNIA

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-118918  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04-116284  
DATE MAY 18 2017  
ACS ☒ FLS ☒ SS ☒ RAE

ORIGINAL PC STATE AGENCY APPROVAL  
PRECHECK (PC) DOCUMENT  
CODE 0014 OR  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
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PC 04-114102  
DATE AUG - 4 2015  
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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
**A-0.0**

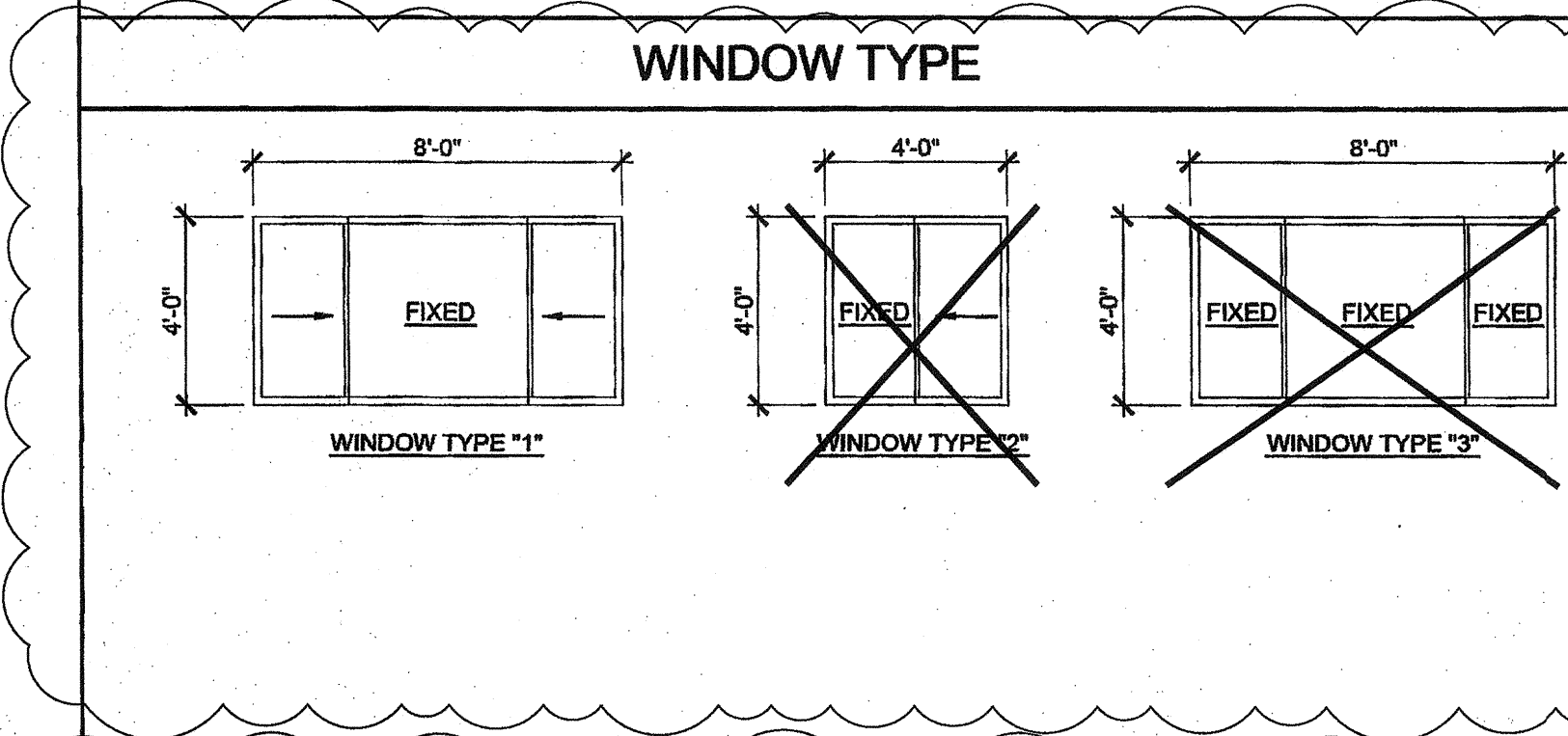






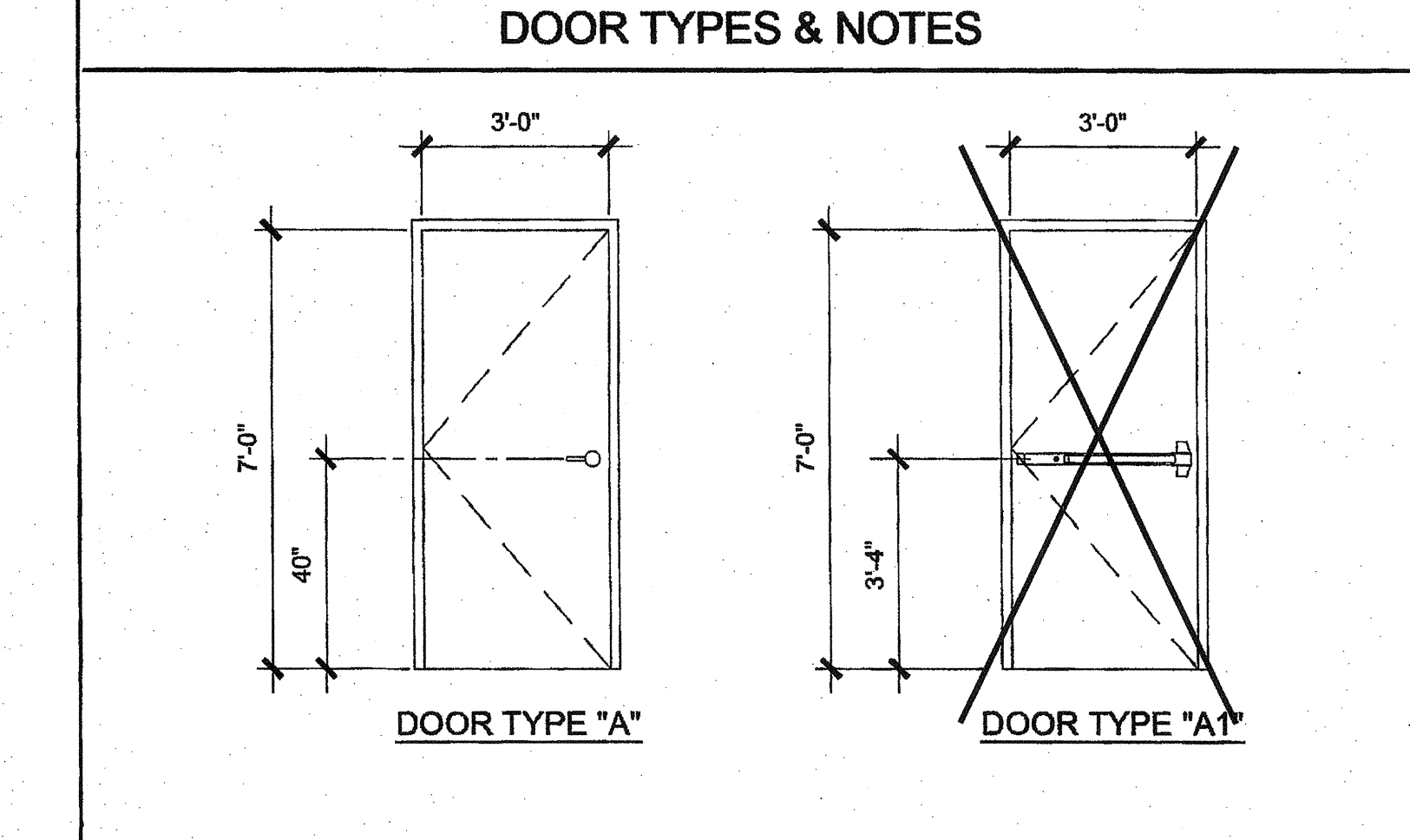
WINDOW SCHEDULE									
WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A	1	1	8'-0"	4'-0"	XOX	ANOD	DP		
B	2	2	4'-0"	4'-0"	XO	ANOD	DP		
C	3	3	8'-0"	4'-0"	FIXED	FRW	FRG		15 MIN. ASSEMBLY

WINDOW FINISH			
ANOD:	CLEAR ANODIZED ALUMINUM FRAME	DP:	3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD, ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .350 MAX, STC = 36 MIN.)
BRONZ:	BRONZE ANODIZED ALUMINUM FRAME		
PAINT:	PAINTED FRAME		
WF:	16GA WELDED FRAME		
FRW:	FIRE RATED WINDOW FRAME: MIN 0.048" THICK WELDED FRAME		
FRG:	FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION/TABLE 715.5		



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	5-1/4"	
2	3'-0"	7'-0"	A		HM	KD	HW-2	5-1/4"	
3	3'-0"	7'-0"	A		SCL	KD	HW-3	5-1/4"	
4	3'-0"	7'-0"	B		HM	KD	HW-4	4-7/8"	
5	3'-0"	7'-0"	B		HM	KD	HW-5	4-7/8"	NO CLOSER REQD.
6	3'-0"	7'-0"	C		HM	KD	HW-6	4-1/8"	

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 HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF. HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL TOOLS, 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. CBC 1008.1.10
- ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPEC'S ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 AND 1008.
- DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" 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 UNLATCHING FORCE SHALL NOT EXCEED 5LBS PER THE 2013 CBC
  - APPROVED BY AUTHORITY W/ JURISDICTION, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1008.1.10
- THE FIRE PROTECTION FOR EXTERIOR WALL IS DETERMINED BASED UPON THE FIRE SEPARATION DISTANCE IN WHICH THE WALL IS LOCATED. SEE CBC TABLE 705.8 OR TABLE 602

FINISH SCHEDULE									
ROOM NAME	FLOORING	WALL FINISH	CEILING						
CLASSROOM	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
CLASSROOM	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
TOILET	SV	6" TS	FRP	FRP	FRP	FRP	CP	8'-0"	

FLOOR, WALL, CEILING MATERIALS									
FLOORING	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								
VCT:	VINYL COMPOSITION TILE								
BASE									
4" TS:	4" TOP SET BASE								
6" TS:	6" TOP SET BASE								
SC:	6" SELF-COVE 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 COR.
  - 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 0.8 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 / UNOUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2013 CBC. CARPET EDGE SHALL COMPLY WITH THE 2013 CBC
  - INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MIN. CLASS "C" RATING. FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2013 CBC 803.

DOOR HARDWARE									
CLASSROOM -					EXTERIOR DOOR HW-1				
LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish	26D	or equal	EXIT DEVICE	VON DUPRIN AX98L-2-PA w/ SCHLAGE rim cylinder	Finish	Alum	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish	26D	or equal	BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish	26D	or equal
CLOSER	NORTON 8501 BFDA	Finish	689	or equal	CLOSER	NORTON 8501 BFDA	Finish	689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish	Alum	or equal	WEATHER STRIP	HAGER 891SAV 3684	Finish	Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal
DOOR W/ PANIC HARDWARE -					EXTERIOR DOOR HW-2				
EXIT DEVICE	VON DUPRIN AX98L-2-PA w/ SCHLAGE rim cylinder	Finish	Alum	or equal	EXIT DEVICE	VON DUPRIN AX98L-2-PA w/ SCHLAGE rim cylinder	Finish	Alum	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish	26D	or equal	BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish	26D	or equal
CLOSER	NORTON 8501 BFDA	Finish	689	or equal	CLOSER	NORTON 8501 BFDA	Finish	689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish	Alum	or equal	WEATHER STRIP	HAGER 891SAV 3684	Finish	Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal
STAFF RESTROOM / SINGLE OCCUPANCY -					INTERIOR DOOR HW-3				
LOCKSET	SCHLAGE ND40SRH0626 (cylindrical)	Finish	26D	or equal	LOCKSET	SCHLAGE ND40SRH0626 (cylindrical)	Finish	26D	or equal
BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish	26D	or equal	BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish	26D	or equal
BOYS & GIRLS RESTROOM -					EXTERIOR DOOR HW-4				
LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish	26D	or equal	LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish	26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	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	CLOSER	NORTON 8501 BFDA (OPTIONAL)	Finish	689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish	Alum	or equal	WEATHER STRIP	HAGER 891SAV 3684	Finish	Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal
LOUVER	ANEMO 24 x 12	Finish	Bronze	or equal	LOUVER	ANEMO 24 x 12	Finish	Bronze	or equal
STAFF RESTROOM -					EXTERIOR DOOR HW-5				
LOCKSET	SCHLAGE ND85PDRH0626 (cylindrical)	Finish	26D	or equal	LOCKSET	SCHLAGE ND85PDRH0626 (cylindrical)	Finish	26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	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	WEATHER STRIP	HAGER 891SAV 3684	Finish	Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish	Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish	Alum	or equal
LOUVER	ANEMO 24 x 12	Finish	Bronze	or equal	LOUVER	ANEMO 24 x 12	Finish	Bronze	or equal
PLUMBING CHASE DOOR -					INTERIOR DOOR HW-6				
LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish	26D	or equal	LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish	26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish	26D	or equal	BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish	26D	or equal

EMERGENCY EXIT AND PANIC HARDWARE:  
INDICATE ON PLANS AND/OR SPECIFICATIONS COMPLIANCE  
WITH SFM STANDARD 12-10-3, SECTION 12-10-302.  
(A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.  
(D) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

INSULATION SPECIFICATIONS

**MOISTURE PROTECTION INSULATION:**

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD.) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.2 & 720.3. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINITIES, OR EQUAL.

**INSULATION VALUES**  
SEE SHEETS A-0.6, A-0.7, A-0.8 FOR REQUIRED INSULATION VALUES PER CLIMATE ZONE

**EXTERIOR WALL INSULATION (MIN.)**  
☒ R-13 (2x4)  
☒ R-19 (2x6)  
☐ R-30 (2x8)

**INTERIOR WALL INSULATION (MIN.)**  
R-13

**FLOOR INSULATION (MIN.)**  
☐ NONE  
☐ R-13  
☒ R-19

**ROOF INSULATION (MIN.)**  
☐ R-19  
☒ R-30  
☐ R-36  
☐ R-19 BETWEEN JOISTS AND R-19 BELOW JOISTS

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**SCHEDULES**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118918  
AC ☒ FLS ☒ SS ☒  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04118284  
AC ☒ FLS ☒ SS ☒ RAC  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECK (PC) DOCUMENT  
CODE: 2013 CDE  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-14102  
AC ☒ FLS ☒ SS ☒ RAC  
DATE AUG 4 2015

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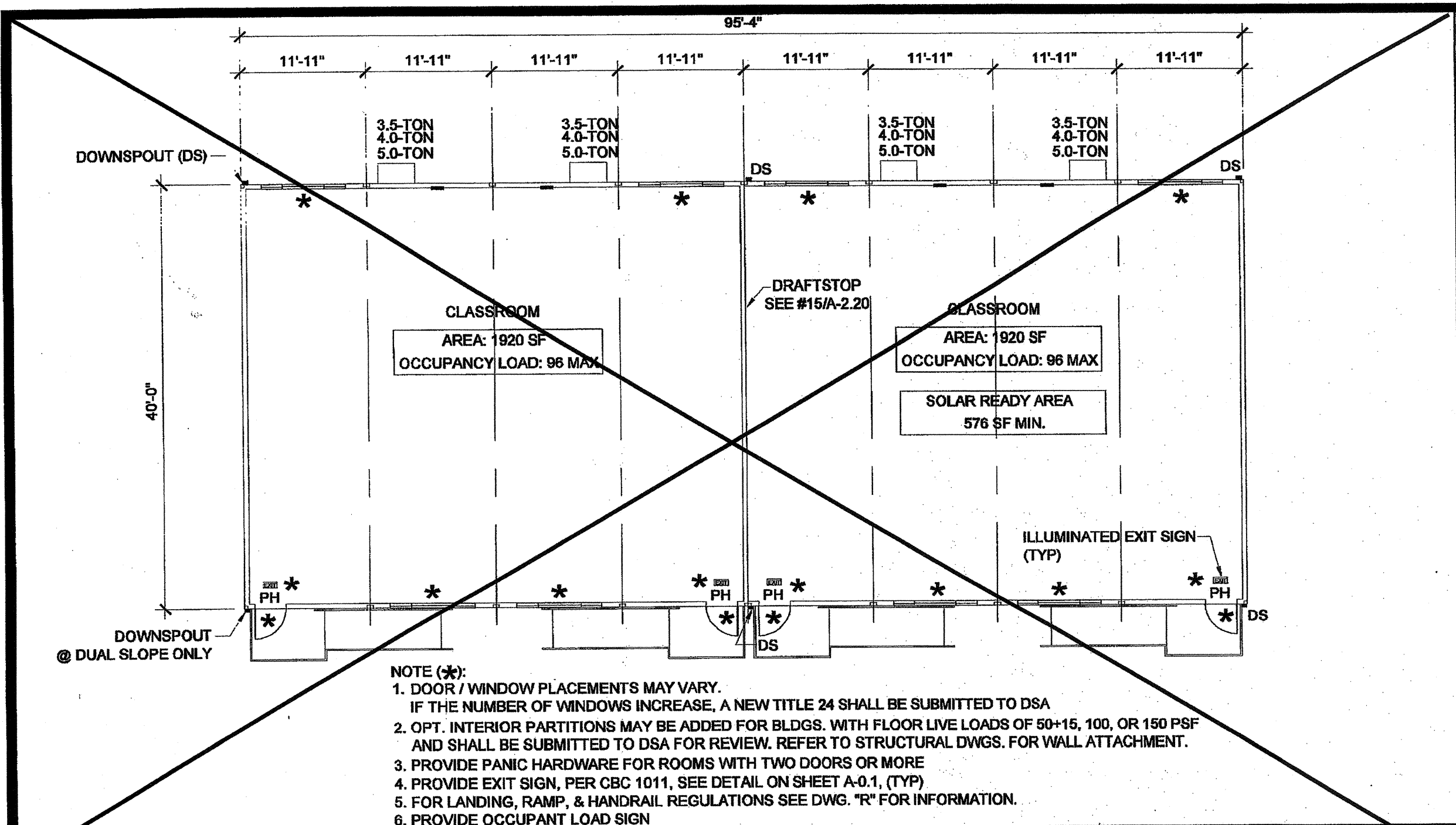
SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

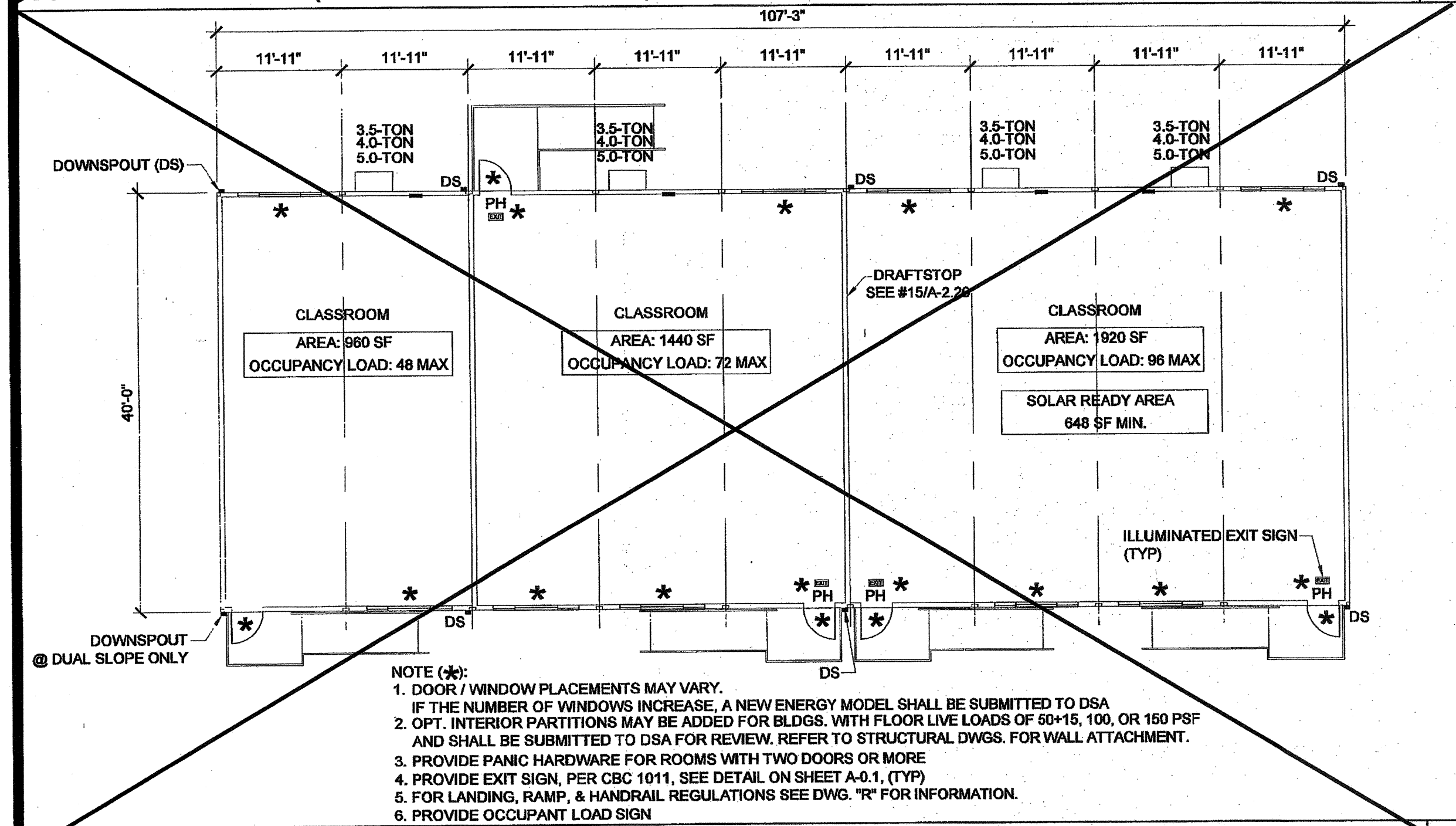
P.C. SHEET NUMBER  
**A-0.2**

REFER TO SHEET "A-0.2N" FOR PROJECT SPECIFIC

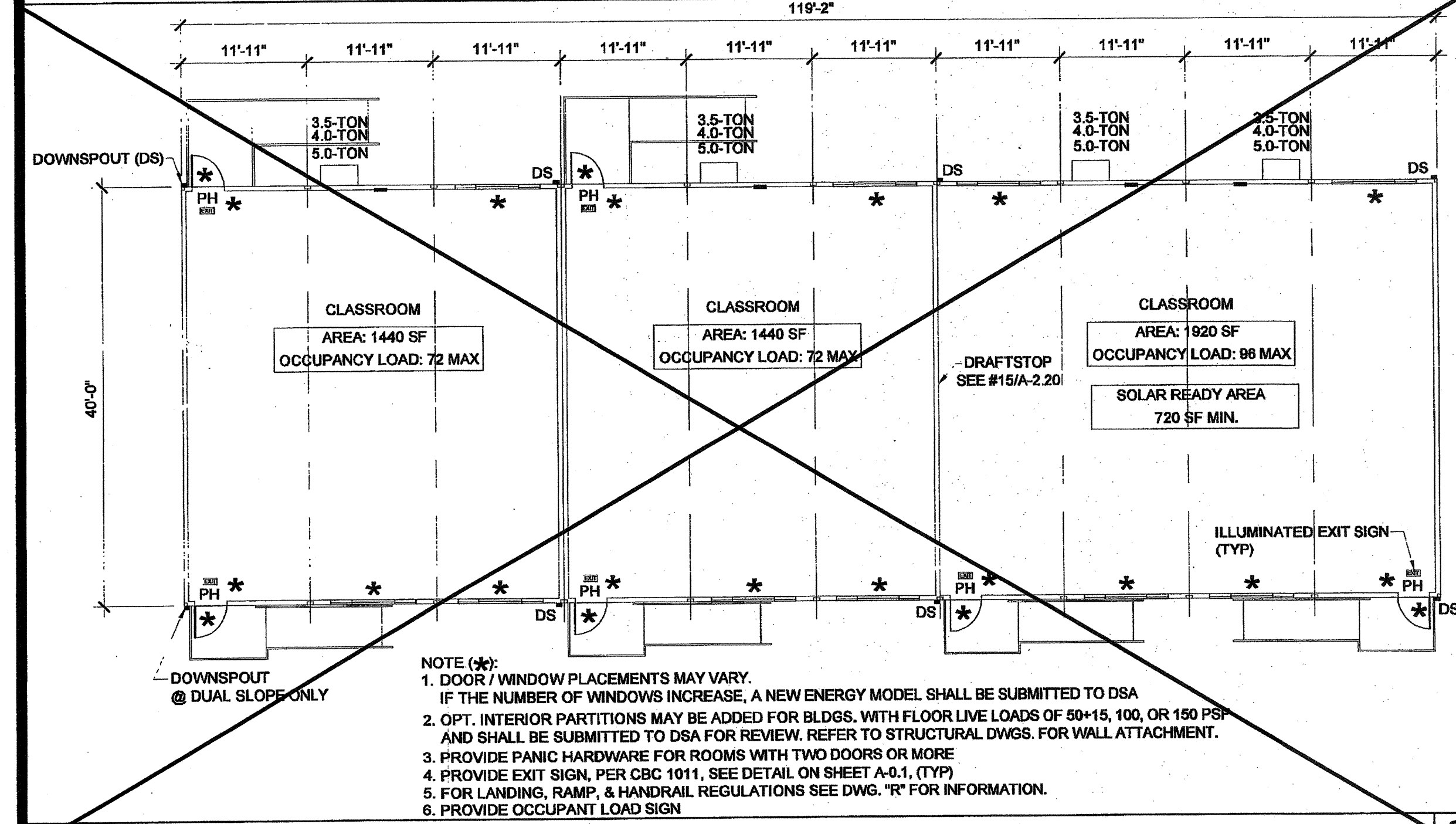




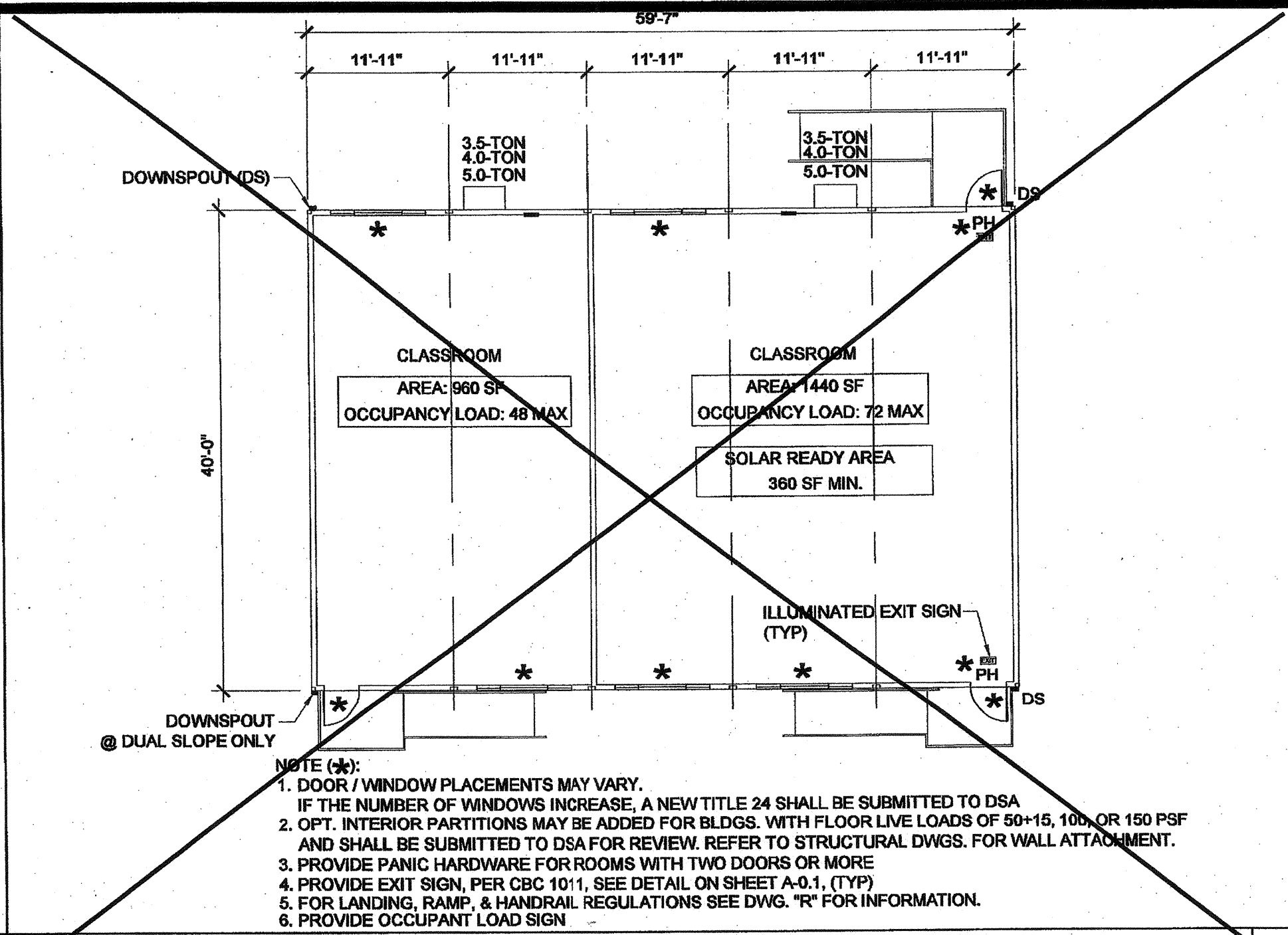
86' x 40' KEY PLAN (TOTAL AREA - 3840 SF) SCALE: 3/32" = 1' - 0"



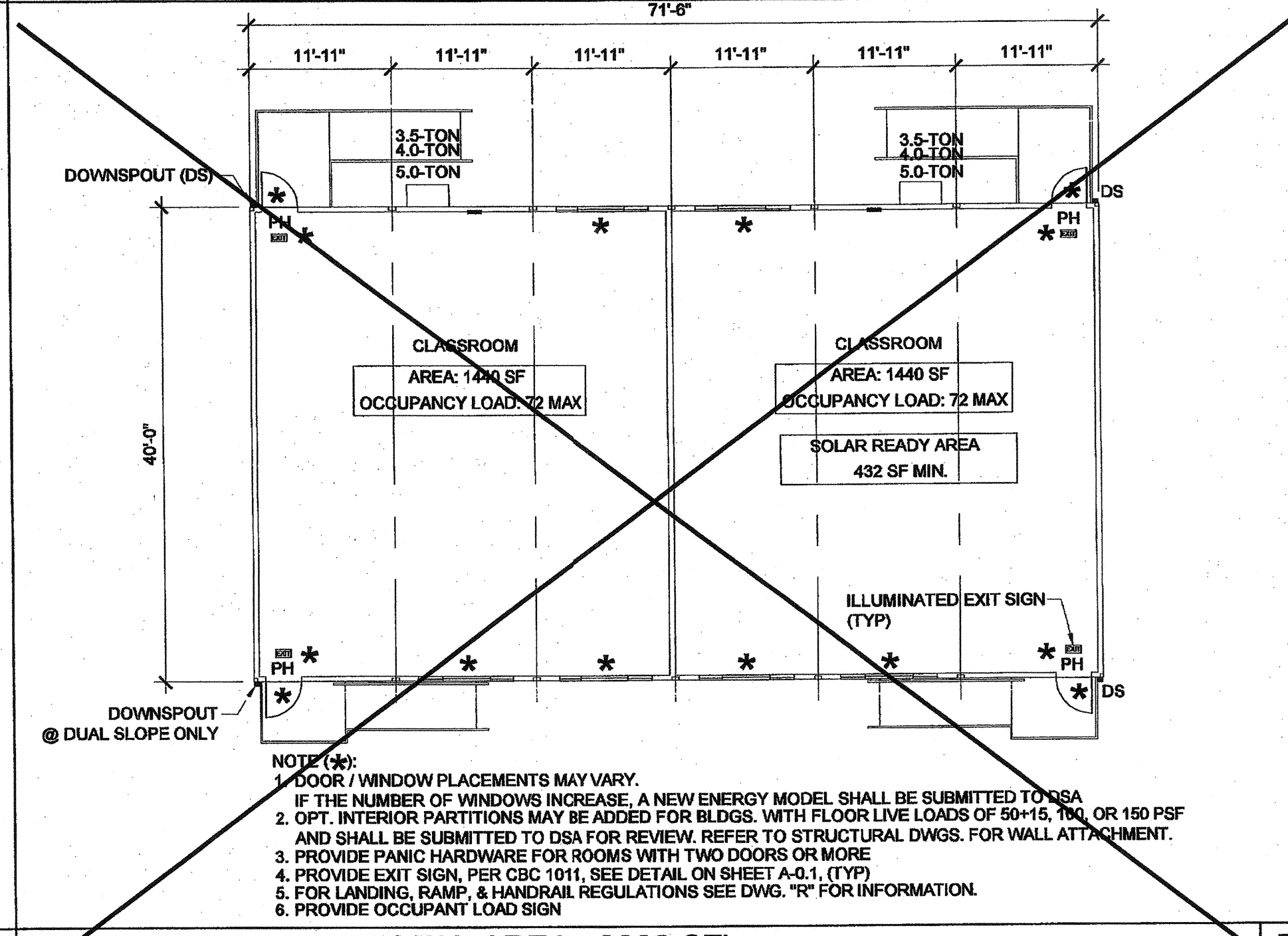
108' x 40' KEY PLAN (TOTAL AREA - 4320 SF) SCALE: 3/32" = 1' - 0"



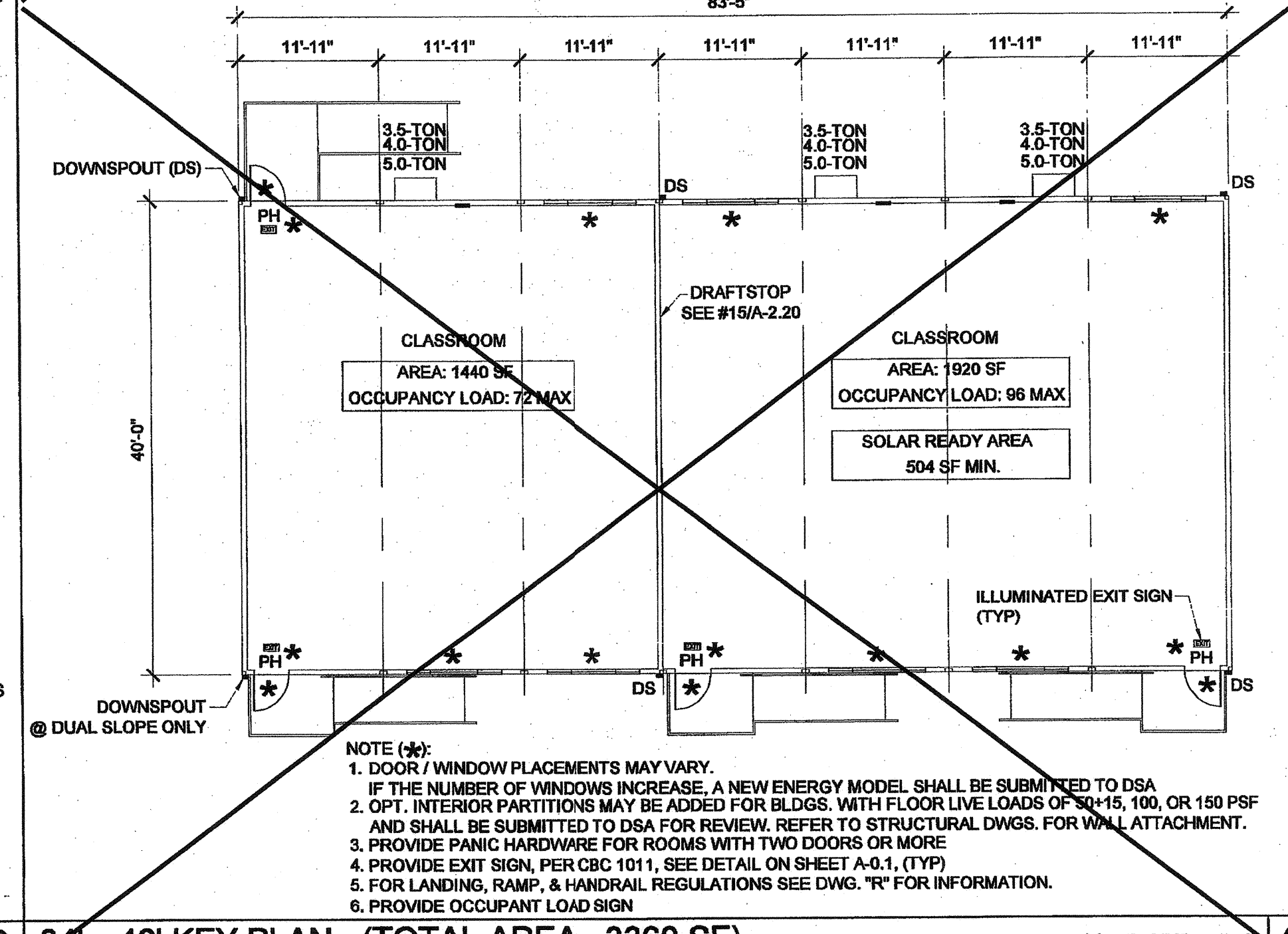
120' x 40' KEY PLAN (TOTAL AREA - 4800 SF) SCALE: 3/32" = 1' - 0"



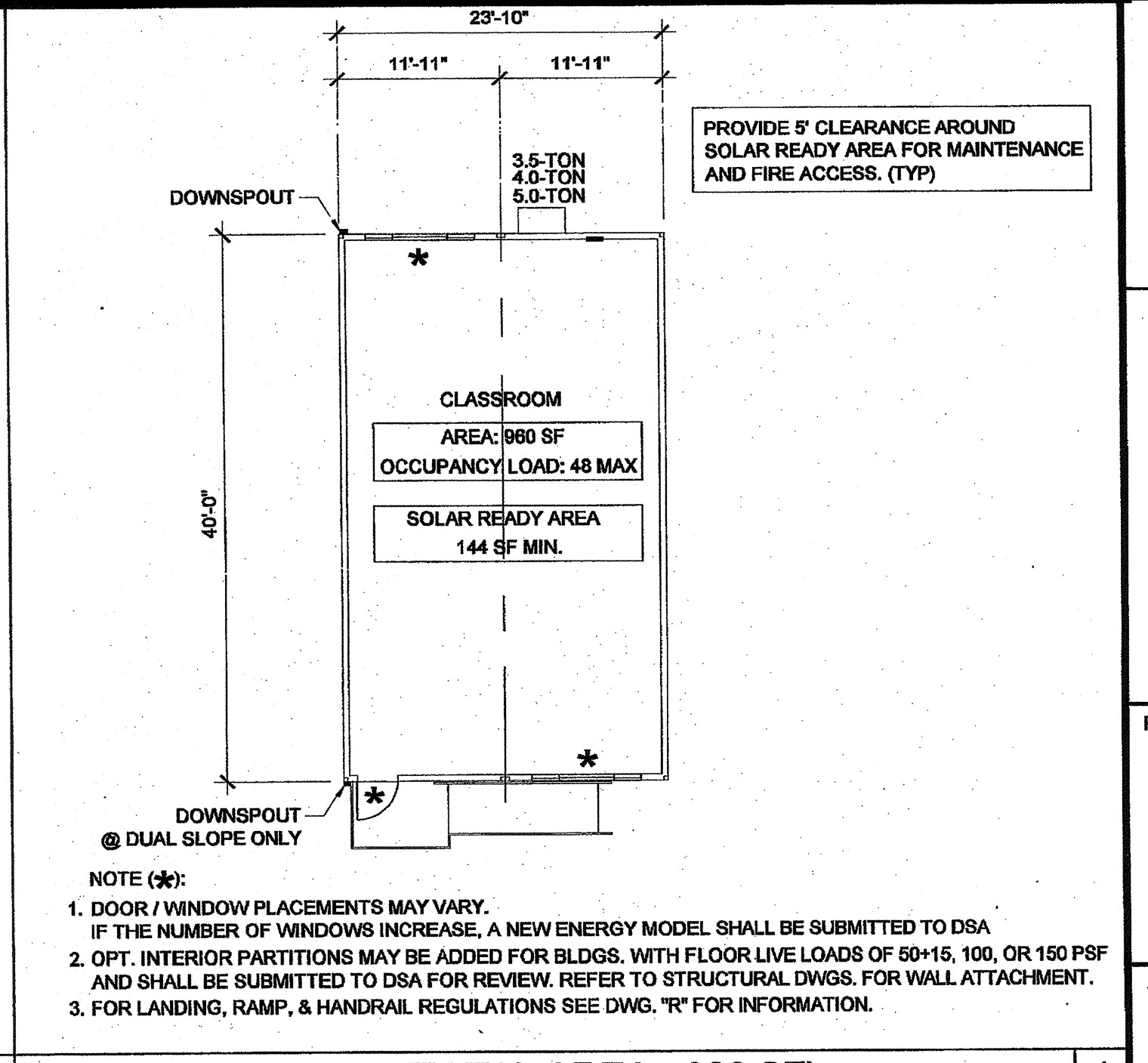
60' x 40' KEY PLAN (TOTAL AREA - 2400 SF) SCALE: 3/32" = 1' - 0"



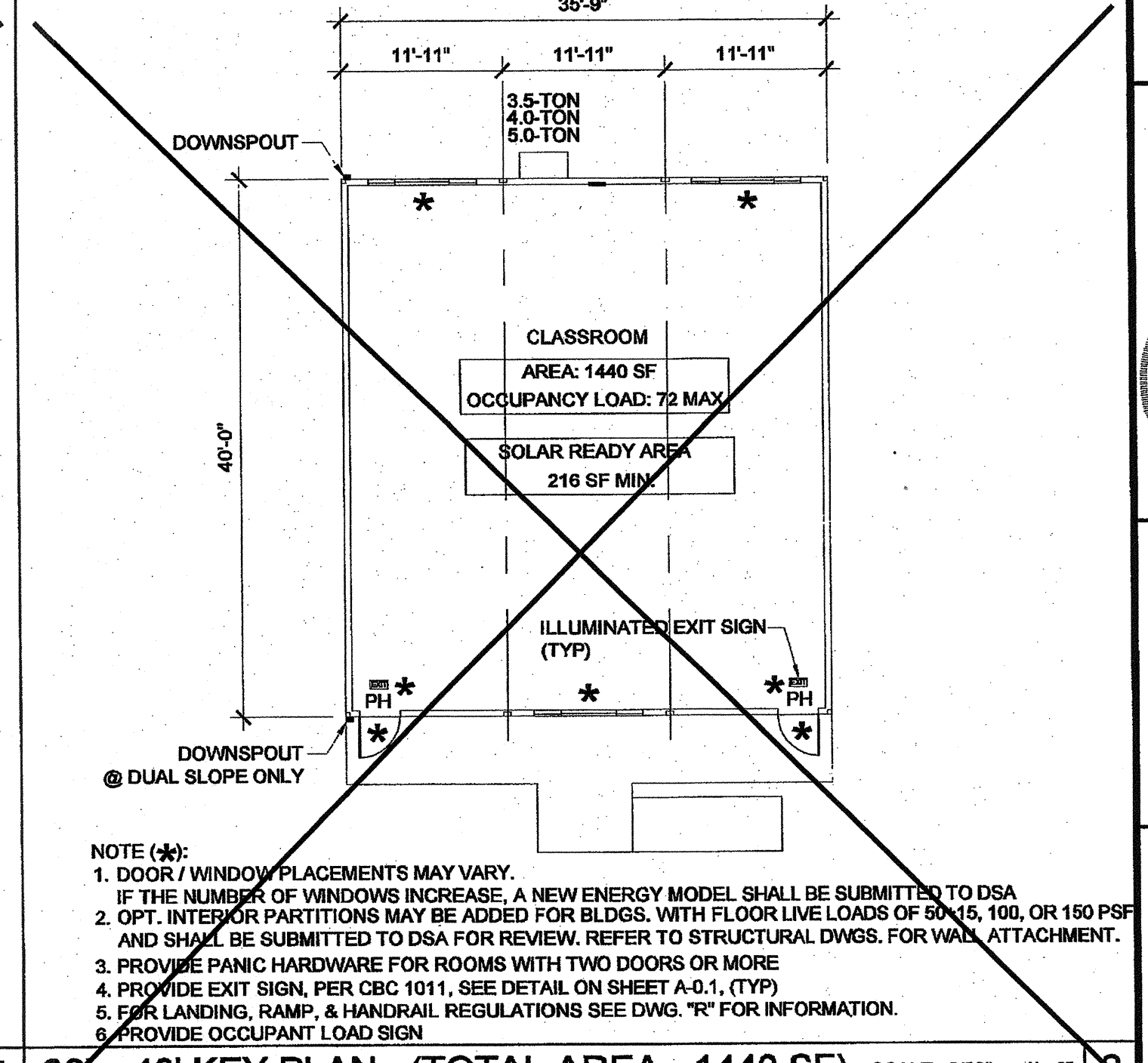
72' x 40' KEY PLAN (TOTAL AREA - 2880 SF) SCALE: 3/32" = 1' - 0"



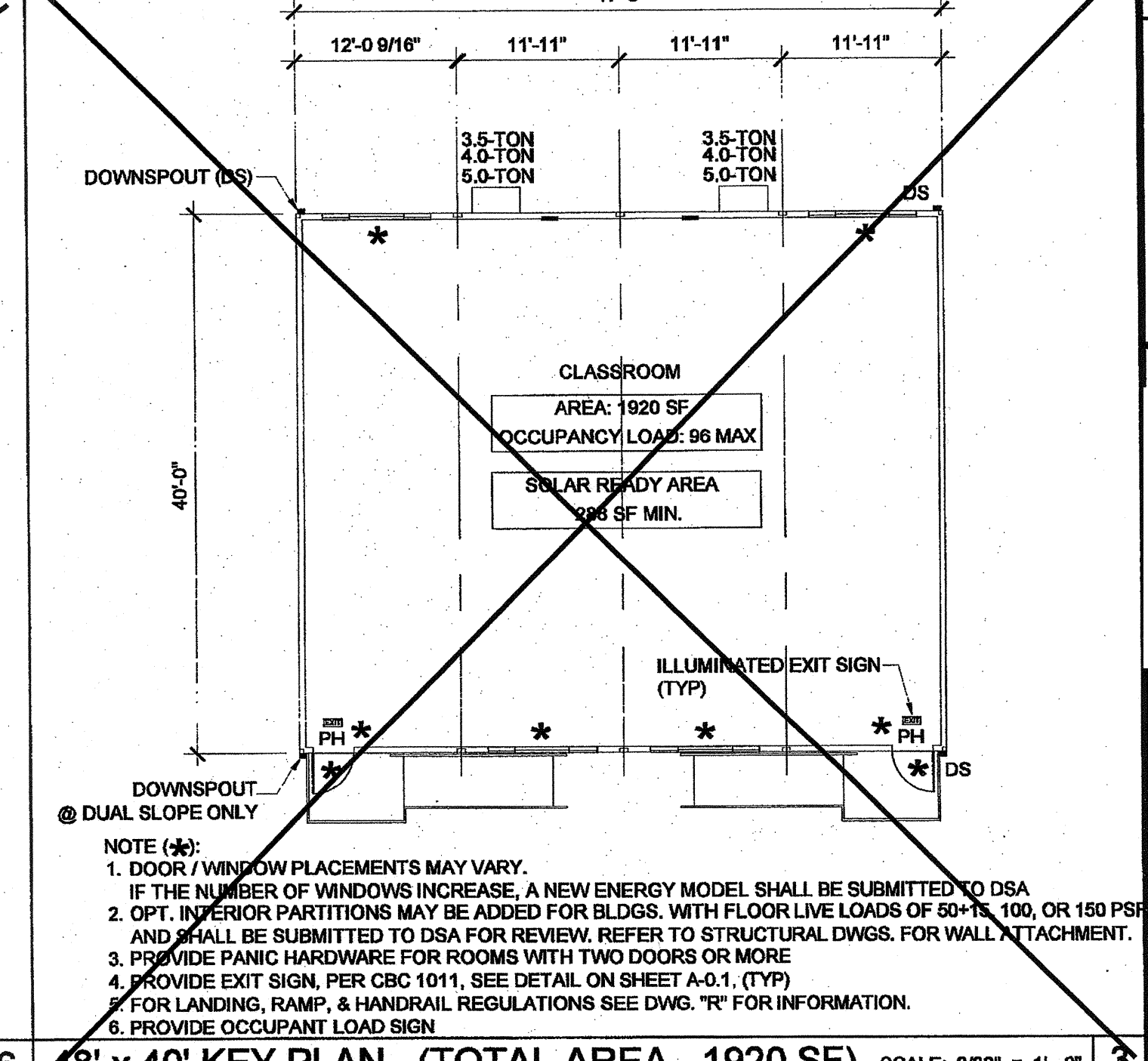
84' x 40' KEY PLAN (TOTAL AREA - 3360 SF) SCALE: 3/32" = 1' - 0"



24' x 40' KEY PLAN (TOTAL AREA - 960 SF) SCALE: 3/32" = 1' - 0"



36' x 40' KEY PLAN (TOTAL AREA - 1440 SF) SCALE: 3/32" = 1' - 0"



48' x 40' KEY PLAN (TOTAL AREA - 1920 SF) SCALE: 3/32" = 1' - 0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

**SILVER CREEK INDUSTRIES, INC.**

**SILVER CREEK**

2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-6393 FAX: 951-943-2211

PROJECT NAME:

**24x40 STOCKPILE  
OFFICE BUILDING**

SHEET TITLE:

**TYPICAL KEY PLANS  
24' - 120' x 40'**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
031189719  
AC ☒ FLS ☒ SS ☒  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04116284  
ACS ☒ FLS ☒ SS ☒  
DATE MAY 8 2017

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
DATE 08-4-2015

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OFFICE OF REGULATION SERVICES  
PC 04-114102  
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**SILVER CREEK INDUSTRIES**  
24' x 40' PC - 2:12 PITCH

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 01-30-15

P.C. SHEET NUMBER

**A-0.3**



A. GENERAL INFORMATION		B. COMPLIANCE RESULTS	
01	Project Address	01	Compliance Software
02	City	02	Compliance Manager Version
03	Zip code	03	Rule Set Filename
04	Climate Zone	04	Building Type
05	Building Footprint (sq ft)	05	Orientation Type
06	Number of Above Grade Stories	06	North Wall Area (sq ft)
07	Number of Below Grade Stories	07	East Wall Area (sq ft)
08	Number of Dwelling Units	08	South Wall Area (sq ft)
09	Total Unconditioned Floor Area (sq ft)	09	West Wall Area (sq ft)
10	Total Conditioned Floor Area (sq ft)	10	Total Exterior Wall Area (sq ft)
11	Addition Conditioned Floor Area (sq ft)	11	North Glazing Area (sq ft) Glazing Ratio
12	Addition Unconditioned Floor Area (sq ft)	12	East Glazing Area (sq ft) Glazing Ratio
13	Number of Thermal Zones	13	South Glazing Area (sq ft) Glazing Ratio
14	Number of Thermal Zones (conditioned)	14	West Glazing Area (sq ft) Glazing Ratio
15	Number of Air Systems	15	Total Glazing Area (sq ft) Glazing Ratio
16	Number of Zoned Systems	16	Roof Area (sq ft)
17	Number of Terminal Units	17	Daylight Area (sq ft) Daylight Area Ratio
18		18	
19		19	
20		20	

C. OCCUPANCY SUMMARY INFORMATION		D. ENVELOPE SUMMARY INFORMATION	
01	Occupancy Type	01	Surface Name
02	Floor Area (sq ft)	02	Surface Type
03	Installed Lighting Power (Watts)	03	U-Factor
04	Lighting Control Credits	04	U-Factor / F-Factor
05	Unvented Lighting Power Allowance (Watts)	05	Assembly Layers
06	Area Category	06	Framing Type
07	Tailored Method (Watts)	07	Framing Spacing
08	Total Allowed Lighting Power (Watts)	08	Roof Insulation
09		09	Certified Cool Roof
10		10	
11		11	
12		12	
13		13	
14		14	
15		15	
16		16	
17		17	
18		18	
19		19	
20		20	

E. PENETRATION SUMMARY INFORMATION		F. MECHANICAL SYSTEM SUMMARY INFORMATION	
01	Penetration Type	01	Equipment Name
02	Penetration Type	02	Equipment Type
03	Penetration Type	03	Qty
04	Penetration Type	04	Type
05	Penetration Type	05	SEER
06	Penetration Type	06	EER
07	Penetration Type	07	Rated Output (kW)
08	Penetration Type	08	Type
09	Penetration Type	09	APUE
10	Penetration Type	10	HSPF
11	Penetration Type	11	Thermal Eff.
12	Penetration Type	12	Rated Output (kW)
13	Penetration Type	13	Supplemental Heat Source
14	Penetration Type	14	Supplemental Heat Output (kW)
15	Penetration Type	15	
16	Penetration Type	16	
17	Penetration Type	17	
18	Penetration Type	18	
19	Penetration Type	19	
20	Penetration Type	20	

G. MECHANICAL SYSTEM ECONOMIZER AND FAN SUMMARY INFORMATION		H. CHILLER SUMMARY INFORMATION	
01	Equipment Name	01	Chiller Name
02	Economizer Type	02	Chiller Type
03	Outside Air (CFM)	03	Chiller Capacity (kW)
04	CFM	04	Chiller Efficiency (kW/ton)
05	HP	05	Chiller Control
06	BHP	06	Chiller Return Fan
07	Control	07	Chiller BHP
08	CFM	08	Chiller Control
09	HP	09	Chiller Control
10	BHP	10	Chiller Control
11	Control	11	Chiller Control
12	CFM	12	Chiller Control
13	HP	13	Chiller Control
14	BHP	14	Chiller Control
15	Control	15	Chiller Control
16	CFM	16	Chiller Control
17	HP	17	Chiller Control
18	BHP	18	Chiller Control
19	Control	19	Chiller Control
20	CFM	20	Chiller Control

01	Compliance Software
02	Compliance Manager Version
03	Rule Set Filename
04	Building Type
05	Orientation Type
06	North Wall Area (sq ft)
07	East Wall Area (sq ft)
08	South Wall Area (sq ft)
09	West Wall Area (sq ft)
10	Total Exterior Wall Area (sq ft)
11	North Glazing Area (sq ft) Glazing Ratio
12	East Glazing Area (sq ft) Glazing Ratio
13	South Glazing Area (sq ft) Glazing Ratio
14	West Glazing Area (sq ft) Glazing Ratio
15	Total Glazing Area (sq ft) Glazing Ratio
16	Roof Area (sq ft)
17	Daylight Area (sq ft) Daylight Area Ratio
18	
19	
20	

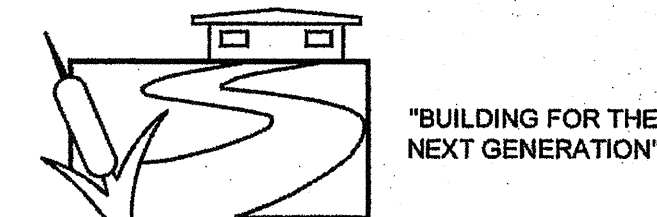
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		RESPONSIBLE PERSON'S DECLARATION STATEMENT	
01	Documentation Author Name	01	I certify that this Certificate of Compliance documentation is accurate and complete.
02	Documentation Author Title	02	I certify that I am a duly licensed professional engineer, architect, or other qualified person under the provisions of Division 9 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work.
03	Documentation Author Address	03	I certify that I am eligible under the provisions of Division 9 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work.
04	Documentation Author City/State/Zip	04	I certify that I am eligible under the provisions of Division 9 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work.
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Lydia Barron

Digitally signed by Lydia Barron  
DN: cn=California, o=California Department of General Services, ou=Division of the State Architect, email=lydia.barron@dgs.ca.gov, c=US  
Date: 2015.06.25 17:22:28 -0700

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



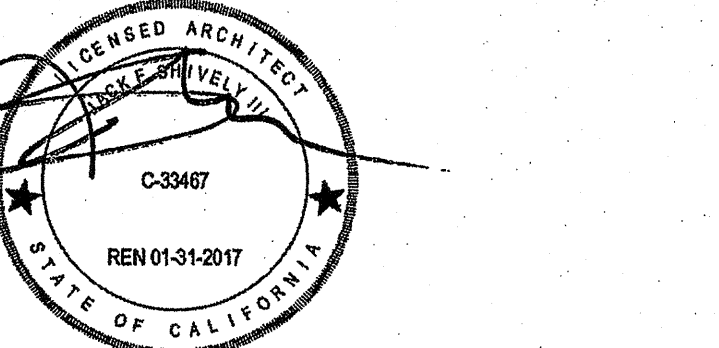
SILVER CREEK  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

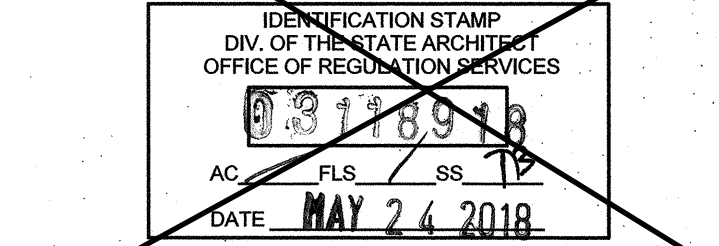
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

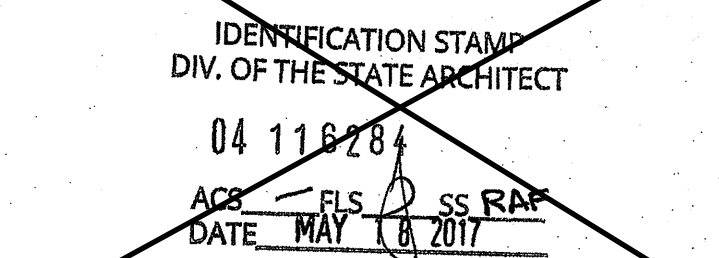
ENERGY CALC'S.  
PRF FORMS  
ZONE 15 WORST CASE



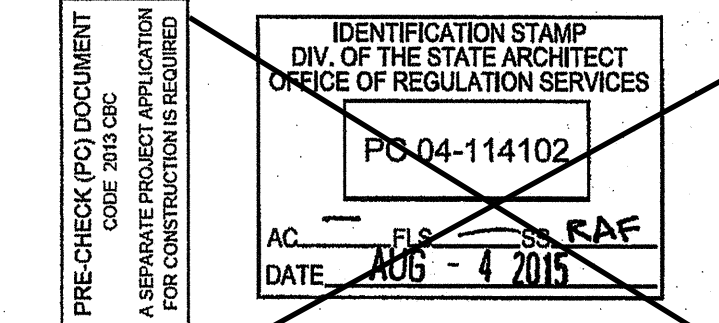
AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER

A-0.5B



Lydia Barron



STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
NRCC-ELC-01-E  
(Page 1 of 9)

Project Address: 24' x 40' SCI PC  
Climate Zone: 1-15  
Conditioned Floor Area: 922  
Unconditioned Floor Area: 0

General Information  
Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel  
☒ Schools ☒ Relocatable Public Schools ☒ Conditioned Spaces ☐ Unconditioned Spaces  
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration

A. Electrical Service Metering  
Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.  
Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)						Field Inspector
A	B	C	D	E	F	G		
Designation/Location in building/Description	KVA	metering	metering	metering	metering	metering	metering	

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
NRCC-ELC-01-E  
(Page 2 of 9)

Table 130.5-A - MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD

Meter Rating (KVA)	50 KVA or less	More than 50 KVA and less than or equal to 250 KVA	More than 250 KVA and less than or equal to 500 KVA	Services rated more than 500 KVA
Minimum (at the meter) kW demand	Not required	Not required	Not required	Not required
Reversible kWh	Not required	Not required	Not required	Not required
kWh per meter period	Not required	Not required	Not required	Not required

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
NRCC-ELC-01-E  
(Page 3 of 9)

B. Disaggregation of Electrical Circuits  
Each newly installed switchboard, panel, and motor control center (in both existing and newly constructed buildings) is required to be disaggregated according to the requirements of Table 130.5-B, shown on the next page.  
Individual branch circuits, taps or disconnects that require overcurrent protection devices rated 60A or greater are exempt.  
As an alternative, current transformers can be added for individual branch circuits and loads throughout the building, and a permanent measurement system can be installed. In this case, disaggregated wiring would not be required in long as the metering system allows the equivalent disaggregated measurements.  
Fill out a separate line for each switchboard, motor control center, panelboard and subpanel.

Switchboard, motor control center, panelboard or subpanel	Electrical Service that supplies that switchboard or panel	Electrical Service Rating	Field Inspector
			YES

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
NRCC-ELC-01-E  
(Page 4 of 9)

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD  
Tables 130.5-B sets the upper limit on how many loads of each type can be supplied by each feeder. A feeder may not supply loads of more than one type unless the service is rated at 50 KVA or less. For instance, on the fifth row of the table, one feeder on a service >50 KVA could be used to supply all the plug loads on a floor of a building, provided that there are no areas in which more than 250 KVA of plug load is supplied to a space less than 5000 sf.

Load Type	Services rated 50 KVA or less	Services rated more than 50 KVA and less than or equal to 250 KVA	Services rated more than 250 KVA and less than or equal to 500 KVA	Services rated more than 500 KVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting in aggregate	All lighting in aggregate
HVAC systems and components including chillers, fans, heaters, furnaces, package units, ceiling fans, and circulation pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate	All HVAC in aggregate
Domestic and service water systems pumps and related systems and components	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Plug load including appliances rated less than 25 KVA	Not required	All plug load in aggregate	All plug load in aggregate	All plug load in aggregate
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Industrial and commercial load centers 25 KVA or greater including theatrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (not or total)	Each group	Each group	Each group	Each group
Loads associated with renewable power source	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Charging stations for electric vehicles	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate

OR  
Current transformers have been attached to individual branch circuits and loads throughout the building, and a permanent measurement system is installed that allows an equivalent degree of disaggregated measurement as required by the Standards.

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C. Voltage Drop  
At each voltage drop worksheet to this form.  
Field Inspector has discretion to approve the worksheets; the tables shown below in this section are advisory only.  
Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.  
An advisory table of typical power factors is shown below.

Lead Type	Typical Power Factor at 120 volts	Typical Power Factor at 277 volts	Clarifying Notes
Fluorescent lighting	0.95	0.95	
Compact fluorescent lighting	0.9 (ballast)	0.9 (ballast)	N/A magnetic ballasts use 0.8-0.9 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor drivers
Incandescent lighting	1.0	1.0	
Wet lighting	0.9	0.9	May be lower if NFP ballasts are specified
HVAC packages	0.85	0.9	
Other motors < 5 HP	0.8	0.8	
Other motors > 5 HP	0.85	0.85	
Kitchen equipment	0.9	N/A	
Receptacles	0.6	N/A	For dedicated receptacles, may be noted according to the load
Electric heating including hot water	1.0	1.0	
Other	0.85	0.85	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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Electrical Power Distribution  
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(Page 6 of 9)

D. Circuit Controls for 120-Volt Receptacles  
Controlled 120-volt receptacles shall be provided, as required by Section 130.5(d) of the Standards.  
In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted to each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception.  
Receptacles that are only for the following purposes are exempt:  
-Receptacles specifically for refrigerators and water dispensers in kitchens.  
-Receptacles located a minimum of six feet above the floor that are specifically for clocks.  
-Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

1. At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split-wired duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies in all of the following spaces:	Field Inspector
	YES
Private offices, open office areas	
Receptions and lobbies	
Conference rooms	
Kitchens in office spaces	
Copy room	

2. Electric circuits serving controlled receptacles are equipped with automatic shut-OFF controls following the requirements prescribed in Section 130.5(d) through 5 (in many cases this will mean that the receptacles are connected to the same automatic shut-OFF system as the general lighting of the space).

3. Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.

4. For open office areas, controlled circuits shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.5(d)(1)(A)(5)(a) 1, 2, and 3.

5. For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room are controlled receptacles that comply with Section 130.5(d)(1), 2, and 3 (see numbers 1, 2 and 3 above). Electric circuits serving controlled receptacles have captive and key controls, occupancy sensing controls, or automatic controls such that, no longer than 30 minutes after the guest room has been vacated, power is switched off.

6. Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.

STATE OF CALIFORNIA  
Electrical Power Distribution  
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NRCC-ELC-01-E  
(Page 7 of 9)

Table 130.5-C - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD  
Tables 130.5-C sets the upper limit on how many loads of each type can be supplied by each feeder. A feeder may not supply loads of more than one type unless the service is rated at 50 KVA or less. For instance, on the fifth row of the table, one feeder on a service >50 KVA could be used to supply all the plug loads on a floor of a building, provided that there are no areas in which more than 250 KVA of plug load is supplied to a space less than 5000 sf.

Load Type	Services rated 50 KVA or less	Services rated more than 50 KVA and less than or equal to 250 KVA	Services rated more than 250 KVA and less than or equal to 500 KVA	Services rated more than 500 KVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting in aggregate	All lighting in aggregate
HVAC systems and components including chillers, fans, heaters, furnaces, package units, ceiling fans, and circulation pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate	All HVAC in aggregate
Domestic and service water systems pumps and related systems and components	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Plug load including appliances rated less than 25 KVA	Not required	All plug load in aggregate	All plug load in aggregate	All plug load in aggregate
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Industrial and commercial load centers 25 KVA or greater including theatrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (not or total)	Each group	Each group	Each group	Each group
Loads associated with renewable power source	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Charging stations for electric vehicles	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
NRCC-ELC-01-E  
(Page 8 of 9)

E. Documentation of Compliance  
The following information shall be provided, as required by Section 130.5(f) of the Standards:  
1. The building design features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance are true and correct.  
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).  
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: LYDIA BARRON  
Company: SCI INC  
Address: 2830 BARRETT AVE PERRIS, CA 92571  
City/State/Zip: PERRIS, CA 92571

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
NRCC-ELC-01-E  
(Page 9 of 9)

Documentation of Compliance  
The following information shall be provided, as required by Section 130.5(f) of the Standards:  
1. The building design features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance are 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.  
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Responsible Designer Name: LYDIA BARRON  
Company: SCI INC  
Address: 2830 BARRETT AVE PERRIS, CA 92571  
City/State/Zip: PERRIS, CA 92571

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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

Lydia Barron  
Digitally signed by Lydia Barron  
DN: cn=Lydia Barron, o=SCI Inc, ou=Division of the State Architect, email=lydia.barron@scincorp.com, c=US  
Date: 2015.06.30 17:28:49 -0700

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC.  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2015

SILVER CREEK INDUSTRIES, INC.  
"BUILDING FOR THE NEXT GENERATION"

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

PROJECT NAME:  
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:  
ENERGY CALC'S.  
ELC FORMS  
24' x 40' BLDG'S

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03/18/2015  
AC FLS SS  
DATE MAY 24 2016

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04 118284  
ACS - FLS SS  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  
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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC FLS SS  
DATE AUG 4 2015

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

P.C. SHEET NUMBER  
A-0.6A



STATE OF CALIFORNIA <b>OUTDOOR LIGHTING</b> CIRC-NRCC-LTO-01-E (Revised 06/14)		CALIFORNIA ENERGY COMMISSION NRCC-LTO-01-E (Page 2 of 4)
<b>CERTIFICATE OF COMPLIANCE</b>		
Outdoor Lighting		
Project Name:	Date of Preparation:	

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7	
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)	
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

[illegible]

TIP OFF LIGHT	< 30V	NO PART LOAD REQUIREMENT

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST									
Luminaire Schedule			Installed Watts				Location	Cutoff	Field Inspector
A	B	C	D	E	F	G	H	I	
			How wattage was determined						

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I, Brian Polivka, certify that this Certificate of Compliance documentation is accurate and complete.

\_\_\_\_\_  
Documentation Author Signature

\_\_\_\_\_  
Signature Date

CNA / HSA Certification Number (if applicable) \_\_\_\_\_  
Phone: \_\_\_\_\_

June 2013

STATE OF CALIFORNIA <b>REQUIRED ACCEPTANCE TESTS</b> CRCC-NRCC-MCH-04-4 (Revised 06/14)		CALIFORNIA ENERGY COMMISSION NRCC-MCH-04-4 (Page 2 of 3)
CERTIFICATE OF COMPLIANCE		
Required Acceptance Tests		
Project Name	Date Prepared	

**Designer:**

This form is to be used by the designer and attached to the plans, listed above are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. If the equipment of a certain type requires a test, list the equipment manufacturer and the number of systems. The NA number designates the Section in the Appendix of the Non-scheduled Building Acceptance Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

**Enforcement Agency:**

**Systems Acceptance:** Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

**Systems Acceptance:** Before occupancy permit is granted, All newly installed HVAC equipment must be tested using the Acceptance Requirements.

[illegible]

<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b> I, certify that this Certificate of Compliance Documentation is accurate and complete. Documentation Author Name: <u>FRANK MCILROY</u> Company: <u>SILVER CREEK</u> Address: _____ City/State/Zip: _____		Documentation Author Signature: <u>[Signature]</u> Signature Date: <u>11/14/14</u> CAN HSE Certification (Investigation ID # optional): _____ Phone: _____
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b> 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 not aware of any information that would cause this Certificate of Compliance to be false or misleading. 3. I am not aware of any information that would cause this Certificate of Compliance to be false or misleading.		

designer).

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 6 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Inspector's Signature: <u>SILVER CREEK</u>		Inspector's Printed Name: _____
Company: <u>SILVER CREEK</u>		Date Signed: <u>6/14/14</u>
Address: _____		License: <u>EX-1527</u>
City/State/Zip: _____		Phone: _____

PROJECT NAME:

24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

ENERGY CALC'S.  
LTO / MCH FORMS  
24' x 40' BLDG'S

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

**03118918**

AC \_\_\_\_\_ FLS \_\_\_\_\_ SS \_\_\_\_\_  
DATE **MAY 24 2018**

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

04 116284 1.

ACS - FLS SS RME  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL

RE-CHECK (PC) DOCUMENT  
CODE: 2015 CSC  
SEMINAR PROJECT REGISTRATION  
FOR CONSTRUCTION REQUIRED

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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

PC 04-114102

AC: \_\_\_\_\_ S: S.S. RAJ  
DATE: AUG - 4 2015

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SILVER CREEK INDUSTRIES 24' x 40' PC - 2:12 PITCH	
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15
P.C. SHEET NUMBER	
A-0.6B	

**Lydia Barron**



STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE

Project Name: 24' x 40' BLDG PC Date Prepared: 10/15/14

Climate Zone: 1-15 Unconditioned Floor Area: 960

General Information: Building Type: Nonresidential, School, Phase of Construction: New Construction, Method of Compliance: Complete Building

Lighting Compliance Documents (select yes for each document included): YES NO FORM TITLE

Summary of Allowed Lighting Power: Conditioned and Unconditioned space lighting must not be combined for compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE

Project Name: 1152 Date Prepared: 10/15/14

Climate Zone: 1-15 Unconditioned Floor Area: 1152

General Information: Building Type: Nonresidential, School, Phase of Construction: New Construction, Method of Compliance: Complete Building

Lighting Compliance Documents (select yes for each document included): YES NO FORM TITLE

Summary of Allowed Lighting Power: Conditioned and Unconditioned space lighting must not be combined for compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE

Project Name: 1152 Date Prepared: 10/15/14

Climate Zone: 1-15 Unconditioned Floor Area: 1152

General Information: Building Type: Nonresidential, School, Phase of Construction: New Construction, Method of Compliance: Complete Building

Lighting Compliance Documents (select yes for each document included): YES NO FORM TITLE

Summary of Allowed Lighting Power: Conditioned and Unconditioned space lighting must not be combined for compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE

Project Name: 1152 Date Prepared: 10/15/14

Climate Zone: 1-15 Unconditioned Floor Area: 1152

General Information: Building Type: Nonresidential, School, Phase of Construction: New Construction, Method of Compliance: Complete Building

Lighting Compliance Documents (select yes for each document included): YES NO FORM TITLE

Summary of Allowed Lighting Power: Conditioned and Unconditioned space lighting must not be combined for compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE

Project Name: 1152 Date Prepared: 10/15/14

Climate Zone: 1-15 Unconditioned Floor Area: 1152

General Information: Building Type: Nonresidential, School, Phase of Construction: New Construction, Method of Compliance: Complete Building

Lighting Compliance Documents (select yes for each document included): YES NO FORM TITLE

Summary of Allowed Lighting Power: Conditioned and Unconditioned space lighting must not be combined for compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE

Project Name: 1152 Date Prepared: 10/15/14

Climate Zone: 1-15 Unconditioned Floor Area: 1152

General Information: Building Type: Nonresidential, School, Phase of Construction: New Construction, Method of Compliance: Complete Building

Lighting Compliance Documents (select yes for each document included): YES NO FORM TITLE

Summary of Allowed Lighting Power: Conditioned and Unconditioned space lighting must not be combined for compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE

Project Name: 1152 Date Prepared: 10/15/14

Climate Zone: 1-15 Unconditioned Floor Area: 1152

General Information: Building Type: Nonresidential, School, Phase of Construction: New Construction, Method of Compliance: Complete Building

Lighting Compliance Documents (select yes for each document included): YES NO FORM TITLE

Summary of Allowed Lighting Power: Conditioned and Unconditioned space lighting must not be combined for compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

Lydia Barron

Digitally signed by Lydia Barron  
DN: st=California, o=California  
Department of General Services, ou=Division of the  
State Architect, email=lydia.barron@dgs.ca.gov  
Date: 2015.06.30 17:32:01 -07'00'

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS FLS ACS  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-6393 FAX: 951-943-2211

PROJECT NAME:  
24x40 STOCKPILE OFFICE BUILDING

SHEET TITLE:  
ENERGY CALC'S.  
LTI FORMS  
24' x 40' BLDG'S

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118918  
AC FLS SS  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04 116284  
ACS FLS SS RAF  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT  
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PG 04-114100  
AC FLS SS RAF  
DATE AUG 4 2015

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

SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

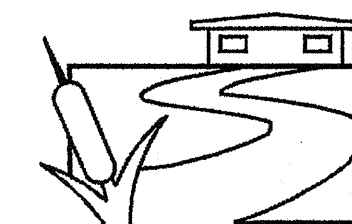
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
A-0.6C



CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance JUNE 2014CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 20CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 20

An identification stamp from the Division of the State Architect. The stamp is rectangular with a double-line border. It contains the following text: "IDENTIFICATION STAMP" at the top, "DIV. OF THE STATE ARCHITECT" below it, "APP: 03-124455 INC:" in the middle, and "REVIEWED FOR" below that. Under "REVIEWED FOR" are three items: "SS" with a checked box, "FLS" with a checked box, and "ACS" with a checked box. At the bottom, it says "DATE: 03/26/2025" with a line for the date.

SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE  
NEXT GENERATION

SILVER  
CREEK

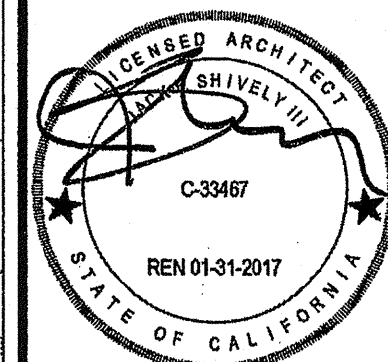
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME

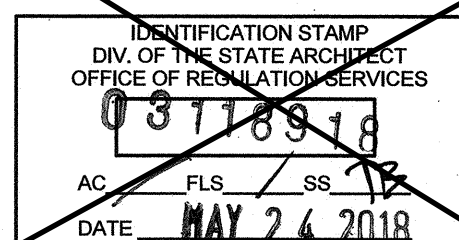
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

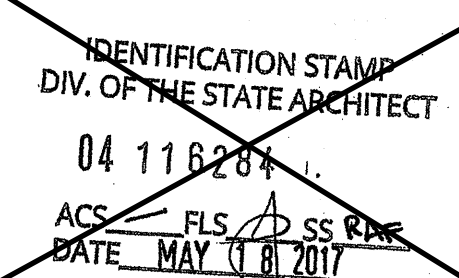
# ENERGY CALC'S. ELC FORMS 120' x 40' BLDG'S



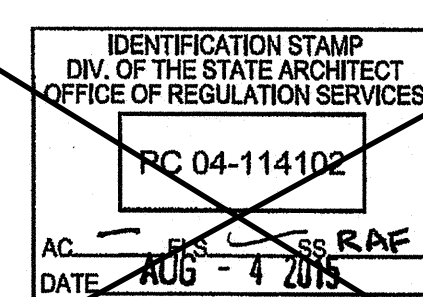
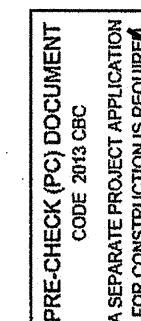
AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6



~~PROJECT SPECIFIC STATE AGENCY APPROVAL~~



ORIGINAL PC STATE AGENCY APPROVAL \_\_\_\_\_



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

SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO.

DRAWN BY:

SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

**A-0.6D**


**Lydia Barron**



<b>Declaration of Required Installation Certificates</b> – Declare by checking all Installation Certificates that will be submitted. (Retail copies and verify forms are completed and signed.)	
<input checked="" type="checkbox"/> NRCC-101-01-E - Must be submitted for all buildings	<input type="checkbox"/> Field Inspector
<input checked="" type="checkbox"/> NRC-102-01-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"/> Field Inspector
<b>Declaration of Required Certificates of Acceptance</b> – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retail copies and verify forms are completed and signed.)	
<input checked="" type="checkbox"/> NRCA-102-02-A - Must be submitted for outdoor lighting controls.	<input type="checkbox"/> Field Inspector

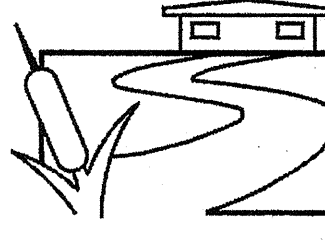
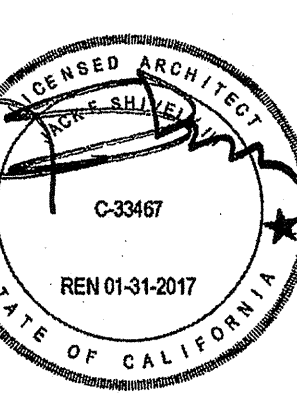

[illegible][illegible]

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
<p>I, <u>1</u>, certify that this Certificate of Compliance documentation is accurate and complete.</p>	
Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CSA/HBC Certification Identification (if applicable):
City/State/Zip:	Phone:
<p><b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b></p> <p>I certify the following under penalty of perjury, under the laws of the State of California:</p> <ol style="list-style-type: none"> <li>The information provided on this Certificate of Compliance is true and correct.</li> <li>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).</li> <li>The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conforms to the requirements of Title 24, Part 1 and Part 6 of the California code of regulations.</li> <li>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.</li> <li>I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.</li> </ol>	
Responsible Designer Name:	Responsible Designer Signature:
Company:	Client Name:
Address:	Universal:
City/State/Zip:	Phone:

<b>STATE OF CALIFORNIA</b> <b>REQUIRED ACCEPTANCE TESTS</b> GAS MECHANICAL GAS PIPING (GMP)		 <b>CALIFORNIA ENERGY COMMISSION</b> <b>NRCC-MCH-04-E</b> (Page 1 of 3)																		
<b>CERTIFICATE OF COMPLIANCE</b> Required Acceptance Tests																				
Project/Job: <u>120' x 40' SCL FC</u>	Date Prepared: <u>10/15/14</u>																			
<b>MECHANICAL COMPLIANCE FORMS &amp; WORKSHEETS (Indicate if worksheet is included)</b>																				
For detailed instructions on the use of this and all energy efficiency Standards compliance forms, refer to the 2013 Naresidential Manual Note: The Enforcement Agency may use this form to be incorporated into the building plans. Forms NRCC-MCH-04-E and NRCC-MCH-05-E are alternative forms to NRCC-MCH-03-E, NRCC-MCH-03-E and NRCC-MCH-04-E for projects using only single zone packaged HVAC systems.																				
YES	NO	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Form</th> <th style="width: 70%;">Title</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>NRCC-MCH-04-E (2 of 2)</td> </tr> <tr> <td colspan="2">Certificate of Compliance. Required on plans when used.</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>NRCC-MCH-04-E (2 of 2)</td> </tr> <tr> <td colspan="2">Mechanical Acceptance Tests. Required on plans when used.</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>NRCC-MCH-05-E (2 of 2)</td> </tr> <tr> <td colspan="2">HVAC Prescriptive Requirements. It is required on plans when used.</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>NRCC-MCH-05-E (2 of 2)</td> </tr> <tr> <td colspan="2">Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans when applicable.</td> </tr> </tbody> </table>	Form	Title	<input checked="" type="checkbox"/>	NRCC-MCH-04-E (2 of 2)	Certificate of Compliance. Required on plans when used.		<input checked="" type="checkbox"/>	NRCC-MCH-04-E (2 of 2)	Mechanical Acceptance Tests. Required on plans when used.		<input checked="" type="checkbox"/>	NRCC-MCH-05-E (2 of 2)	HVAC Prescriptive Requirements. It is required on plans when used.		<input checked="" type="checkbox"/>	NRCC-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans when applicable.	
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STATE OF CALIFORNIA <b>ACCEPTANCE TESTS</b> REQUIRED EQUIPMENT (Revised 01/14)		CALIFORNIA ENERGY COMMISSION NRCC-MCH1-04-1 (Page 2 of 3)																																	
<b>CERTIFICATE OF COMPLIANCE</b>																																			
Required Acceptance Tests _____ Date Required _____																																			
Regulator: _____																																			
<b>Designer:</b> <p>This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The MA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.</p> <p><b>Enforcement Agency:</b></p> <p><b>Systems Acceptance.</b> Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.</p> <p><b>Systems Acceptance.</b> Before occupancy permit is granted. All newly installed HVAC equipment must be tested using the Acceptance Requirements.</p> <p>The NRCC-MCH1-04-F form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-3(J)(3) and Titles 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Test Description</th> <th style="width: 10%;">MCH1-02-A</th> <th style="width: 10%;">MCH1-03-A</th> <th style="width: 10%;">MCH1-04-A</th> <th style="width: 10%;">MCH1-05-A</th> <th style="width: 10%;">MCH1-07-A</th> <th style="width: 10%;">MCH1-10-A</th> <th style="width: 10%;">MCH1-12-A</th> <th style="width: 10%;">MCH1-14-A</th> <th style="width: 10%;">MCH1-18-A</th> <th style="width: 10%;">Test Performed By:</th> </tr> </thead> <tbody> <tr> <td>Equipment Quadrant Testing or Verification</td> <td>AC</td> <td>Single-Zone Unitary</td> <td>AC Distribution Units</td> <td>Economizer Controls</td> <td>Demand Control Ventilation (DCV)</td> <td>Supply Fan VAV</td> <td>Automatic Demand Shed Control</td> <td>FPD for Packaged DX Units</td> <td>Outside Air Energy Storage ent Control System</td> <td></td> </tr> <tr> <td> <div style="border: 1px solid black; padding: 2px; display: inline-block;">           ALL HPPs         </div> </td> <td>ALL</td> <td>e</td> <td>e</td> <td>e</td> <td>e</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Test Description	MCH1-02-A	MCH1-03-A	MCH1-04-A	MCH1-05-A	MCH1-07-A	MCH1-10-A	MCH1-12-A	MCH1-14-A	MCH1-18-A	Test Performed By:	Equipment Quadrant Testing or Verification	AC	Single-Zone Unitary	AC Distribution Units	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Automatic Demand Shed Control	FPD for Packaged DX Units	Outside Air Energy Storage ent Control System		<div style="border: 1px solid black; padding: 2px; display: inline-block;">           ALL HPPs         </div>	ALL	e	e	e	e					
Test Description	MCH1-02-A	MCH1-03-A	MCH1-04-A	MCH1-05-A	MCH1-07-A	MCH1-10-A	MCH1-12-A	MCH1-14-A	MCH1-18-A	Test Performed By:																									
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<b>STATE OF CALIFORNIA</b> <b>REQUIRED ACCEPTANCE TESTS</b> (SEE REGULATIONS (B) (RATED TESTS))		CALIFORNIA ENERGY COMMISSION <b>NRCC-MCH-04</b> (Page 3 of 3)
<b>CERTIFICATE OF COMPLIANCE</b>		
Required Acceptance Tests Requirements		Date Required <b>10/15/14</b>
(Documentation and Test Results)		
<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b> I, <u><b>Jeffrey McHugh</b></u> , certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Signature: <u><b>[Signature]</b></u> Date Signed: <u><b>10/15/14</b></u> CEM HERS Certification Identification (if applicable): Printer:		
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b> 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 able under Division 5 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible design). 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 warrant that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building official for all applicable inspections.		
Responsible Designer Name: <u><b>SILVER CREEK</b></u> Company: <u><b>SILVER CREEK</b></u> Address: City/State/Zip:		
Responsible Designer Signature: <u><b>[Signature]</b></u> Date Signed: <u><b>10/15/14</b></u> License: Printer:		

<div style="border: 2px solid black; border-radius: 15px; padding: 10px; display: inline-block;">             IDENTIFICATION STAMP              DIV. OF THE STATE ARCHITECT              APP: 03-124455 INC:              REVIEWED FOR              SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/>              DATE: 03/26/2025           </div>	
<b>SILVER CREEK INDUSTRIES, INC.</b>   <div style="float: right; text-align: right;">             "BUILDING FOR THE NEXT GENERATION"           </div>	
<h1 style="margin: 0;">SILVER CREEK</h1> 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211	
PROJECT NAME:	
<h2 style="margin: 0;">24x40 STOCKPILE OFFICE BUILDING</h2>	
SHEET TITLE:	
<h2 style="margin: 0;">ENERGY CALC'S. LTO / MCH FORMS 120' x 40' BLDG'S</h2>	
	
<div style="text-align: left;">         AGENCY TRACKING NO. <u>63321-289</u>          FILE NO. 15-6       </div> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;">         IDENTIFICATION STAMP          DIV. OF THE STATE ARCHITECT          OFFICE OF REGULATION SERVICES  <div style="text-align: center; font-size: 1.2em;"> <u>03-18914</u> </div>         AC <u>—</u> FLS <u>—</u> SS <u>—</u>          DATE <u>MAY 24 2018</u> </div>	
PROJECT SPECIFIC STATE AGENCY APPROVAL	
<div style="text-align: left;">         IDENTIFICATION STAMP          DIV. OF THE STATE ARCHITECT  <div style="text-align: center; font-size: 1.2em;"> <u>04-116284</u> </div>         ACS <u>—</u> FLS <u>—</u> SS <u>RAF</u>          DATE <u>MAY 18 2017</u> </div>	
ORIGINAL PC STATE AGENCY APPROVAL	
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; font-size: 0.8em; margin-right: 10px;">           PRE-CHECK (PC) DOCUMENT            CODE: 2013 DEC            A SEPARATE PROJECT APPROVAL            FOR CONSTRUCTION IS REQUIRED         </div> <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;">           IDENTIFICATION STAMP            DIV. OF THE STATE ARCHITECT            OFFICE OF REGULATION SERVICES  <div style="text-align: center; font-size: 1.2em;"> <u>PC 04-114102</u> </div>           AC <u>—</u> FLS <u>—</u> SS <u>RAF</u>            DATE <u>AUG - 4 2015</u> </div> </div>	
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 <div style="margin-left: 100px;"> <b>SILVER CREEK INDUSTRIES</b>        24' x 40' PC - 2:12 PITCH     </div>	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 01-30-15	
P.C. SHEET NUMBER	
<h1 style="margin: 0;">A-0.6E</h1>	

# Lydia Barron

Digitally signed by Lydia Barron  
DN: st=California, l=Sacramento, o=California Department  
of General Services, ou=Division of the State Architect,  
ou=[www.verisign.com/repository/CPS-Incorp](http://www.verisign.com/repository/CPS-Incorp), by  
Ref, /L=AB.LTD(C)99, title=Architectural Associate, cn=Lydia  
Barron, email=lydia.barron@dgs.ca.gov  
Date: 2015.06.30 17:37:53 -0700



<div style="display: flex; justify-content: space-between;"> <span>STATE OF CALIFORNIA</span> <span>NEW YORK STATE</span> </div> <div style="display: flex; justify-content: space-between;"> <span><b>INDOOR LIGHTING</b></span> <span><b>NEW YORK STATE</b></span> </div> <div style="display: flex; justify-content: space-between;"> <span>OSHA 1910.333-11(a)(1)(ii)</span> <span>OSHA 1910.333-11(a)(1)(ii)</span> </div> <div style="display: flex; justify-content: space-between;"> <span><b>CERTIFICATE OF COMPLIANCE</b></span> <span><b>IRCCAT-01-01-E</b></span> </div> <div style="display: flex; justify-content: space-between;"> <span>Project Name: _____</span> <span>Date Requested: _____</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Page 2 of 5</span> <span>Page 2 of 5</span> </div>		<div style="display: flex; justify-content: space-around;"> <span>Complies ONLY if installed &amp; Allowed</span> <span>Complies ONLY if installed &amp; Allowed</span> </div>			
5.	Allowed Lighting Power Conditioned IRCCAT-01-03-E, page 1	<div style="text-align: center; font-size: 1.5em; font-weight: bold;">5700</div>	6.	Allowed Lighting Power Unconditioned IRCCAT-01-03-E, page 1	

**Declaration of Required Installation Certificates** – Declare by selecting yes for all installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

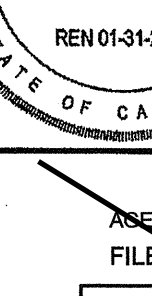
YES	NO	Form/Title	
✓		IRCCAT-01-03-E - Must be submitted for all buildings	<input type="checkbox"/> Field Inspector
✓		IRCCAT-01-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> Field Inspector
✓		IRCCAT-01-03-E - Must be submitted for a line-voltage track lighting integral control limiter, or for a supplementary overcurrent protection panel used to energize only the line-voltage track lighting, to be recognized for compliance.	<input type="checkbox"/> Field Inspector
✓		IRCCAT-01-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/> Field Inspector
✓		IRCCAT-01-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/> Field Inspector
✓		IRCCAT-01-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/> Field Inspector

**Declaration of Required Certificates of Acceptance** – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		IRCCAT-01-03-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/> Field Inspector
✓		IRCCAT-01-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/> Field Inspector
✓		IRCCAT-01-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/> Field Inspector

[illegible][illegible]

	
<del>           AGENCY TRACKING NO. 63321-269            FILE NO. 15-6            IDENTIFICATION STAMP            DIV. OF THE STATE ARCHITECT            OFFICE OF REGULATION SERVICES  <b>03-18-017</b>            AC — FLS SS <b>17</b>            DATE <b>MAY 24 2010</b> </del>	
<b>PROJECT SPECIFIC STATE AGENCY APPROVAL</b> <del>           IDENTIFICATION STAMP            DIV. OF THE STATE ARCHITECT  <b>04 116284</b>            AC — FLS <b>(1)</b> SS <b>BAE</b>            DATE <b>MAY 18 2017</b> </del>	
<b>ORIGINAL PC STATE AGENCY APPROVAL</b> <div style="display: flex; align-items: center;"> <div style="width: 20%; border: 1px solid black; padding: 5px; font-size: 0.8em;">             PRE-CHECK (PC) DOCUMENT              CODE: 2015 CBC              A SEPARATE PROJECT APPLICATION              FOR CONSTRUCTION IS REQUIRED           </div> <div style="width: 80%; text-align: center;"> <del>               IDENTIFICATION STAMP                DIV. OF THE STATE ARCHITECT                OFFICE OF REGULATION SERVICES  <b>PC 04-114102</b>                AC — FLS SS <b>BAE</b>                DATE <b>AUG - 4 2015</b> </del> </div> </div>	
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<b>SILVER CREEK INDUSTRIES</b> <b>24" x 40" PC - 2:12 PITCH</b>	
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15
P.C. SHEET NUMBER	
A-0.6F	

**Lydia Barron**



24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

#### LEGEND

Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.  
DCV: Demand Control Ventilation

#### NOTE

Buildings utilizing exterior wall constructed of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.  
Windows shall be IWC 6200 horizontal slider (S8 60 / Ch) or equal (Min), U-Factor = .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)  
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

#### LEGEND

Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.  
DCV: Demand Control Ventilation

#### NOTE

Buildings utilizing exterior wall constructed of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.  
Windows shall be IWC 6200 horizontal slider (S8 60 / Ch) or equal (Min), U-Factor = .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)  
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - CONCRETE FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - CONCRETE FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

#### LEGEND

Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.  
DCV: Demand Control Ventilation

#### NOTE

Buildings utilizing exterior wall constructed of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.  
Windows shall be IWC 6200 horizontal slider (S8 60 / Ch) or equal (Min), U-Factor = .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)  
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE SINGLE-ZONE (MINIMUM DESIGN)																	ALL ZONES (MIN.DESIGN)
ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1-16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

#### LEGEND

Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.  
DCV: Demand Control Ventilation

#### NOTE

Buildings utilizing exterior wall constructed of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.  
Windows shall be IWC 6200 horizontal slider (S8 60 / Ch) or equal (Min), U-Factor = .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)  
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

## CONSTRUCTION WASTE MANAGEMENT PLAN

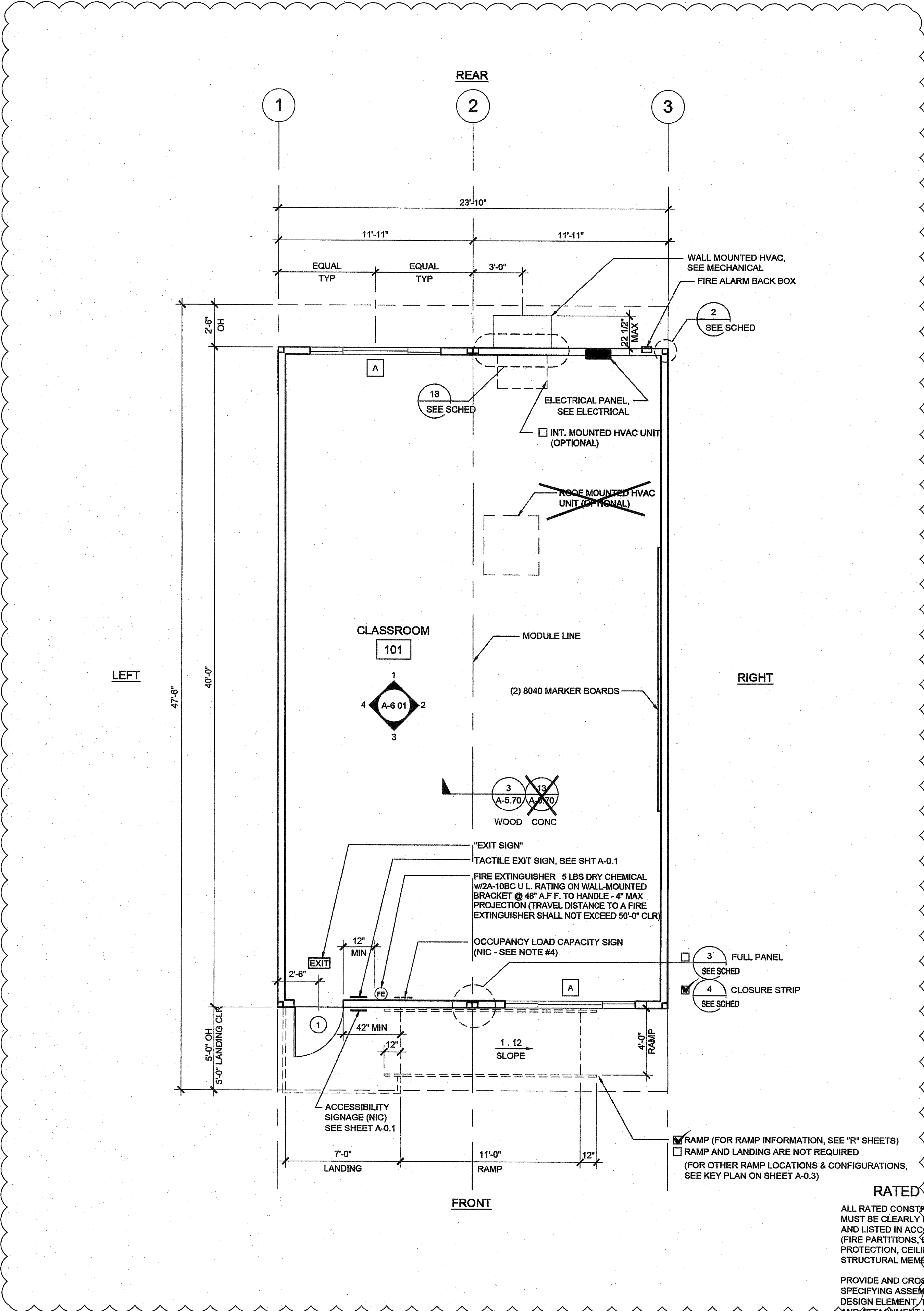
### A. DEFINITIONS

- CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
- RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
- 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

- GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS





**RATED CONSTRUCTION NOTES**

ALL RATED CONSTRUCTION (BOTH VERTICAL AND HORIZONTAL) MUST BE CLEARLY DEFINED, CORRECTLY IDENTIFIED, DETAILED, AND LISTED IN ACCORDANCE WITH CBC CHAPTERS 3, 5, 6, 7 & 10 (FIRE PARTITIONS, BARRIERS, WALLS, SHAFTS, EGRESS PROTECTION, CEILINGS, OPENING PROTECTION, PENETRATION, STRUCTURAL MEMBERS, ETC.)

PROVIDE AND CROSS-REFERENCE INSULATION DETAILS, SPECIFYING ASSEMBLY LISTING NUMBERS FOR ALL REQUIRED DESIGN ELEMENTS/DETAILS, INCLUDING ALL COMPONENTS AND ATTACHMENT SCHEDULE FOR FIRE-RESISTIVE MATERIALS TO THE FRAMING, SHALL CONFORM IN EVERY PARTICULAR WITH THE DESIGN NUMBER SPECIFIED

PROVIDE AND CROSS-REFERENCE CONNECTION DETAILS AT ALL WALL TERMINATIONS (HEAD, BASE AND END) DEMONSTRATING CONTINUITY PER CBC 706.5

PROVIDE AND CROSS-REFERENCE DETAILS OF ALL PENETRATIONS & OPENING PROTECTION IN RATED ASSEMBLIES

COORDINATE PENETRATION PROTECTION REQUIREMENTS WITH ALL DESIGN ELEMENTS (ELECTRICAL, MECHANICAL, PLUMBING, STRUCTURAL, FIRE ALARMS, SPRINKLERS, ETC.)

- NOTES**
- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE (PER IR 16-1 13)
  - (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, Kzt = 1.0, 2013 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER Ss.
  - VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 903.7.
  - LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
  - POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CBC 1004.3 & TITLE 19 C.C.R. (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
  - IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS REL-101 & REL-102.
  - FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS. PER IR-16-1 13

**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

**WALL LEGEND**

	NOMINAL 4" WALL STUD <input checked="" type="checkbox"/>
	NOMINAL 6" WALL STUD <input checked="" type="checkbox"/>
	NOMINAL 8" WALL STUD <input type="checkbox"/>
	WINDOW PER SCHEDULE SHEET A-0 2
	DOOR PER SCHEDULE SHEET A-0 2

**NOTE:**  
IF PARAPET IS USED & HIGHER THAN 18", END WALLS MUST BE 2x6 @ 24" O.C.

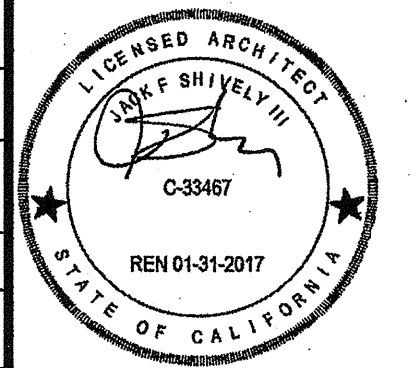
THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
**SILVER CREEK**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**FLOOR PLAN  
24' x 40'**



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-5  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118018  
AC ☒ FLS ☒ SS ☒ RAE  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04 116281  
AC ☒ FLS ☒ SS ☒ RAE  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  
PRE CHECKED DOCUMENT  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-144102  
AC ☒ FLS ☒ SS ☒ RAE  
DATE AUG 4 2015

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2 12 PITCH  
PROJECT NO.  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

P.C. SHEET NUMBER  
**A-1.01**

REFER TO SHEET "A-1.01N" FOR PROJECT SPECIFIC



NOT USED

2

NOT USED

3

REFLECTED CEILING PLAN

1

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

1

LEGEND

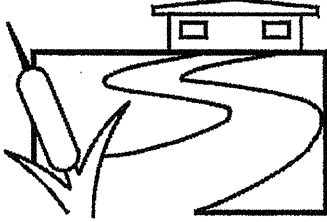
NOTE:  
FOR ALL REFLECTED CEILING NOTES  
SEE SHEET A-0.1.  
  
PROVIDE DRAFT STOP AT AREAS  
EXCEEDING 3,000 sq/ft. DRAFT STOP  
TO BE INSTALLED AT MODLINE.  
  
COORDINATE VAULTED CEILING  
OPTION W/ FIRE SPRINKLER DESIGN.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308  
MAIN RUNNER: 7301  
4" CROSS TEE: XL7341  
2" CROSS TEE: XL7328  
  
STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308)  
FOR DETAILS SEE 18, 19/A-2.20,  
2" WALL ANGLE: 7810 (OPTIONAL)

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE  
NEXT GENERATION"

SILVER CREEK

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

PROJECT NAME:  
  
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:  
  
REFLECTED CEILING  
PLAN  
24' x 40' - VAULTED CEILING

LICENSED ARCHITECT  
D. F. BRIVELY III  
C-33467  
REN 01-31-2017  
STATE OF CALIFORNIA

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118018  
AC FLS SS RAE  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04 116284  
AC FLS SS RAE  
DATE MAY 8 2017

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE: 0013 ORS  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC FLS SS RAE  
DATE AUG 4 2015

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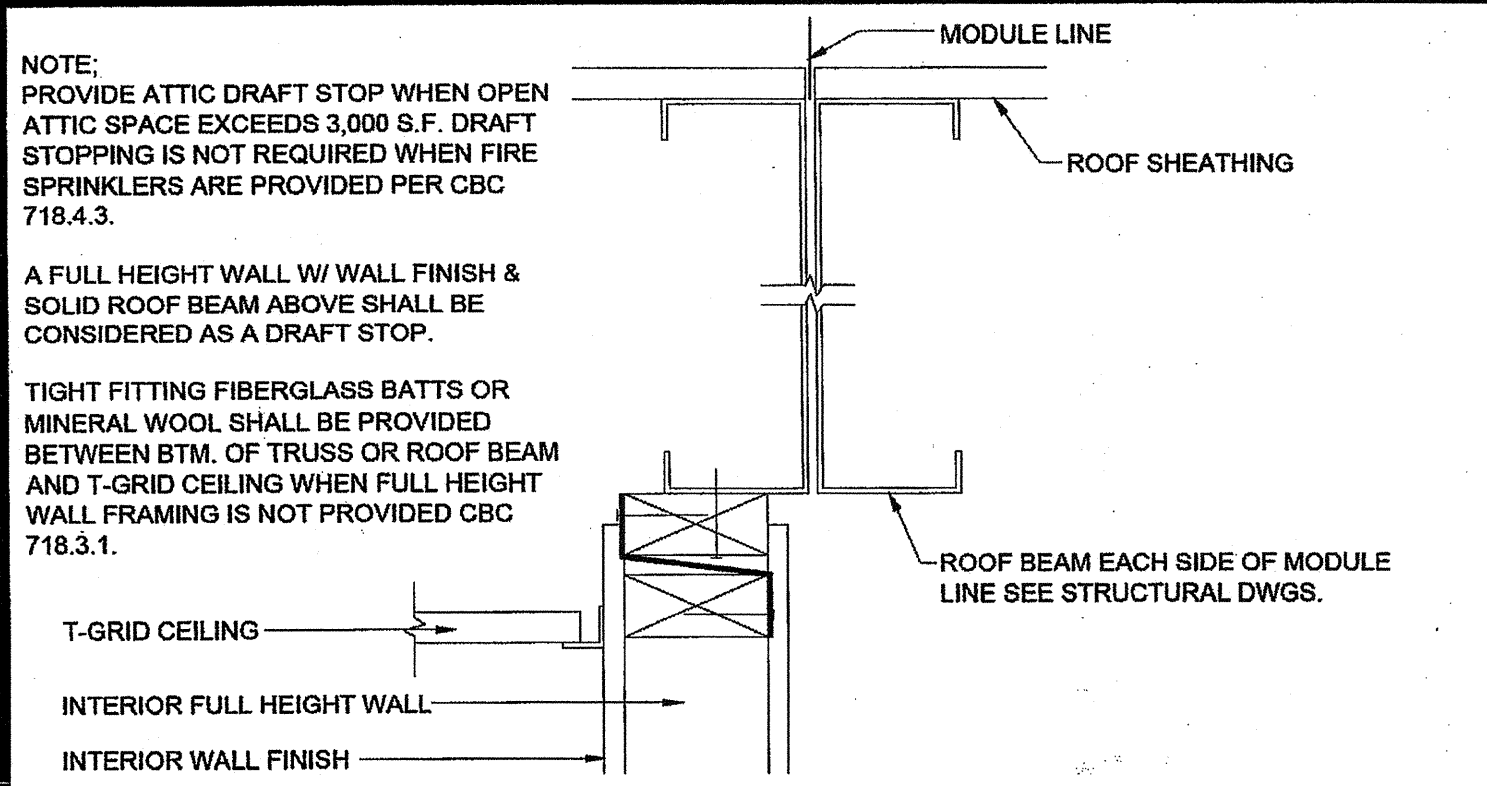
SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

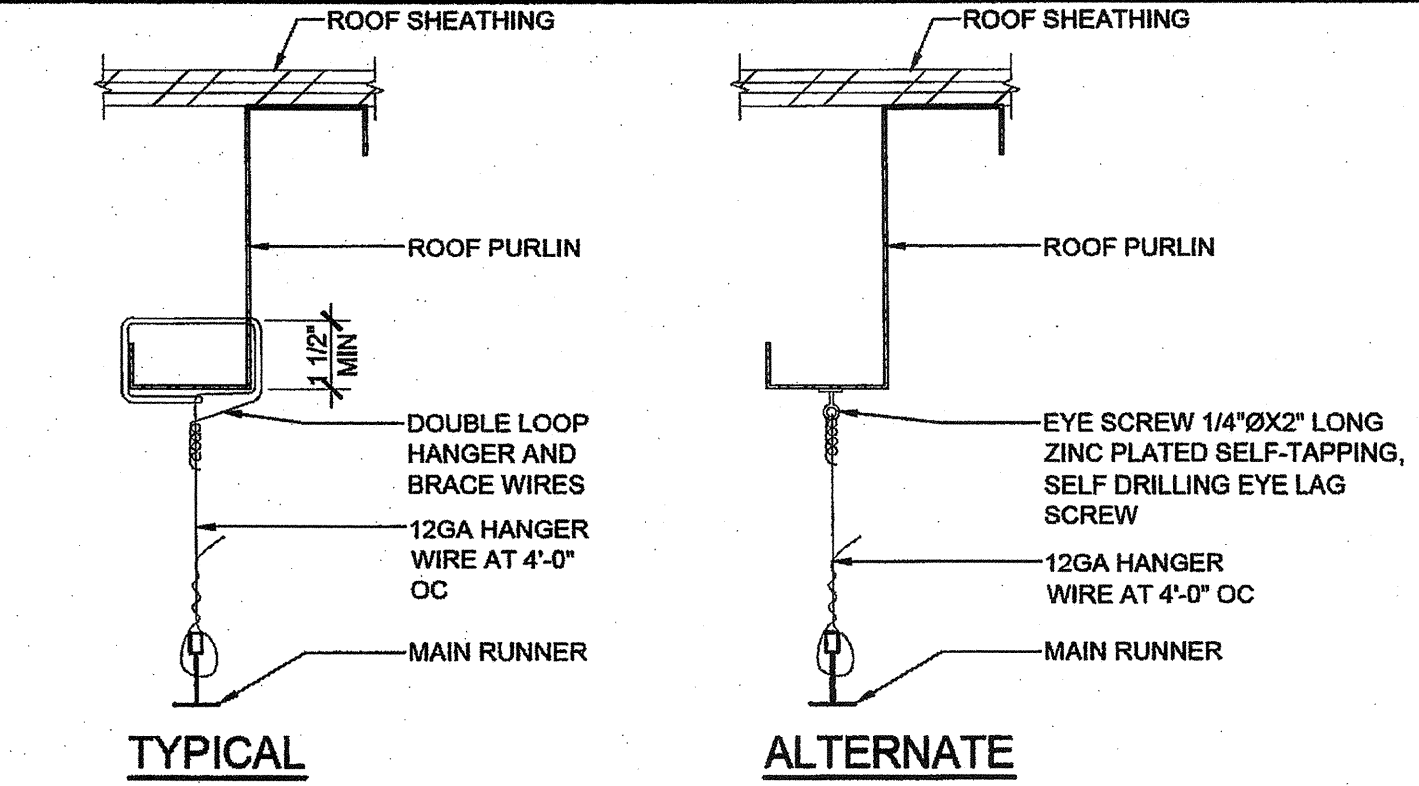
P.C. SHEET NUMBER  
  
A-2.11

REFER TO SHEET "A-2.11N" FOR PROJECT SPECIFIC

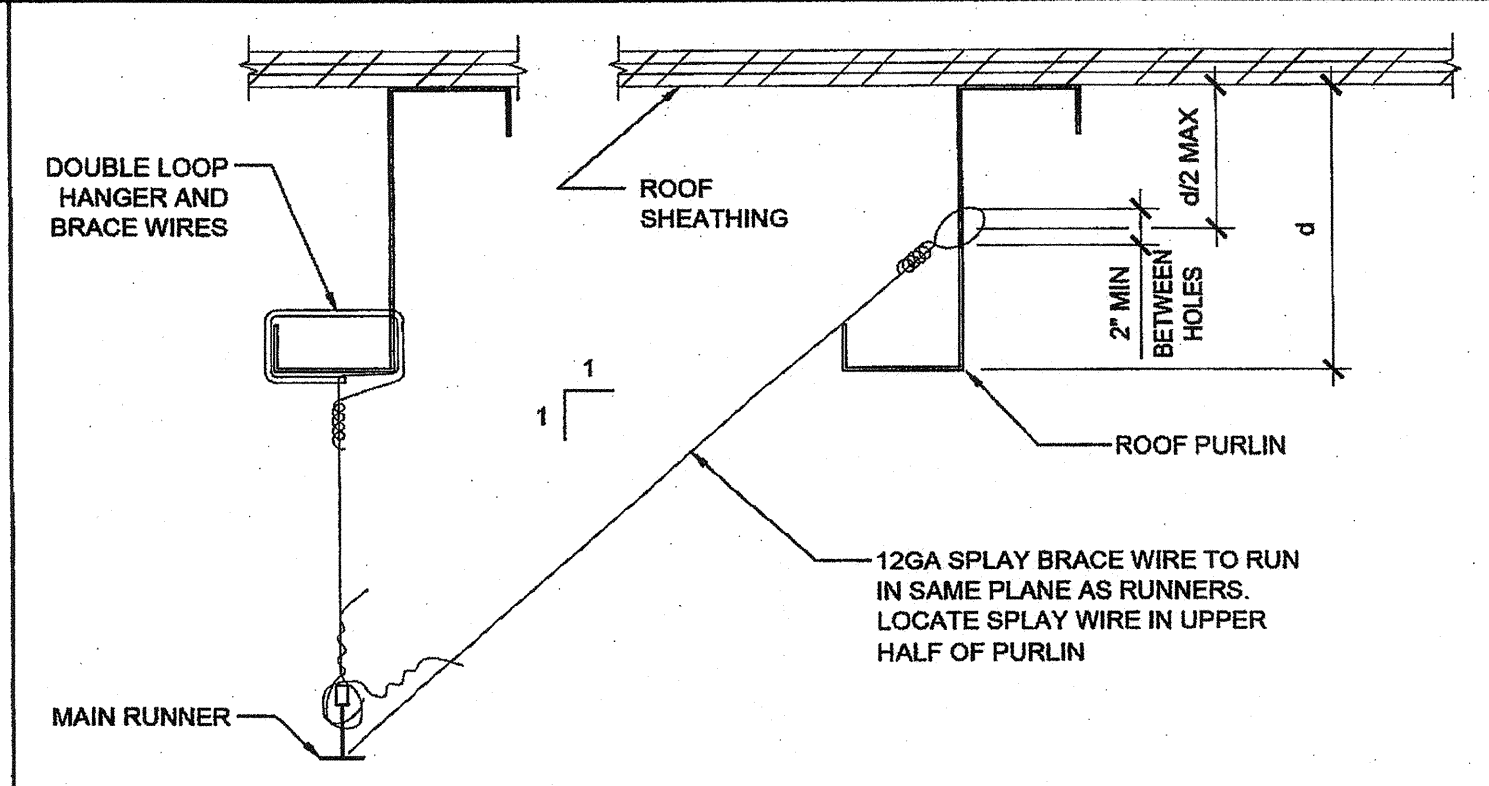




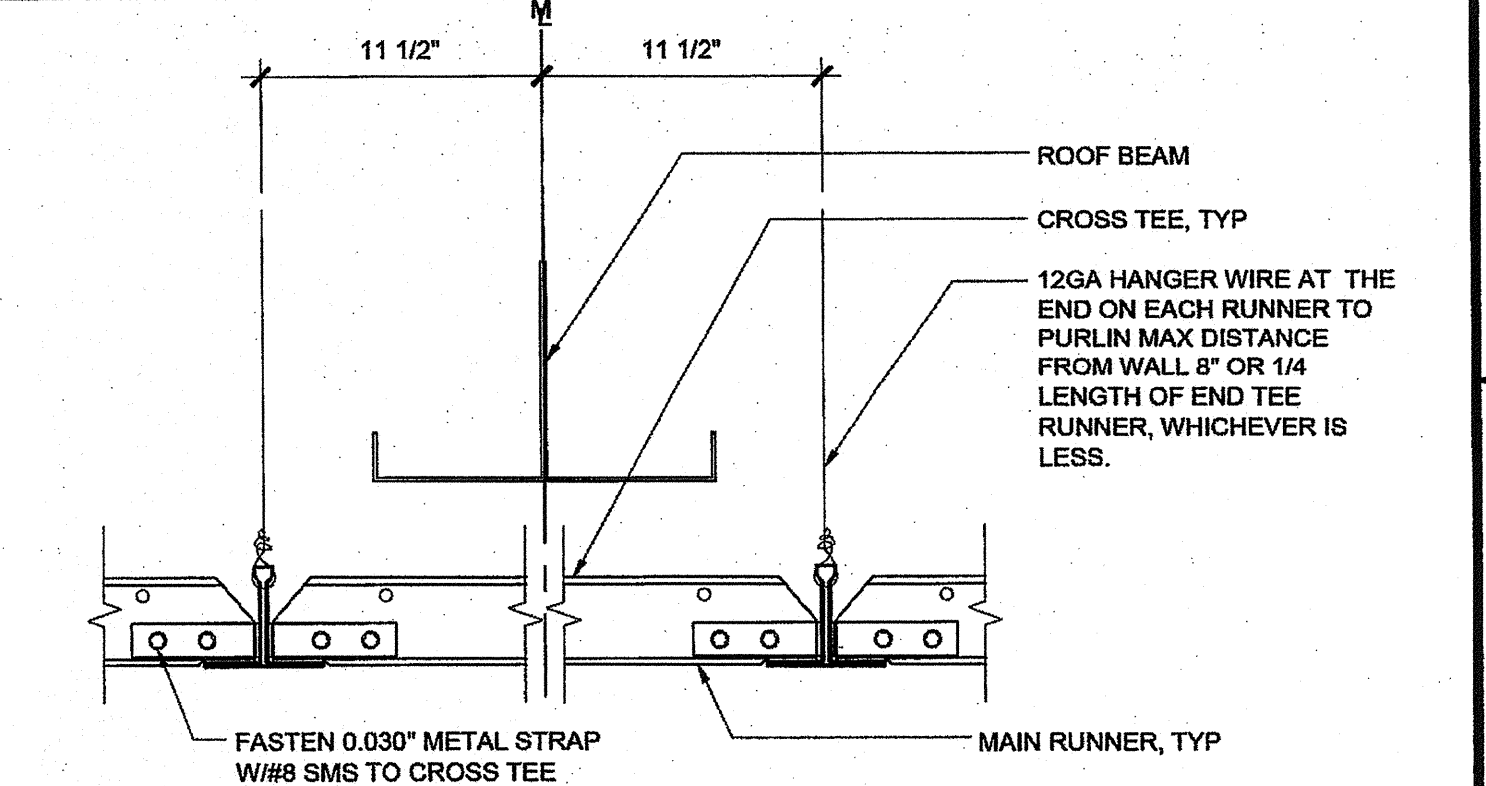
ATTIC DRAFT STOP SCALE: N.T.S. 16



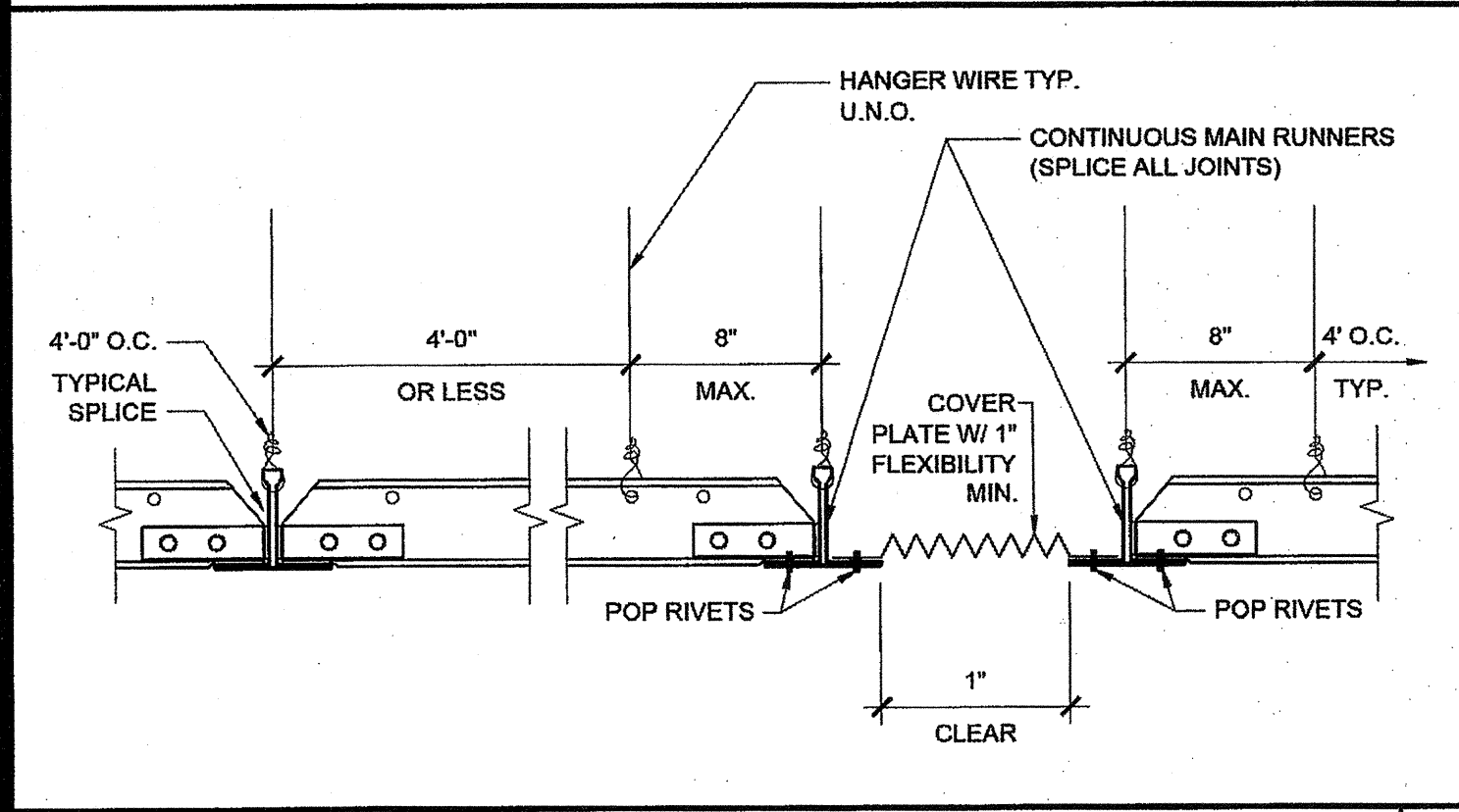
HANGER WIRE DETAIL SCALE: 3"=1'-0" 11



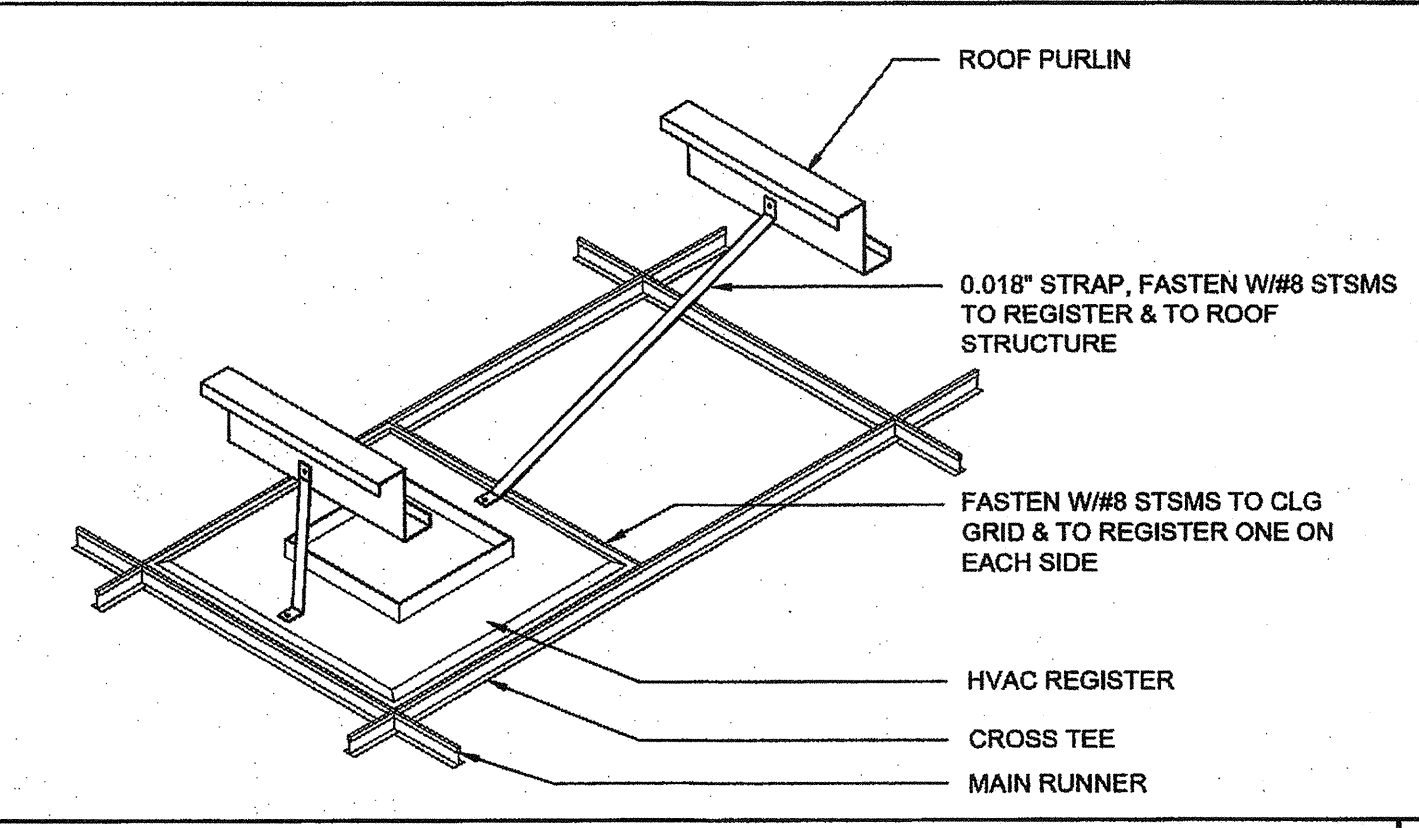
SPLAY BRACING WIRE SCALE: 3"=1'-0" 6



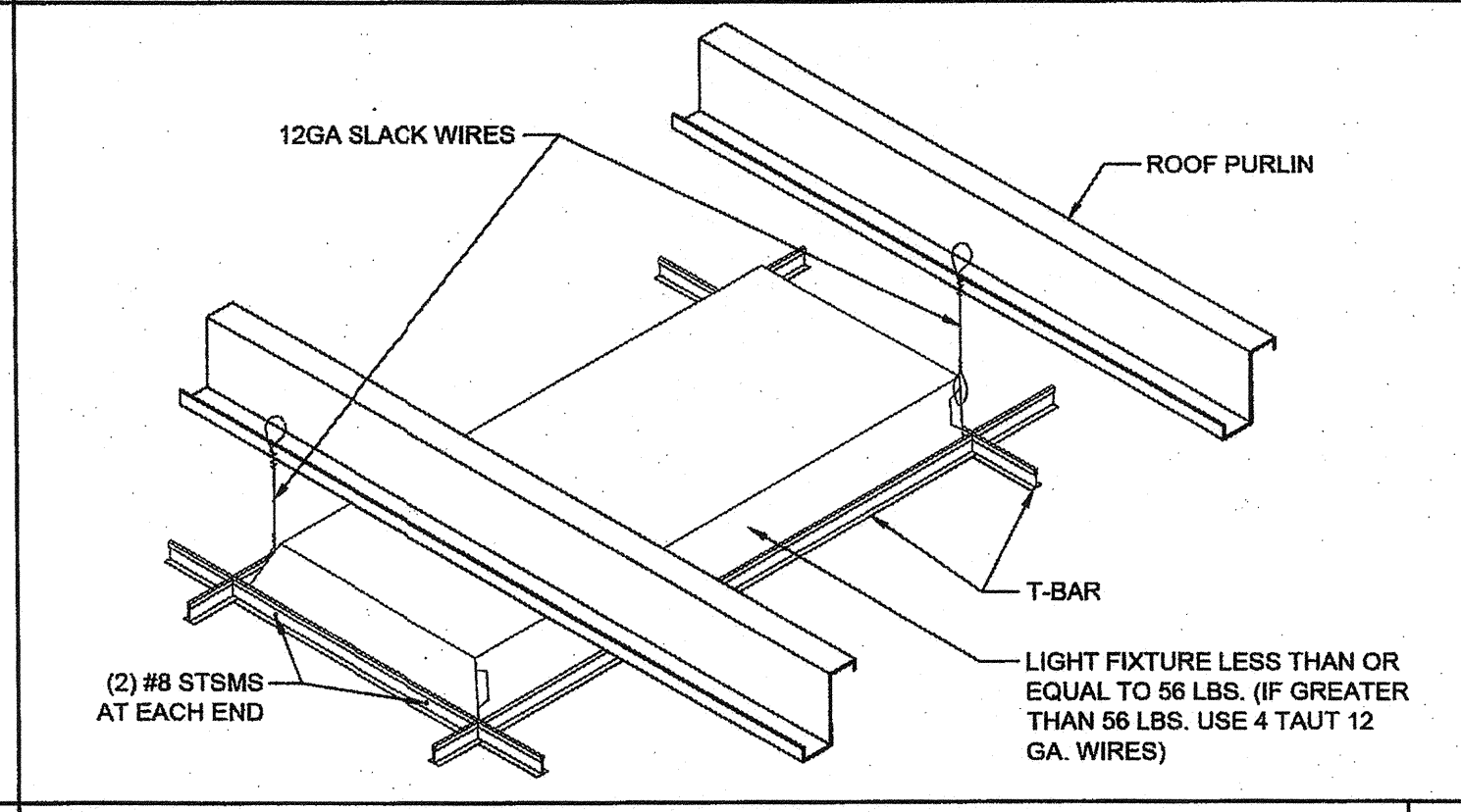
GRID AT MODLINE SCALE: 3"=1'-0" 1



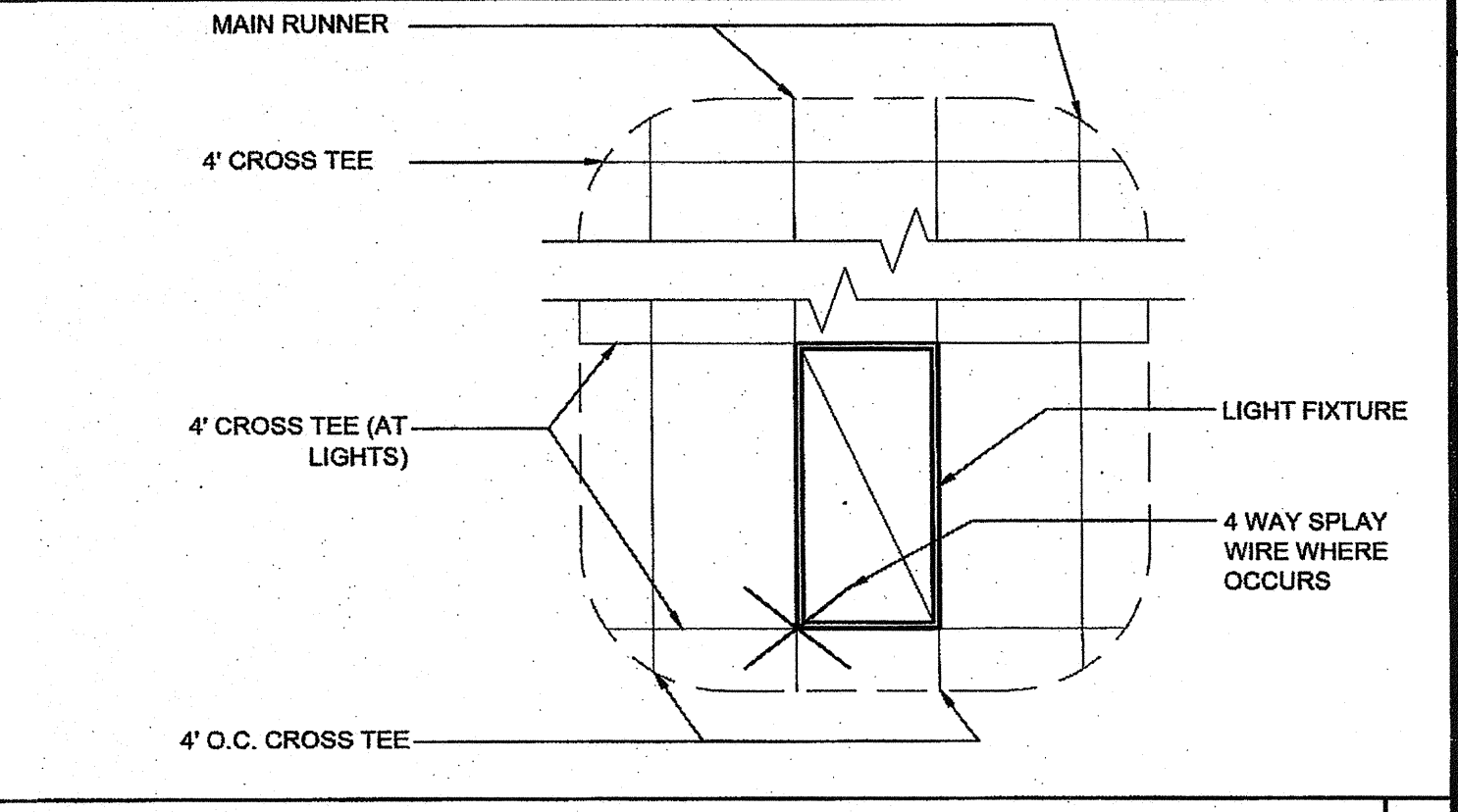
GRID SEISMIC SEPARATION JOINT SCALE: 3"=1'-0" 17



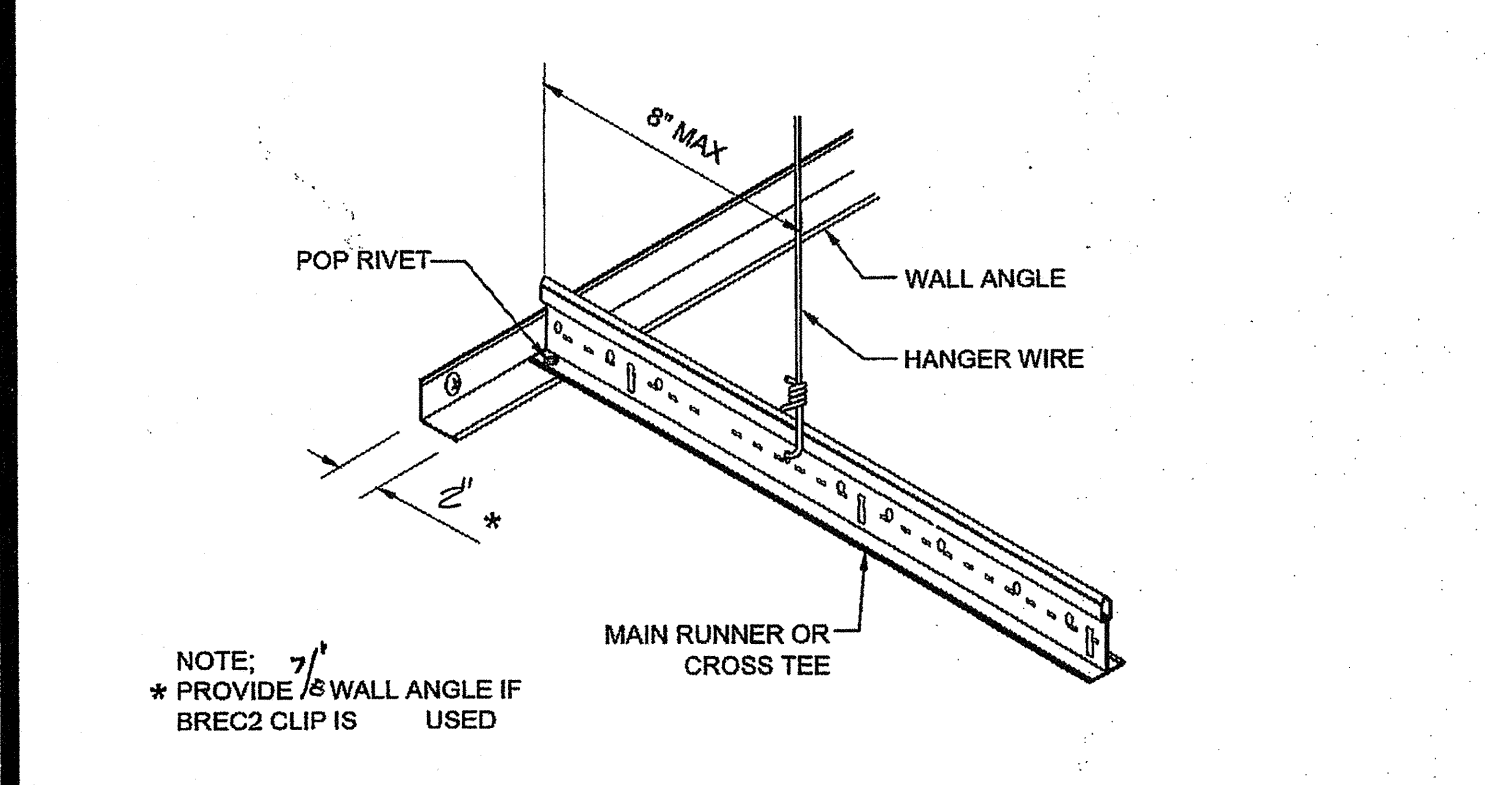
HVAC REGISTER MOUNTING SCALE: NTS 12



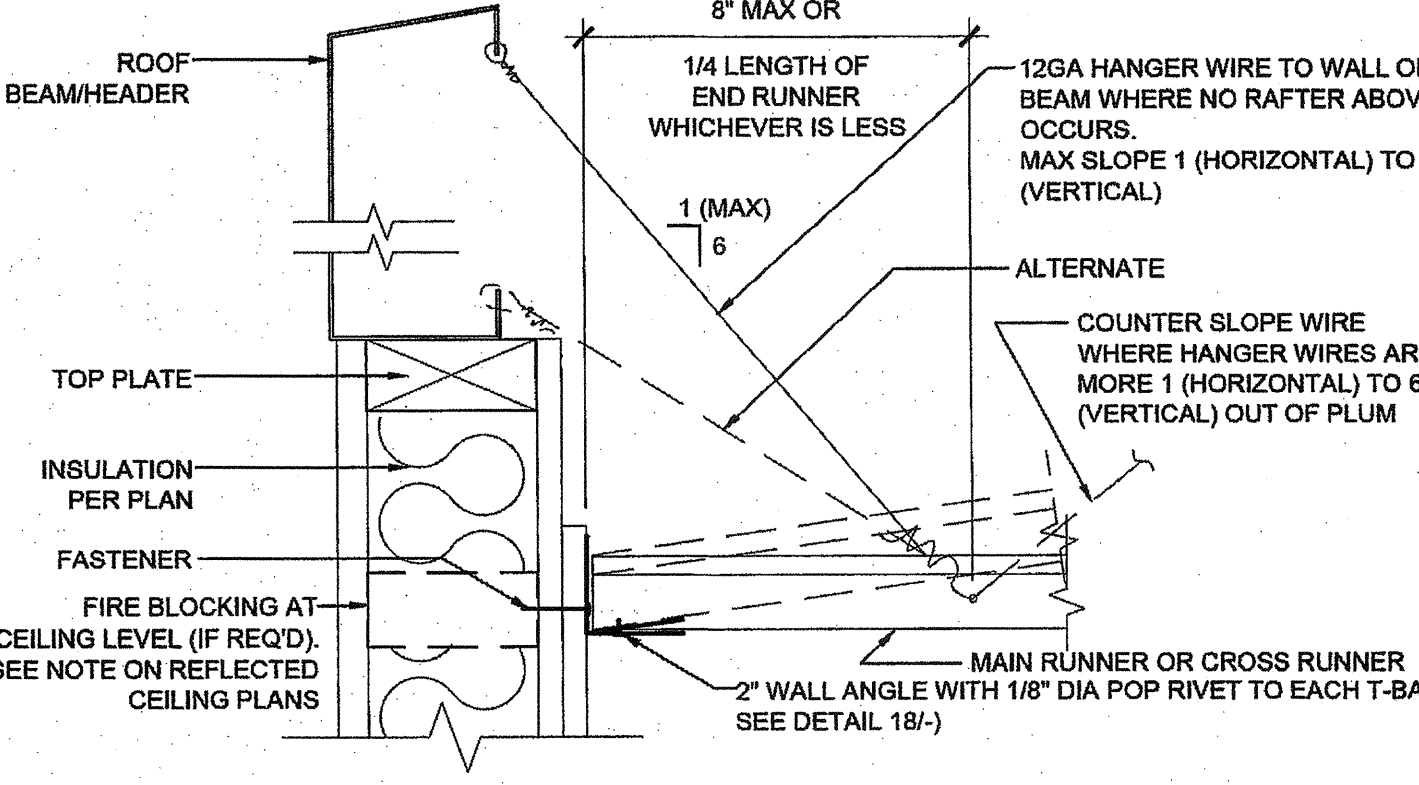
LIGHT FIXTURE MOUNTING SCALE: NTS 7



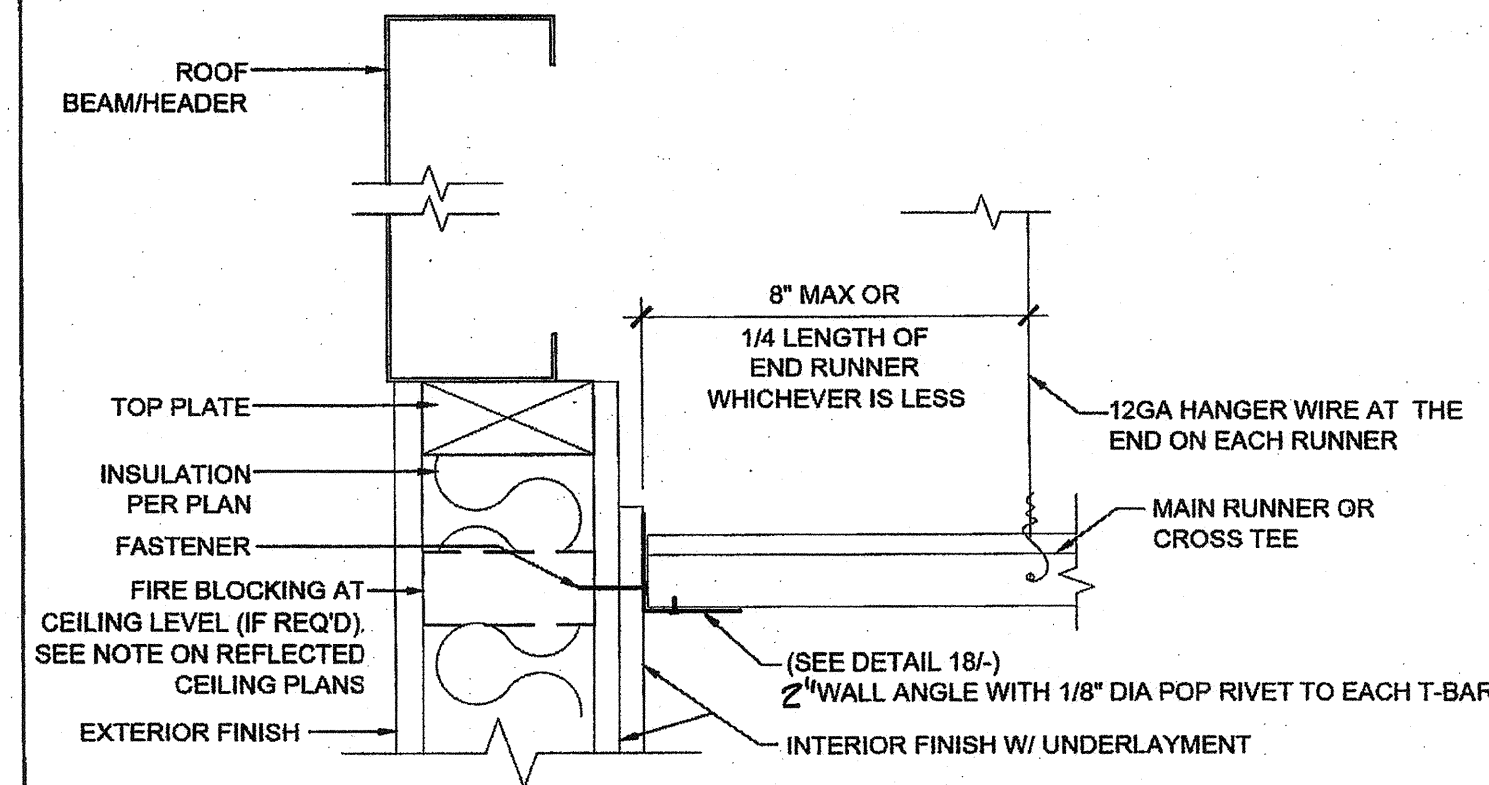
4' CROSS TEE AT LIGHTS SCALE: 3/8"=1'-0" 2



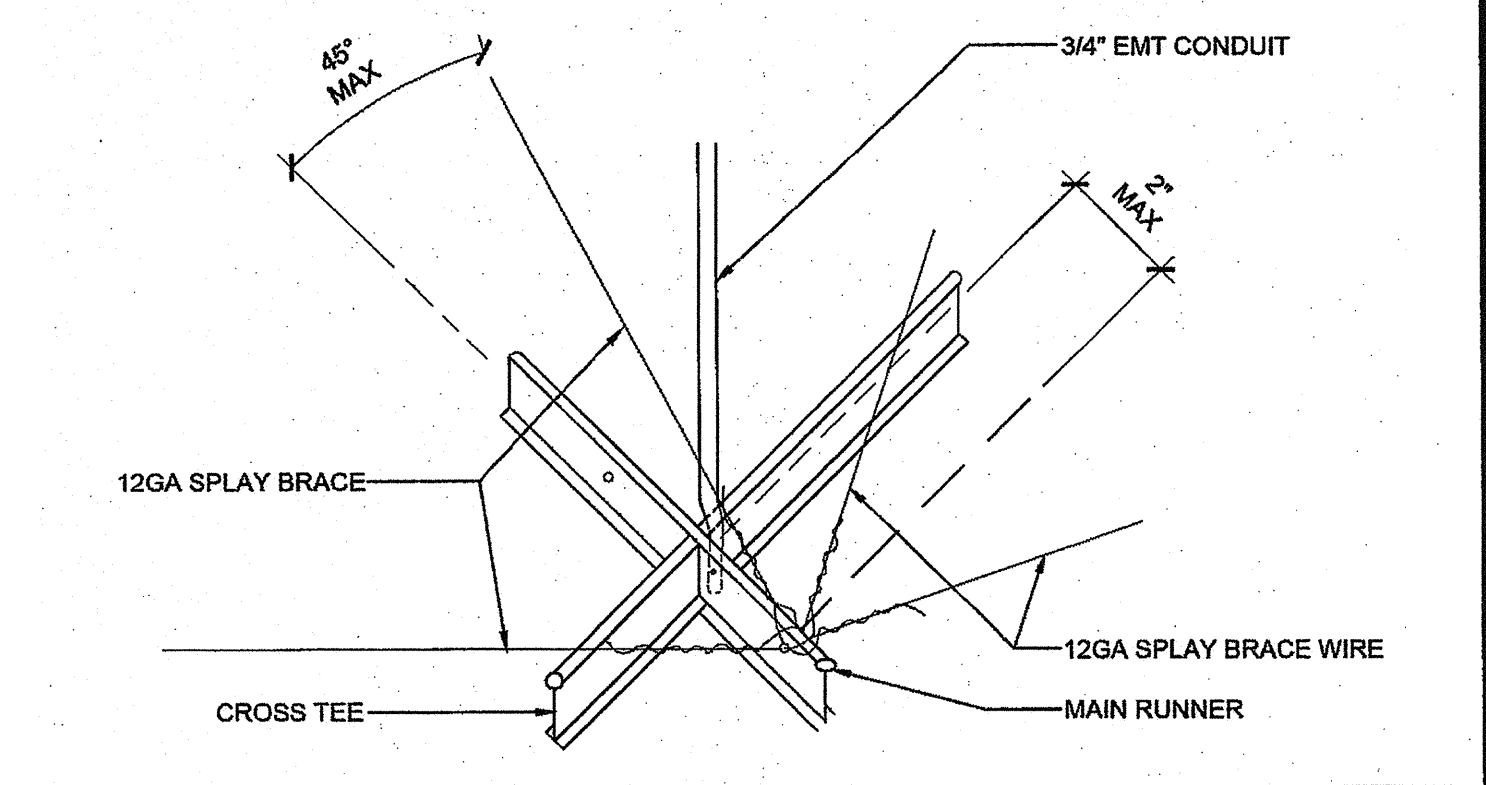
FIXED SIDE SCALE: NTS 18



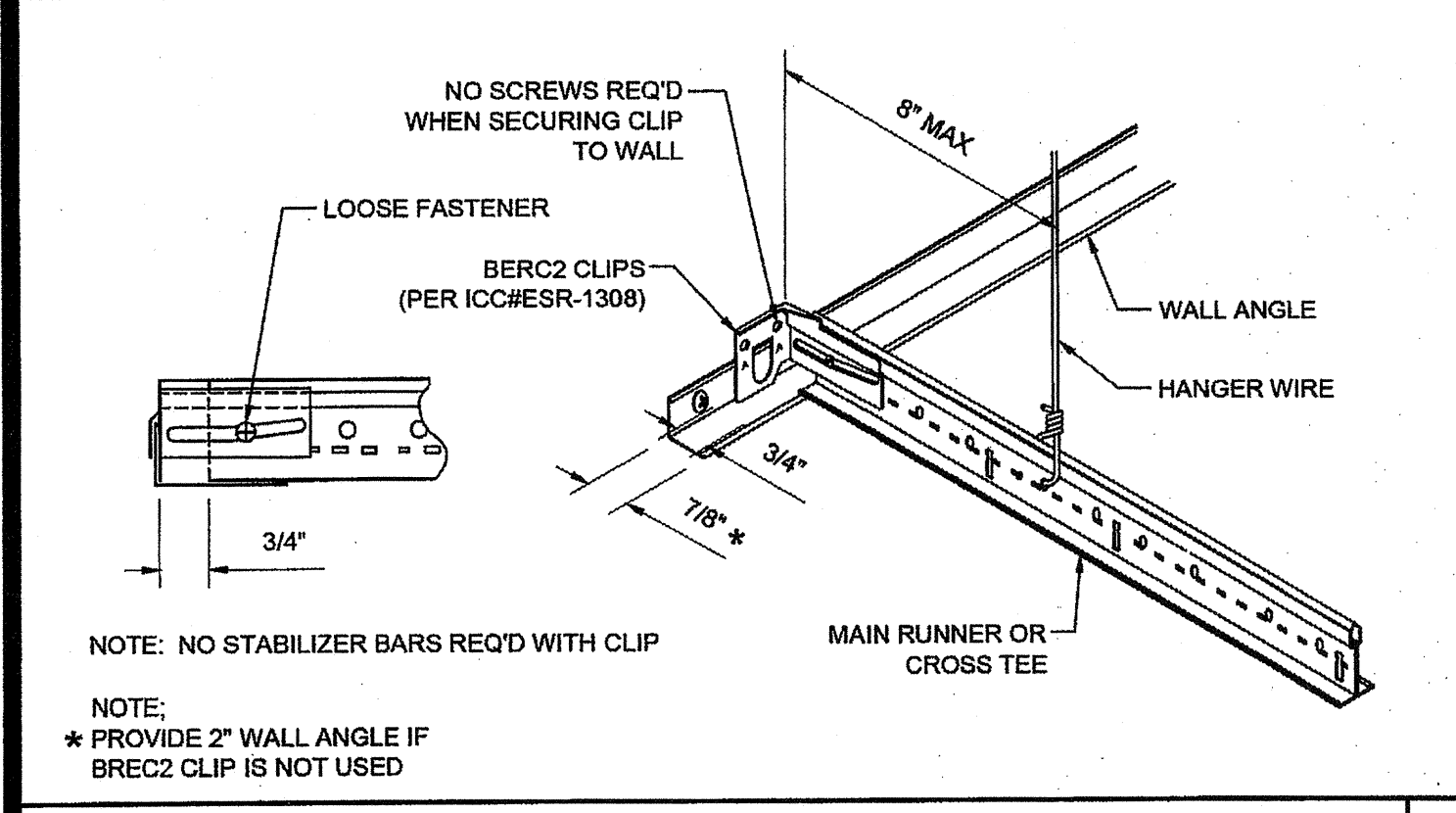
FIXED SIDE (ENDWALL) SCALE: 3"=1'-0" 13



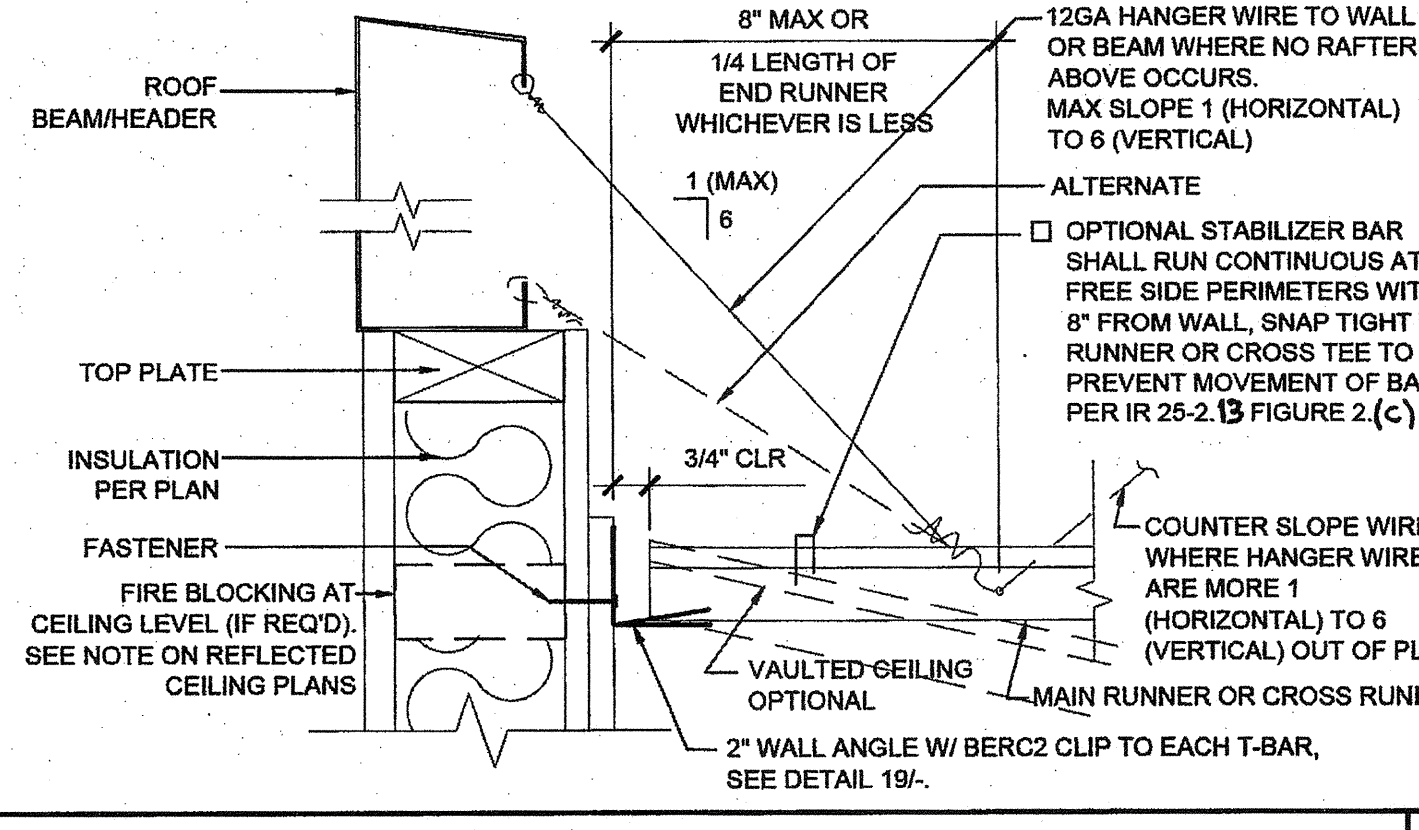
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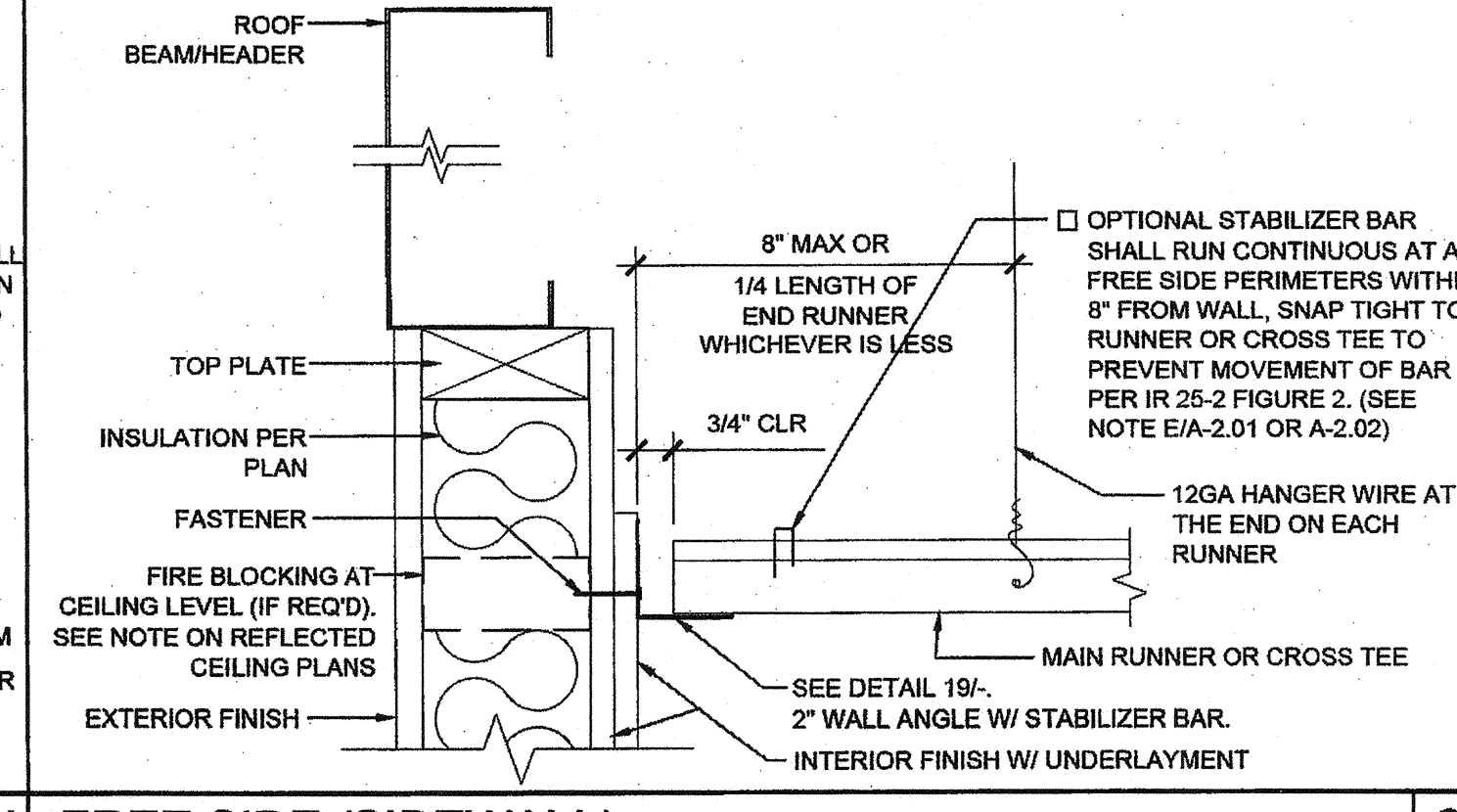
SEISMIC SPLAY - 4 WAY SCALE: NTS 3



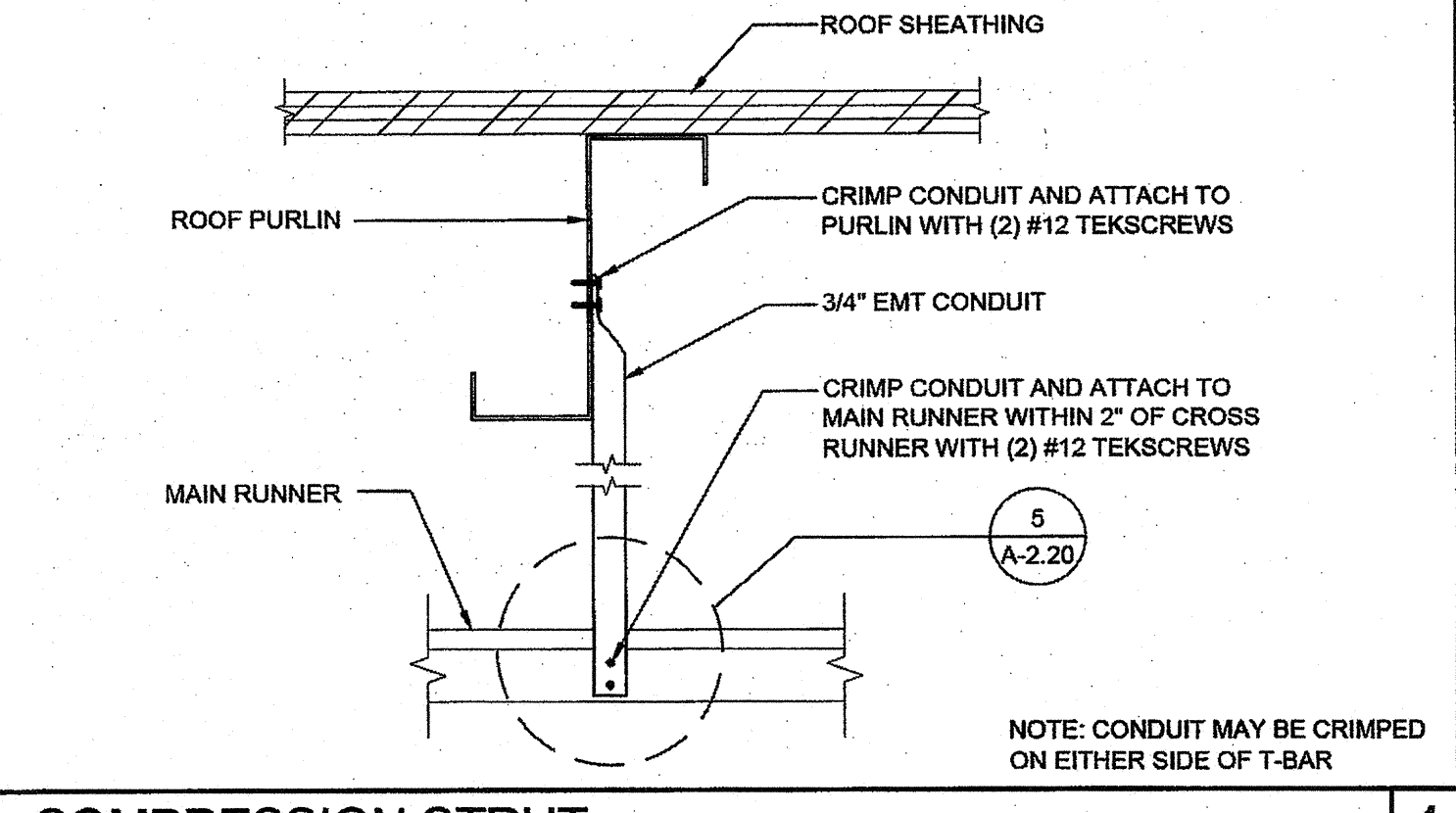
FREE SIDE SCALE: NTS 19



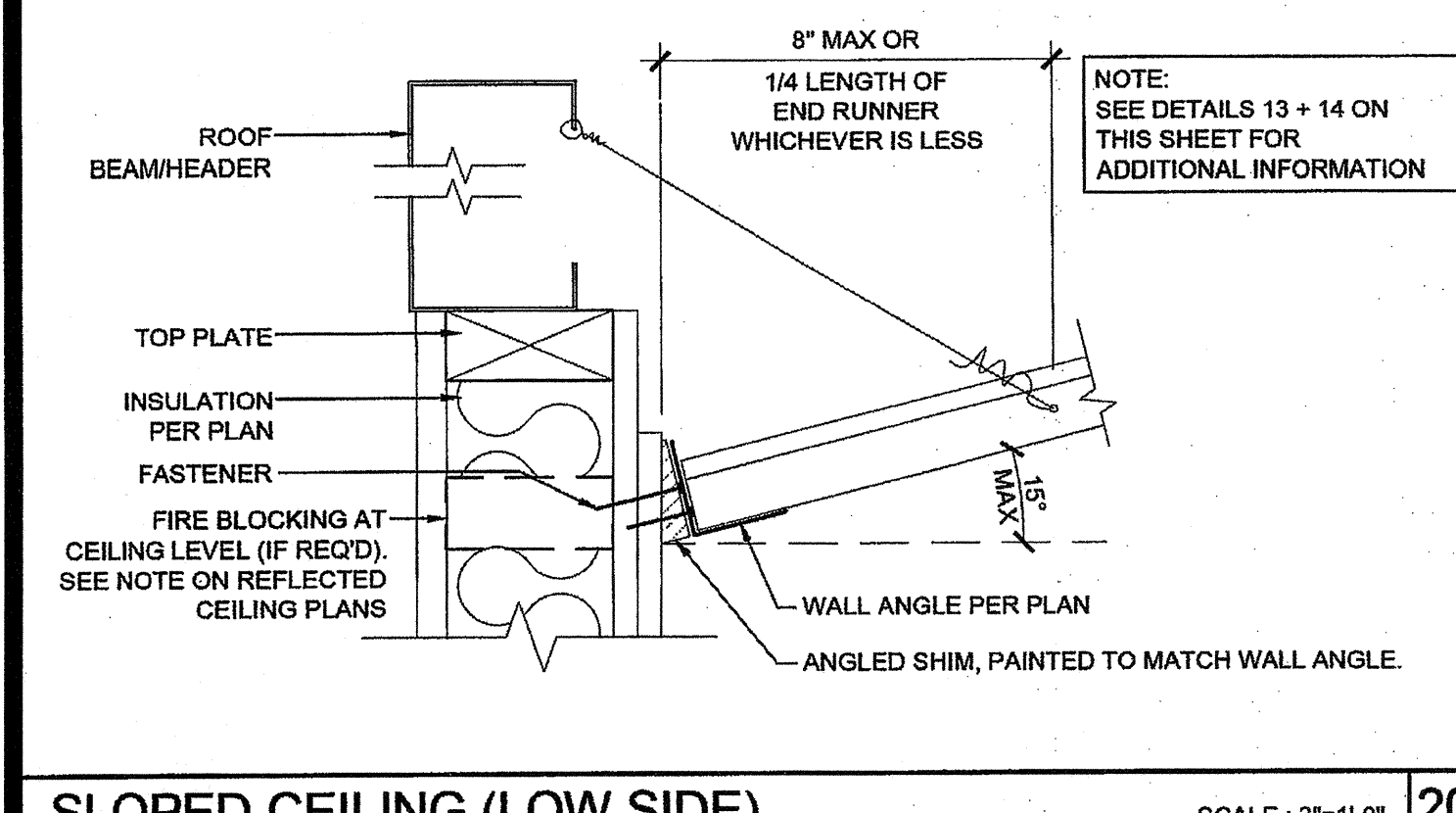
FREE SIDE (ENDWALL) SCALE: 3"=1'-0" 14



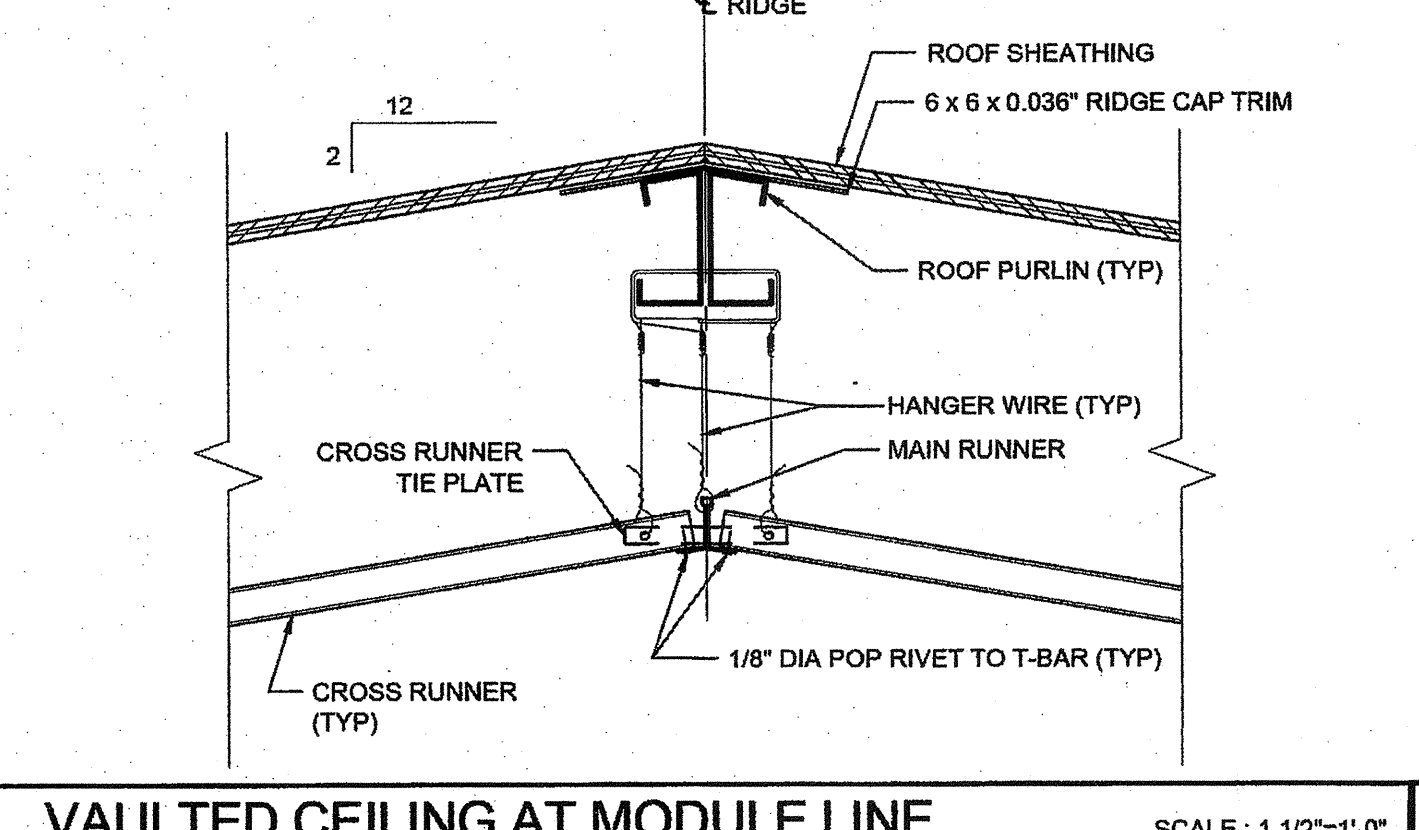
FREE SIDE (SIDEWALL) SCALE: 3"=1'-0" 9



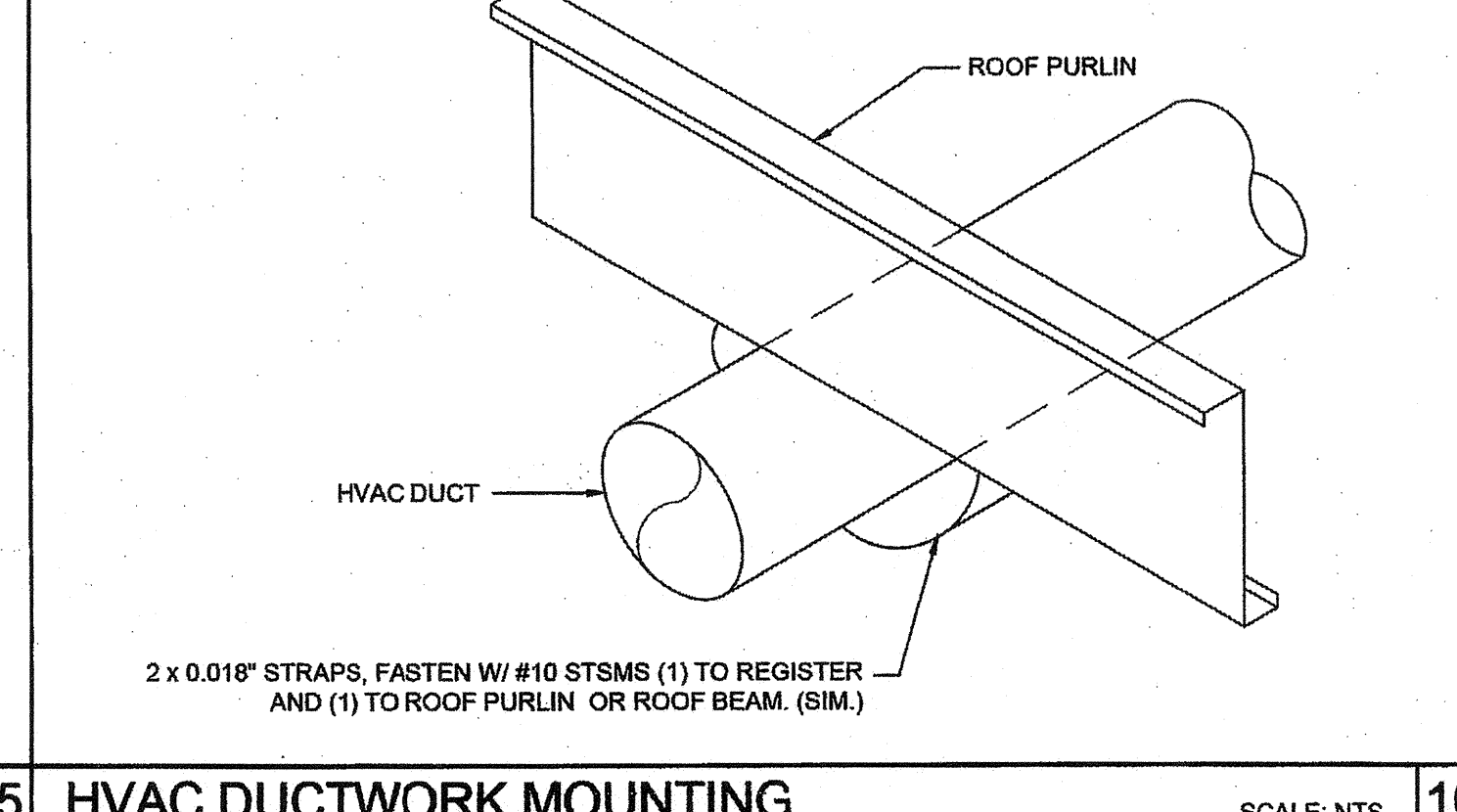
COMPRESSION STRUT SCALE: 3"=1'-0" 4



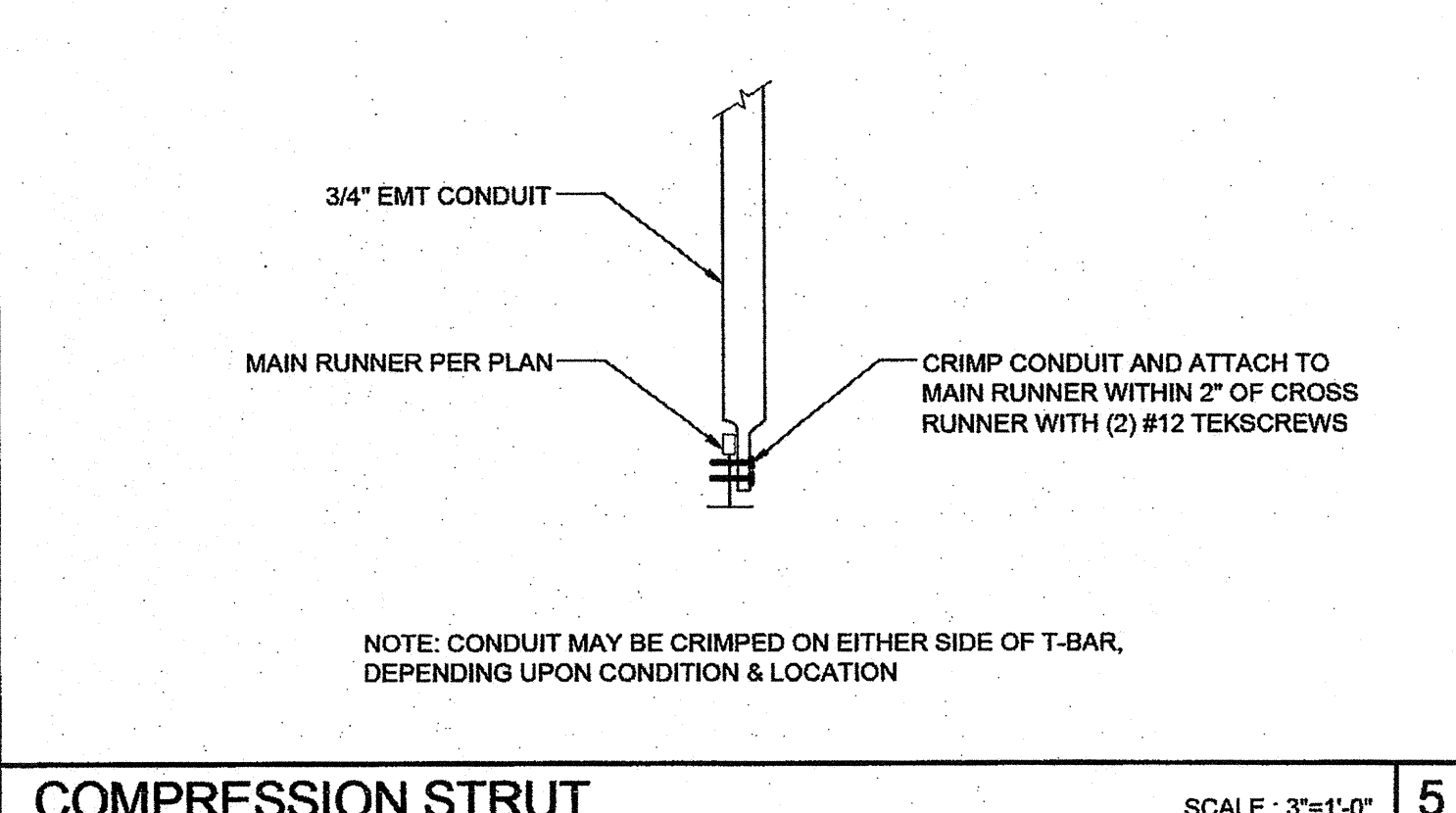
SLOPED CEILING (LOW SIDE) SCALE: 3"=1'-0" 20



VAULTED CEILING AT MODULE LINE SCALE: 1 1/2"=1'-0" 15



HVAC DUCTWORK MOUNTING SCALE: NTS 10



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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"

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

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**CEILING DETAILS T GRID**

LICENSED ARCHITECT  
C-33487  
REN 01-31-2017  
STATE OF CALIFORNIA

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
031188914  
AC ☒ FLS ☒ SS ☒  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04 118284  
ACS ☒ FLS ☒ SS ☒  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECK (EO DOCUMENT CODE 2013) FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC ☒ FLS ☒ SS ☒  
DATE AUG - 4 2015

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

SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:

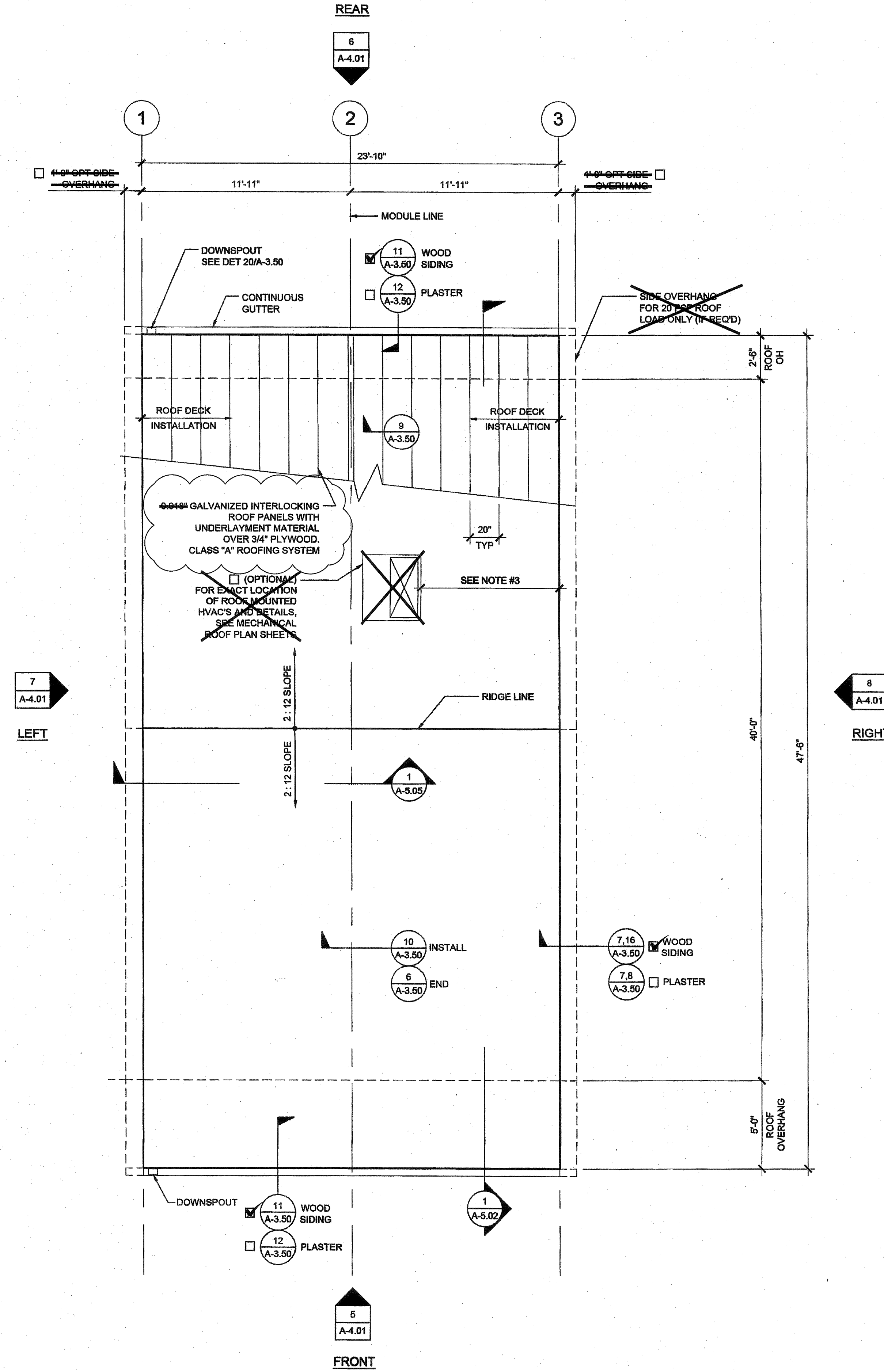
DRAWN BY:

SCALE: AS NOTED

DATE: 01-30-15

P.C. SHEET NUMBER  
**A-2.20**





ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE

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

NOTES

- GROUP E OCCUPANCIES - 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 PROVIDE 42" MIN. GUARDRAIL OR PARAPET. See 18152.50 CBC 2013 SECTIONS 1013.6 & 1013.7.
- FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3. LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP)
- ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.
- WHEN PARAPETS ARE REQUIRED BECAUSE OF FIRE SEPARATION REQUIREMENTS AND/OR PROJECT SPECIFICATIONS, PROVIDE PARAPET PER CBC SECT. 705.11

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
  
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:  
  
ROOF PLAN  
24'x40' - 0.018" METAL DECK  
DUAL SLOPE

~~AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
13112913  
AC FLS SS  
DATE MAY 24 2018~~

~~PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04116281  
AC FLS SS RAJ  
DATE MAY 18 2017~~

~~ORIGINAL PC STATE AGENCY APPROVAL  
FIRE CHECK (PC) DOCUMENT  
CODE 2014 CBC  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC FLS SS RAJ  
DATE AUG 4 2015~~

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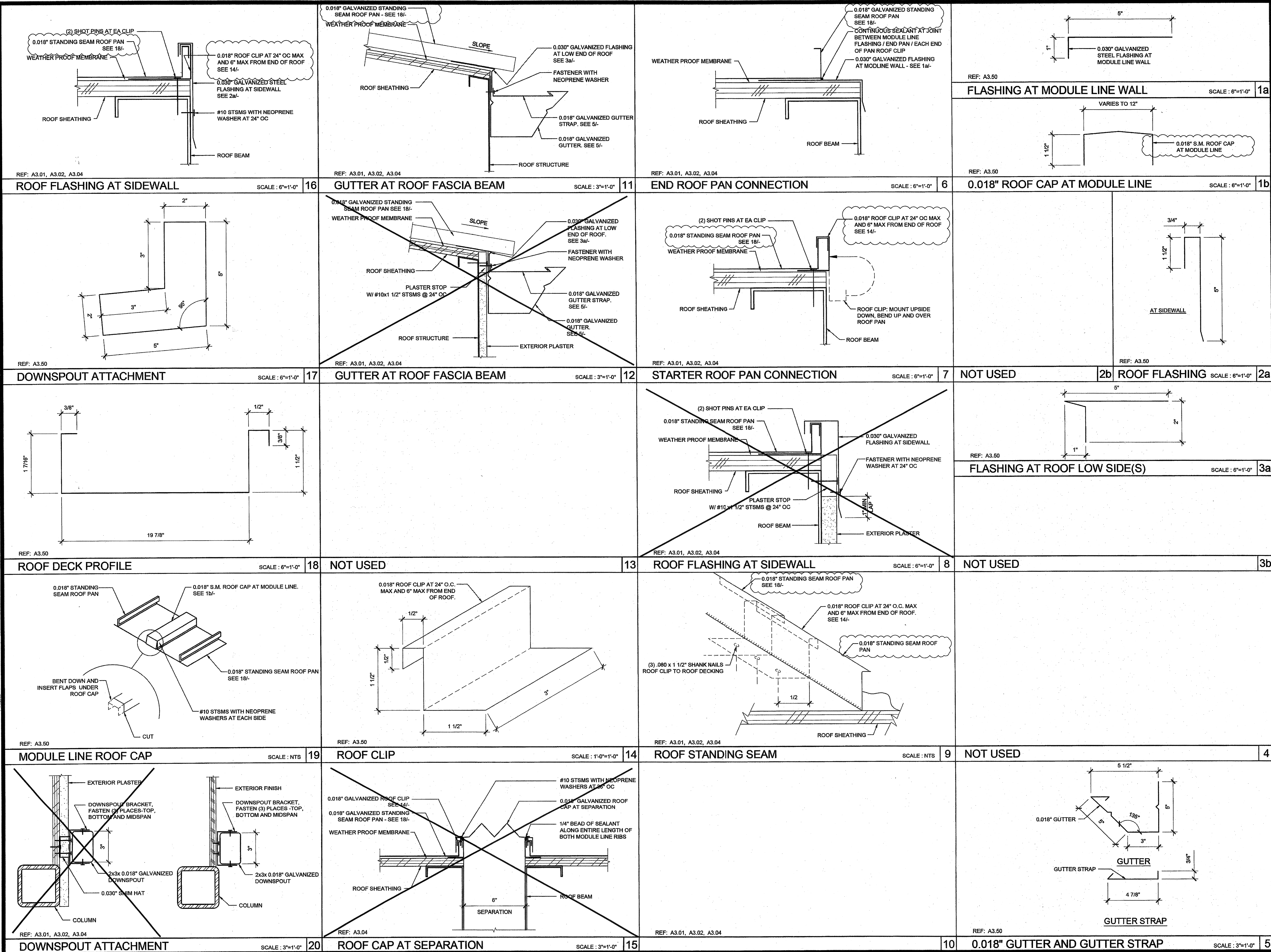
SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER

A-3.01

REFER TO SHEET "A-3.01N" FOR PROJECT SPECIFIC





IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE  
OFFICE BUILDING**

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

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**03118918**  
AC ☒ FLS ☒ SS ☒  
DATE **MAY 24 2018**

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**04 116284**  
ACS ☒ FLS ☒ SS ☒ RAE  
DATE **MAY 16 2017**

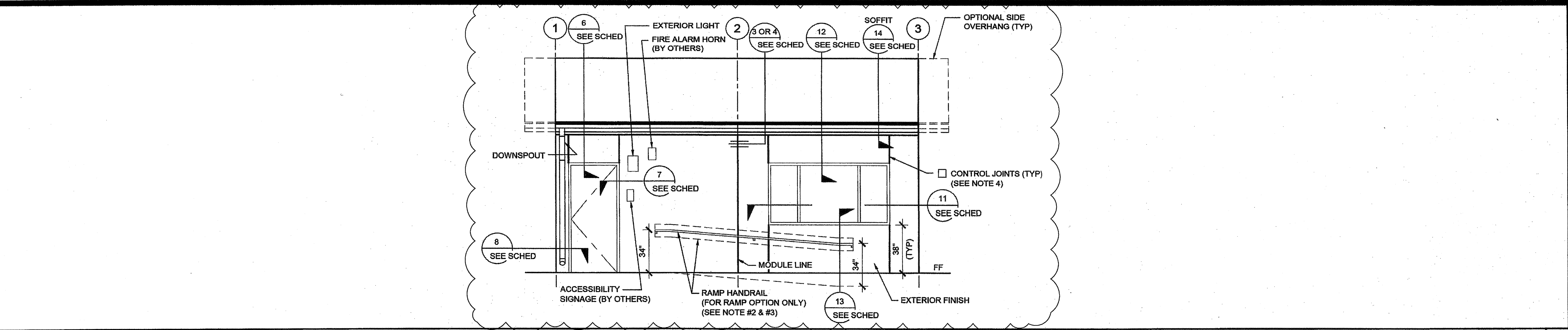
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PRE-CHECK (PC) DOCUMENT  
CODE 2013 C82  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**PC-04-114102**  
AC ☒ FLS ☒ SS ☒ RAE  
DATE **AUG 4 2015**

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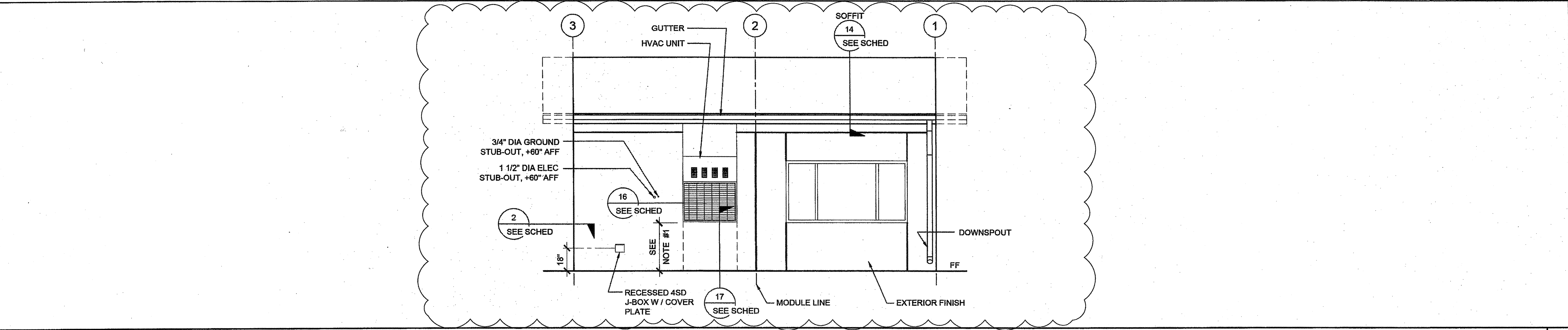
SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
**A-3.50**

REFER TO SHEET "A-3.50N" FOR PROJECT SPECIFIC

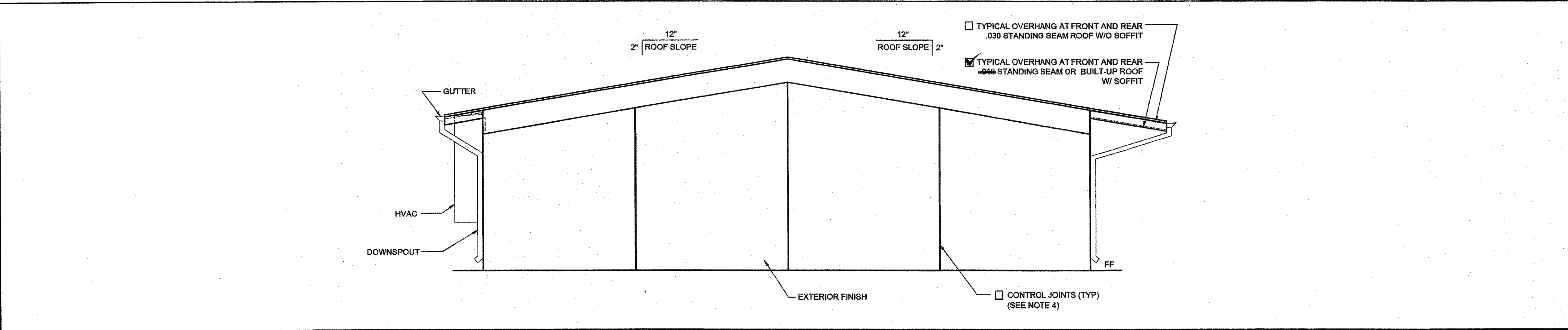




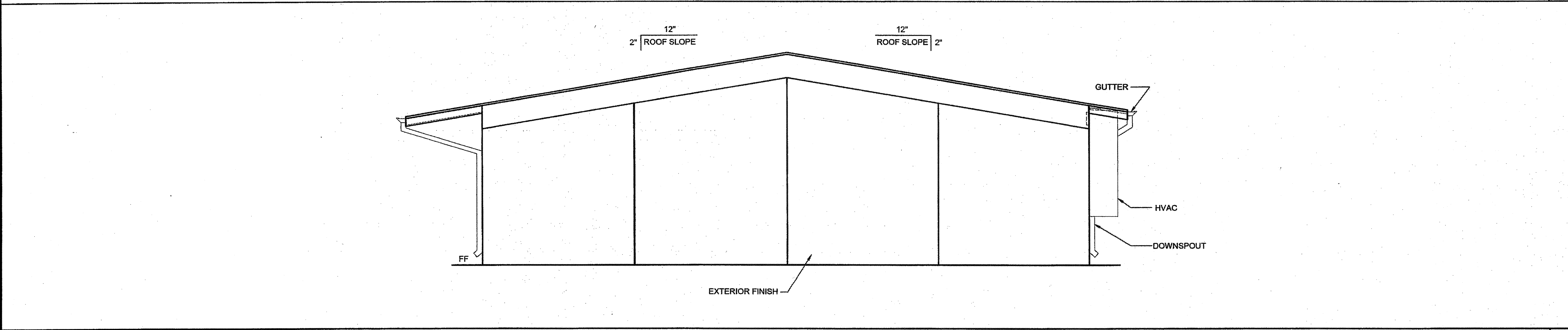
EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE



EXTERIOR ELEVATIONS - REAR - DUAL SLOPE



EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE



EXTERIOR ELEVATIONS - RIGHT - DUAL SLOPE

**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 8" 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. HANDRAIL IS NOT ALLOWED AT PLASTER WALL OPTION WHERE RAMP & HANDRAIL IS AGAINST THE WALL. SEE DETAIL 1/R-1.02 FOR ALTERNATE RAMP APPLICATION.
6. EXTERIOR PROJECTIONS THAT ARE REQUIRED TO BE FIRE PROTECTED SHALL COMPLY W/ SECTION 705 AND 1406, 2013 CBC

DETAIL SCHEDULE	
EXTERIOR 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	A-5.51
WITH WOOD STUDS	
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY	A-5.61
WITH STEEL STUDS	
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	A-5.53
WITH WOOD STUDS	
<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	A-5.63
WITH STEEL STUDS	

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
0311818  
AC: [initials] FLS: [initials] SS: [initials]  
DATE: MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04116281  
AC: [initials] FLS: [initials] SS: [initials]  
DATE: MAY 14 2017

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE 2015 CBC  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC-04-114102  
AC: [initials] FLS: [initials] SS: [initials]  
DATE: AUG 4 2015

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

P.C. SHEET NUMBER  
**A-4.01**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
SILVER CREEK  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**EXTERIOR ELEVATION 24' X 40' DUAL SLOPE**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
0311818  
AC: [initials] FLS: [initials] SS: [initials]  
DATE: MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04116281  
AC: [initials] FLS: [initials] SS: [initials]  
DATE: MAY 14 2017

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE 2015 CBC  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC-04-114102  
AC: [initials] FLS: [initials] SS: [initials]  
DATE: AUG 4 2015

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

P.C. SHEET NUMBER  
**A-4.01**

REFER TO SHEET "A-4.01N" FOR PROJECT SPECIFIC



# NOTES

MOISTURE RESISTANCE 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.

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



NOTES

1. MOISTURE PROTECTION AND CAULKING:  
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATERTIGHT 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.

FLOOR OPTION

☒ WOOD FLOOR

☐ CONCRETE FLOOR

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK


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

PROJECT NAME:

24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

CROSS SECTION



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118918  
AC FLS SS  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04116284  
AC FLS SS RAE  
DATE MAY 30 2017

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE 001-006  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC FLS SS RAE  
DATE AUG - 4 2015

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:

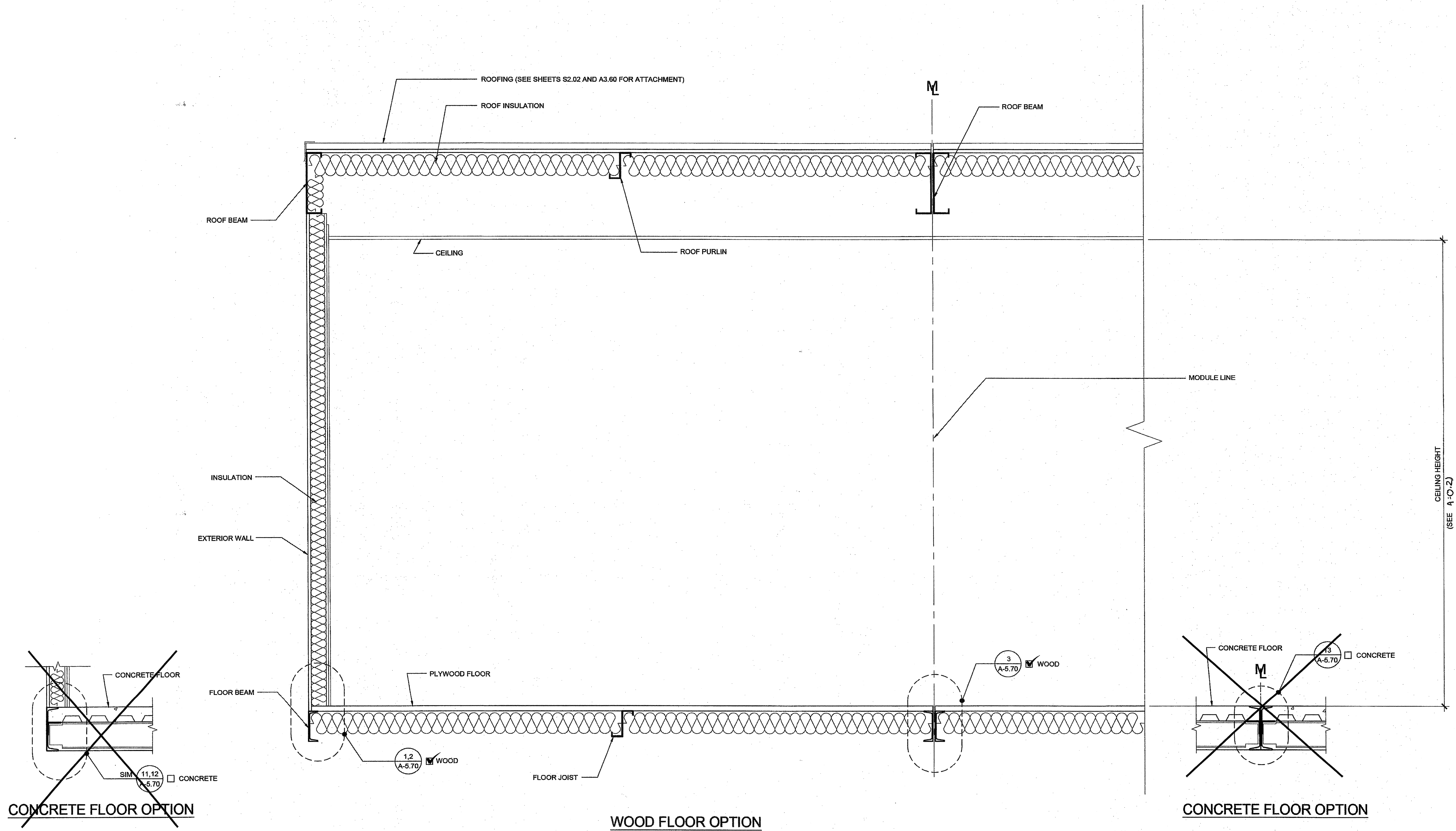
DRAWN BY:

SCALE: AS NOTED

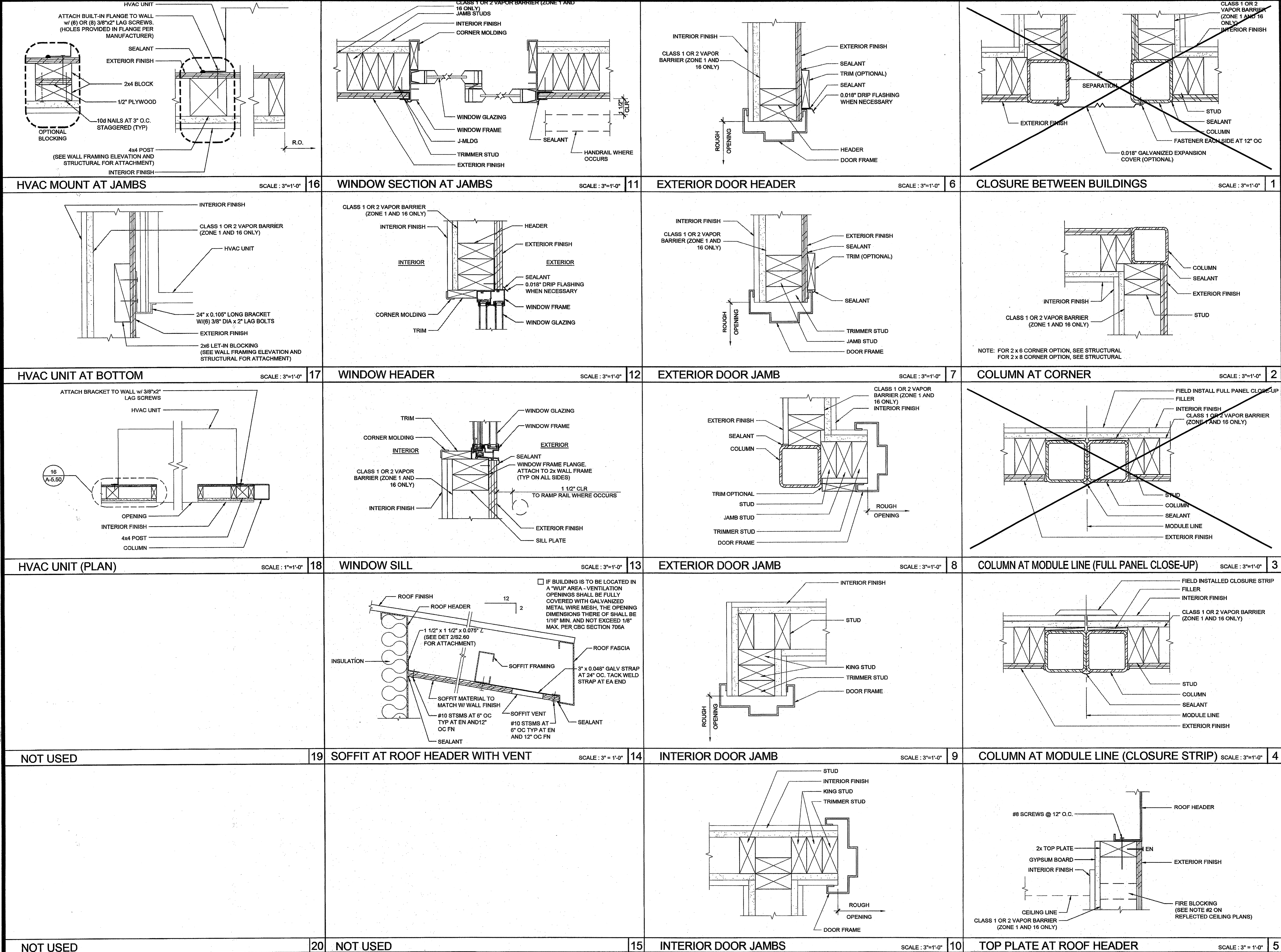
DATE: 01-30-15

P.C. SHEET NUMBER

A-5.05







IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
SILVER CREEK  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
  
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:  
  
ARCHITECTURAL  
DETAILS  
WOOD STUD - SHTG

LICENSED ARCHITECT  
JOE F. SHIVELY  
C-33467  
REN 01-31-2017  
STATE OF CALIFORNIA

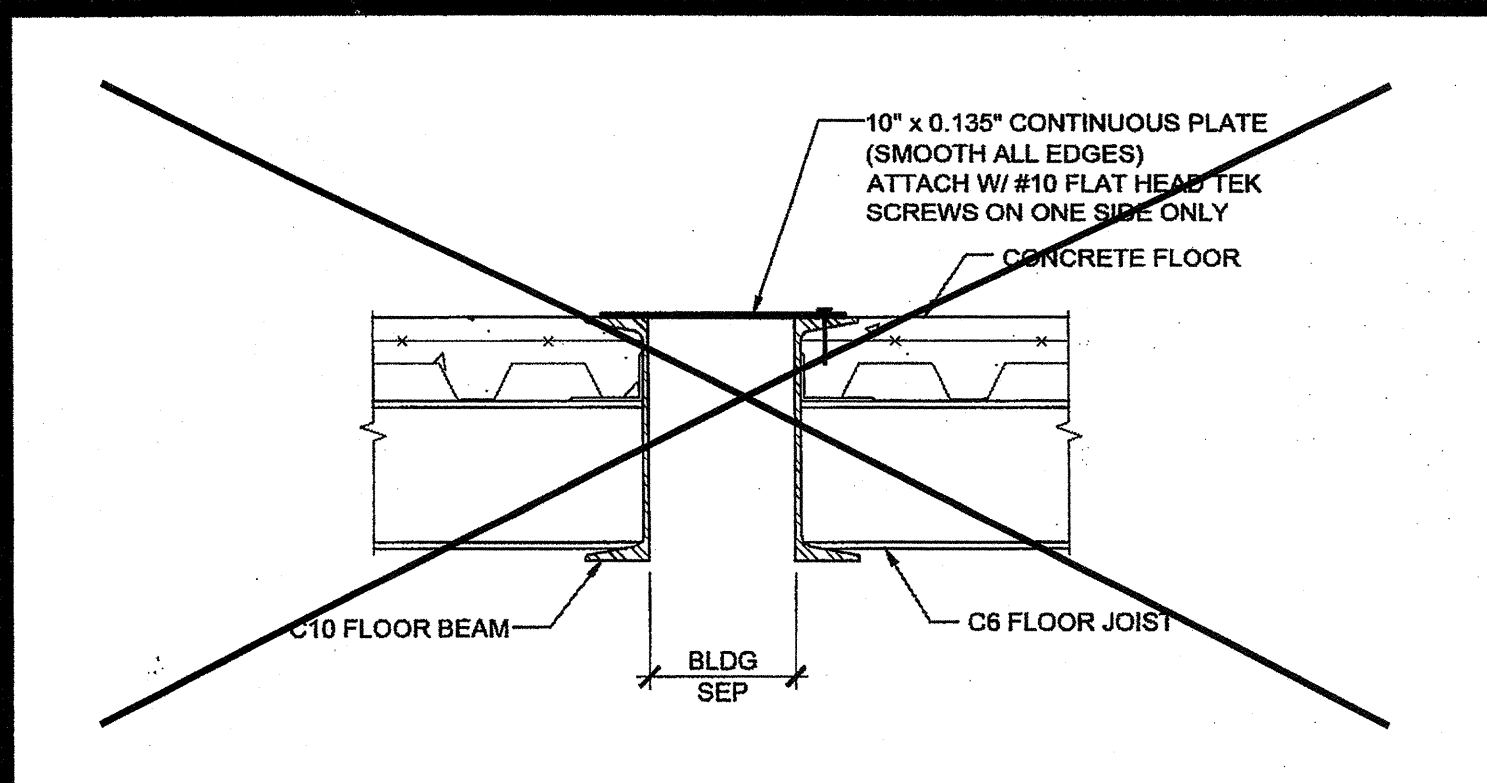
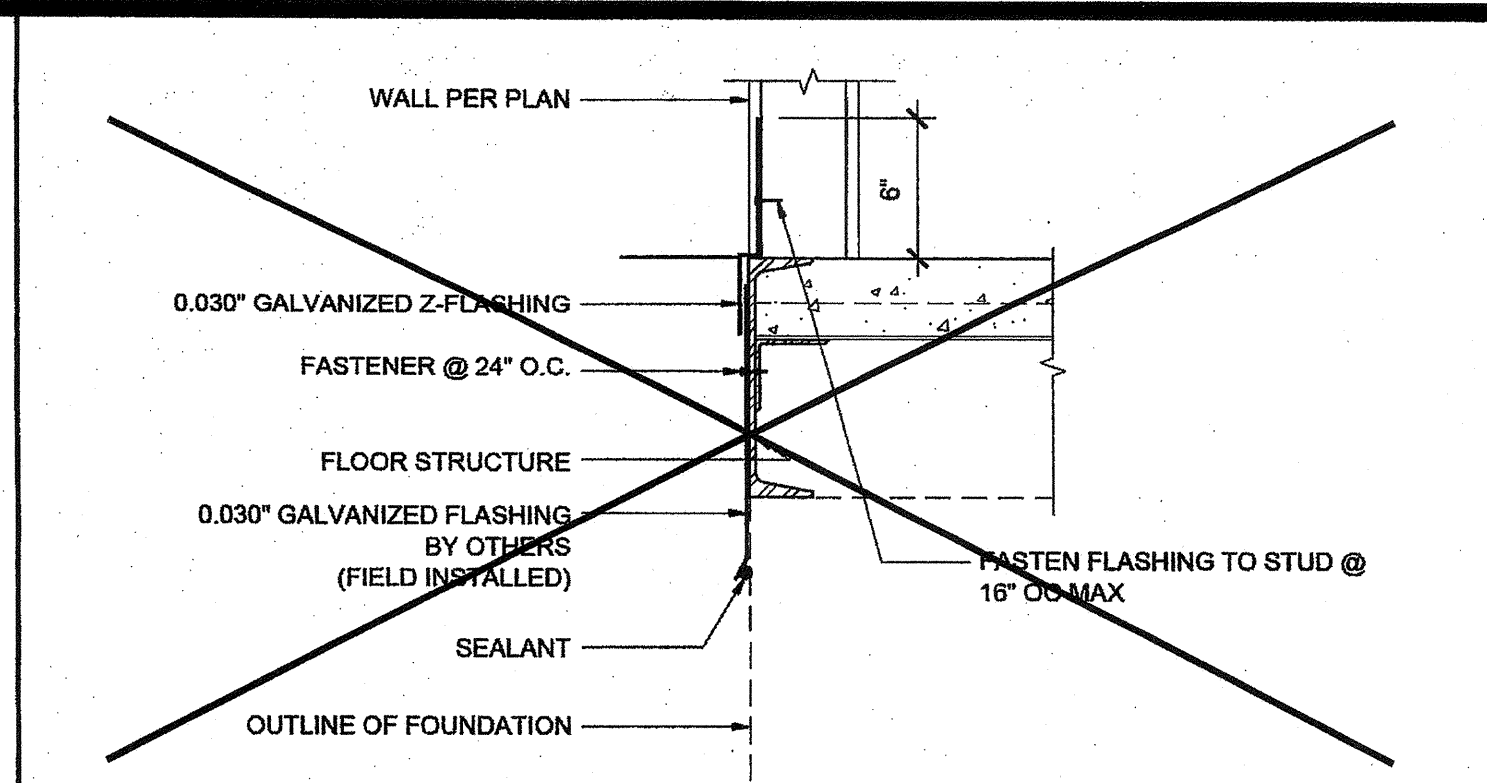
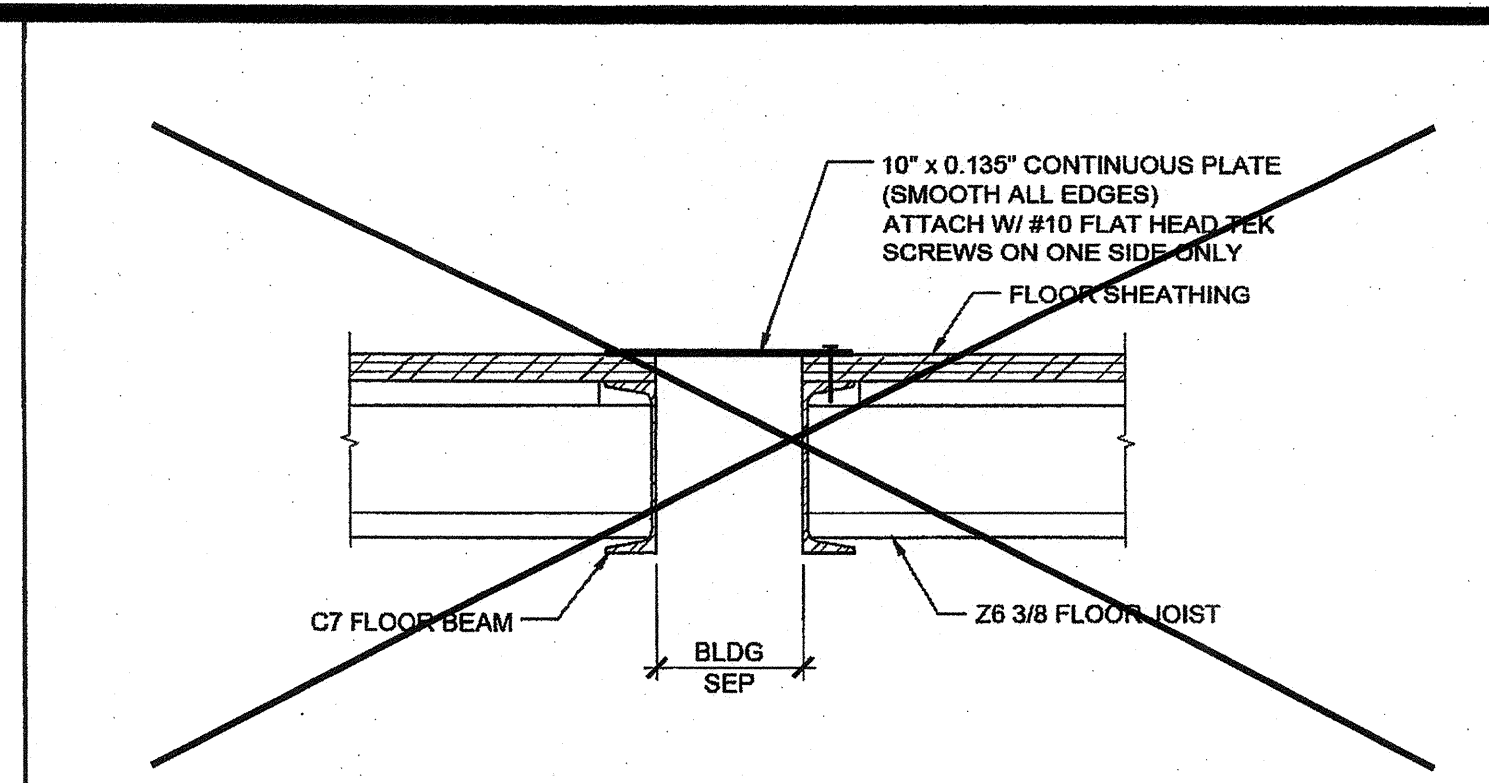
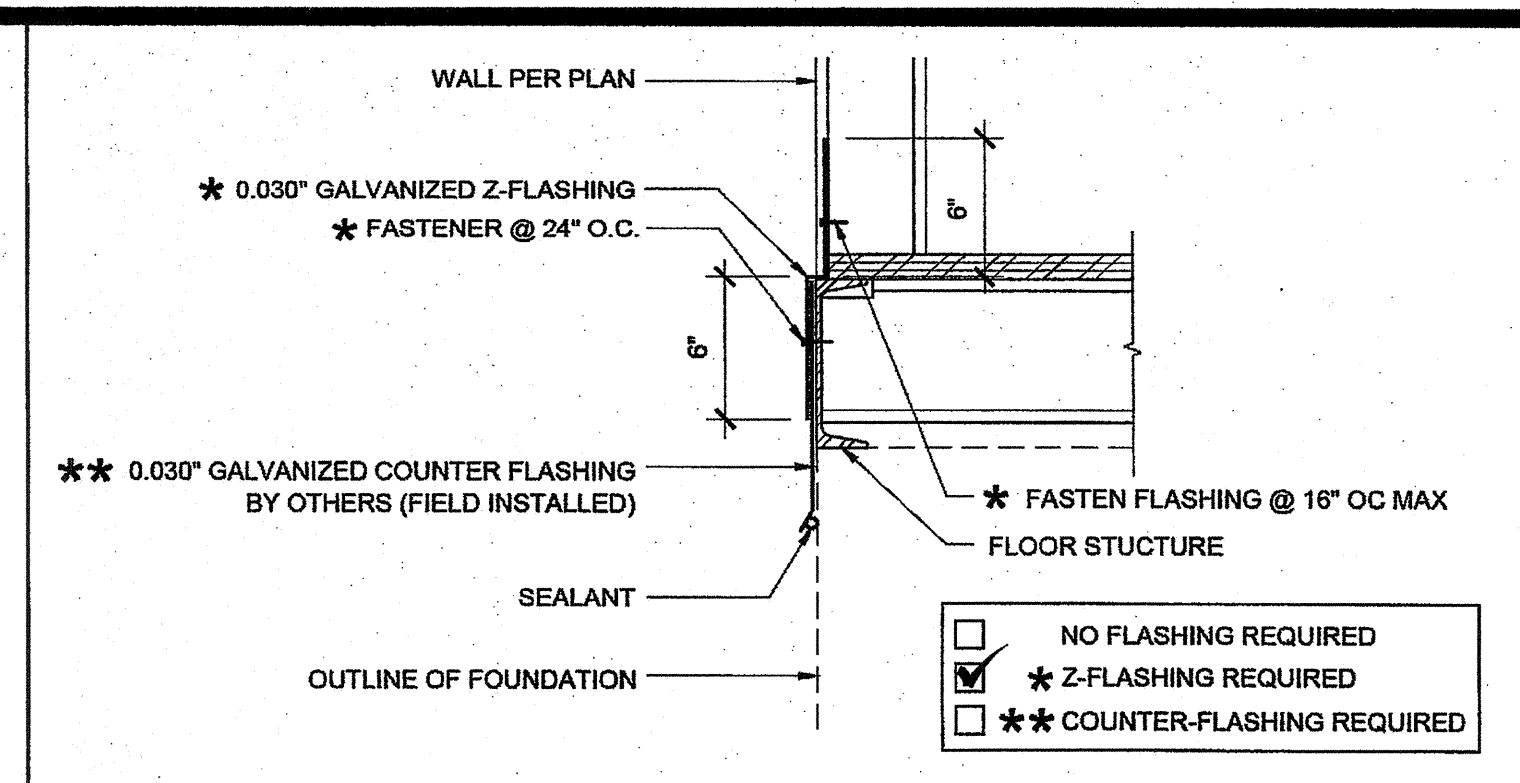
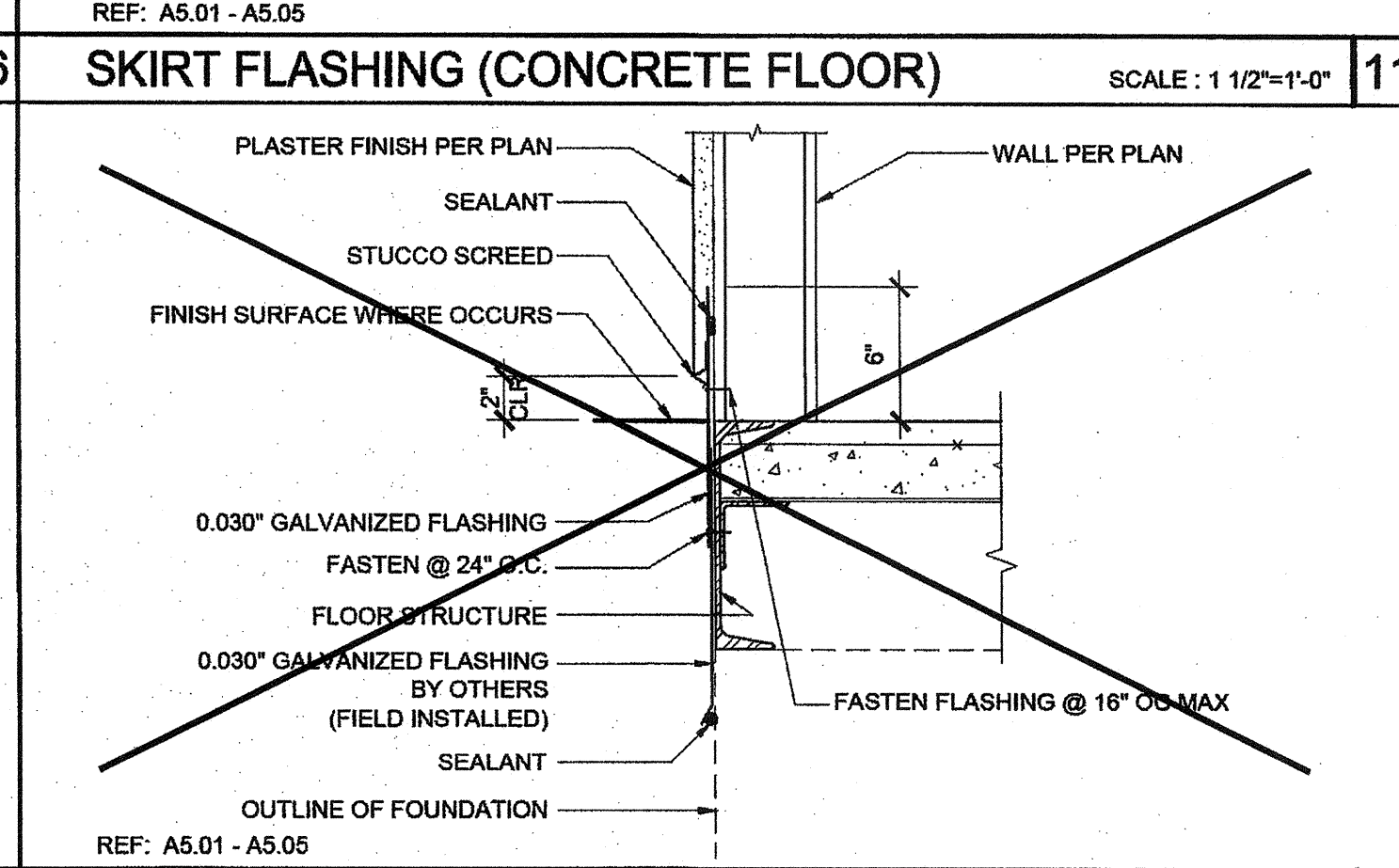
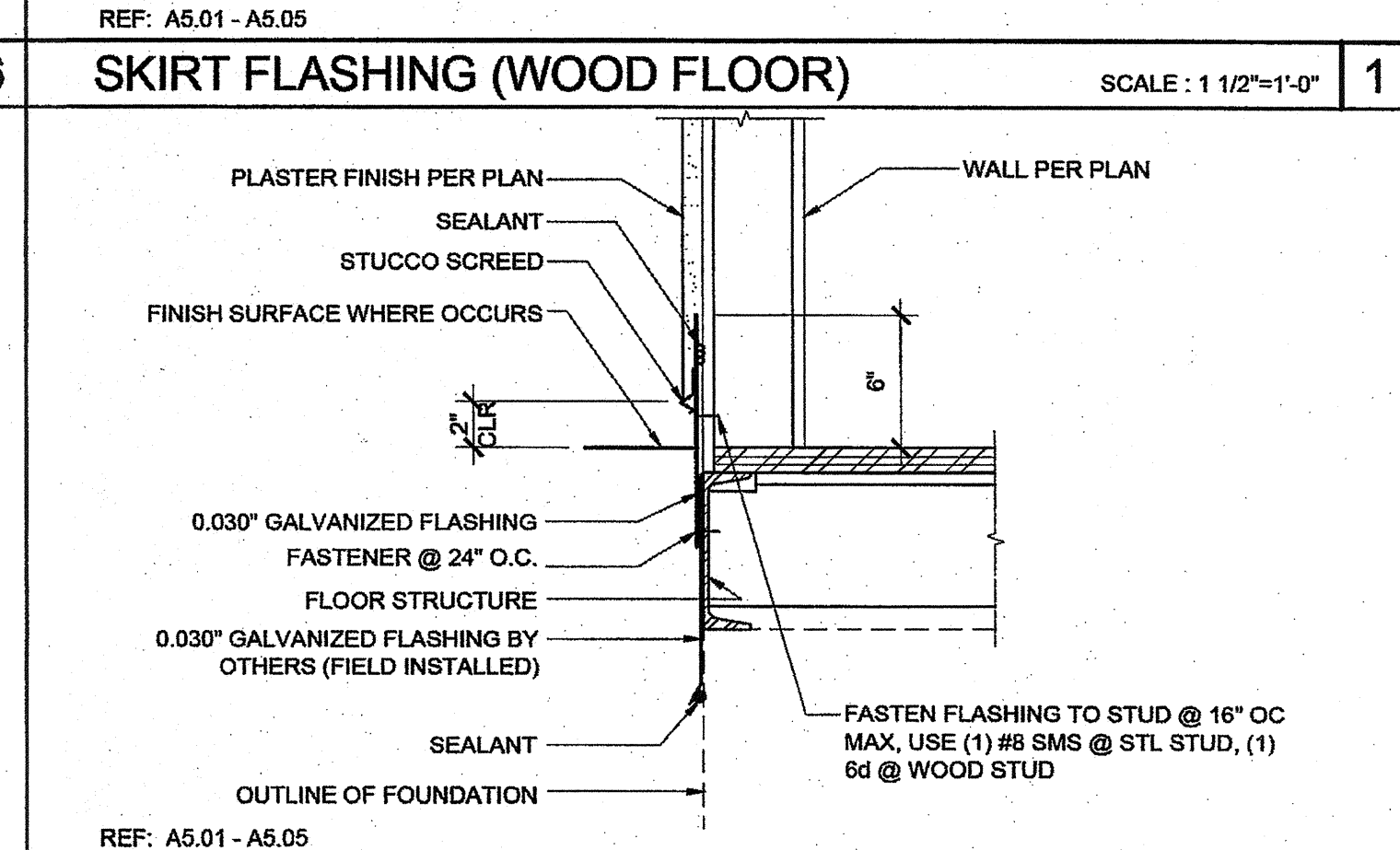
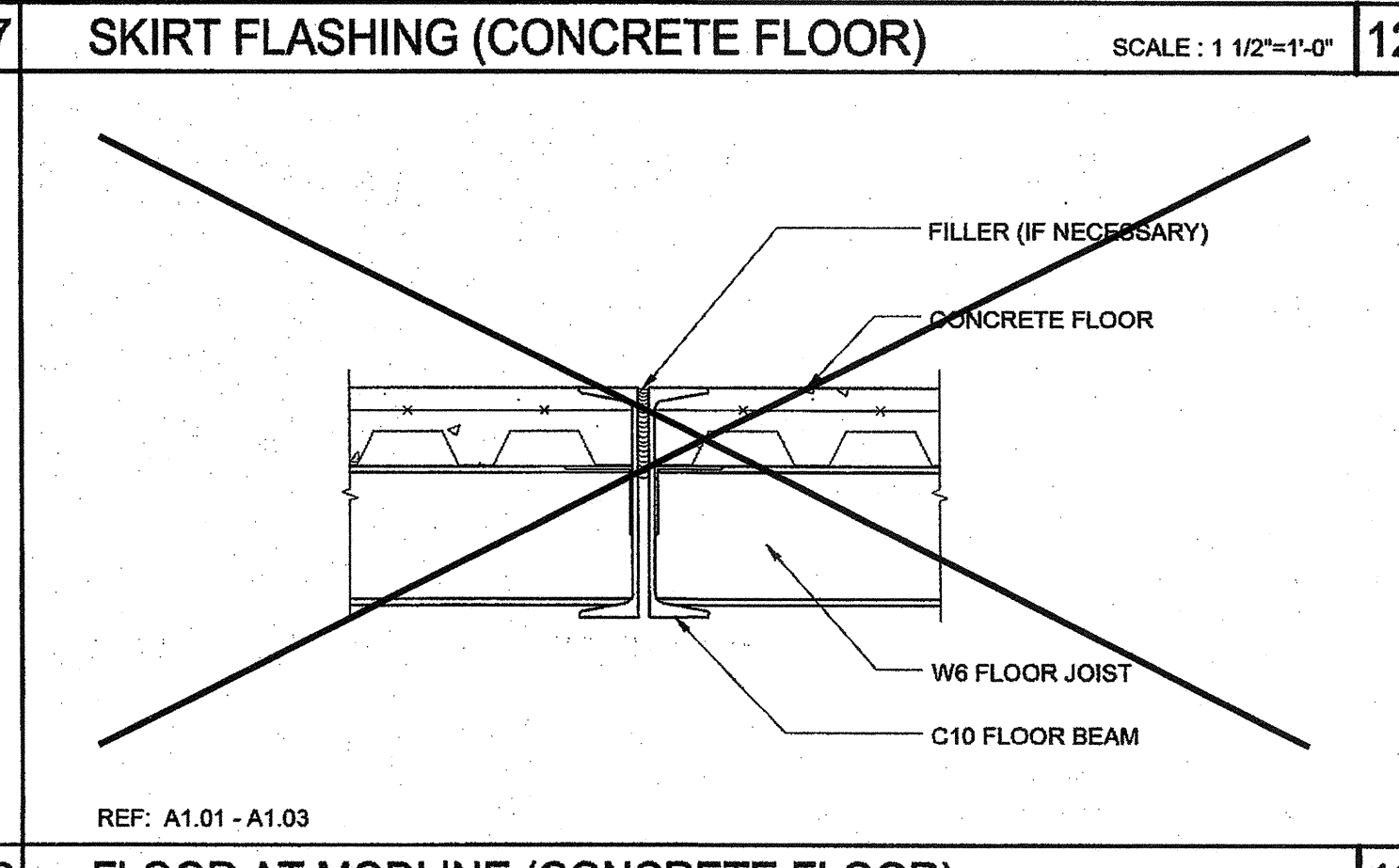
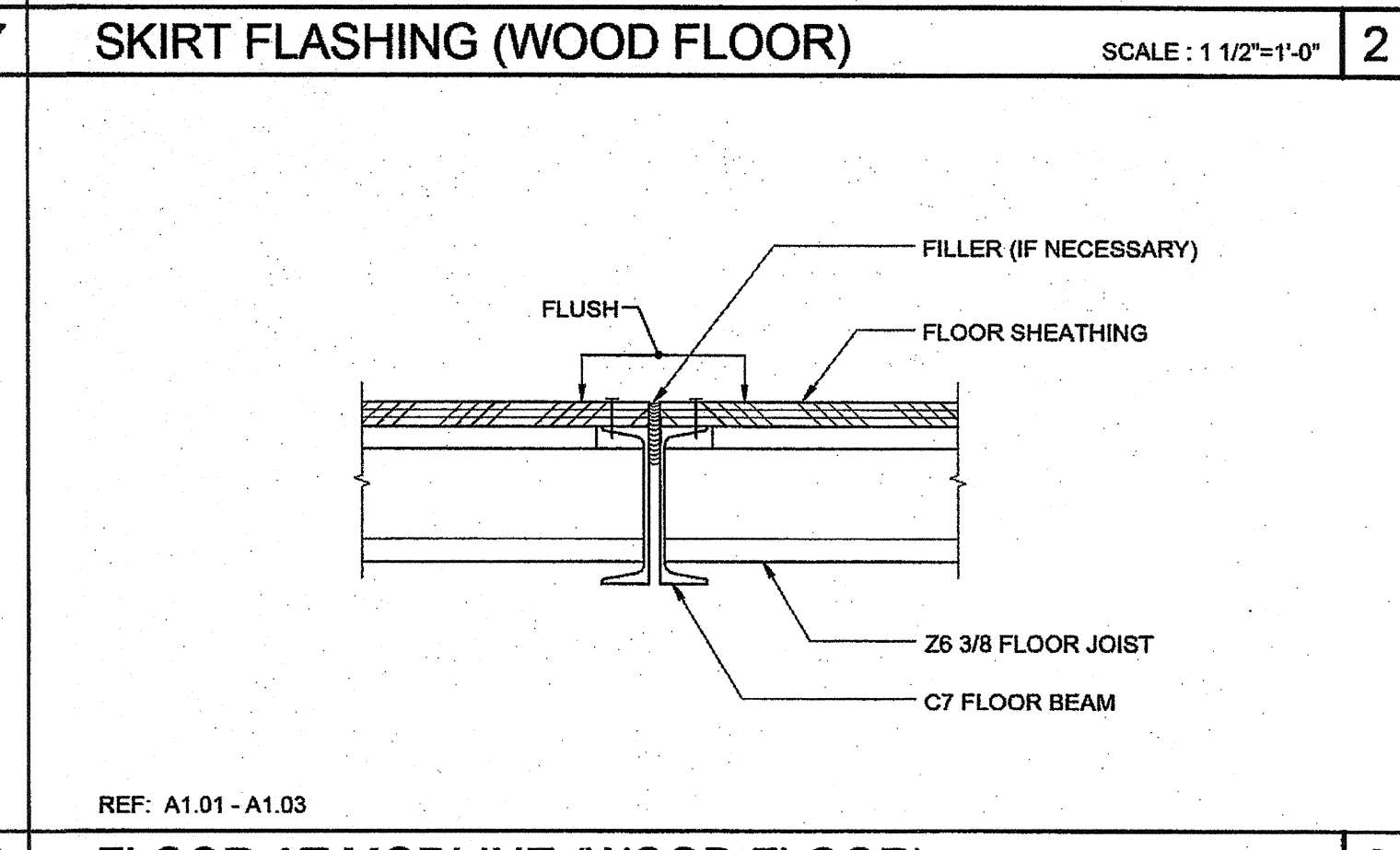
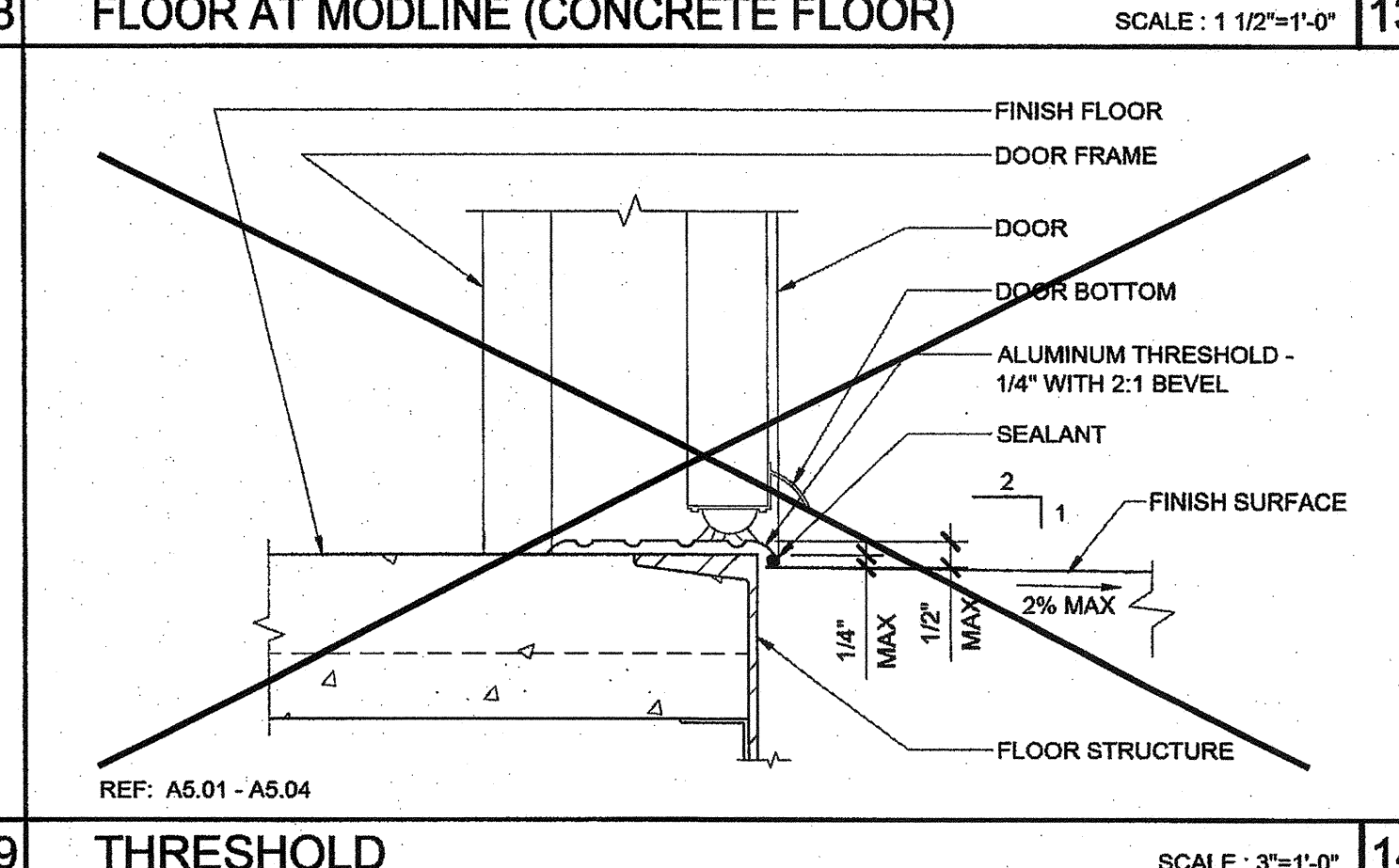
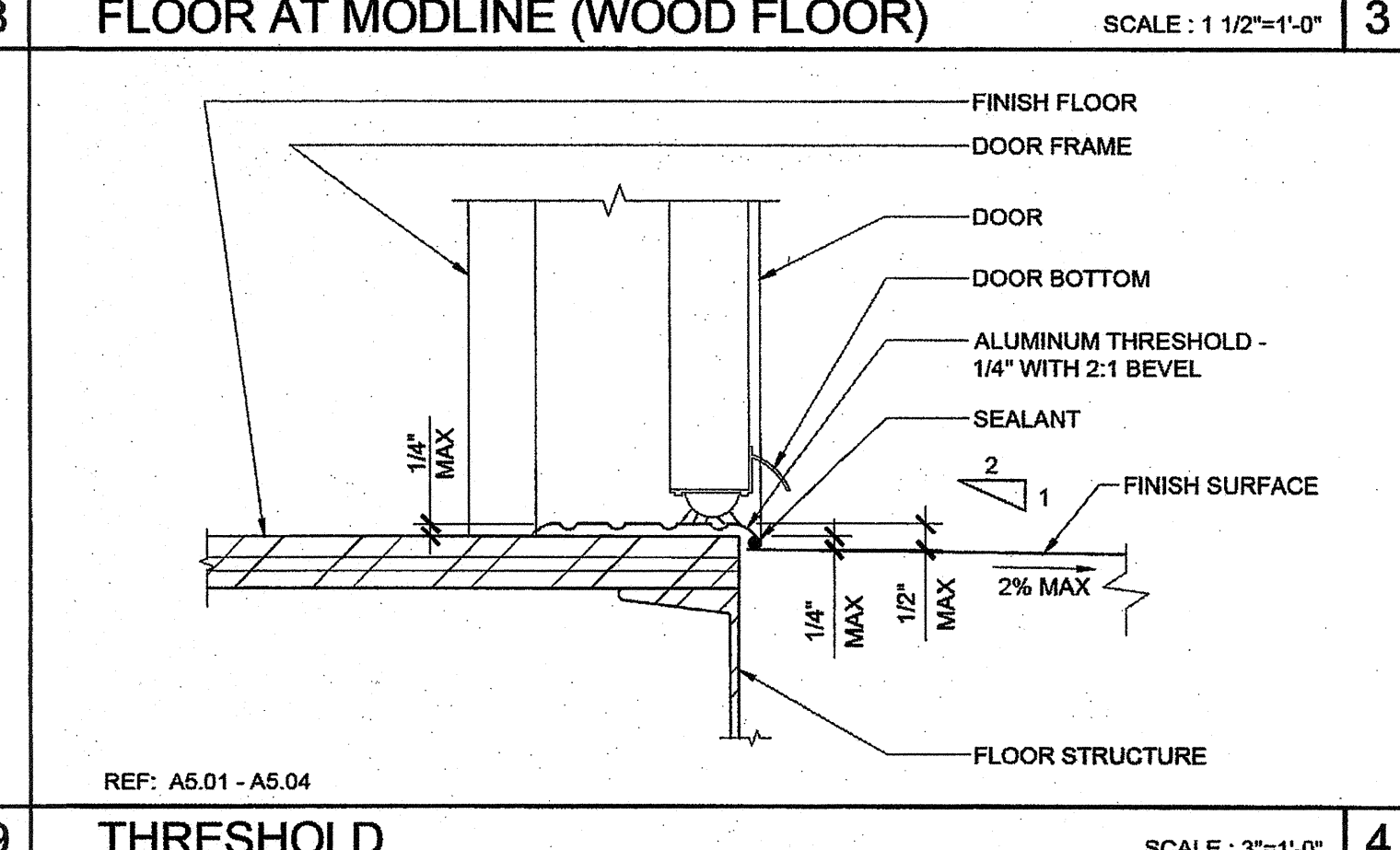
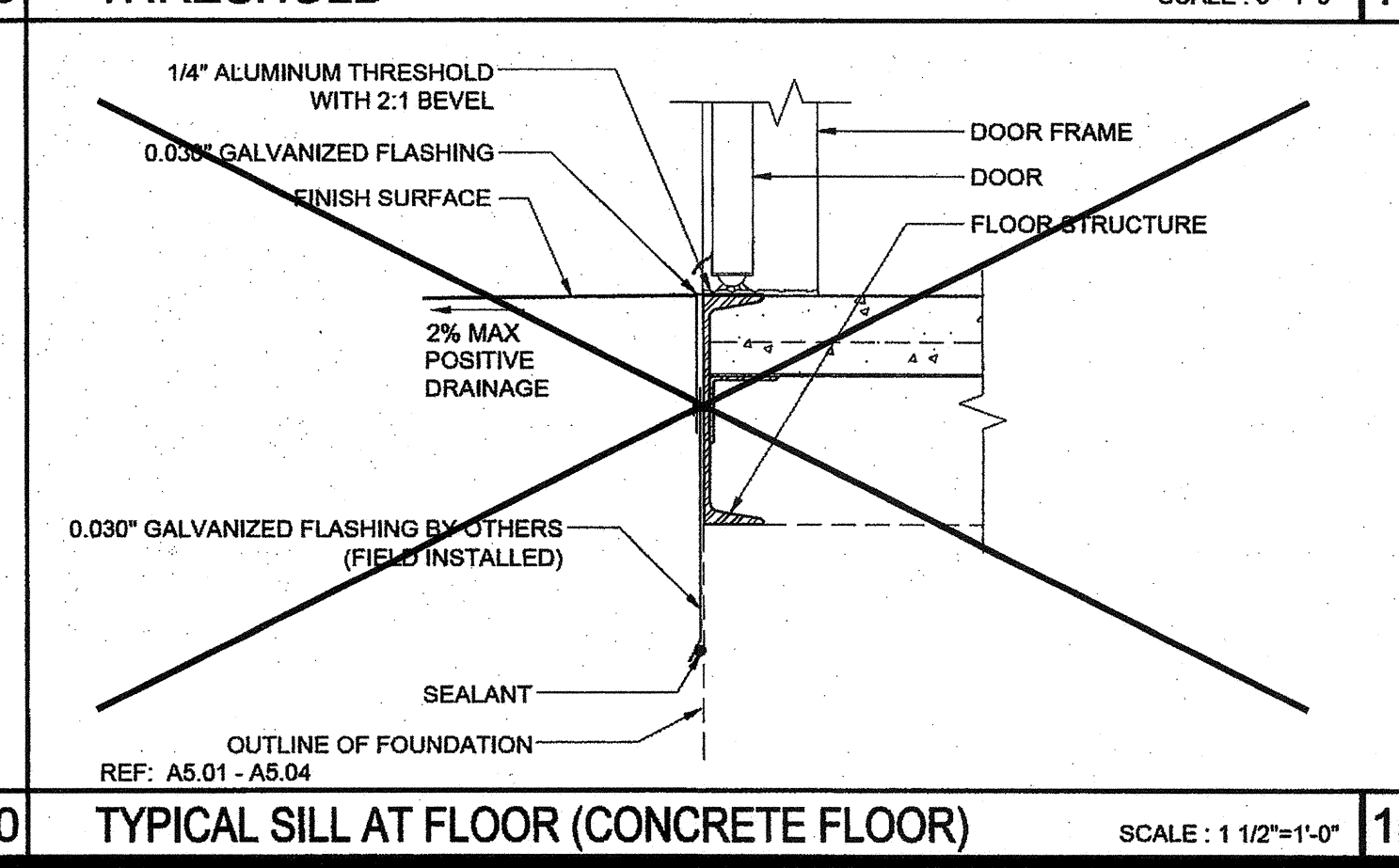
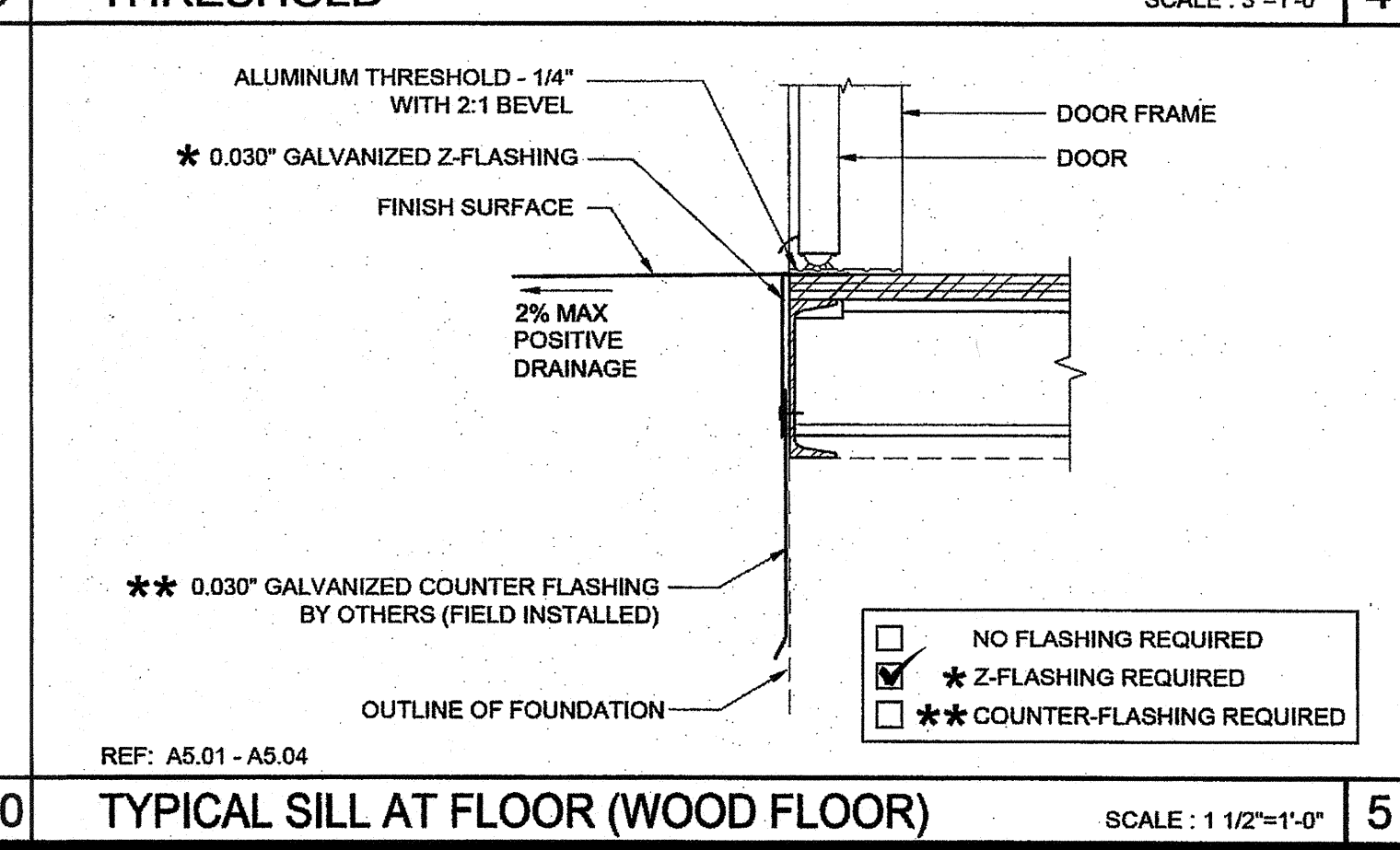
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FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03110318  
AC ☒ FLS ☒ SS ☒ RAE  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04 116284  
ACS ☒ FLS ☒ SS ☒ RAE  
DATE MAY 16 2017

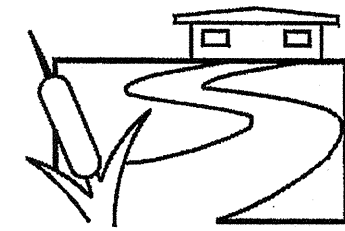
ORIGINAL PC STATE AGENCY APPROVAL  
PREPARED FOR DOCUMENT  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC ☒ FLS ☒ SS ☒ RAE  
DATE AUG - 4 2016

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc.  
  
SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
  
A-5.50



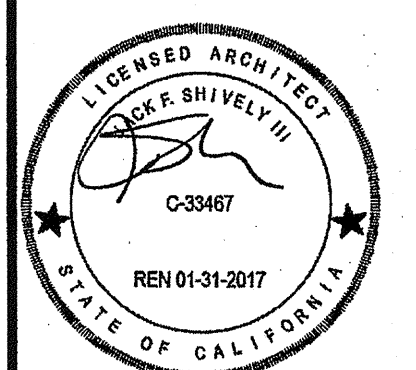
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FLOOR AT SEPARATION (CONCRETE FLR) SCALE: 1 1/2"=1'-0" 16	SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 11	FLOOR AT SEPARATION (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 6	SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 1
	 <p>REF: A5.01 - A5.05</p>		 <p>REF: A5.01 - A5.05</p>
	SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 12		SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 2
	 <p>REF: A1.01 - A1.03</p>		 <p>REF: A1.01 - A1.03</p>
	FLOOR AT MODLINE (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 13		FLOOR AT MODLINE (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 3
	 <p>REF: A5.01 - A5.04</p>		 <p>REF: A5.01 - A5.04</p>
	THRESHOLD SCALE: 3"=1'-0" 14		THRESHOLD SCALE: 3"=1'-0" 4
	 <p>REF: A5.01 - A5.04</p>		 <p>REF: A5.01 - A5.04</p>
	TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 15		TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 5

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
**SILVER CREEK**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**ARCHITECTURAL DETAILS FLOOR**



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**03-118018**  
AC ☒ FLS ☒ SS ☒  
DATE **MAY 24 2018**

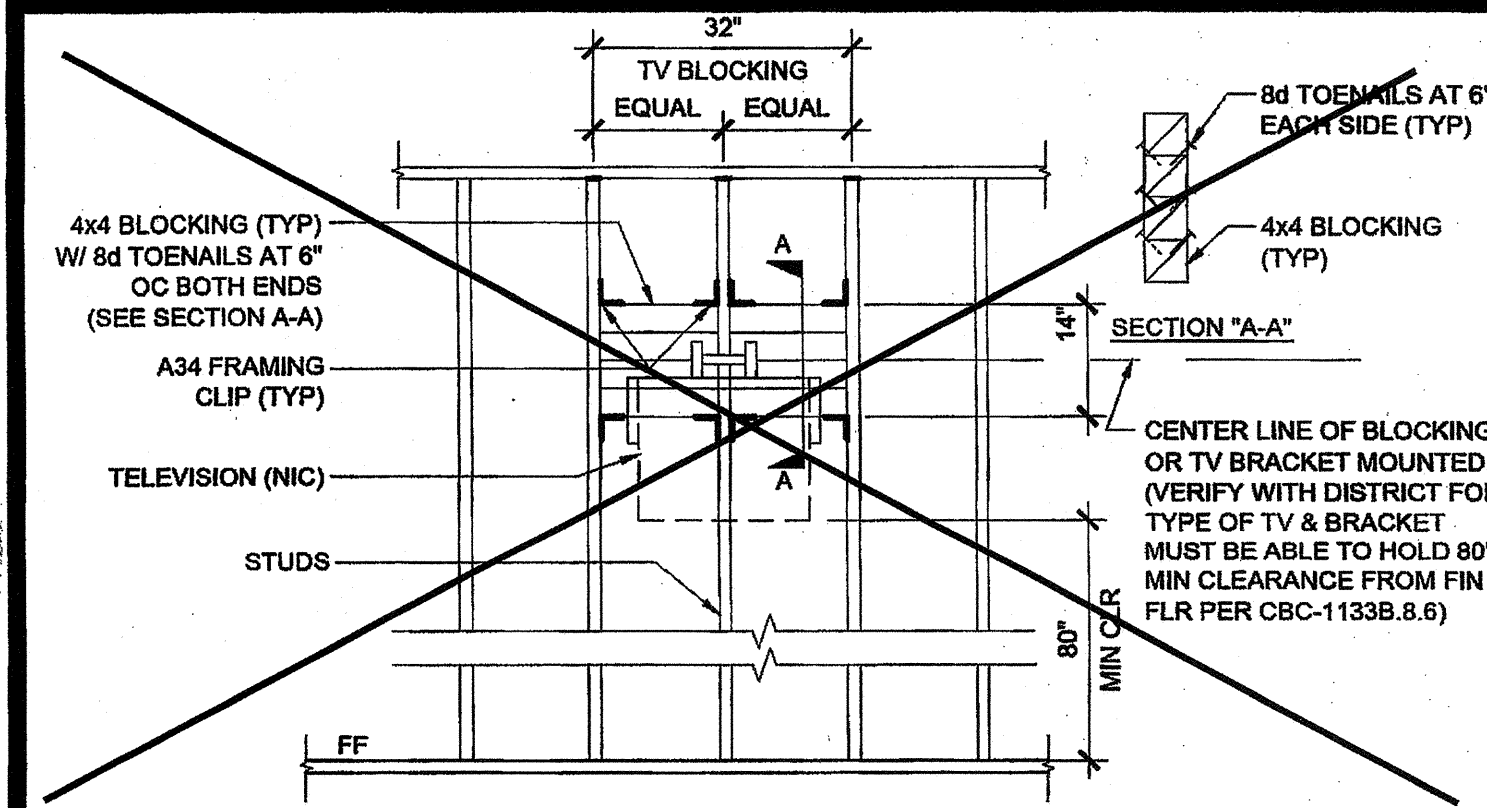
PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
**04 116284**  
ACS ☒ FLS ☒ SS ☒ RAE  
DATE **MAY 18 2017**

ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECKED DOCUMENT  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**PG-04-114102**  
AC ☒ FLS ☒ SS ☒ RAE  
DATE **AUG - 4 2015**

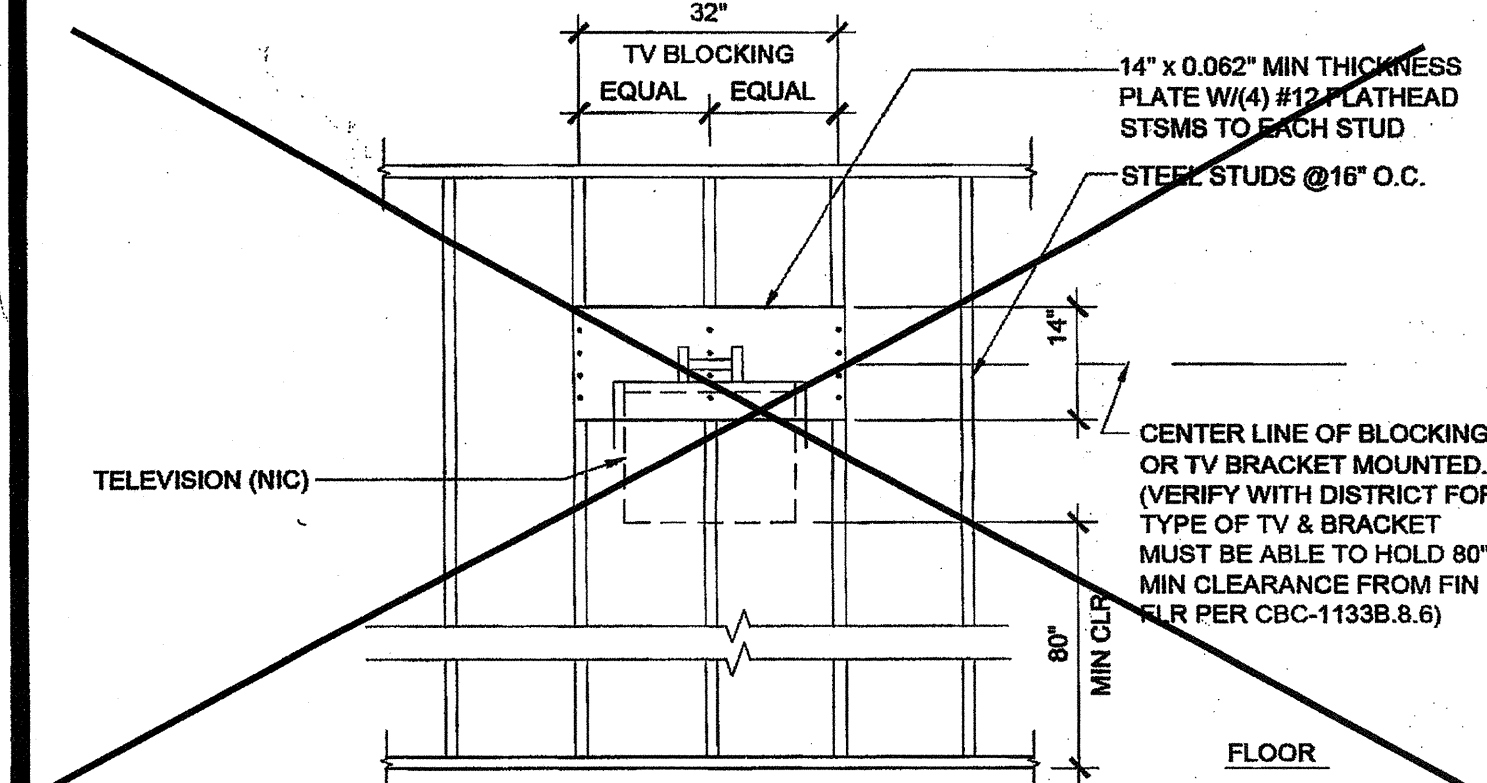
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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
**A-5.70**

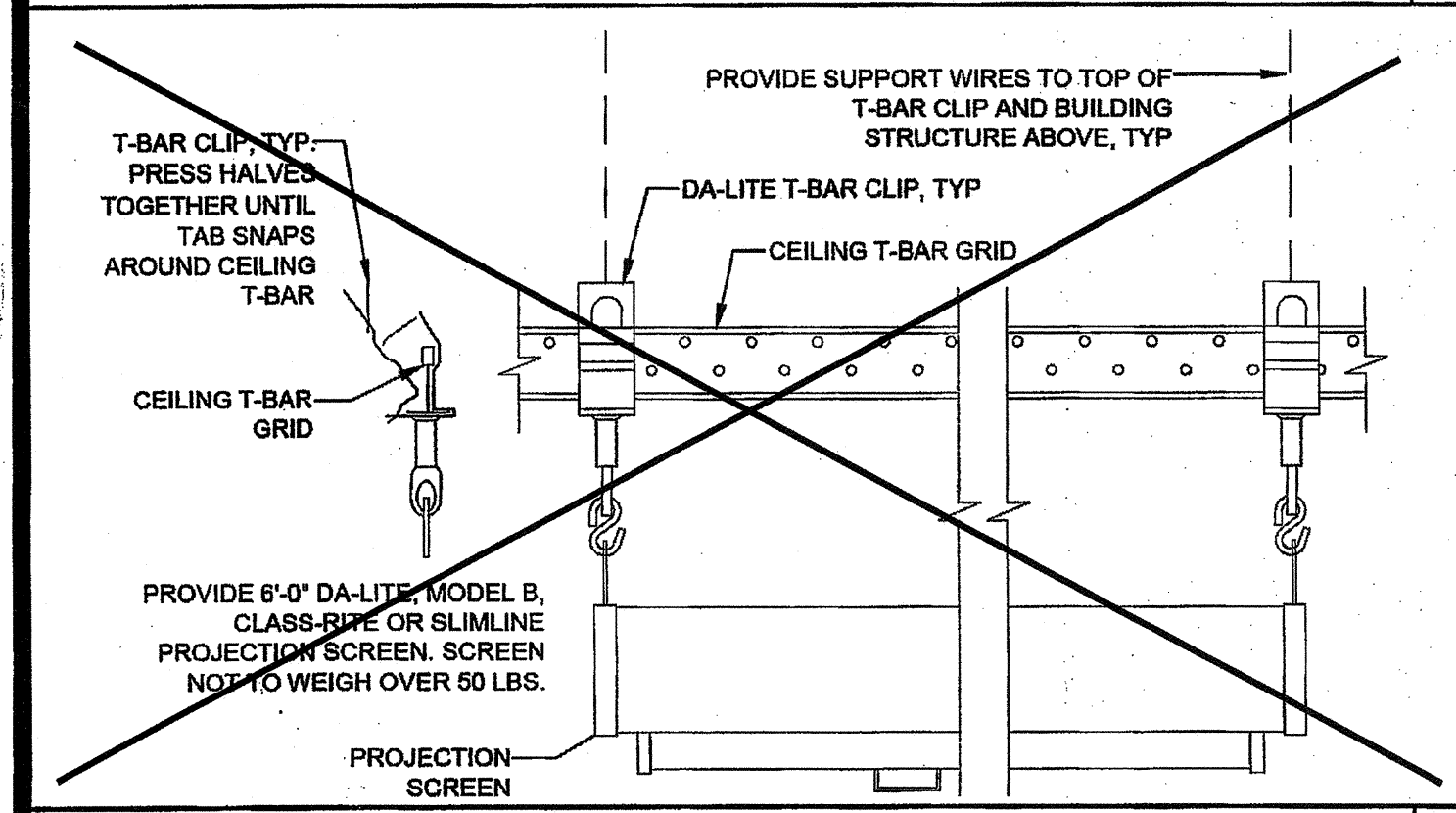




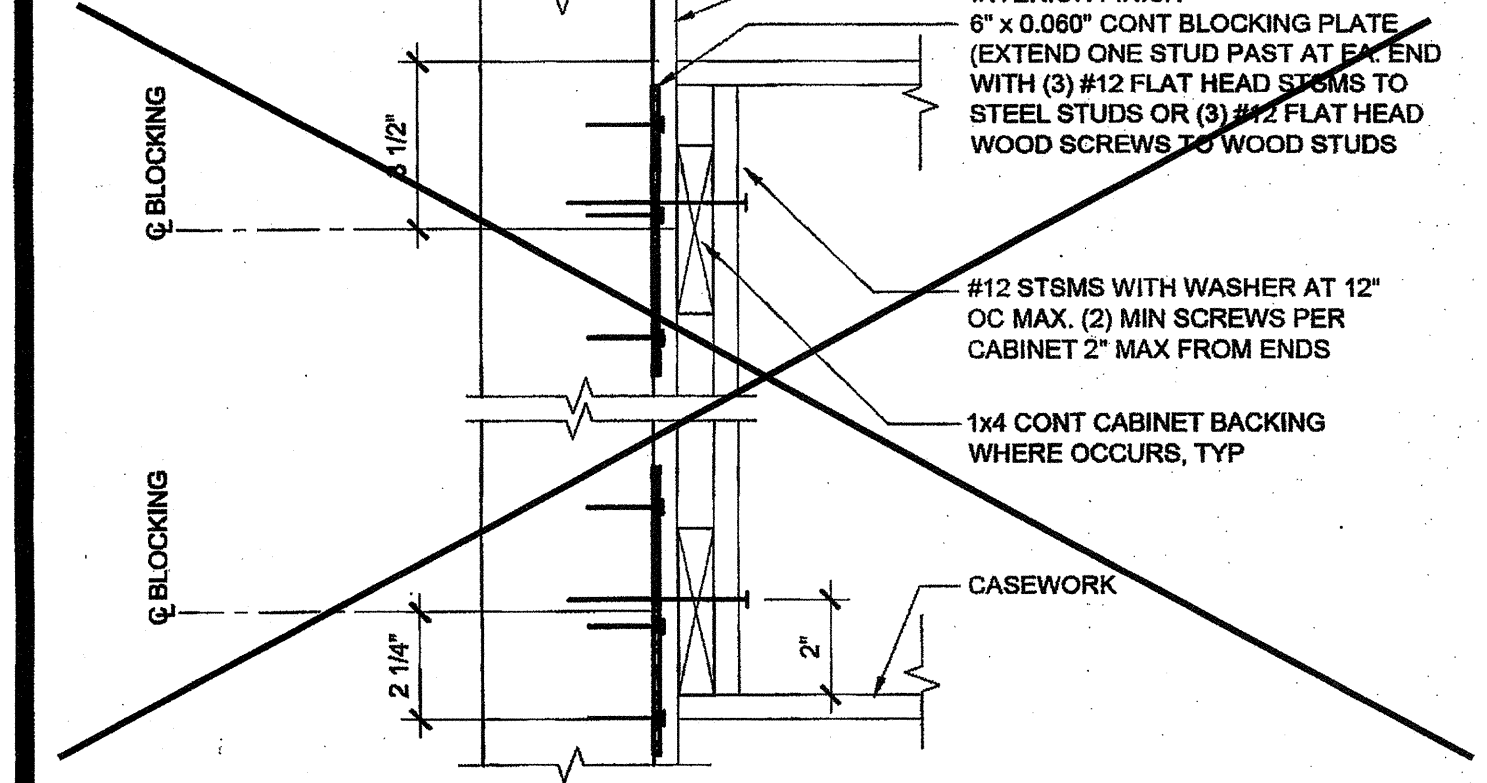
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE: 1/2" = 1'-0" 16



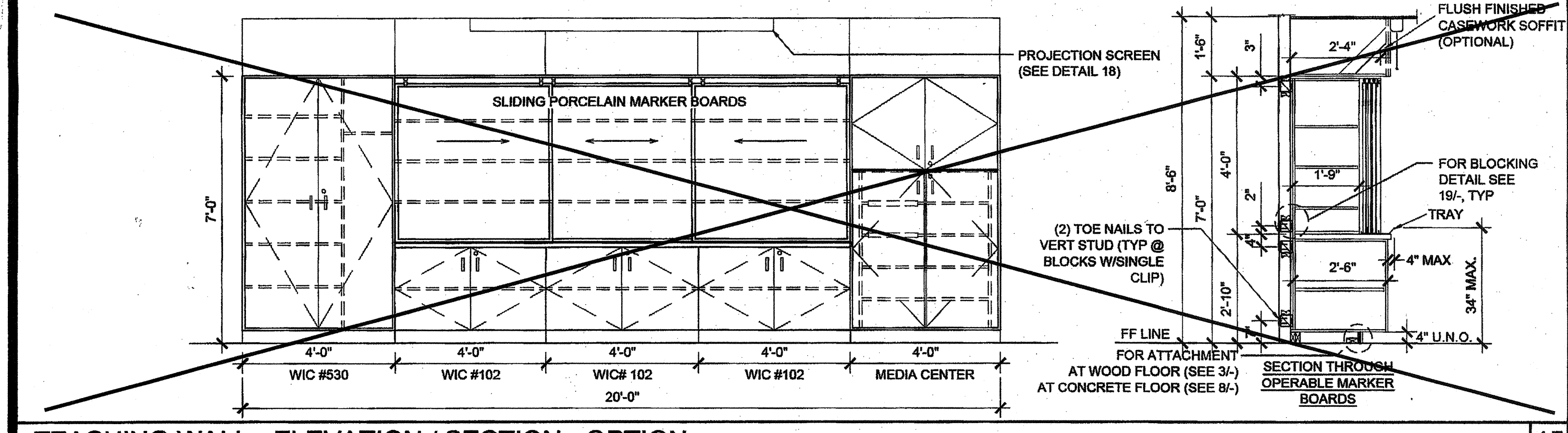
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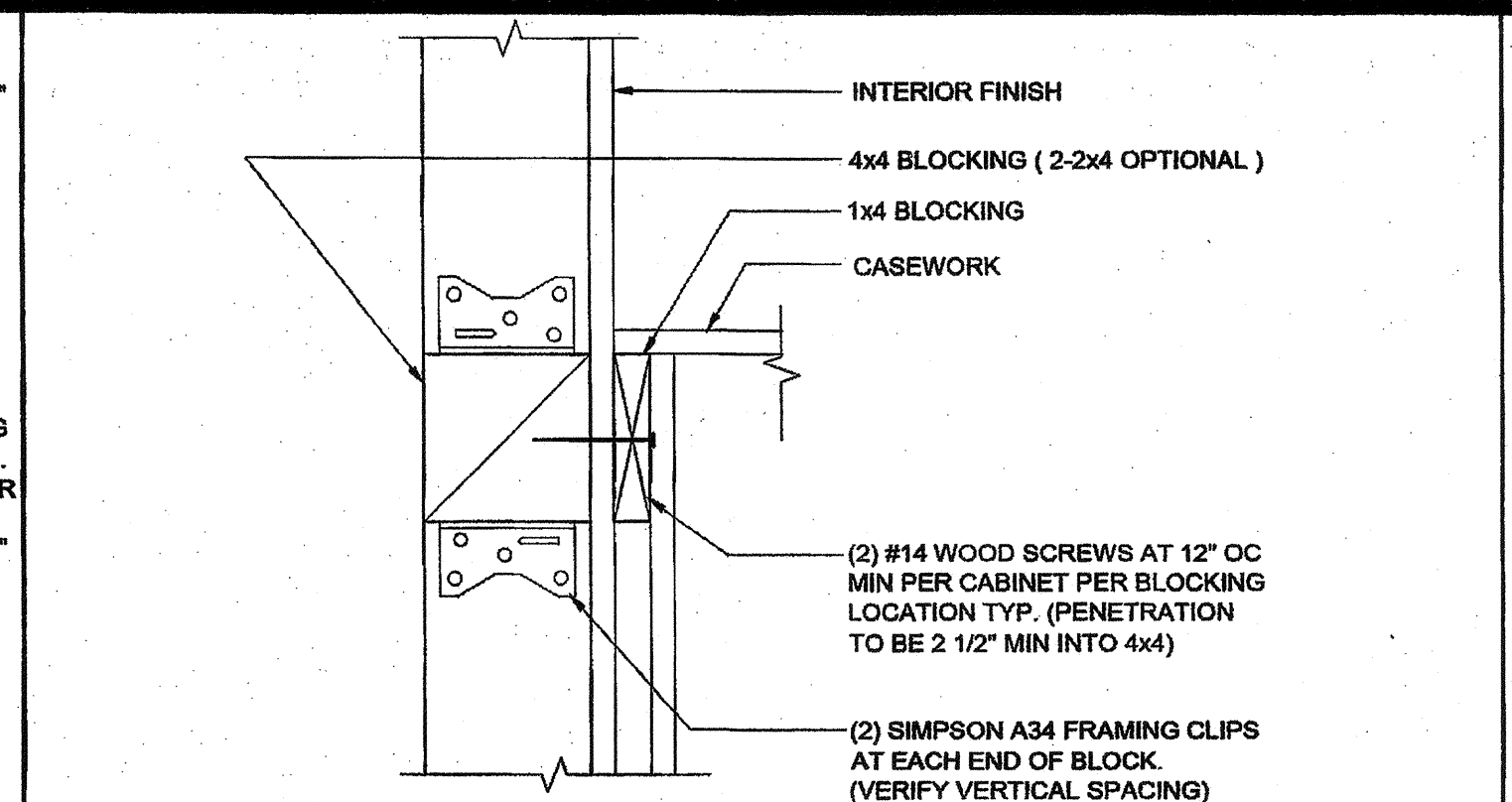
PROJECTION SCREEN MOUNTING SCALE: NTS 18



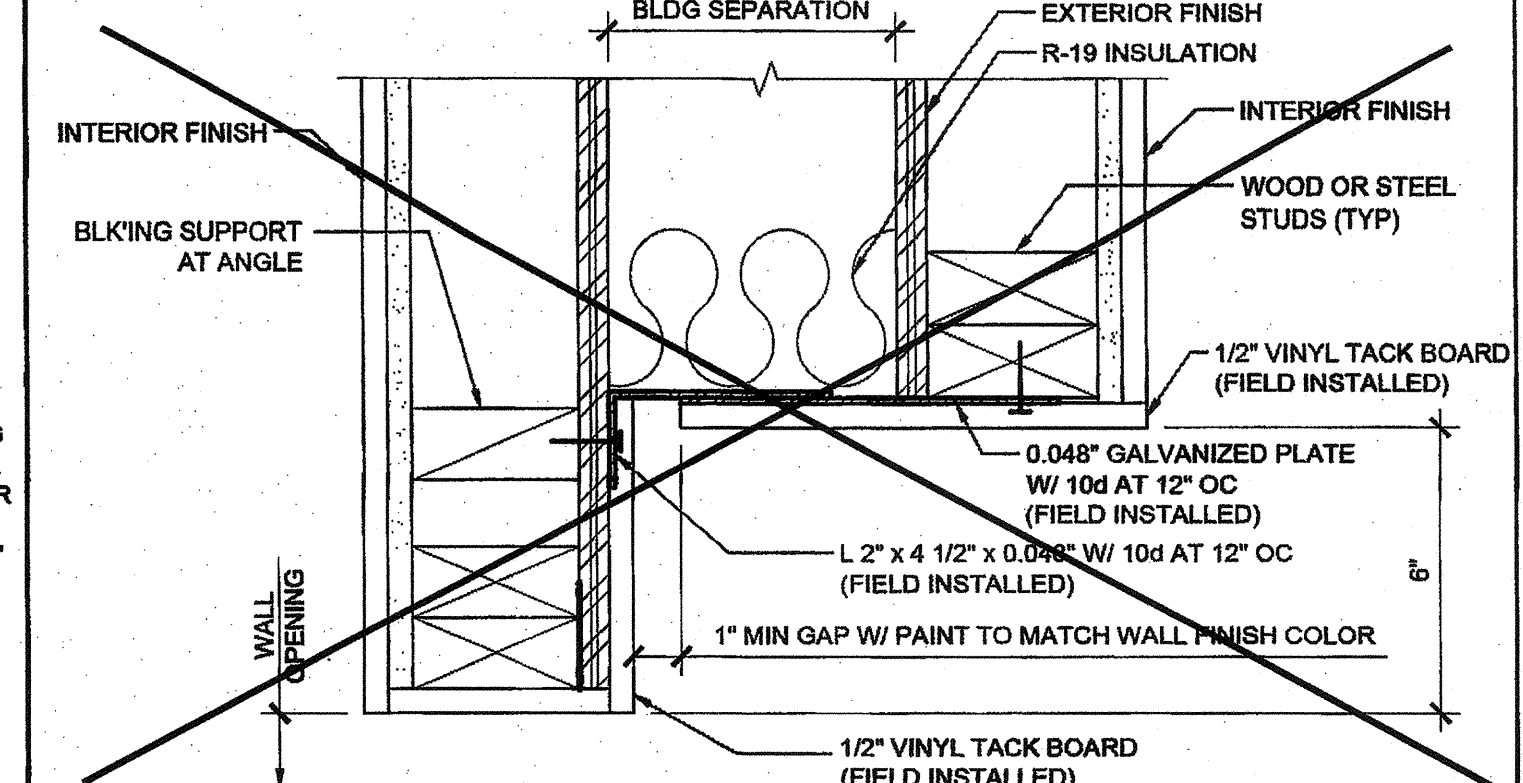
ATTACHMENT TO BLOCKING SCALE: 3/8" = 1'-0" 19



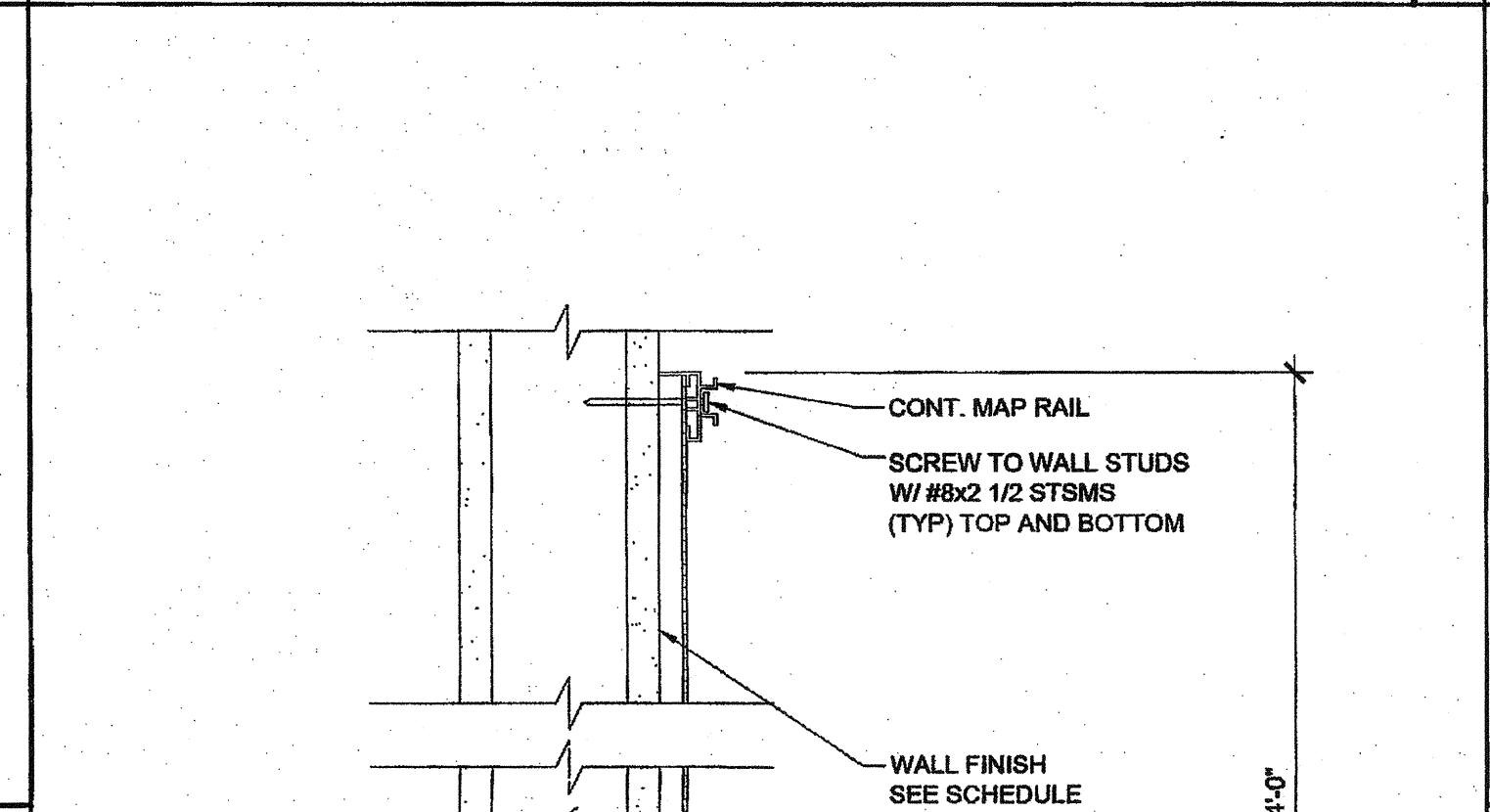
TEACHING WALL - ELEVATION / SECTION - OPTION SCALE: 3/8" = 1'-0" 15



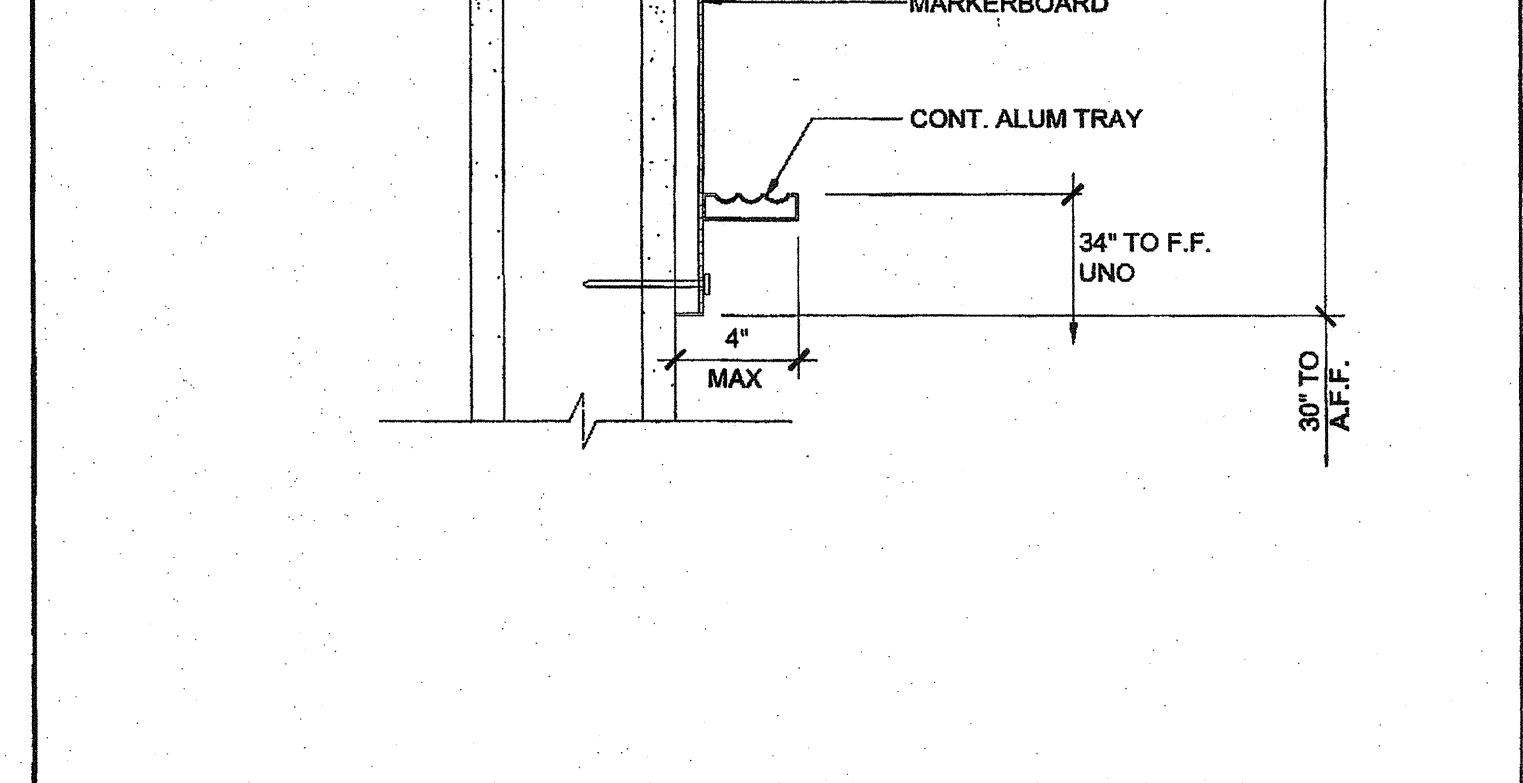
ATTACHMENT TO BLOCKING AT WOOD STUD SCALE: 3/8" = 1'-0" 11



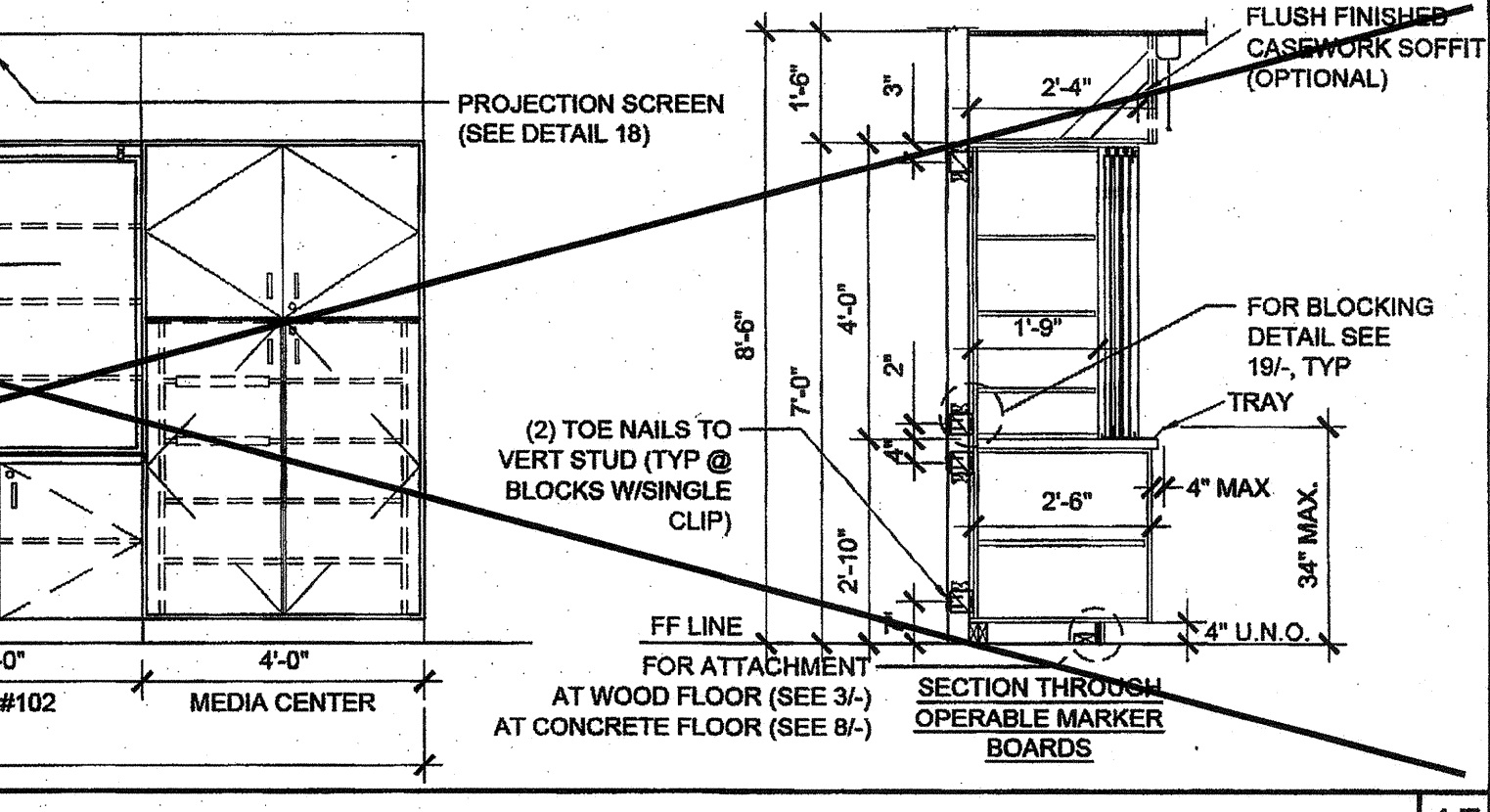
WALL OPENING AT HEADER AND JAMB SCALE: 3/8" = 1'-0" 12



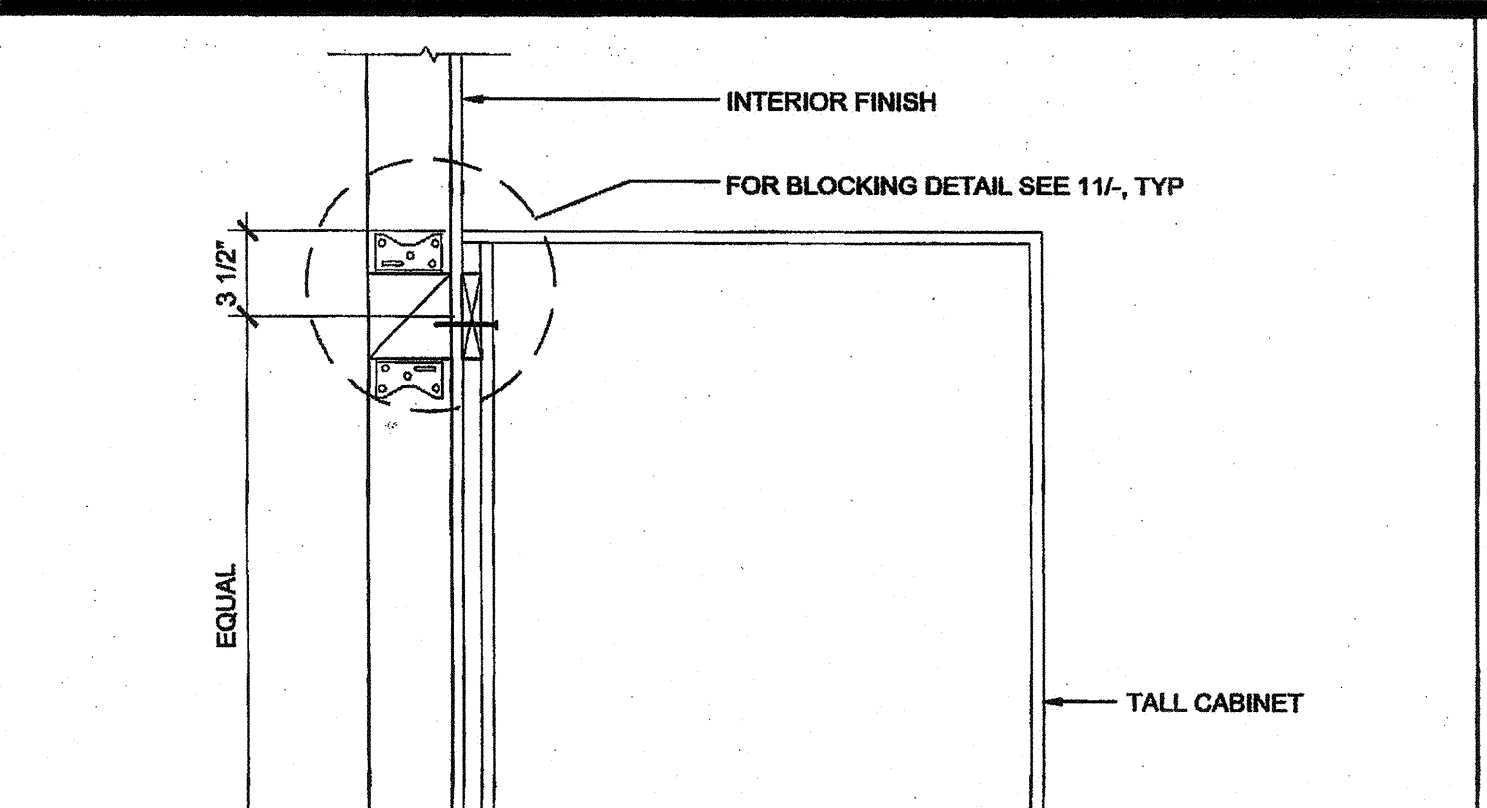
MARKER BOARD ATTACHMENT SCALE: 3/8" = 1'-0" 14



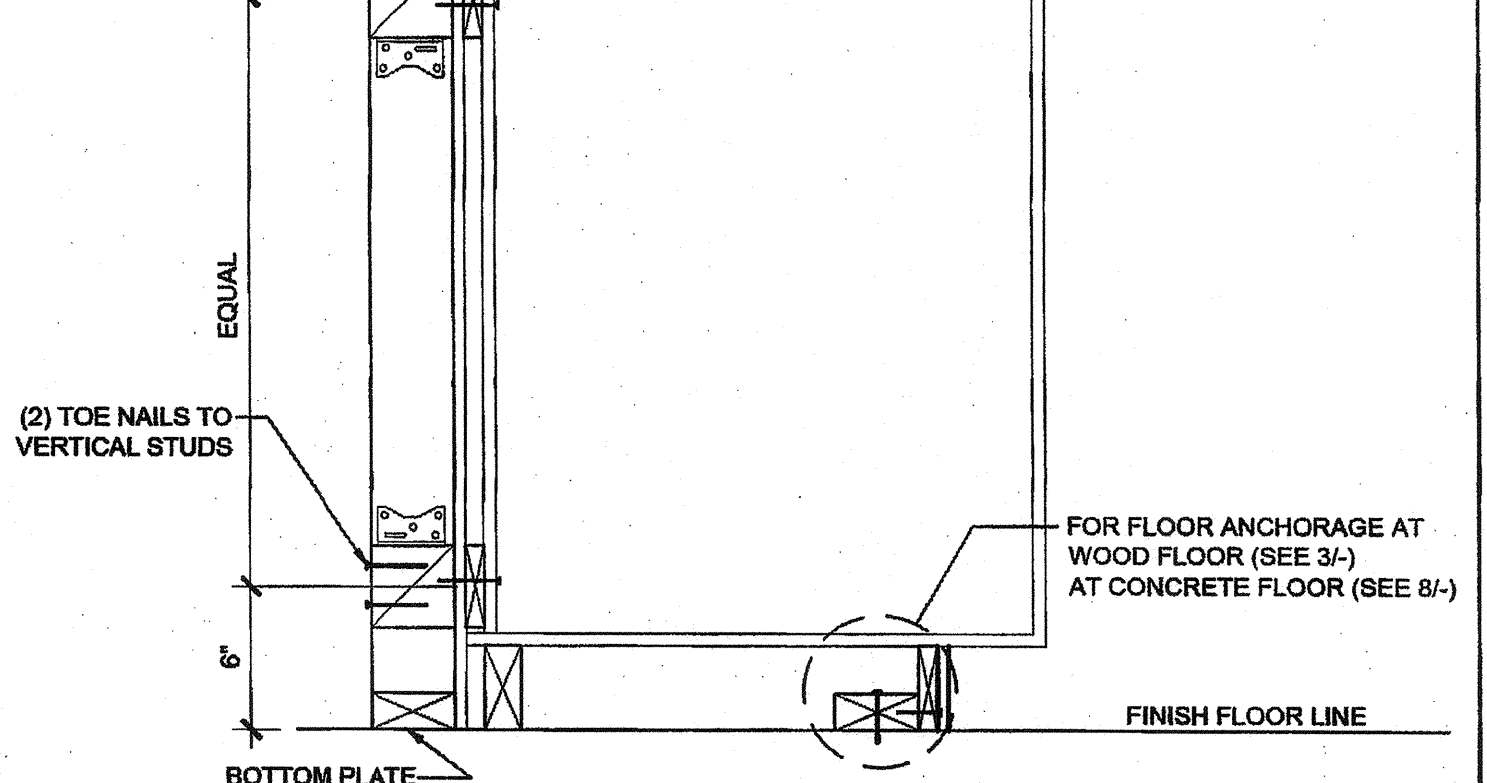
TALL CABINET WALL ANCHORAGE SCALE: 1 1/2" = 1'-0" 7



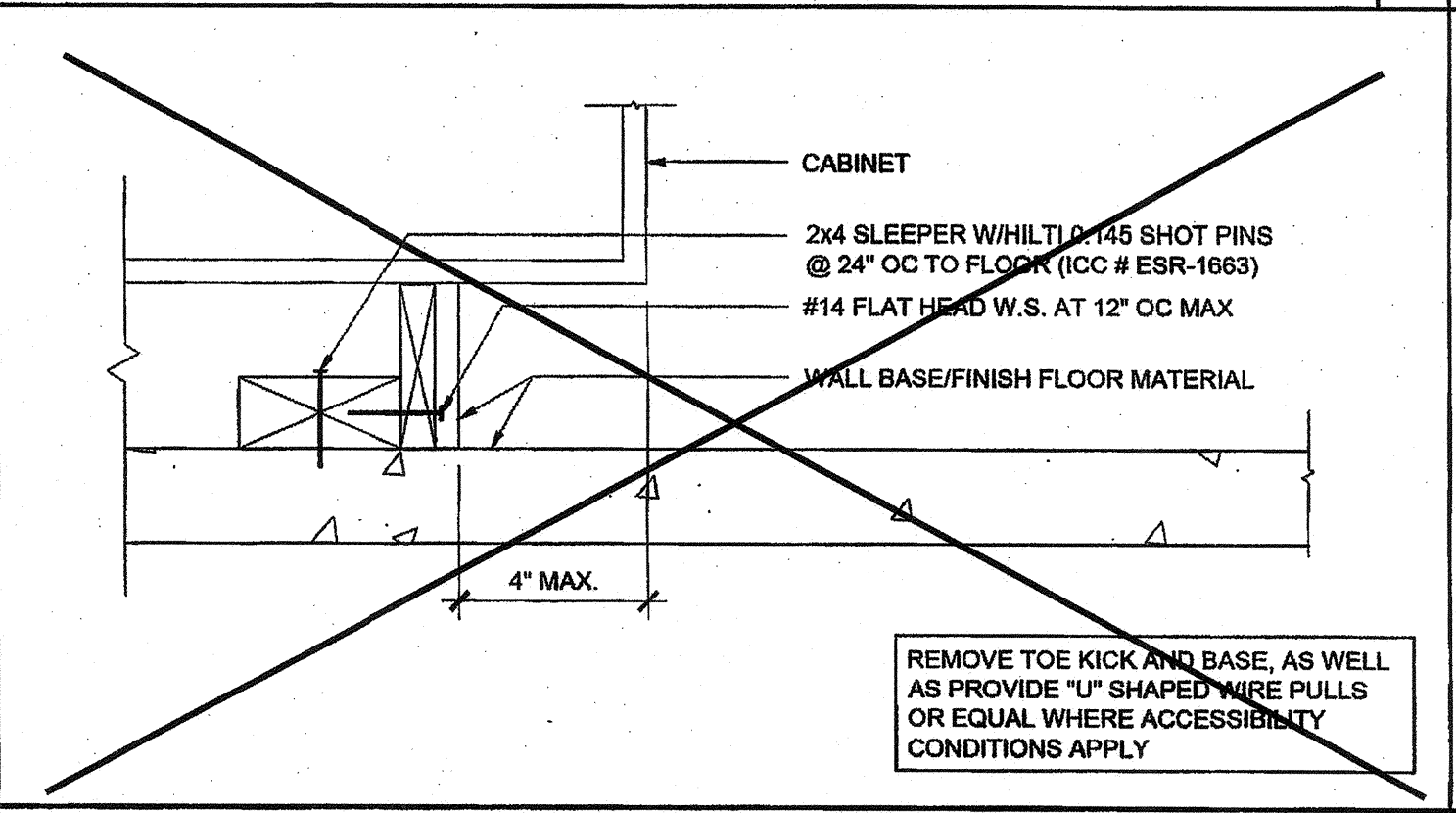
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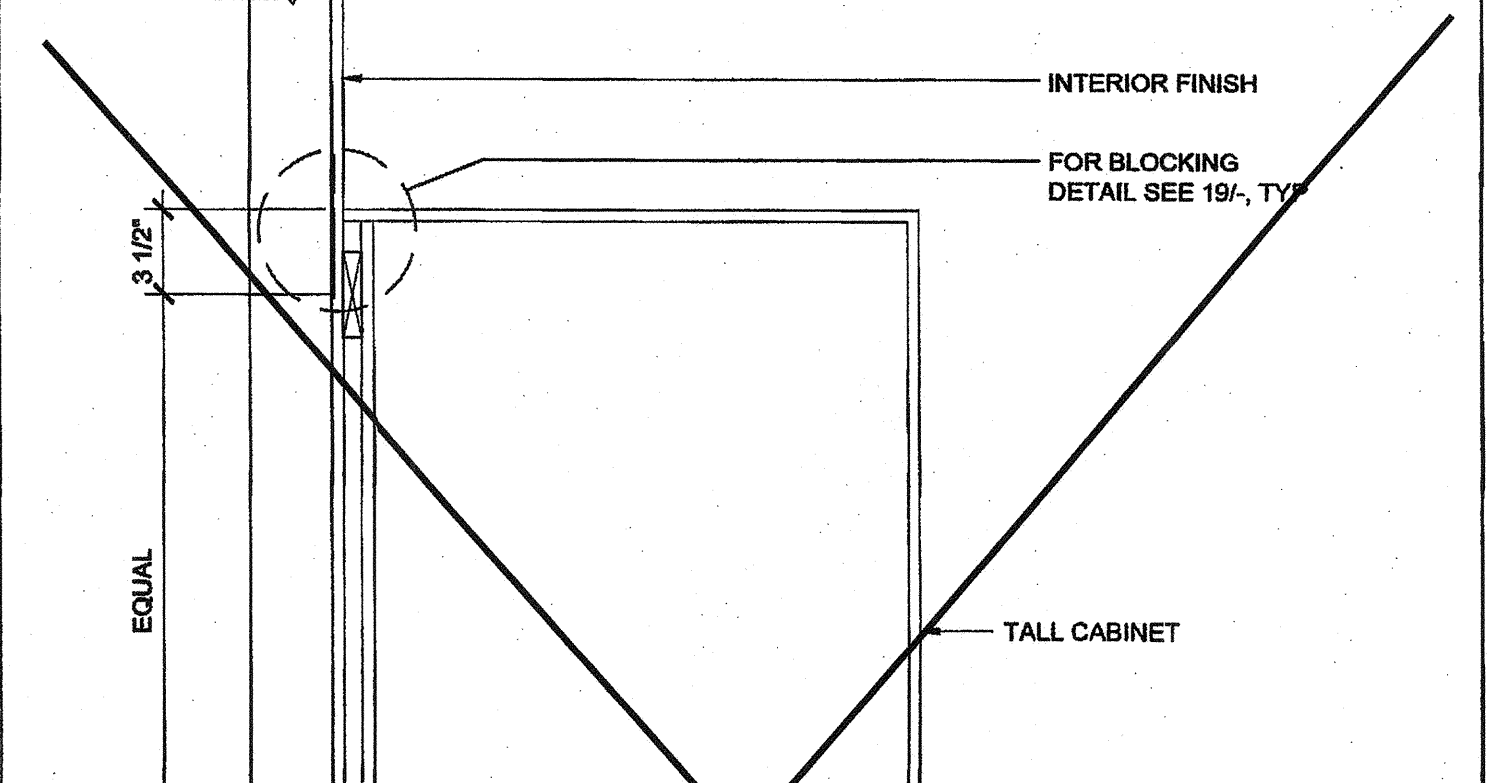
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE: 3/8" = 1'-0" 8



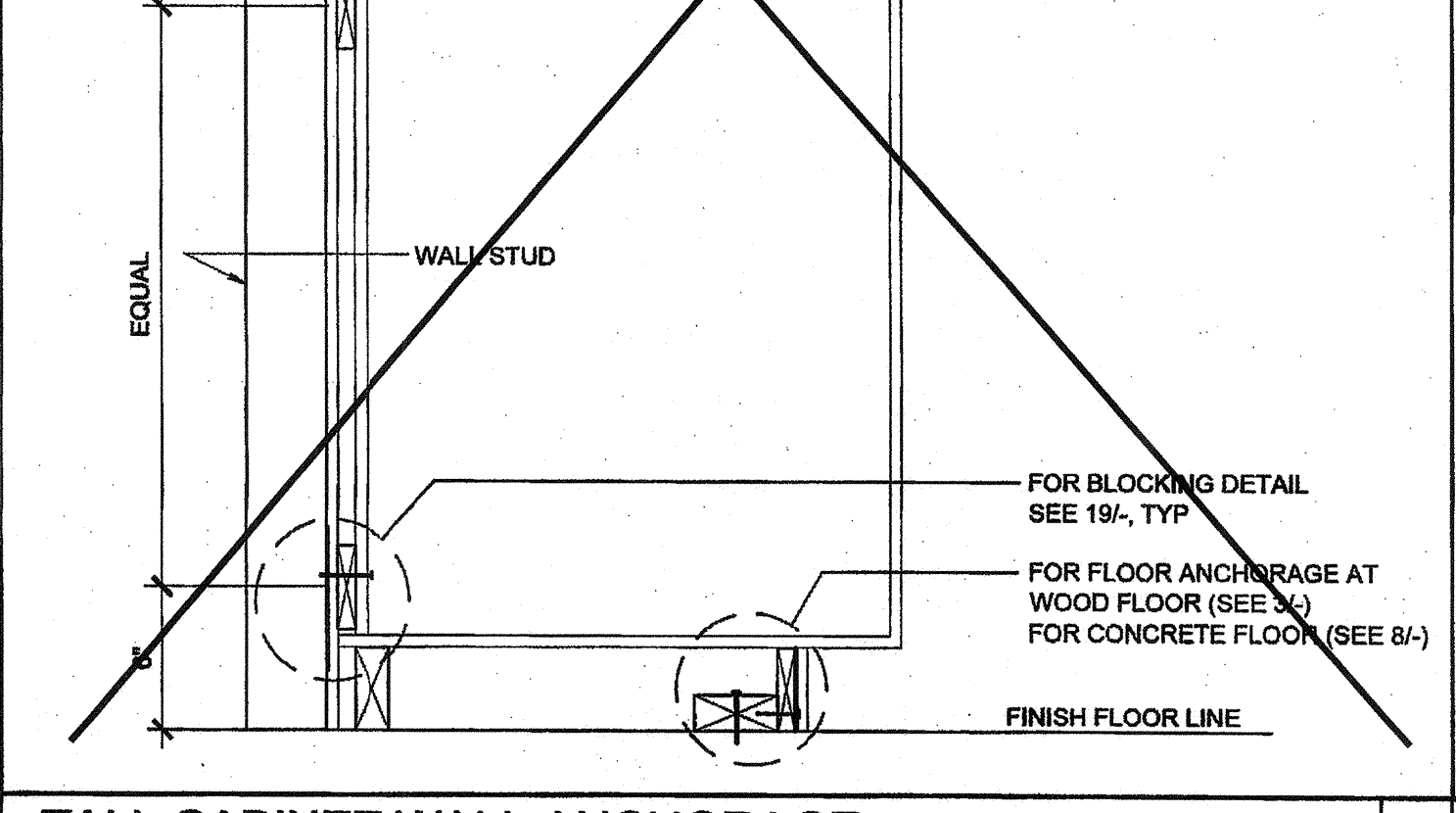
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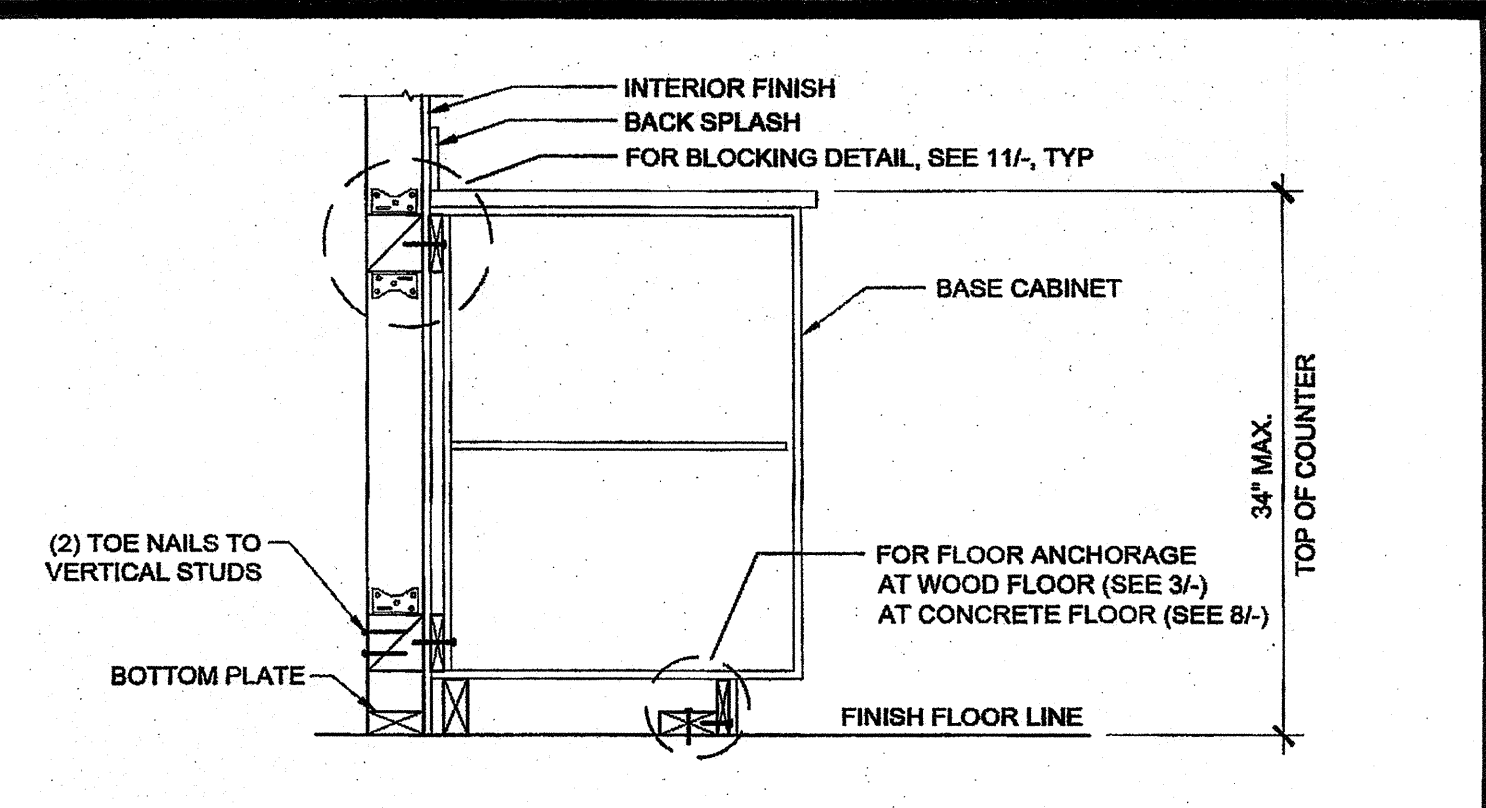
BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 4



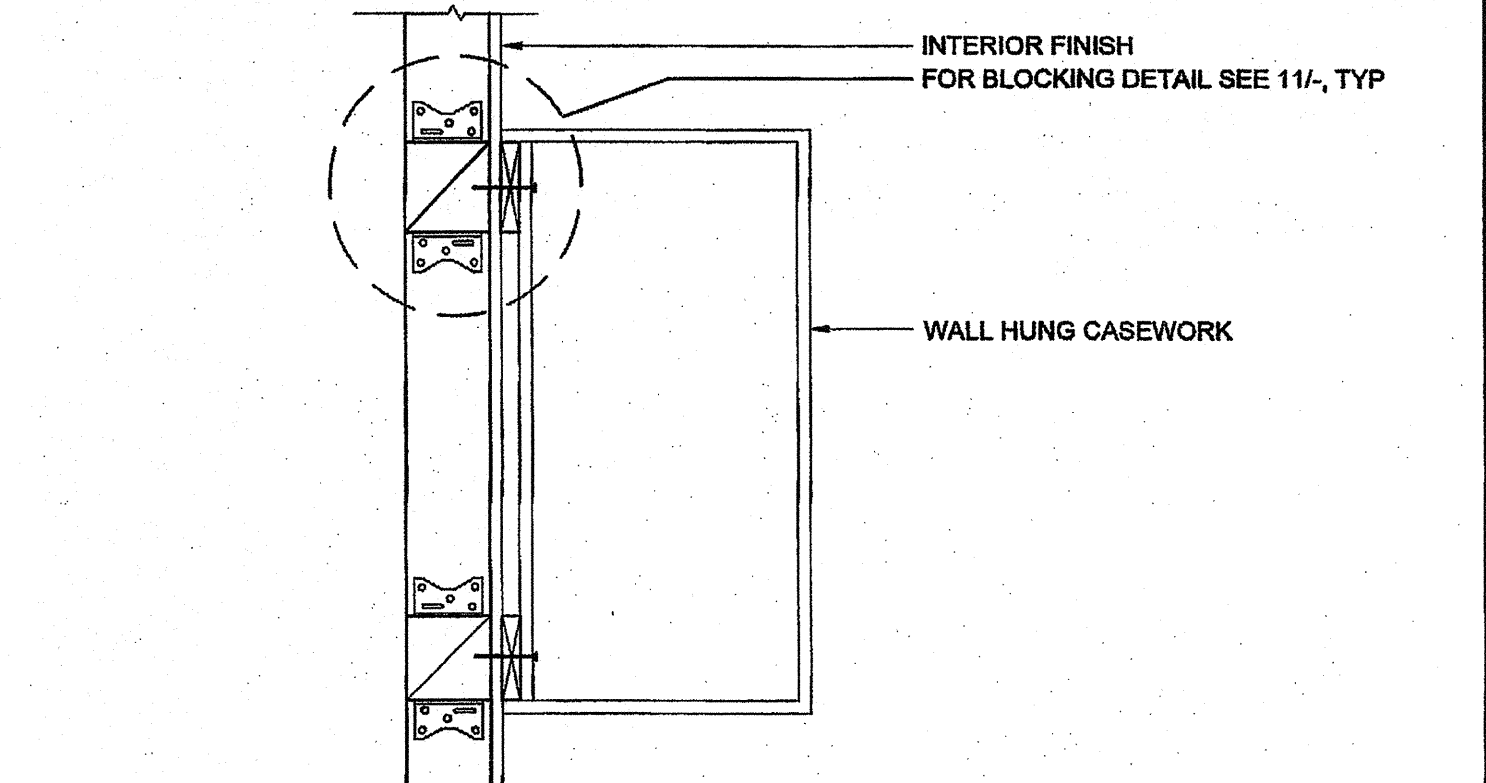
TALL CABINET WALL ANCHORAGE SCALE: 1 1/2" = 1'-0" 10



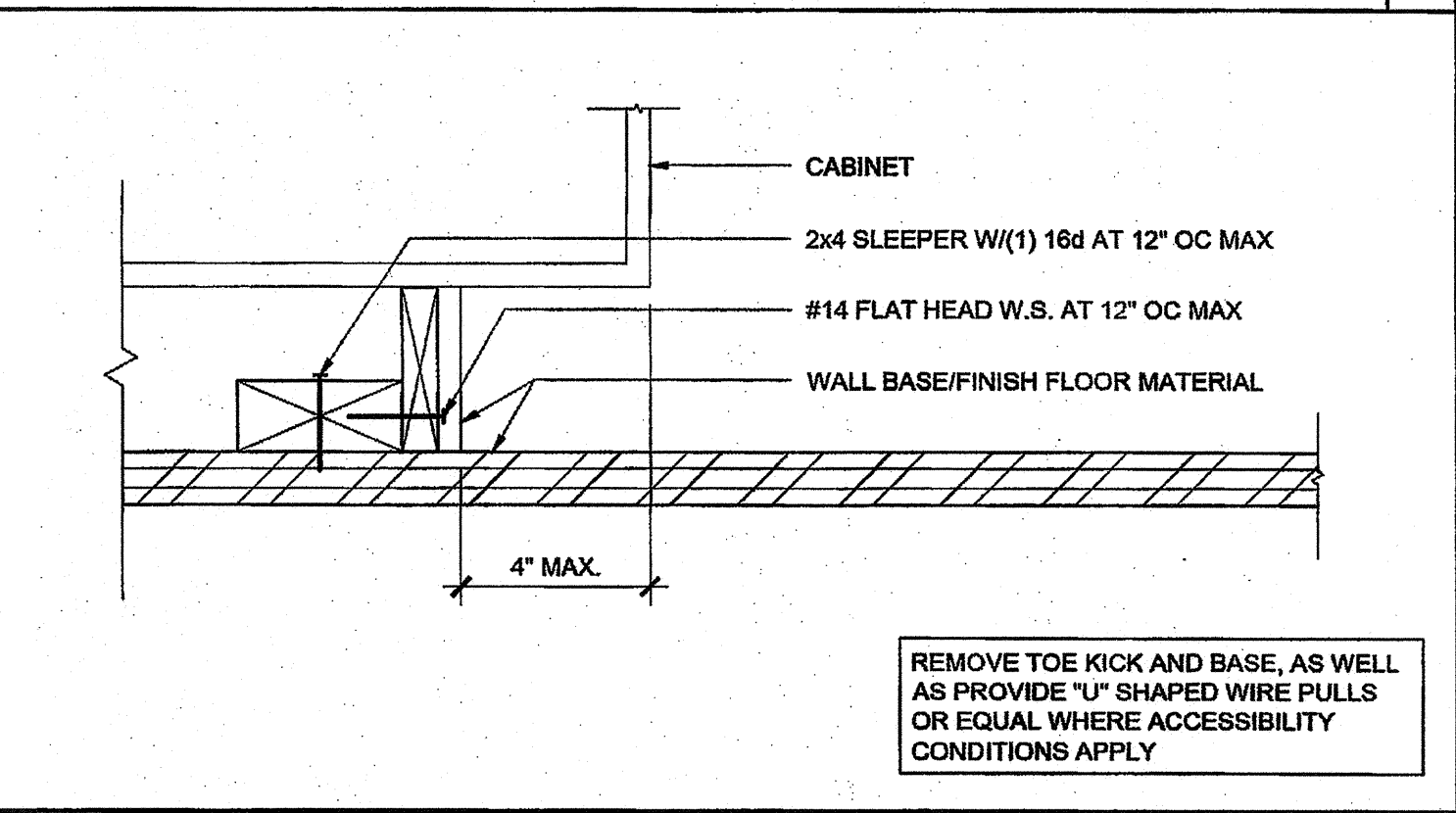
WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 5



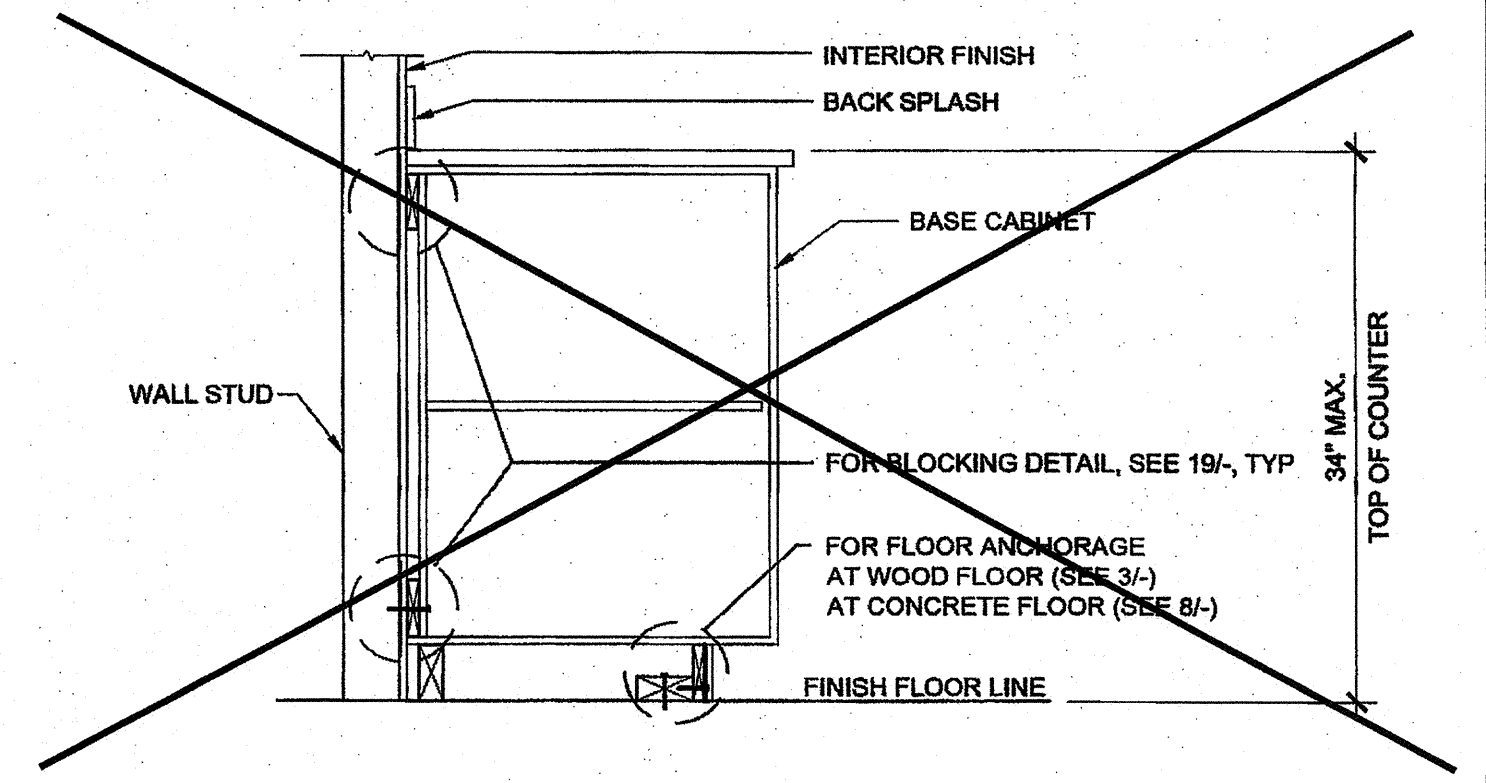
BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 1



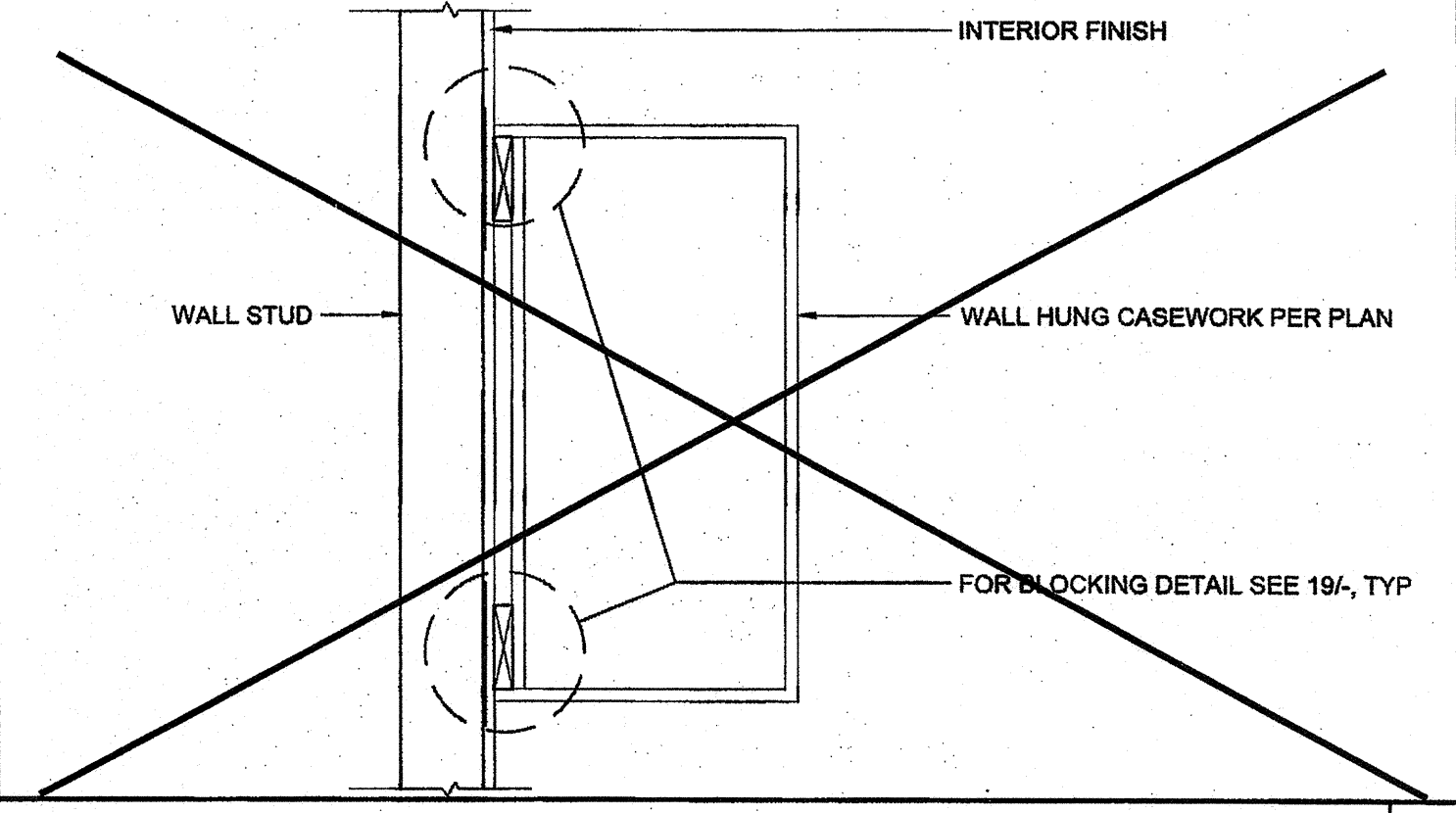
WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2



ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE: 3/8" = 1'-0" 8



ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE: 3/8" = 1'-0" 3



BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 4

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC.  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE  
OFFICE BUILDING**

SHEET TITLE:  
**ARCHITECTURAL  
DETAILS  
MISCELLANEOUS/OPTIONS**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118918  
AG ☒ FLS ☒ SS ☒ RAF  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04116284  
ACS ☒ FLS ☒ SS ☒ RAF  
DATE MAY 18 2017

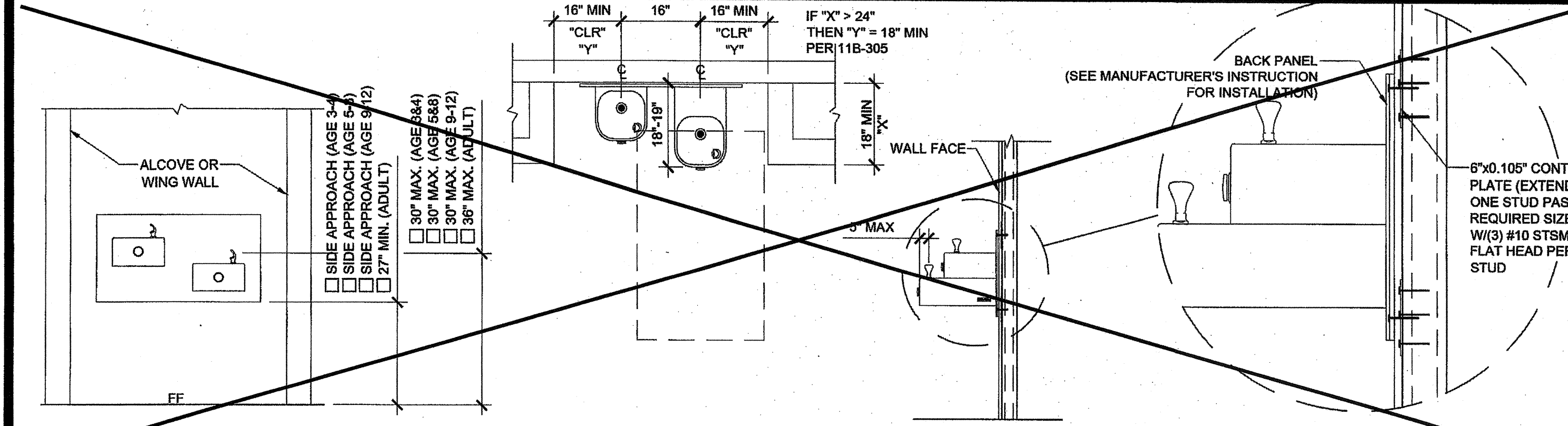
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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AG ☒ FLS ☒ SS ☒ RAF  
DATE AUG - 4 2015

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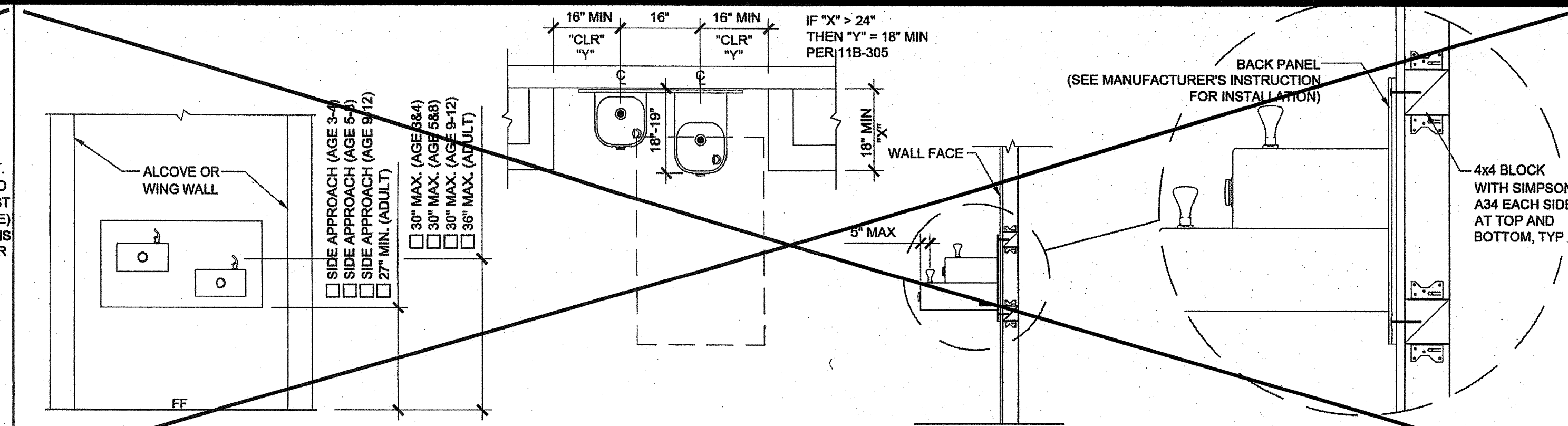
SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
**A-5.80**

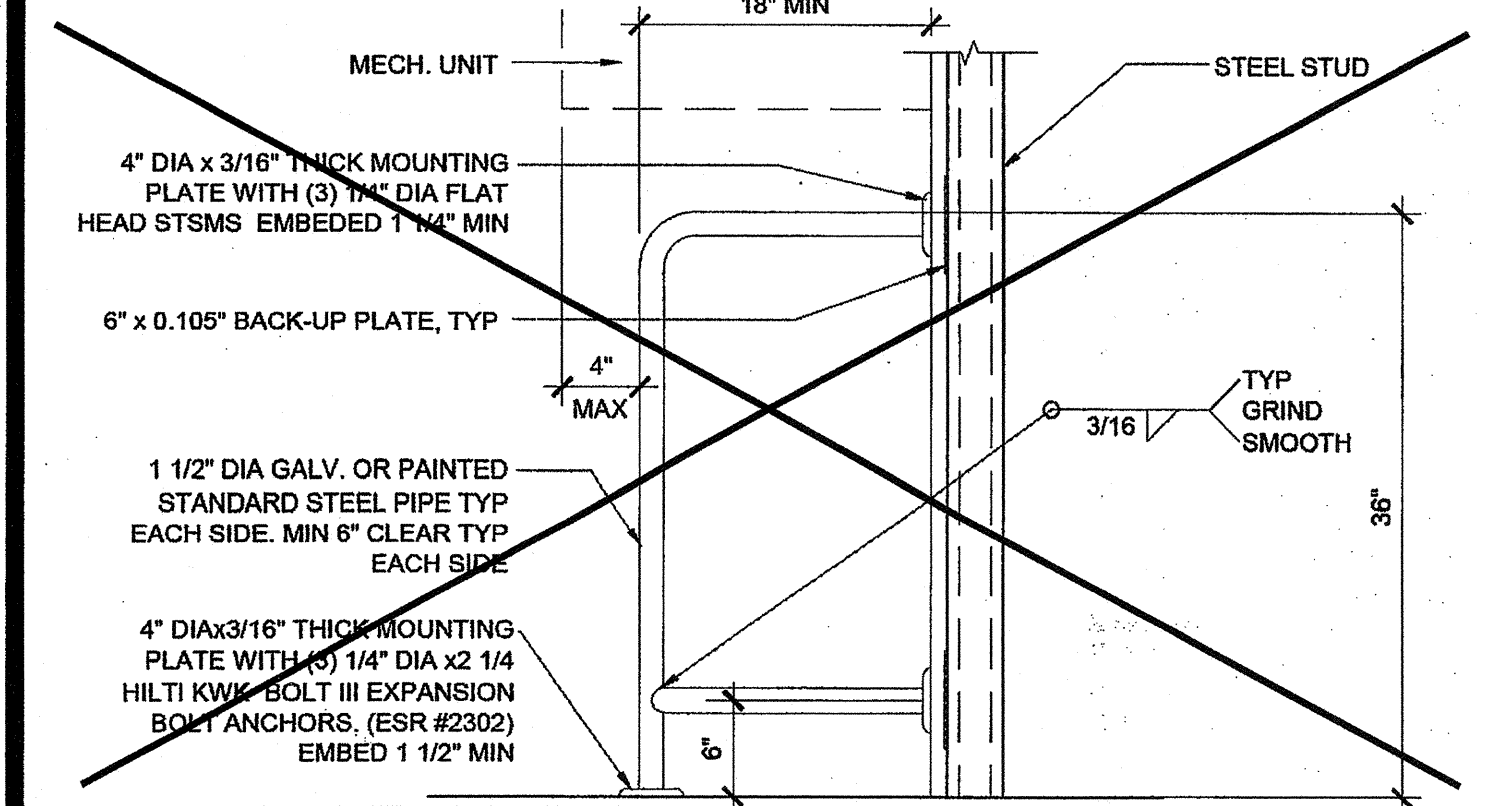




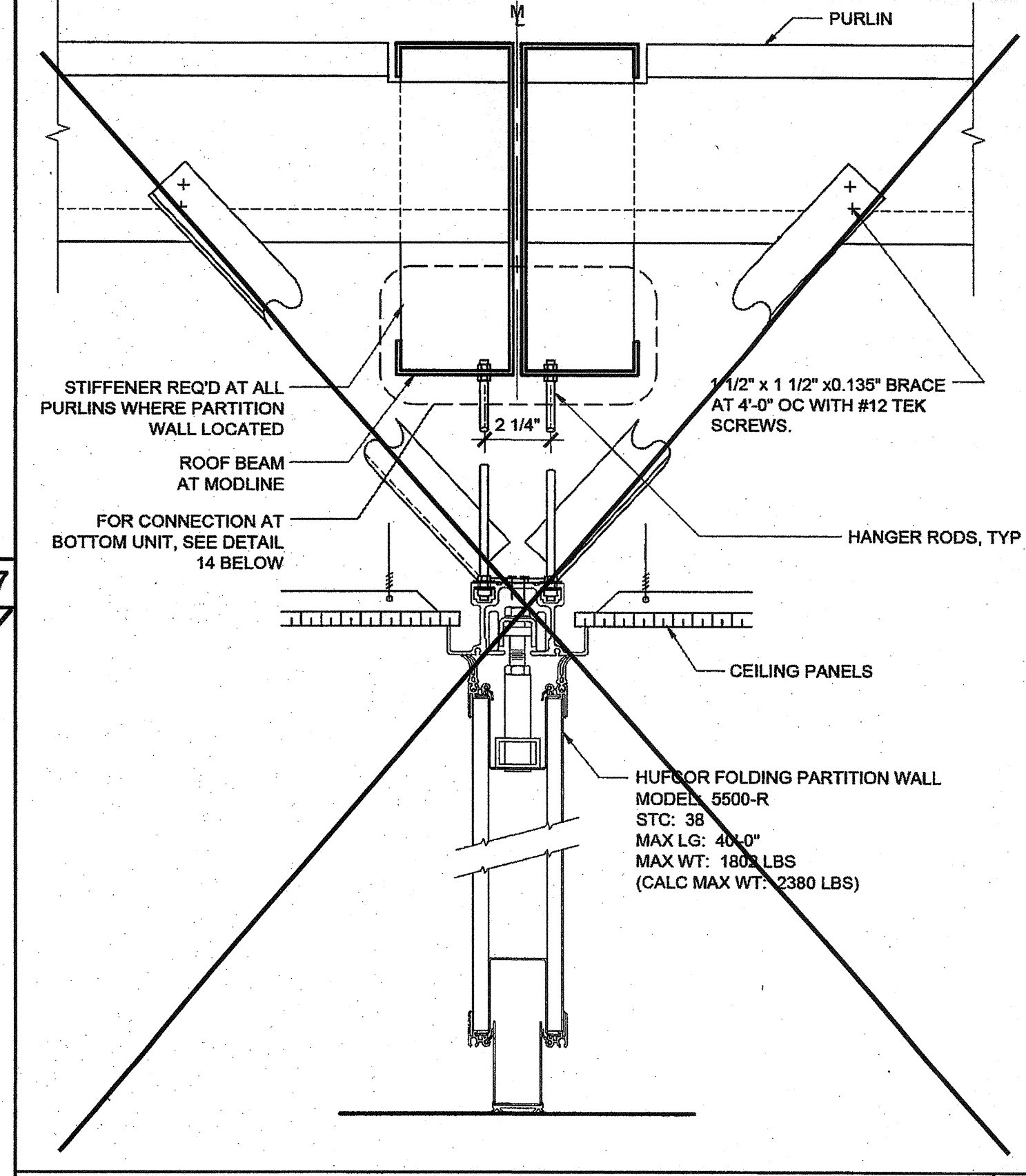
DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD SCALE: 1/2" = 1'-0" 11



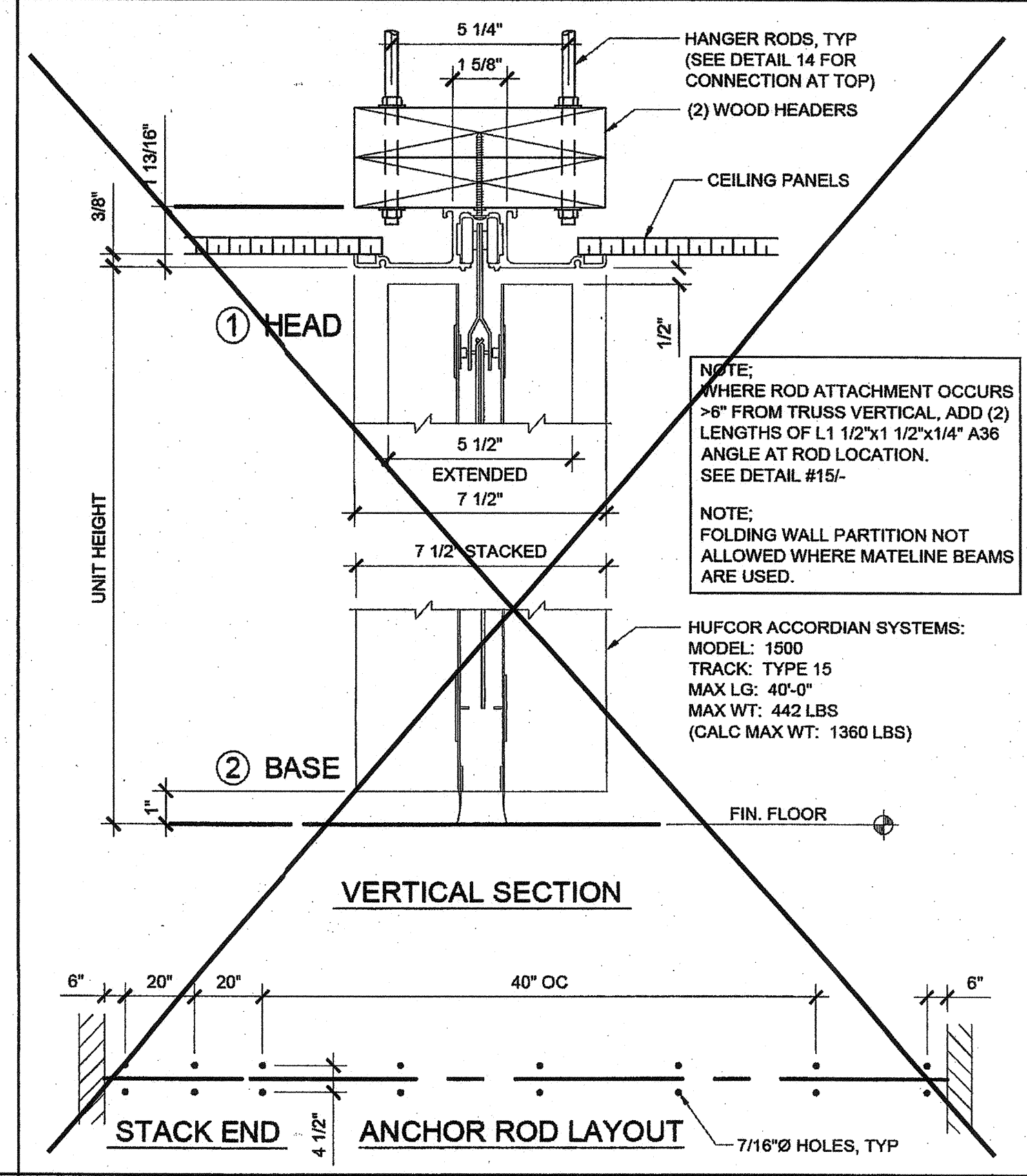
DRINKING FOUNTAIN BLOCKING DETAIL AT WOOD STUD SCALE: 1/2" = 1'-0" 1



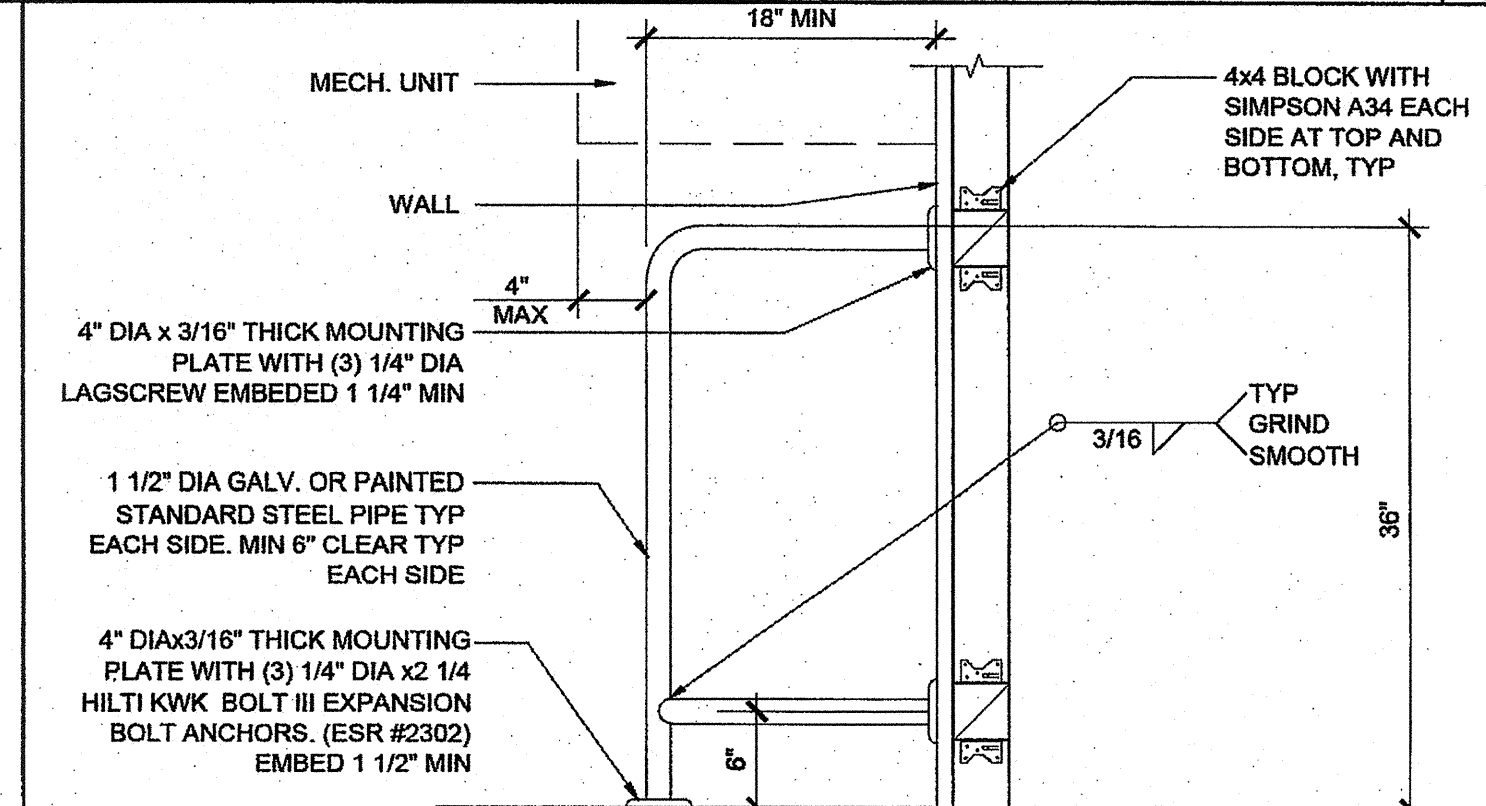
HVAC BARRIER AT STEEL STUD SCALE: 1" = 1'-0" 17



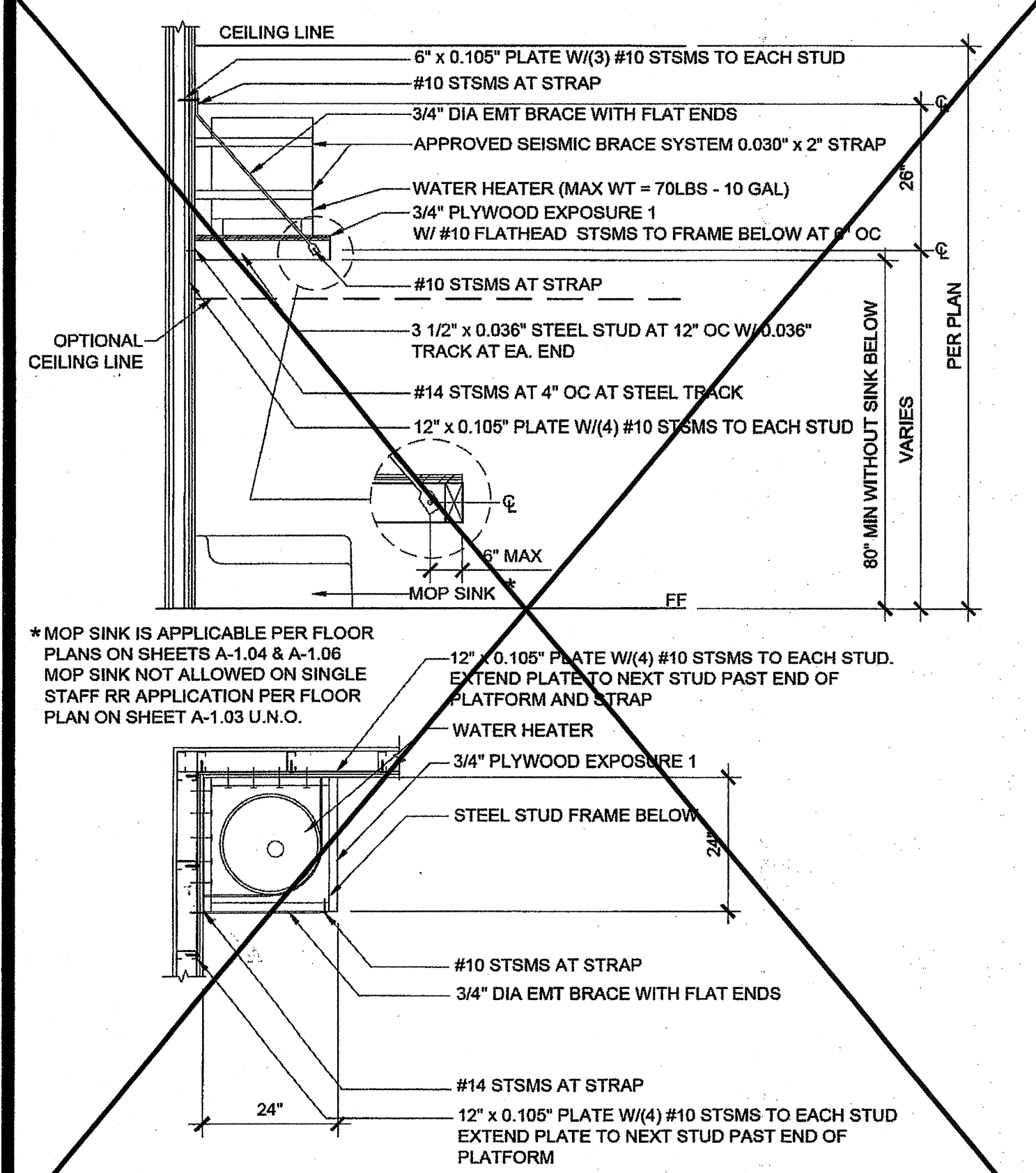
FOLDING WALL PARTITION ATTACHMENT SCALE: 3" = 1'-0" 13



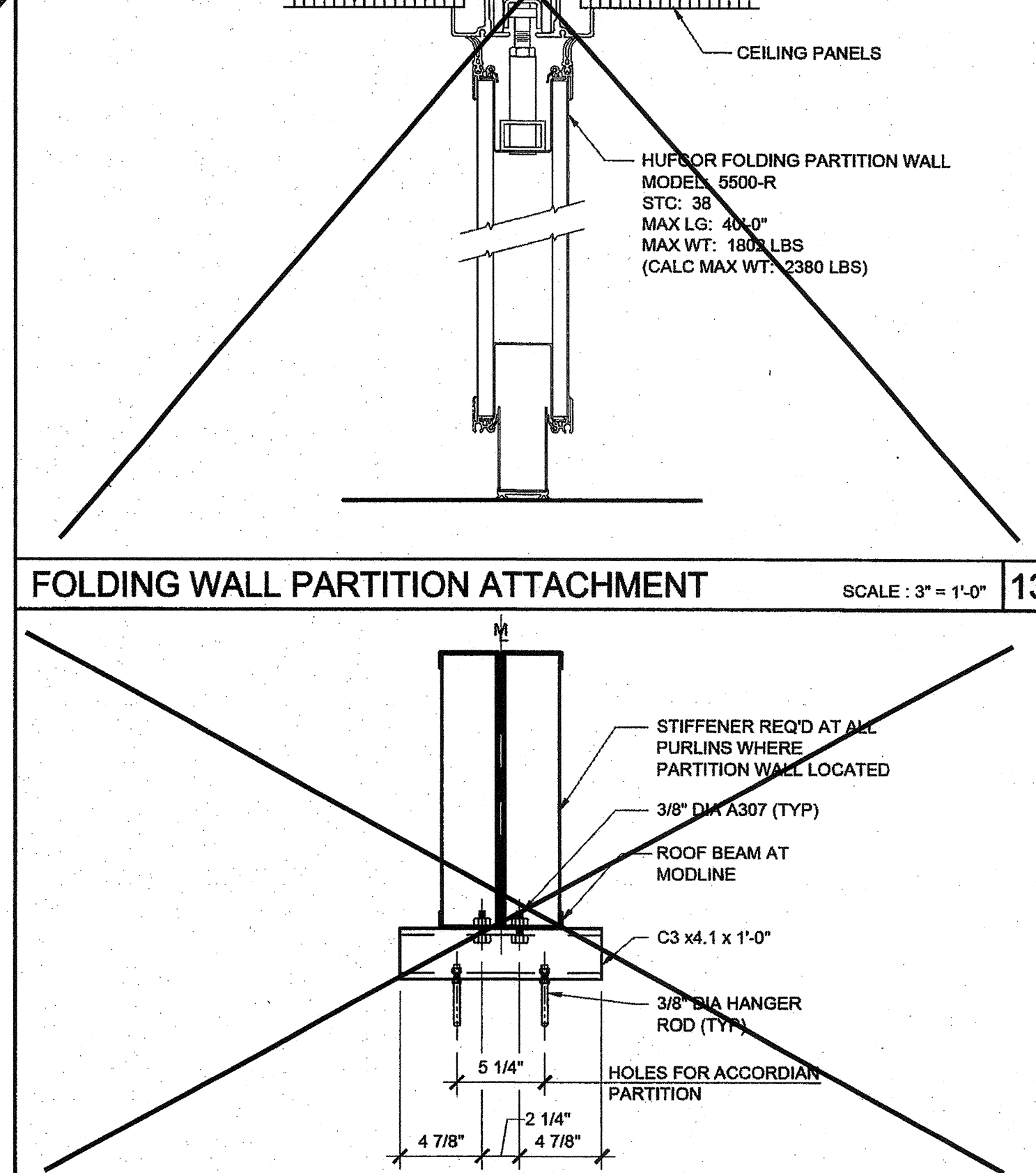
ACCORDION PARTITION ATTACHMENT SCALE: 3" = 1'-0" 8



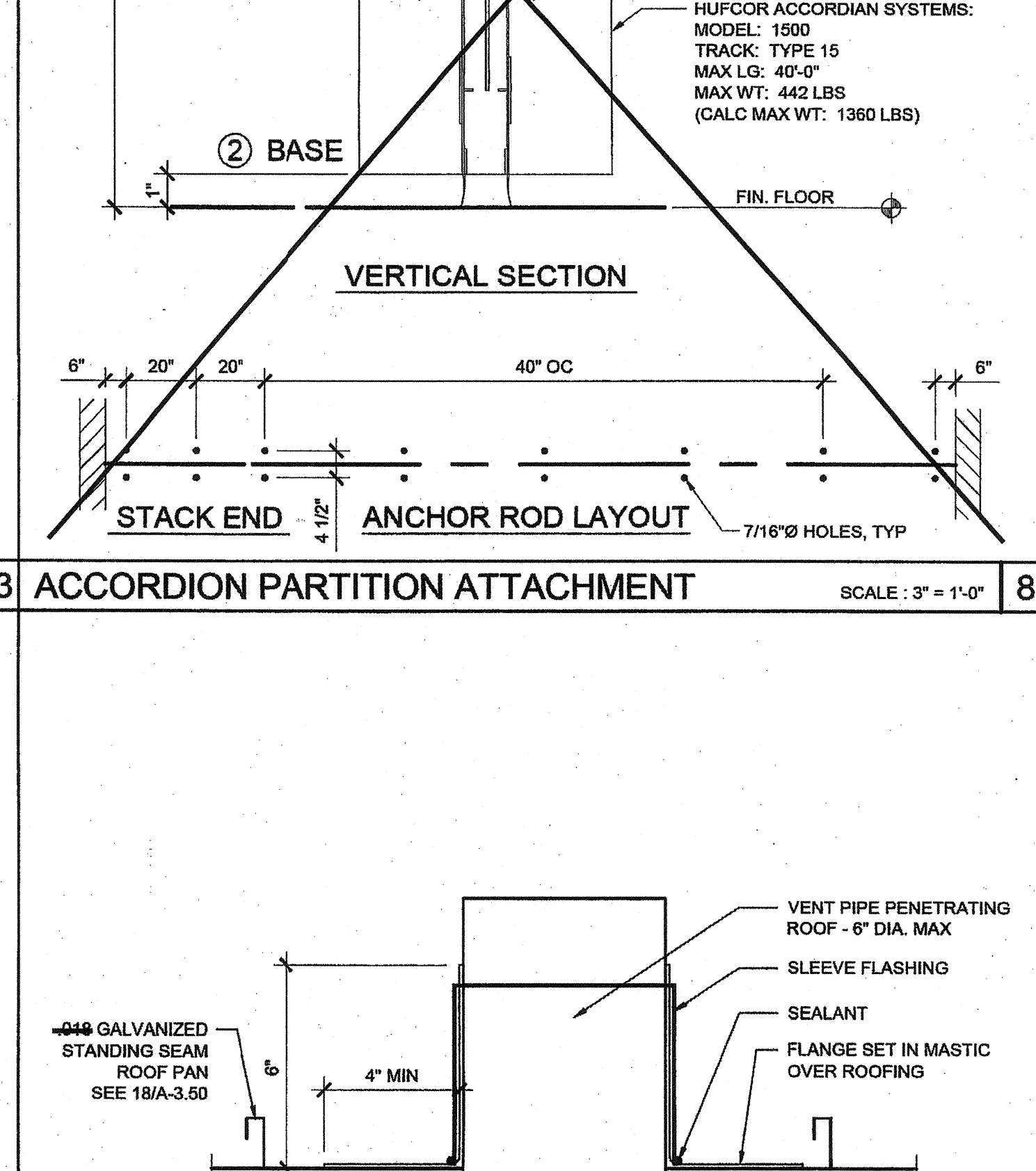
HVAC BARRIER AT WOOD STUD SCALE: 1" = 1'-0" 2



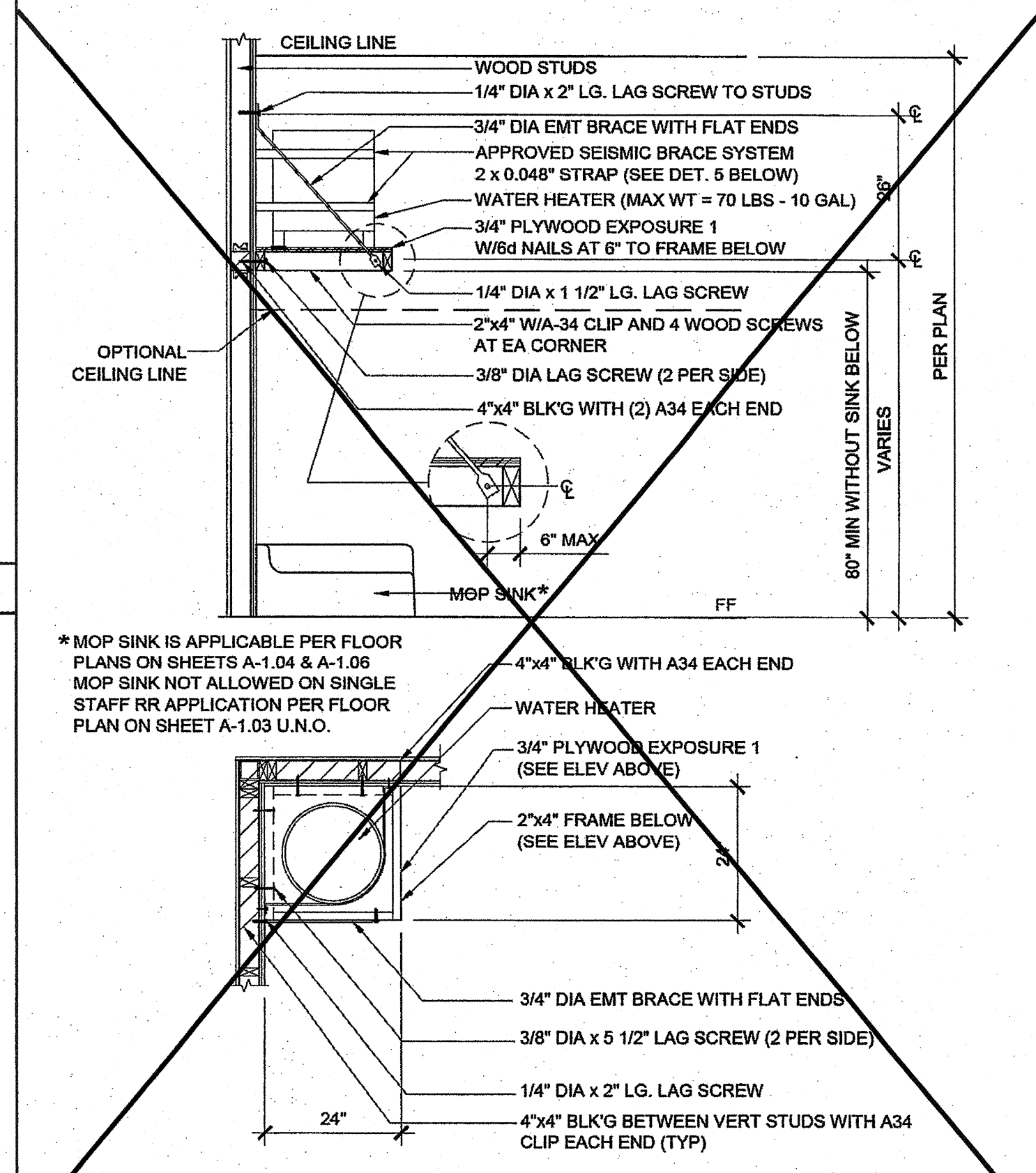
WATER HEATER SHELF AT STEEL STUD SCALE: 1/2" = 1'-0" 19



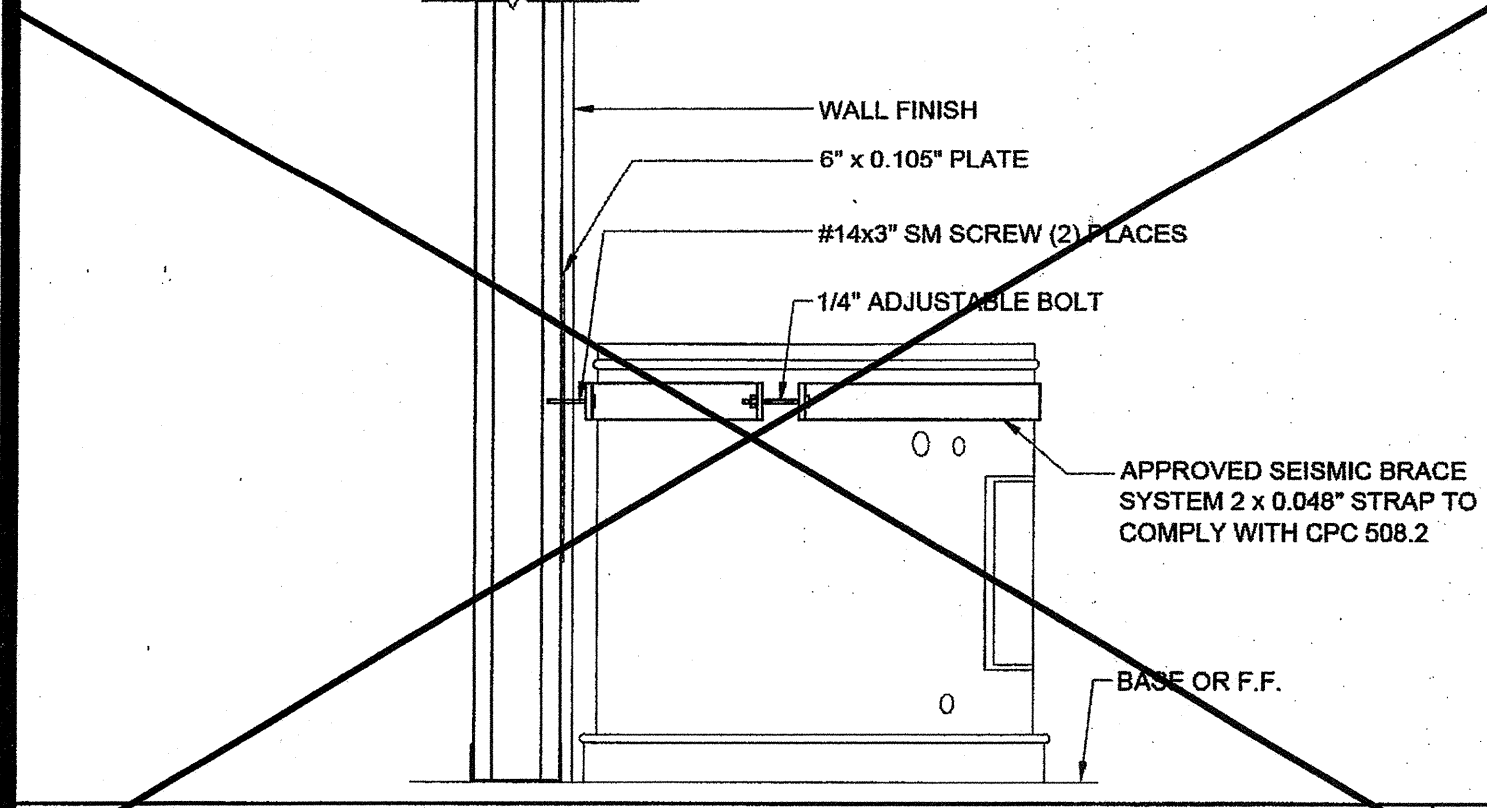
ACCORDION PARTITION - TOP CONN TO ROOF BEAMS SCALE: 1 1/2" = 1'-0" 14



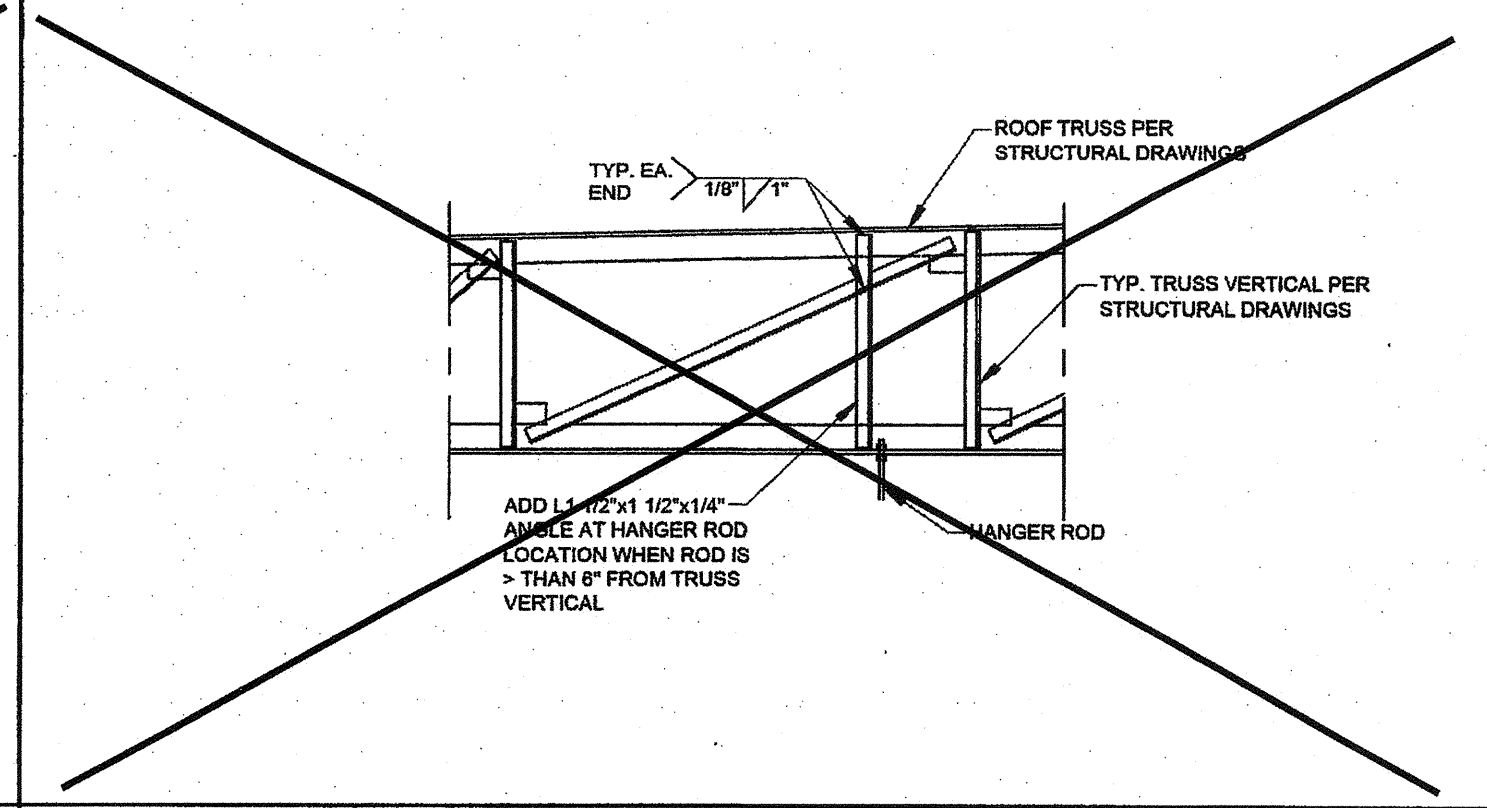
PIPE PENETRATION THROUGH ROOF SCALE: 3" = 1'-0" 15



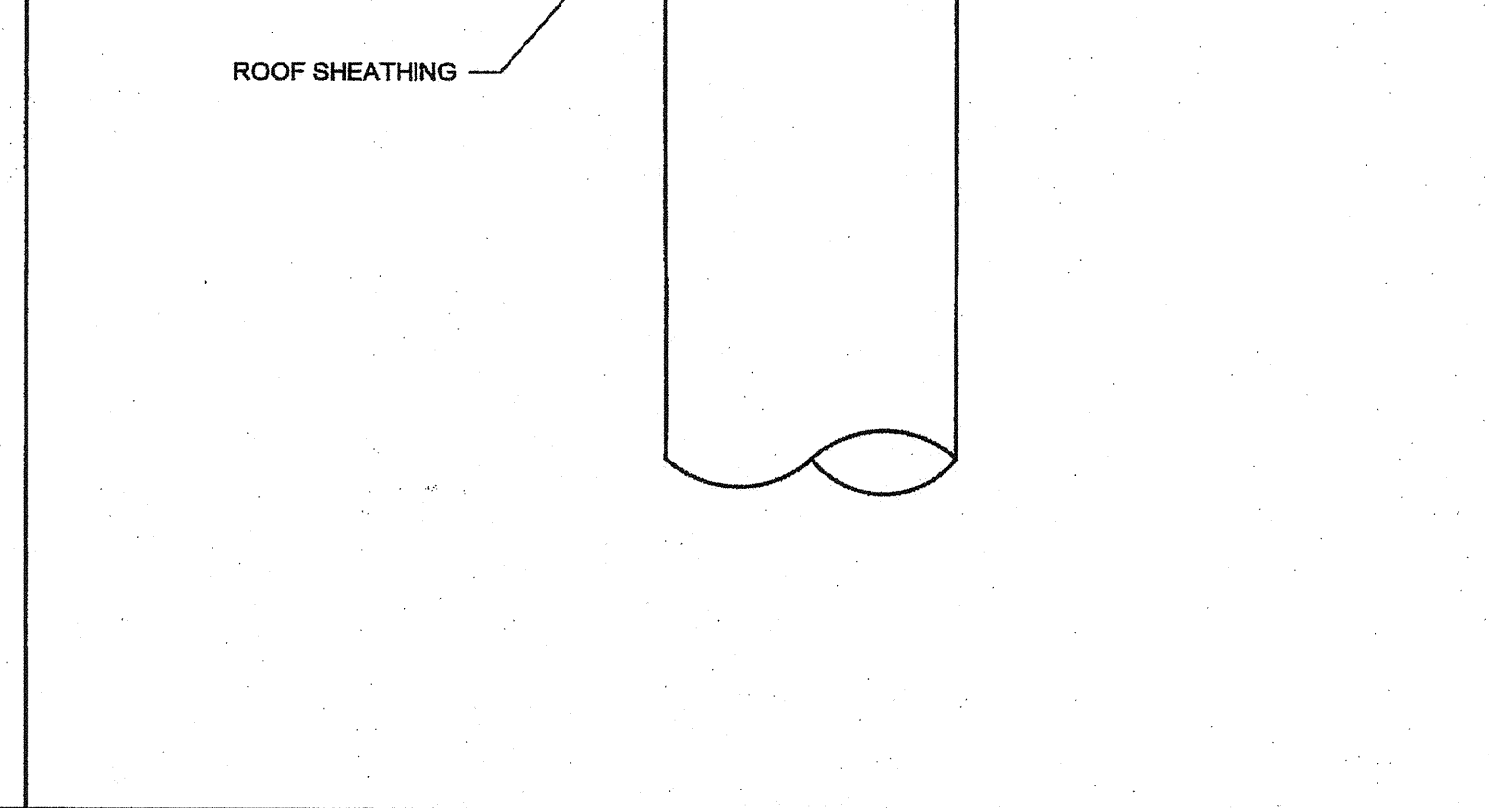
WATER HEATER SHELF AT WOOD STUD SCALE: 1/2" = 1'-0" 4



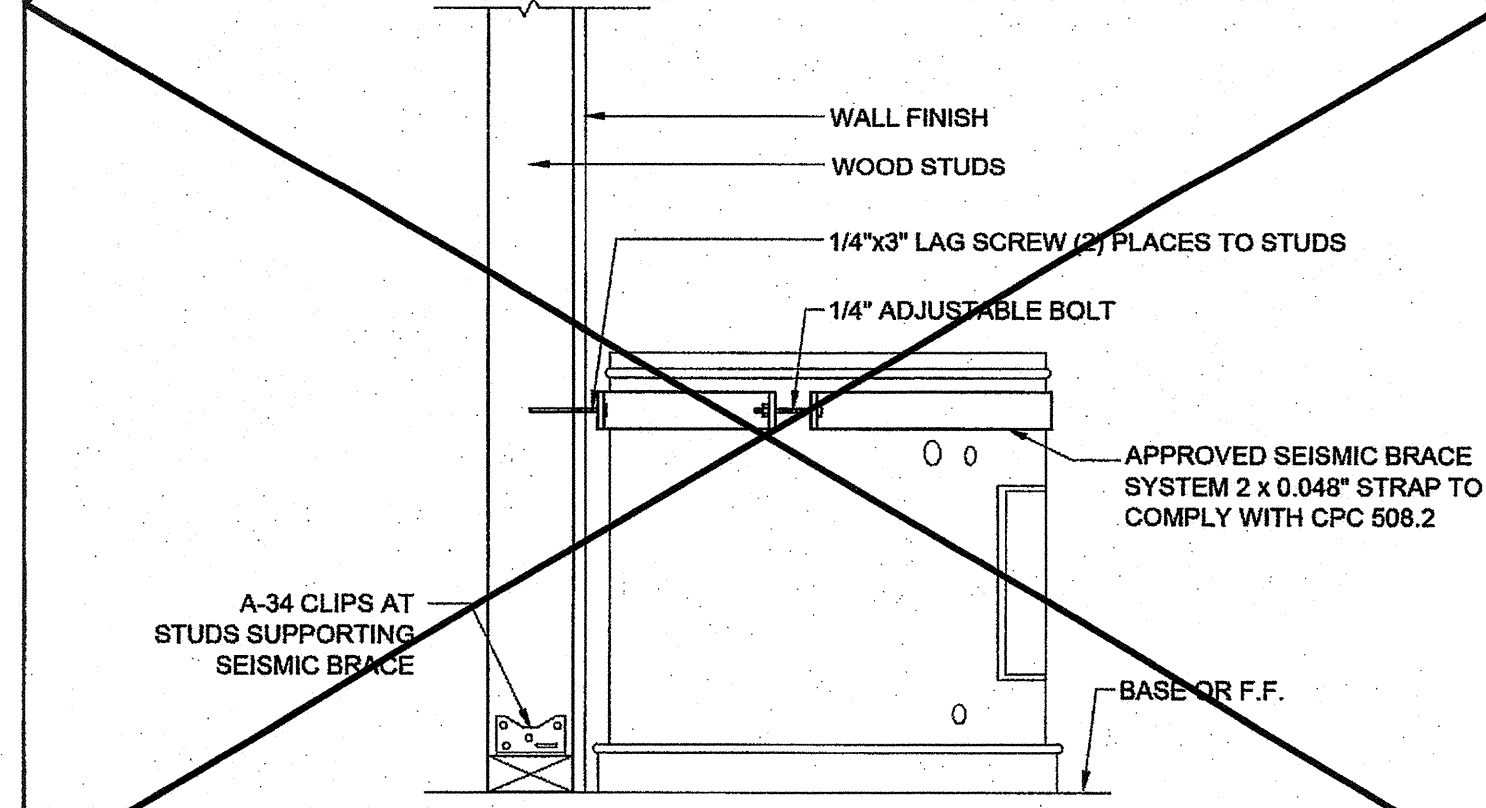
WATER HEATER BRACING AT STEEL STUD SCALE: 1 1/2" = 1'-0" 20



TRUSS SUPPORT @ HANGER ROD SCALE: 1 1/2" = 1'-0" 15



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



WATER HEATER BRACING AT WOOD STUD SCALE: 1 1/2" = 1'-0" 6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

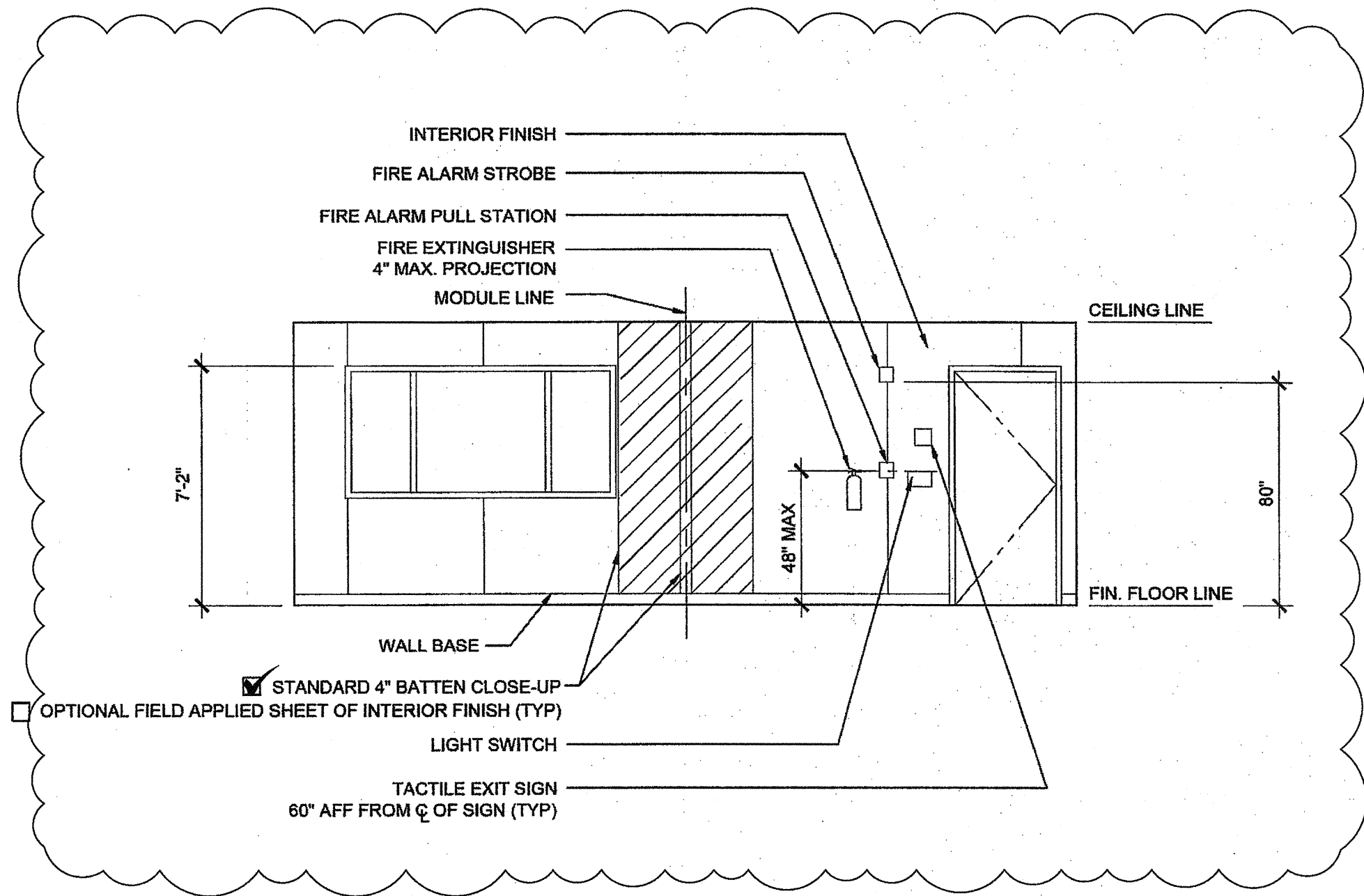
SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
SILVER CREEK  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE  
OFFICE BUILDING**

SHEET TITLE:  
**ARCHITECTURAL  
DETAILS  
MISCELLANEOUS/OPTIONS**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-118916  
AC ☒ FLS ☒ SS ☒  
DATE MAY 24 2018  
PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04-118284  
AC ☒ FLS ☒ SS ☒  
DATE MAY 18 2017  
ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECK (PO) DOCUMENT  
CODE 010 CRE  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC ☒ FLS ☒ SS ☒  
DATE AUG - 4 2017  
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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
**A-5.81**





FRONT ELEVATION

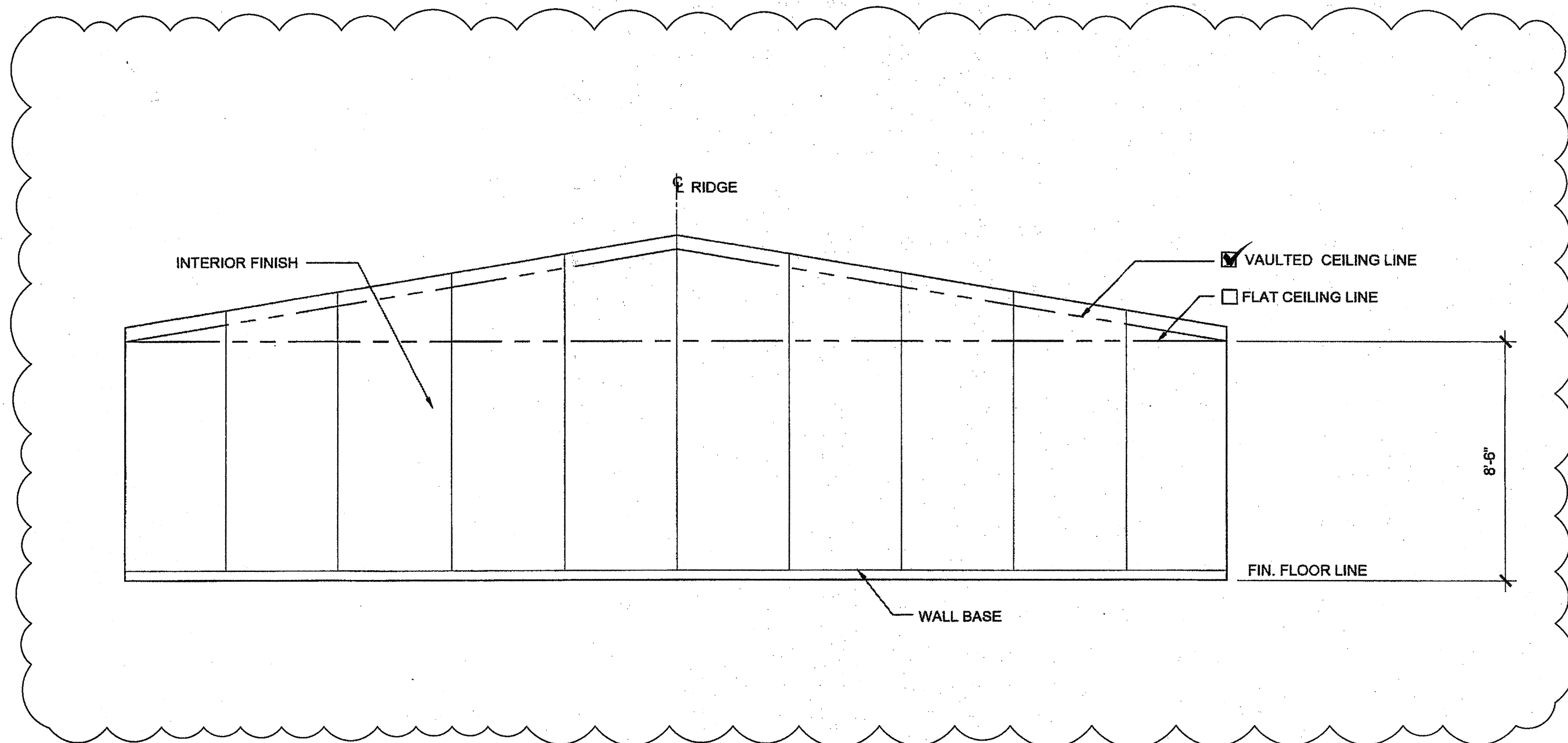
SCALE: 1/4" = 1'-0"

3

REAR ELEVATION

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

1



SIDE ELEVATION

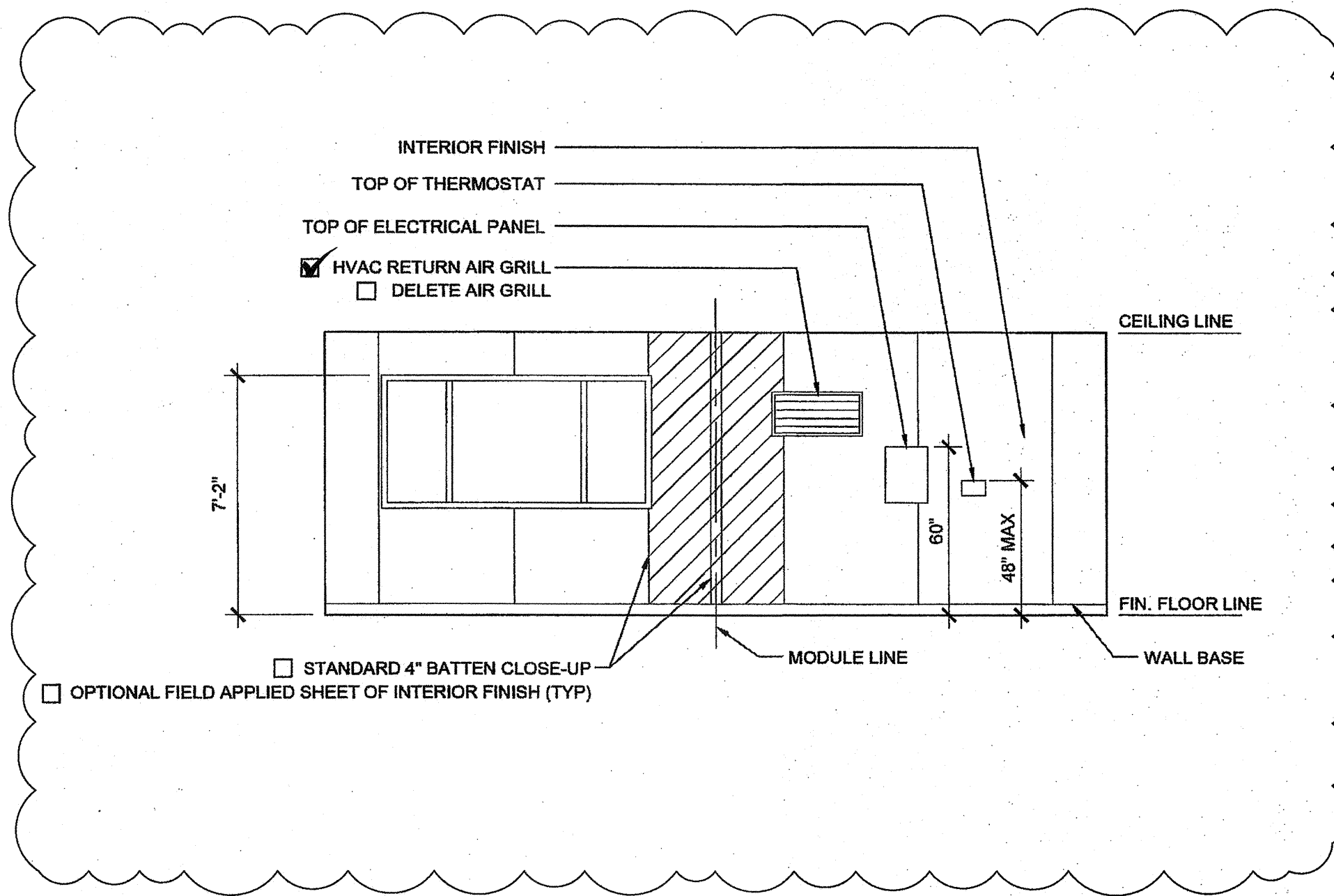
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4

SIDE ELEVATION

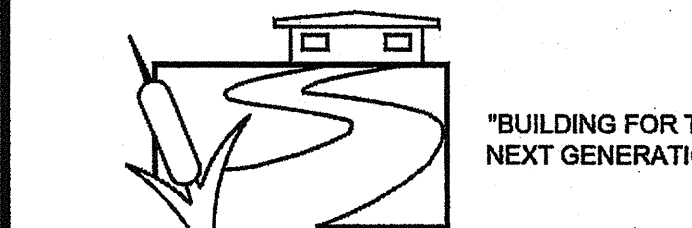
SCALE: 1/4" = 1'-0"

2



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



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

PROJECT NAME:

**24x40 STOCKPILE  
OFFICE BUILDING**

SHEET TITLE:

**INTERIOR ELEVATION  
24' x 40'**



AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
0318914  
AC FLS SS  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
04116284  
ACS FLS SS RAE  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECK (PO) DOCUMENT  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC FLS SS RAE  
DATE AUG 14 2015

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24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
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SCALE: AS NOTED  
DATE: 01-30-15

P.C. SHEET NUMBER  
**A-6.01**

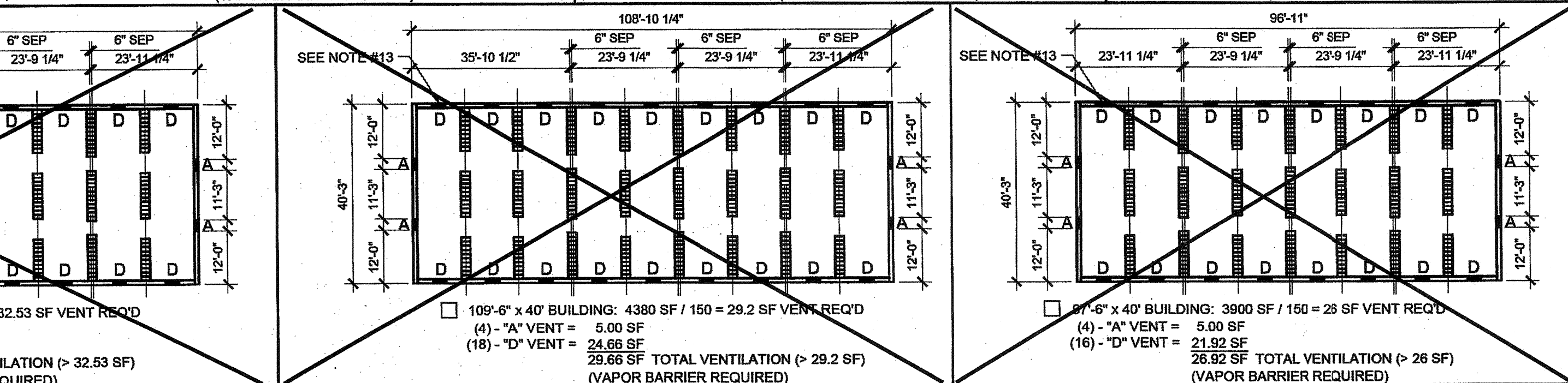
REFER TO SHEET "A-6.01N" FOR PROJECT SPECIFIC



Diagram 1 (Left): 84'-7" x 40'-3" building. Ventilation points: 6" SEP (23'-9 1/4"), 6" SEP (23'-11 1/4"). Calculations: 65' x 40' BUILDING: 3400 SF / 150 = 22.66 SF VENT REQ'D; (4) - "A" VENT = 5.00 SF; (13) - "D" VENT = 17.61 SF; 22.61 SF TOTAL VENTILATION (> 22.66 SF) (VAPOR BARRIER REQUIRED).

Diagram 2 (Middle): 72'-7 3/4" x 40'-3" building. Ventilation points: 6" SEP (23'-9 1/4"), 6" SEP (23'-11 1/4"). Calculations: 73' x 40' BUILDING: 2920 SF / 150 = 19.46 SF VENT REQ'D; (4) - "A" VENT = 5.00 SF; (11) - "D" VENT = 15.07 SF; 20.07 SF TOTAL VENTILATION (> 19.46 SF) (VAPOR BARRIER REQUIRED).

Diagram 3 (Right): 60'-3 3/4" x 40'-3" building. Ventilation points: 6" SEP (23'-11 1/4"). Calculations: 60'-6" x 40' BUILDING: 2420 SF / 150 = 16.13 SF VENT REQ'D; (4) - "A" VENT = 5.00 SF; (9) - "D" VENT = 12.33 SF; 17.33 SF TOTAL VENTILATION (> 16.13 SF) (VAPOR BARRIER REQUIRED).



100 PSF								
PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
					SEPARATE BLDGS	ONE BLDG	SEPARATE BLDGS	ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12	(2) ROWS OF 2x8	2x12
SILL	2x14	2x14	(11) 2x12 x 2'-0"	(10) 2x12 x 2'-0"	(2) ROWS OF 2x14	(12) 2x12 x 2'-0"	(2) ROWS OF 2x14	(12) 2x12 x 2'-0"

VENT "A" (SIDEWALL): 2'-6" x 6" = 1.25 S.F. VENTILATION

"VENT OPENING  
BELOW CONT. UPPER PLATE"

VENT "B" (ENDWALL): 2'-9" x 3" = 0.68 S.F. VENTILATION

(OPTIONAL AT  
MULTIPLE BLDG  
SETS)

"VENT OPENING  
ABOVE CONT. SILL AND BLOCK PLATE"

VENT "D" (ENDWALL): 2'-9" x 4 1/2" = 1.03 S.F. VENTILATION

(OPTIONAL AT  
MULTIPLE BLDG  
SETS)

"VENT OPENING  
ABOVE CONT. SILL AND BLOCK PLATES"

VENT "E" (ENDWALL): 2'-9" x 6" = 1.37 S.F. VENTILATION

(OPTIONAL AT  
MULTIPLE BLDG  
SETS)

"VENT OPENING  
ABOVE CONT. SILL AND BLOCK PLATES"

Diagram illustrating the components of a window sill assembly:

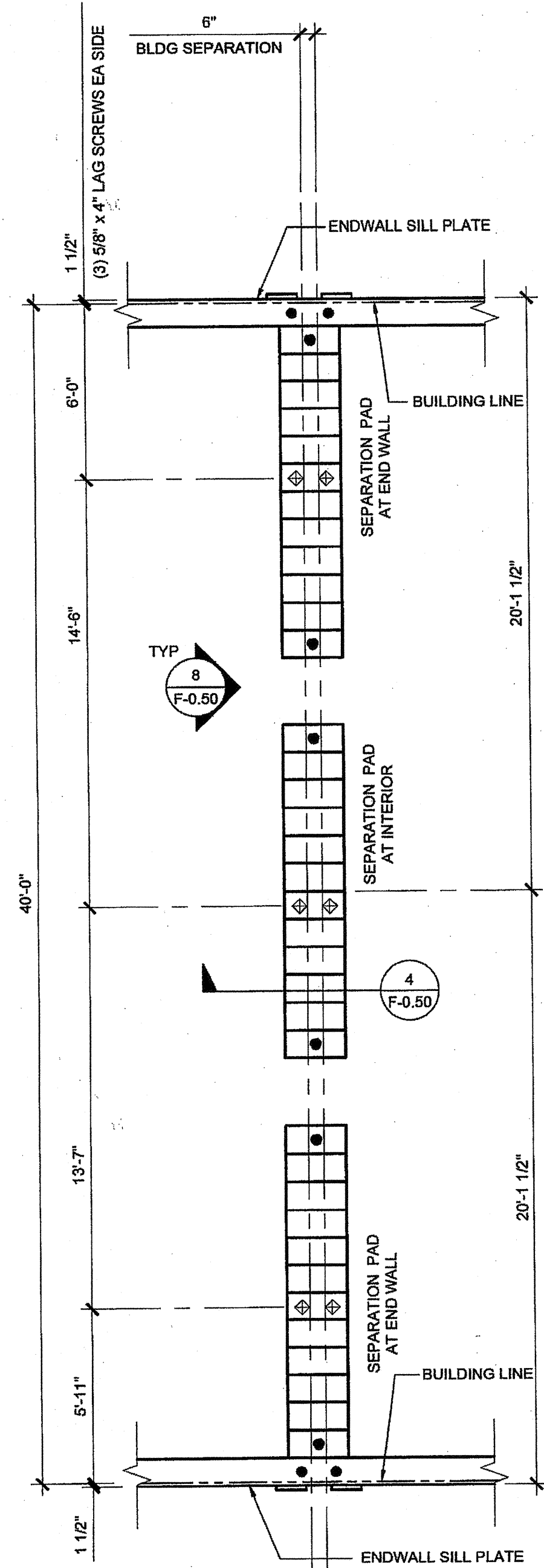
- UPPER MOST PLATE  
ADDITIONAL 2x4 PLATE AS NEEDED
- SHIM AS NEEDED. SAME WIDTH AS PLATE ABOVE
- TOP PLATE
- BLOCK PLATE
- SILL PLATE  
(2x12 OR 2x14)
- FIN GRADE
- SILL RESTRAINT



1. BUILDINGS OVER 2160 SF. MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR-16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:  
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD BE INCREASING THE ONE-ONE/2 INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO OSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F-50
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50
12. CRAWLSPACE VAPOR RETARDERS (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 1203.3.2(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 (2-MIL THICK, JOINT LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAM INSTALLATION RECOMMENDATIONS:  
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F-50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION.
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:  
A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.  
B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.  
C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
24' x 40'	8" OC AT ENDWALL - 1 / F-0.50 18" OC AT SIDEWALL - 2 / F-0.50 12" OC AT SEPARATION - 4 / F-0.50

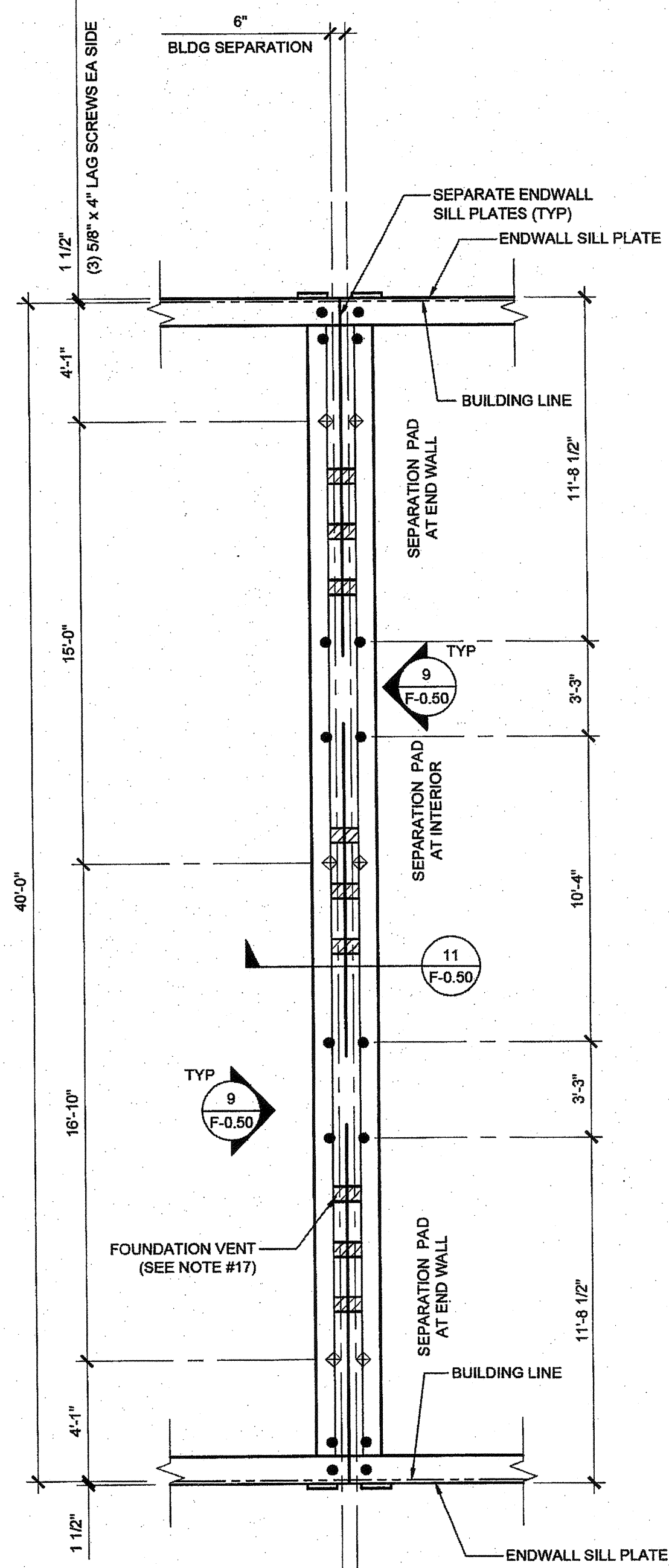
BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
24' x 40'	960 SF	6.4 SF (1/150)	4.125' x 4.5" = (4) 1.54 SF/ EA (6.16 SF TOTAL)	2.75' x 4.5" = (1) 1.03 SF/ EA (1.03 SF TOTAL)	7.19 SF SEE NOTE #8



BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
24' x 40'	3	4	14



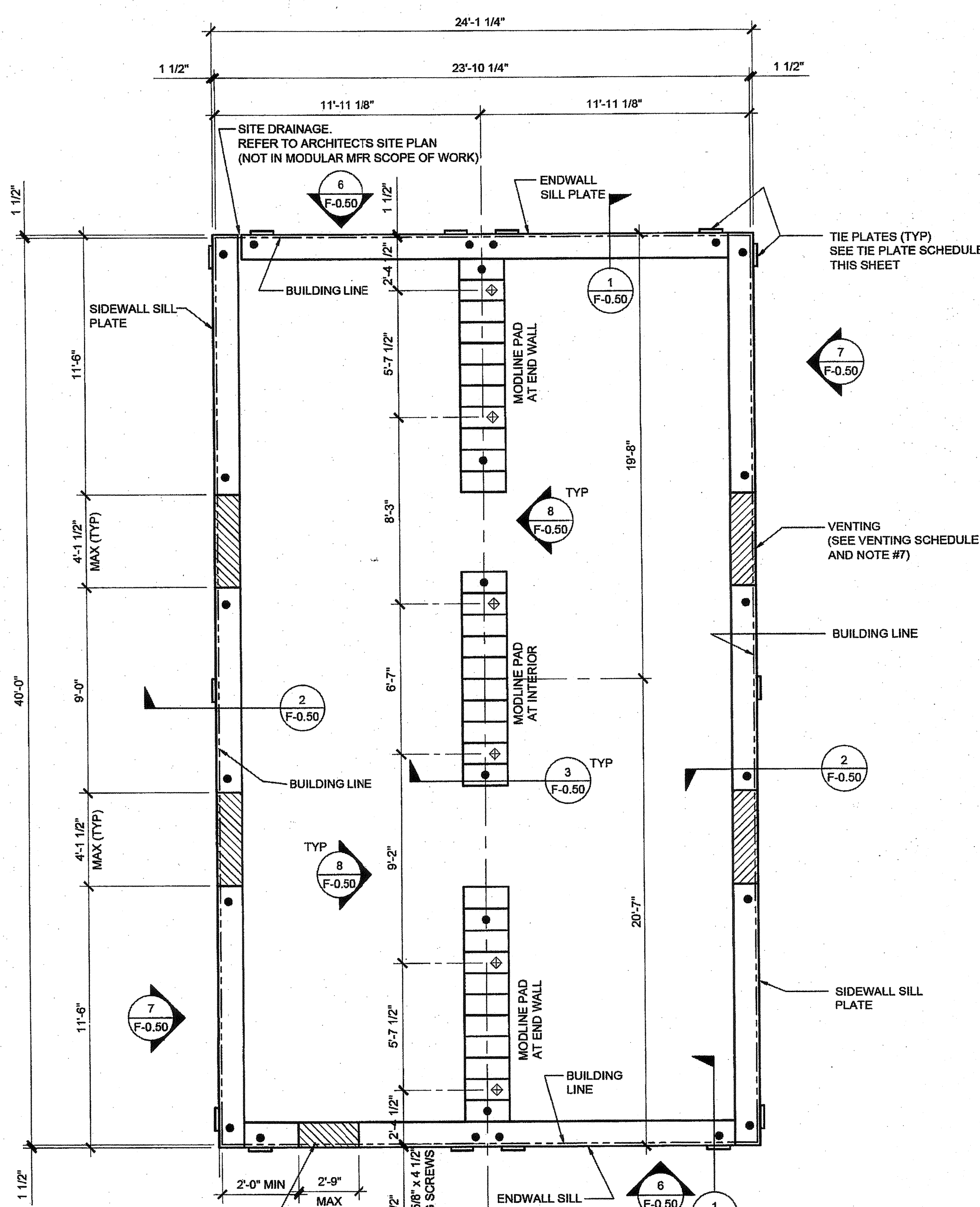
SYMBOLS LEGEND	
	LAG SCREWS
	SILL RESTRAINTS (SEE NOTE #5)

## ONE BUILDING



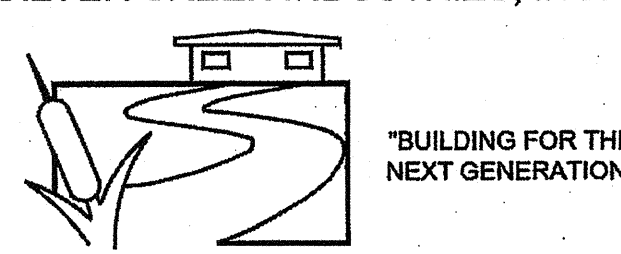
SYMBOLS LEGEND	
	LAG SCREWS
	SILL RESTRAINTS (SEE NOTE #5)

**SEPARATE BUILDINGS**



SYMBOLS LEGEND
◆ LAG SCREWS
● SILL RESTRAINTS (SEE NOTE #5)

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# SILVER CREEK

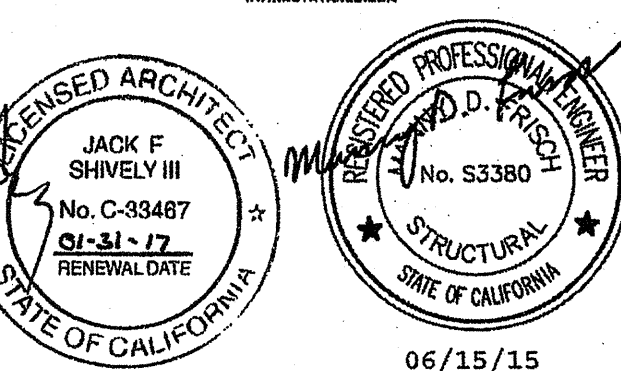
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

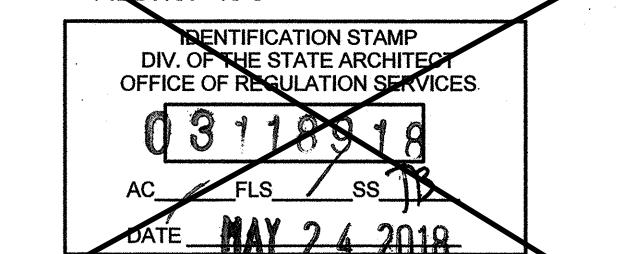
24x40 STOCKPILE  
OFFICE BUILDING

PROJECT TITLE:

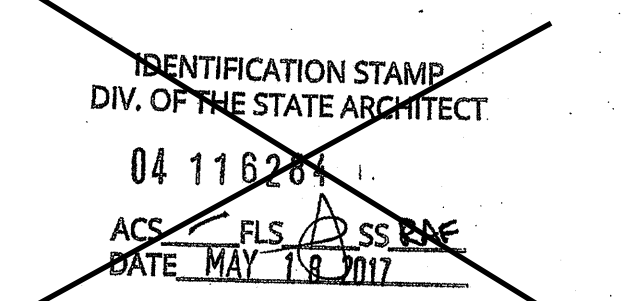
**WOOD  
FOUNDATION PLAN  
24x40  
(100 PSF)**



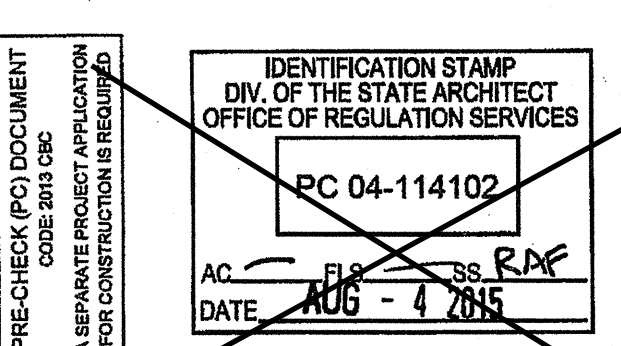
AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6



**PROJECT SPECIFIC STATE AGENCY APPROVAL**



ORIGINAL PC STATE AGENCY APPROVAL



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**SILVER CREEK INDUSTRIES**

24' x 40' PC - 2:12 PITCH

PROJECT NO: \_\_\_\_\_

OWN BY:

LE: AS NOTED

E: 01-30-15

P.C. SHEET NUMBER	
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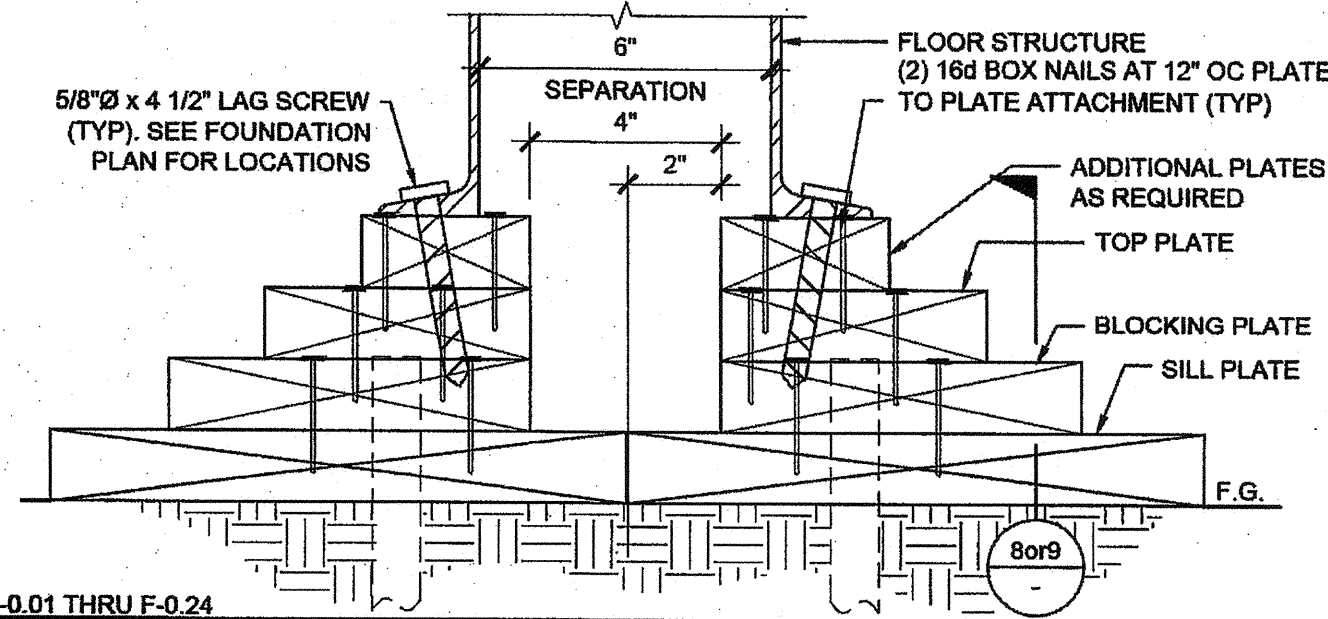
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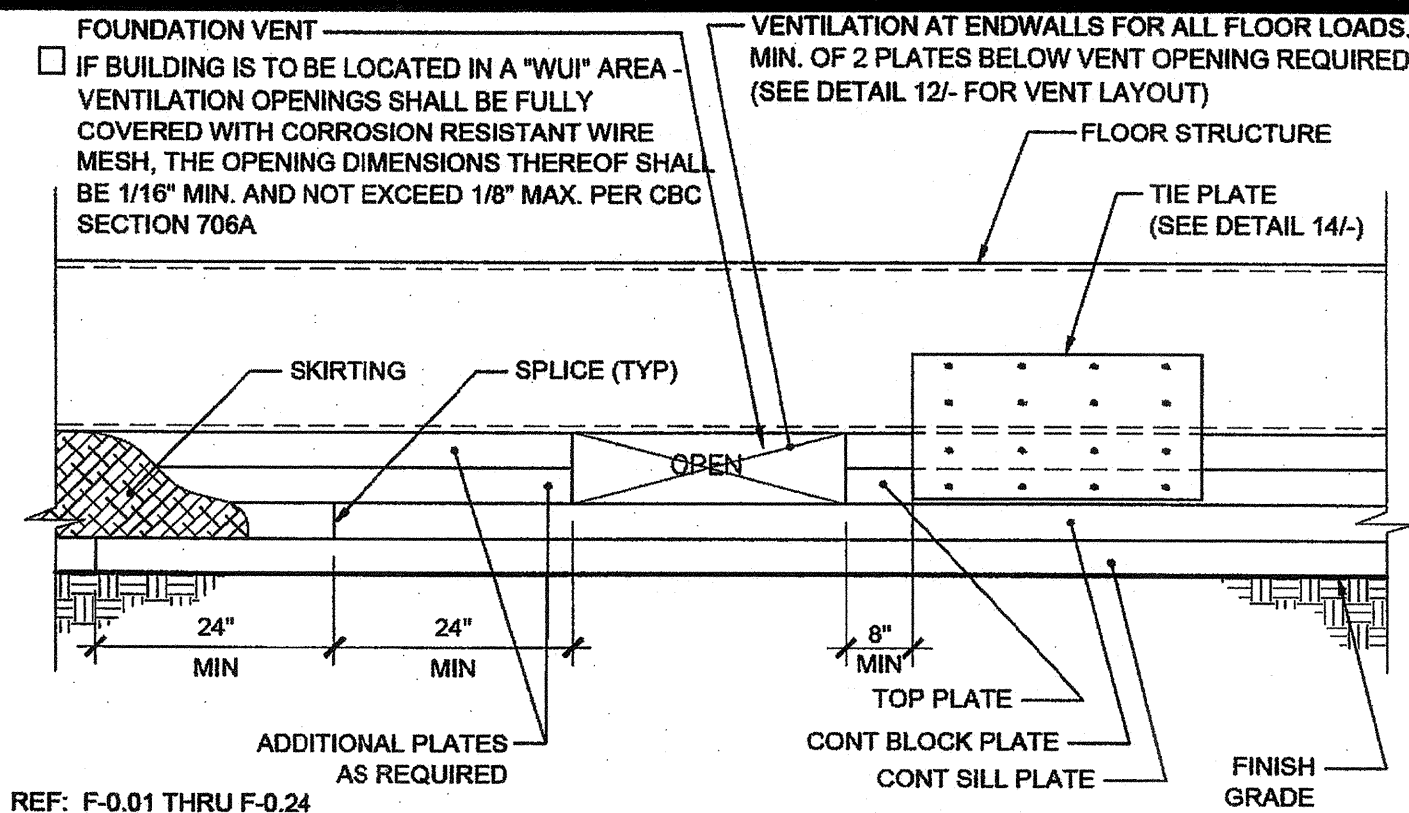
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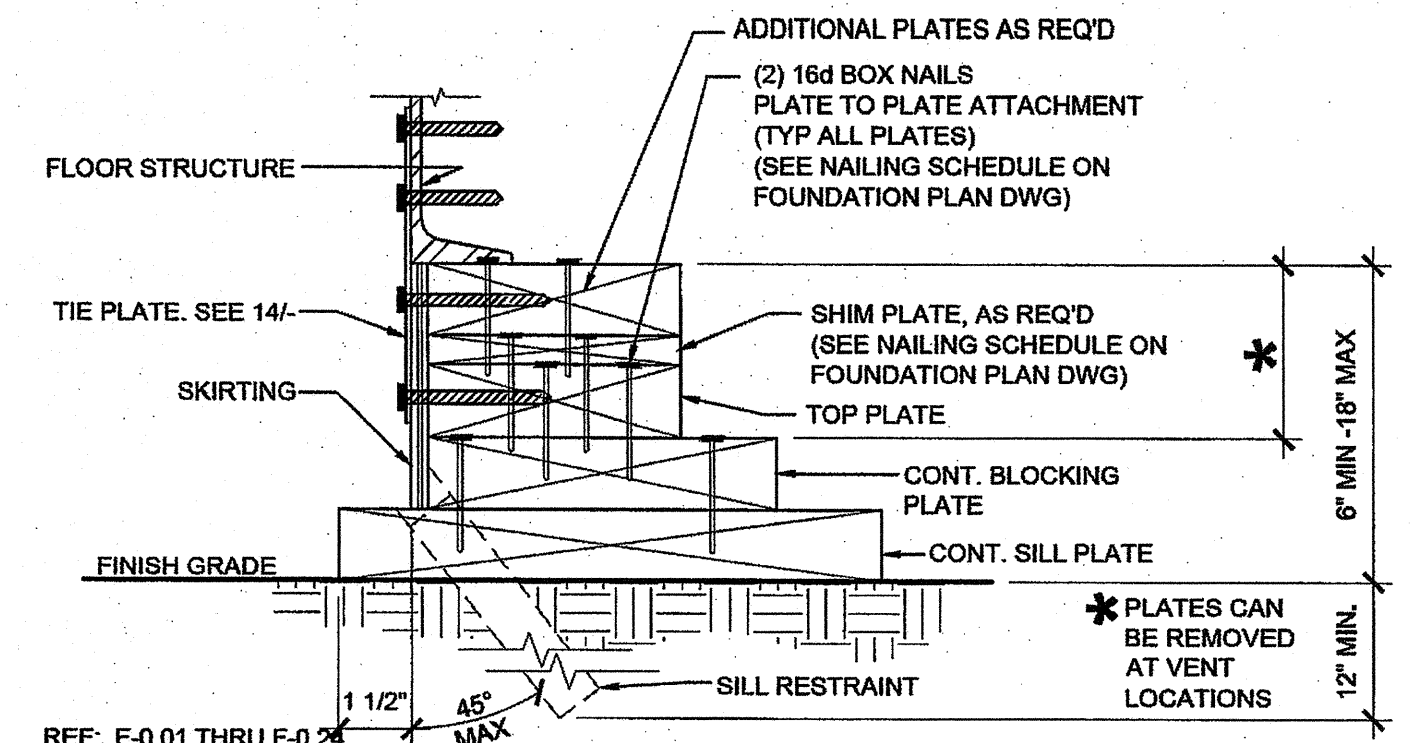




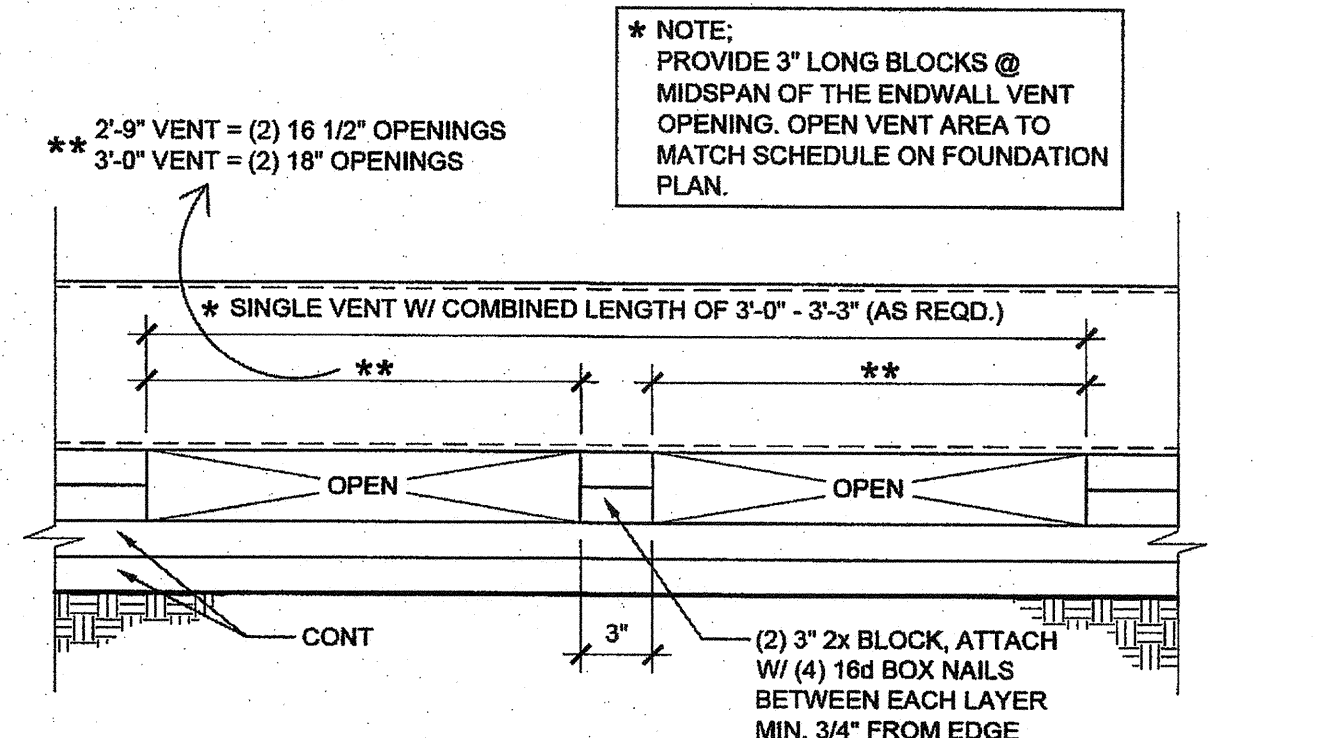
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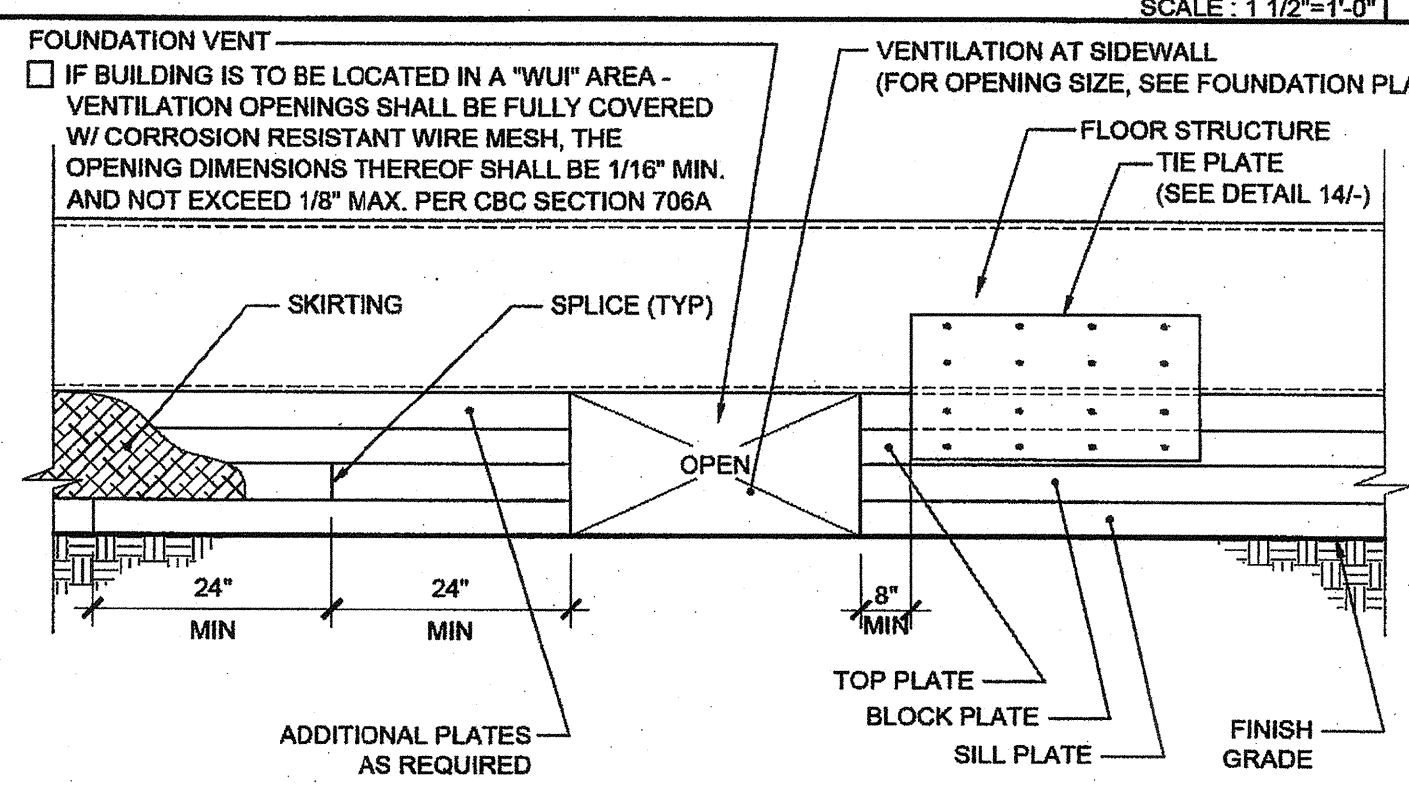
11 FOUNDATION ASSEMBLY END WALL ELEVATION SCALE: 1 1/2"=1'-0"



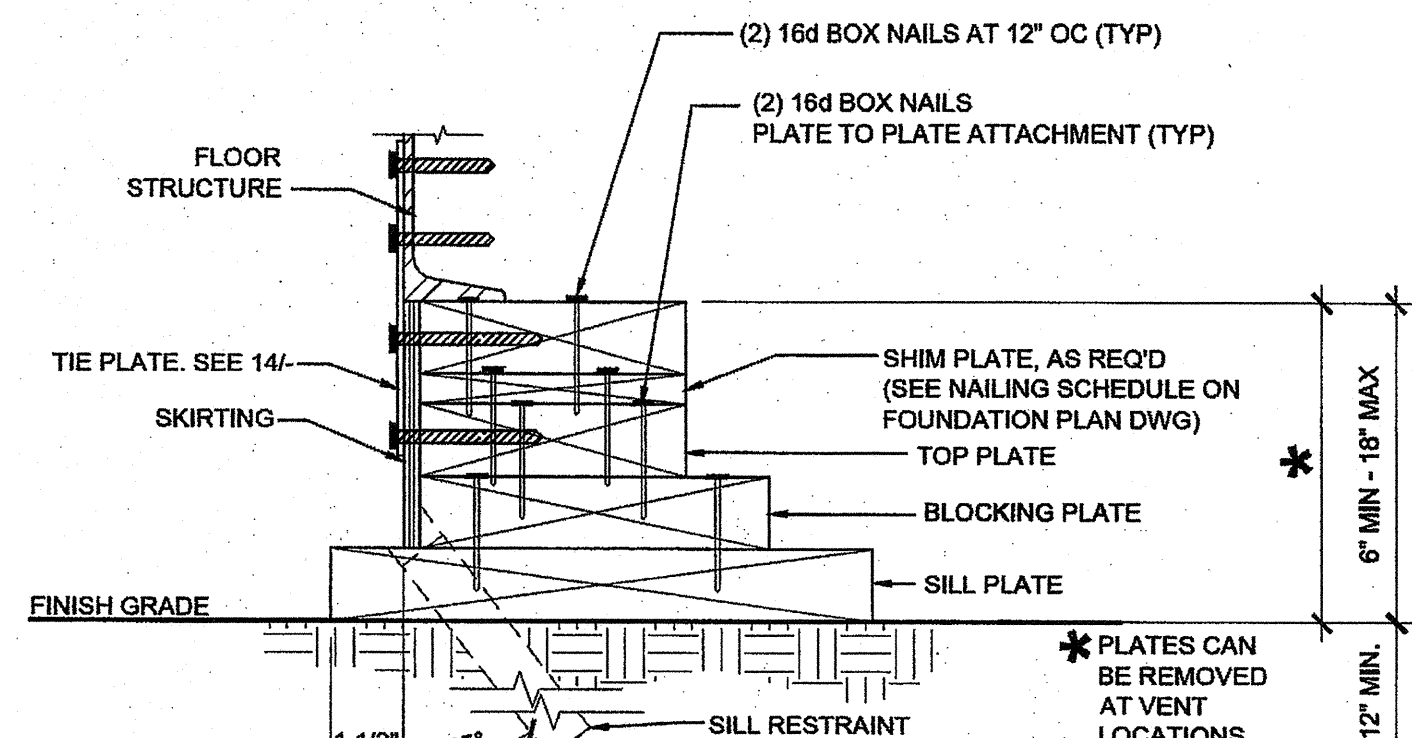
6 FOUNDATION AT END WALL SCALE: 3"=1'-0"



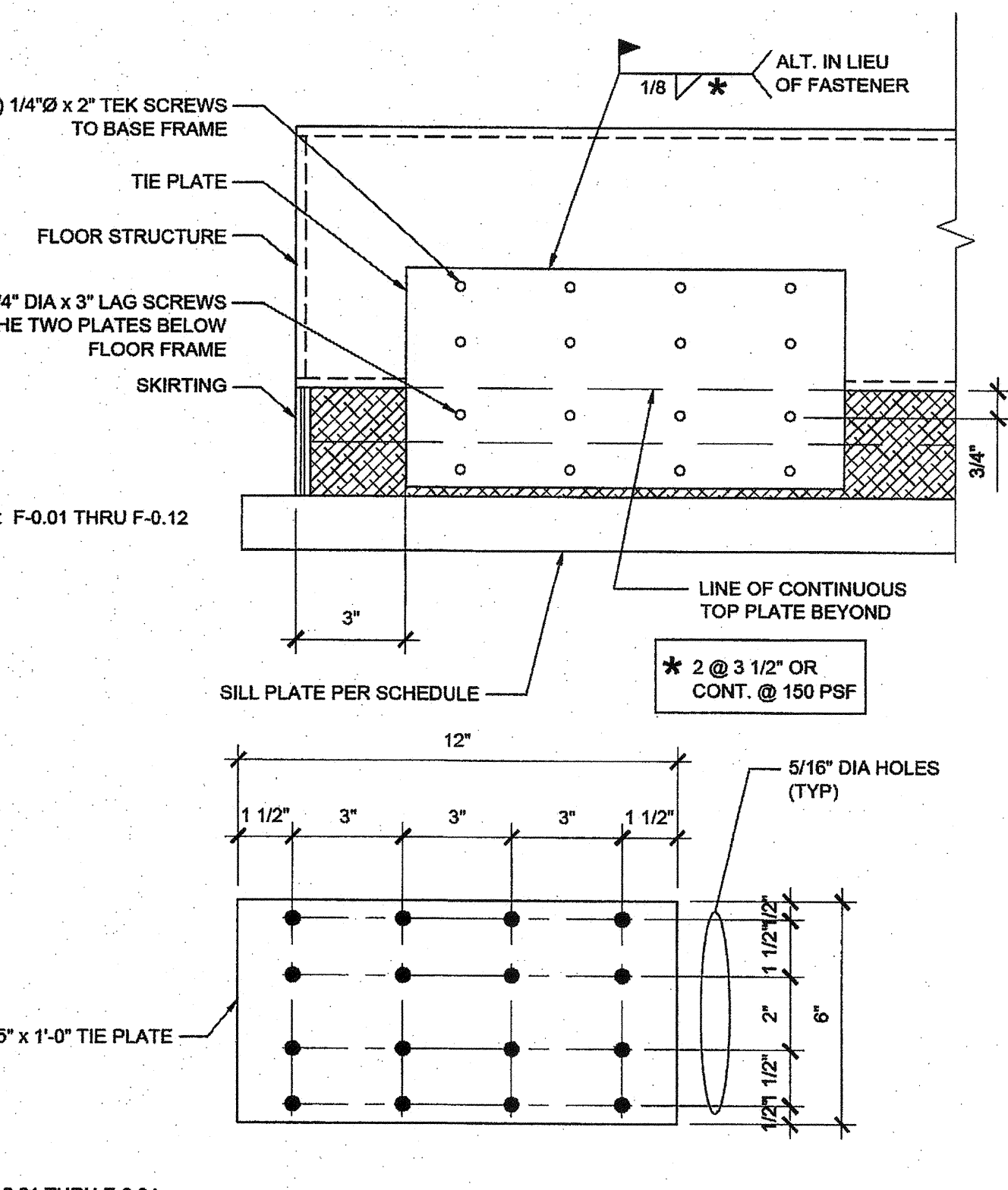
17 END WALL VENT SCALE: 1 1/2"=1'-0"



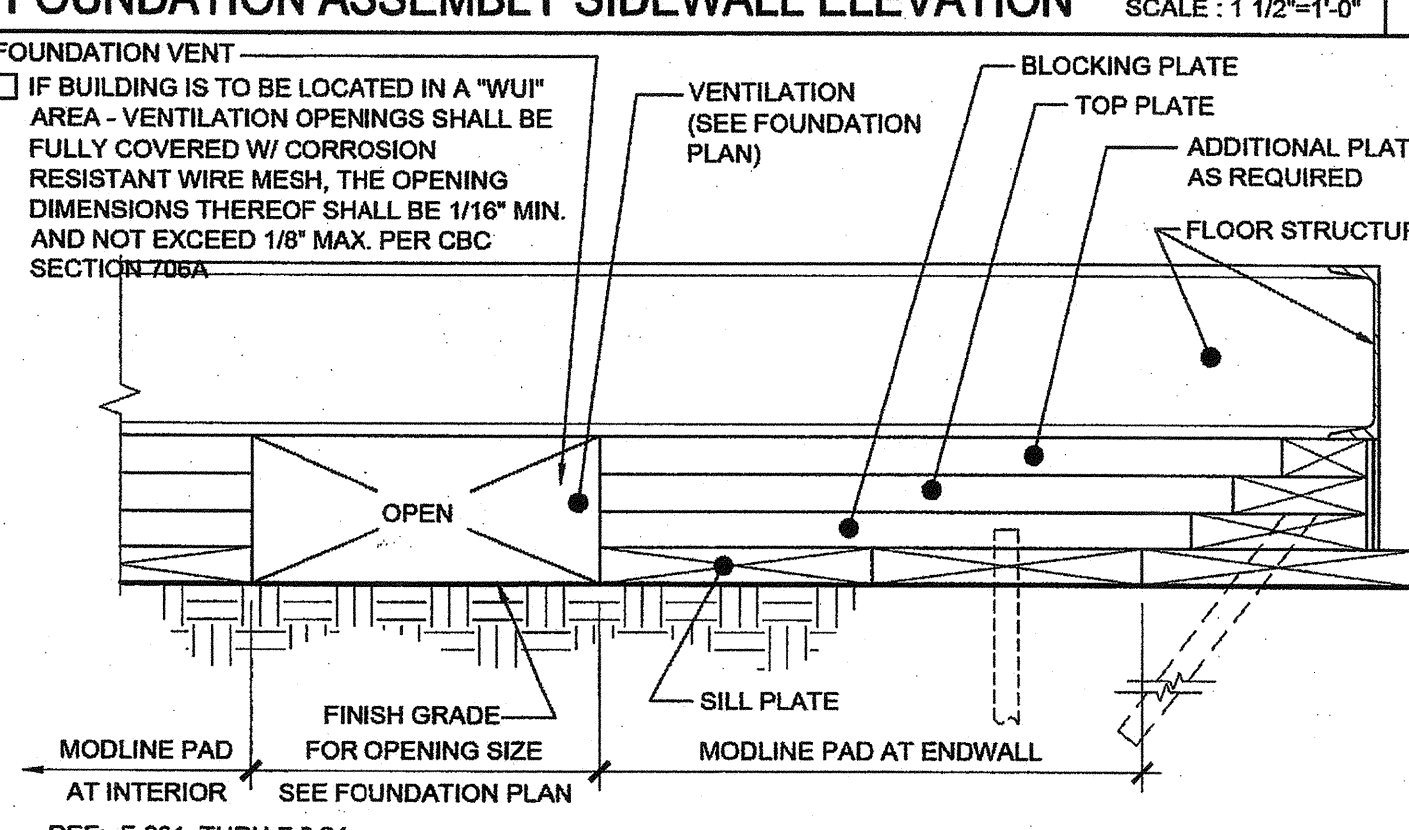
12 FOUNDATION ASSEMBLY SIDEWALL ELEVATION SCALE: 1 1/2"=1'-0"



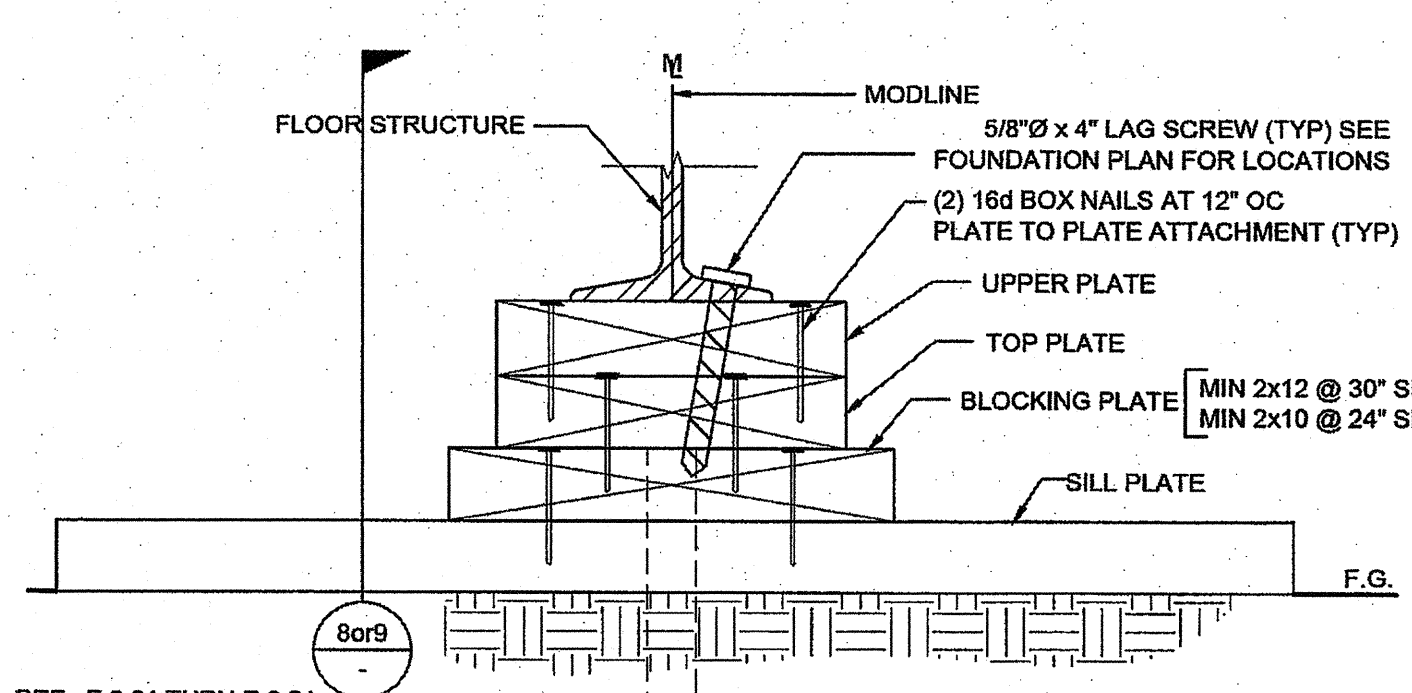
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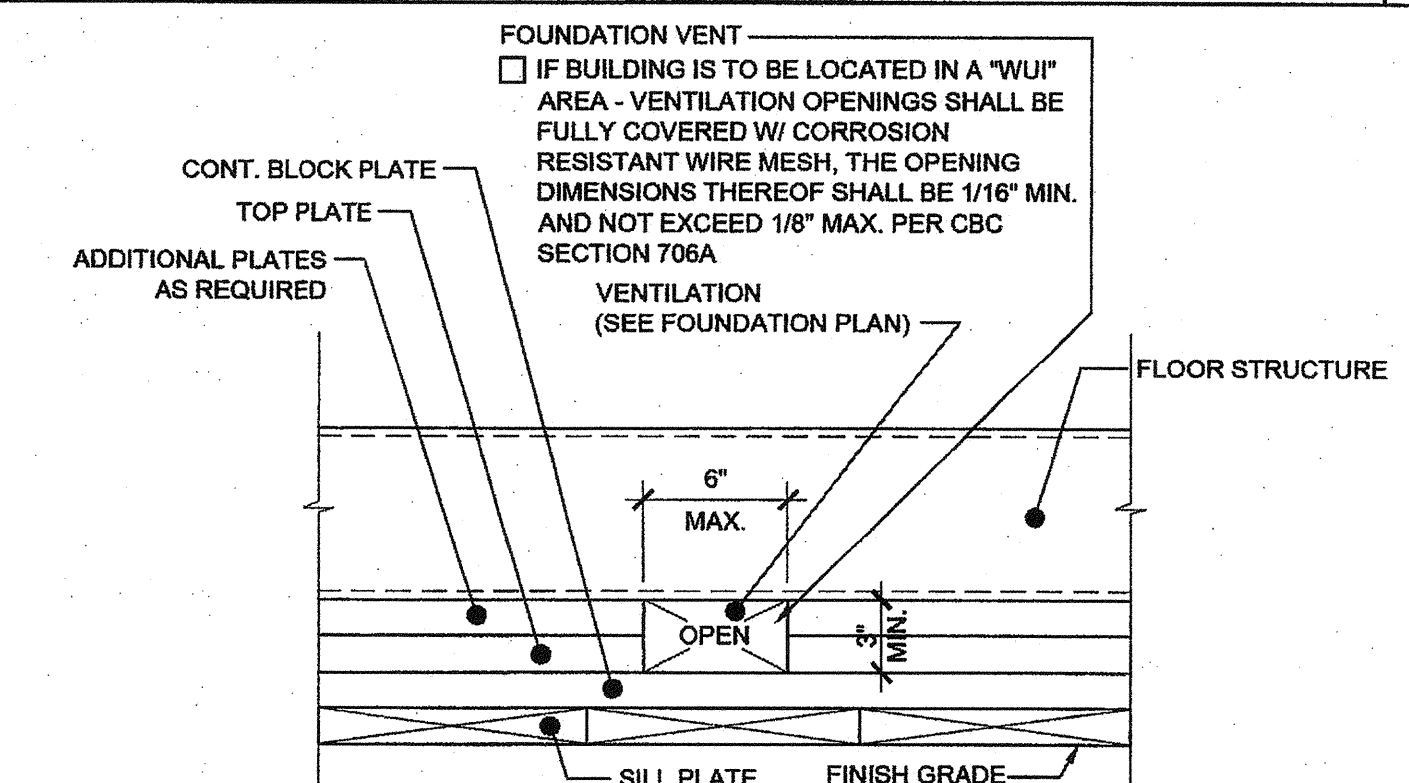
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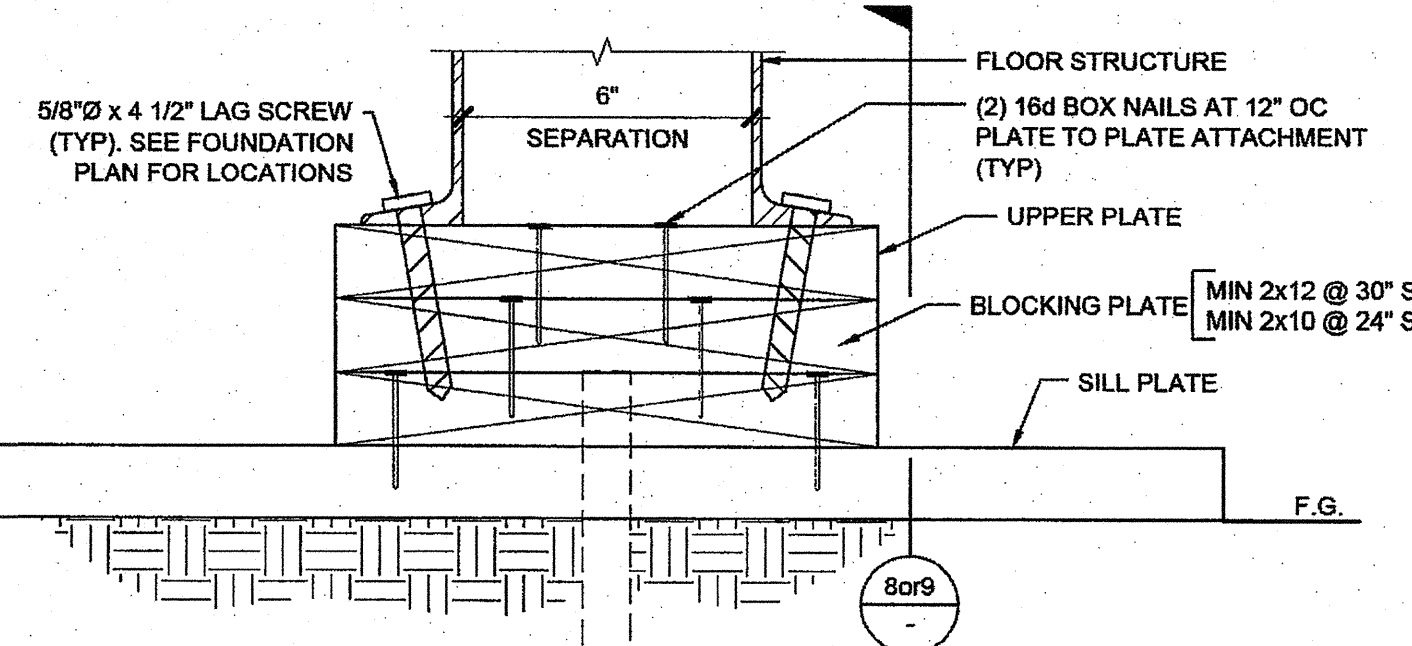
14 VENT ELEV. AT MODLINE & SEP FOR 150 PSF SCALE: 3"=1'-0"



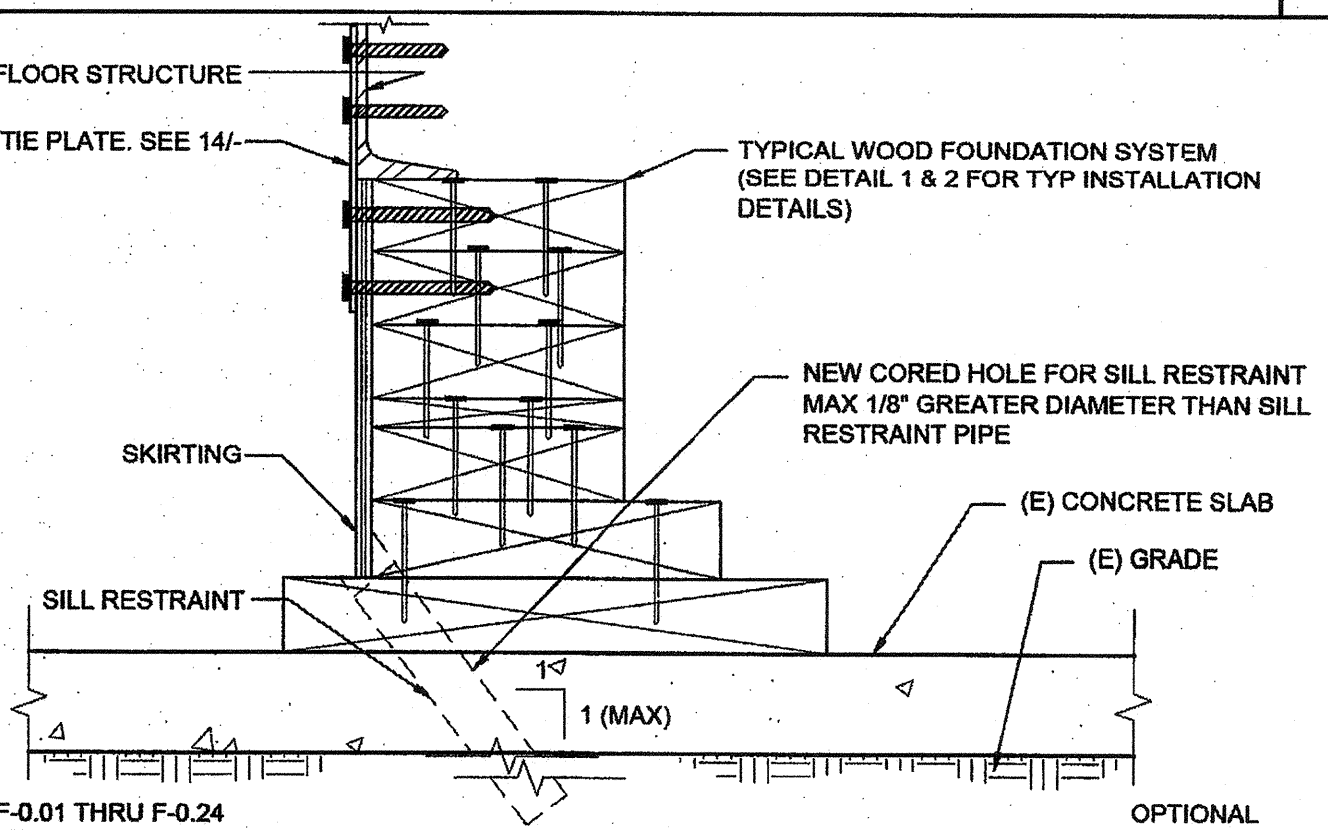
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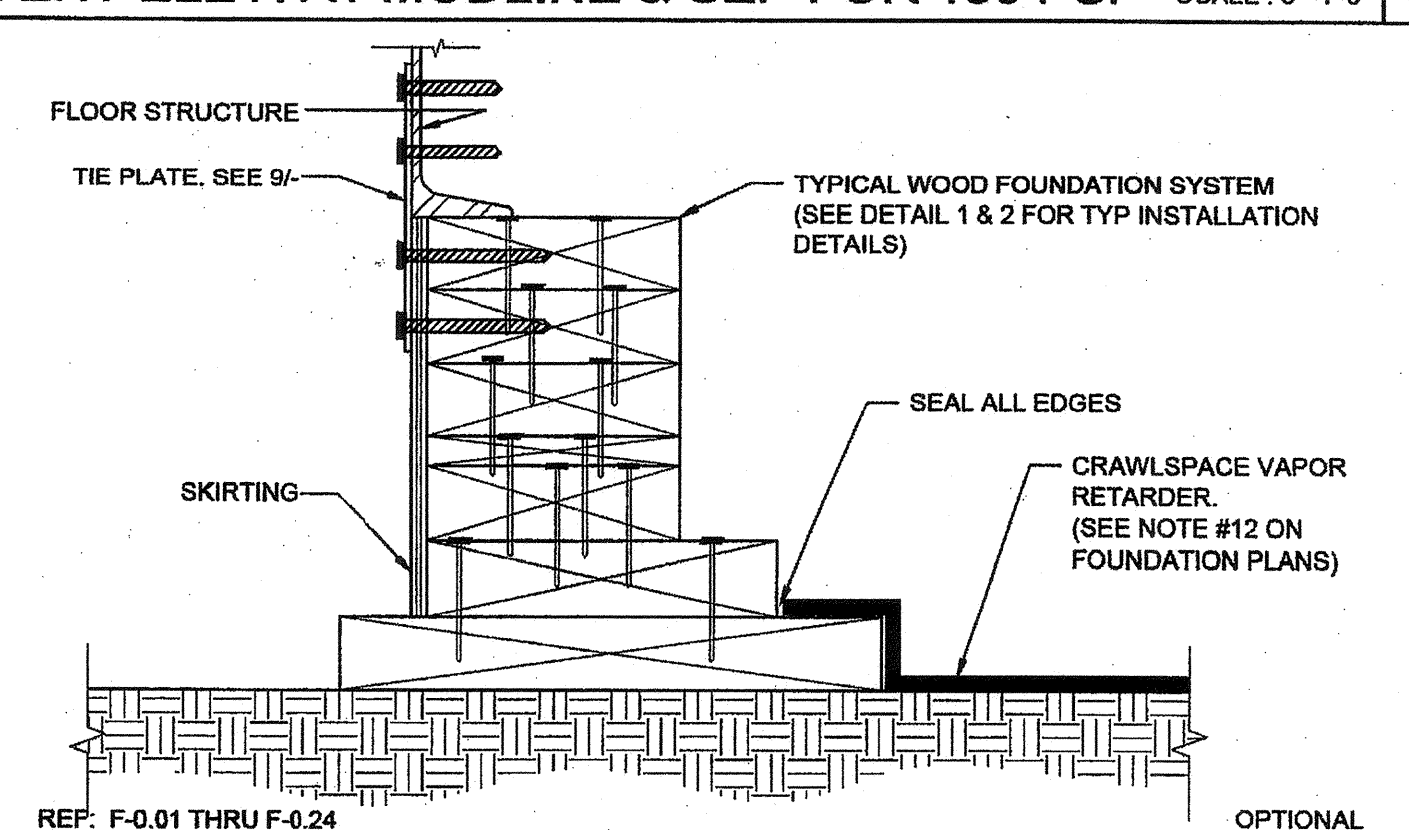
15 CRAWLSPACE VAPOR RETARDER SCALE: 3"=1'-0"



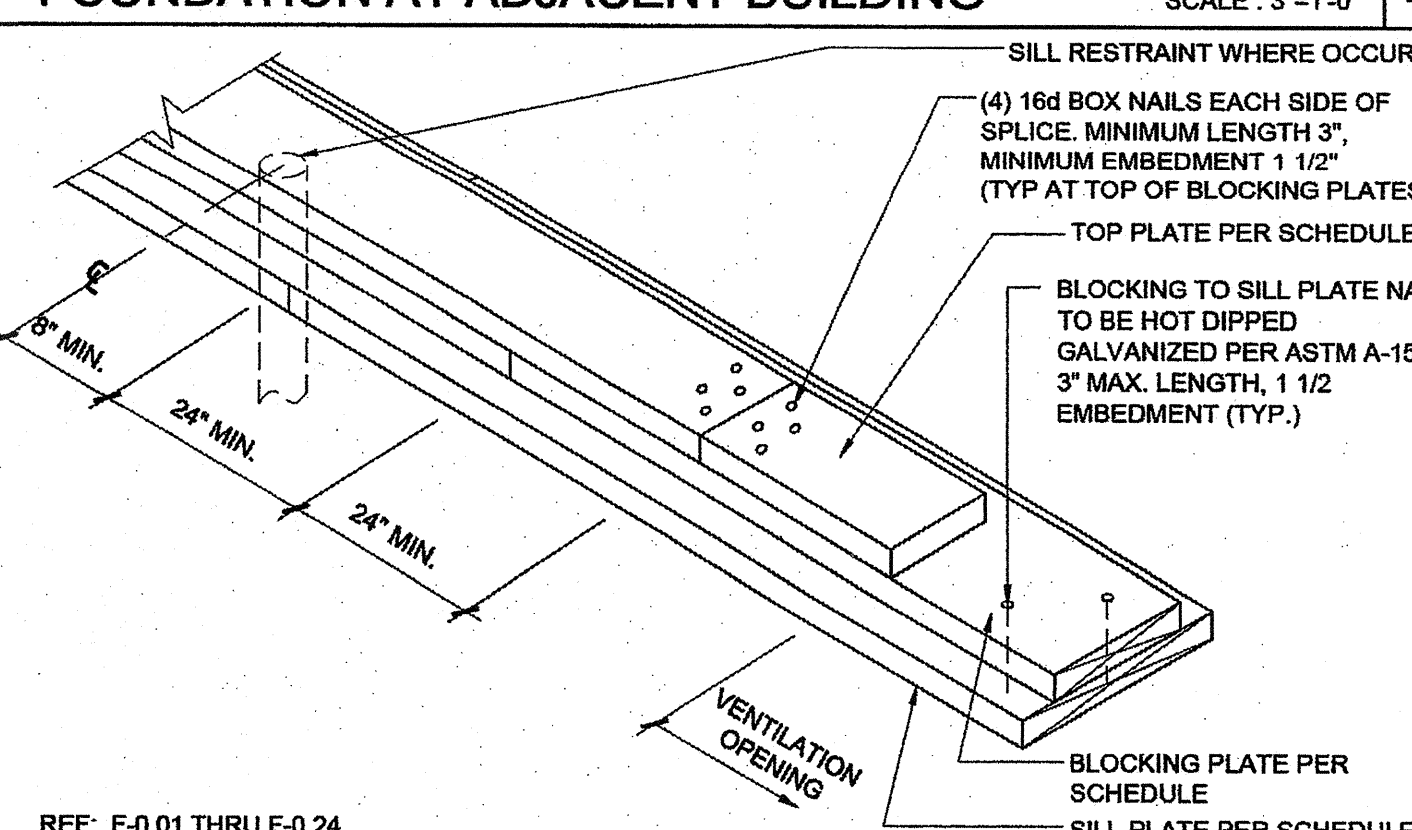
4 FOUNDATION AT ADJACENT BUILDING SCALE: 3"=1'-0"



20 FOUNDATION ANCHORAGE AT CONCRETE PAD SCALE: 3"=1'-0"



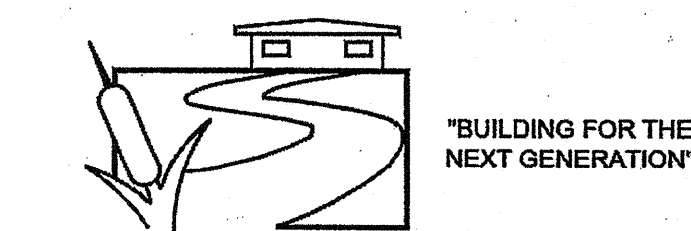
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5 FOUNDATION SPLICE SCALE: NTS

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DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



SILVER CREEK

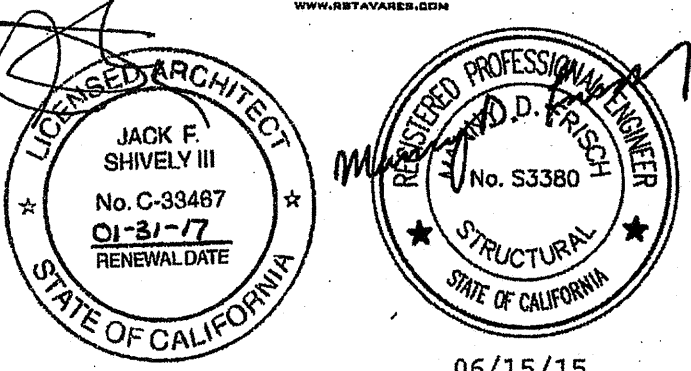
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

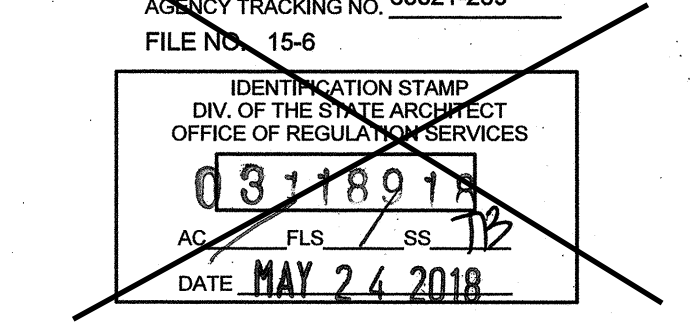
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

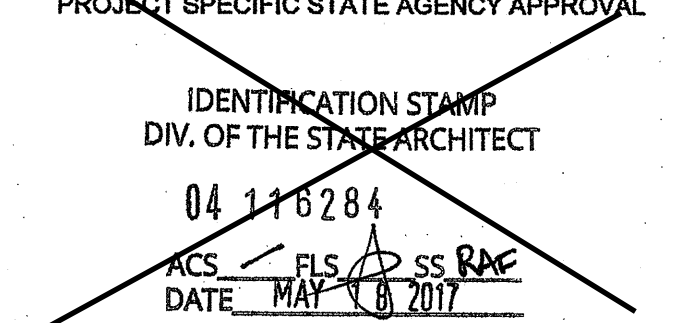
FOUNDATION  
DETAILS  
WOOD



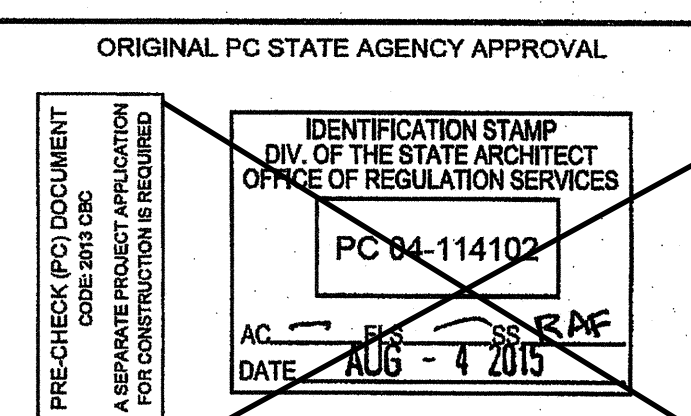
AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

P.C. SHEET NUMBER

F-0.50



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

1. ALL ROUGH LUMBER SHALL BE DRY #2 OR BETTER.
2. WOOD FASTENERS OTHER THAN SCREWS.  
ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1063 OR RAMSEY POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC# ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

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

NOTES: COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.

1. COMMON (6d - 2" x 0.113"; 8d - 2 1/2" x 0.113"; 10d - 3" x 0.148")

2. NAILS SPACED AT 6" ON CENTER AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING.

3. COMMON OR DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.113"; 10d - 3" x 0.148")

4. COMMON (6d - 2" x 0.113"; 8d - 2 1/2" x 0.113"; 10d - 3" x 0.148")

5. DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.113"; 10d - 3" x 0.148")

6. CORROSION-RESISTANT SIDING (6d - 1 7/8" x 0.108"; 8d - 2 3/8" x 0.128") OR CASING (6d - 2" x 0.099"; 8d - 2 1/2" x 0.113") NAIL.

7. FASTENERS SPACED 3" ON CENTER AT EXTERIOR EDGES AND 6" ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6" ON CENTER ON THE EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS.

8. CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING.

9. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING. PANEL STAPLES AT 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF PANEL) UNLESS OTHERWISE MARKED). STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2).

10. CASING (1 1/2" x 0.80") OR FINISH (1 1/2" x 0.072") NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.

11. PANEL STAPLES AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.

12. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.

13. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16". STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2.4).

14. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS.

15. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3" ON CENTER AT EDGES, 6" AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.

16. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT


APP: 03-124455 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 03/26/2025

## SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE  
NEXT GENERATION"

# SILVER CREEK


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

JECT NAME:

## 24x40 STOCKPILE OFFICE BUILDING

ET TITLE:


# STRUCTURAL SPECIFICATIONS




**STAVARES  
ASSOCIATES**

REGISTERED PROFESSIONAL ARCHITECT  
14075 W. BERNARDINO RD., SUITE 200  
SAN Geronimo, CA 91769

WWW.STAVARES.COM





RS# 14217

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

**03118918**

AC FLS SS FLS

DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

**04110284**

ACS FLS SS FLS

DATE MAY 28 2017

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE 2013 SSC  
A SEPARATE PROJECT APPLICATION IS REQUIRED  
FOR CONSTRUCTION & REPAIRS

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

**PC 04-114102**

AC FLS SS FLS

DATE AUG - 4 2015

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2-12 PITCH

JECT NO:

OWN BY:

LE: AS NOTED

TE: 01-30-15

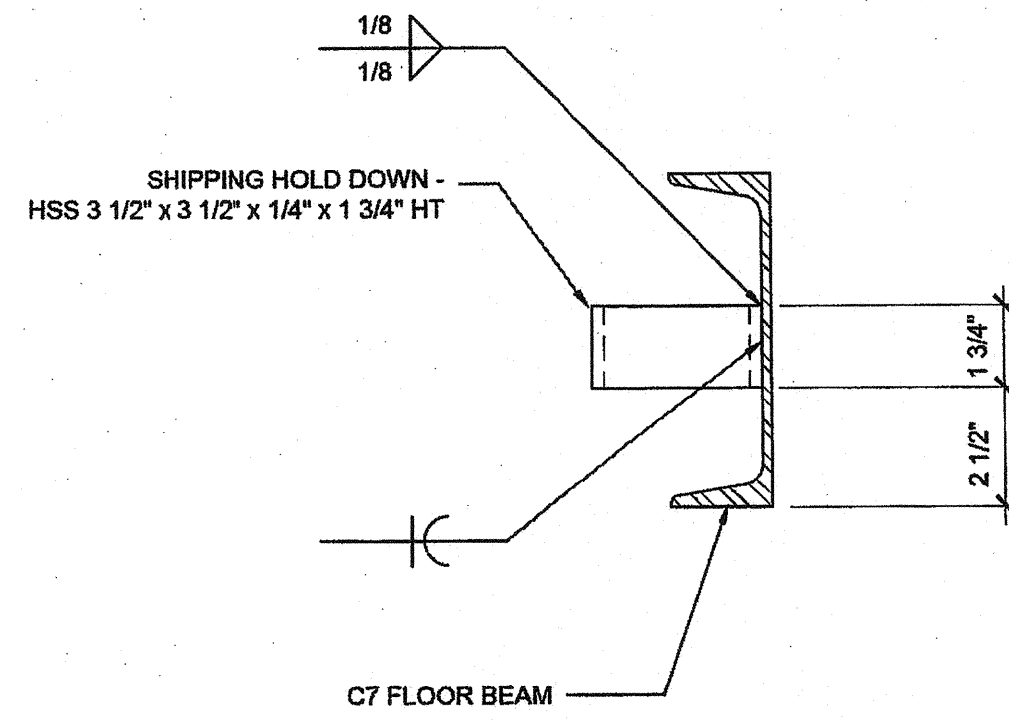
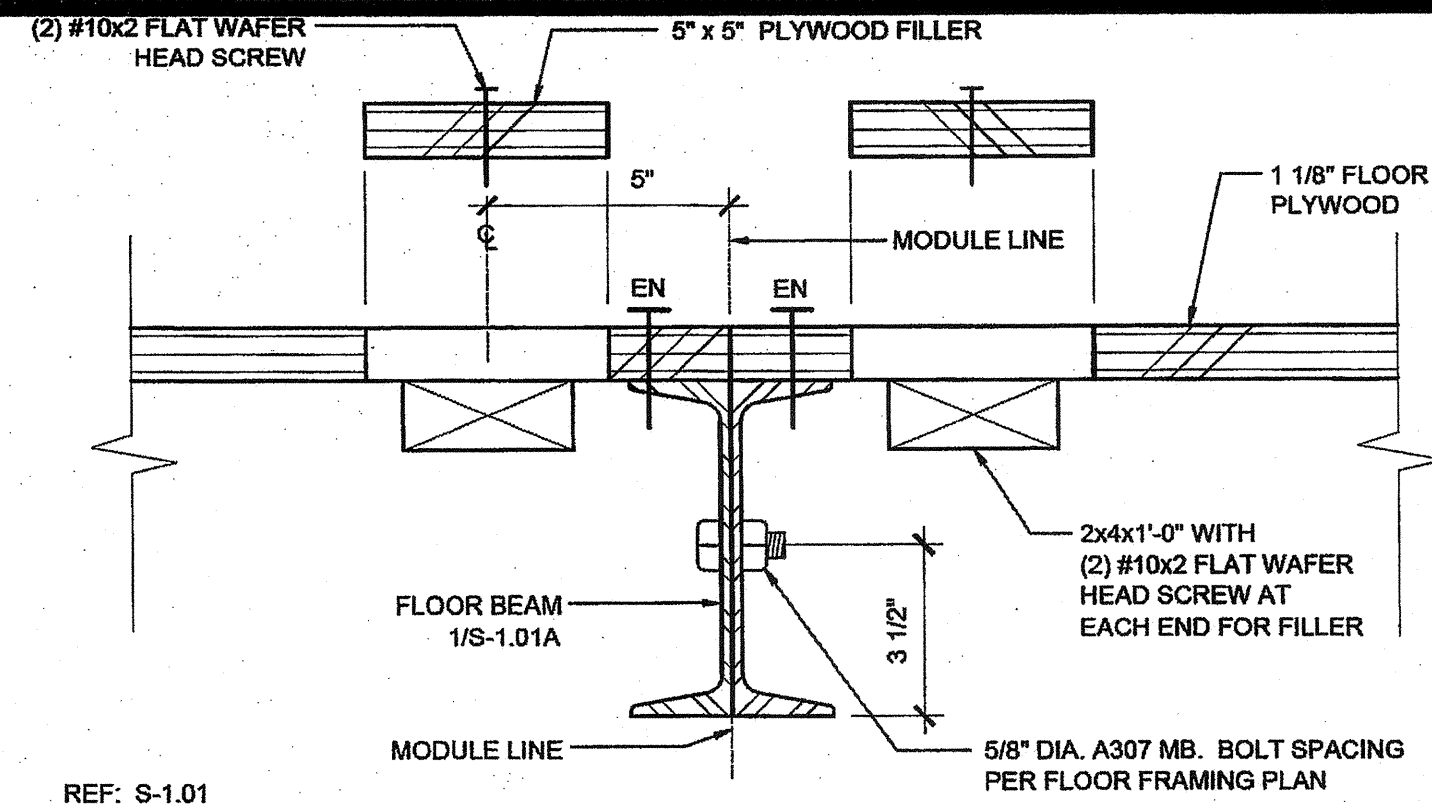
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# S-0.1



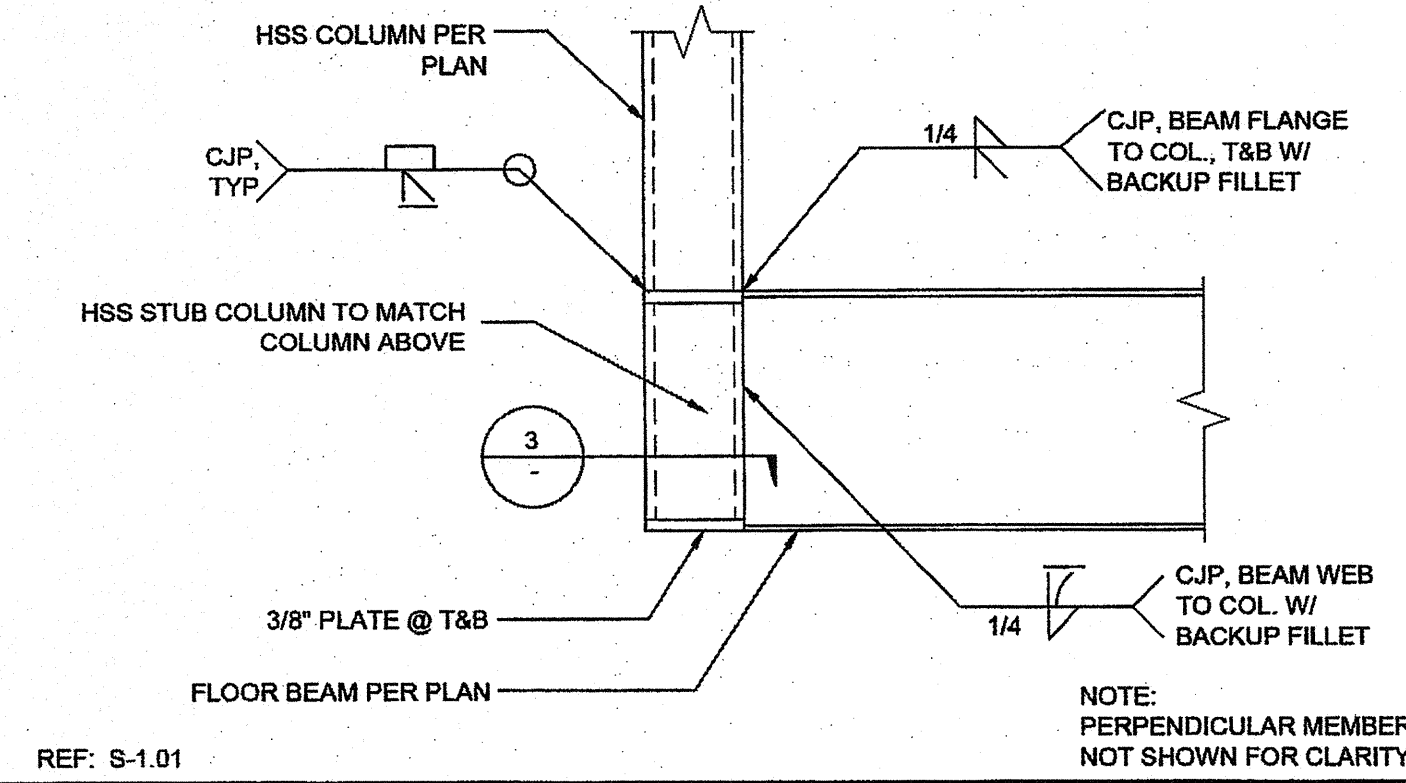
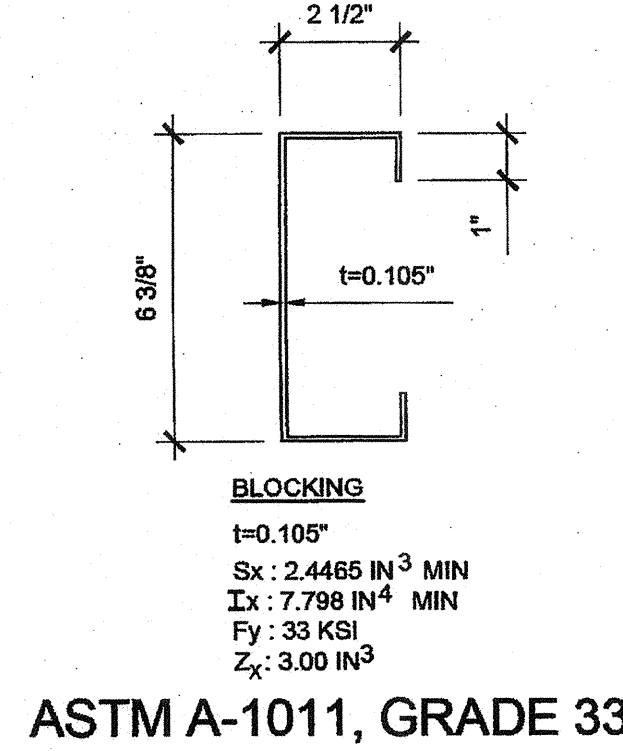
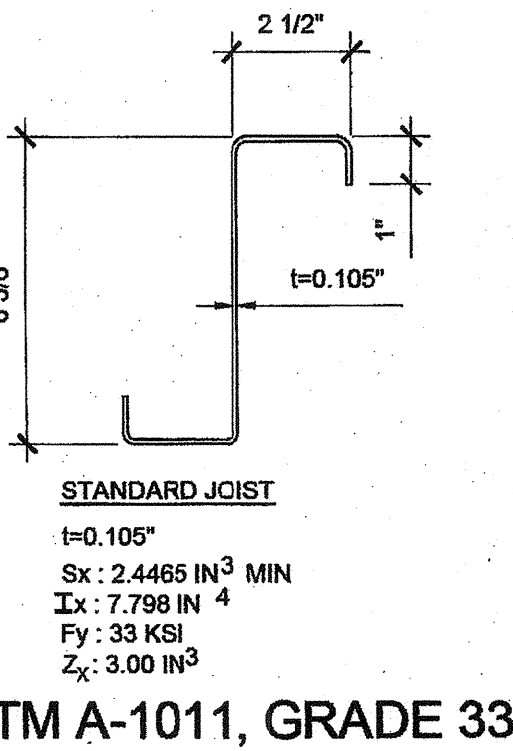
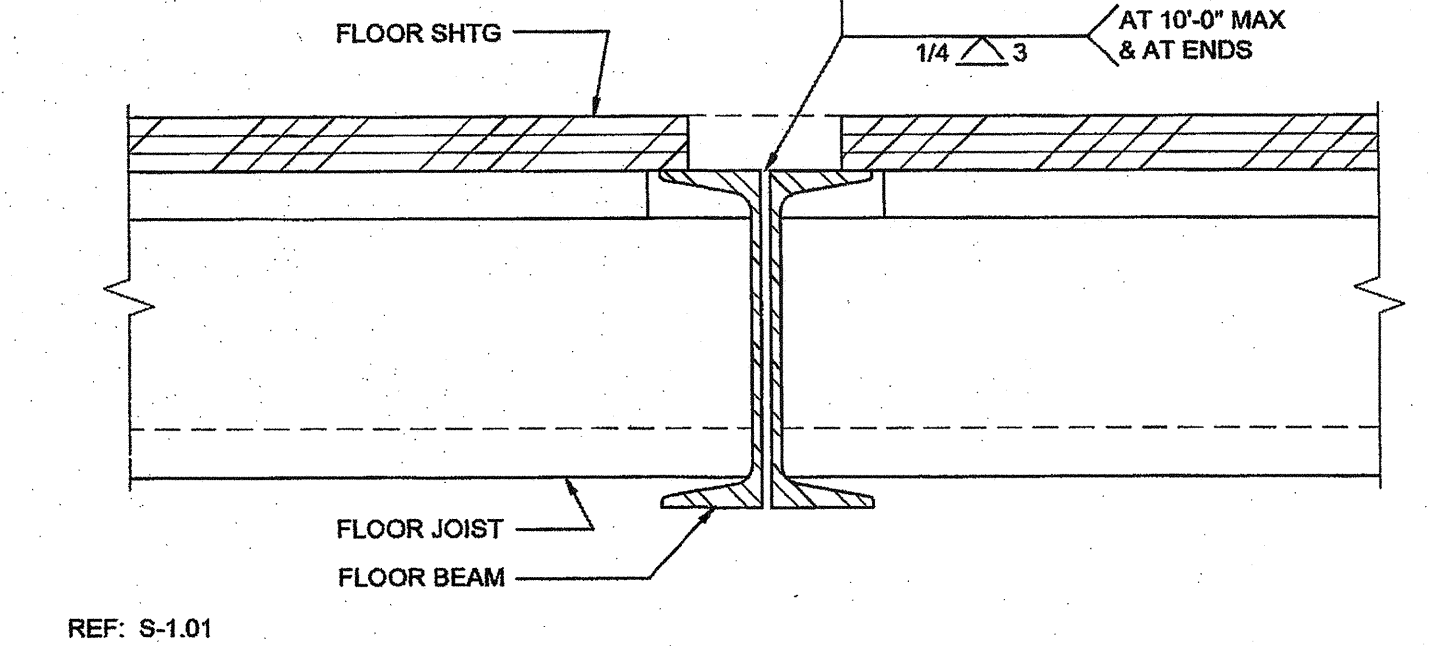






16 MODULE LINE - BOLTED CONNECTION SCALE: 3" = 1'-0"

11 SHIPPING HOLD DOWN DETAIL SCALE: 3" = 1'-0"

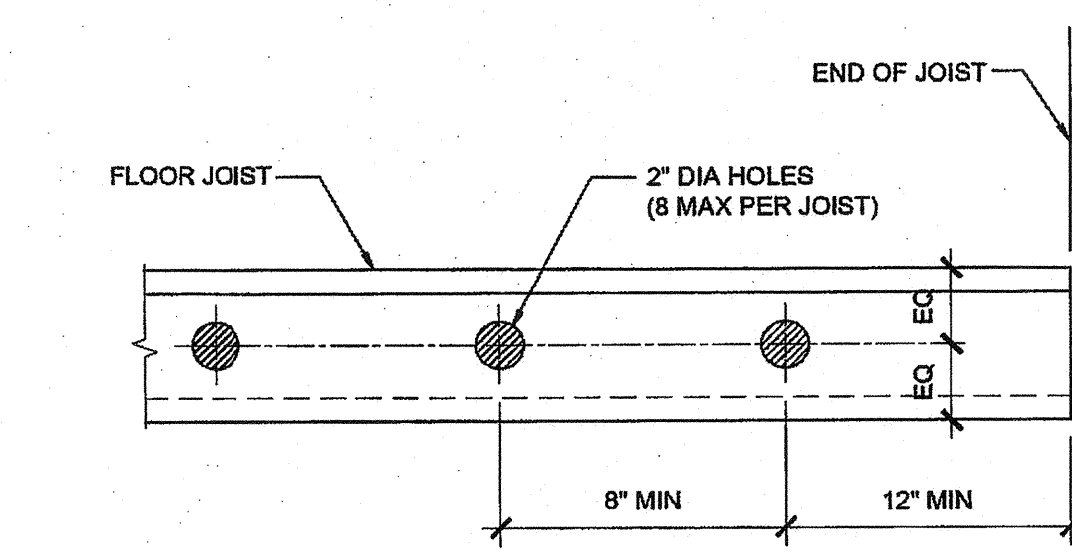
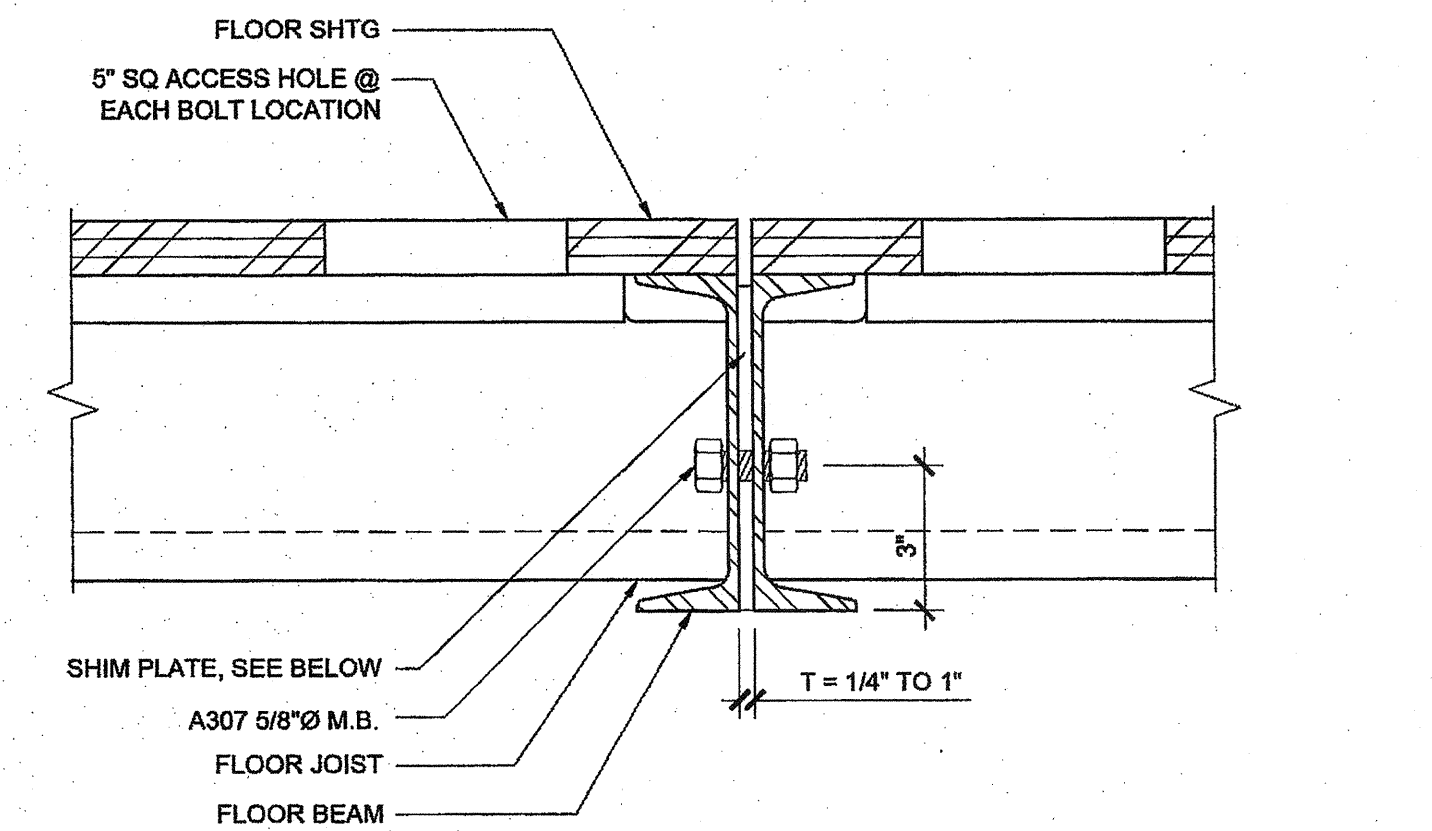


17 MODULE LINE CONNECTION (OPTION 1) SCALE: 3" = 1'-0"

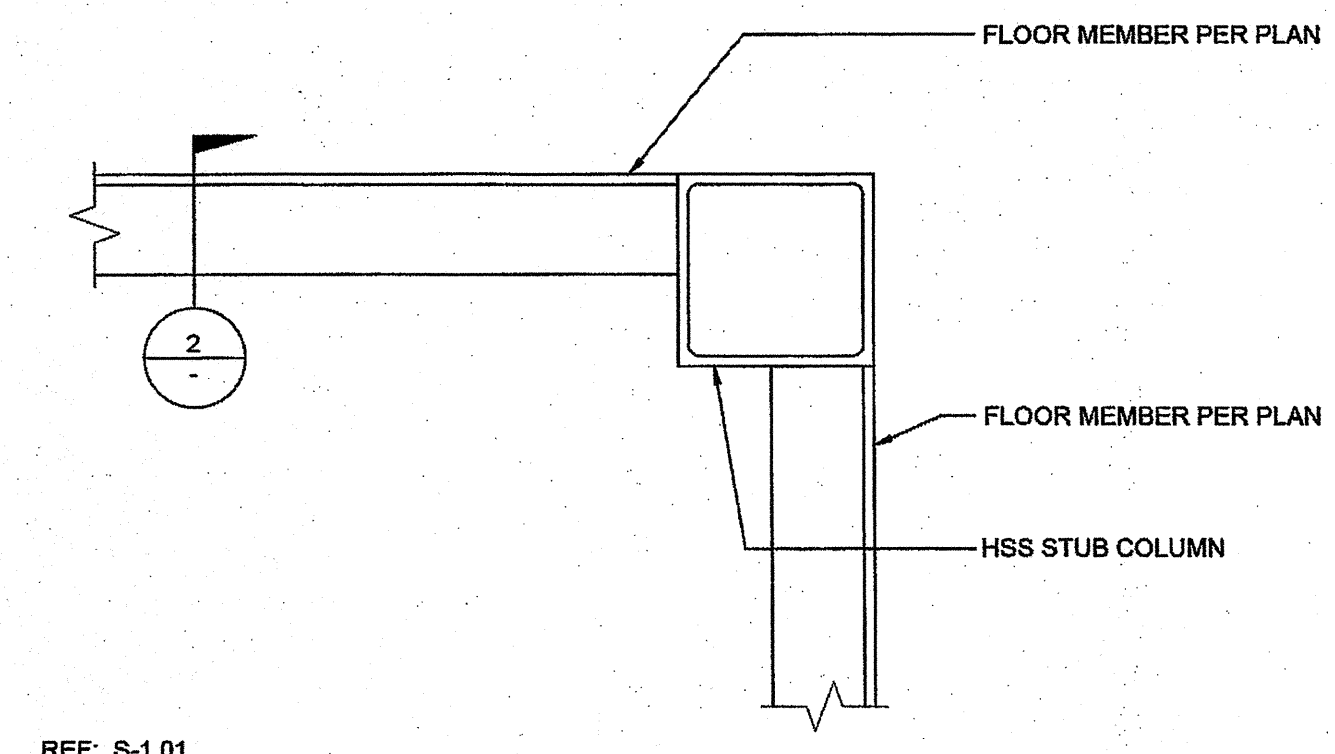
12 FLOOR JOIST SCALE: 3" = 1'-0"

7B BLOCKING SCALE: 3" = 1'-0"

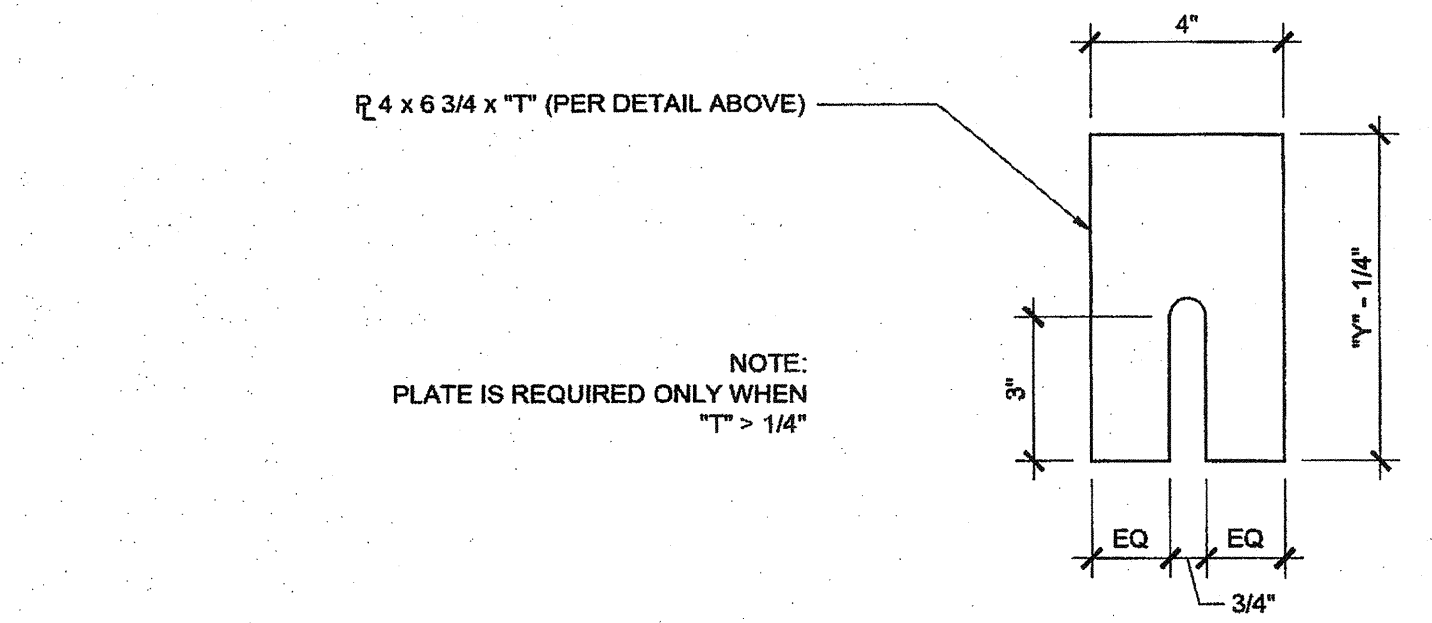
7A FLOOR BEAM TO COLUMN CONNECTION SCALE: 1 1/2" = 1'-0"



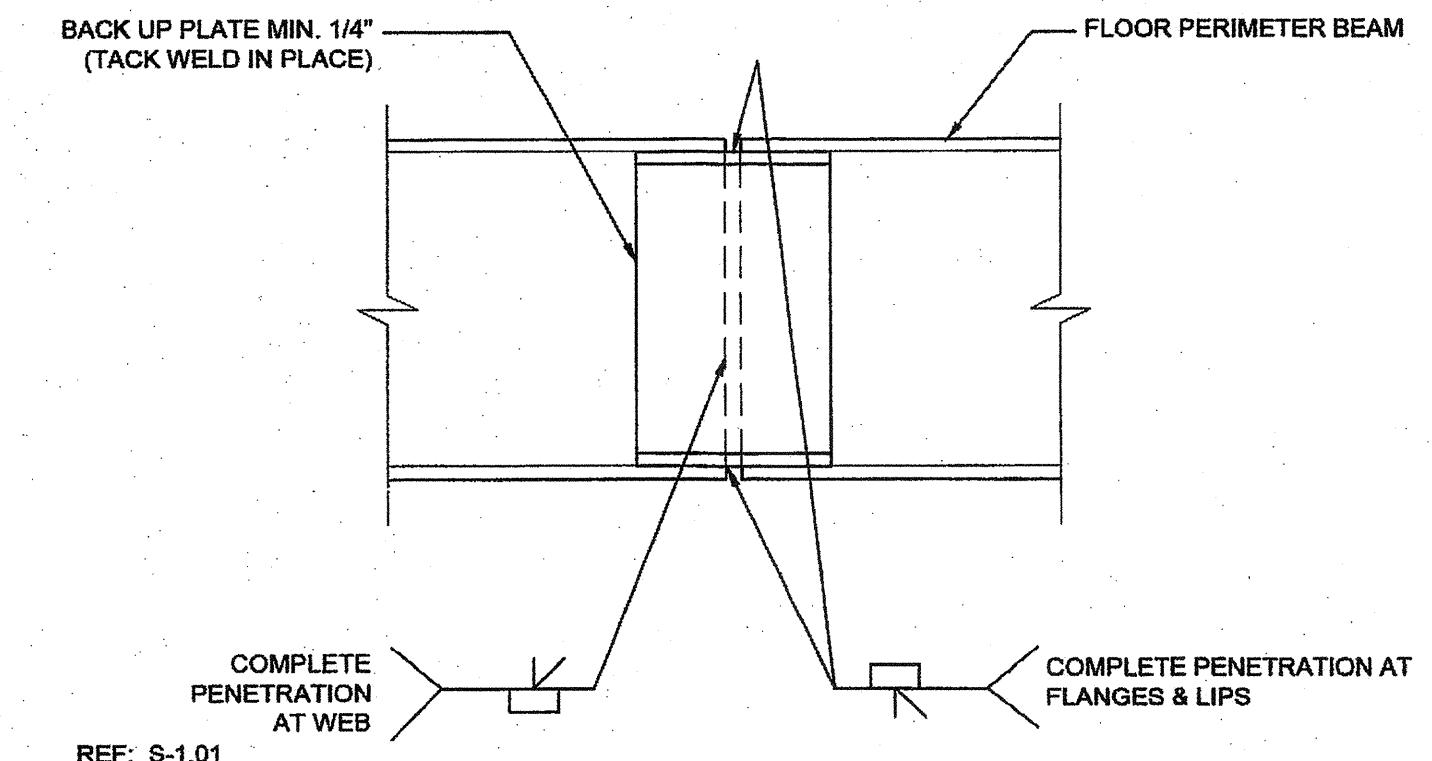
FLOOR JOIST HOLES (OPTIONAL) SCALE: 1/8" = 1'-0"



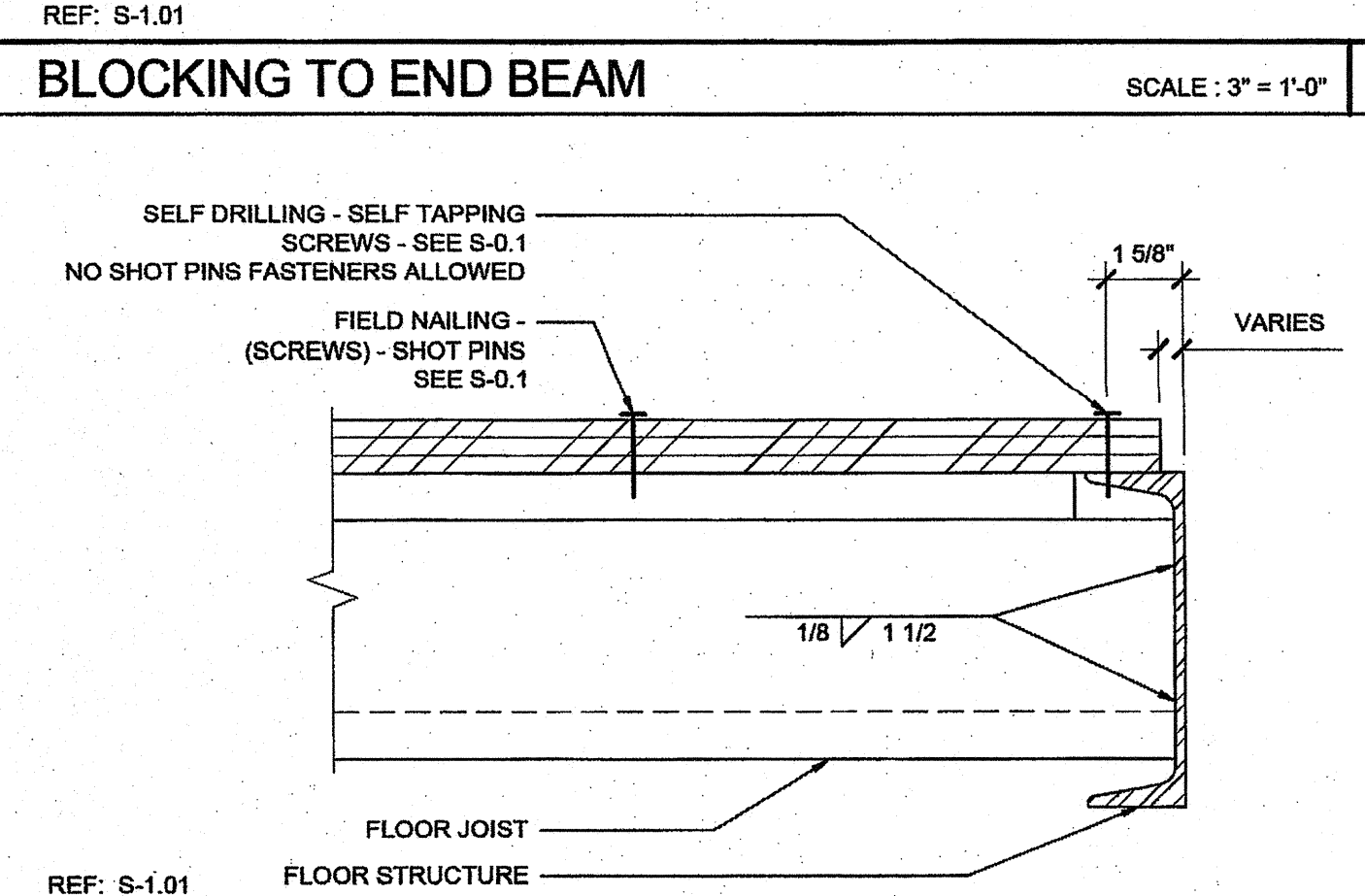
CORNER CONNECTION SCALE: 3" = 1'-0"



19 MODULE LINE CONNECTION (OPTION 2) SCALE: 3" = 1'-0"

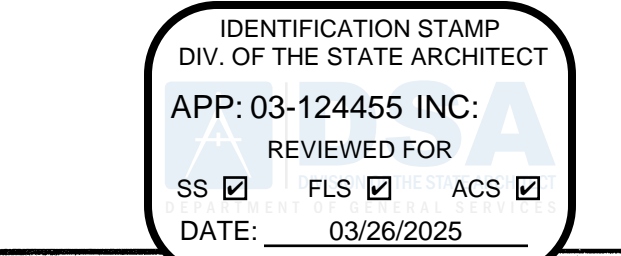


20 FLOOR BEAM SPLICE SCALE: 3" = 1'-0"

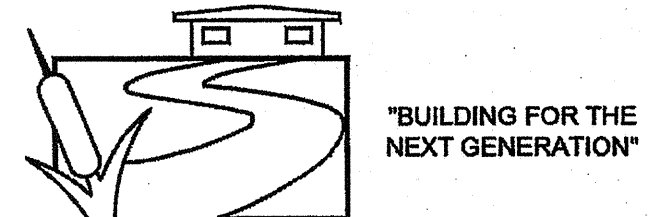


BLOCKING TO END BEAM SCALE: 3" = 1'-0"

10 JOIST TO SIDE BEAM SCALE: 3" = 1'-0"



SILVER CREEK INDUSTRIES, INC.



SILVER CREEK

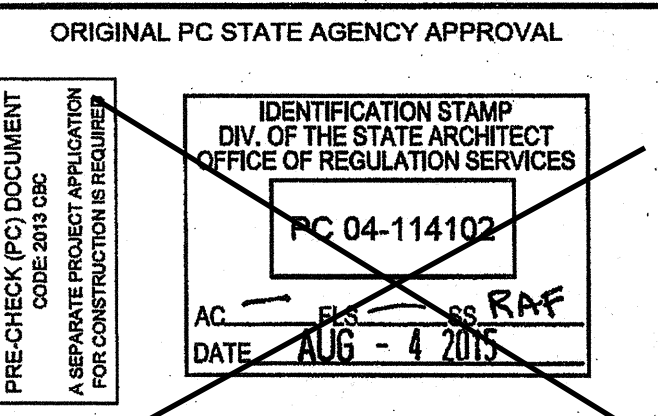
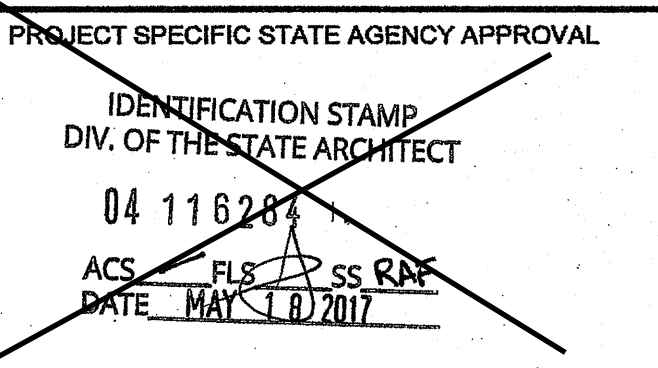
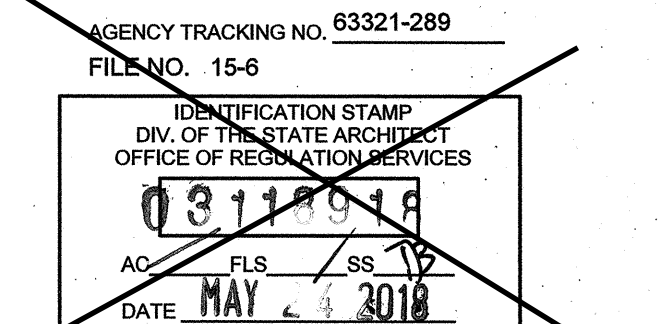
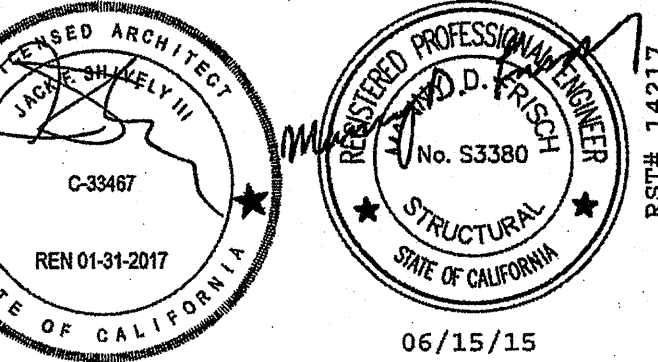
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:

FLOOR FRAMING  
DETAILS  
WOOD FLOOR



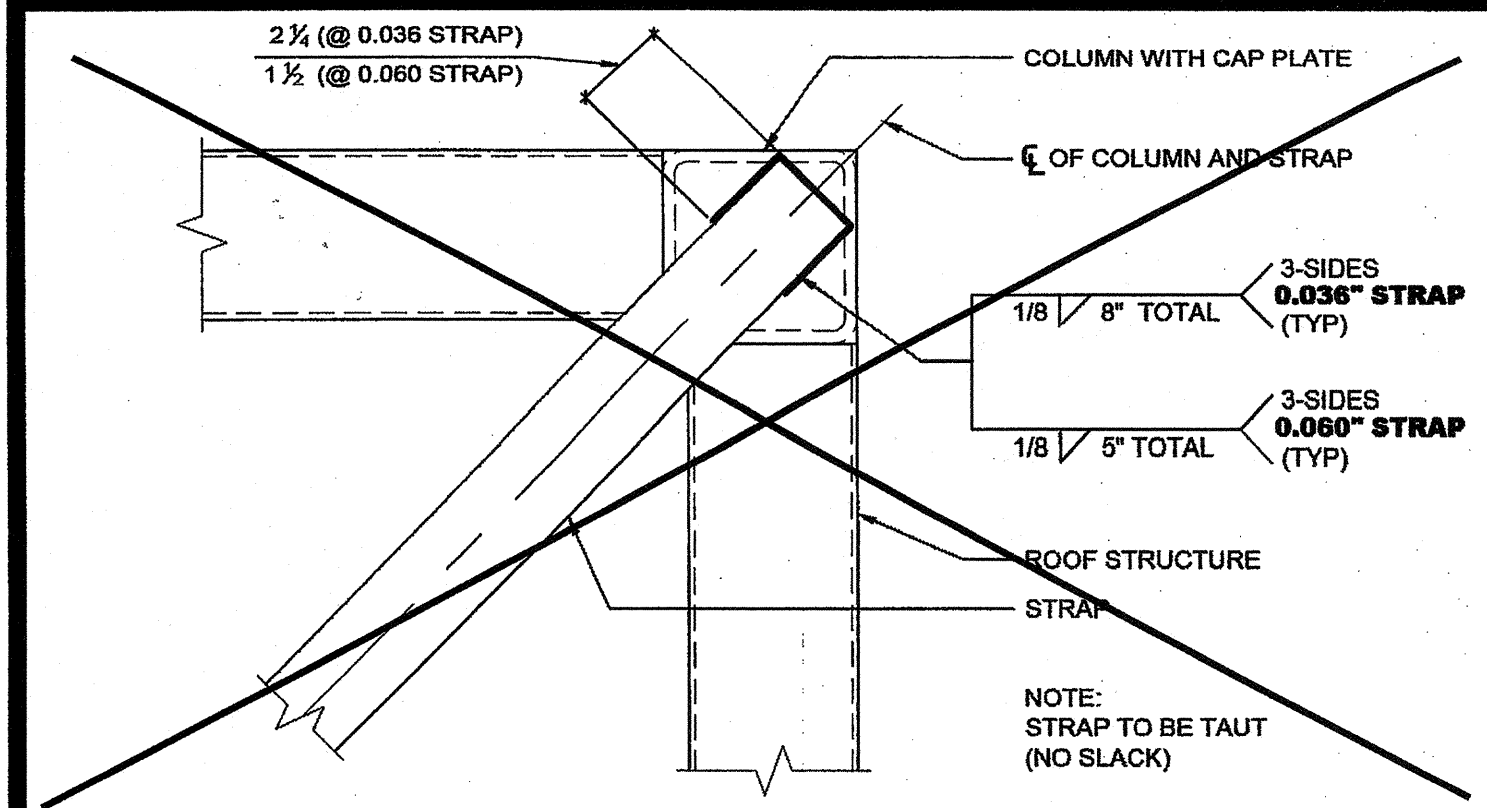
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24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
S-1.50

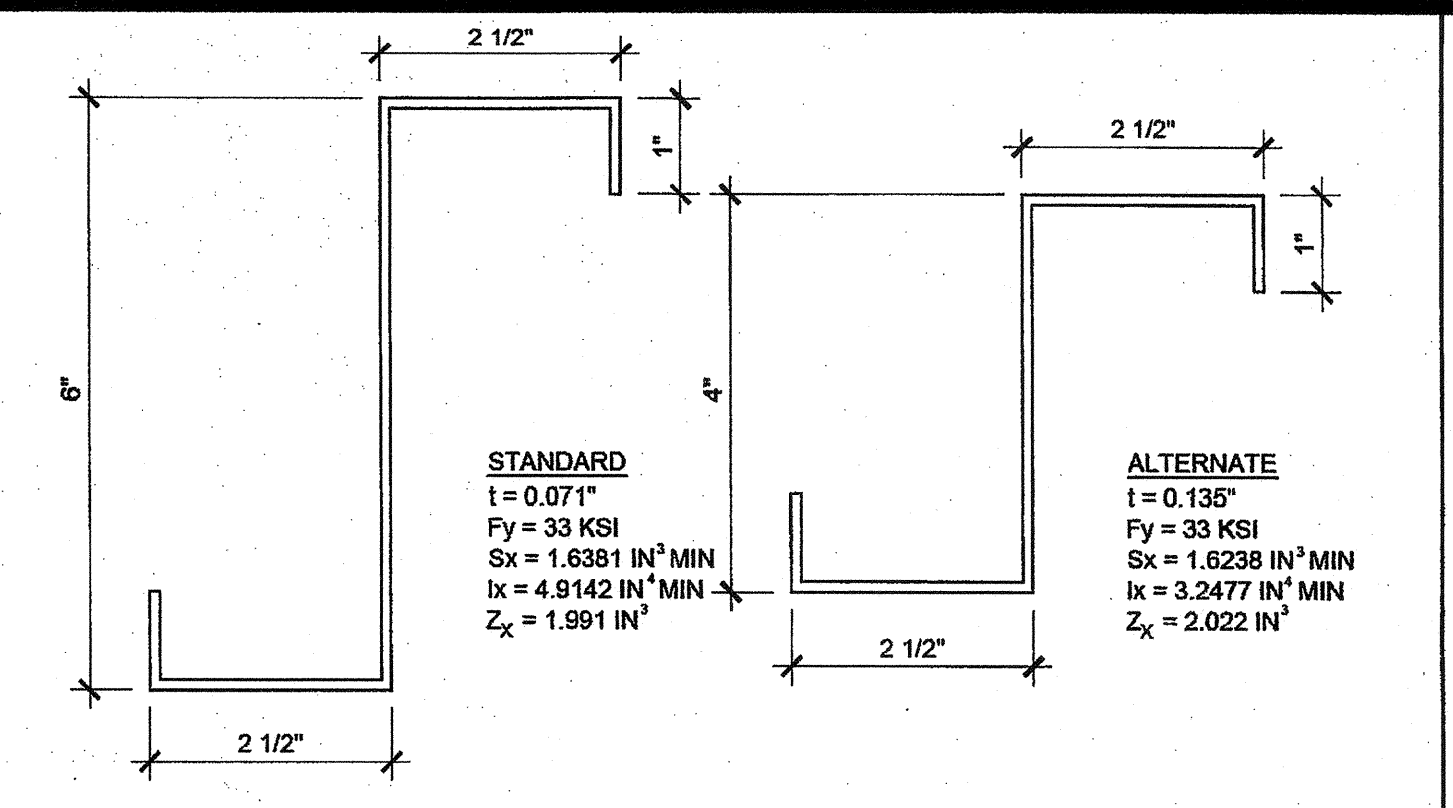




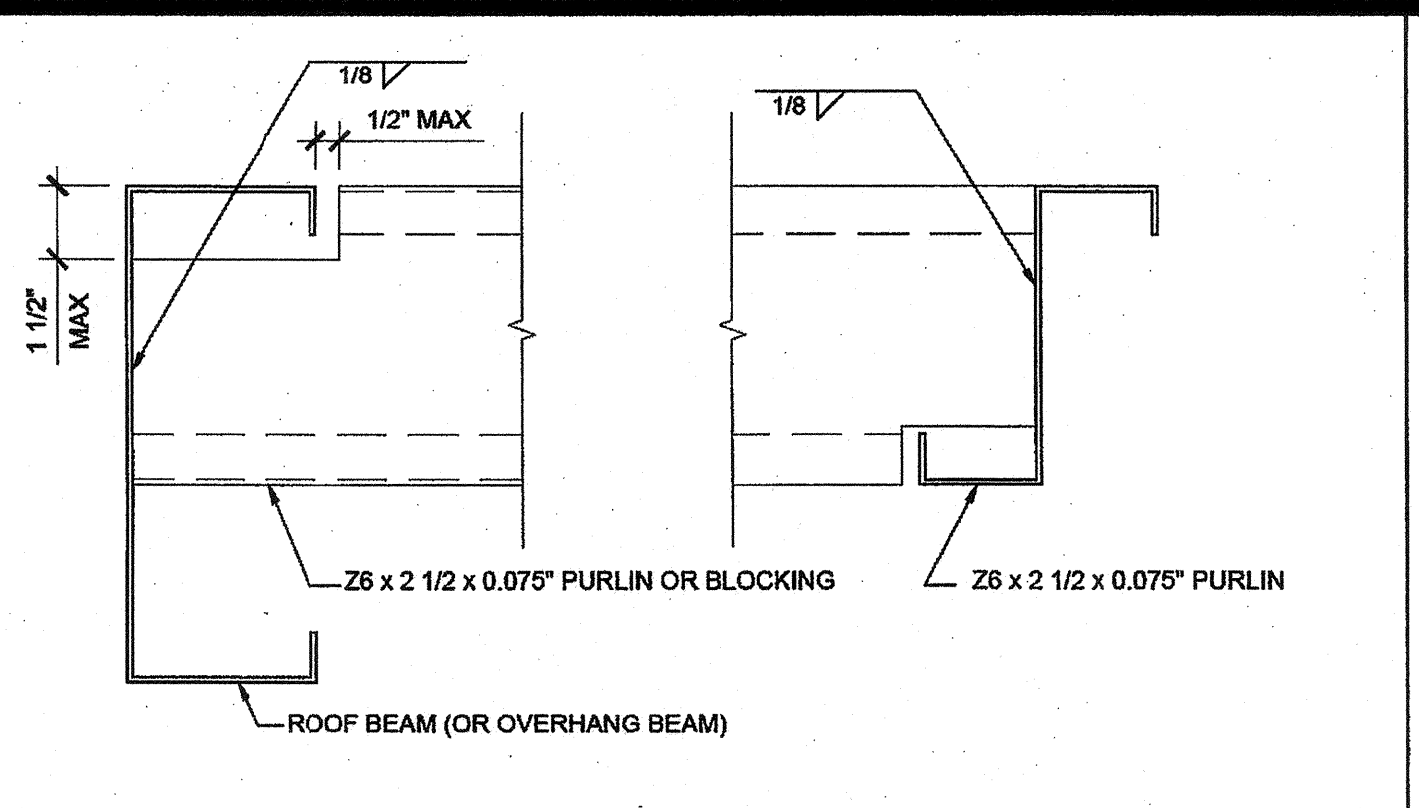




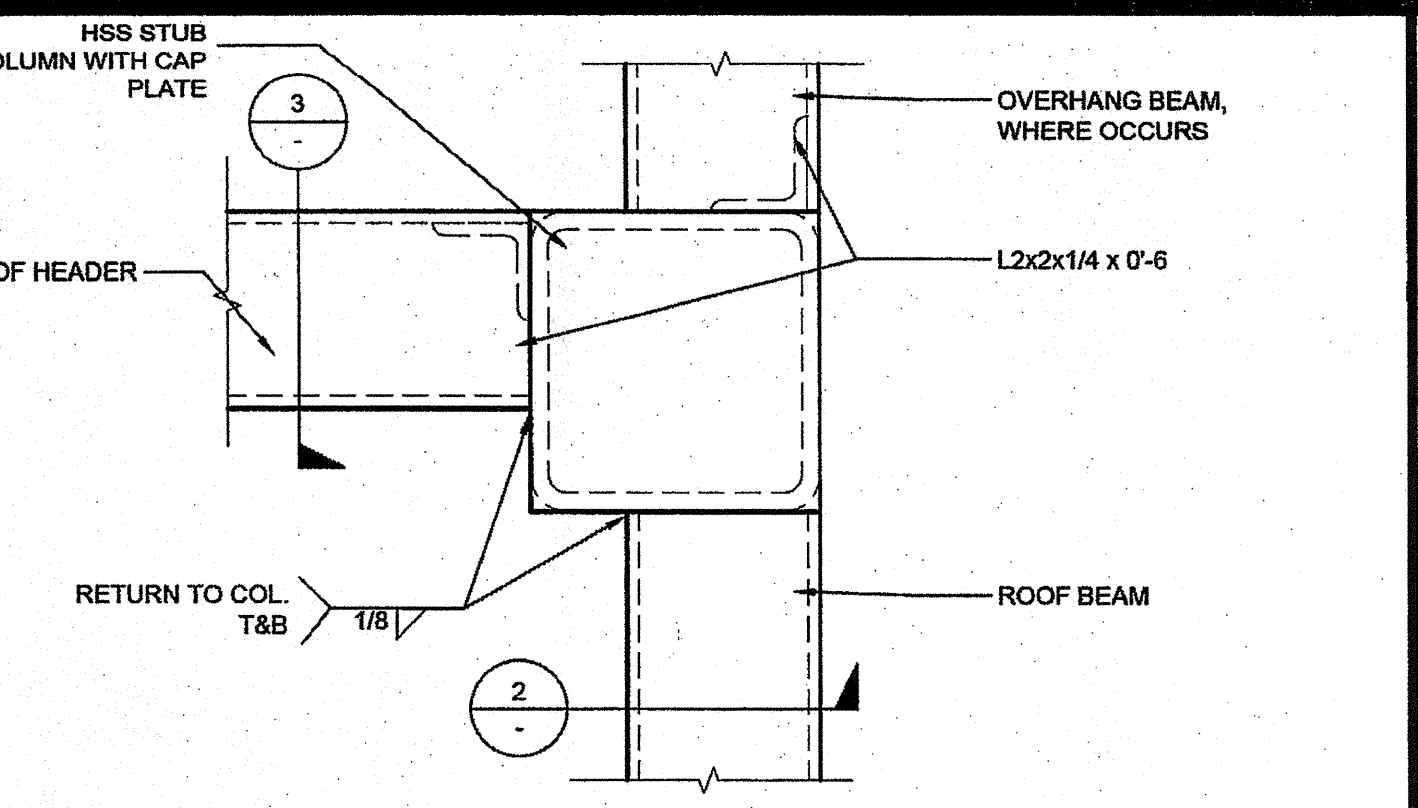
ROOF BRACING STRAP @ END WALL SCALE: 3"=1'-0" 16



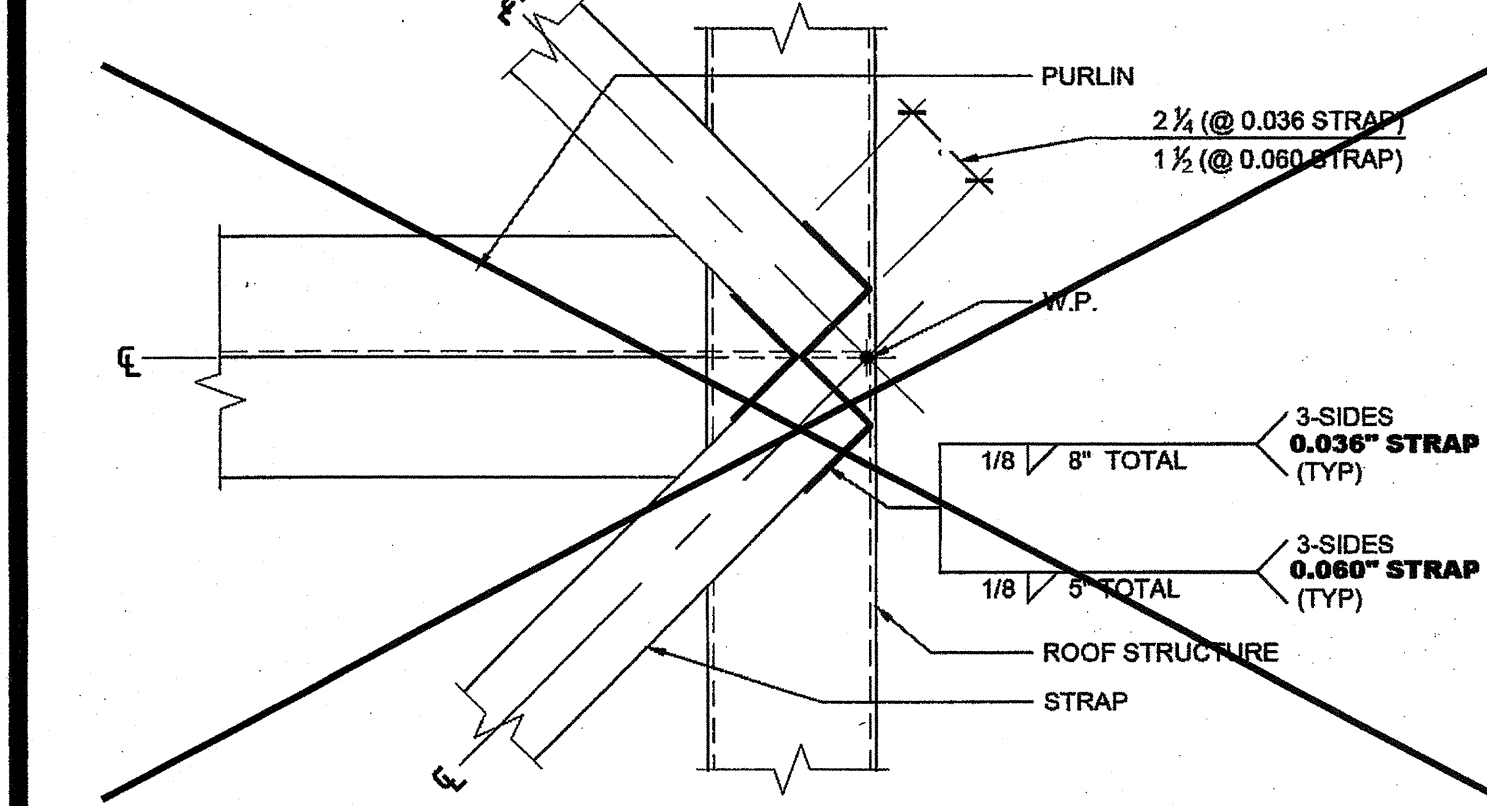
ROOF PURLIN SCALE: 6"=1'-0" 11



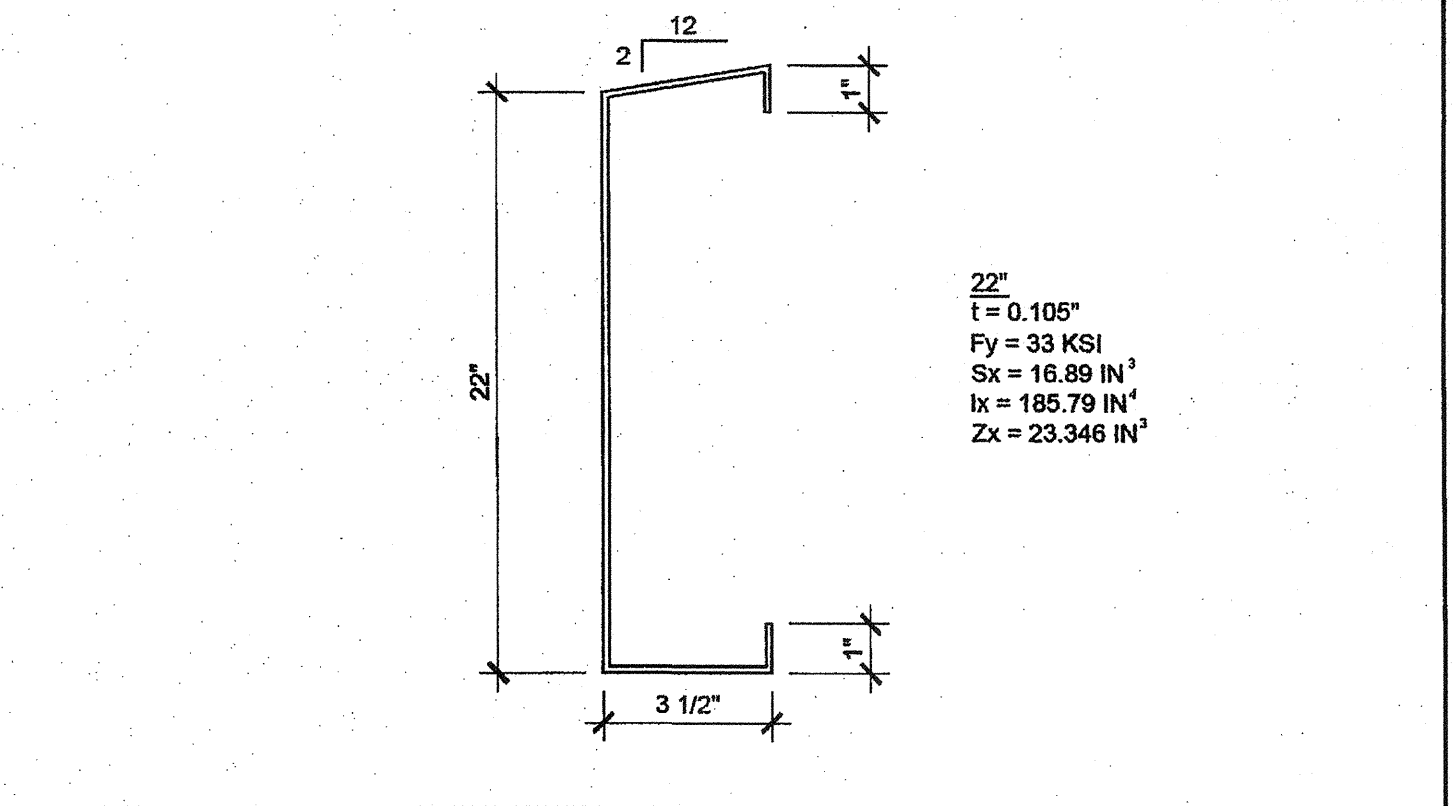
TYPICAL PURLIN CONNECTION DETAIL SCALE: 3"=1'-0" 6



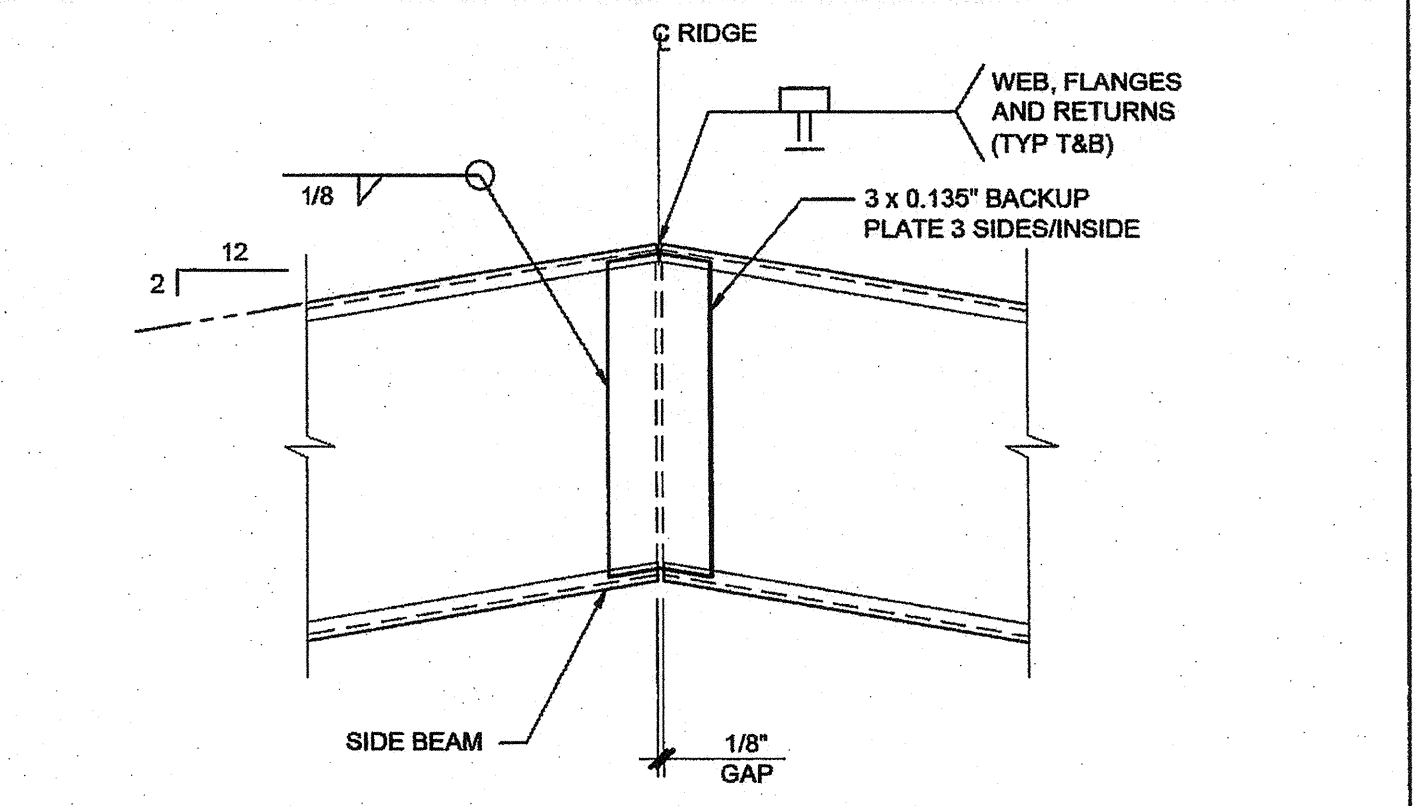
COLUMN AT ROOF - PLAN SCALE: 3"=1'-0" 1



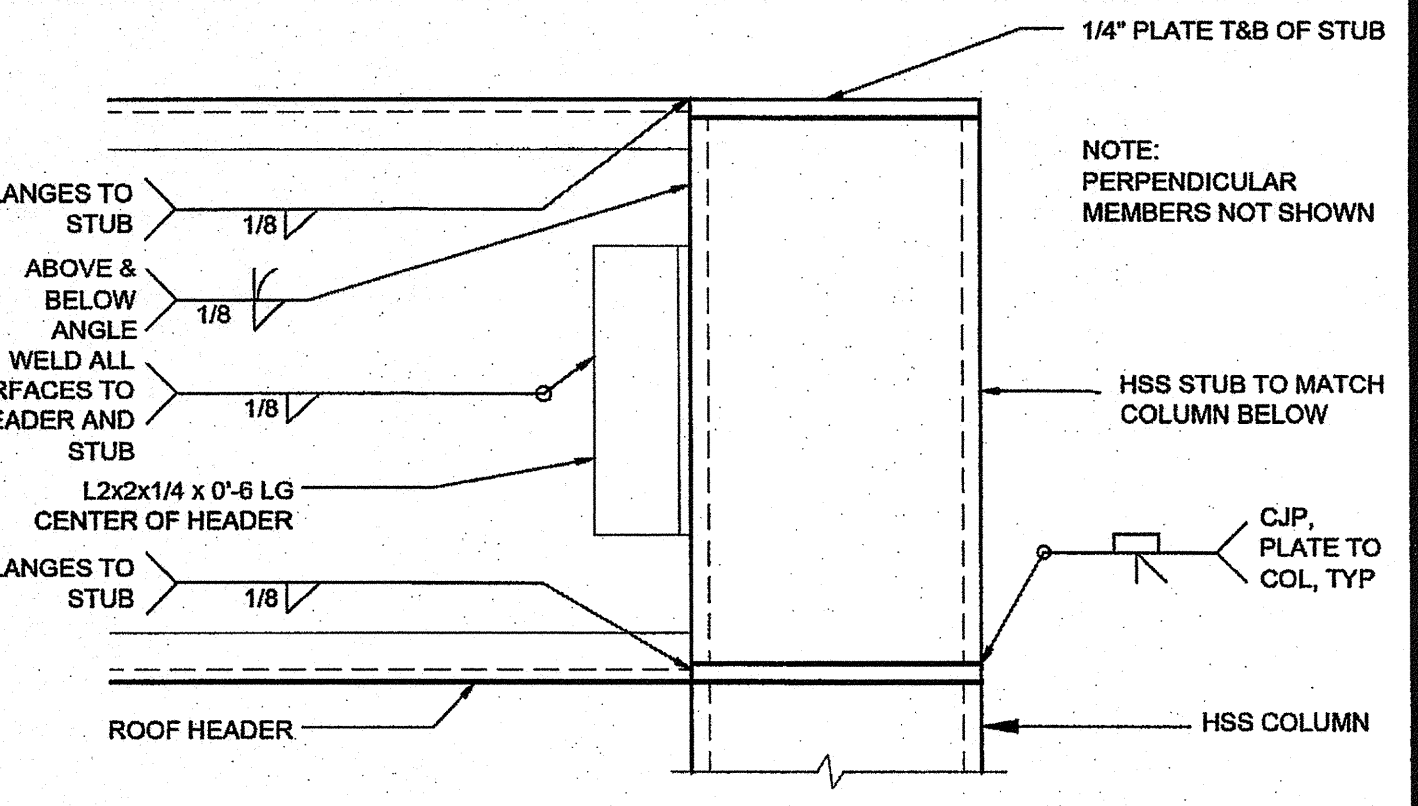
ROOF BRACING STRAP @ SIDE WALL SCALE: 3"=1'-0" 17



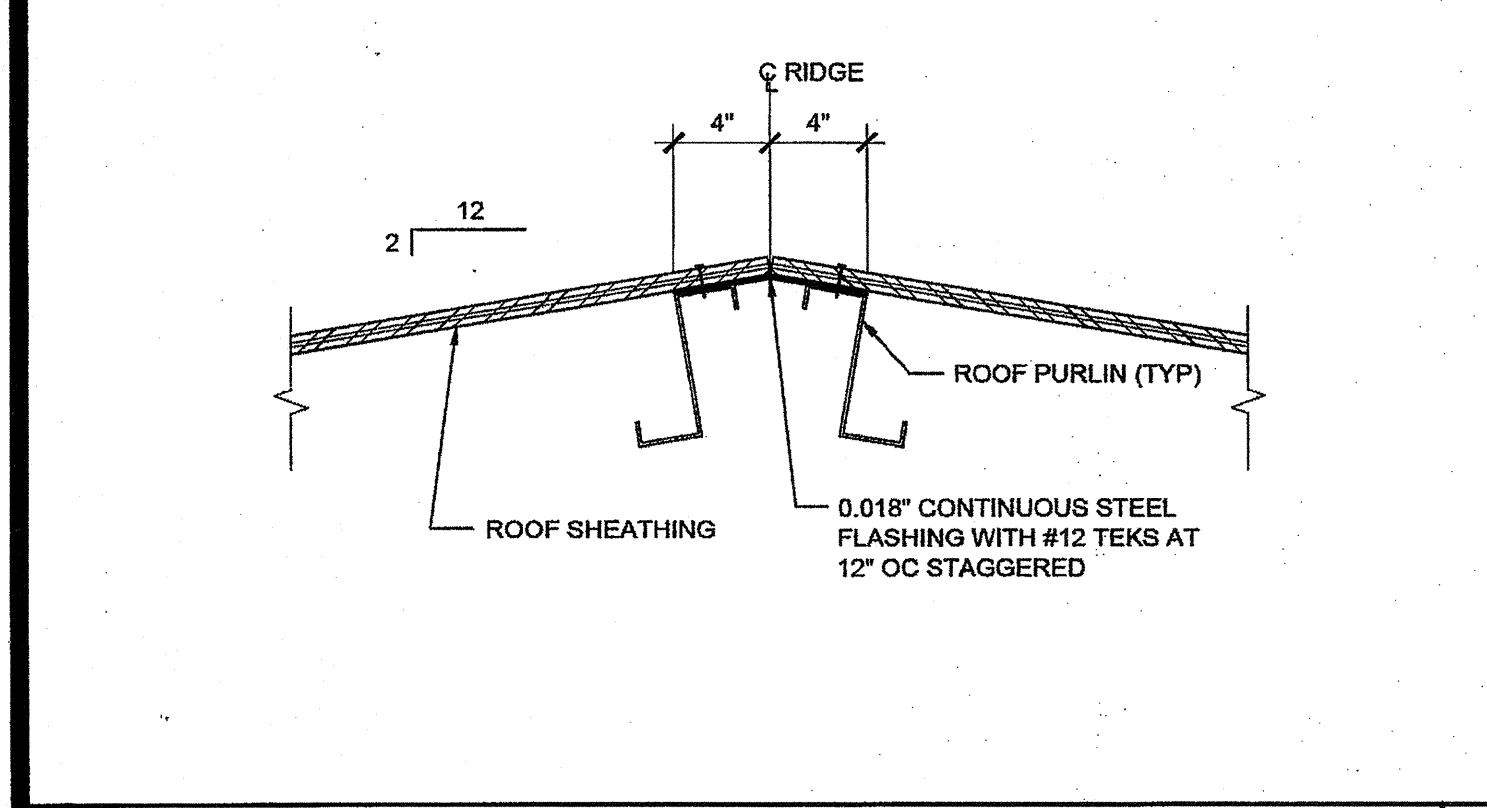
ROOF HEADER SCALE: NTS 12



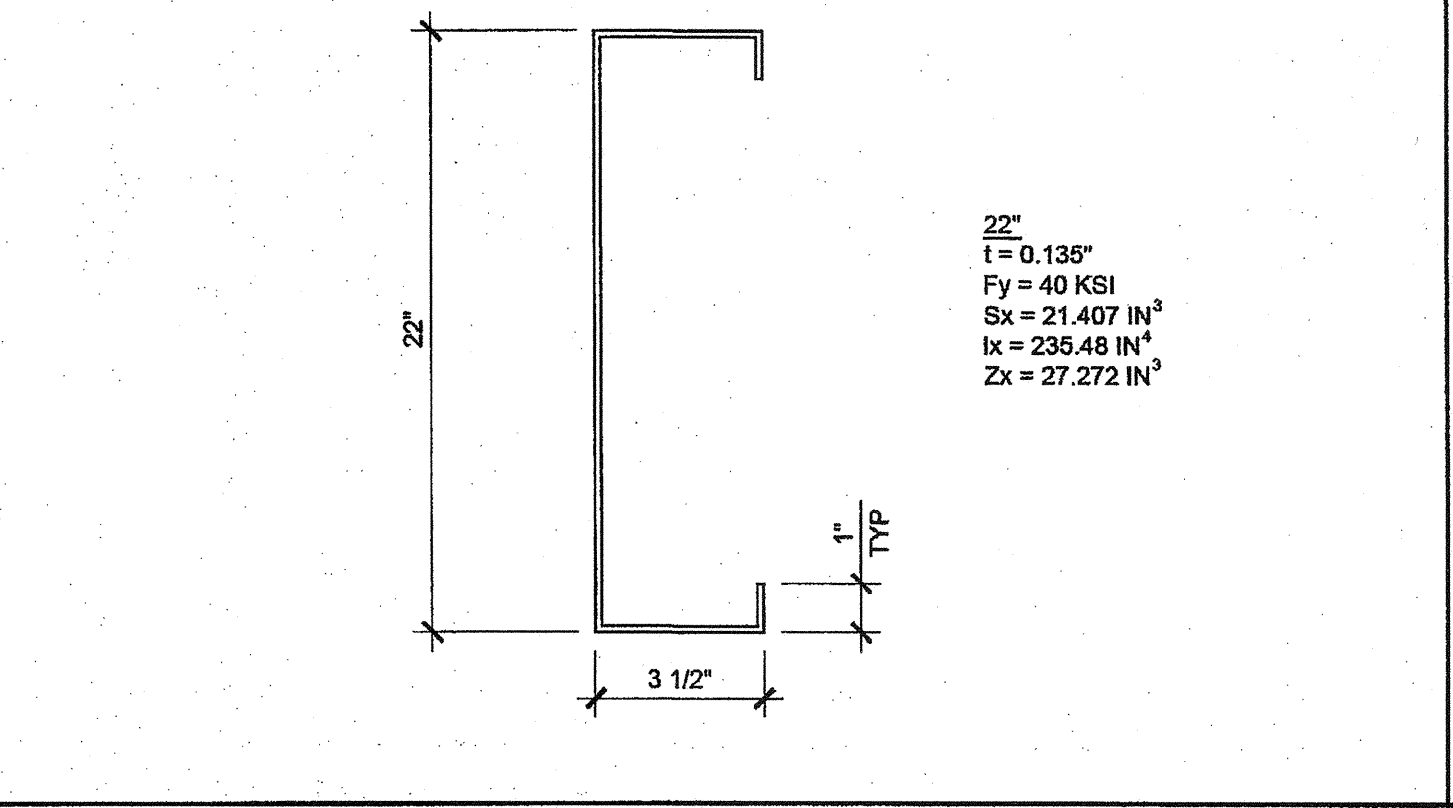
BEAM SPLICE SCALE: 3"=1'-0" 7



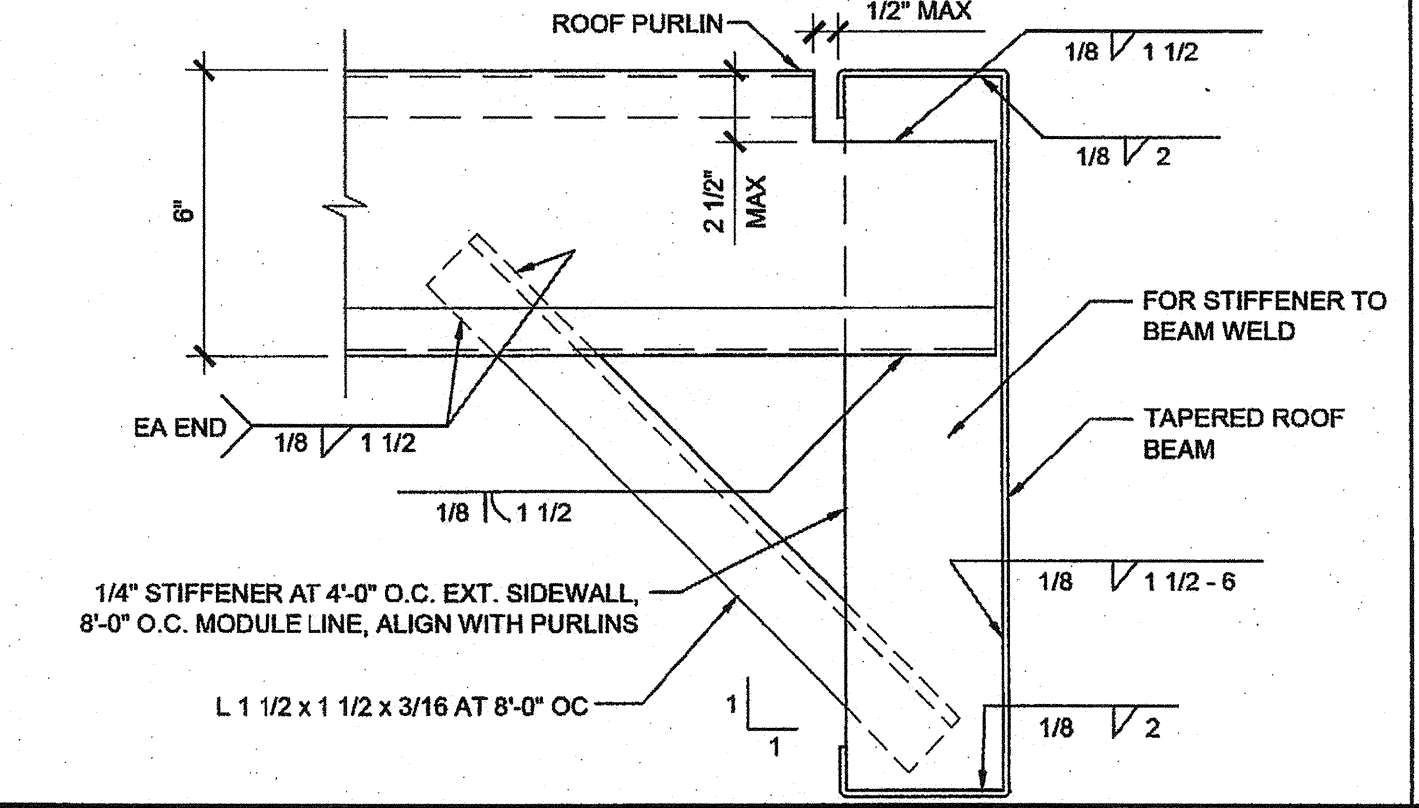
COLUMN AT ROOF - SECTION SCALE: 3"=1'-0" 2



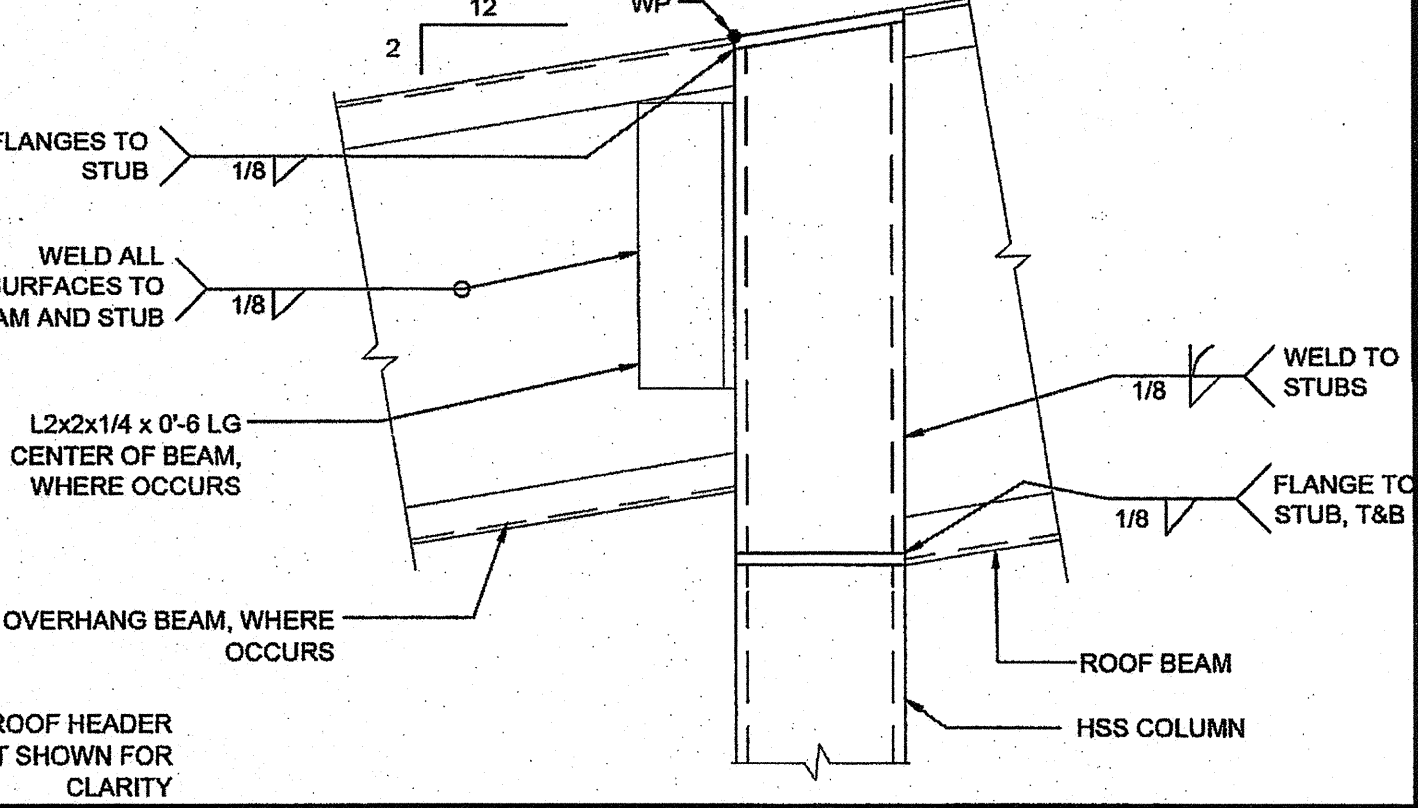
PURLINS AT RIDGE SCALE: 1 1/2"=1'-0" 18



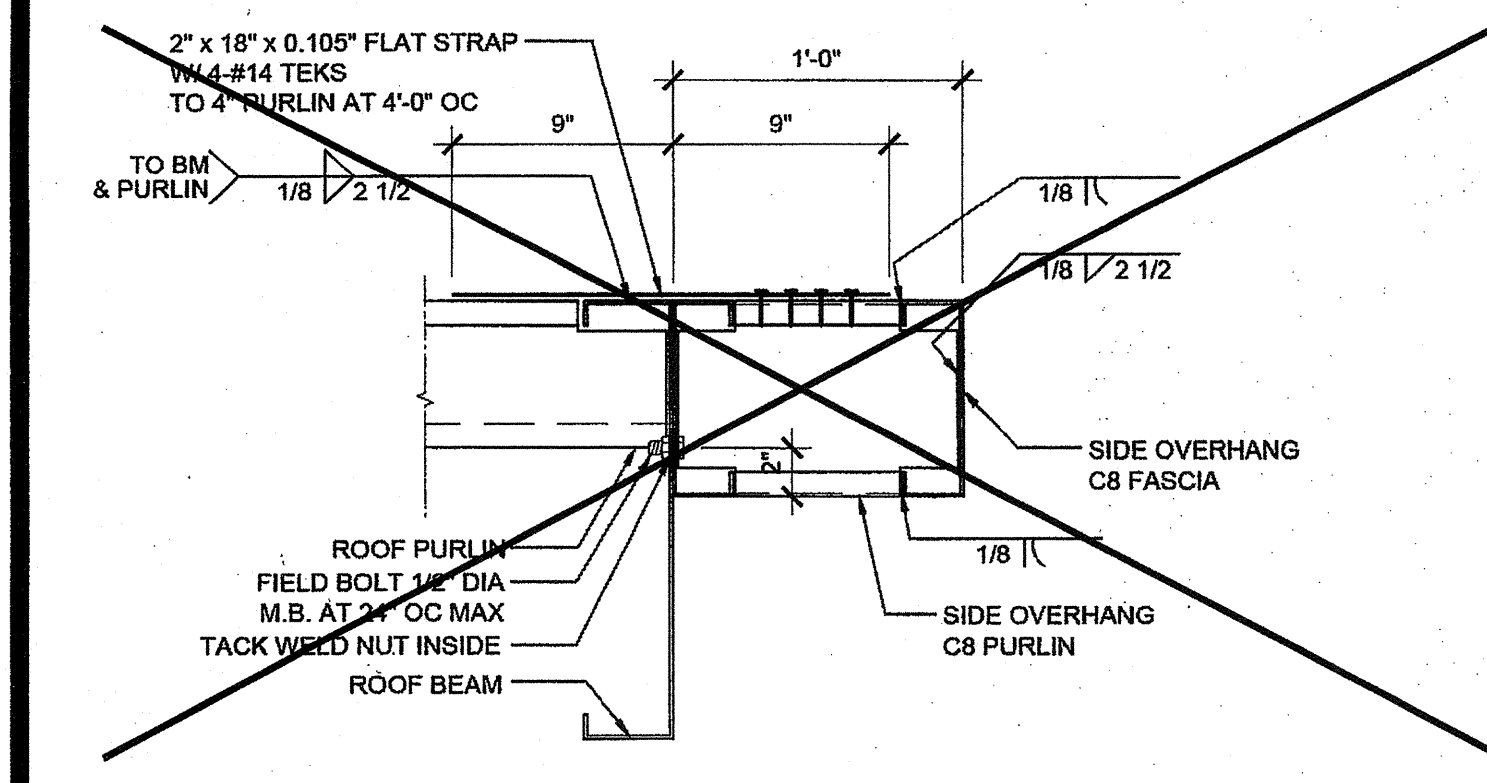
ROOF BEAM SCALE: NTS 13



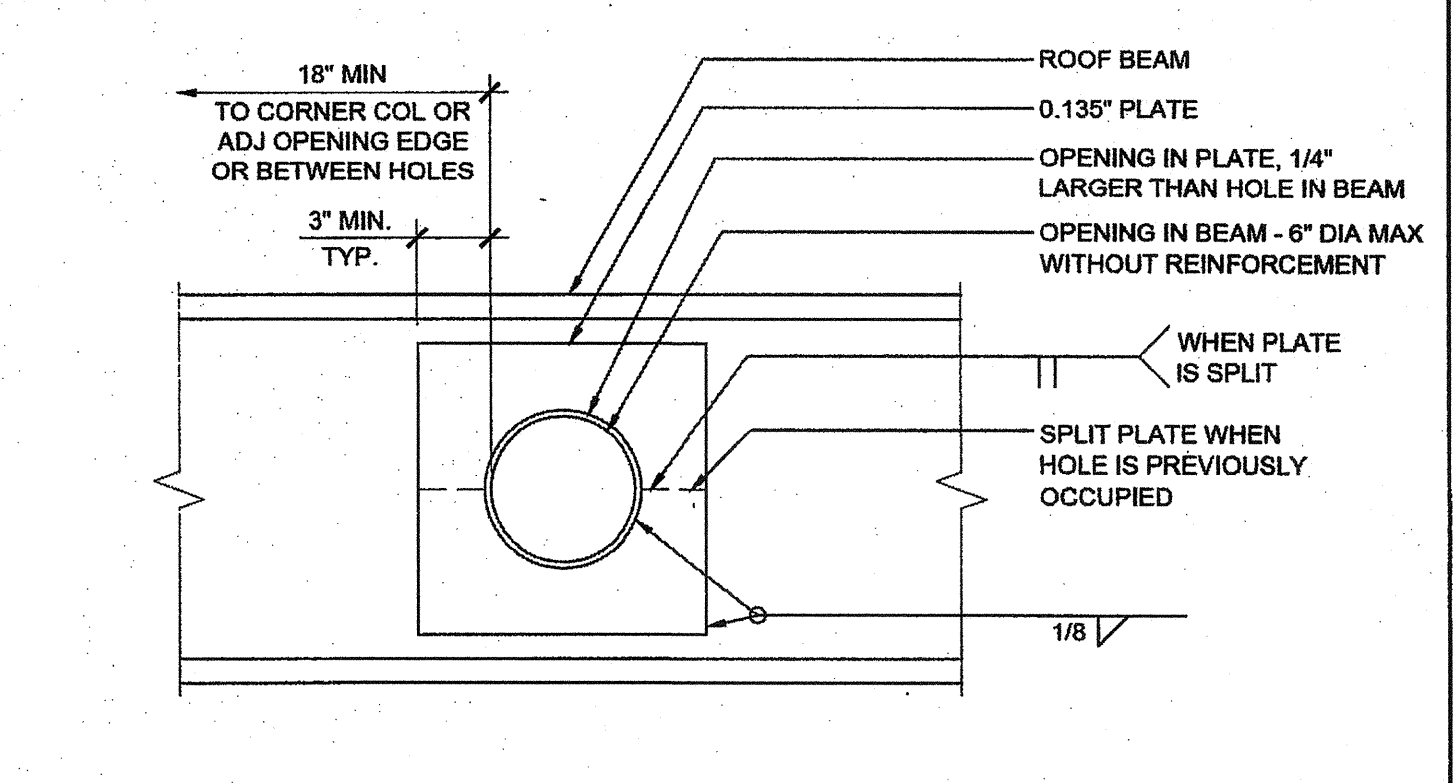
PURLIN TO ROOF BEAM @ STIFFENER SCALE: 3"=1'-0" 8



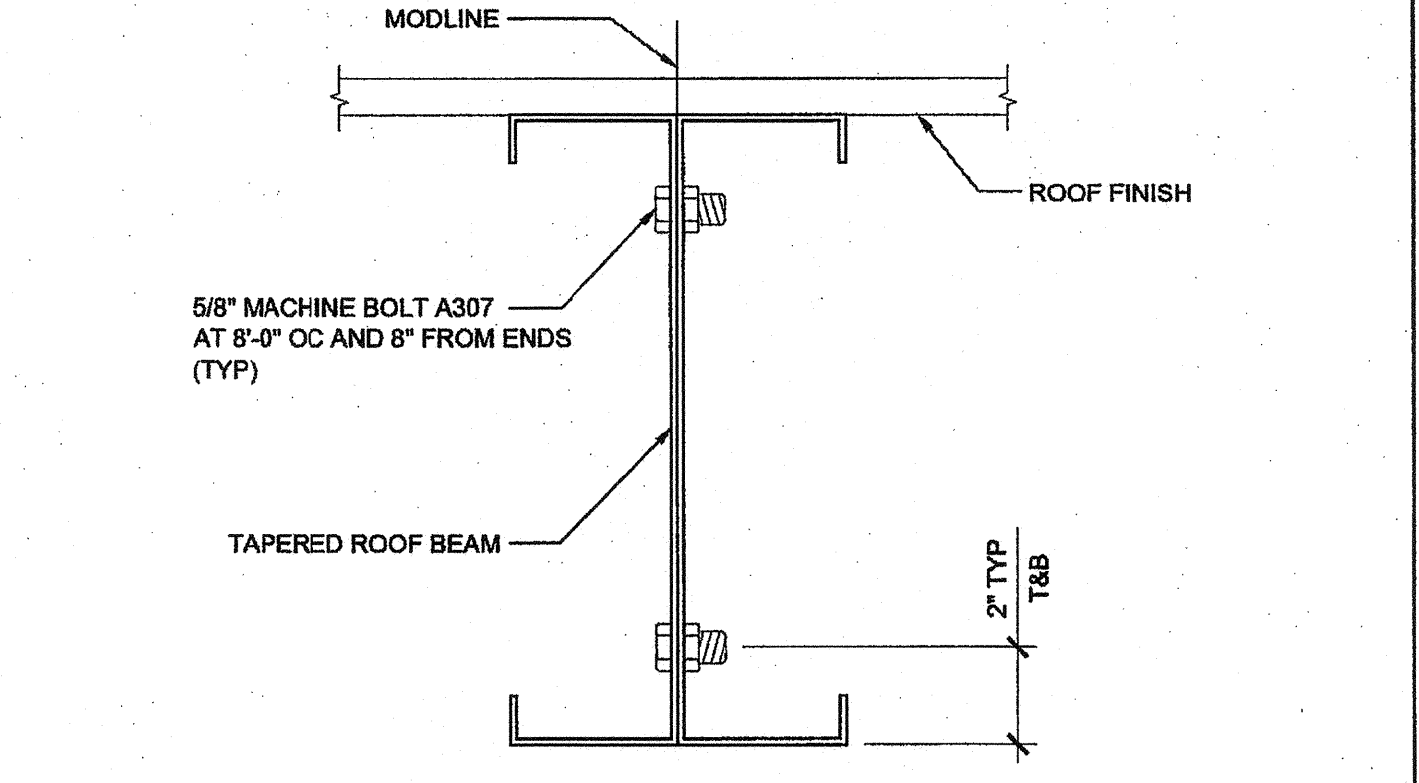
COLUMN AT ROOF OVERHANG SCALE: 3"=1'-0" 3



SIDE OVERHANG SCALE: 1 1/2"=1'-0" 19



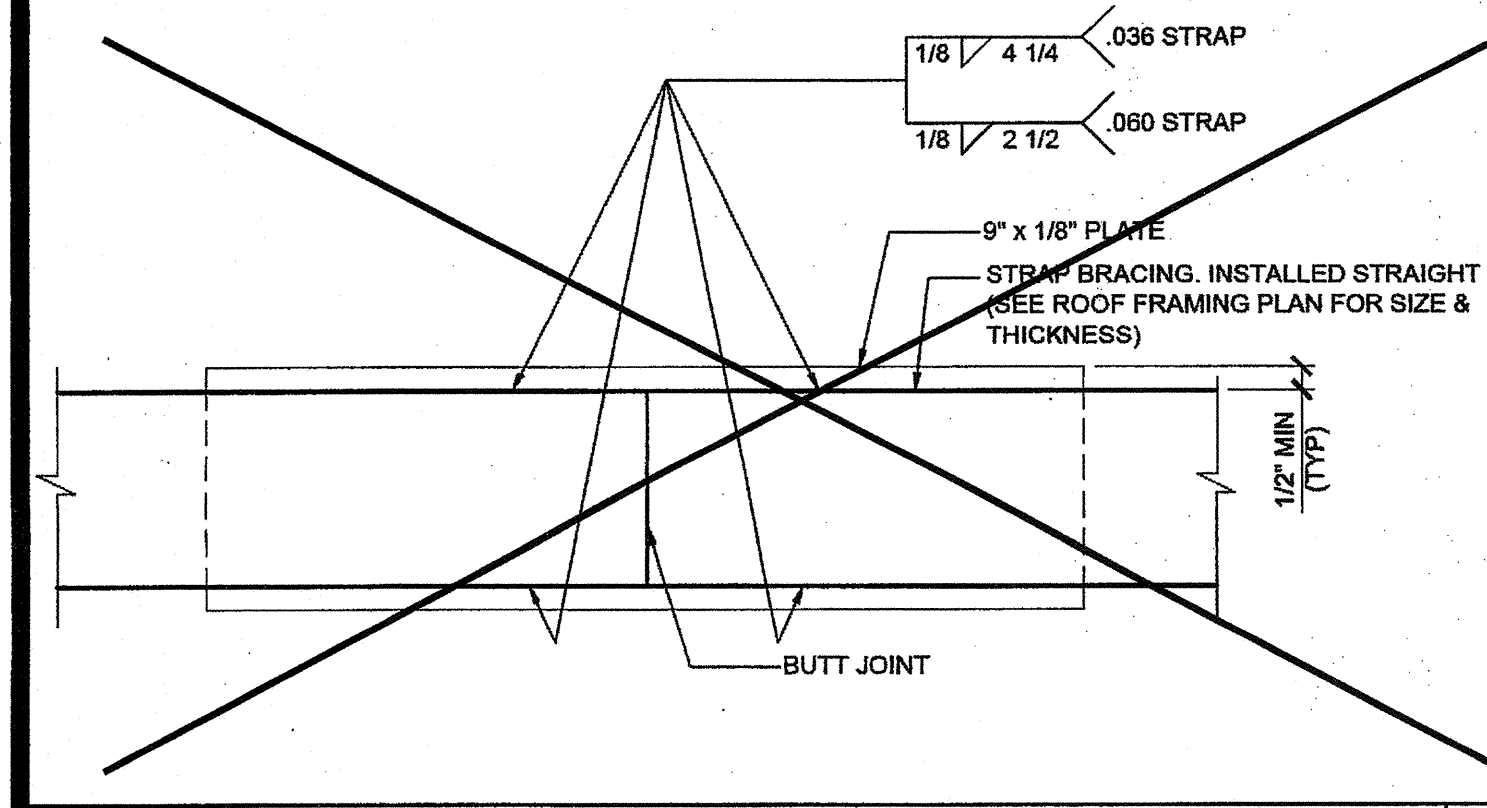
SIDEWALL BEAM PENETRATION SCALE: 1 1/2"=1'-0" 14



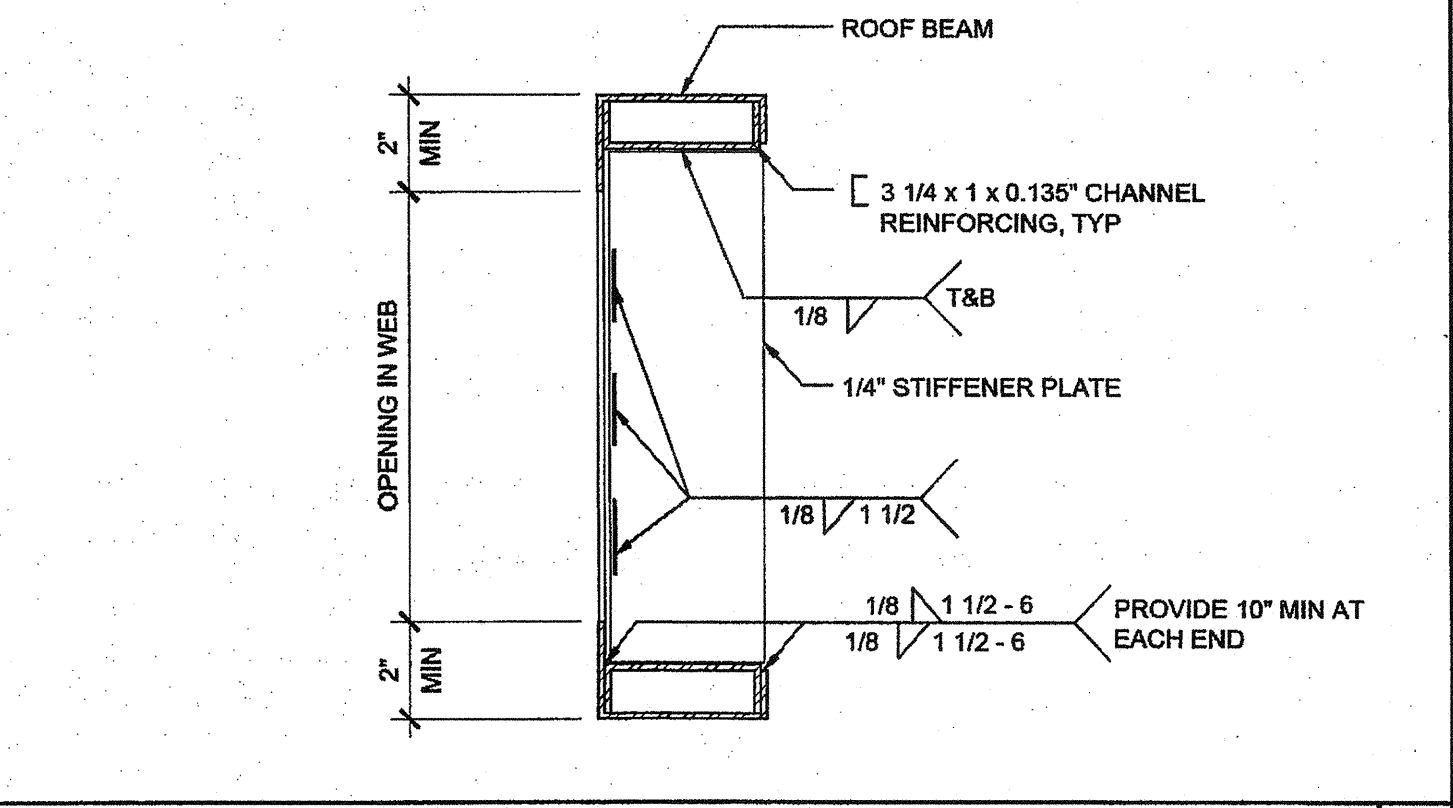
MODULE CONNECTION AT ROOF (OPTION) SCALE: 3"=1'-0" 9



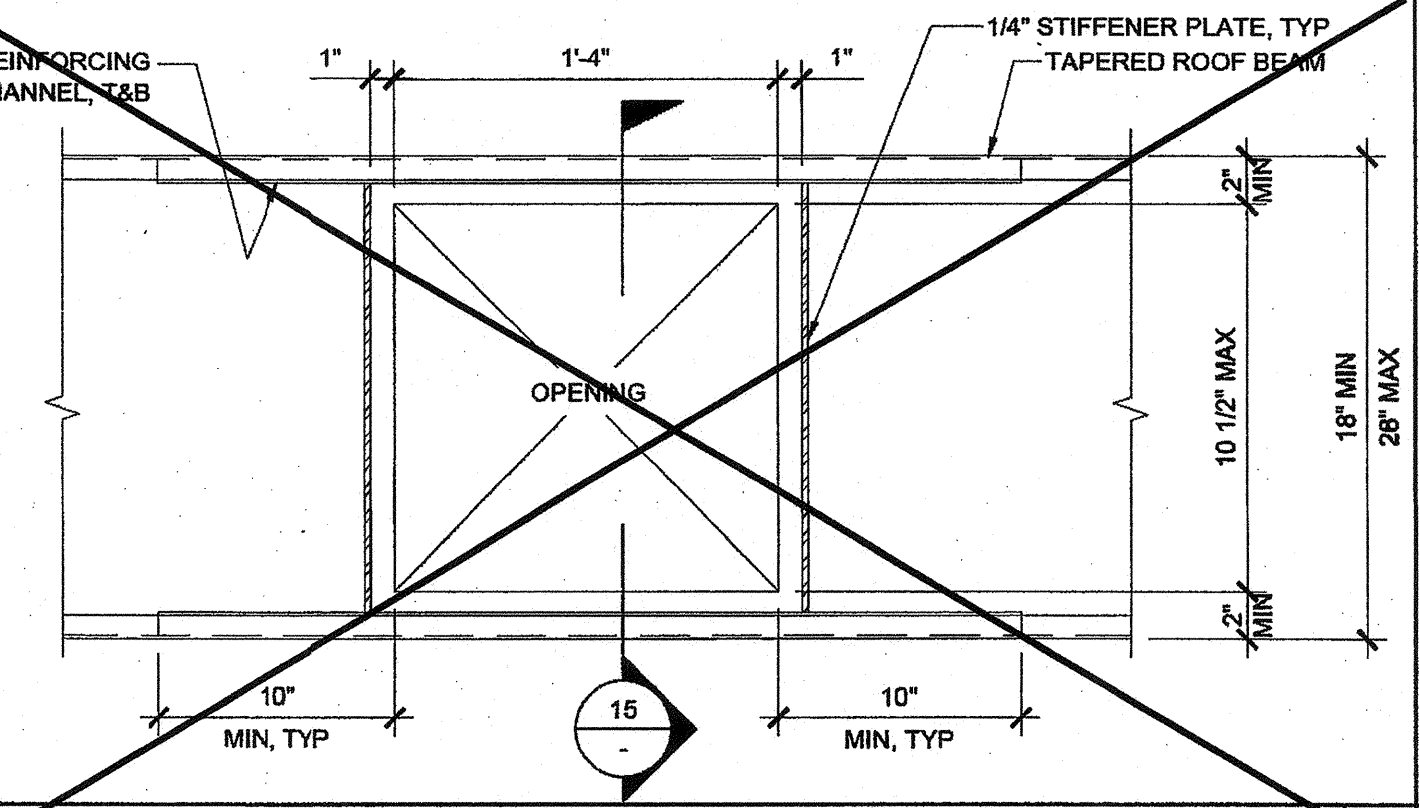
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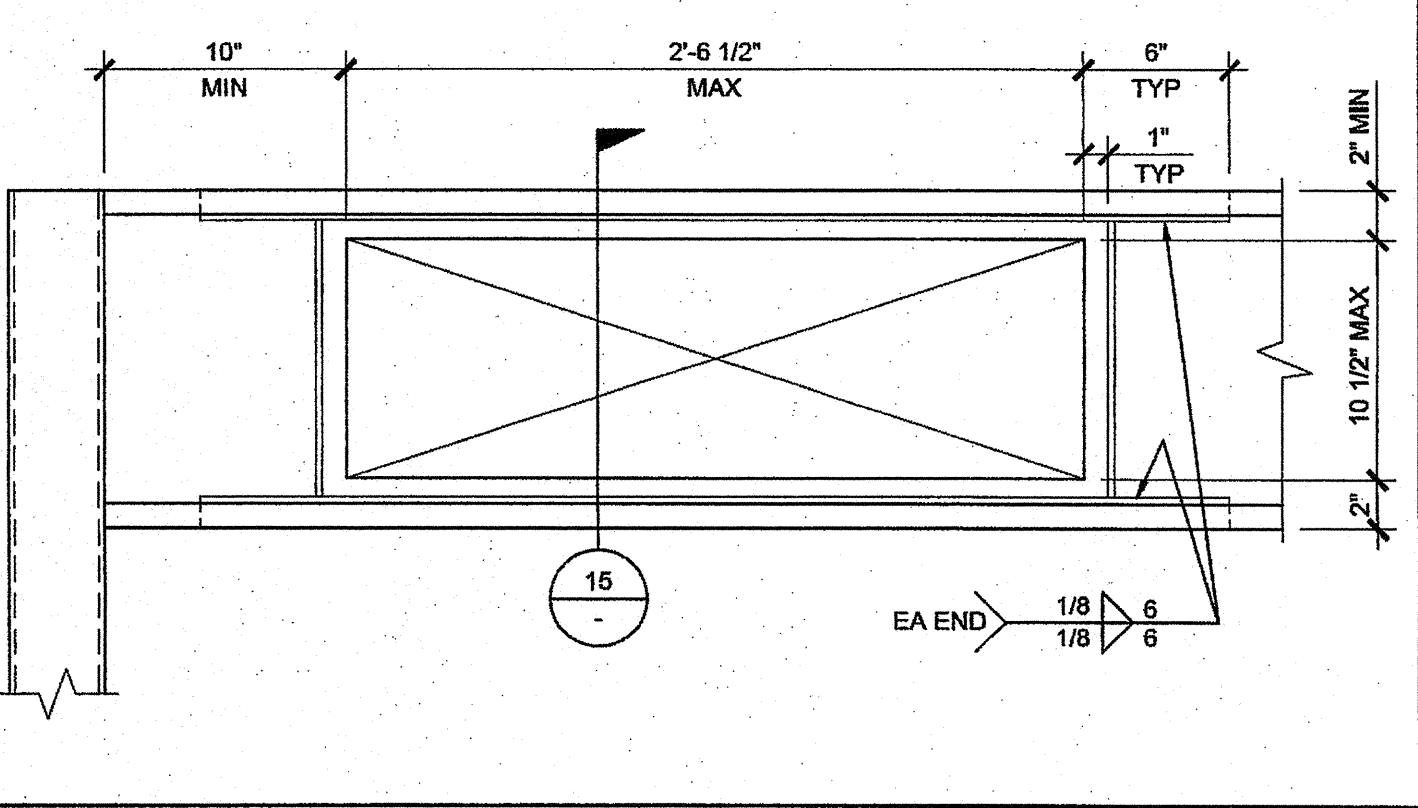
STRAP SPLICE DETAIL SCALE: 6"=1'-0" 20



WEB OPENING AT HEADER SCALE: 3"=1'-0" 15



OPENING AT ROOF BEAM (OPTION) SCALE: 1 1/2"=1'-0" 10



OPENING AT HEADER SCALE: 1 1/2"=1'-0" 5

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC.  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

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

STAVARE ASSOCIATES  
LICENSED ARCHITECT  
STATE OF CALIFORNIA  
No. 53380  
RENOVATED 01-31-2017  
06/15/15

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118918  
AC FLS SS  
DATE MAY 4 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04118284  
AC FLS SS RAE  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECK (PC) DOCUMENT  
CODE: 04-114102  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC FLS SS RAE  
DATE AUG 4 2015

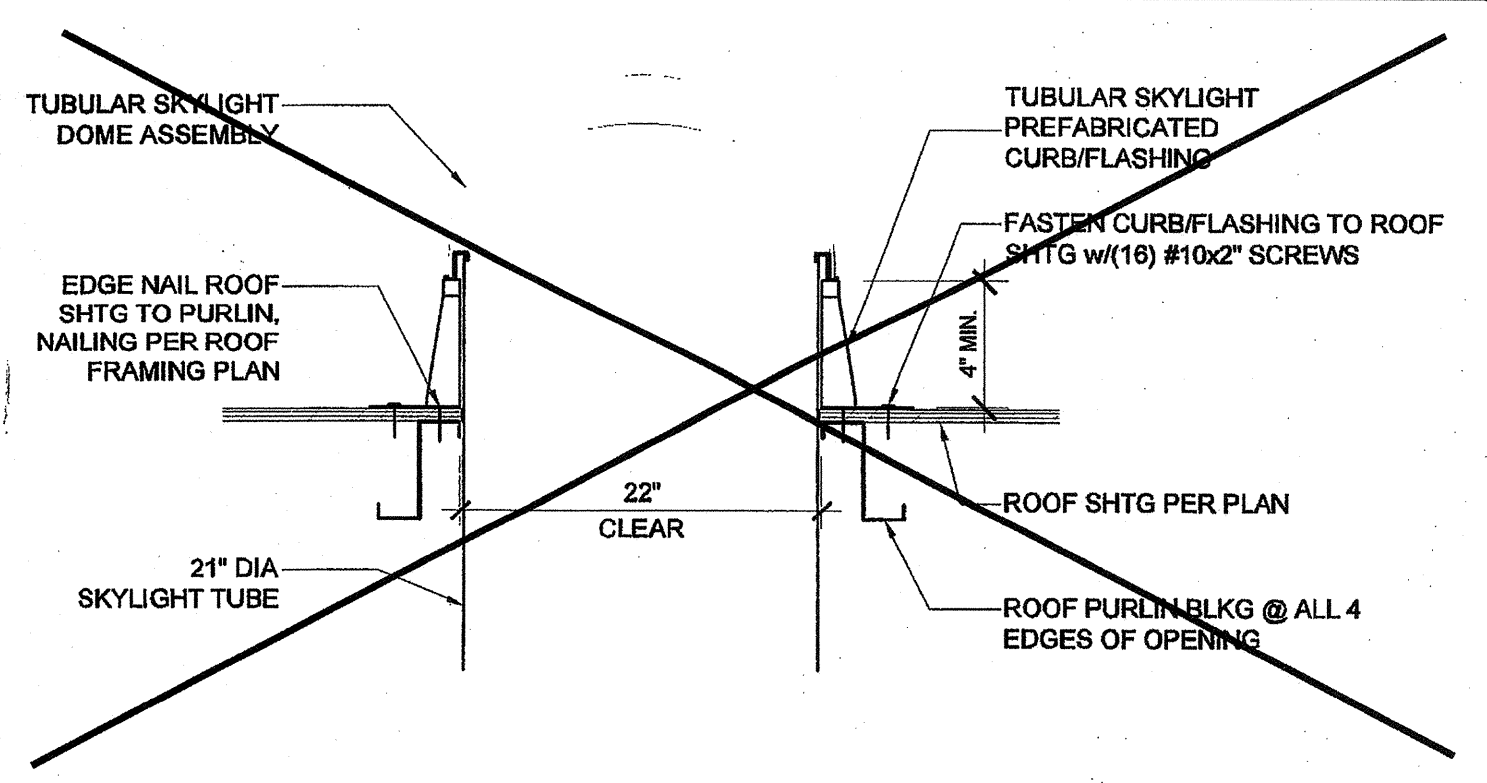
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24' x 40' PC - 2:12 PITCH

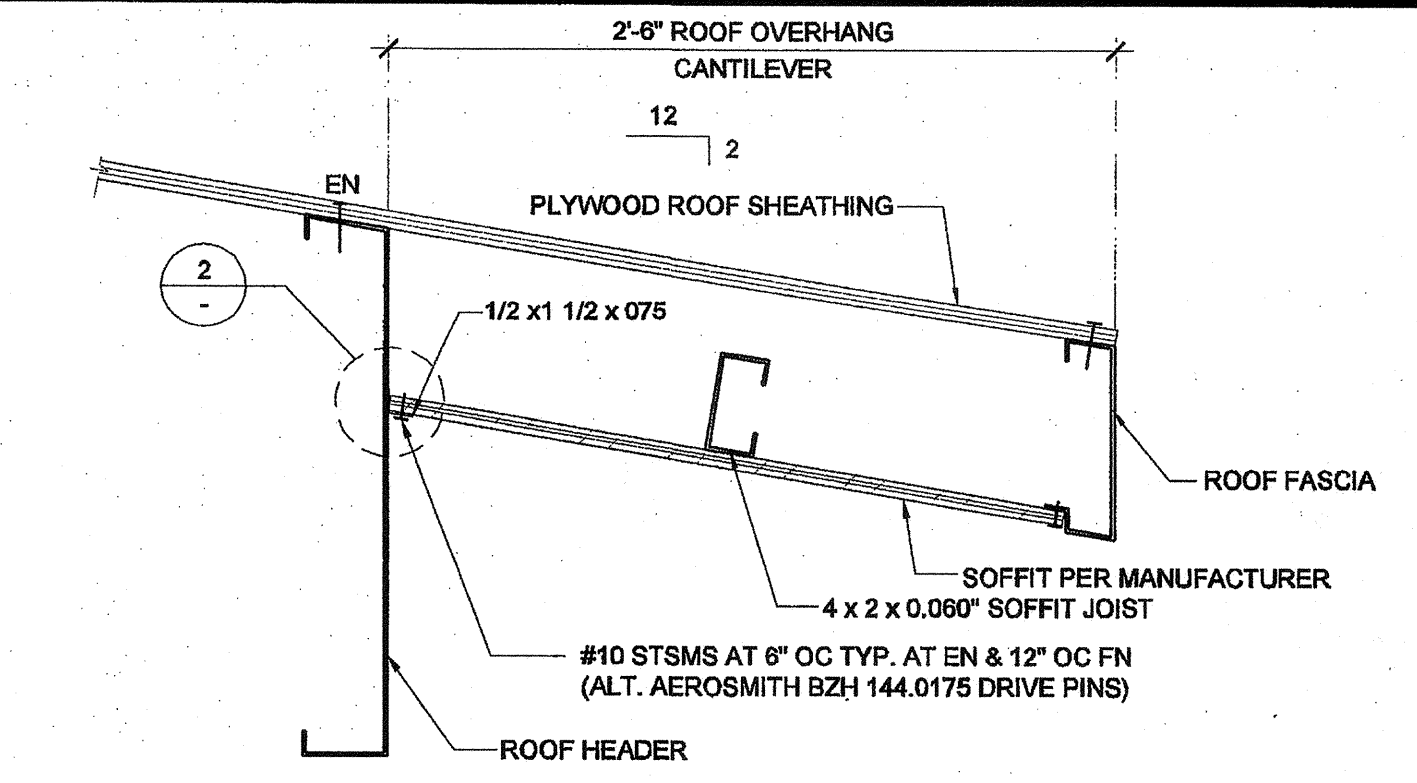
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DATE: 01-30-15  
P.C. SHEET NUMBER

**S-2.51**

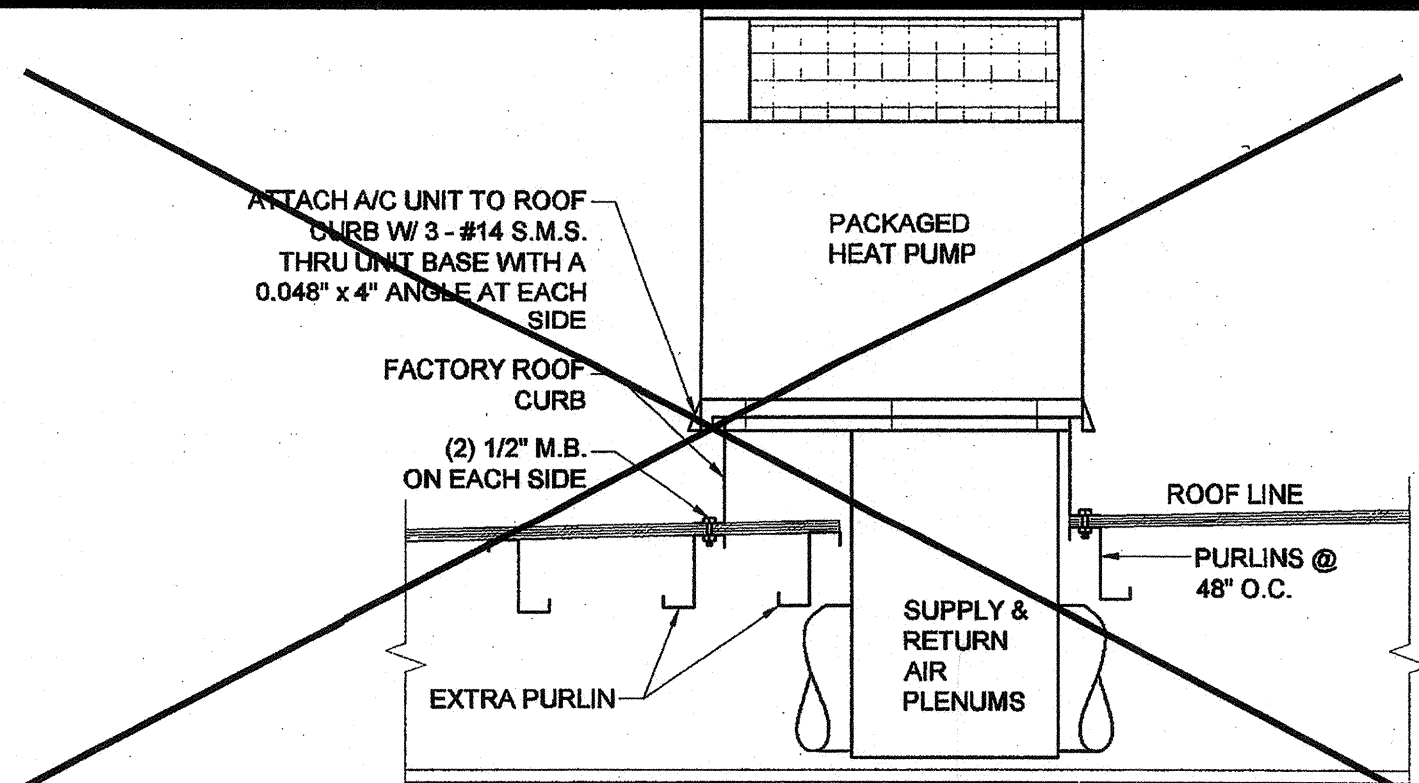




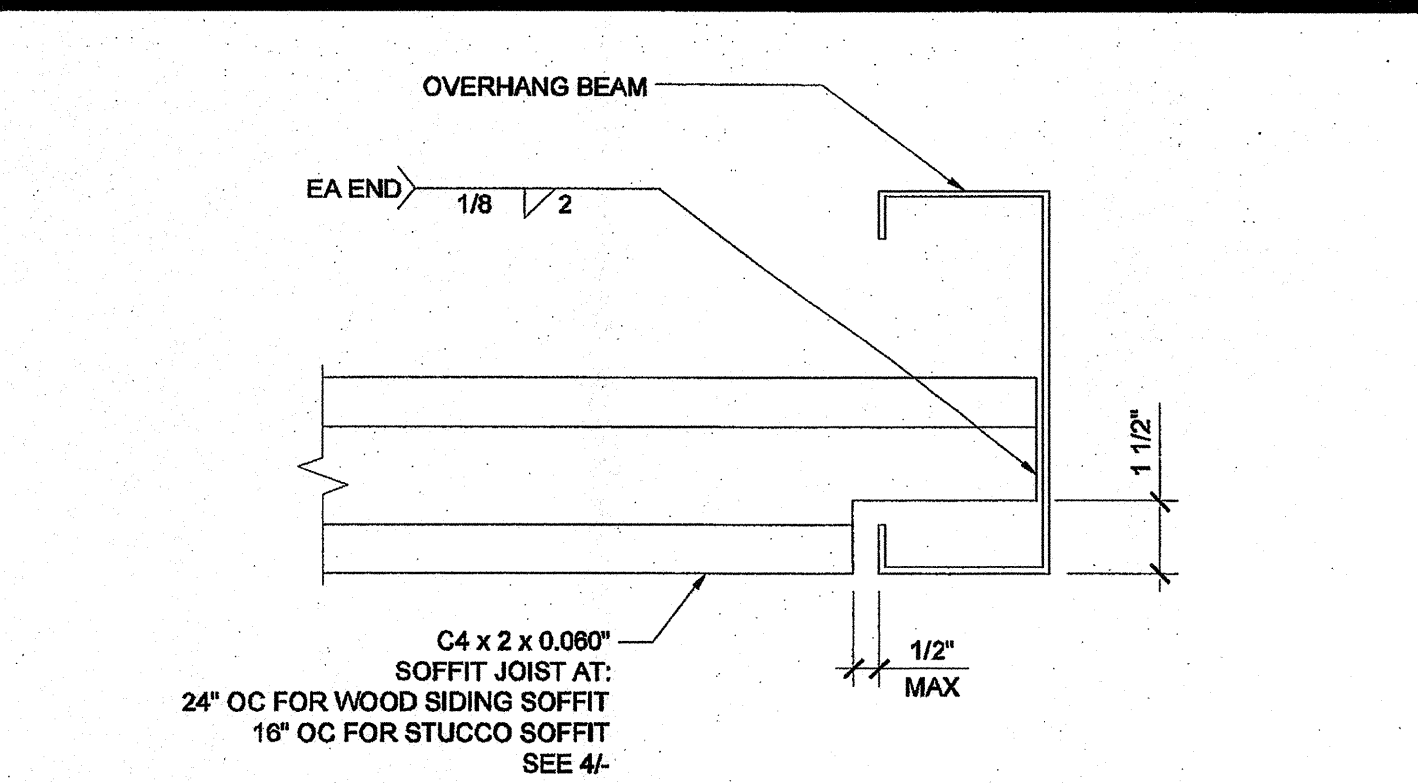
TUBULAR SKYLIGHT SECTION SCALE: 1" = 1'-0" 16



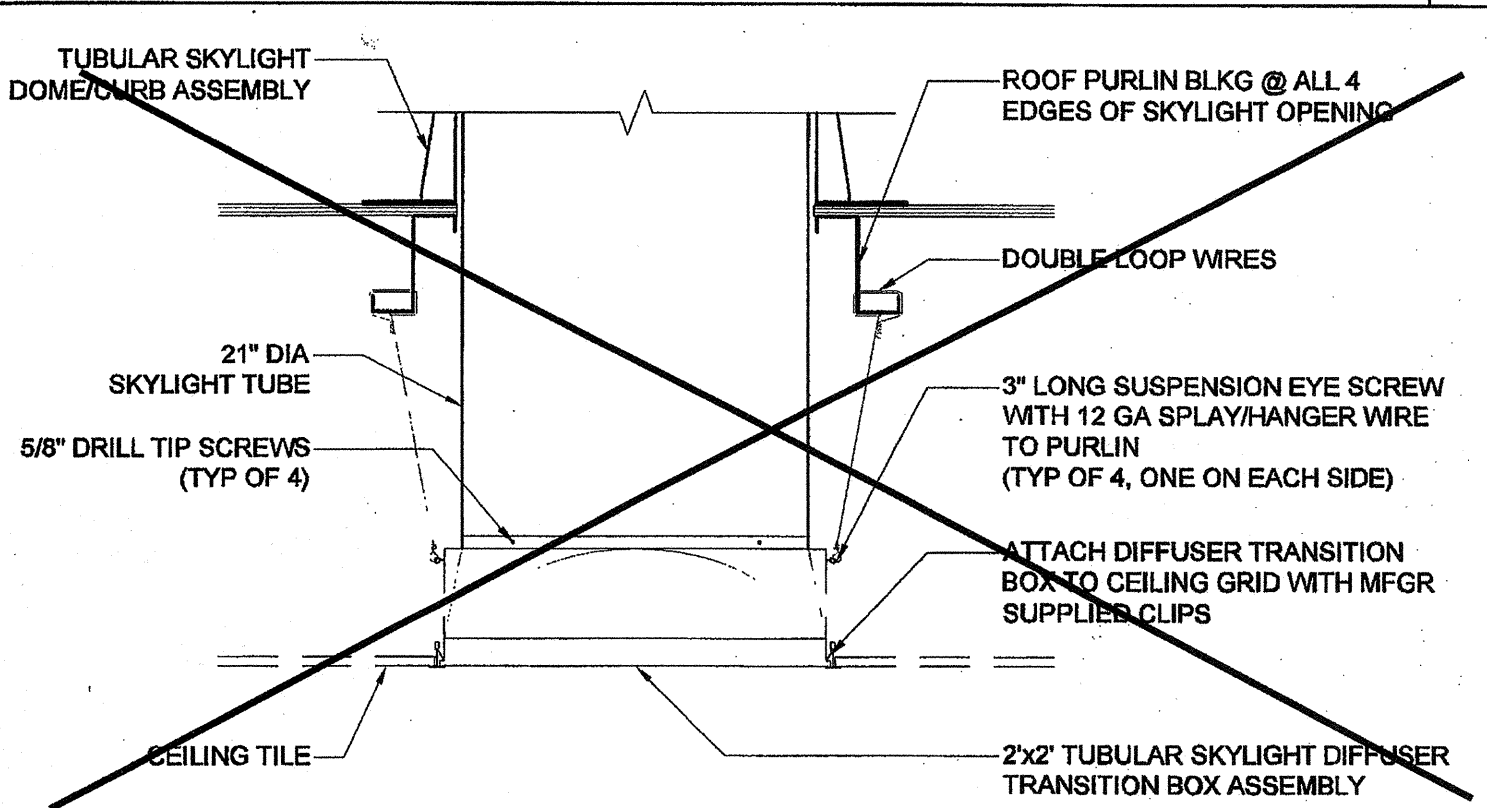
REAR OVERHANG SECTION SCALE: 1 1/2" = 1'-0" 11



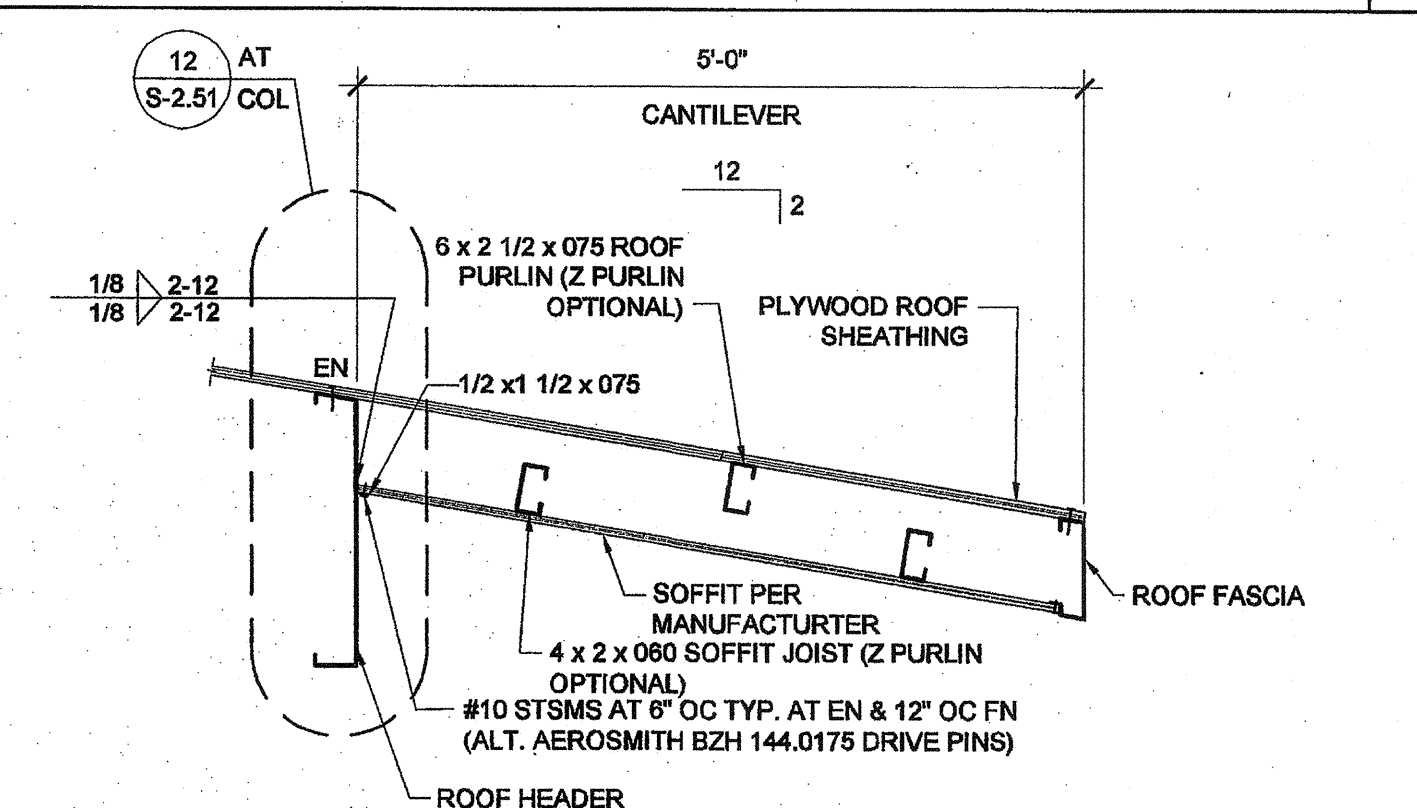
HVAC CURB ATTACHMENT SCALE: 3/4" = 1'-0" 6



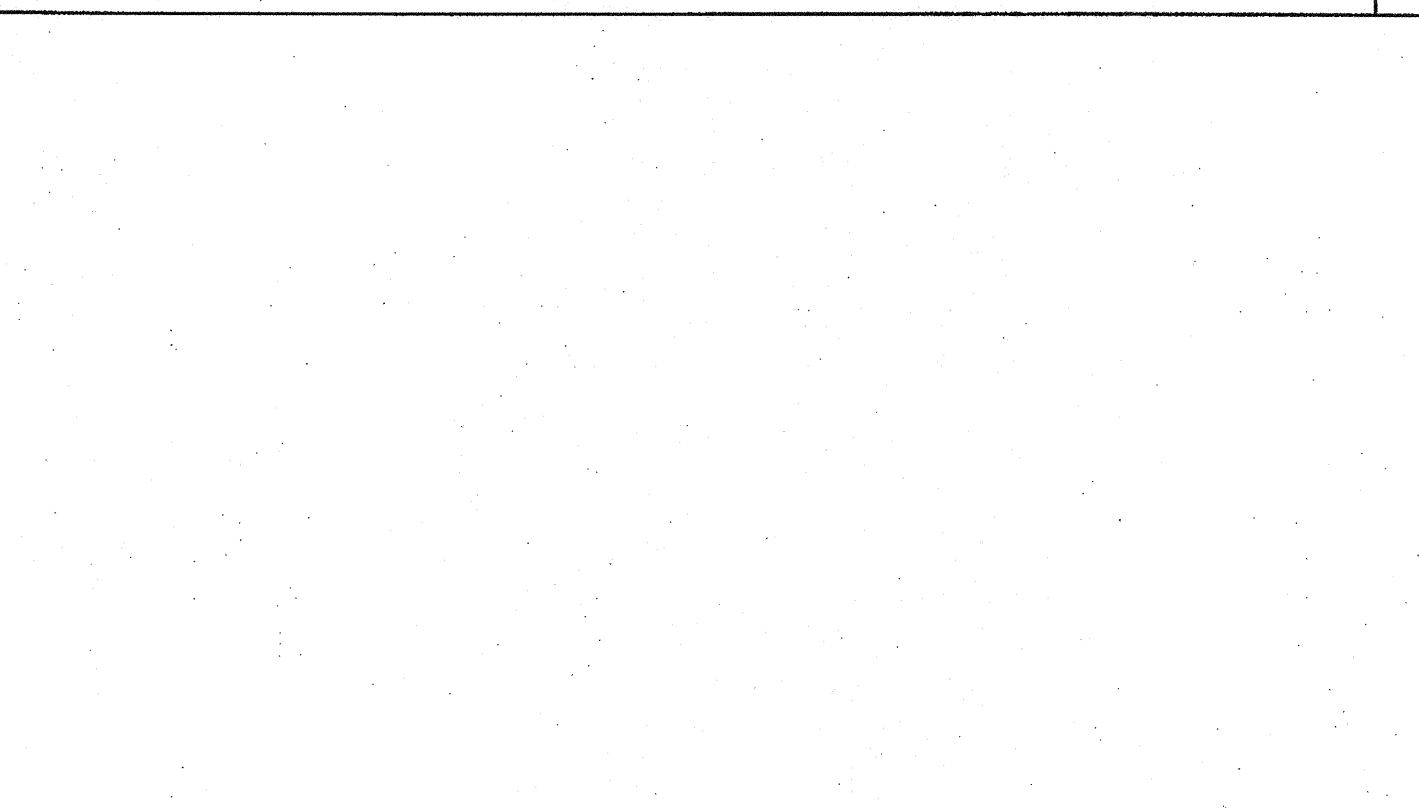
SOFFIT JOIST TO OVERHANG BEAM SCALE: 3" = 1'-0" 1



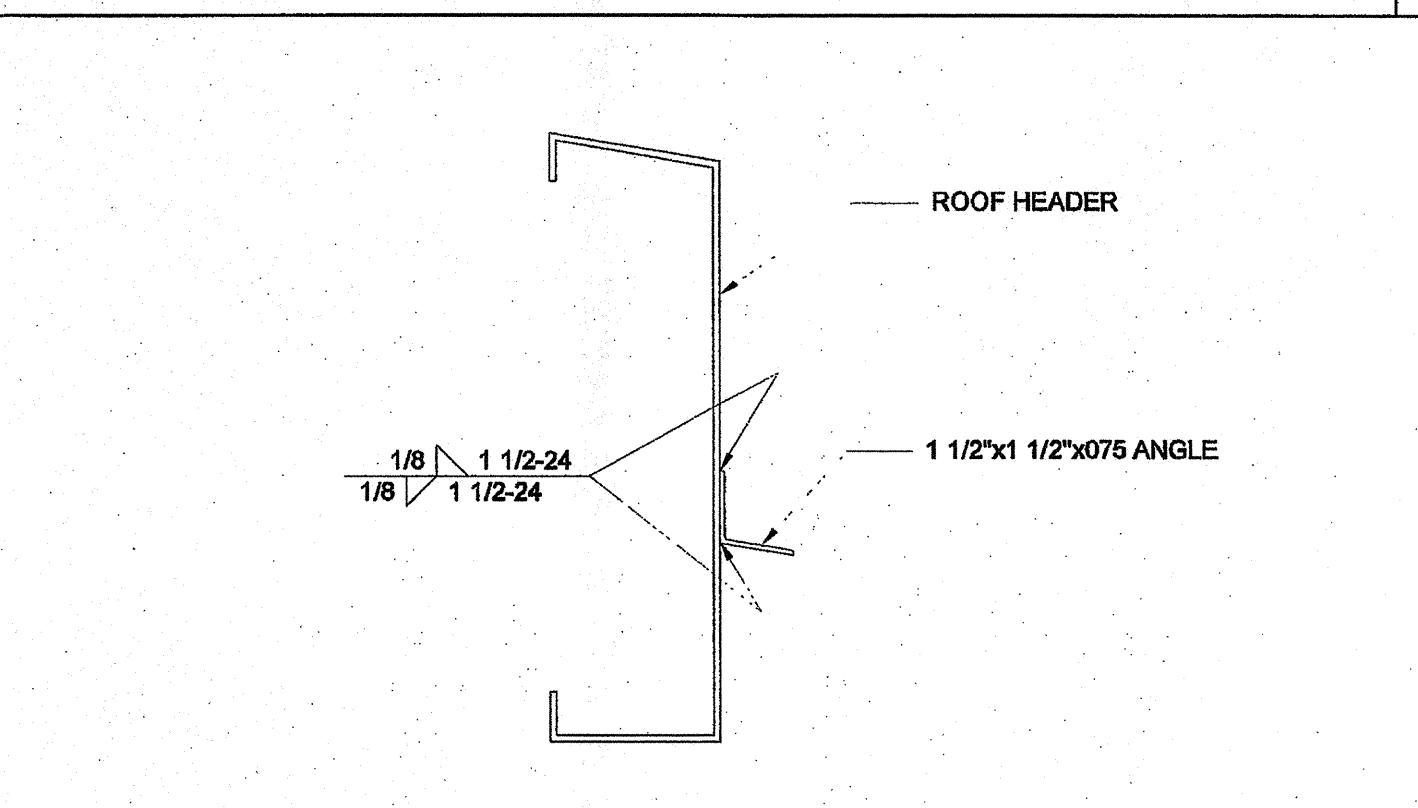
TUBULAR SKYLIGHT DIFFUSER SECTION SCALE: 1" = 1'-0" 17



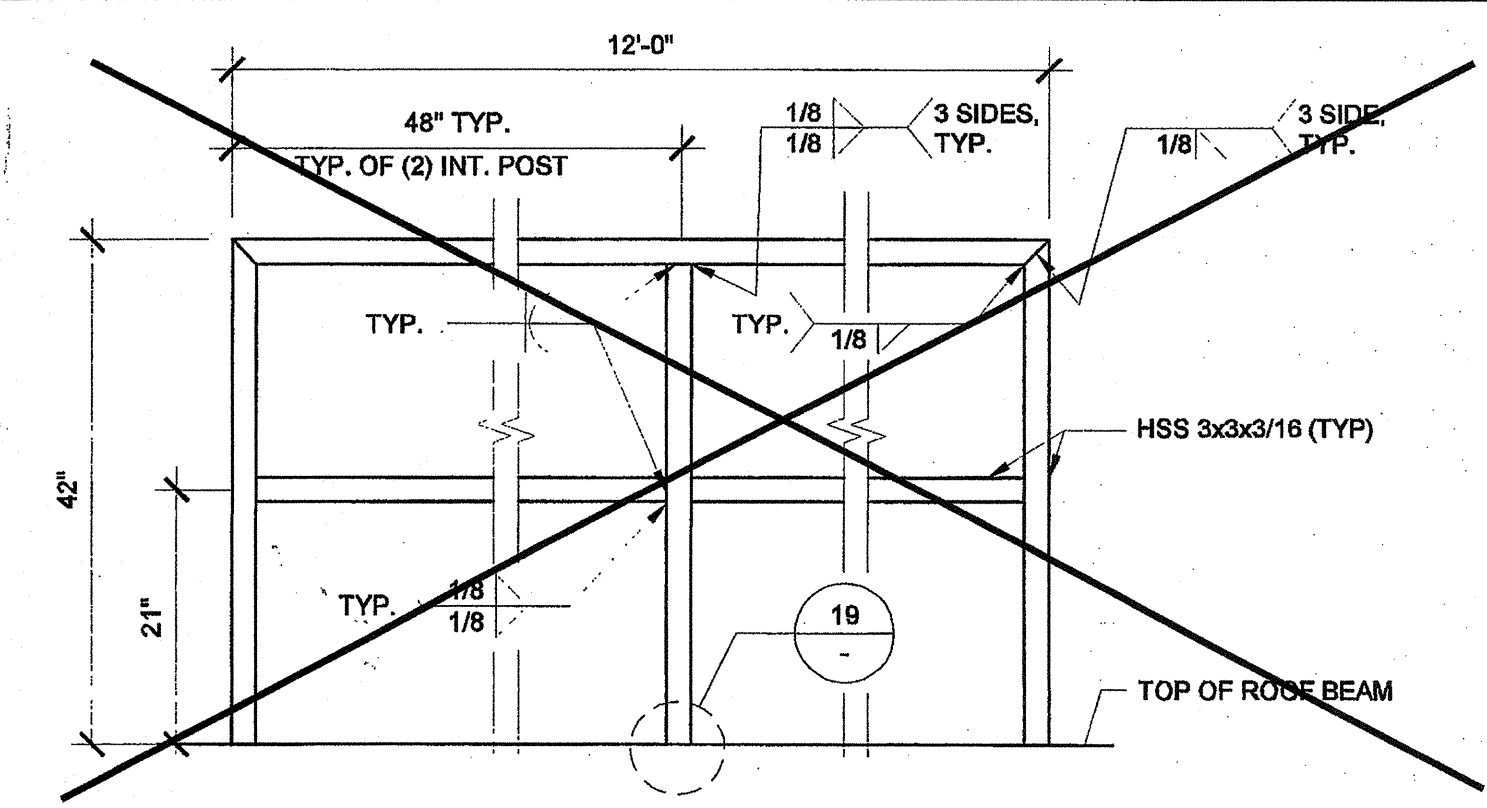
FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0" 12



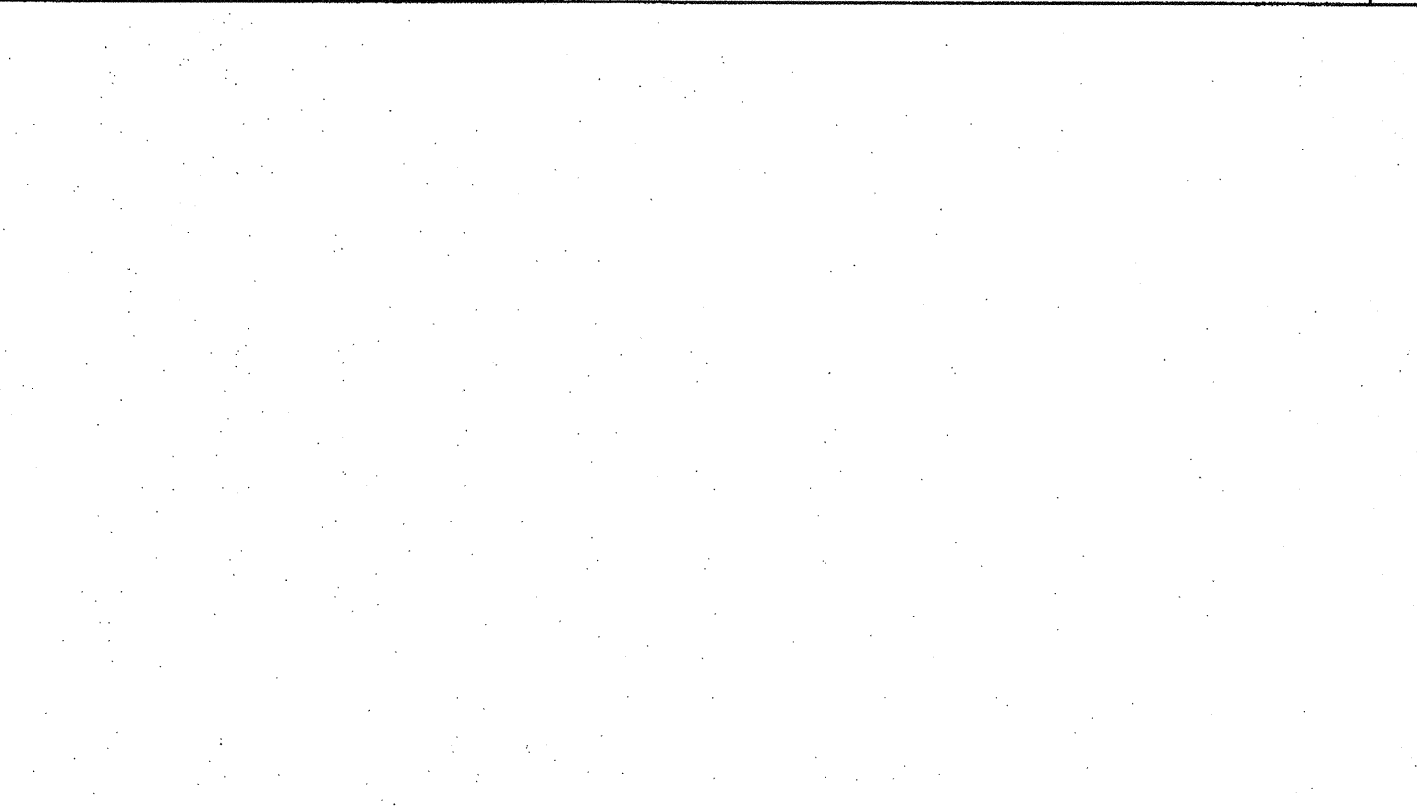
SOFFIT ANGLE TO HEADER CONNECTION SCALE: 3" = 1'-0" 2



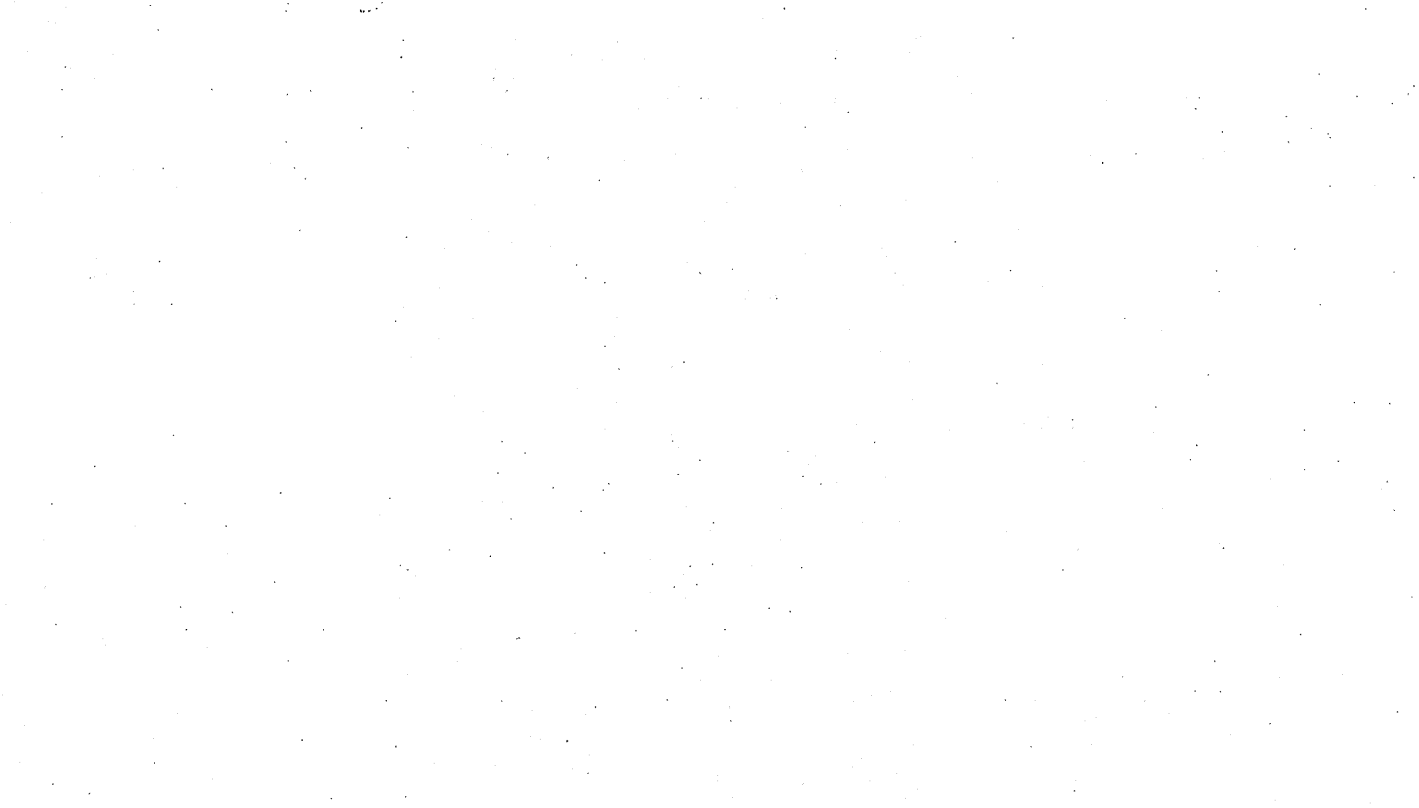
OVERHANG FASCIA TO BEAM CONNECTION SCALE: 6" = 1'-0" 3



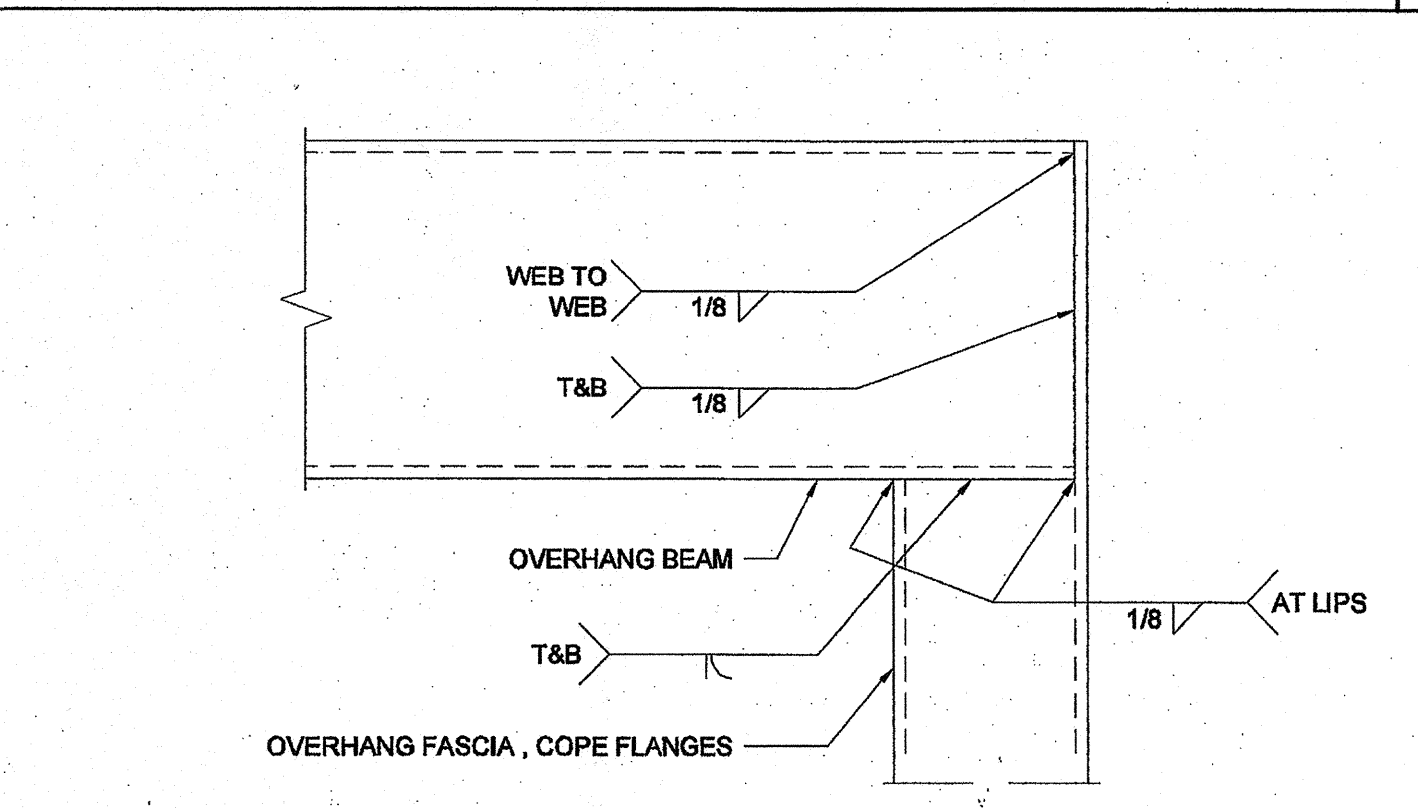
GUARDRAIL AT SIDEWALL SCALE: 3" = 1'-0" 18



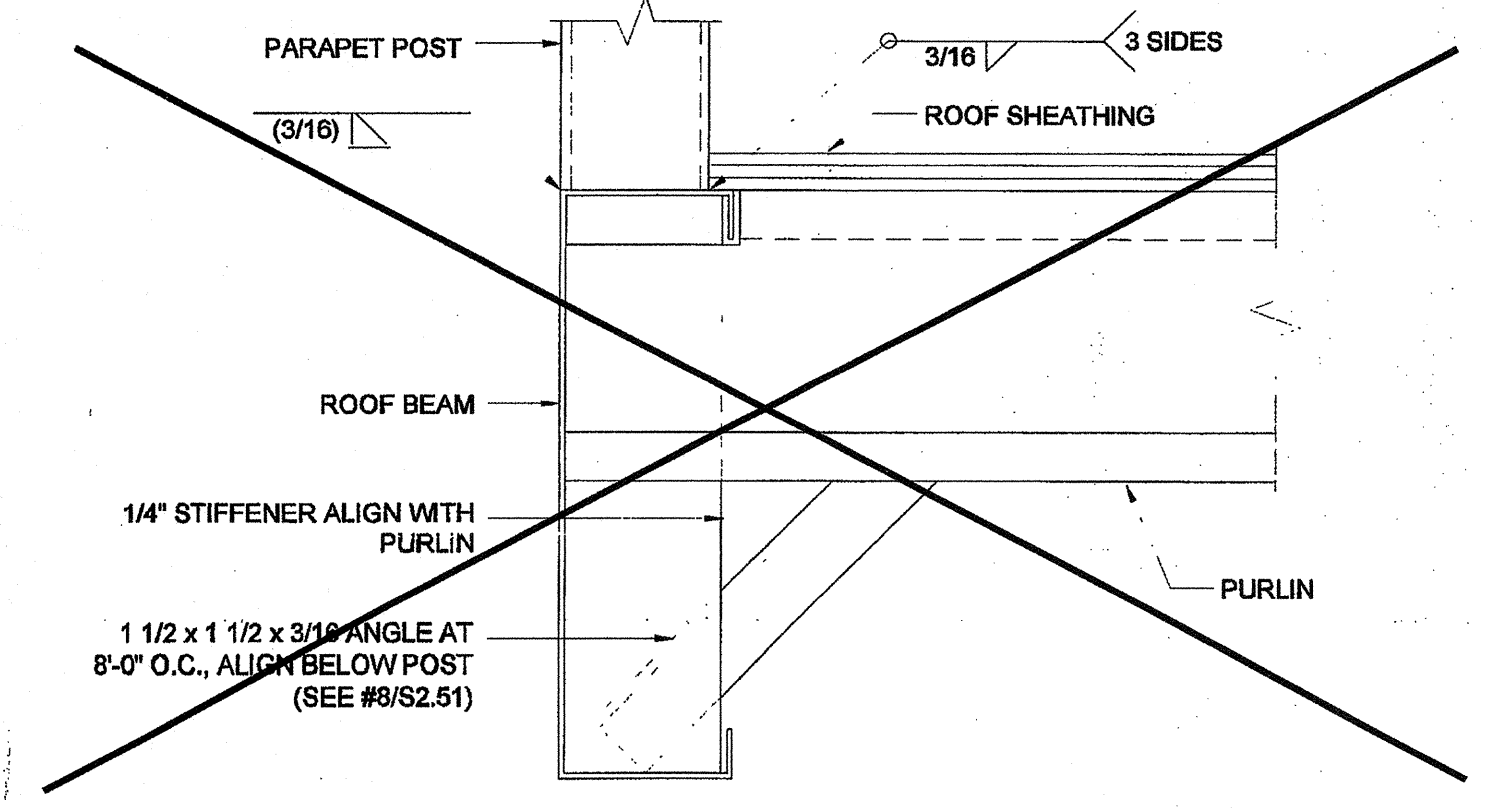
TUBE STEEL TO BEAM AT SIDEWALL SCALE: 3" = 1'-0" 19



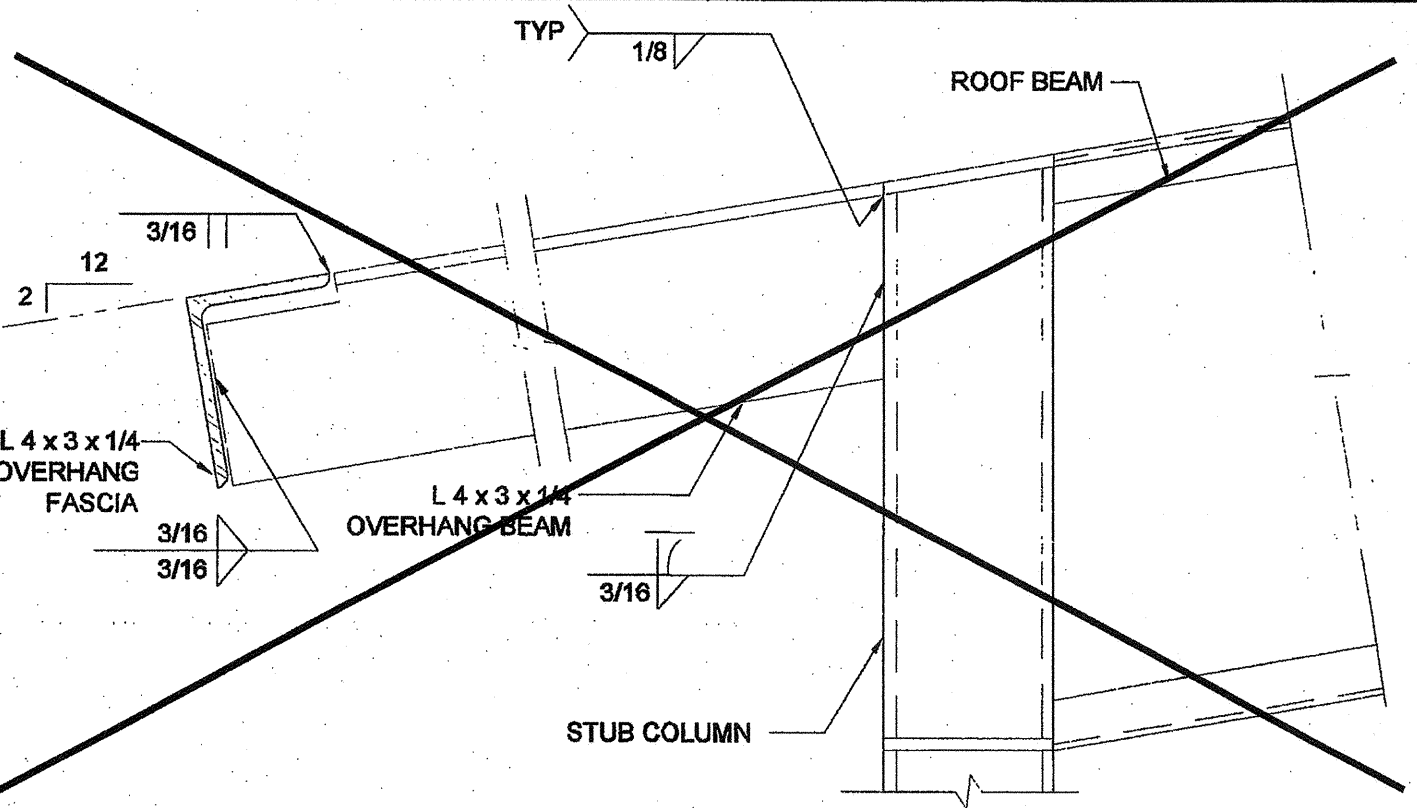
5'-0" ROOF OVERHANG AT .030 ROOF SCALE: 3" = 1'-0" 14



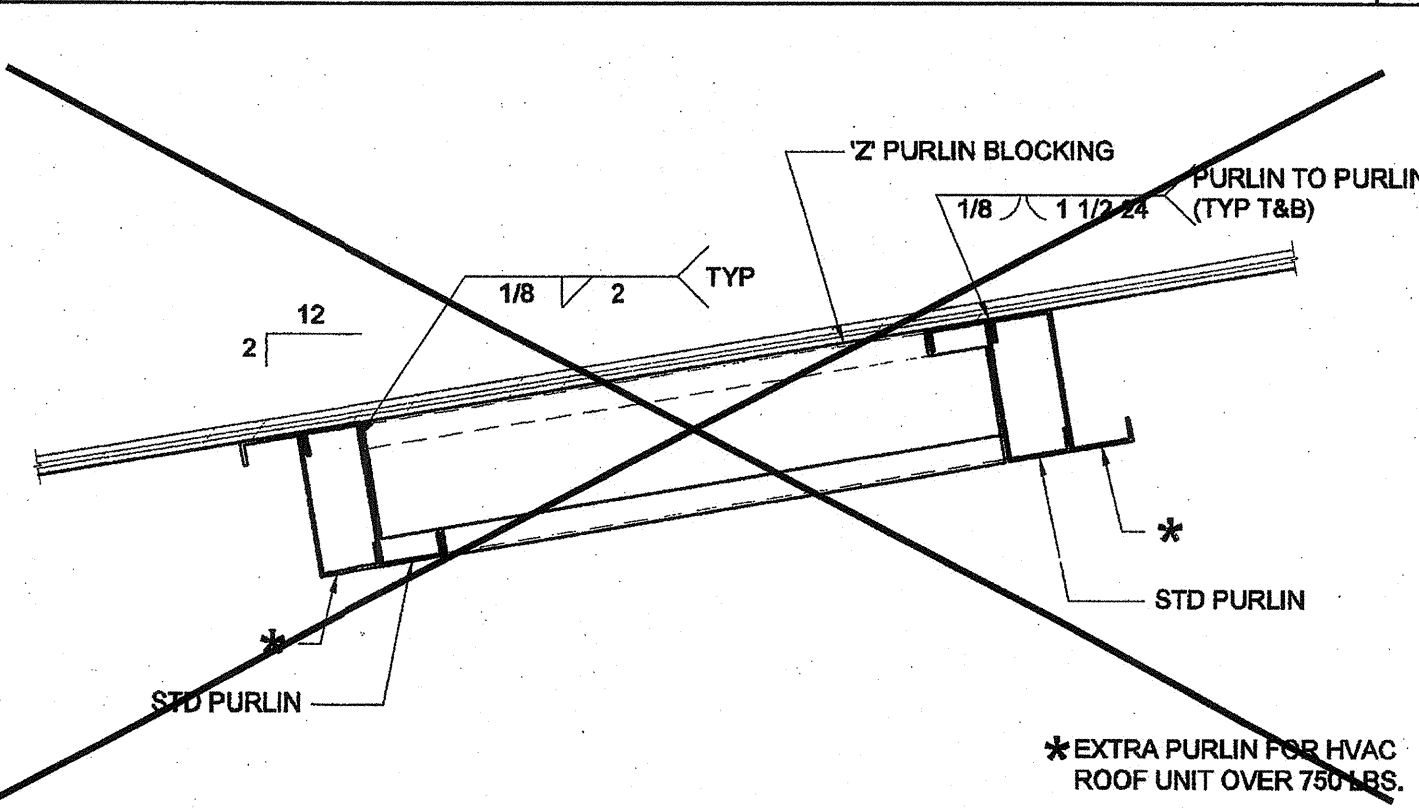
DOUBLE PURLINS AT HVAC SCALE: 1 1/2" = 1'-0" 9



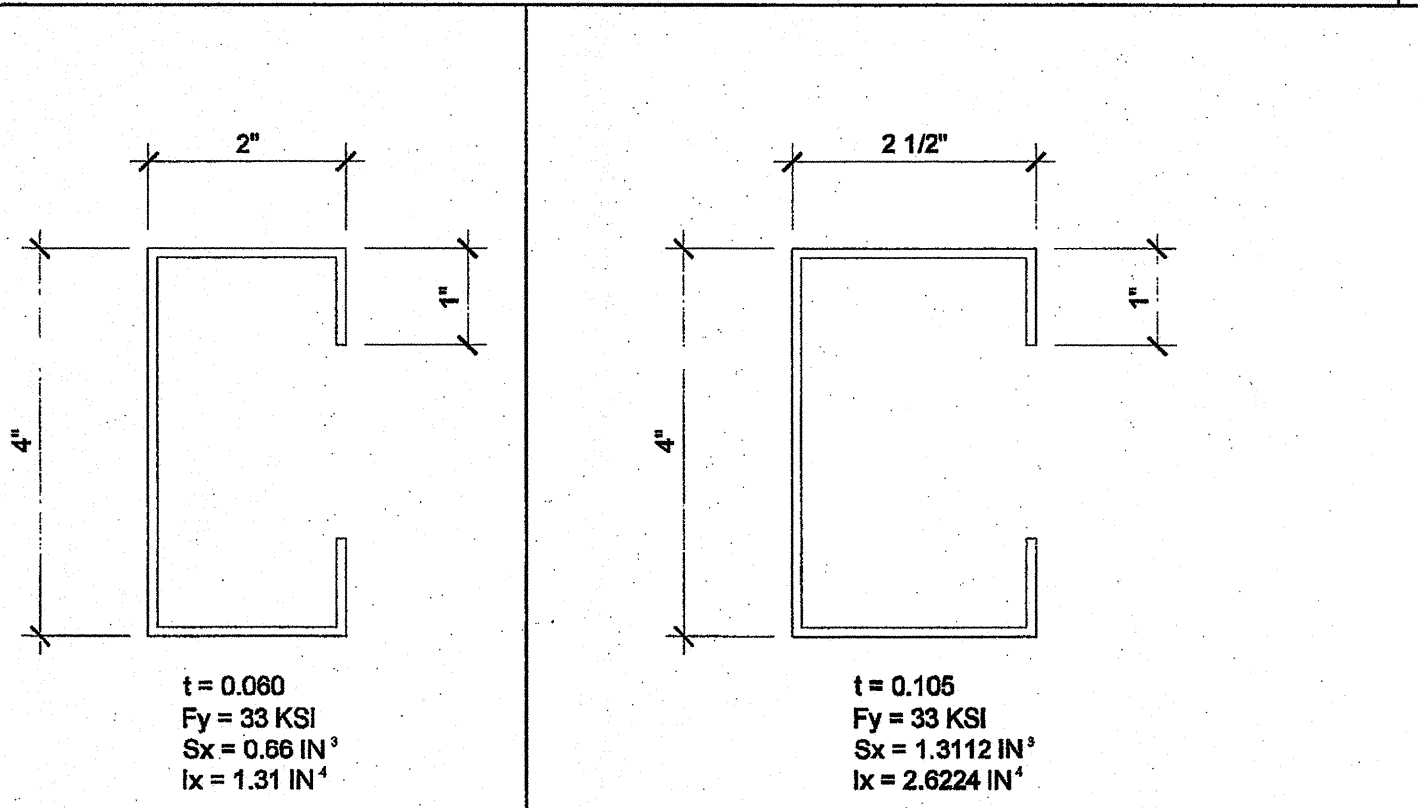
5'-0" ROOF OVERHANG AT .030 ROOF SCALE: 3" = 1'-0" 20



OVERHANG SUPPORT TO ROOF HDR @ STIFFENER SCALE: 3" = 1'-0" 10



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



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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
SILVER CREEK  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:  
ROOF FRAMING  
DETAILS

TAVARES ASSOCIATES  
DESIGN AND CONSULTING ARCHITECTS  
1000 N. BURNBANK RD. SUITE 200  
SAN DIEGO, CA 92108  
WWW.TAVARES-ASSOCIATES.COM

DAVID S. SHIVELY  
C-39467  
REN 01-31-2017  
STATE OF CALIFORNIA

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-118284-1  
AC ☒ FLS ☒ SS ☒  
DATE MAY 18 2017

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04-116284-1  
AC ☒ FLS ☒ SS ☒  
DATE MAY 18 2017

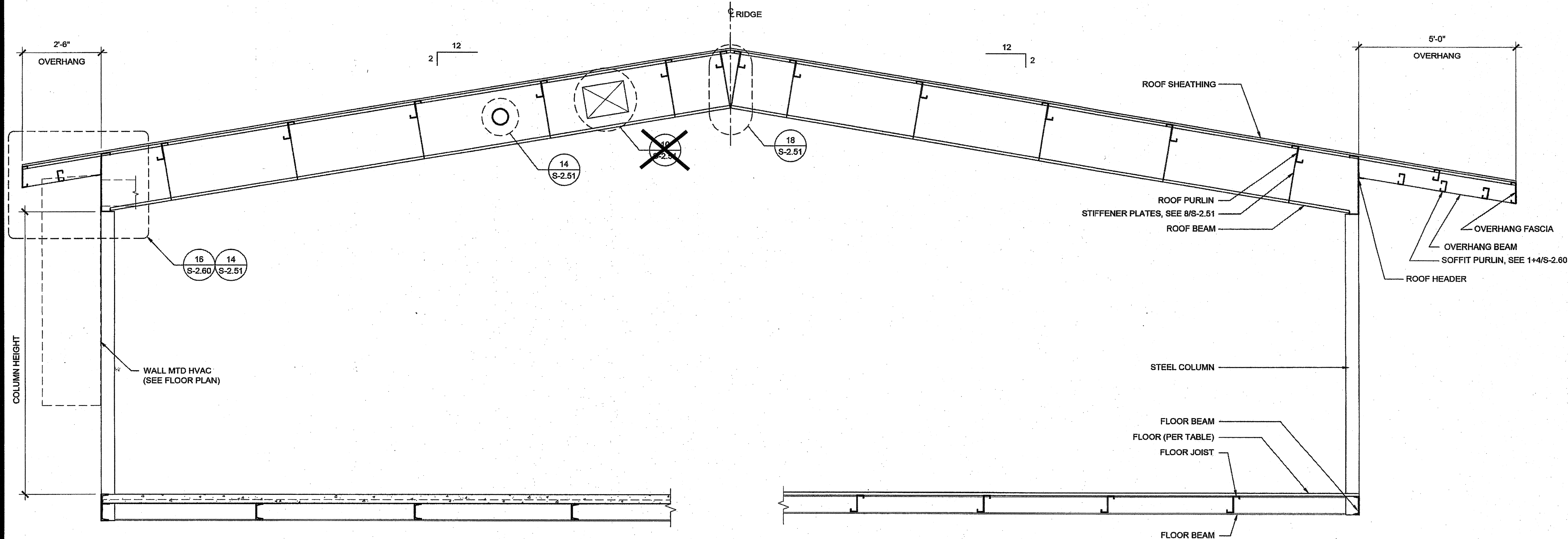
ORIGINAL PC STATE AGENCY APPROVAL  
PRECHECK (PG) DOCUMENT  
CORE 2015 GRC  
DATE OF REVIEW  
DATE OF CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC ☒ FLS ☒ SS ☒  
DATE AUG - 4 2015

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER  
S-2.60

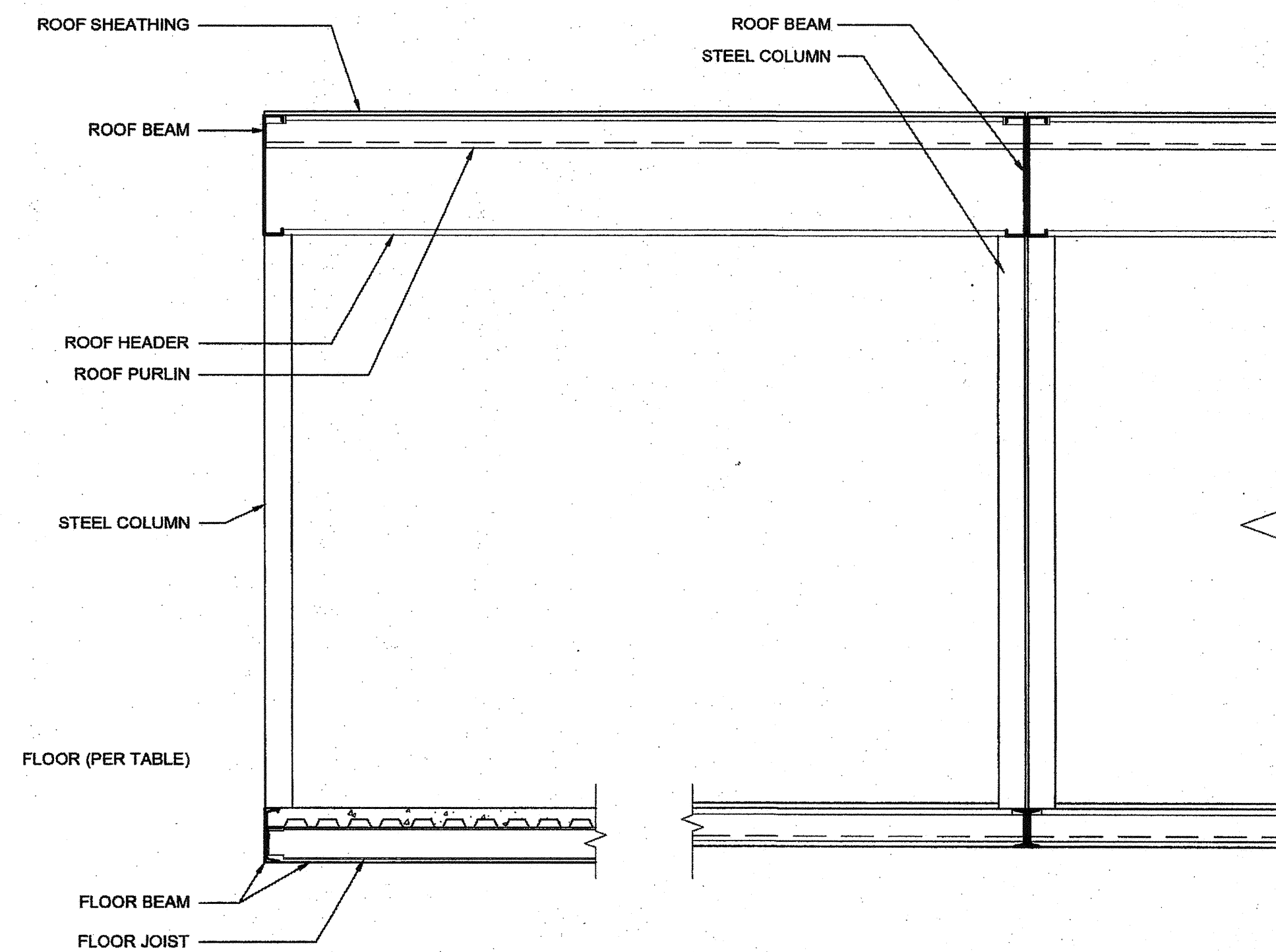




BUILDING SECTION

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

1

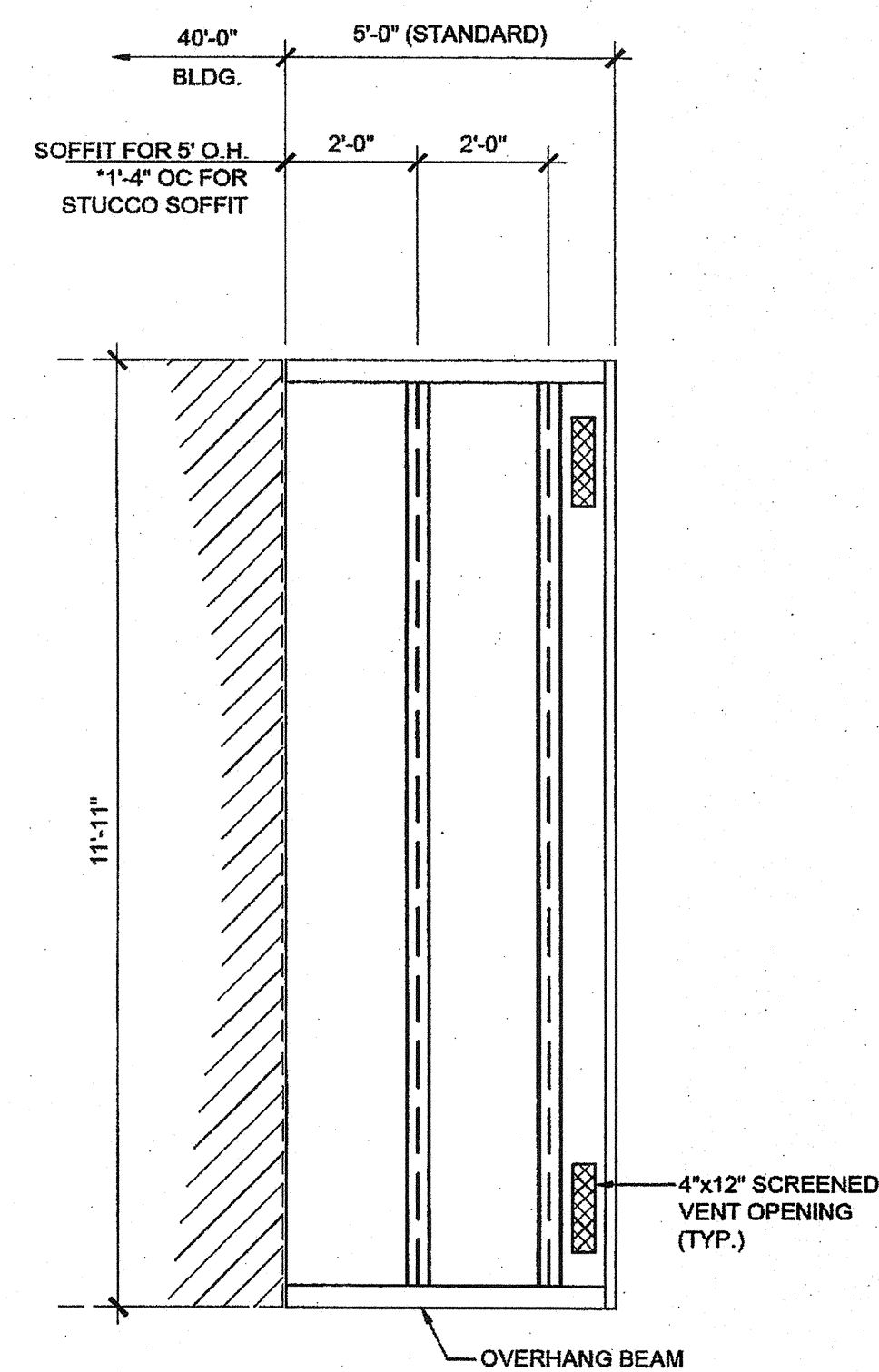


BUILDING SECTION

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

3

ENCL. SOFFIT PLAN-OPT.



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

2

## NOTES

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

## FLOOR CONSTRUCTION

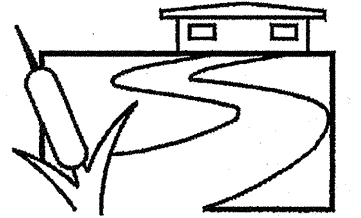
- ☒ WOOD FLOOR  
☐ CONCRETE FLOOR

## HSS COLUMN SCHEDULE

COLUMN HEIGHT	OPT -12" SIDE OH	STD WALL W/ METAL ROOF	STD WALL W/ BUILT UP	PLASTER WALL W/ METAL ROOF OR B.U.
<input checked="" type="checkbox"/> 9'-0" STD	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4
<input type="checkbox"/> 9'-6" STD	<input type="checkbox"/> YES	<input type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4
<input type="checkbox"/> 9'-0" SNOW	N/A	<input type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4
<input type="checkbox"/> 9'-6" SNOW	N/A	<input type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 5 x 5 x 1/4

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.



**SILVER CREEK**

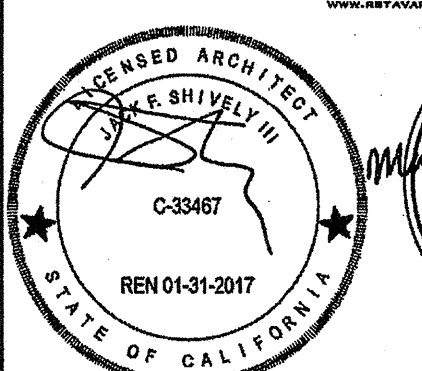
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**24x40 STOCKPILE  
OFFICE BUILDING**

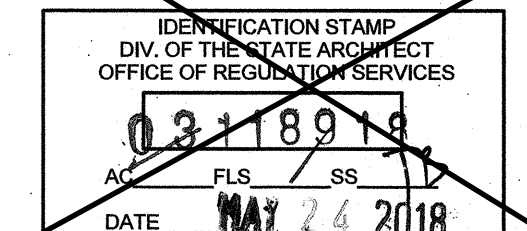
SHEET TITLE:

**BUILDING SECTIONS  
0.018" DUAL SLOPE**

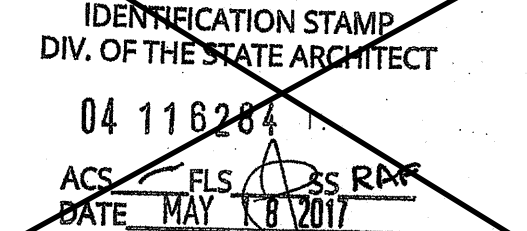


06/15/15

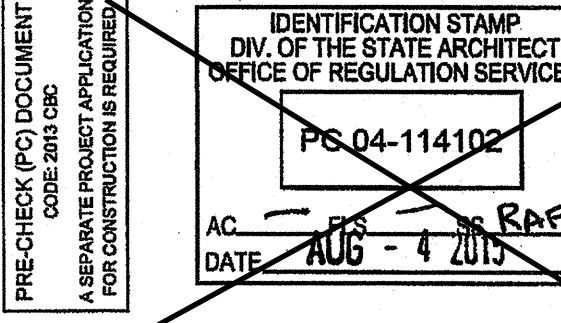
AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL

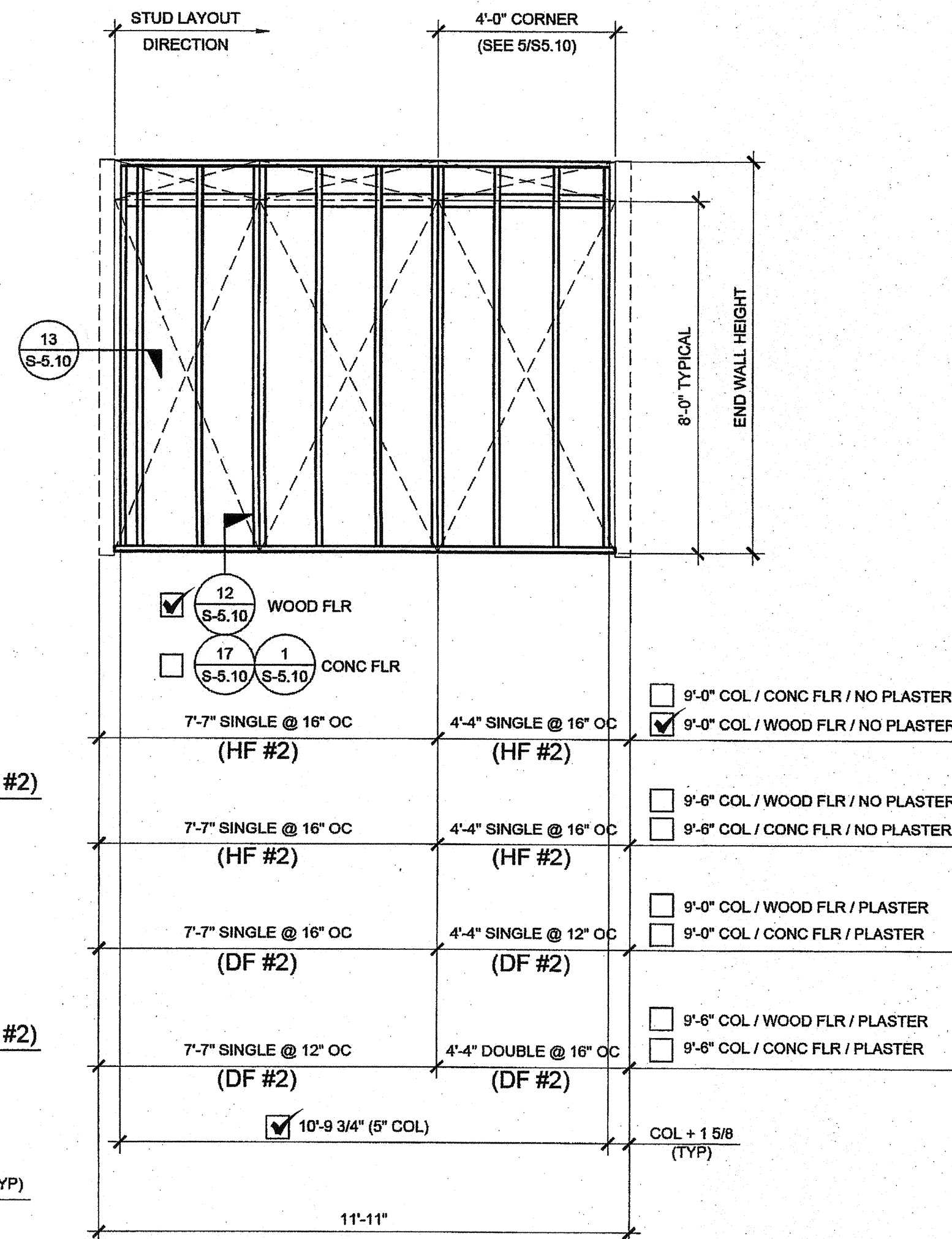


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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER

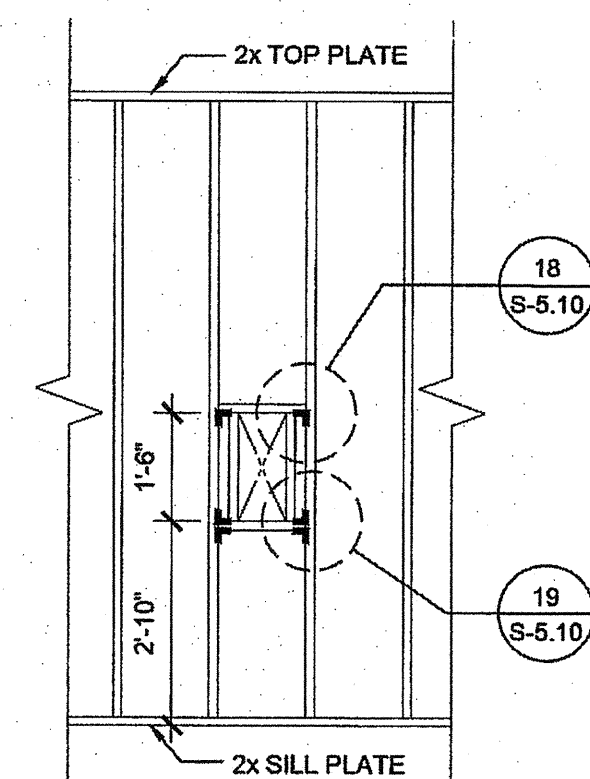
**S-3.02**



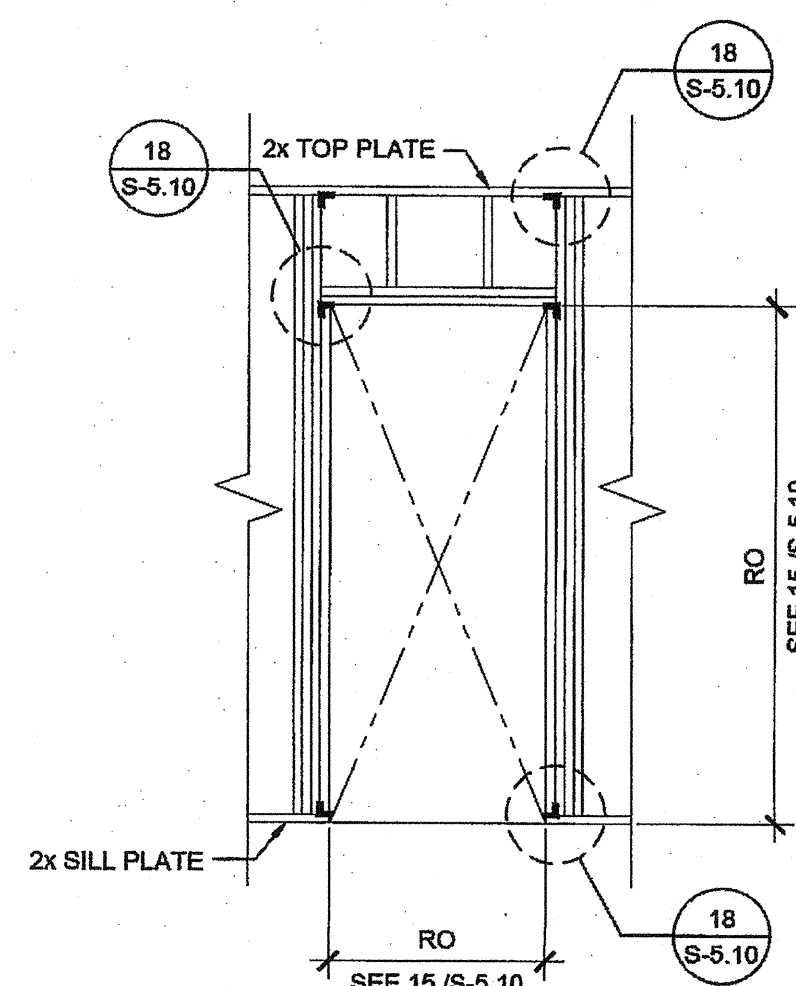


### TYPICAL END WALL

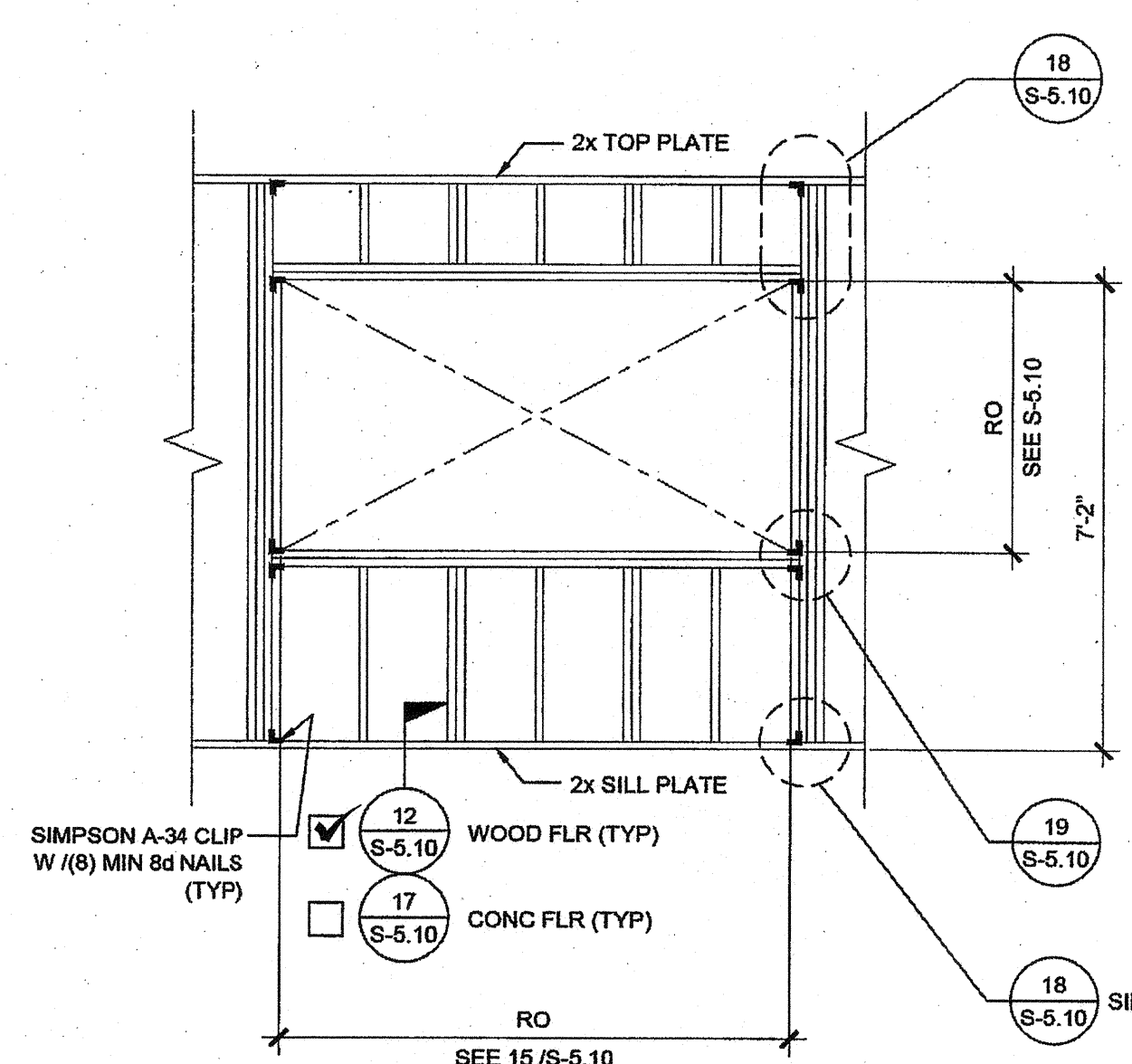
**NOTE:**  
2x6 @ 16" O.C. WALL FRAMING TO BE USED  
WHEN PLASTER OPTION IS TAKEN, 2x4  
PLASTER OPTIONS SHOWN ARE OPTIONAL



## FIRE EXTINGUISHER CABINET BLOCKOUT



## TYPICAL DOOR



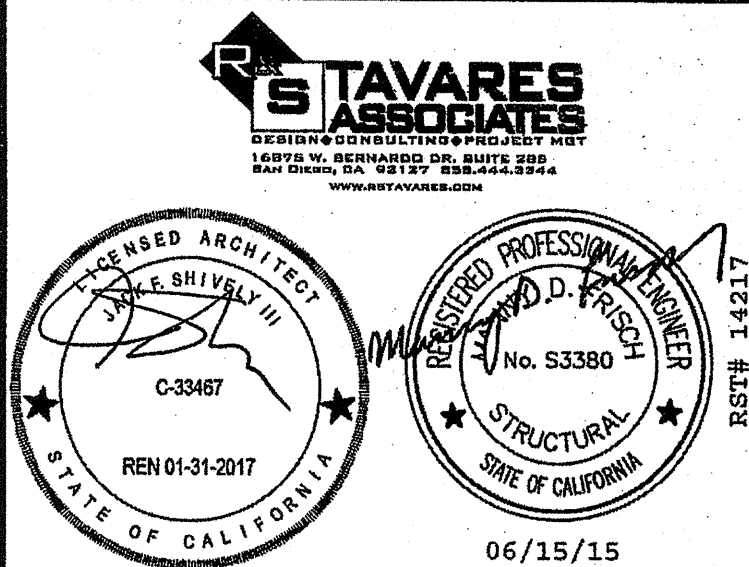
## TYPICAL WINDOW

2x6 WOOD STUDS HF#2 OR DF#2 @ 16" O.C. - ALL SCENARIOS  
2x8 WOOD STUDS HF#2 OR DF#2 @ 16" O.C. - ALL SCENARIOS

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

24x40 STOCKPILE  
OFFICE BUILDING

# WALL FRAMING ELEVATIONS WOOD STUDS



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118918  
AC FLS SS TB  
DATE MAY 24 2018

04 116284  
ACS FLS SS RAF  
DATE MAY 18 2017

PRE-CHIEF (C) DOCUMENT  
CODE: 2014 090  
SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC. — ELS — SS — *RAF*  
DATE AUG - 4 2015

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SILVER CREEK INDUSTRIES

PROJECT NO:

DRAWN BY:

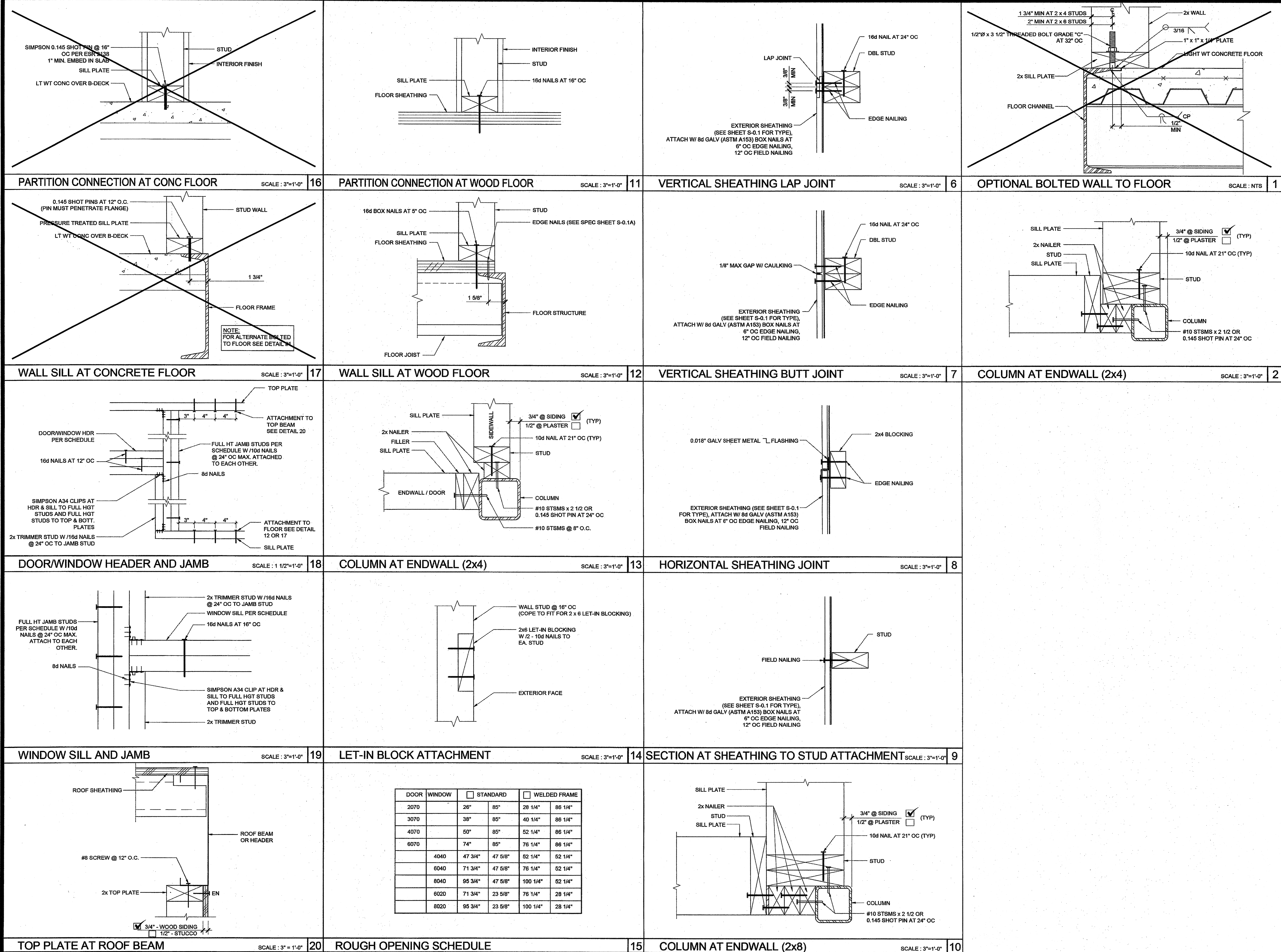
SCALE: AS NOTED

DATE: 01-30-15

P.C. SHEET NUMBER

**S-5.00**





IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
**SILVER CREEK**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE  
OFFICE BUILDING**

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

**TAVARES ASSOCIATES**  
DESIGN CONSULTING PROJECT MGMT.  
1000 N. BURNBURY RD. SUITE 200  
PERRIS, CA 92571  
WWW.TAVARES.COM

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**03118918**  
AC FLS SS  
DATE **MAY 24 2018**

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
**04118284**  
ACS FLS SS  
DATE **MAY 11 2017**

ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECK (PC) DOCUMENT  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**PC 04-114102**  
AC FLS SS  
DATE **AUG 4 2015**

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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15

P.C. SHEET NUMBER  
**S-5.10**

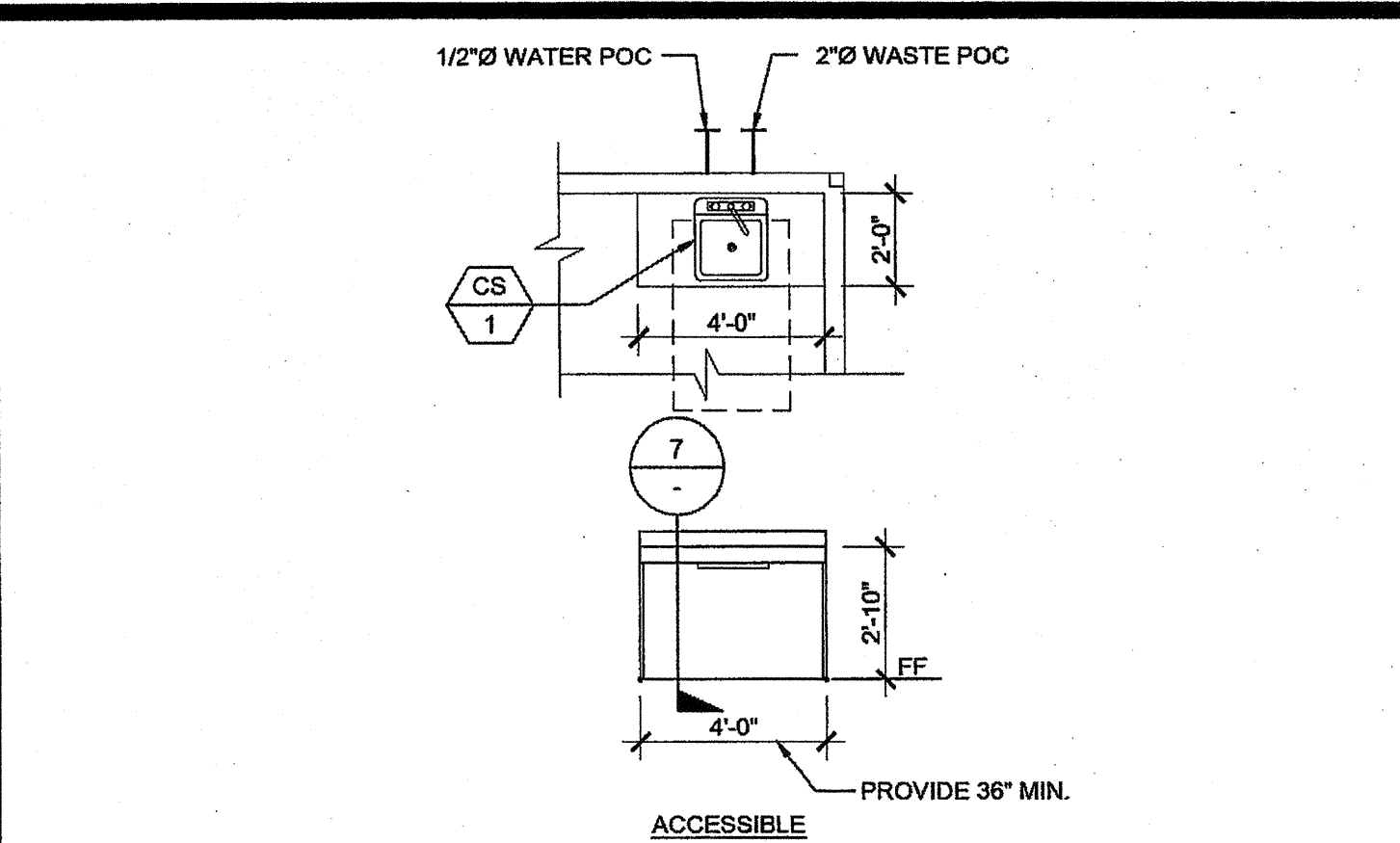




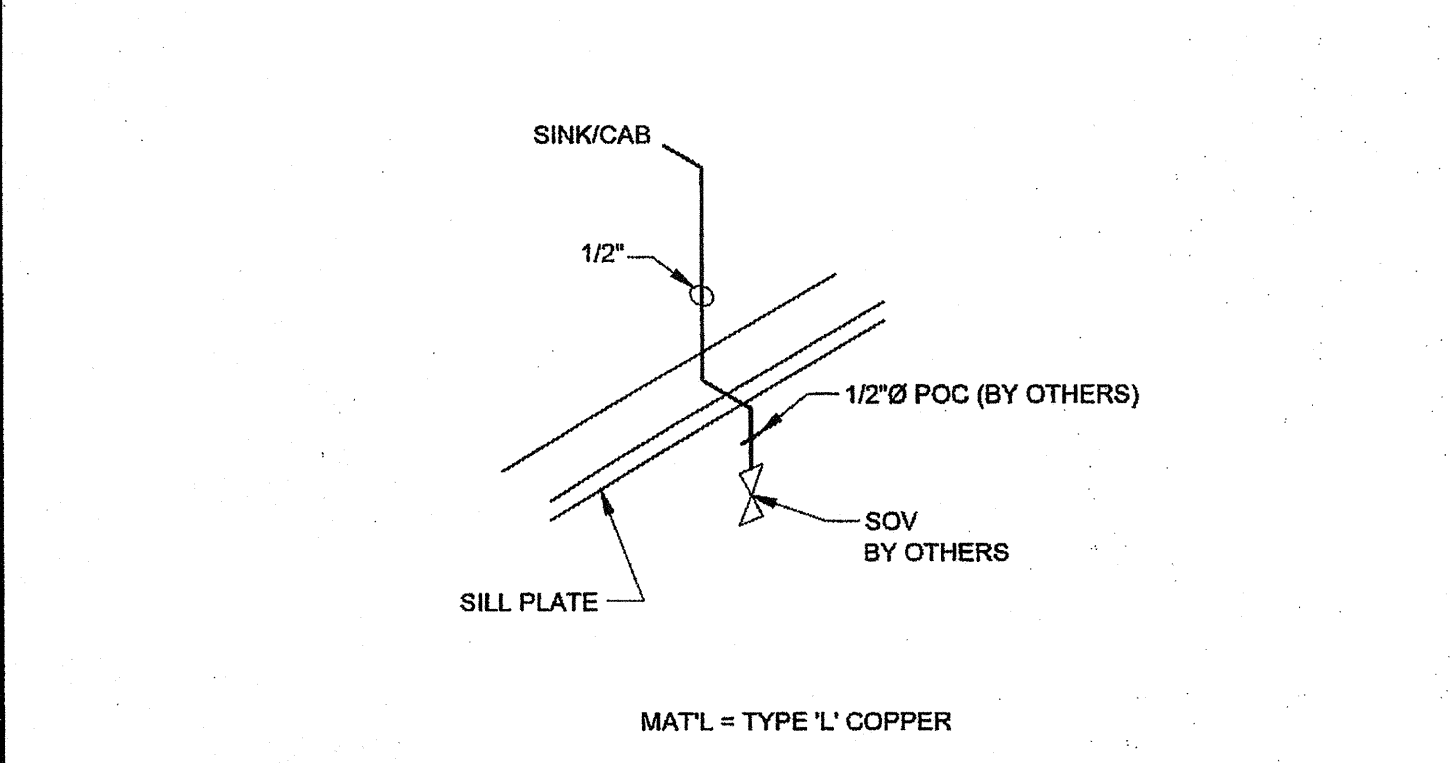




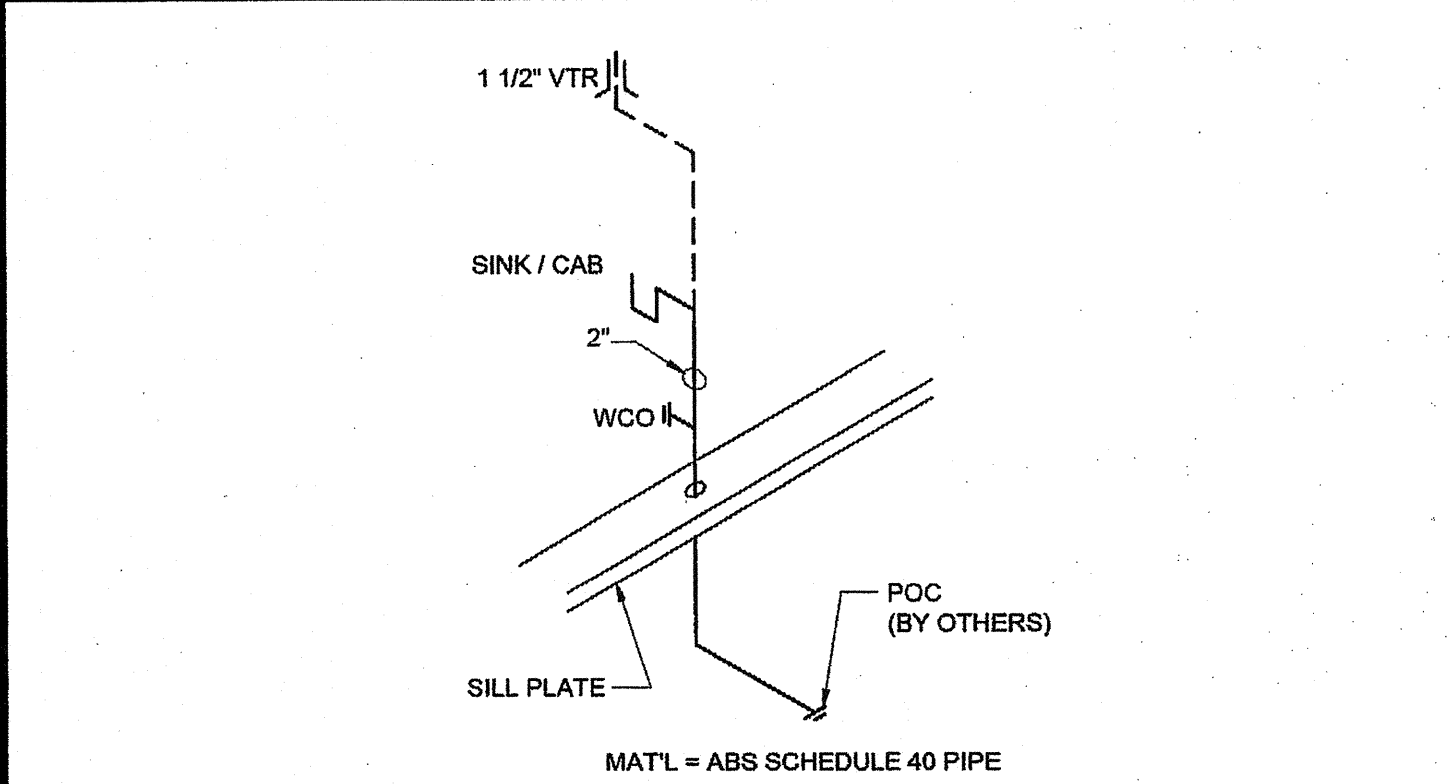




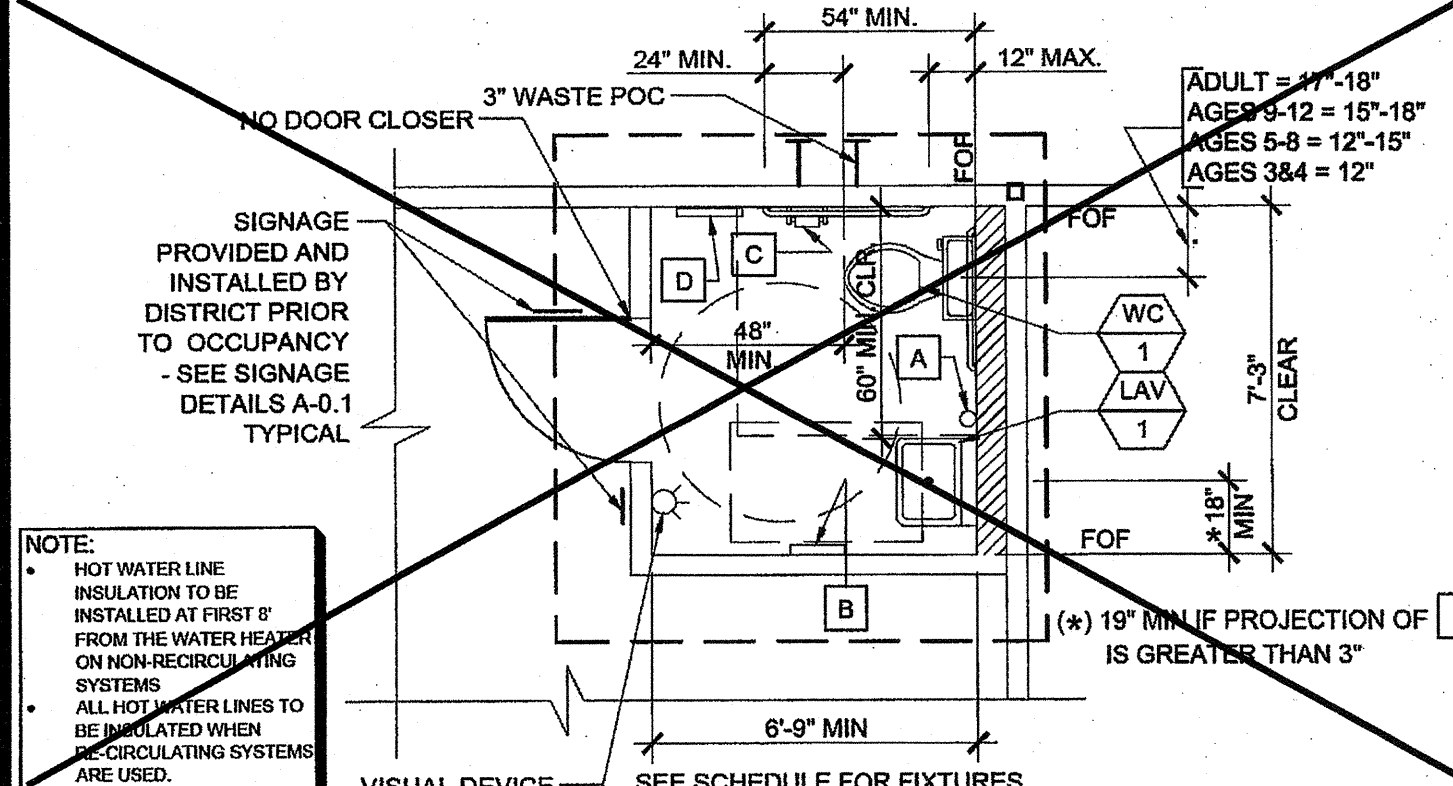
TYPICAL SINK CABINET



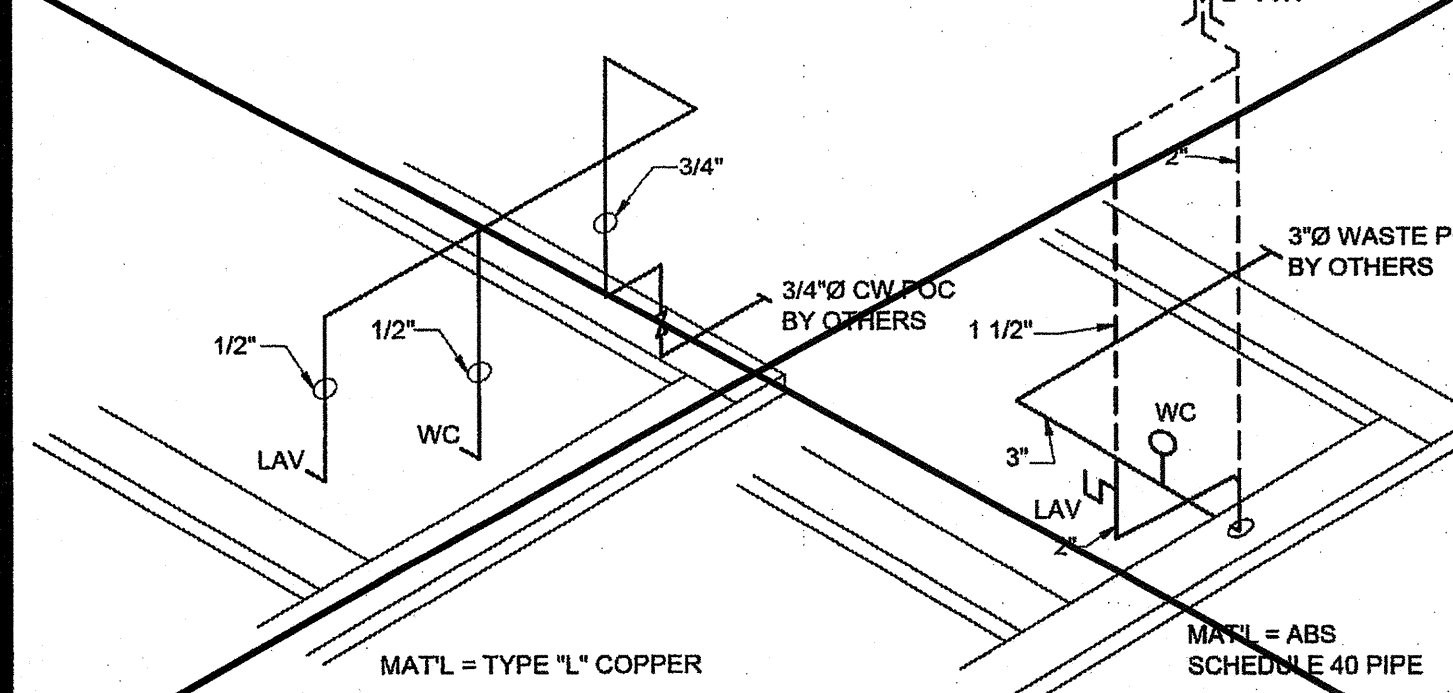
SINK CABINET COLD WATER SUPPLY



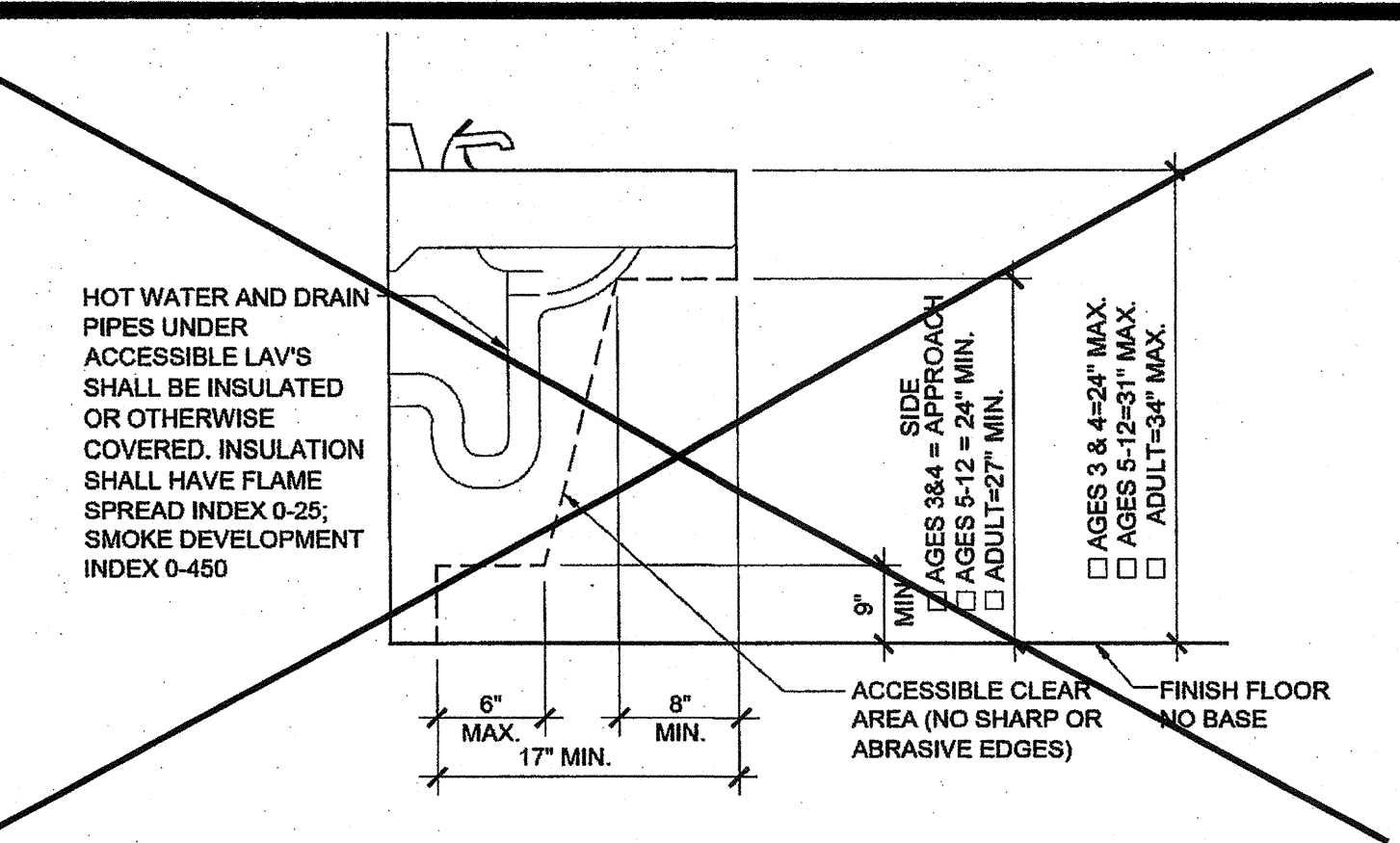
SINK CABINET WASTE



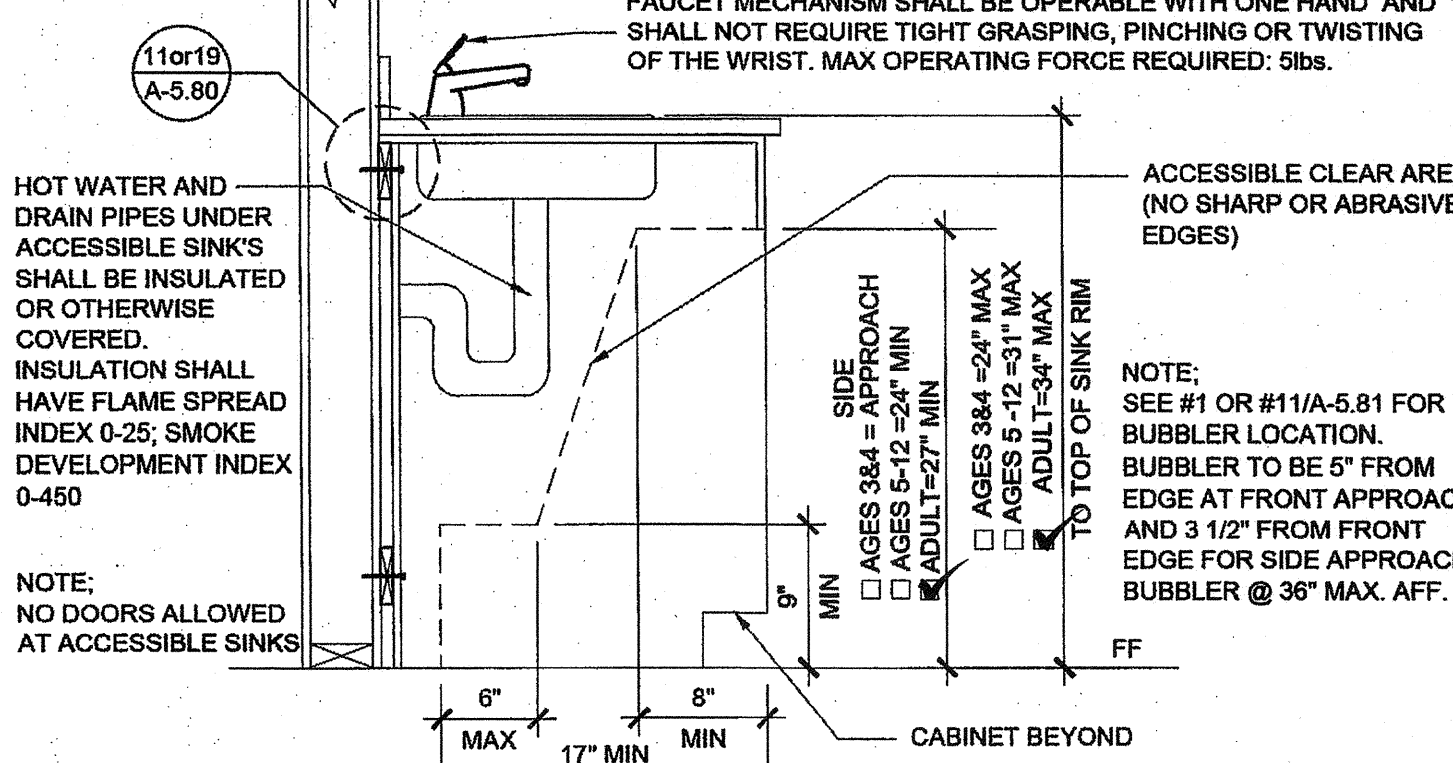
TYPICAL TOILET ROOM PLAN



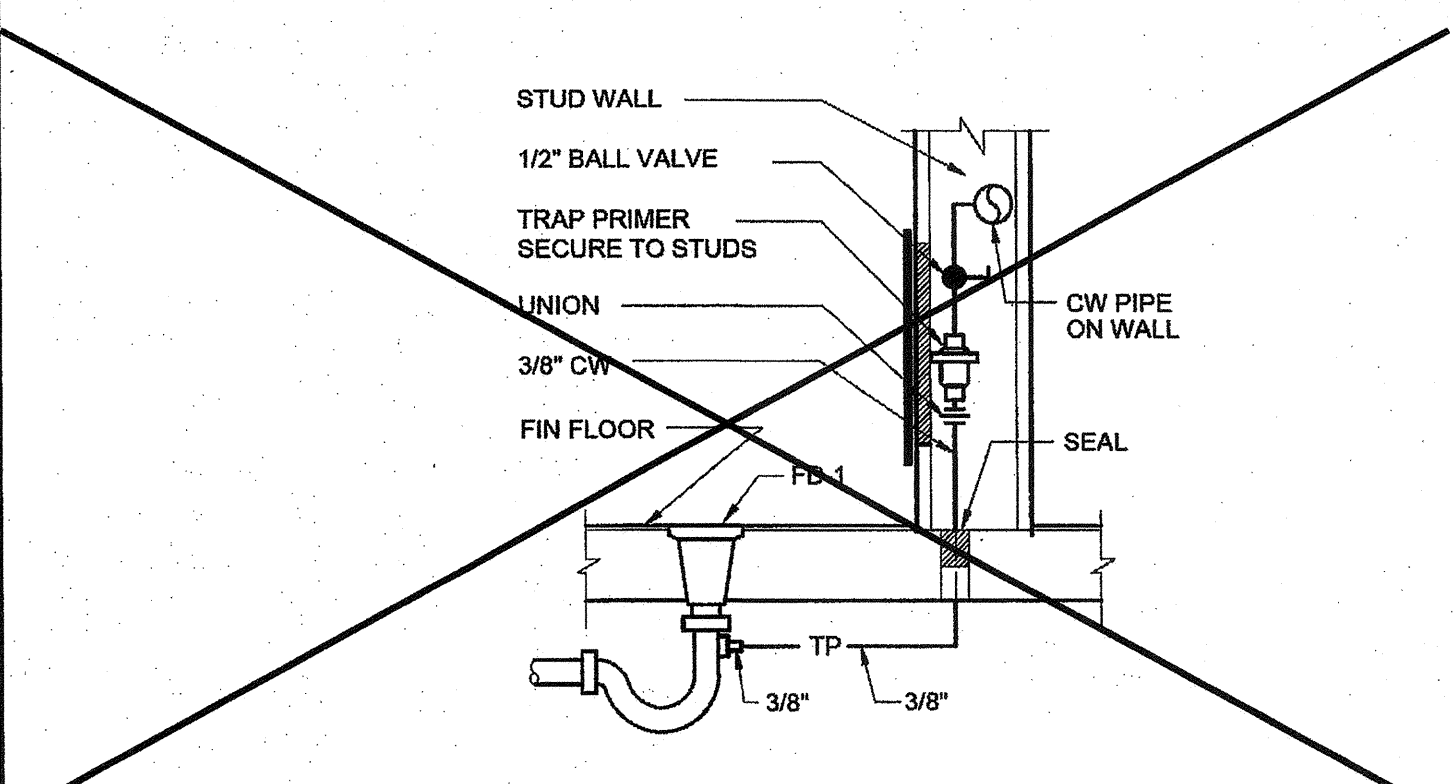
TOILET ROOM COLD WATER SUPPLY AND WASTE



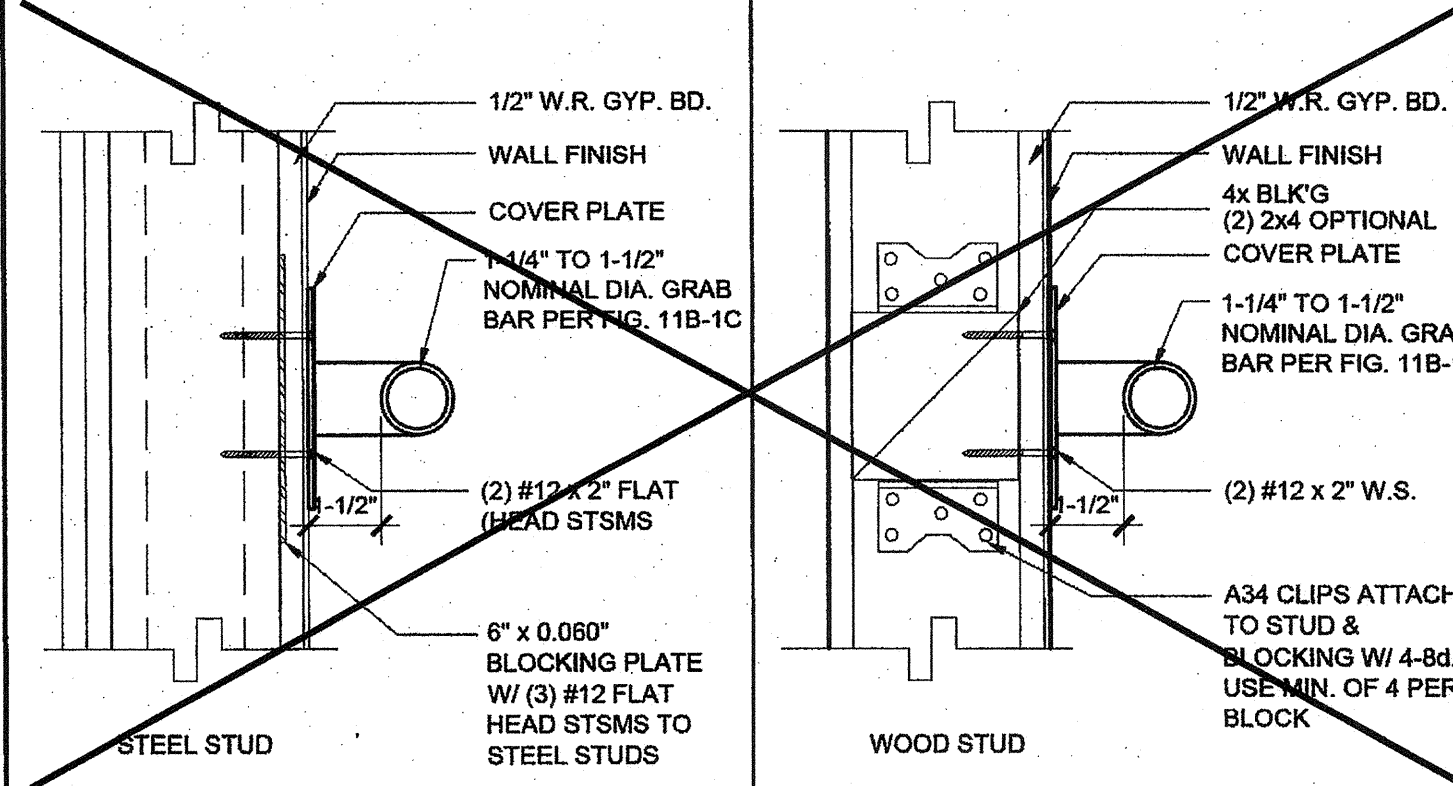
ACCESSIBLE LAV CLEARANCE



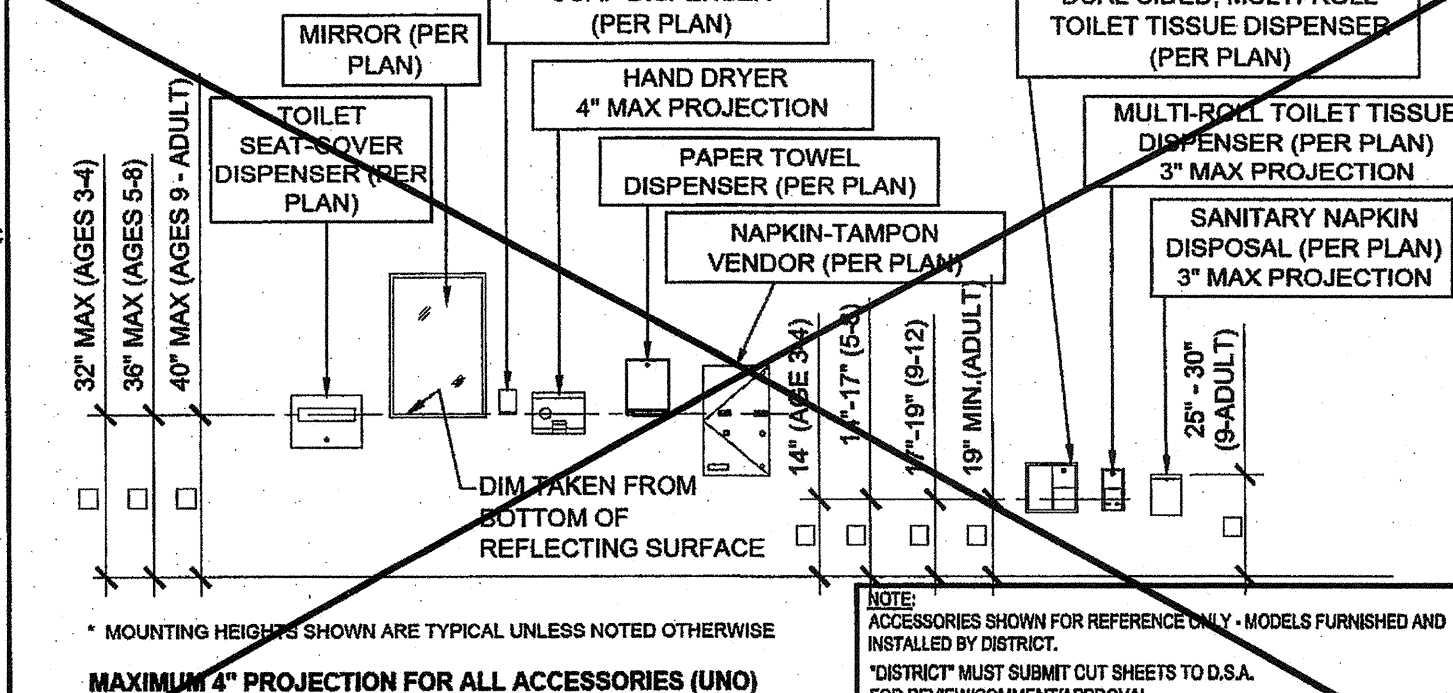
ACCESSIBLE SINK CABINET (OPTION)



TRAP PRIMER TO FLOOR DRAIN



GRAB BAR CONNECTION DETAIL



TOILET ACCESSORIES MOUNTING HEIGHTS

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 WATER CLOSETS 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"	12" - 15"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	12" - 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.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	25" MIN.	25" MIN.	SIDE APPROACH
URNAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX.	15" MIN.
URNAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX.	32" MAX.
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	SIDE APPROACH	SIDE APPROACH	SIDE APPROACH
RAMP/STAIR HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

STANDARD DIMENSIONS

ACCESSIBILITY 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"
URNAL LIP HEIGHT	24"	24"	18"	16"
URNAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

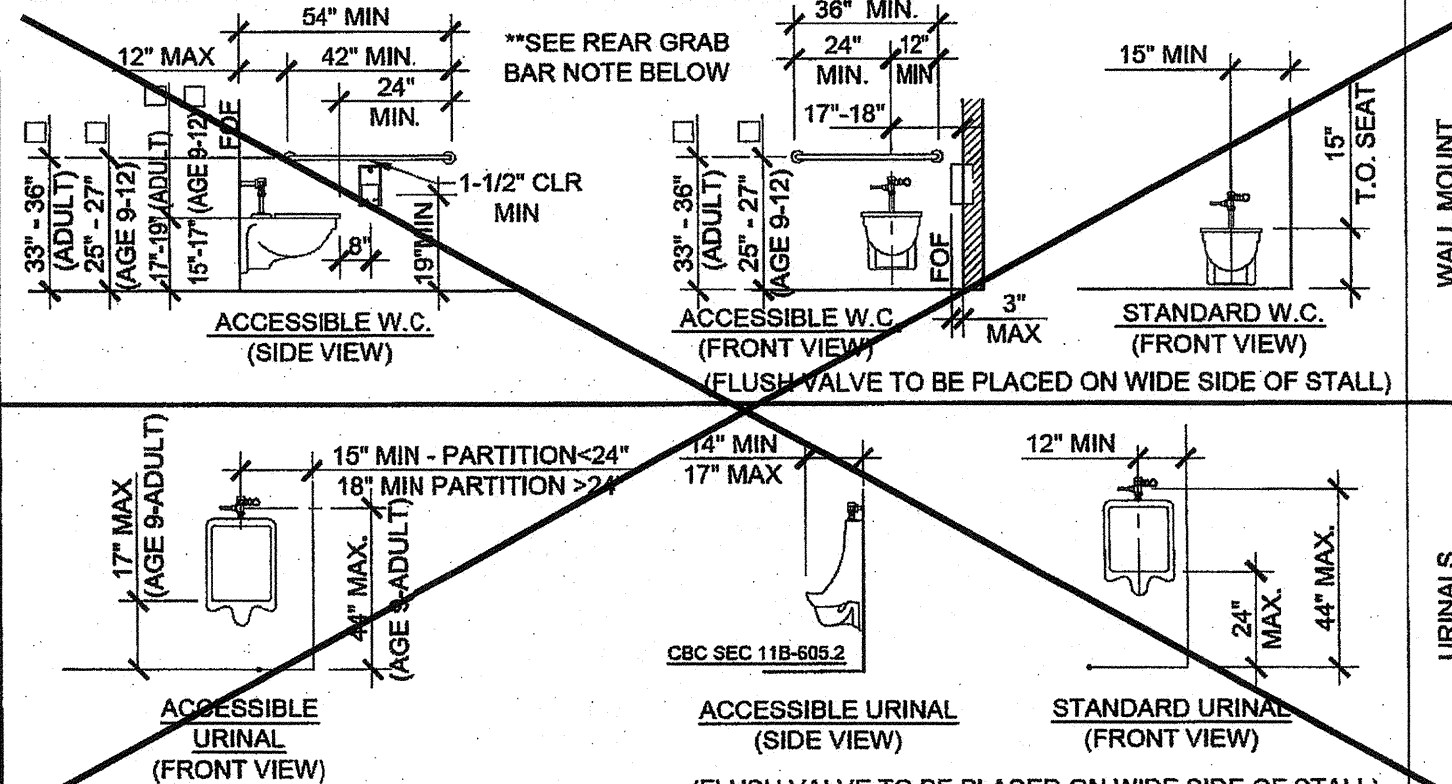
PLUMBING ACCESSORIES (REF. ONLY - MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

A	SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION	D	TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
B	PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION CANNOT ENCRUSCH INTO 30x48 CLEAR SPACE OF FIXTURE	E	TOILET SEAT DISPENSER: SURFACE MOUNTED

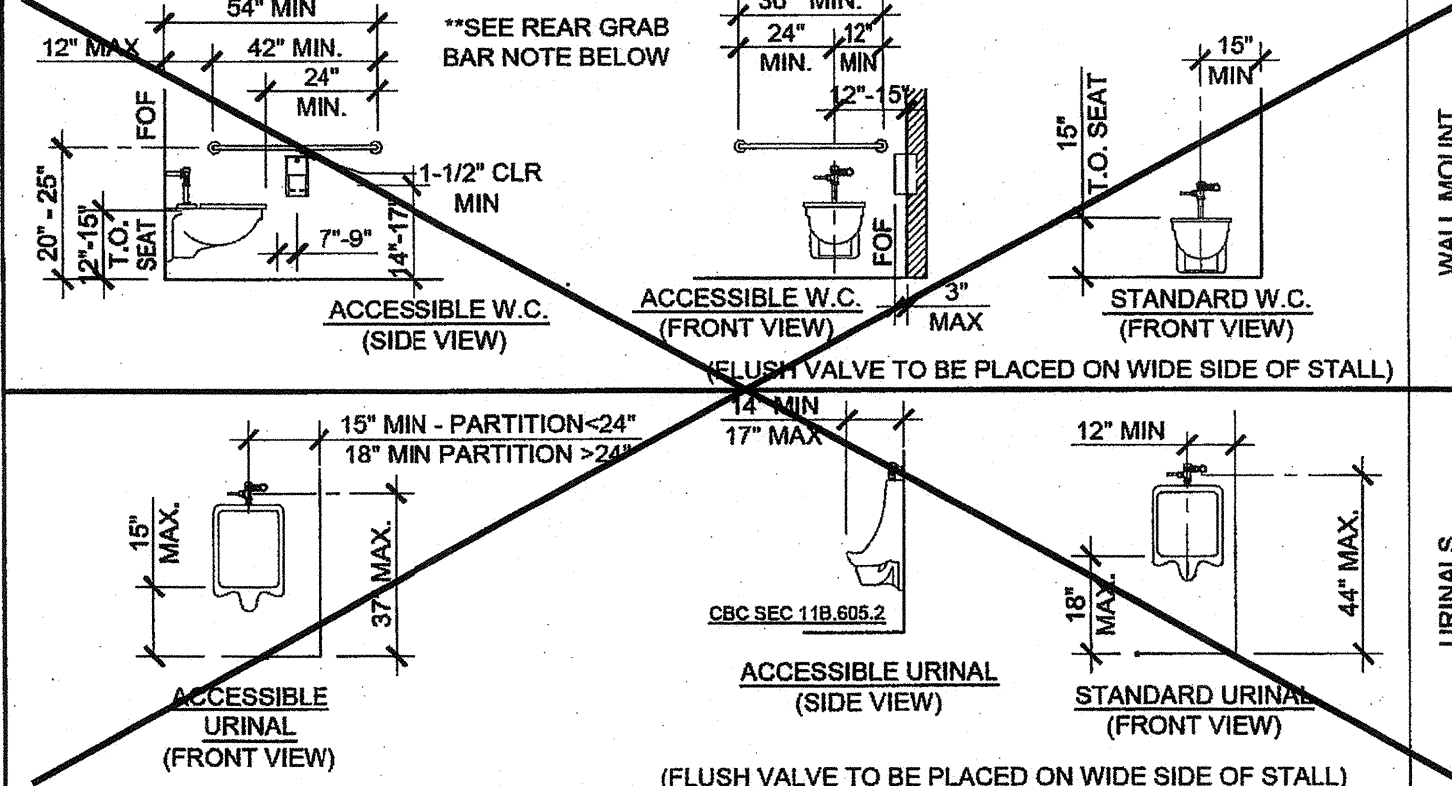
\* 44" MAX. PER CODE  
[A] = ADULT; [E] = AGES 9-12; [K] = AGES 3-8

FIXTURE MOUNTING HEIGHTS

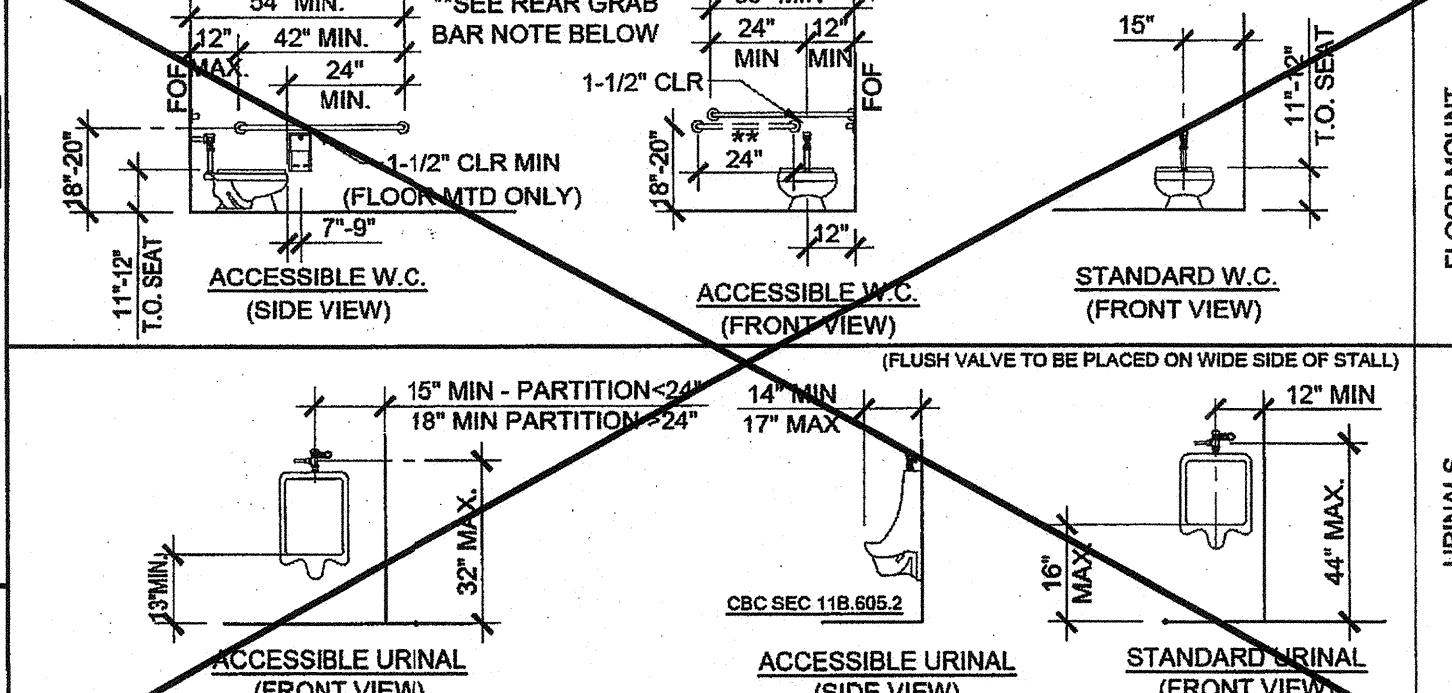
FIXTURE	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)			
	COLD WATER	HOT WATER	WASTE	VENT
[WC 1] [AGE 9-12] WATER CLOSET TANK TYPE (ACCESSIBLE)	12"	12"	3"	2"
[WC 2] [AGE 9-12] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 3] [AGE 9-12] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 4] [AGE 9-12] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 5] [AGE 9-12] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 6] [AGE 9-12] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 7] [AGE 9-12] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 8] [AGE 9-12] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8)

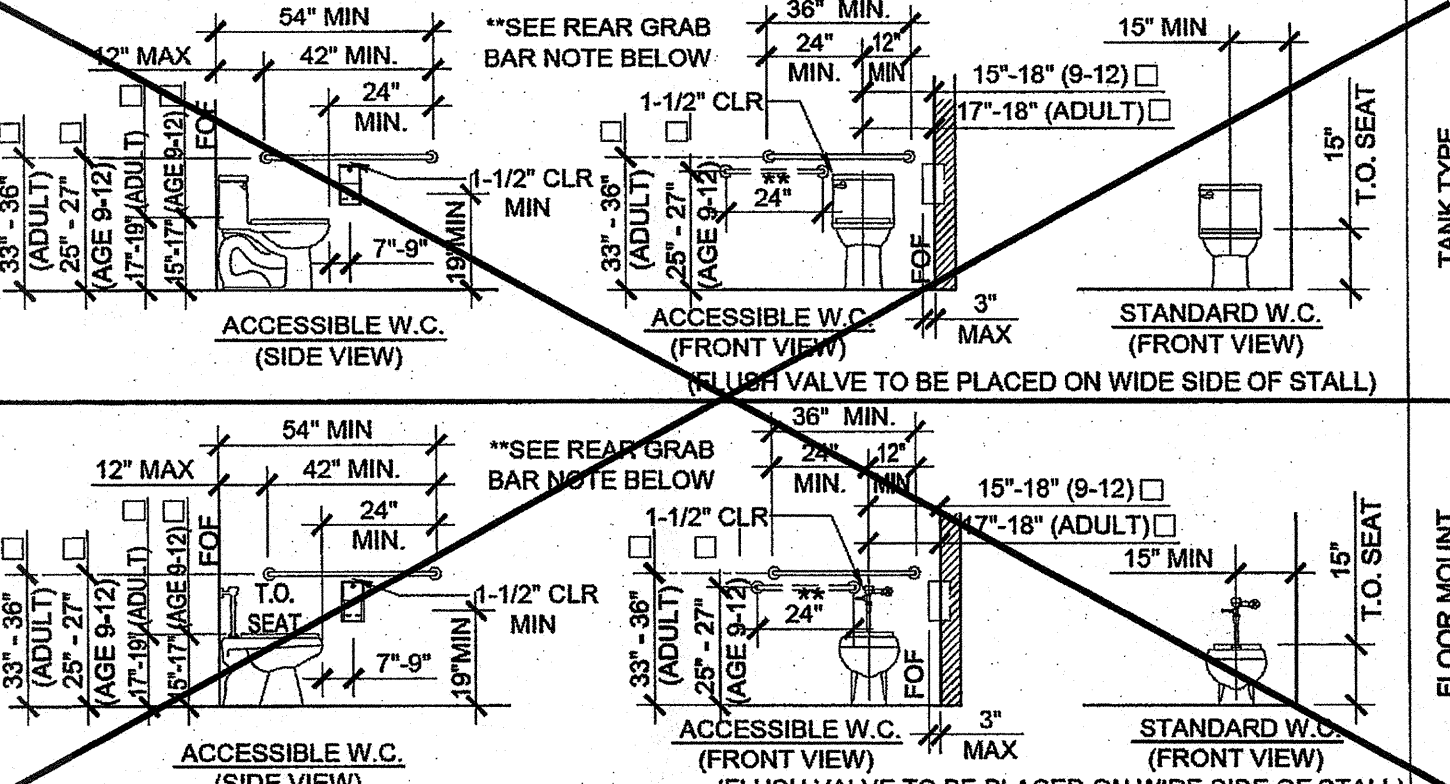


TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4)

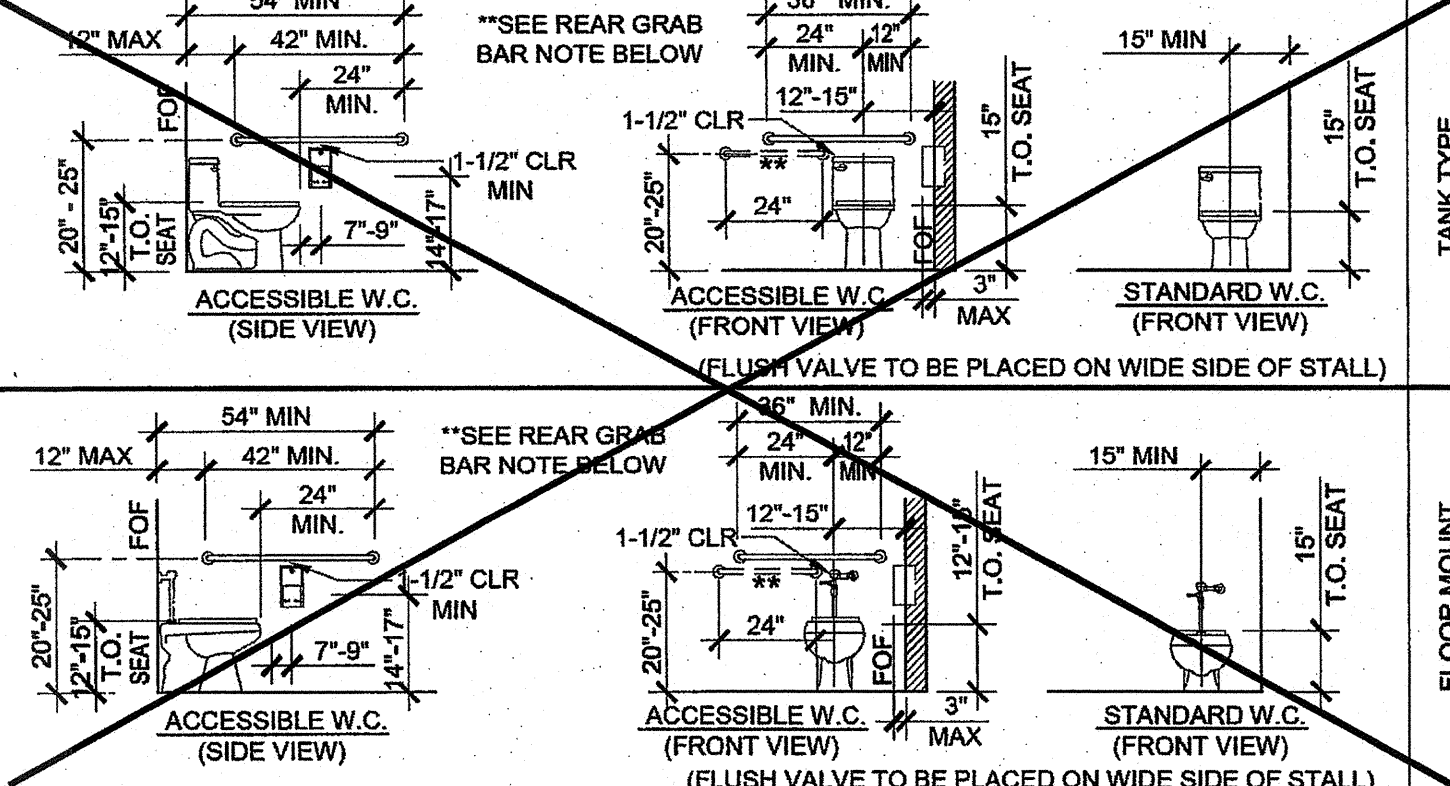
SYMBOL	FIXTURE	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)			
		COLD WATER	HOT WATER	WASTE	VENT
[WC 1] [ADULT]	WATER CLOSET TANK TYPE (ACCESSIBLE)	12"	12"	3"	2"
[WC 2] [AGE 9-12]	WATER CLOSET TANK TYPE (ACCESSIBLE)	12"	12"	3"	2"
[WC 3] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 4] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 5] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 6] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 7] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 8] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"

PLUMBING FIXTURE SCHEDULE

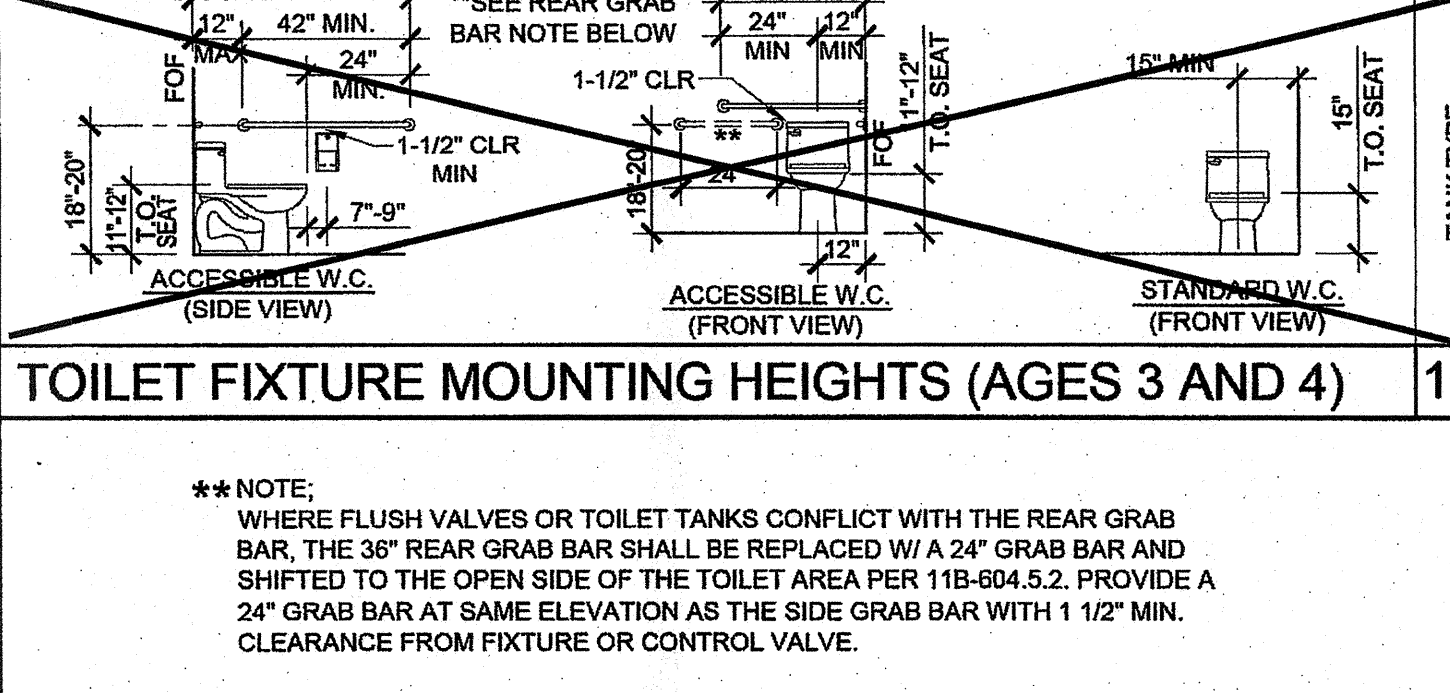
[WC 1] [ADULT]	WATER CLOSET TANK TYPE (ACCESSIBLE)	12"	12"	3"	2"
[WC 2] [AGE 9-12]	WATER CLOSET TANK TYPE (ACCESSIBLE)	12"	12"	3"	2"
[WC 3] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 4] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 5] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 6] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 7] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"
[WC 8] [AGE 9-12]	WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	12"	12"	3"	2"



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4)

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
"BUILDING FOR THE NEXT GENERATION"

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

PROJECT NAME:

24x40 STOCKPILE OFFICE BUILDING

PLUMBING DETAILS AND SCHEDULE

24x40 STOCKPILE OFFICE BUILDING

PLUMBING DETAILS AND SCHEDULE

24x40 STOCKPILE OFFICE BUILDING

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PLUMBING DETAILS AND SCHEDULE

24x40 STOCKPILE OFFICE BUILDING

REFER TO SHEET "P-1.01N" FOR PROJECT SPECIFIC



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.

LOCATE SUPPORT WITHIN 2 FT. OF DIFFUSER/REGISTER

INSULATED FLEX DUCT. SEE PLAN FOR SIZE. INSULATION SHALL HAVE FLAME SPREAD INDEX 0-25; SMOKE DEVELOPMENT INDEX 0-450

PROVIDE SMOOTH RADIUS CONNECTION, PROPERLY SUPPORT FLEX DUCT FOR SMOOTH AIR FLOW TO DIFFUSER/REGISTER

SHARP RADIUS IS NOT ACCEPTABLE

SQUARE TO ROUND FITTING WHERE REQUIRED, SEE PLANS

SAFETY STRAP FASTEN TO REGISTER & TO STRUCTURE ABOVE

SHEET METAL 45° FITTING-FLEX DUCT SHOULD BE PULLED OVER FITTING AND SECURED WITH APPROVED METHOD

T-BAR

HART & COOLEY SD-9419 SUPPLY REGISTER

$R=1.5D$  (MIN.)

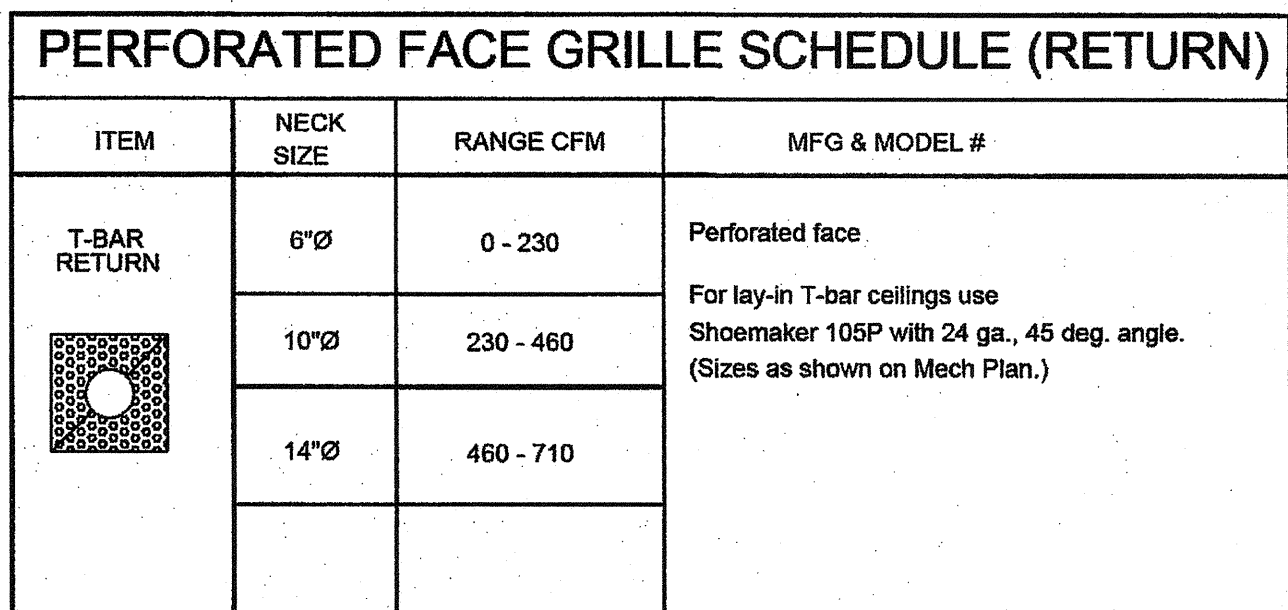
$D$

CEILING TILE

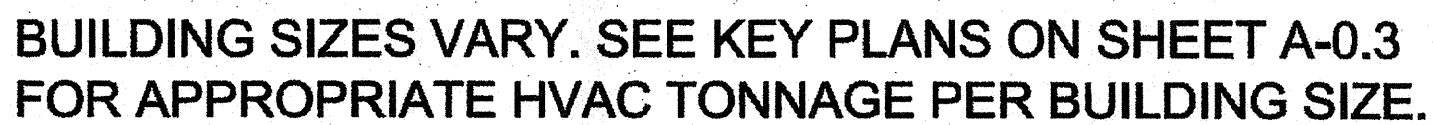
**T-BAR SUPPLY REGISTER AND SIDE OUTLET BOX DETAIL**

N.T.S.

SUPPLY CEILING DIFFUSER MOUNTING	SCALE	D
	NONE	



THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



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# M-0.1



NOT USED

2

NOT USED

3

MECHANICAL PLAN - STANDARD 4 LIGHT CONFIGURATION

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

1

9 EER			
SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE			
	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W61H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	57
MOCP	60	60	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#8/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DBWB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,700
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	500#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:  
PROVIDE SET-BACK THERMOSTAT.  
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP. IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.  
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.  
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.  
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.  
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

10 EER			
SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE			
	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	S49H2-A05	S61H2-A05	S43H2-A04
CFM	1400	1450	1250
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	65	69	55
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#8/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DBWB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	34,400	37,800	31,200
TOTAL COOLING @ 95° F	45,000	55,000	41,500
HEATING CAP. BTUH @ 47° F	45,000	52,000	39,000
HEATING CAP. BTUH @ 17° F	26,000	30,000	23,000
OPERATING WEIGHT	550#	580#	550#
EER	10.00	10.40	10.50
COP @ 47° F	3.00	3.00	3.20
COP @ 17° F	2.00	2.00	2.10

NOTES:  
PROVIDE SET-BACK THERMOSTAT.  
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP. IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.  
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.  
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.  
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.  
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

9 EER (GAS ALTERNATE)			
SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE			
	STANDARD	OPTION #1	OPTION #2
TAG	AC-1	AC-1	AC-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48G2-AXB	W60G2-AXB	W42G2-AXB
CFM	1600	1750	1300
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	40	32
MOCP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DBWB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,300	40,700	30,500
TOTAL COOLING @ 95° F	46,000	57,000	40,500
HEATING INPUT	75,000	75,000	75,000
HEATING OUTPUT	61,500	61,500	61,500
OPERATING WEIGHT	710#	725#	700#
EER	9.7	9.8	9.8
THERMAL EFFICIENCY (TE)	82	82	82

NOTES:  
PROVIDE SET-BACK THERMOSTAT.  
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.  
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.  
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.  
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND TE VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
  
24x40 STOCKPILE  
OFFICE BUILDING

SHEET TITLE:  
  
MECHANICAL PLAN  
WALL MOUNT  
24' x 40'

AGENCY TRACKING NO. 53321-288  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03118971  
AC ☒ FLS ☒ SS ☒ RFP  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04118284  
ACS ☒ FLS ☒ SS ☒ RFP  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  

PRE-CHECK (PC) DOCUMENT  
CODE 9013 000  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION INTEREST

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC ☒ FLS ☒ SS ☒ RFP  
DATE AUG - 4 2015

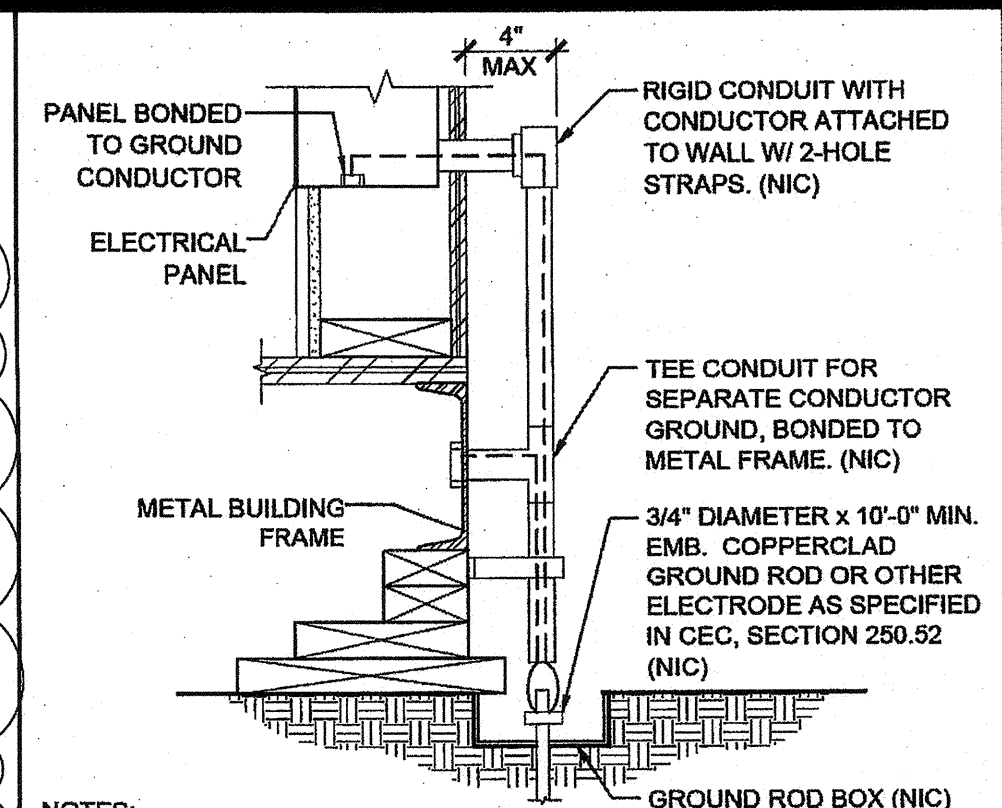
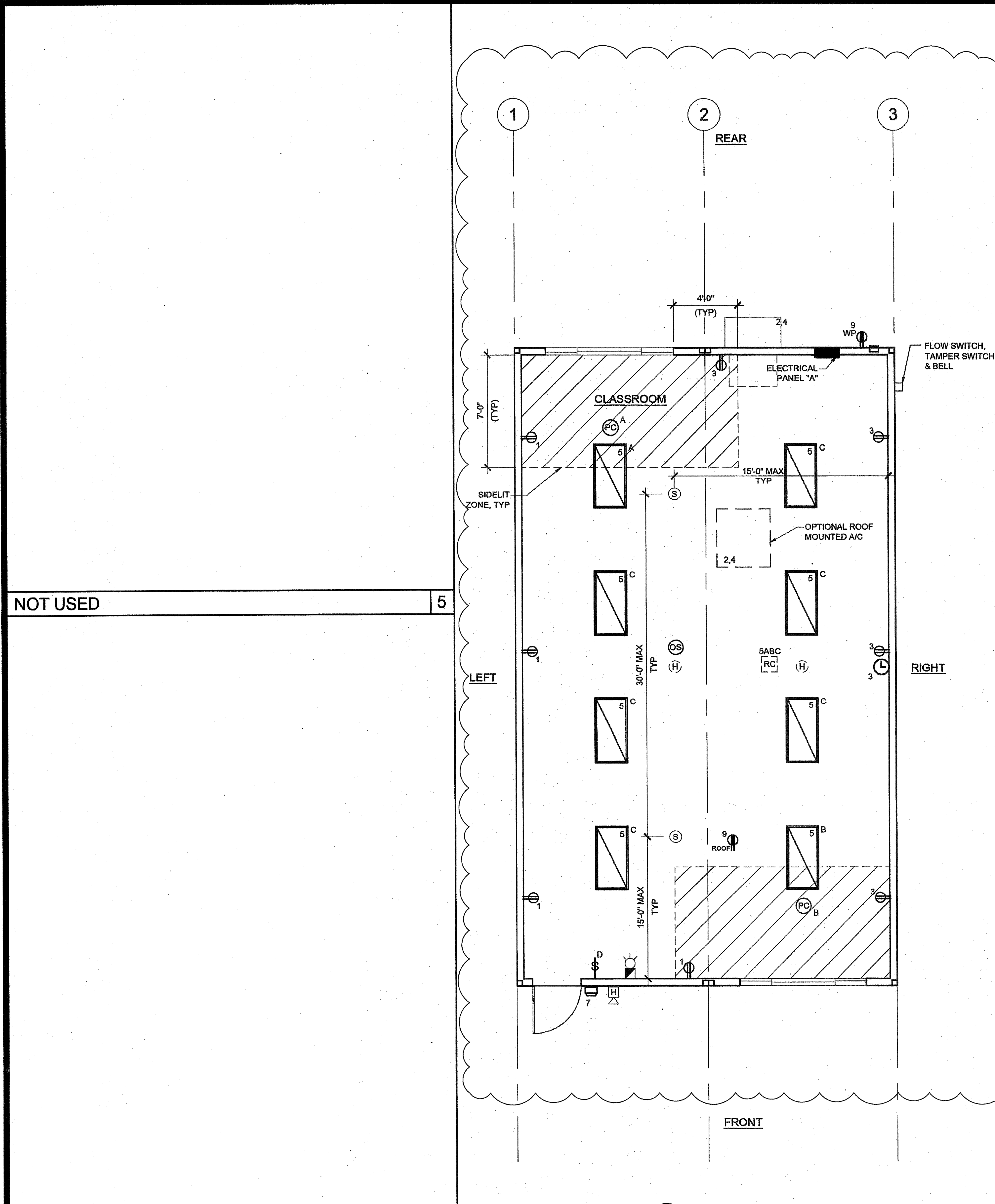
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SILVER CREEK INDUSTRIES  
24' x 40' PC - 2:12 PITCH

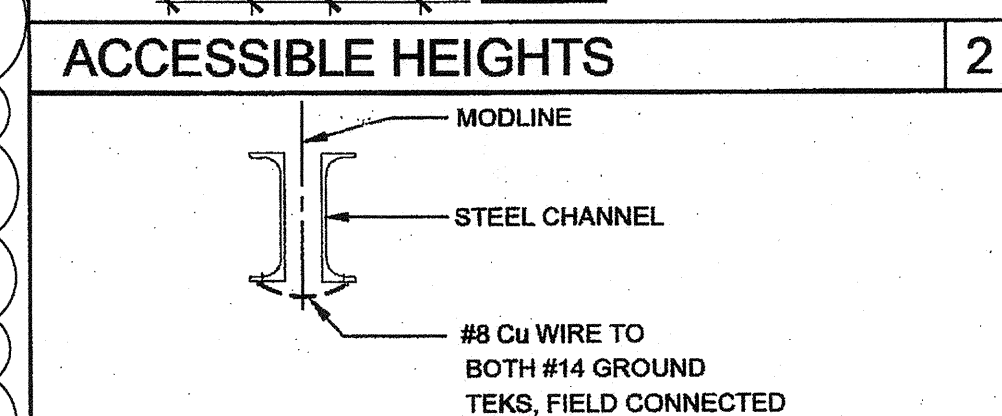
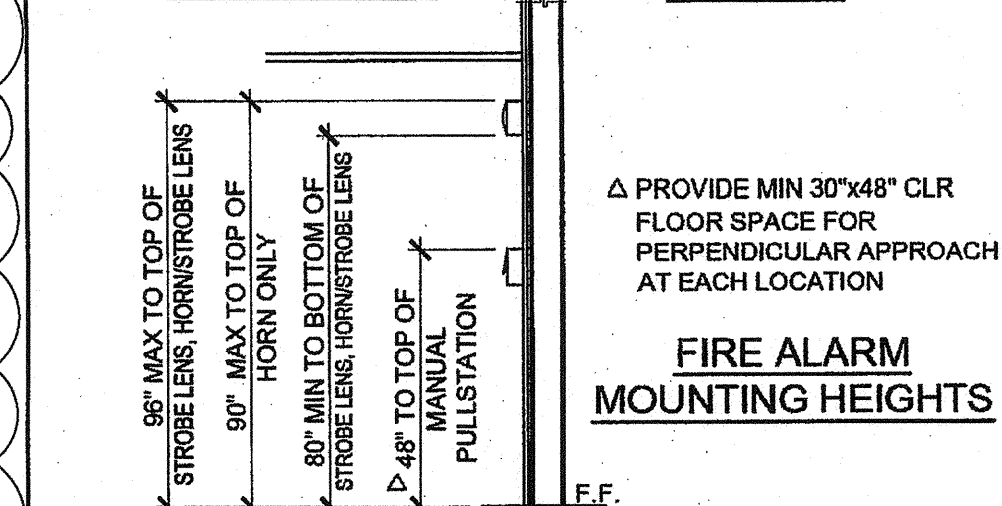
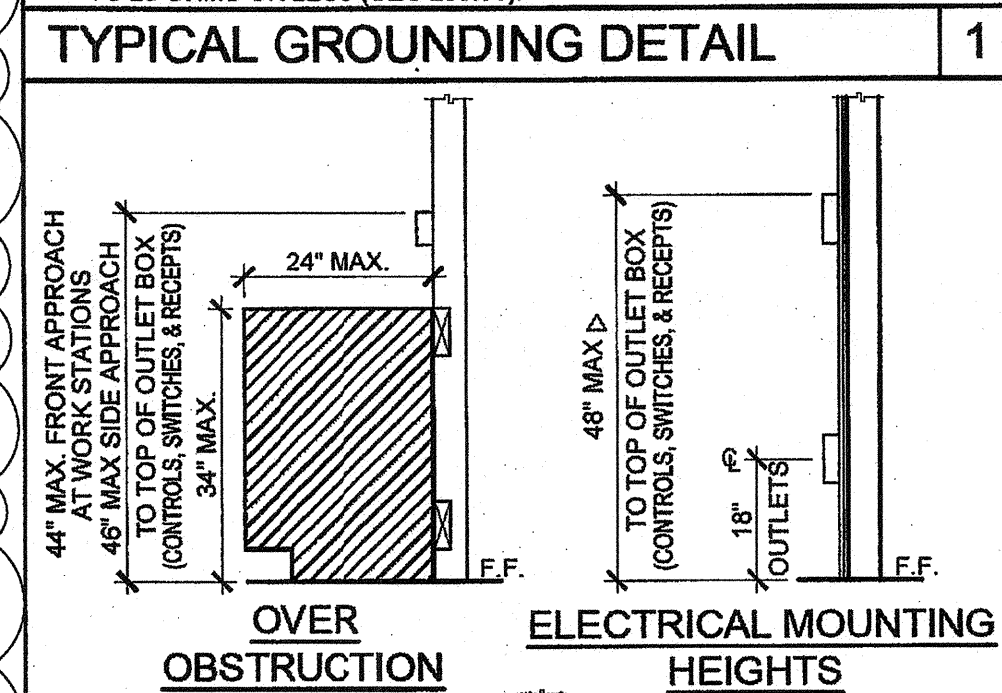
PROJECT NO:  
  
DRAWN BY:  
  
SCALE: AS NOTED  
  
DATE: 01-30-15  
  
P.C. SHEET NUMBER  
  
M-1.01

REFER TO SHEET "M-1.01N" FOR PROJECT SPECIFIC





- NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
  2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
  3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
  4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
  5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56)



GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED 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

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 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. 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.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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 2013 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.

## FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72, 10.6.5.2

## CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. 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 4-1/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-1/16" SQ	86.0	36	34	28	17
6SD	4" x 6" SQ	144.0	64	57	48	28

\* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

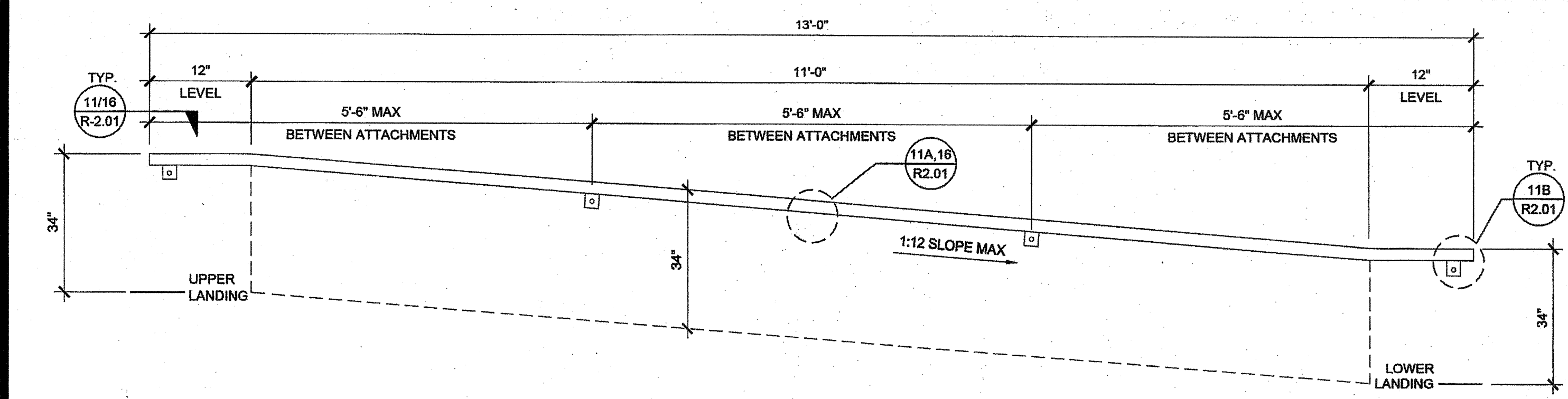
## LEGEND

- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- ELECTRICAL PANEL AT +0" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT
- CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER #LMPC-100 OR EQUAL
- CEILING MOUNTED PHOTOCELL, WATTSTOPPER #MLS-500
- ULTRASONIC CEILING OCCUPANCY SENSOR, WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYPAD LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- SINGLE SWITCH WALL OCCUPANCY SENSOR, WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
- LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER, INSTALLED ABOVE CEILING, LOCATION AND # OF LOADS/ZONES TO BE VERIFIED, WATTSTOPPER #LMRC-20X
- SINGLE BUTTON DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101
- LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- 3-WAY LIGHT 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 A/C 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/ 30w 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 HORN (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
- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL
- EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
- DEDICATED CIRCUIT W/ LOCK ON DEVICE FOR FIRE SPRINKLER SWITCH AND BELL

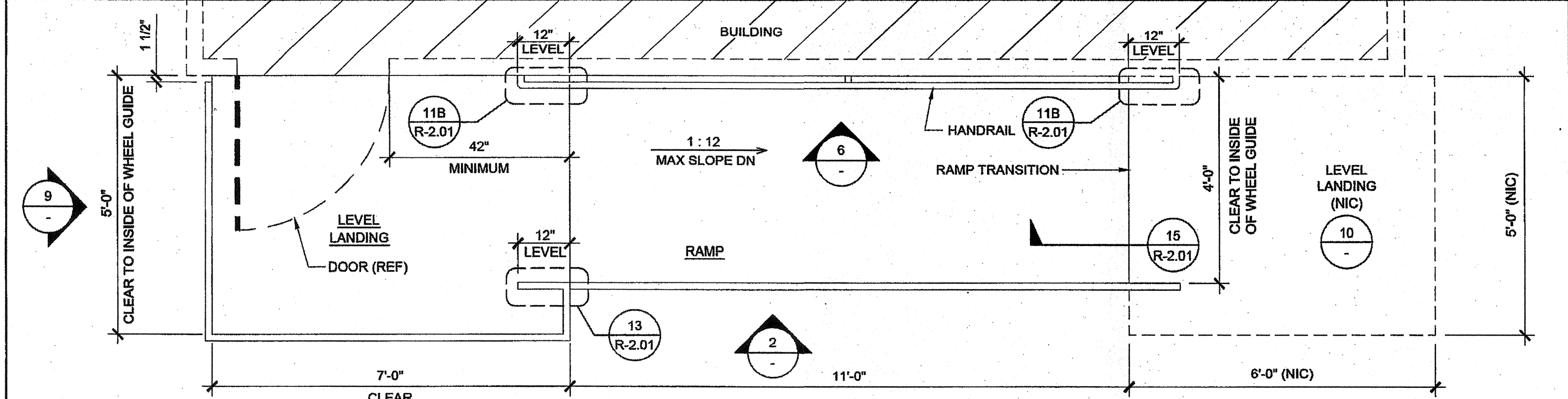
## ELECTRICAL PLAN

ELECTRICAL PANEL														
VOLTS: 120/208 V					PANEL: "A" WALL MOUNTED HVAC					FEED: REAR				
MAIN: 100 A					LOCATION: INTERIOR ACCESS					MOUNTING: FLUSH				
LOAD										LOAD				
	QTY	AØ	BØ	Amps	P	A	B	Circuit	Amps	P	AØ	BØ	QTY	
RECEPTACLES	4	720		20	1	1		1	2	60	2		1	
RECEPTACLES/CLOCK	5		900	20	1	3		4				6670		
INTERIOR LIGHTING	8	960		20	1	5		6						
EXTERIOR LIGHTING	1		40	20	1	7		8						
WALL RECEPTACLE (GFI)	1	160		20	1	9		10						
						11		12						
						13		14	20	1		40		
A = 8530 WATTS / PHASE					1860 940					B = 7650 WATTS / PHASE				
TOTAL = 16,180 WATTS					78 AMPS 120/208 VOLTS 1 Ø					3 WIRE				

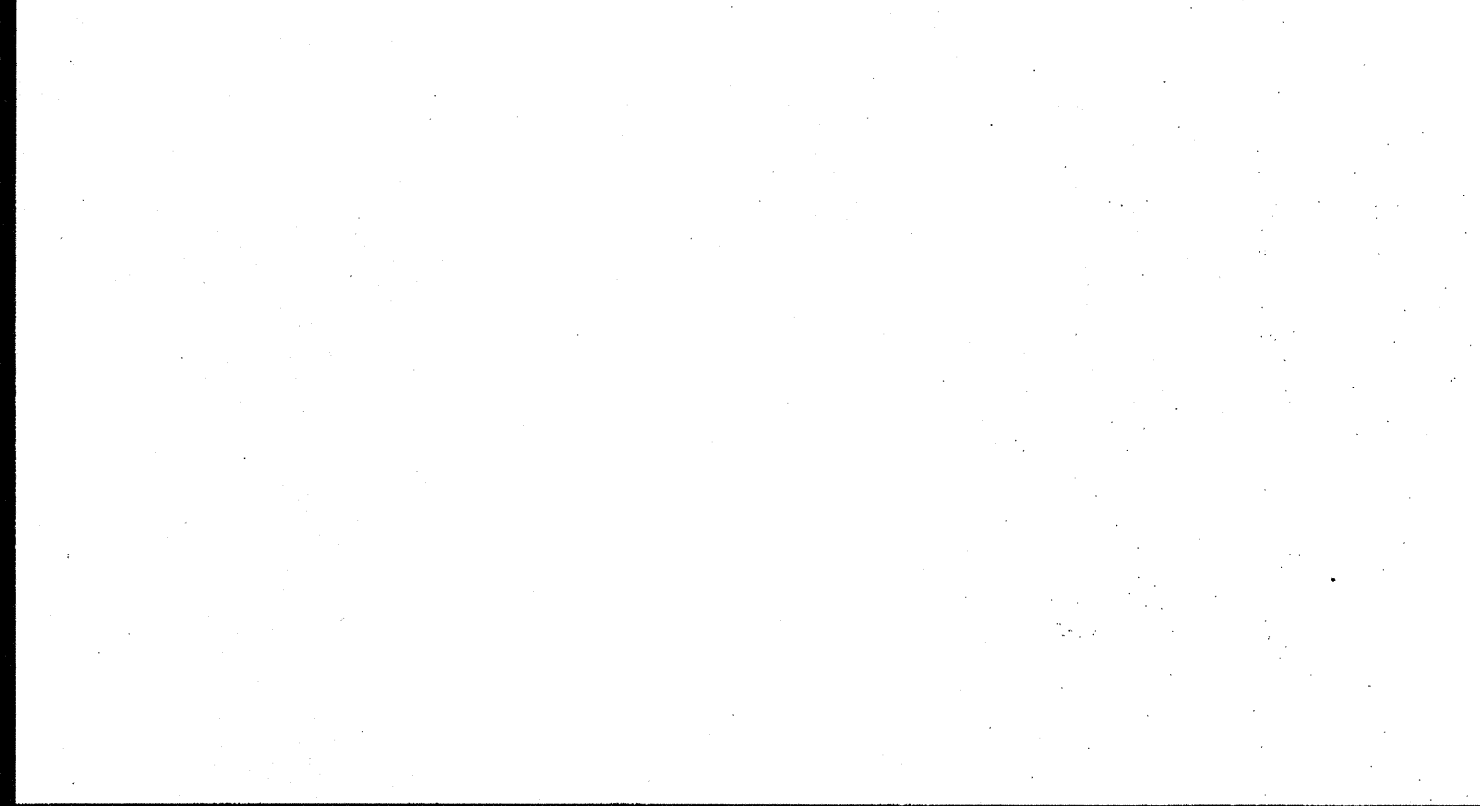




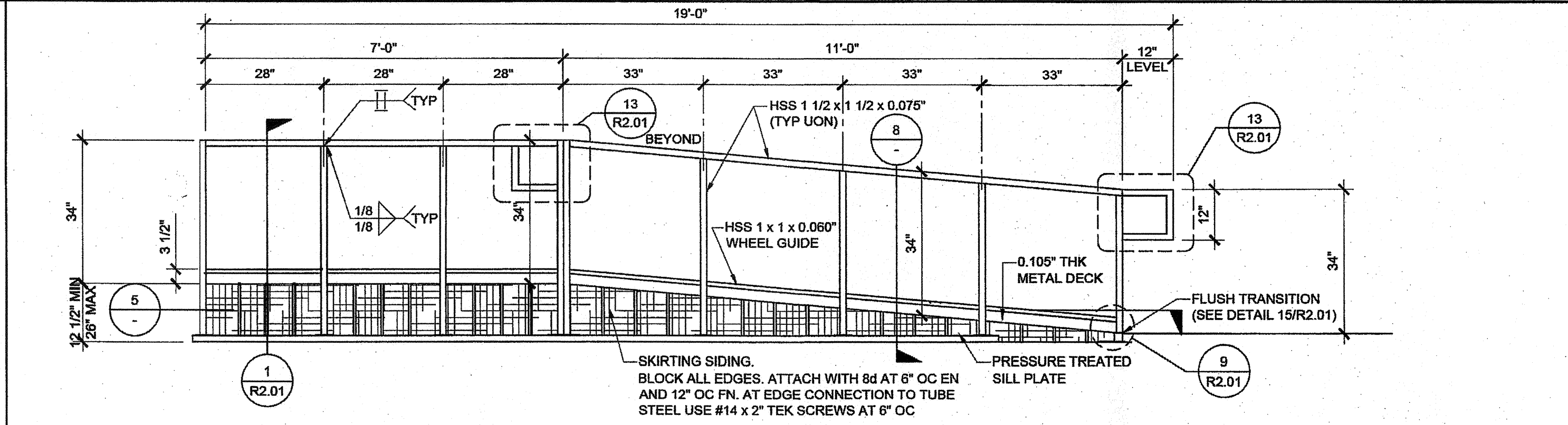
HANDRAIL ATTACHMENT TO BUILDING SCALE: 1" = 1'-0" 6



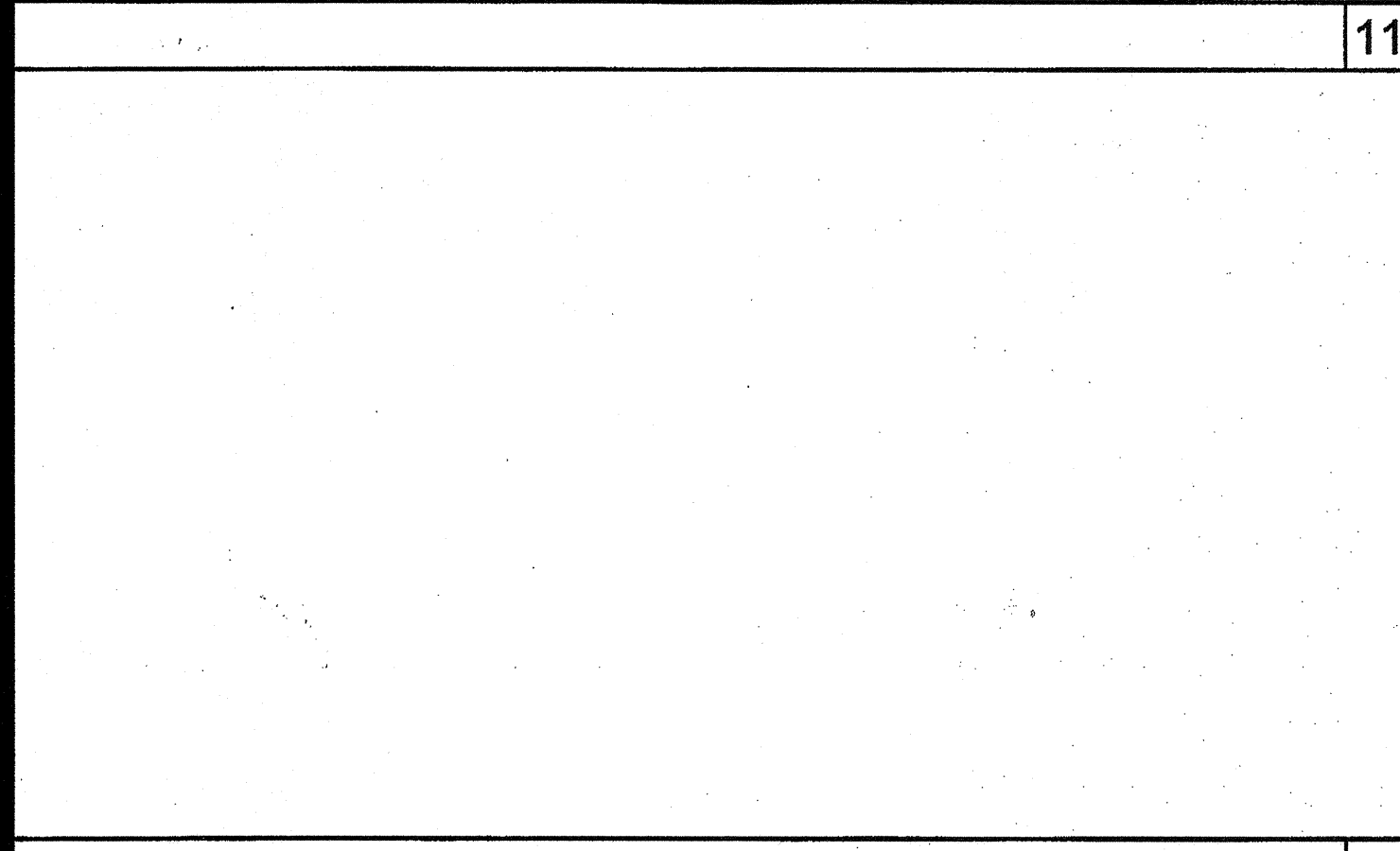
RAMP AND LANDING AT BUILDING SCALE: 1/2" = 1'-0" 1



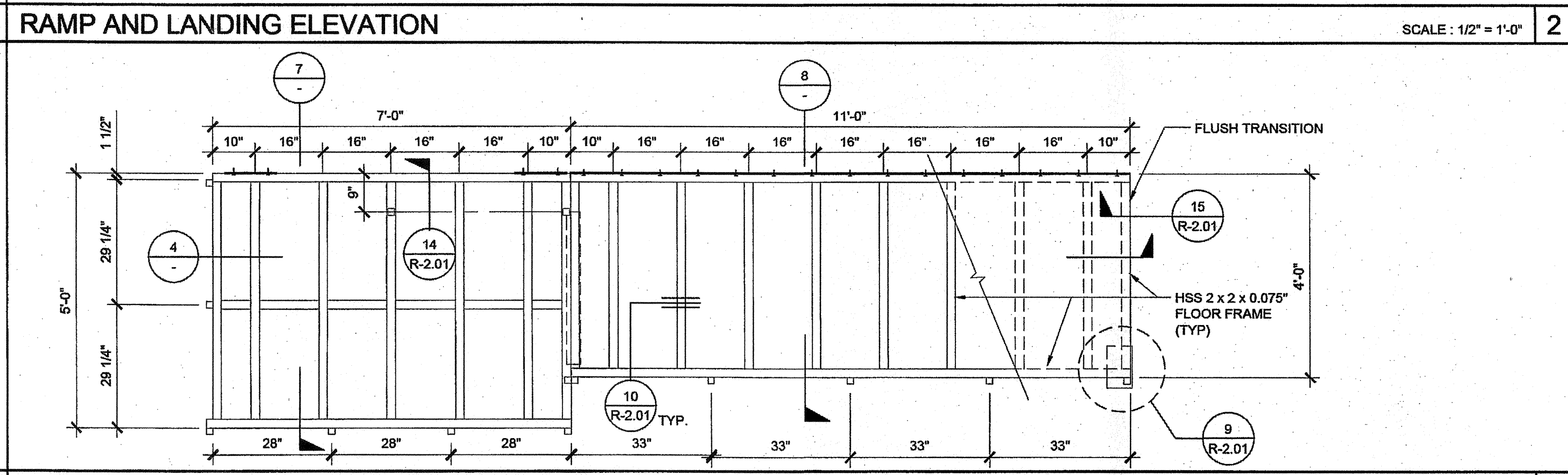
SECTION AT LANDING SCALE: 1/2" = 1'-0" 11



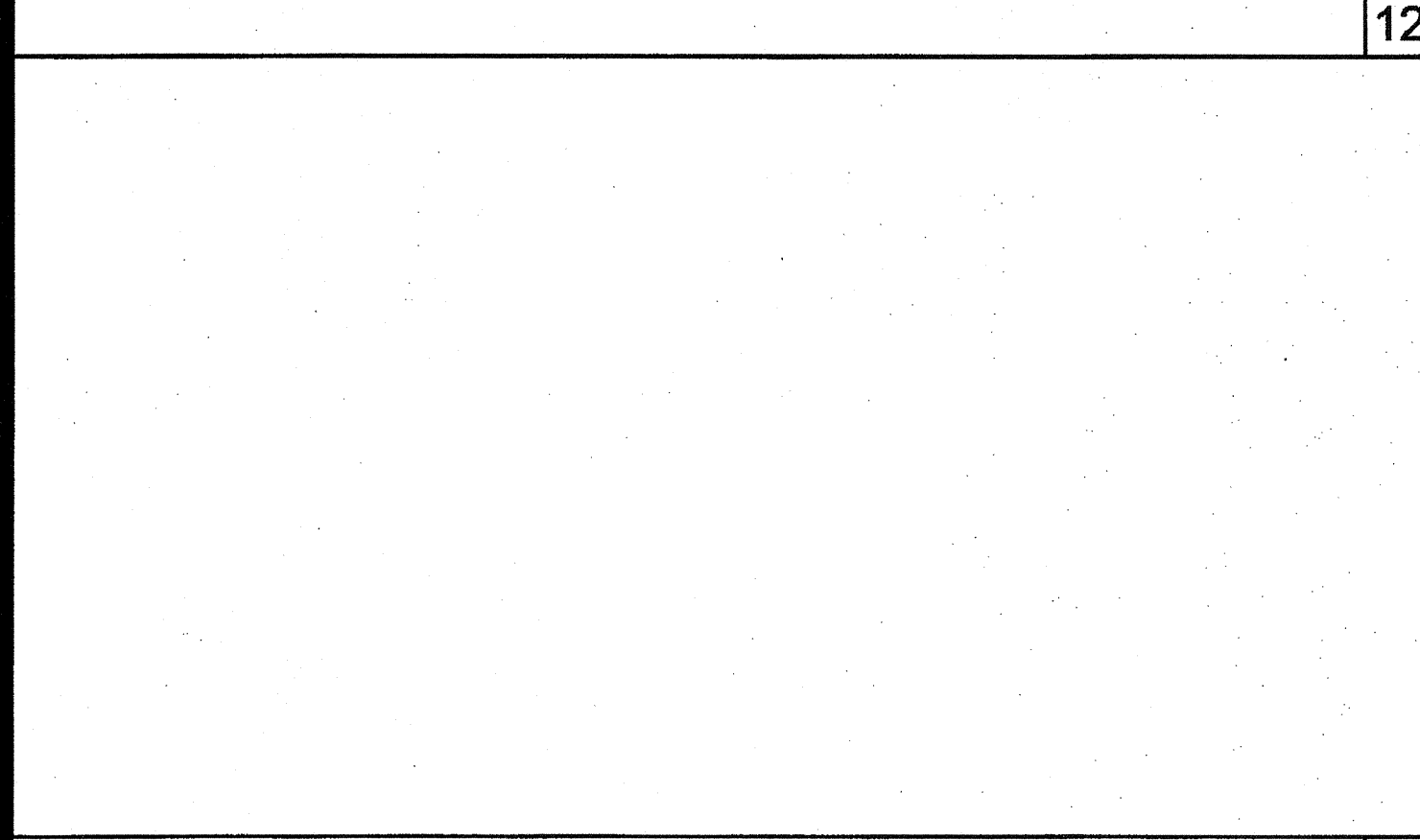
RAMP AND LANDING ELEVATION SCALE: 1/2" = 1'-0" 2



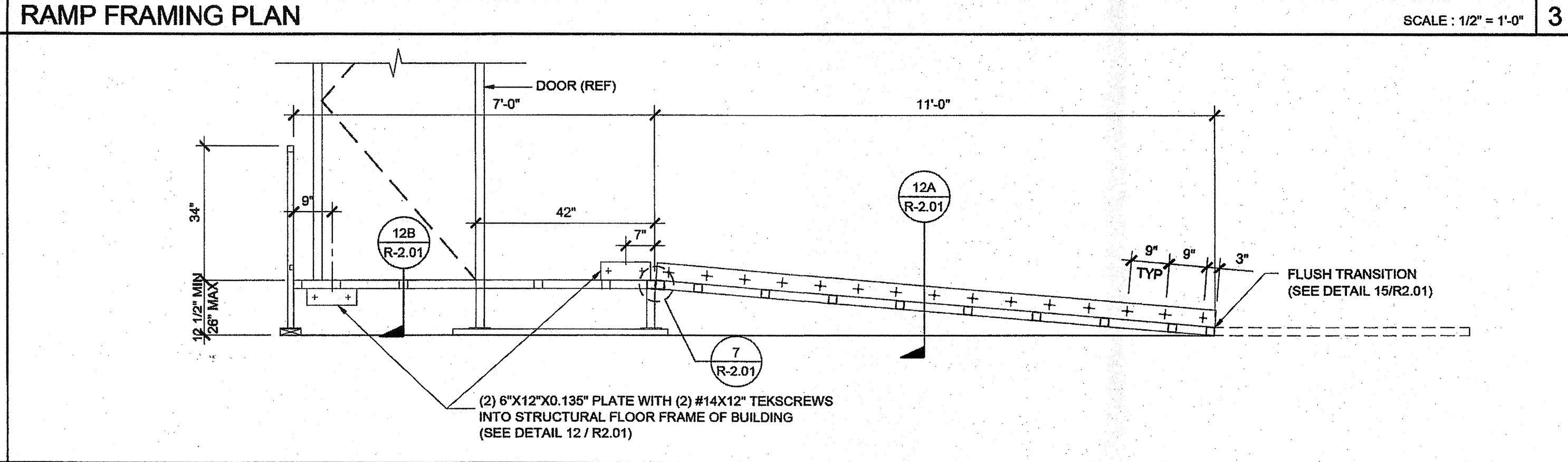
SECTION AT RAMP SCALE: 1/2" = 1'-0" 12



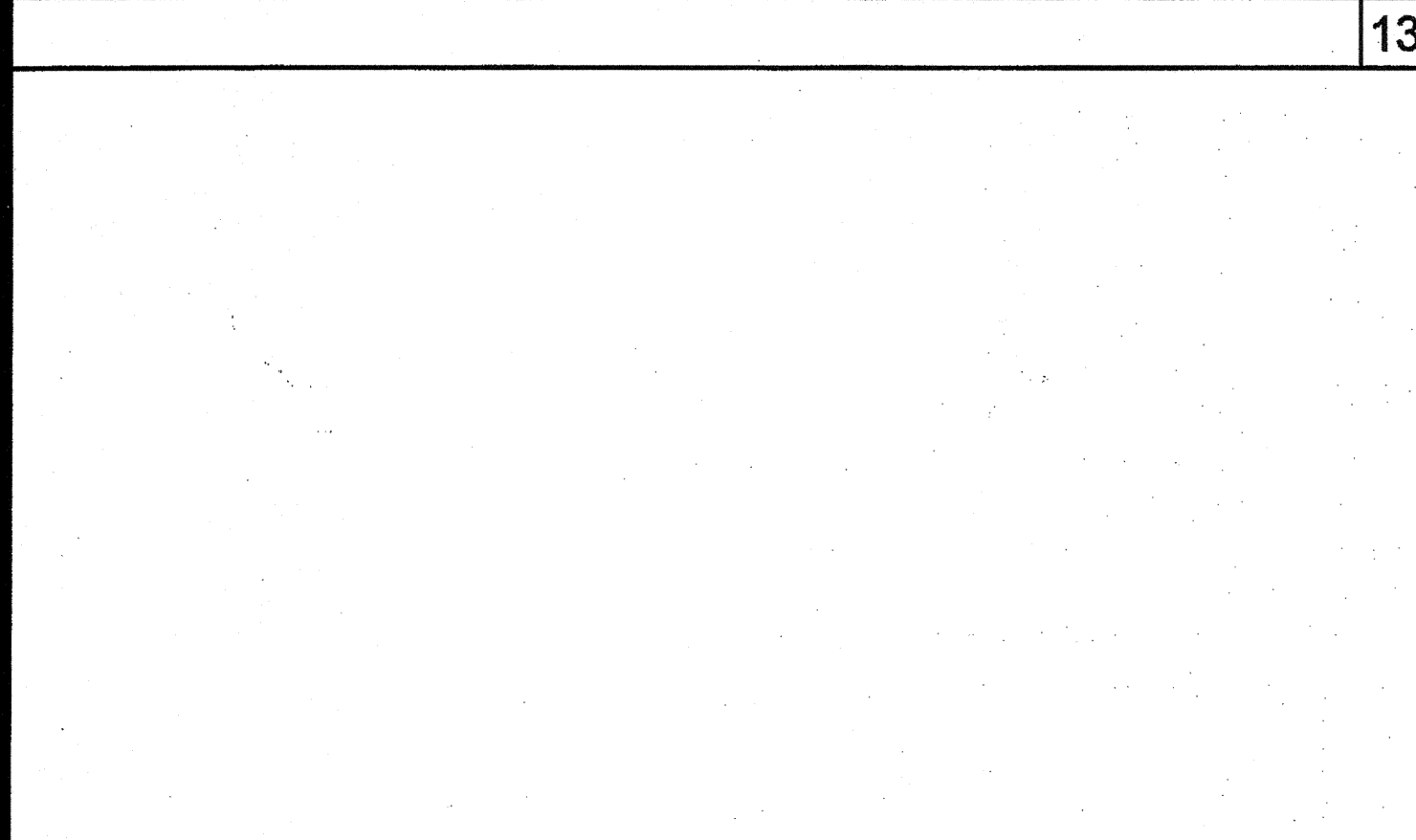
RAMP FRAMING PLAN SCALE: 1/2" = 1'-0" 3



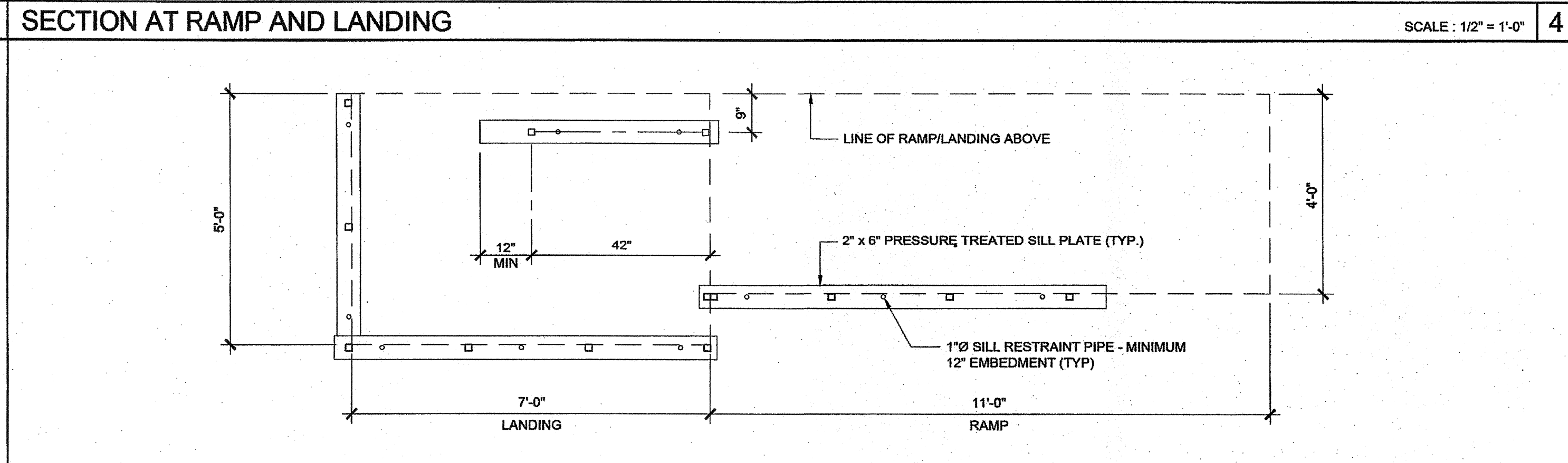
LANDING ELEVATION SCALE: 1/2" = 1'-0" 13



SECTION AT RAMP AND LANDING SCALE: 1/2" = 1'-0" 4



RAMP TRANSITION SCALE: NTS 14



SILL PLAN FOR RAMP AND LANDING SCALE: 1/2" = 1'-0" 5

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
**SILVER CREEK**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**RAMP LANDING**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**03118913**  
AC ☒ FLS ☒ SS ☒ RAY  
DATE **MAY 24 2018**

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
**04116284**  
ACS ☒ FLS ☒ SS ☒ RAY  
DATE **MAY 18 2017**

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (C) DOCUMENT  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**PC 04-114102**  
AC ☒ FLS ☒ SS ☒ RAY  
DATE **AUG - 4 2015**

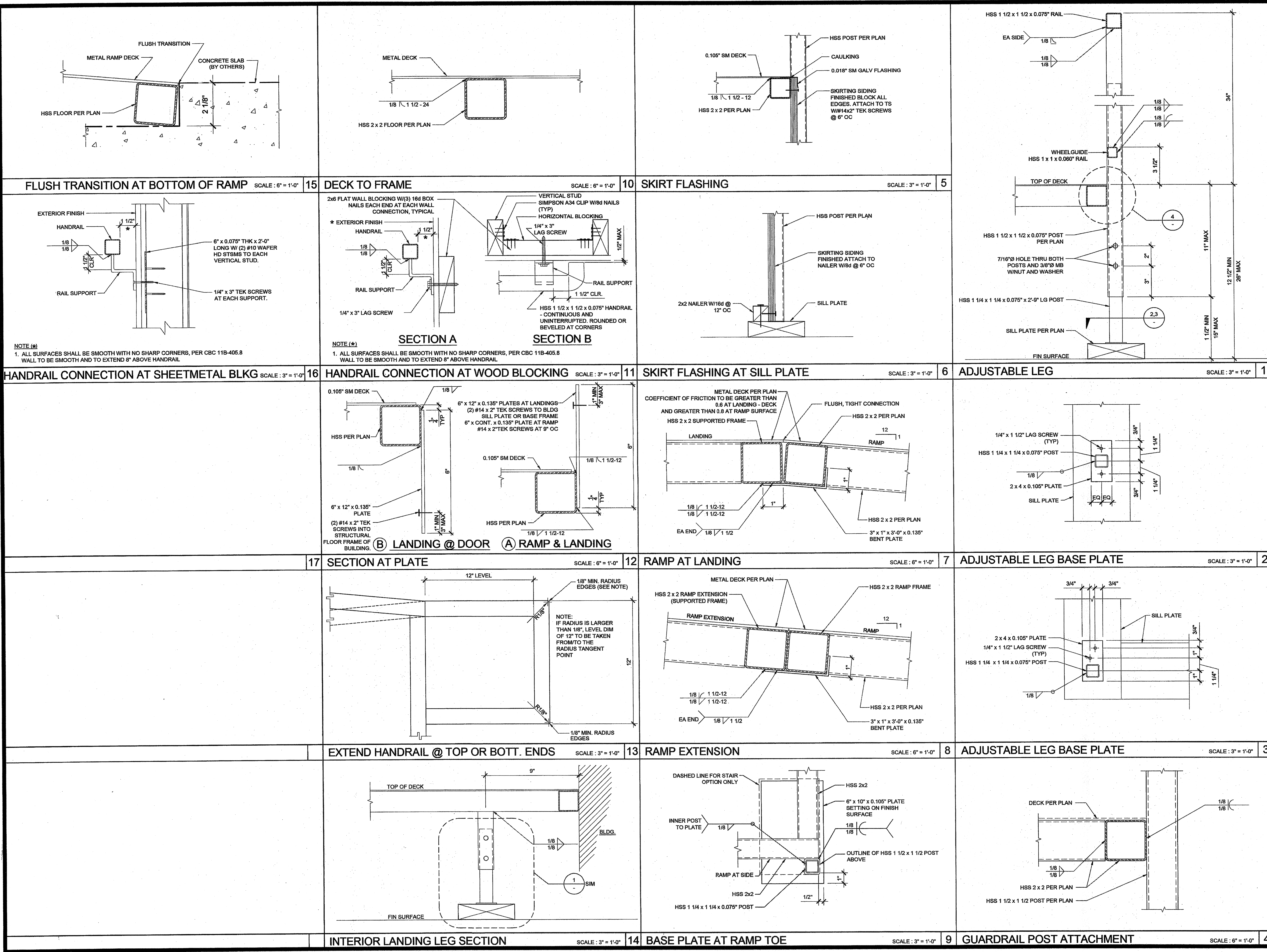
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SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER

**R-1.01**





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APP: 03-124455 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 03/26/2025

SILVER CREEK INDUSTRIES, INC.  
  
"BUILDING FOR THE NEXT GENERATION"  
SILVER CREEK  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**24x40 STOCKPILE OFFICE BUILDING**

SHEET TITLE:  
**RAMP DETAILS**

AGENCY TRACKING NO. 63321-289  
FILE NO. 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
AC ☒ FLS ☒ SS ☒  
DATE MAY 24 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04 116264  
AC ☒ FLS ☒ SS ☒ RAF  
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL  
PRE-CHECK (PC) DOCUMENT  
CODE 0013 CBC  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION REVIEW  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114102  
AC ☒ FLS ☒ SS ☒ RAF  
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DRAWN BY:  
SCALE: AS NOTED  
DATE: 01-30-15  
P.C. SHEET NUMBER

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