

GENERAL NOTES

1. TYPICAL, EXISTING TO REMAIN U.O.N.: PROTECT ALL WORK TO BE REINSTALLED. ANY DAMAGE SHALL BE REPAIRED/ REPLACED TO OWNER'S SATISFACTION.
2. SEE CIVIL AND ELECTRICAL DWGS. FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ACTUAL FIELD CONDITIONS PRIOR COMMENCEMENT OF WORK.
4. CONTRACTOR TO FIELD VERIFY EXTENT OF ALL DEMOLITION REQUIRED TO ACCOMMODATE CONSTRUCTION.
5. CONTRACTOR TO PROTECT ALL (E) SITE FEATURES FROM DAMAGE INCLUDING BUT NOT LIMITED TO, STRUCTURES, UTILITIES, TREES, LANDSCAPING, AND SITE WORK.

KEYNOTES

- ① CONCESSION BUILDING, SEE A3.01 FOR FLOOR PLAN
- ② (E) FIRE HYDRANT
- ③ (E) 20'-0" WIDE CHAIN LINK GATE. PROVIDE KNOX BOX PER CITY OF SAN JOSE FIRE DEPARTMENT REQUIREMENTS
- ④ FIRE LANE SIGNAGE

FIRE WATER FLOW CALCULATIONS

HYDRANT 1: 1210 GPM	HYDRANT 2: 1186 GPM
2016 CFC TABLE BB105.1 TYPE V-B, AREA: 0 - 3600 SF	REQUIRED: 1,500 PSI, 2 HOURS PROVIDED: 2,360 PSI, 2 HOURS



810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan. For additional information refer to the instructions at the end of this form and DSA Policy 09-01.

PROJECT INFORMATION			
School District/Owner:	ESUHSJ		
Project Name/School:	PHHS CONCESSION BLDG.		
Project Address:	1377 PIEDMONT RD, SAN JOSE, CA 95132		
FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_zoning/tables/zone_classification_maps	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

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

DSA 810 (rev 10-22-18) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

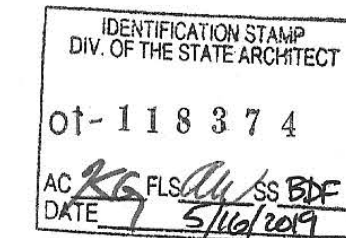
School District Acceptance of Acceptable Design Alternates

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

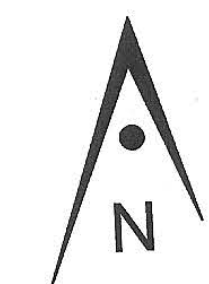
Accepted by: _____ Title: _____
Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: _____
LFA Review Official: _____
Title: _____
Work E-mail: _____



REVIEWED
By: *Nicasio Lagman* Date: 5/18/19
SAN JOSE FIRE PREVENTION BUREAU
NICASIO LAGMAN



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394-A Umbarger Rd
San Jose, CA 95111
Phone 408.224.9890
Fax 408.224.9891
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LEGEND

- (E) FIRE HYDRANT TO REMAIN.
- (E) CHAIN LINK FENCE AND GATE
- (E) FIRE LANE

Key Plan

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
San Jose, CA 95132

EAST SIDE UNION HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

FIRE DEPARTMENT REVIEW SITE PLAN

Regulatory Agency Approval	Architect Seal
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES XX-XXXXXX	LICENSED ARCHITECT WILLIAM T. SORDEL No. C-23819 REN. 9-30-19 STATE OF CALIFORNIA
File Number 43-H10	Drawing No A1.01
Application Number XX-XXXXXX	Project No. 135259



GENERAL NOTES

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2. SEE CIVIL AND ELECTRICAL DWGS. FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ACTUAL FIELD CONDITIONS PRIOR COMMENCEMENT OF WORK.
4. CONTRACTOR TO FIELD VERIFY EXTENT OF ALL DEMOLITION REQUIRED TO ACCOMMODATE CONSTRUCTION.
5. CONTRACTOR TO PROTECT ALL (E) SITE FEATURES FROM DAMAGE INCLUDING BUT NOT LIMITED TO, STRUCTURES, UTILITIES, TREES, LANDSCAPING, AND SITE WORK.
6. RECLAIMED WATER IRRIGATION SYSTEM EXISTING THROUGHOUT THE PRACTICE FIELDS AND CAMPUS. CONTRACTOR SHALL PROTECT IN PLACE OR REPAIR AND REPLACE IF DAMAGED.
7. REPLACE UTILITY TRENCHING LANDSCAPE/SURFACE TO MATCH EXISTING MATERIALS (SOD VS. ASPHALT VS. CONCRETE).
8. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, 1 POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE.

NOTE: EXISTING ACCESSIBLE ROUTES TO ALL FACILITIES AND BUILDING THAT ARE OPERATIONAL DURING CONSTRUCTION PHASE SHALL REMAIN UNOBSTRUCTED, SAFE AND USABLE BY PEOPLE WITH DISABILITIES.

KEYNOTES

- 1 (E) FIRE HYDRANT
- 2 (E) CHAIN LINK FENCE
- 3 PROPOSED CONCESSION BLDG
- 4 (E) PASSANGER DROP OFF PER DSA# 01-116180, SEE 10/12/10
- 5 (E) STRIPPED CROSS WALK

LEGEND

- (E) PATH OF TRAVEL APPROVED UNDER DSA# 01-111121, 01-106843 AND 01-116180
- PROPOSED PATH OF TRAVEL
- (N) CONCESSIONS BUILDING

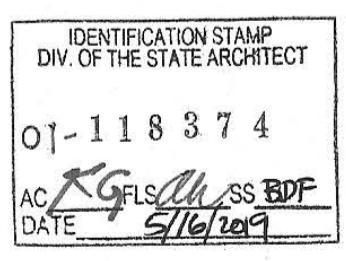
PARKING CALCULATIONS

TOTAL PARKING SPOTS	280
ACCESSIBLE PARKING SPOTS REQUIRED	7
ACCESSIBLE PARKING SPOTS PROVIDED	8

Accessible path of travel as indicated on plan is a barrier free access route without any abrupt level changes exceeding 1/2" if beveled at 1:2 maximum slope, or vertical level changes not exceeding 1/4" maximum and at least 48" in width. Surface is stable, firm, and slip resistant. Cross slope shall not be steeper than 1:48 and slope in the direction of travel shall not be steeper than 1:20. Accessible path of travel shall be maintained free of overhanging obstructions to 80" minimum and protruding objects greater than 4" projection from wall and above 27" and less than 80". Architect shall verify that there are no barriers in the path of travel.

CODE ANALYSIS

CONSTRUCTION TYPE:	V B
OCCUPANCY:	E
ALLOWABLE AREA:	9,500 SF
ACTUAL AREA:	960 SF
ALLOWABLE STORIES:	1
ACTUAL STORIES:	1
HEIGHT:	11'-0"



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San Jose, CA 95111
Phone 408.224.9890
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Key Plan

Project Title

**PIEDMONT HILLS
CONCESSION BLDG.**

1377 Piedmont Rd,
San Jose, CA 95132

**EAST SIDE UNION
HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

**OVERALL
SITE PLAN**

Regulatory Agency Approval
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

AC: FLS/MS
DATE: _____

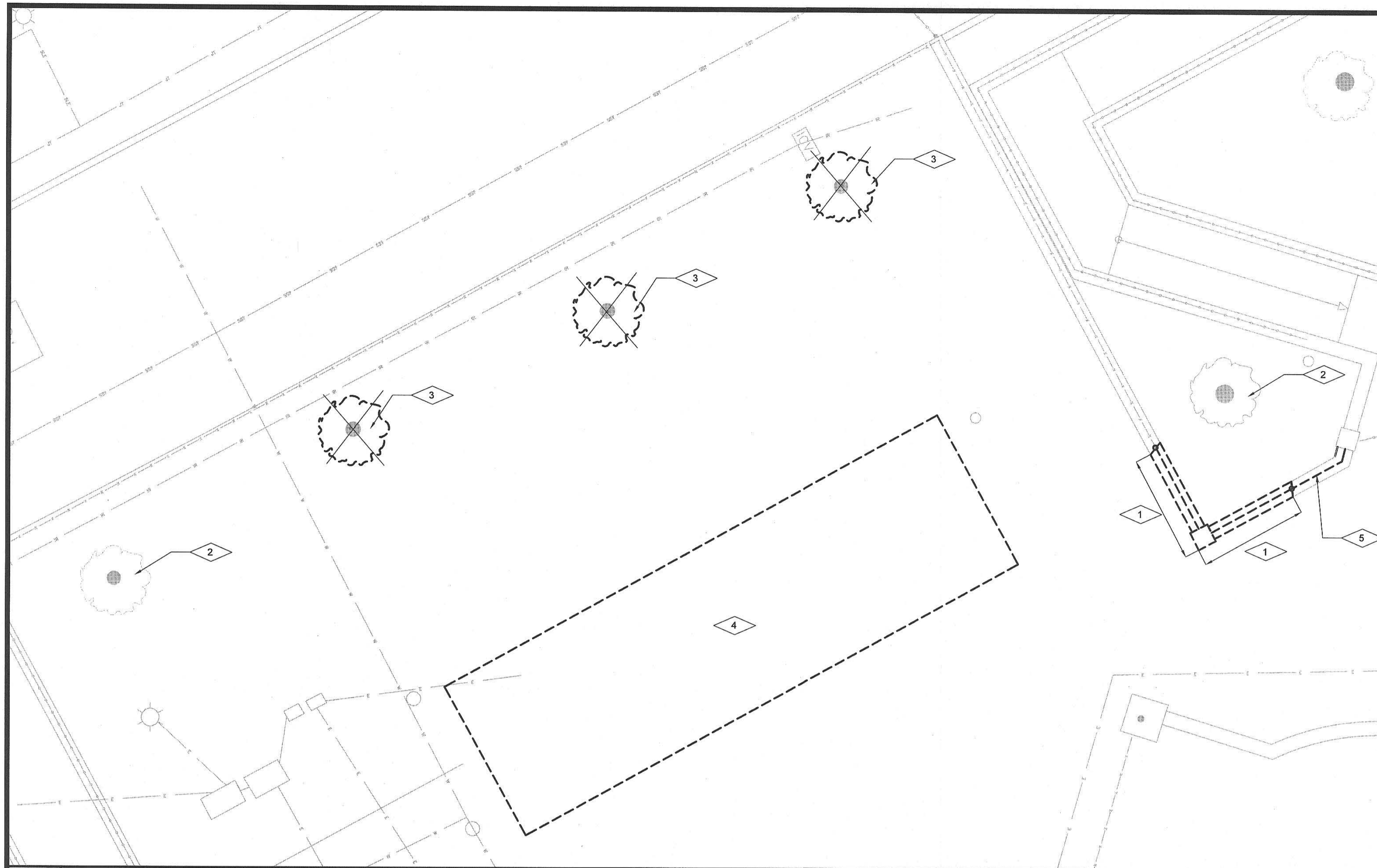


File Number
43-H10

Application Number
XX-XXXXXX

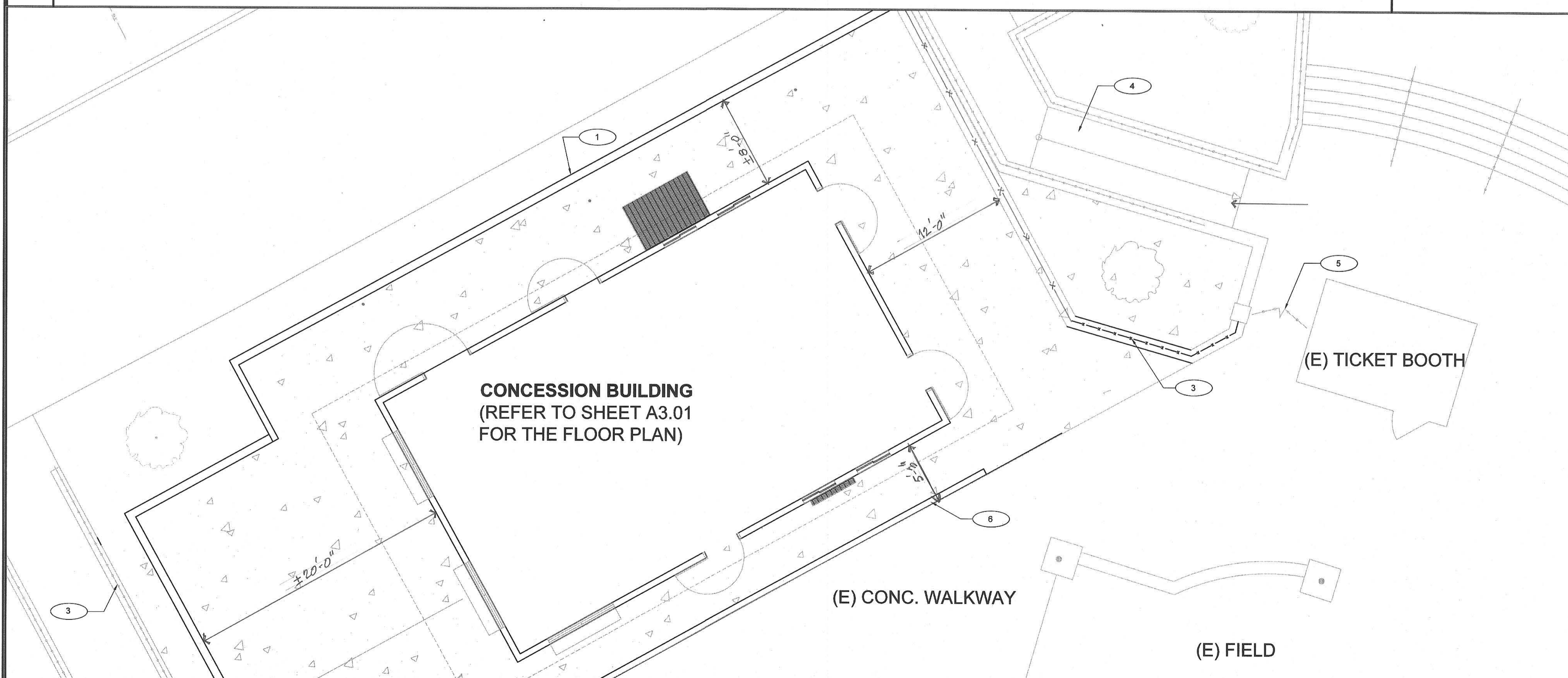
Project No.
135259

Drawing No
A1.02



2 PARTIAL SITE DEMO PLAN

1/64" = 1' - 0"



1 ENLARGED SITE PLAN

1/64" = 1' - 0"

DEMO PLAN GENERAL NOTES

1. TYP. (E) TO REMAIN UNLESS OTHERWISE NOTED. PROTECT ALL WORK TO BE RE-INSTALLED. ANY DAMAGE SHALL BE REPAIRED/REPLACED TO OWNER'S SATISFACTION.
2. SEE CIVIL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS.
3. DEMOLITION PLAN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY EXTENT OF DEMOLITION REQUIRED TO ACCOMMODATE CONSTRUCTION EVEN IF NOT SPECIFICALLY INDICATED ON THE DEMOLITION DRAWINGS.
4. CONTRACTOR TO PROTECT ALL (E) SITE FIXTURES FROM DAMAGE INCLUDING BUT NOT LIMITED TO: STRUCTURES, UTILITIES, TREES, LANDSCAPING, AND SITE WORK.
5. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ACTUAL CONDITIONS PRIOR TO COMMENCEMENT OF ACTUAL WORK.

LEGEND

----- DEMO

◇ DEMO KEYNOTES

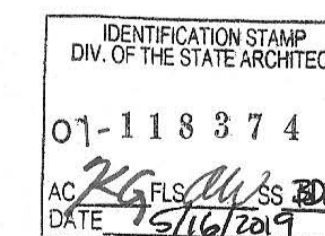
- ◇ 1 (E) FENCE AND CONC. CURB TO BE DEMOLISHED
- ◇ 2 (E) TREE TO REMAIN
- ◇ 3 (E) TREE TO BE REMOVED
- ◇ 4 (E) CONCESSIONS TRAILER TO BE REMOVED
- ◇ 5 REMOVE (E) FENCE AS INDICATED

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5. CONTRACTOR SHALL CO-ORDINATE ON-SITE STAGING AND INSTALLATION OF BUILDING WITH BUILDING MANUFACTURER.
6. NO CHANGES OR REVISIONS SHALL BE THAT AFFECT ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.
7. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE PROVIDED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
8. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWINGS:
 - ARCHITECT OR ENGINEER OF RECORD
 - STRUCTURE ENGINEER (WHEN APPLICABLE)
 - DELEGATED PROFESSIONAL ENGINEER
 - DSA
13. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATION.

○ KEYNOTES

- 1 RETAINING WALL, REFER TO CIVIL DRAWINGS
- 2 CURB, REFER TO CIVIL DRAWINGS
- 3 ORNAMENTAL FENCE, MATCH (E)
- 4 (E) ACCESSIBLE RAMP
- 5 (E) GATE
- 6 HANDRAIL, REFER TO DETAIL 6/A12.10



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www.Artika3.com

Key Plan

Project Title

PIEDMONT HILLS
CONCESSION BLDG.

1377 Piedmont Rd,
San Jose, CA 95132

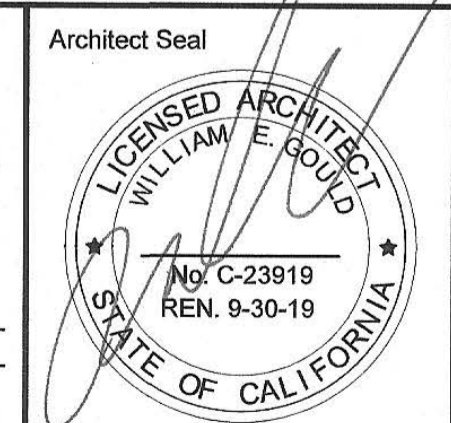
EAST SIDE UNION
HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

ENLARGED
SITE PLAN
& DEMO PLAN

Regulatory Agency Approval
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC: _____ FLS: _____ SS: _____
DATE: _____



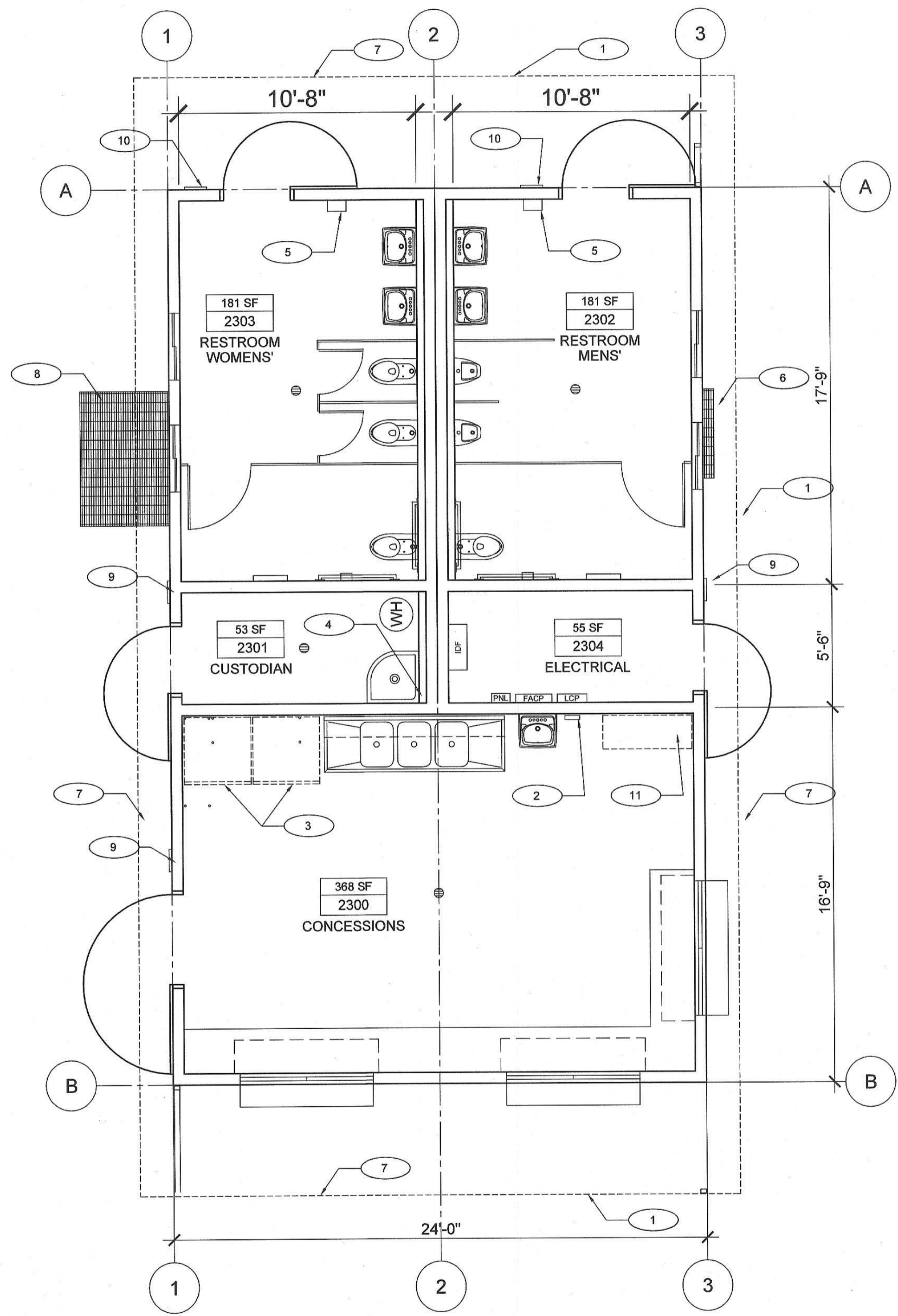
File Number
43-H10

Application Number
XX-XXXXXX

Project No.
135259

Drawing No

A1.03



GENERAL NOTES

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6. REFER TO DETAIL 2/A12.01 FOR FLASHING ALL AROUND THE MODULAR BUILDING.
7. REFER TO MODULAR DRAWING S1C.3(H) FOR VENT REQUIREMENTS.
8. ALL ITEMS/FIXTURES SHOWN WITHIN THE BUILDING WILL BE PROVIDED BY MODULAR MANUFACTURER, UNLESS OTHERWISE NOTED. ITEMS THAT ARE TO BE PROVIDED AND INSTALLED BY SITE CONTRACTOR ARE TO BE COORDINATED WITH MODULAR MANUFACTURER DRAWINGS FOR BLOCKING LOCATIONS/HEIGHTS. ALL BLOCKING FOR SITE CONTRACTOR PROVIDED/INSTALLED ITEMS WILL BE PROVIDED BY THE MODULAR MANUFACTURER.
9. ALL DOORS, DOOR FRAMES, AND DOOR HARDWARE ARE BY MODULAR MANUFACTURER. ALL DOOR SIGNAGE IS BY SITE CONTRACTOR.
10. REFER TO 1/A3.01, 1/A1, AND SHEET A1N FOR ADDITIONAL INFORMATION, TYP.
11. CONTRACTOR TO CO-ORDINATE ALL ROOM NAMES WITH THE SITE.

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KEYNOTES

- 1 EYE HOOKS @ FASCIA PROVIDED BY ENVIROPLEX
- 2 SOAP DISPENSER OFCI, BACKING TO BE PROVIDED BY ENVIROPLEX
- 3 REFRIGERATOR, OFCI, WT. LESS THAN 400 LBS & C.O.G. < 4'-0" A.F.P.
- 4 MOP HANGERS ABOVE THE MOP SINK
- 5 DYSON-BLADE HAND DRYER PROVIDED BY ENVIROPLEX
- 6 VENT COVER, REFER TO DETAIL 1/A12.10, MCHNCHOLS GHB-100
- 7 LINE OF MODULAR OVERHANG ABOVE, REFER TO PC DRAWINGS
- 8 CRAWL SPACE VENT COVER, REFER TO PC DRAWINGS AND DETAIL 1/A12.10 2'x4', MCHNCHOLS GHB-100
- 9 TACTILE ROOM SIGNAGE, REFER TO DETAIL 3/A12.10
- 10 TACTILE RESTROOM SIGNAGE, REFER TO DETAIL 4&5/A12.10
- 11 ICE-MAKER, OFCI

Key Plan

Project Title

**PIEDMONT HILLS
CONCESSION BLDG.**

1377 Piedmont Rd,
San Jose, CA 95132

**EAST SIDE UNION
HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

FLOOR PLAN

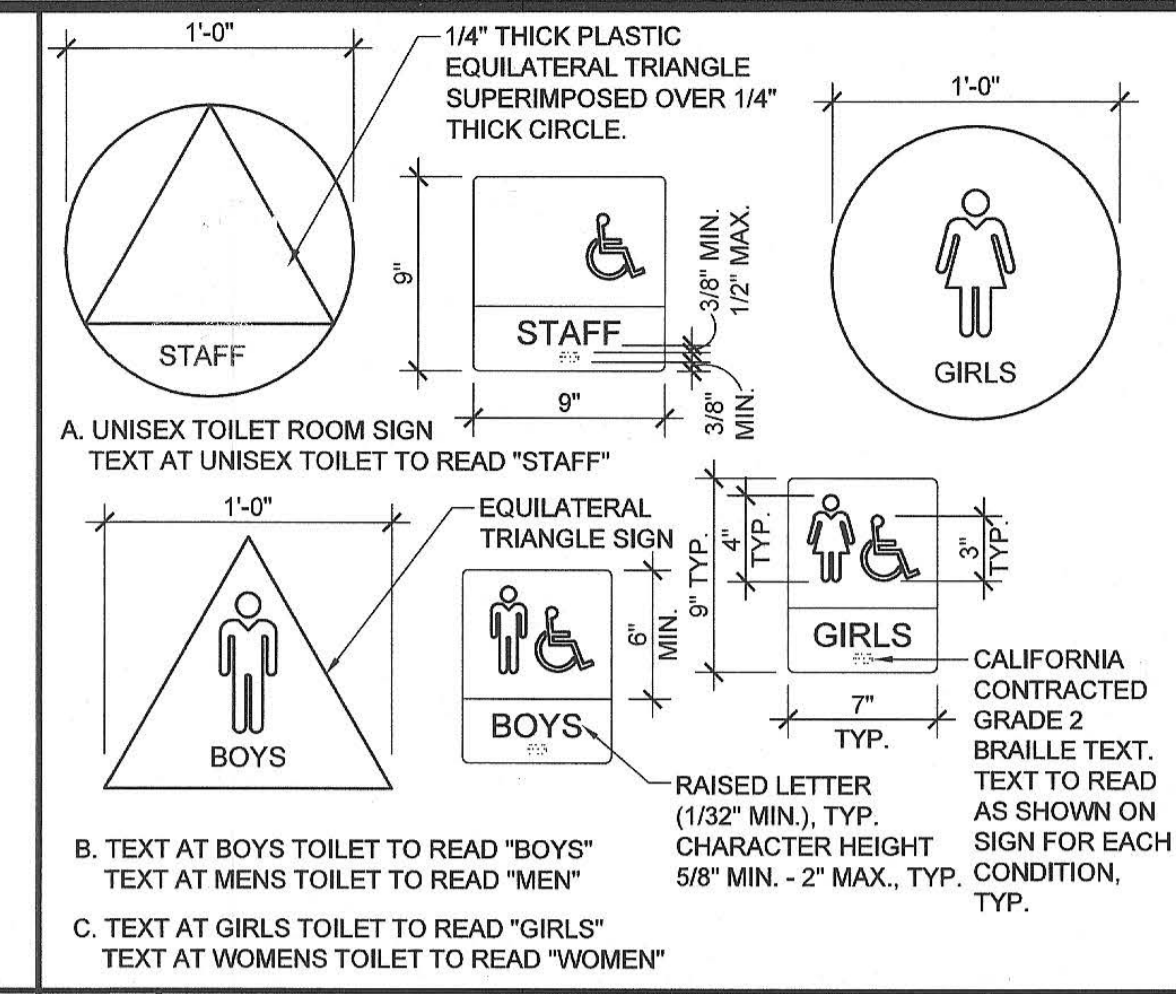
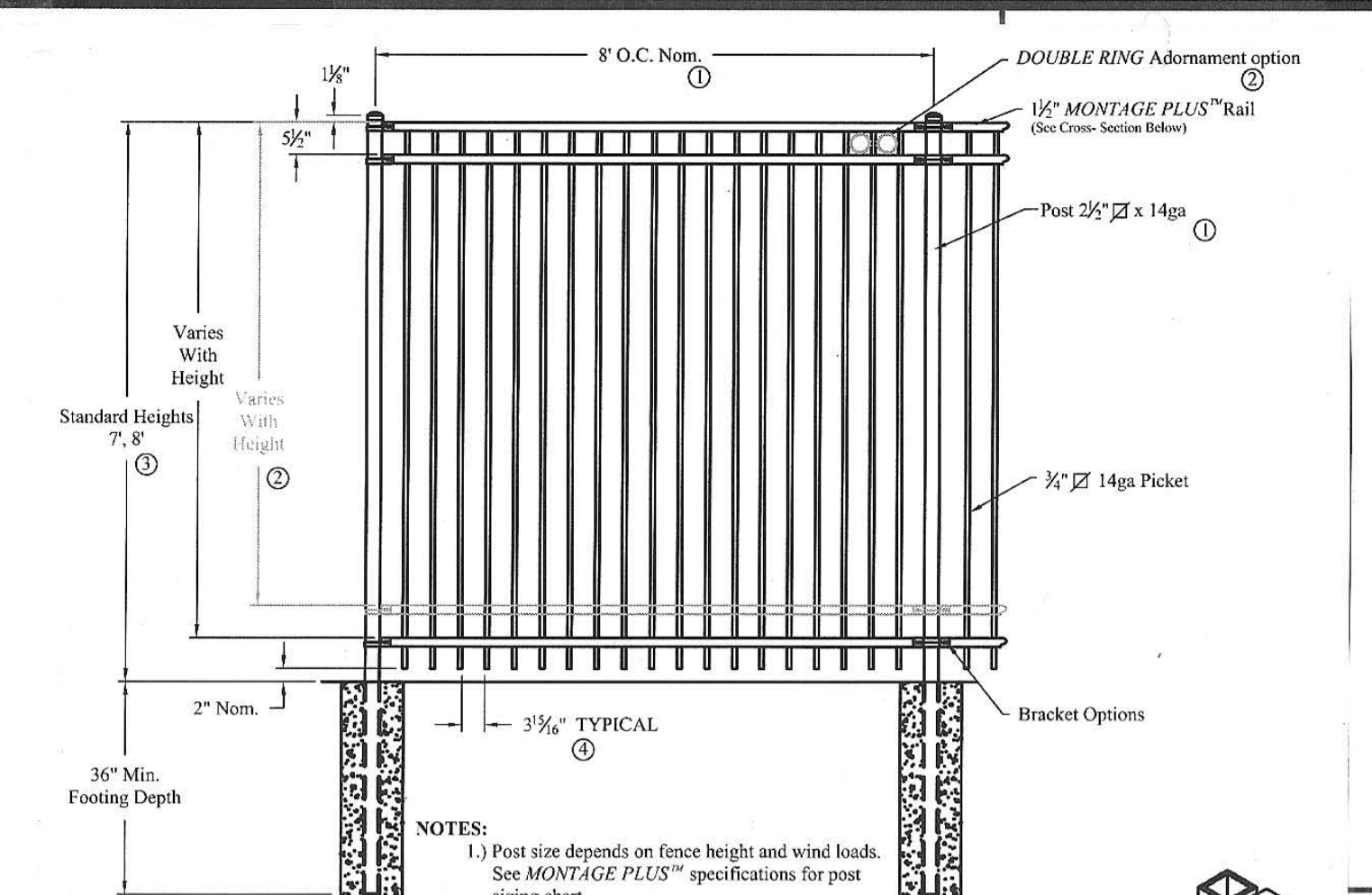
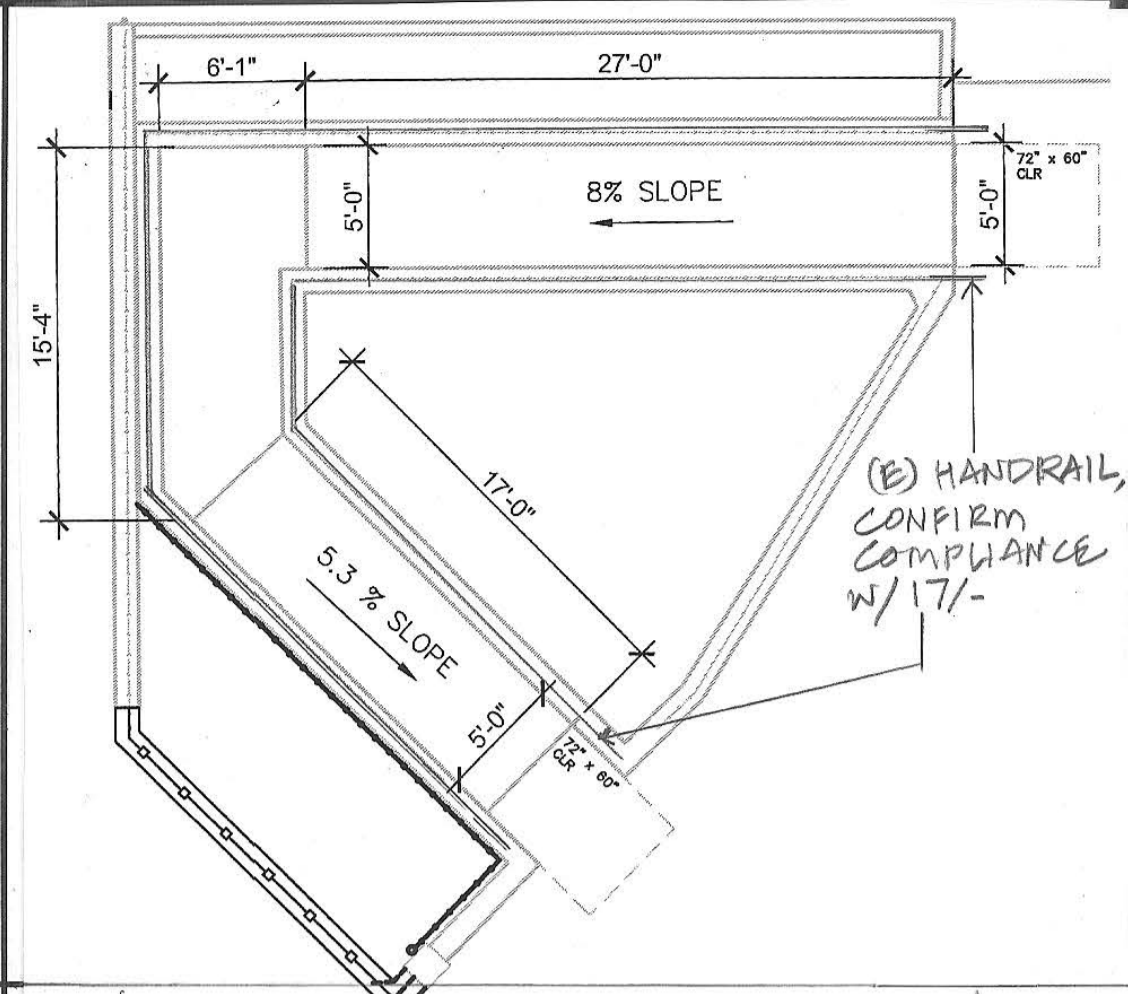
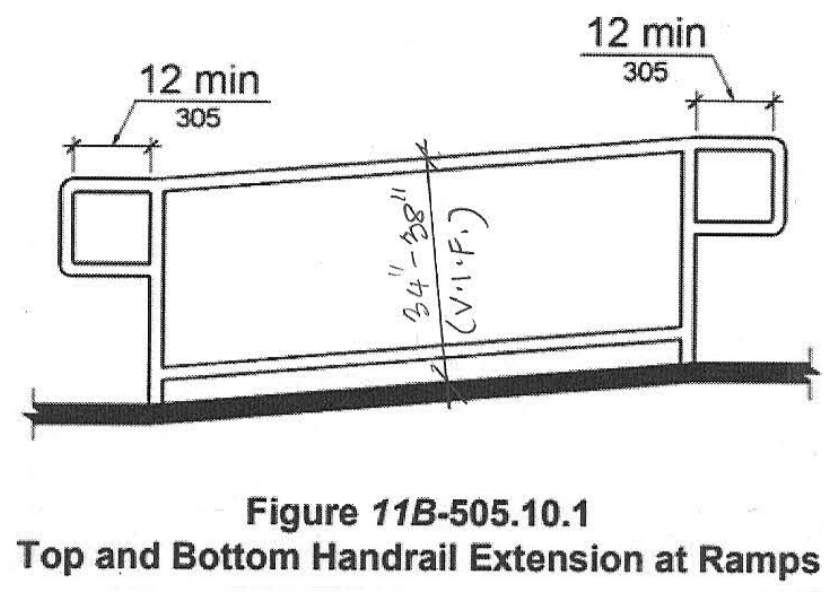
Regulatory Agency Approval

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC: *FLS* FLS SS BFP
DATE: *5/16/19*

Architect Seal

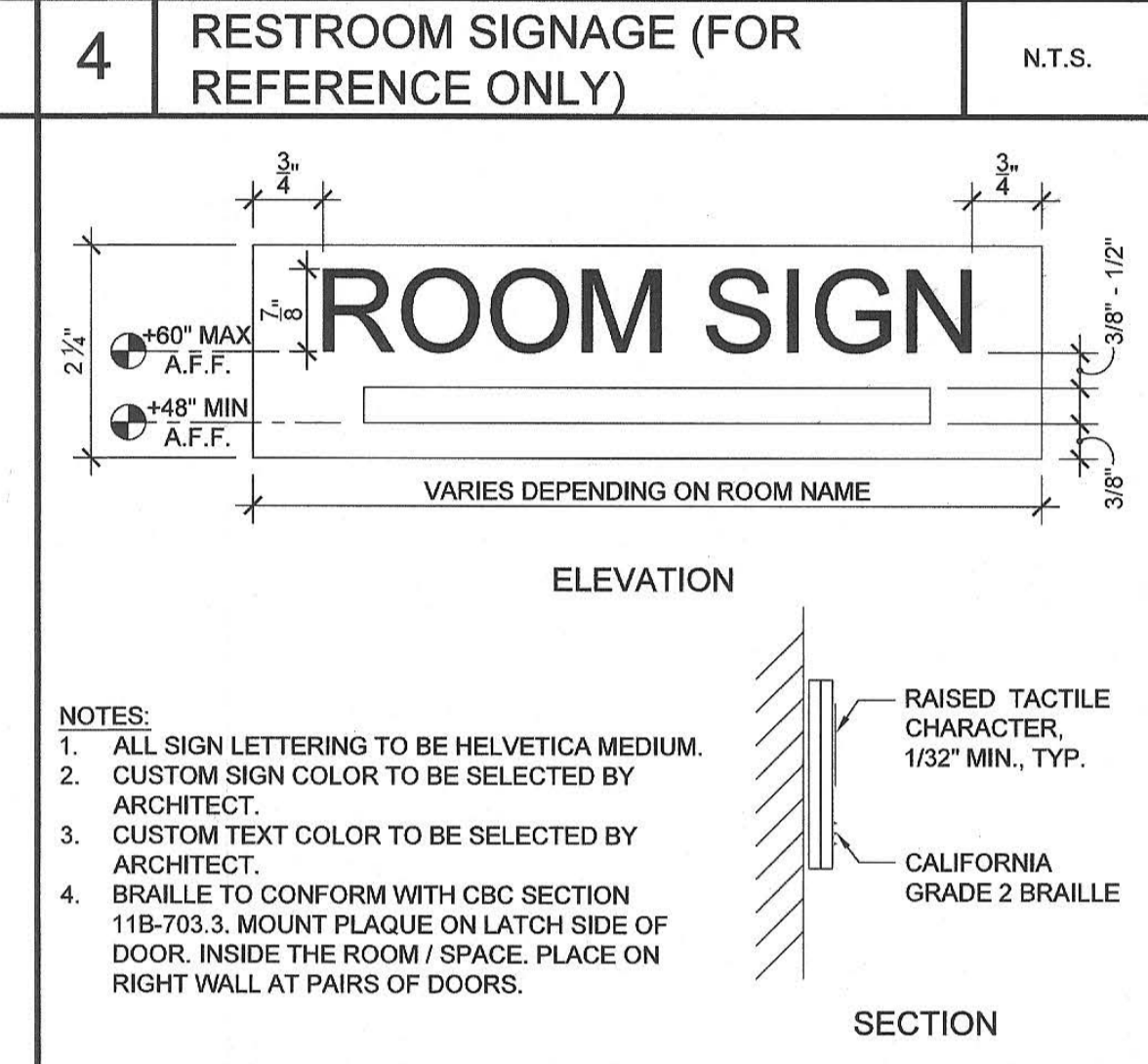
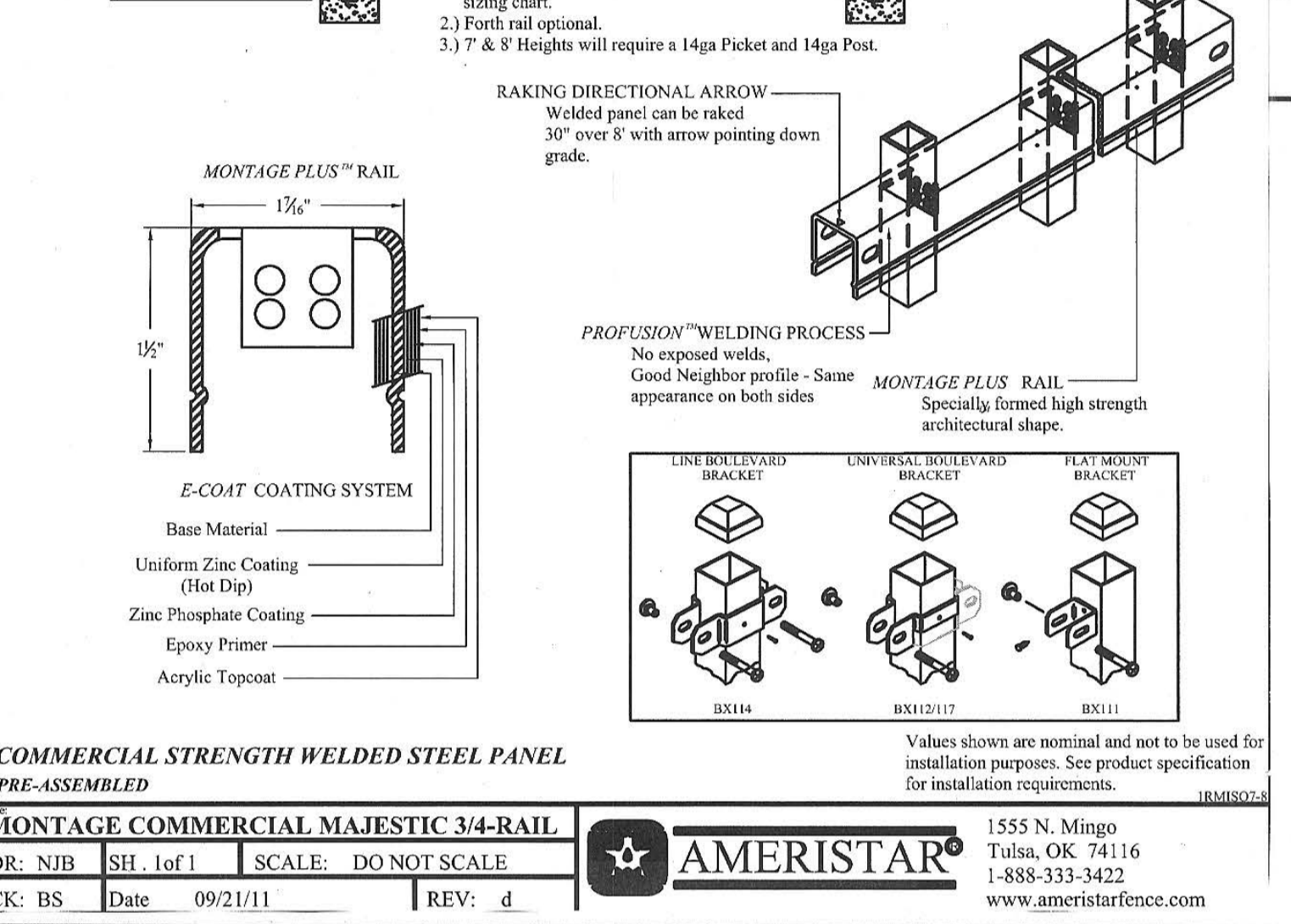
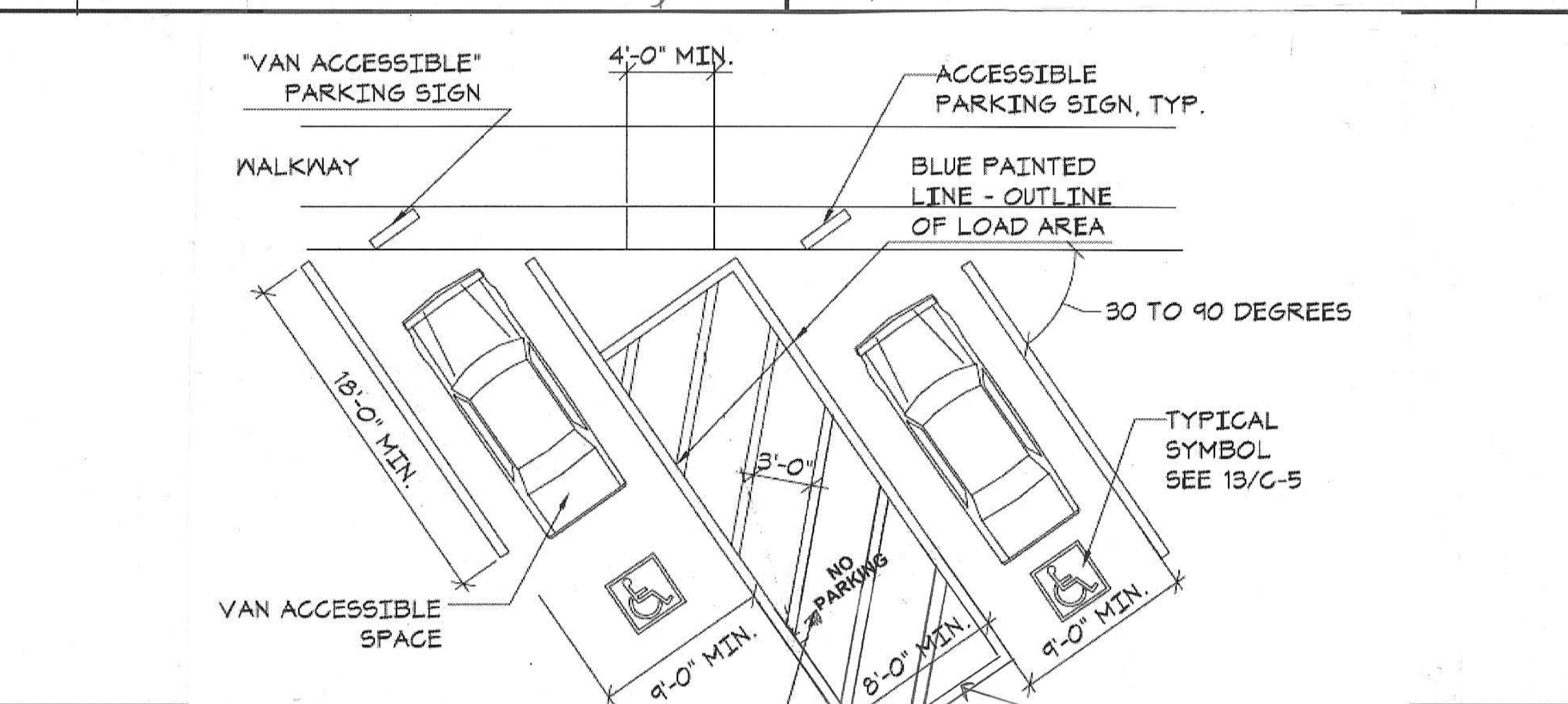
LICENSED ARCHITECT
WILLIAM E. BRADY
NO. C-23919
REN. 9-30-19
STATE OF CALIFORNIA

File Number	43-H10	Drawing No	A3.01
Application Number	XX-XXXXXX	Project No.	
Project No.	135259		

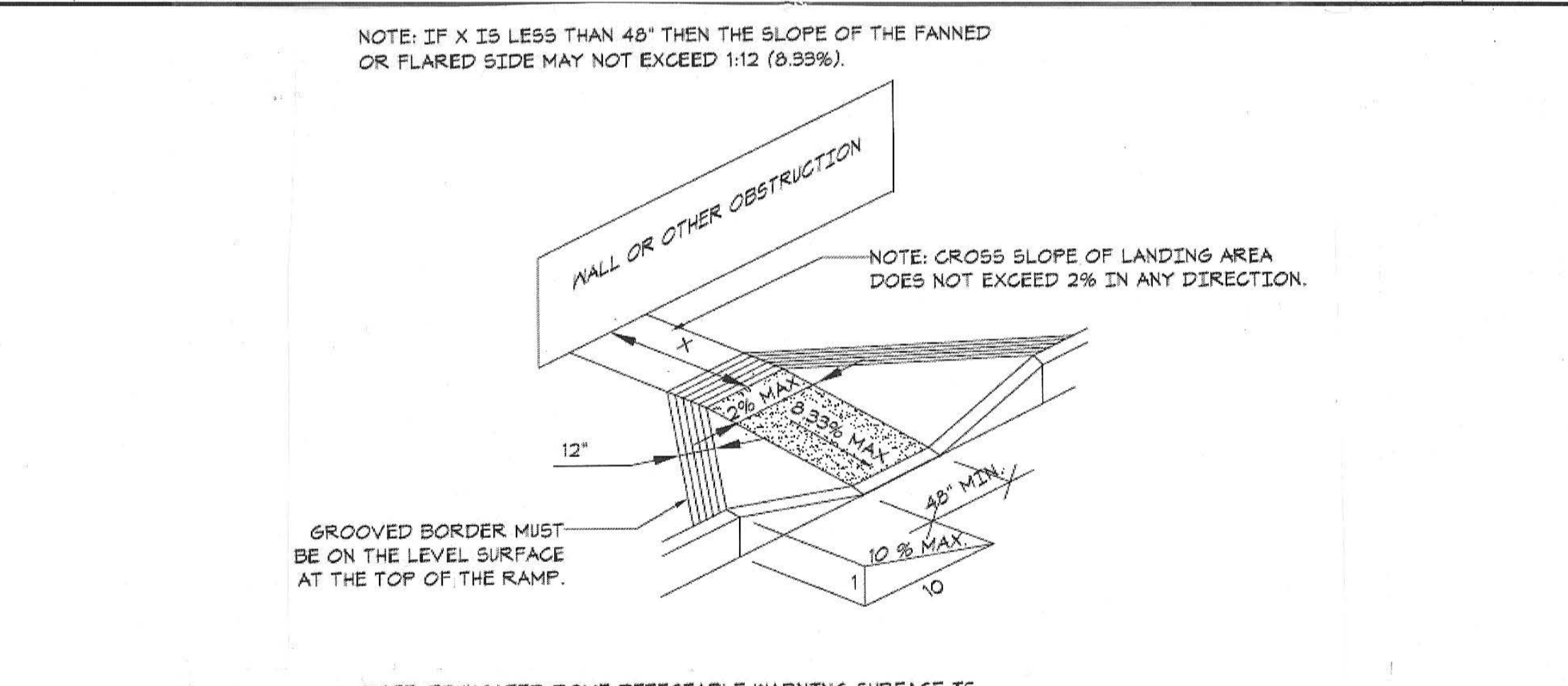


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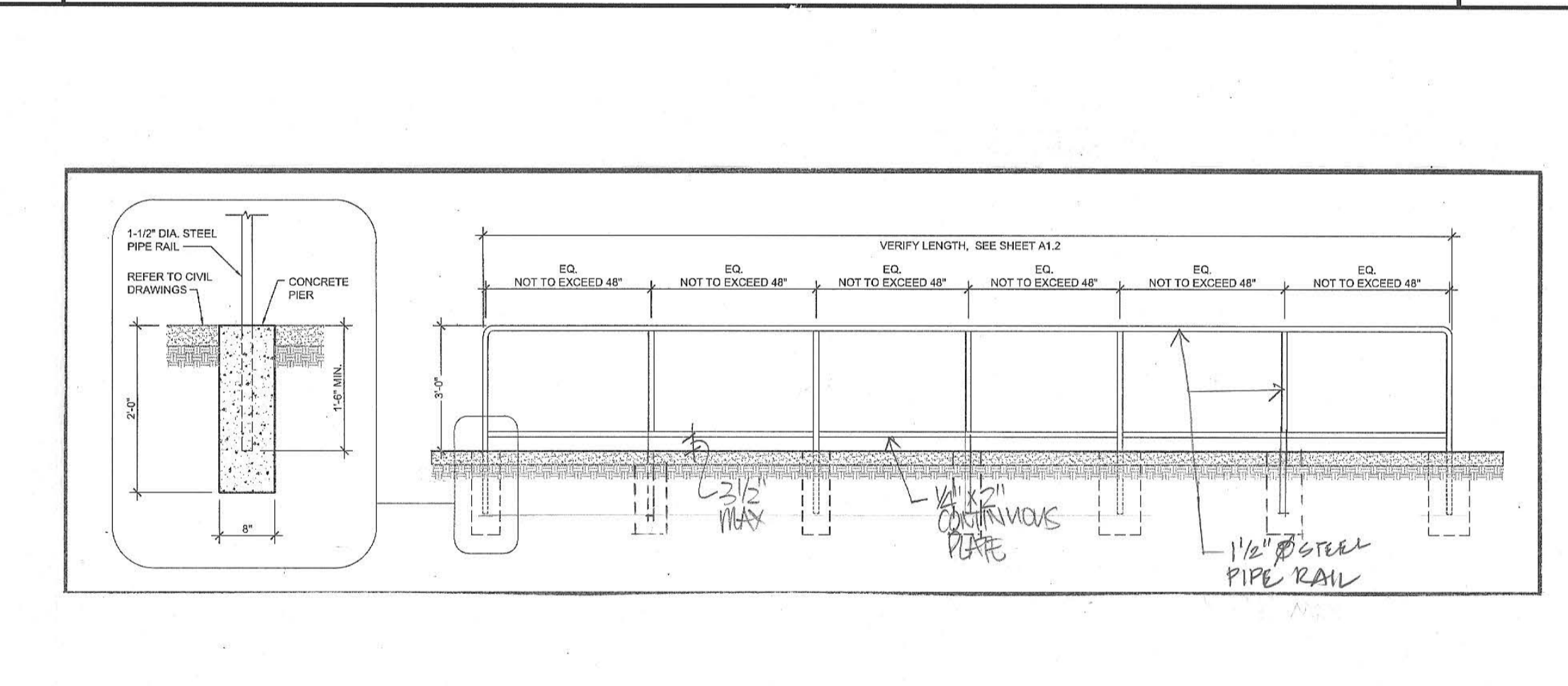
17 (E) HANDRAIL (FOR REFERENCE) N.T.S. 16 (E) ACCESSIBLE RAMP 1/8" = 1'-0"



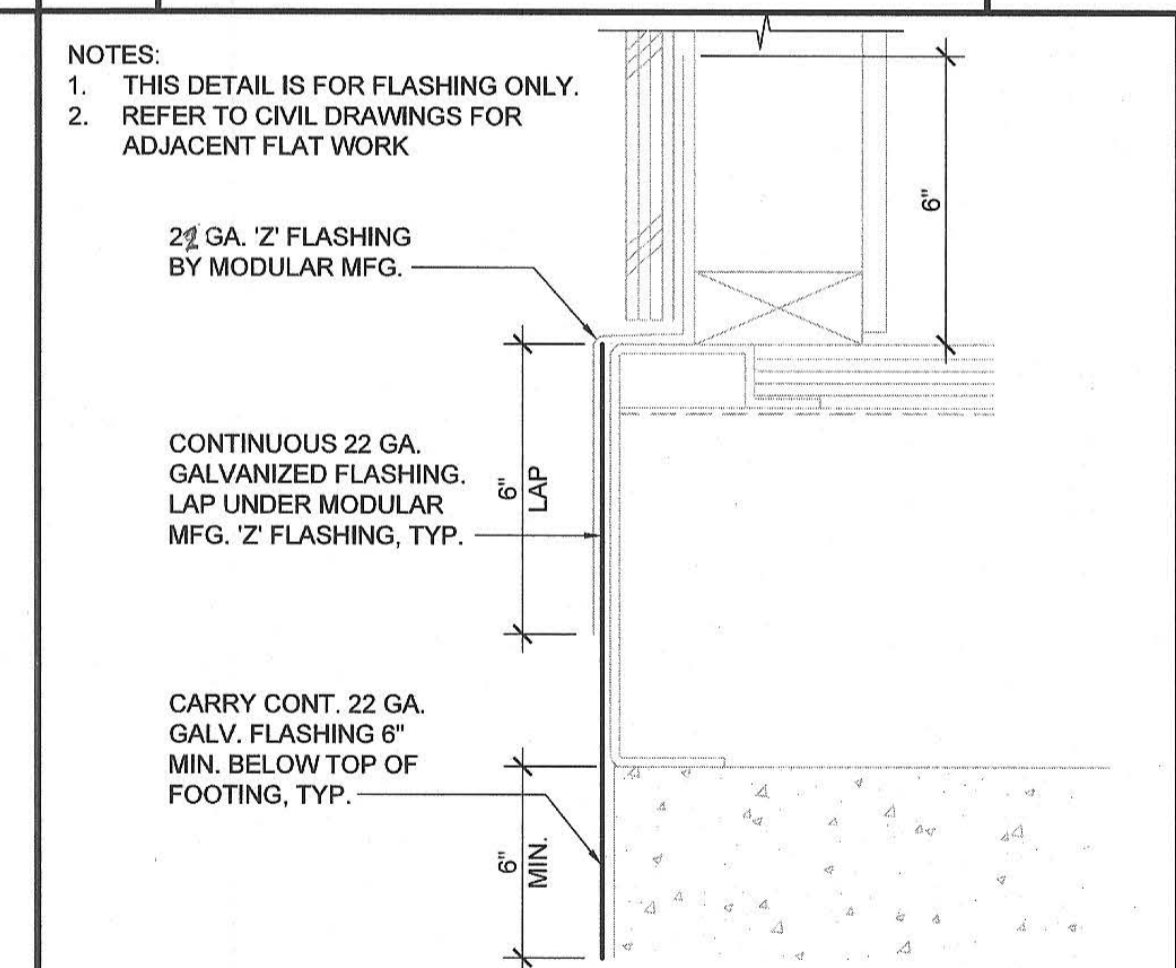
19 ACCESSIBLE PARKING N.T.S.



7 ORNAMENTAL METAL FENCE 1/2" = 1'-0"



3 ROOM SIGNAGE 6" = 1'-0"

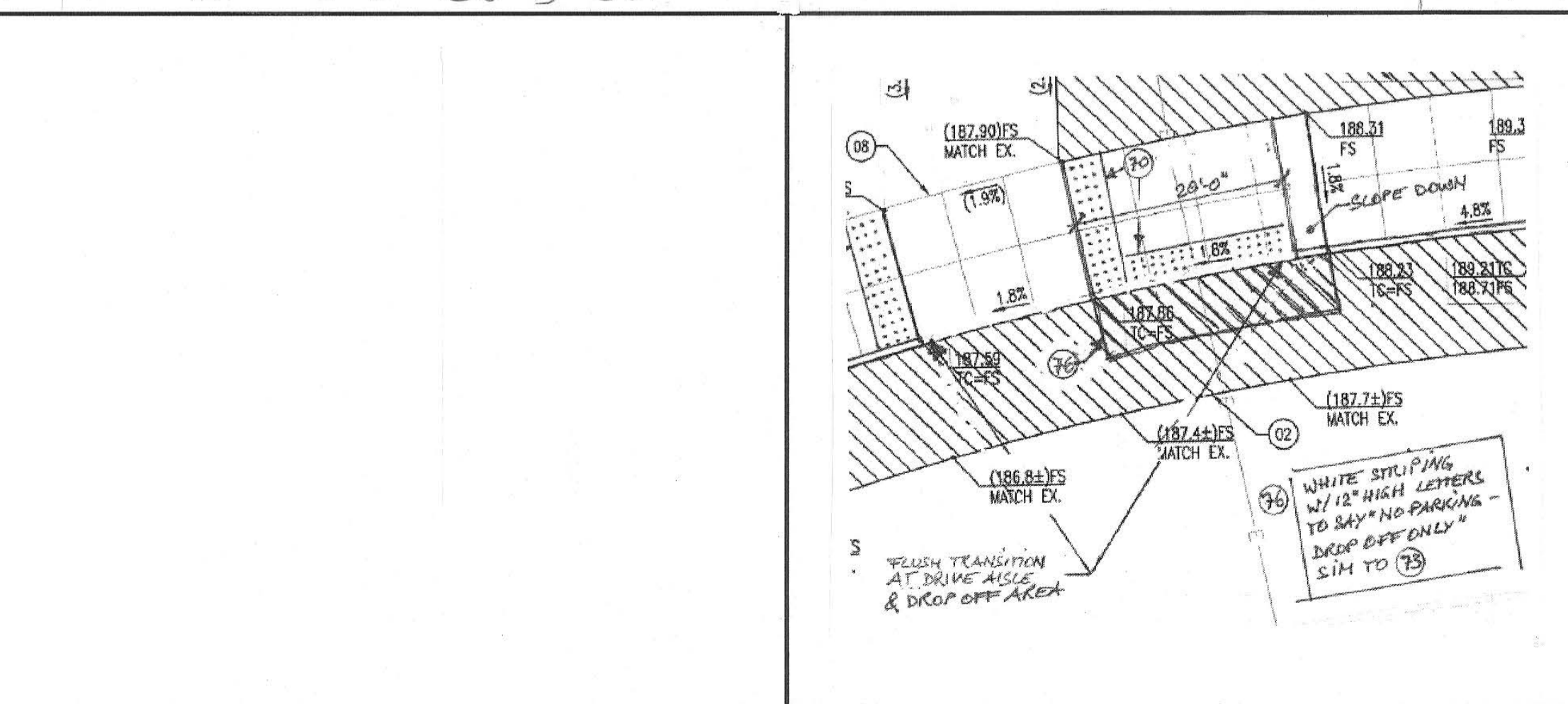


4 RESTROOM SIGNAGE (FOR REFERENCE ONLY) N.T.S.
Key Plan
Project Title
PIEDMONT HILLS CONCESSION BLDG.
1377 Piedmont Rd,
San Jose, CA 95132
EAST SIDE UNION HIGH SCHOOL DISTRICT

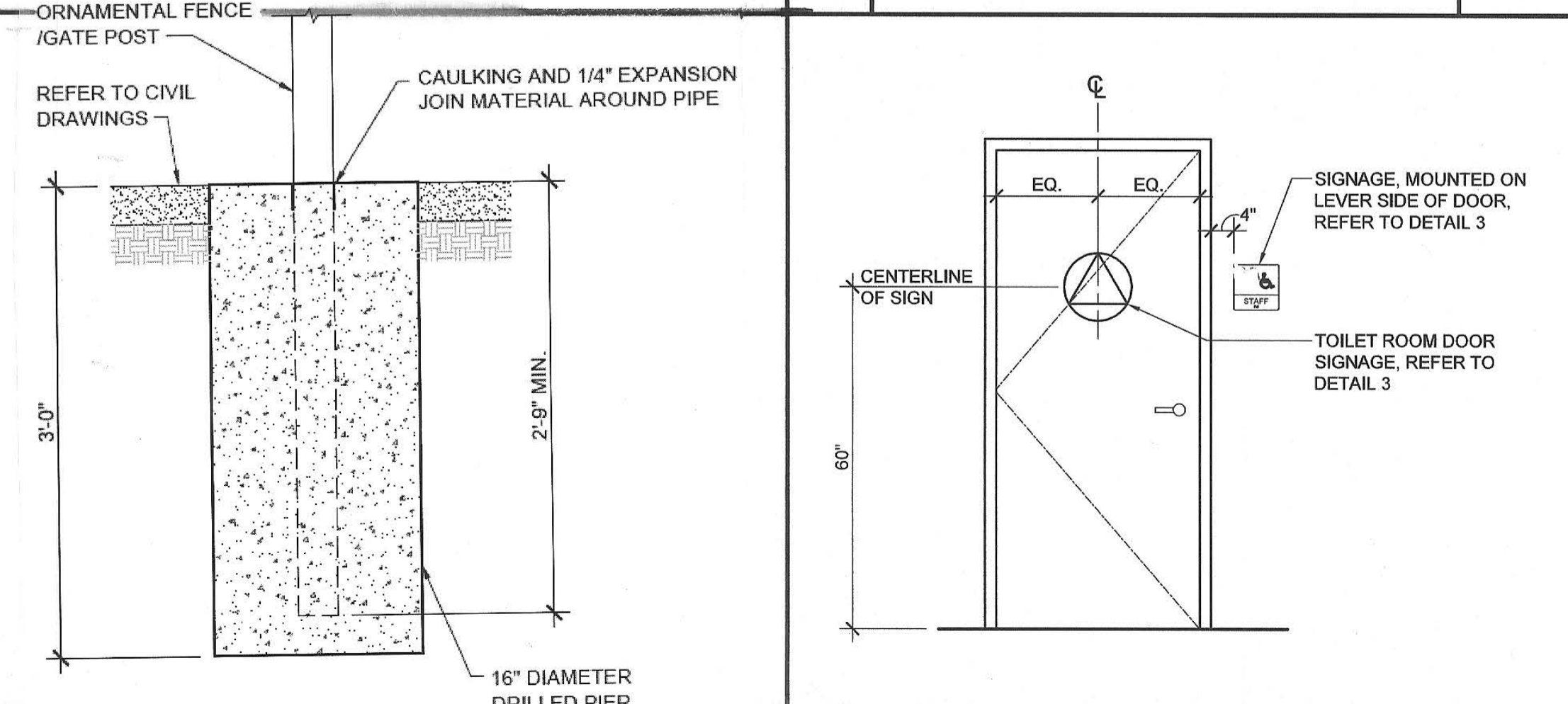
No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

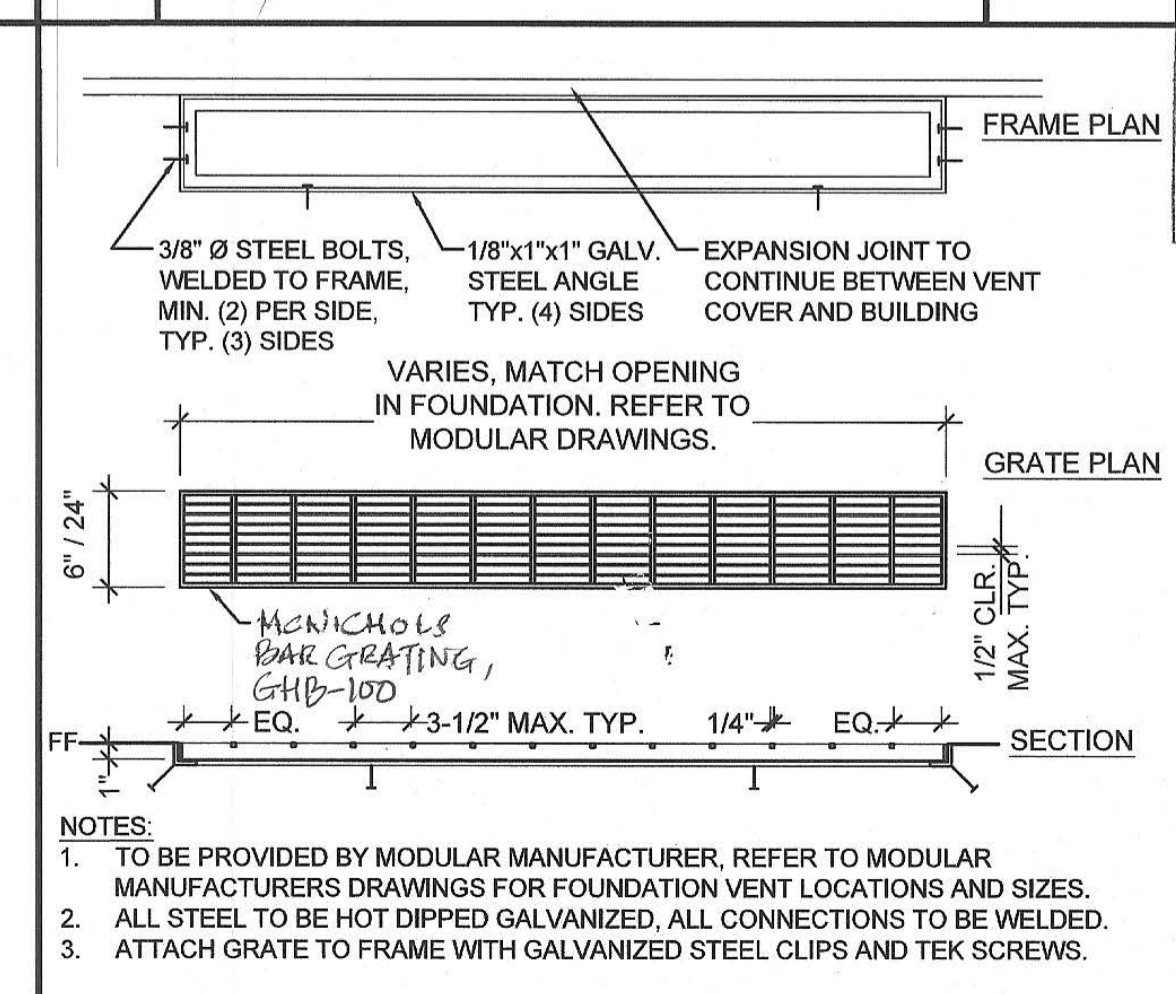
18 ACCESSIBLE CURB CUT N.T.S.



6 HANDRAIL DETAIL 3/4" = 1'-0"



2 FLASHING, TYP. 3" = 1'-0"



PROJECT IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
DATE 5/16/2019
Regulatory Agency Approval
Architect Seal
WILLIAM E. BOLD
No. C-23819
REN. 9-30-19
STATE OF CALIFORNIA

13 ACCESSIBLE DROP-OFF (FOR REF. ONLY)

9 FENCE POST PIER 1/2" = 1'-0"



5 RESTROOM DOOR SIGNAGE (FOR REFERENCE ONLY) N.T.S.



DETAILS
File Number 43-H10
Application Number XX-XXXXXX
Project No. 135259
Drawing No. A12.10

EROSION CONTROL GENERAL NOTES:


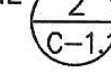
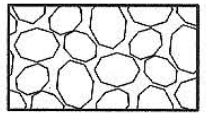
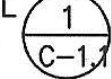

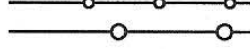
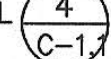
- PERFORM BEST MANAGEMENT PRACTICES FOR EROSION CONTROL.
- A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 15 TO APRIL 15). NECESSARY MATERIAL SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO INSURE THE RAPID CONSTRUCTION OF EMERGENCY DEVICES.
- EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED OR MODIFIED AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION IF THEY INTERFERE WITH GRADING OPERATIONS, OR IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
- EXCEPT AS OTHERWISE DIRECTED, ALL DEVICES SHOWN ON THE PLAN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY.
- ALL LOOSE SOIL AND DEBRIS WHICH MAY CREATE A POTENTIAL HAZARD TO OFFSITE PROPERTY SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION
- ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM OR AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION
- A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM.
- THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE SITE CONTRACTOR.
- GRAVEL BAGS SHALL BE STOCKPILED IN PARKWAY READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST OR WHEN DIRECTED.
- ALL ON-SITE DRAIN INLETS MUST BE LABELED "NO DUMPING - DRAINS TO BAY" USING THERMOPLASTIC PAINT OR OTHER APPROVED METHODS.
- EXACT LOCATION OF ENTRANCES, FENCING ETC. IS SUBJECT TO ADJUSTMENT BY THE CONTRACTOR AS THEY EXECUTE INTERIM CONDITIONS ON THE PROJECT. COORDINATE ACCESS POINTS AND PERIMETER WITH SCHOOL DISTRICT AND CM.

DUST CONTROL GENERAL NOTES:






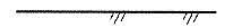




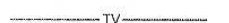

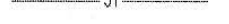
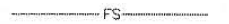
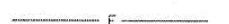
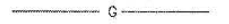
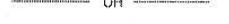

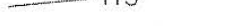


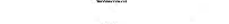





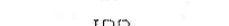


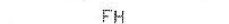
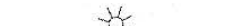






- CONTRACTORS SHALL MEET WITH SCHOOL DISTRICT AND CM TO DISCUSS EXCAVATION PROCEDURE PRIOR TO START OF WORK.
- DUST CONTROL MITIGATION NOTES:
 - WASH OFF TRUCKS BEFORE LEAVING THE SITE.
 - ROADWAYS TO BE PERIODICALLY SWEEPED AND KEPT CLEAN.
 - PROVIDE SOIL BINDER (HYDROSEEDING) AFTER GRADING.
 - TRUCK LOADS TO BE TARPED BEFORE LEAVING THE SITE.

PROVIDE EFFECTIVE SOIL COVER FOR INACTIVE AREAS, (AREAS OF CONSTRUCTION ACTIVITY THAT HAVE BEEN DISTURBED AND ARE NOT SCHEDULED TO BE RE-DISTURBED FOR AT LEAST 14 DAYS), FINISHED SLOPES, AND UTILITY BACKFILL (I.E. SOIL BINDER, HYDROSEEDING) FOR DUST CONTROL.

LEGEND

-  INSTALL TEMPORARY GRAVEL BAGS W/ SILT SACK AND STRAW WATTLES AROUND STORM INLET, PER DETAIL  C-1.
-  GRAVEL CONSTRUCTION ENTRANCE PER DETAIL  C-1.
-  CONSTRUCTION FENCE WITH SCREEN
-  STRAW WATTLES PER DETAIL  C-1.

LEGEND

-  PROPERTY LINE
-  STREET CENTERLINE
-  EASEMENT LINE
-  CONCRETE CURB
-  CURB & GUTTER
-  EDGE OF PAVEMENT
-  FENCE
-  STORM DRAIN
-  SANITARY SEWER
-  WATER LINE
-  CABLE TELEVISION
-  TELEPHONE
-  JOINT TRENCH (ELEC., TEL., GAS & CATV)
-  FIRE SERVICE
-  ELECTRIC LINE
-  GAS LINE
-  OVERHEAD POWER
-  COMMUNICATION
-  CONTOUR LINE
-  ELECTRICAL BOX
-  CLEAN OUT TO GRADE
-  PULL BOX
-  GAS VALVE
-  STORM DRAIN MANHOLE
-  SANITARY SEWER MANHOLE
-  AREA DRAIN
-  CATCH BASIN
-  HOSE BIB
-  IRRIGATION BOX
-  WATER BOX
-  WATER METER
-  FIRE HYDRANT
-  LIGHT POLE
-  WATER VALVE
-  SPOT ELEVATION
-  TREE W/SIZE
-  TREE W/SIZE & DRIPLINE
-  FOUND STANDARD CITY MONUMENT

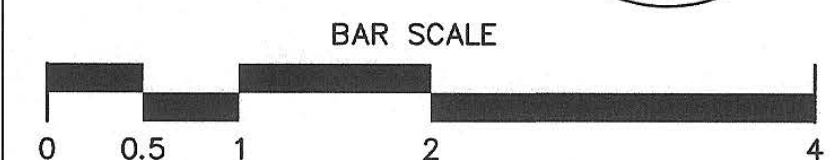


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BRIO JOB NO.: ESSD1922



Key Plan

Project Title

**PIEDMONT HILLS
CONCESSION BLDG.**

1377 Piedmont Rd,
San Jose, CA 95132

**EAST SIDE UNION
HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

**SITE EROSION
CONTROL PLAN**

Regulatory Agency Approval

Architect Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC 26 FLS 14 SS 30F
DATE 5/16/2019

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
XX-XXXXXX



AC _____ FLS _____ SS _____
DATE _____

File Number

Drawing No

43-H10

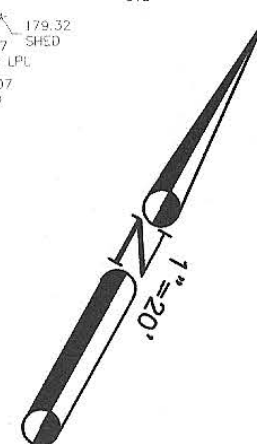
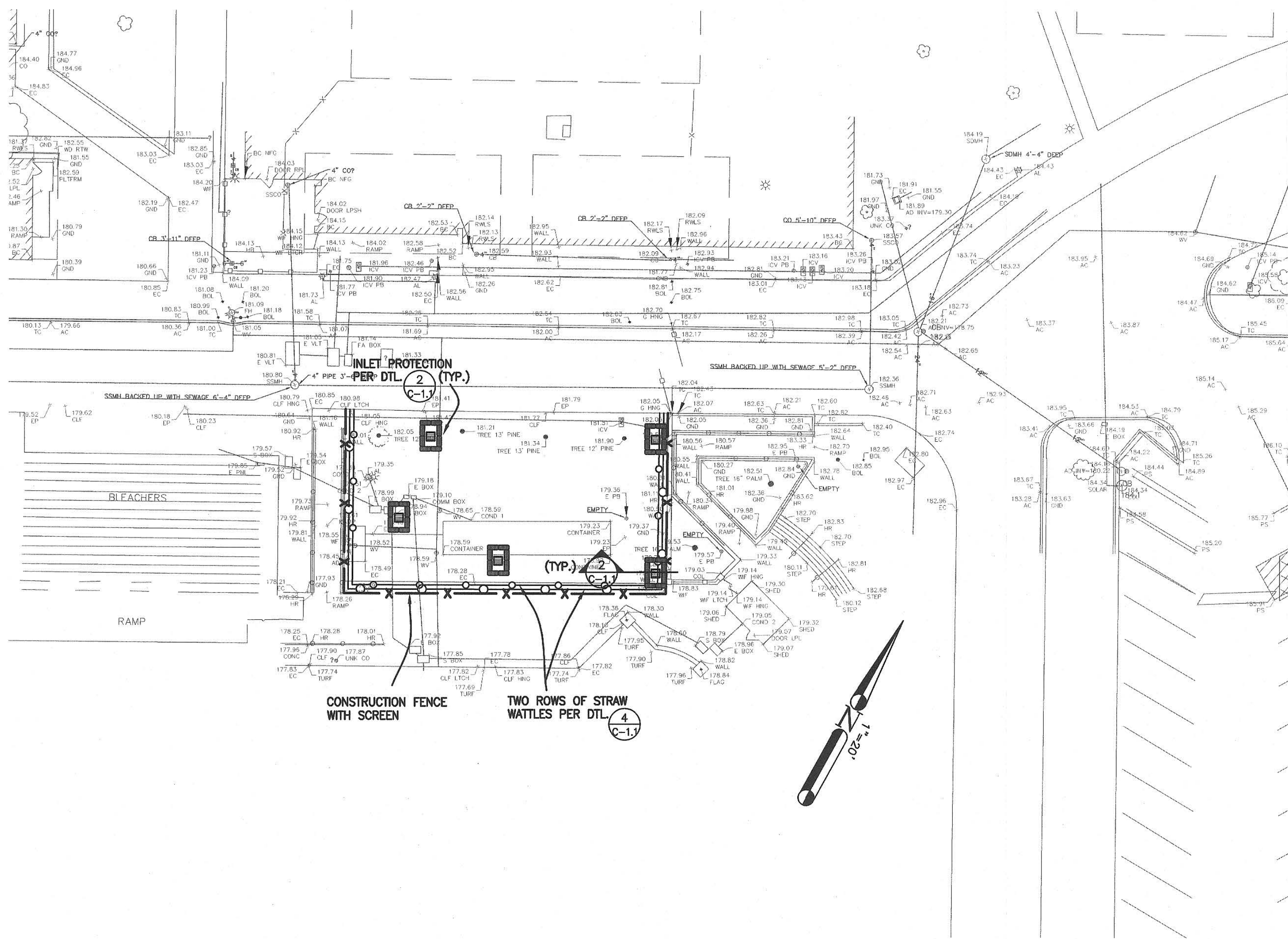
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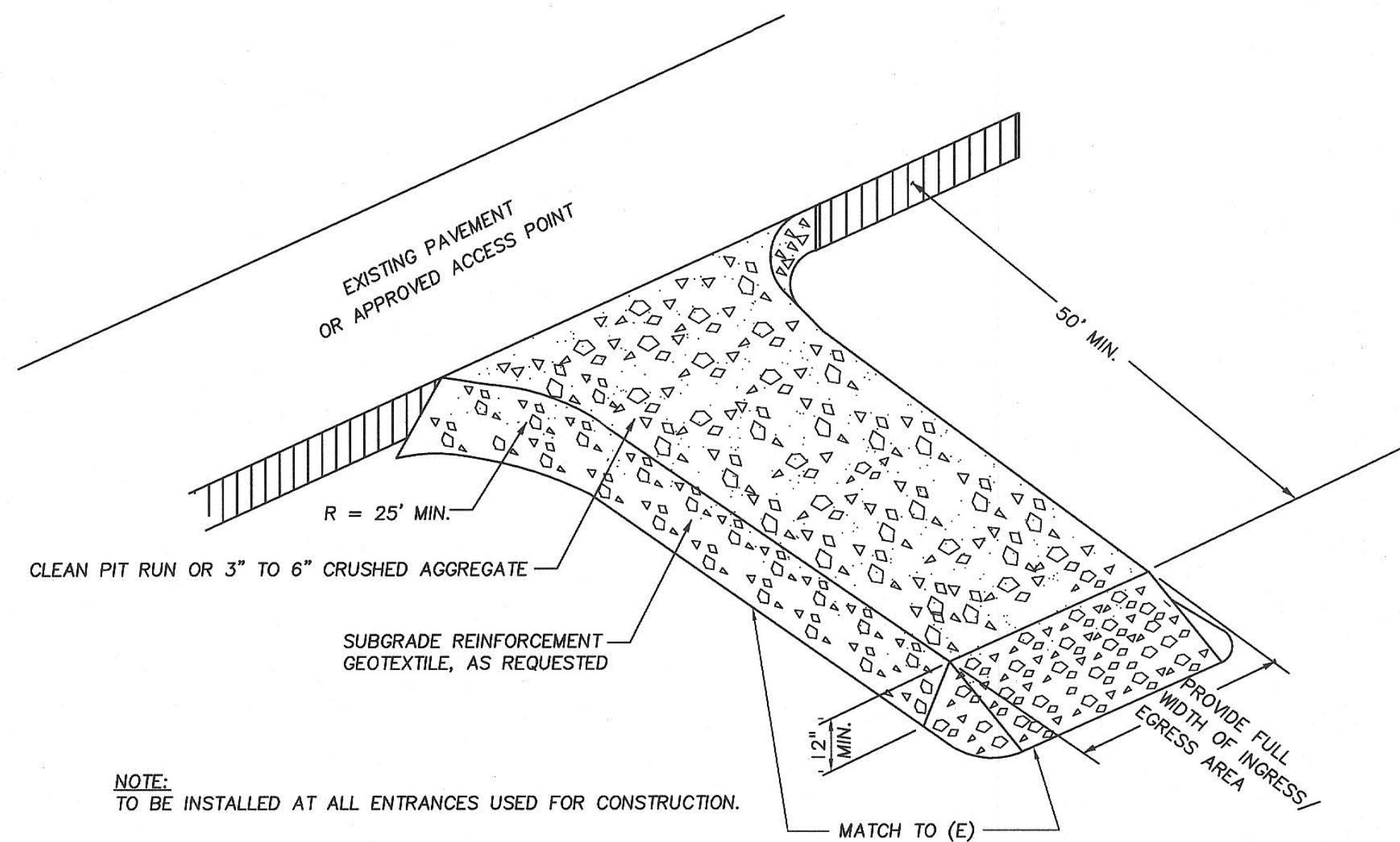
Application Number

XX-XXXXXX

Project No.

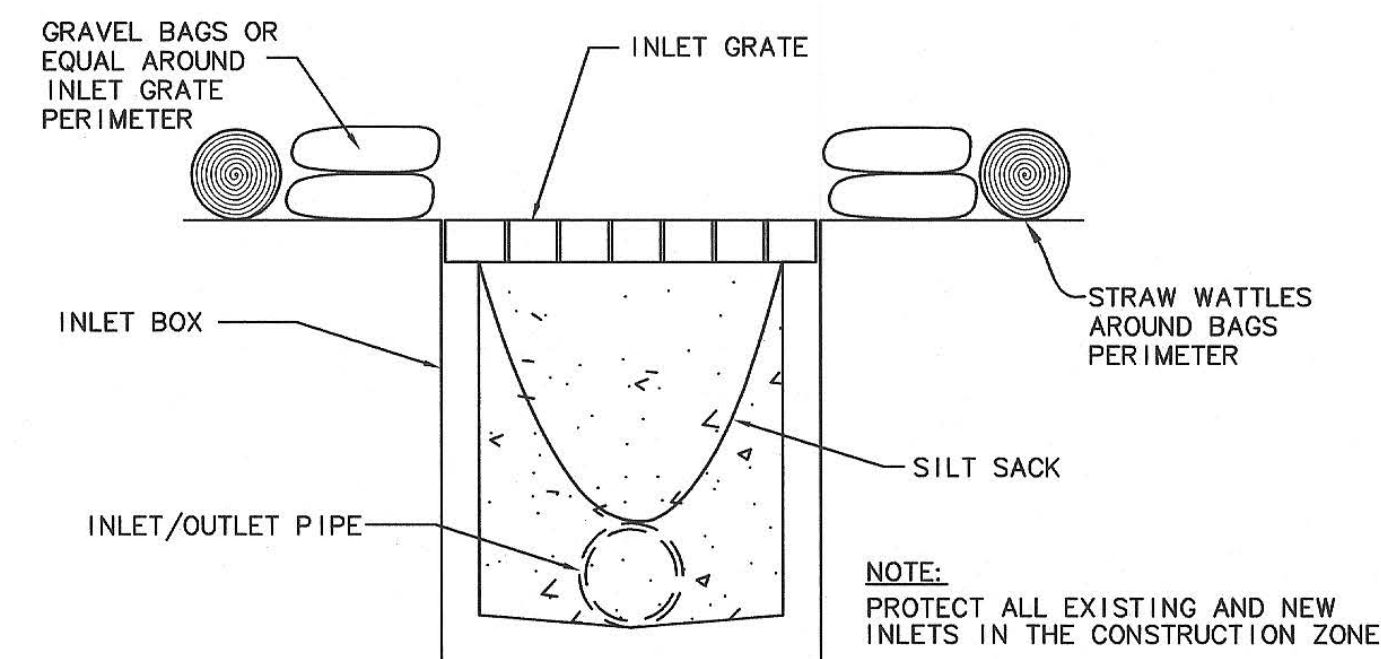
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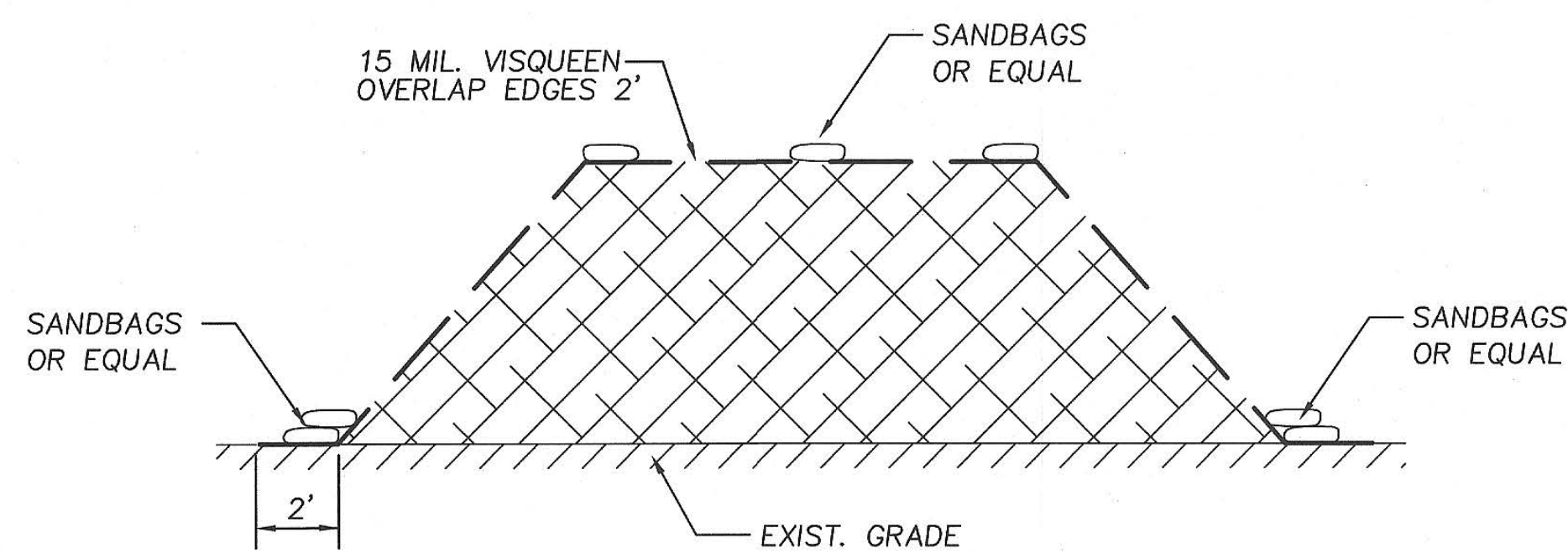
GRAVEL DRIVEWAY

1
C-1.1
DETAIL
N.T.S.



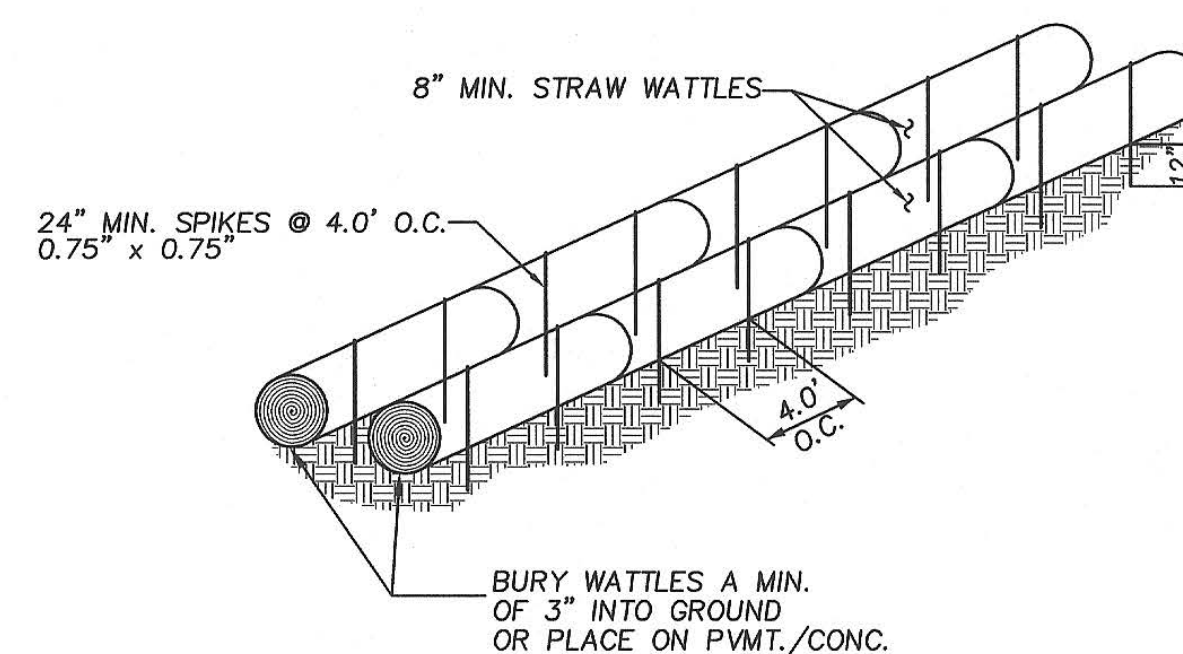
INLET PROTECTION

2
C-1.1
DETAIL
N.T.S.



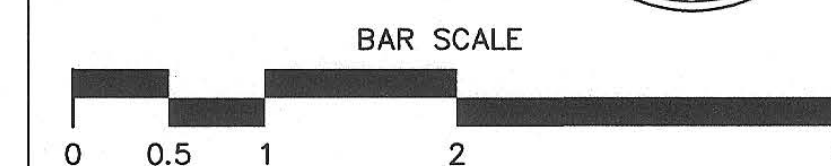
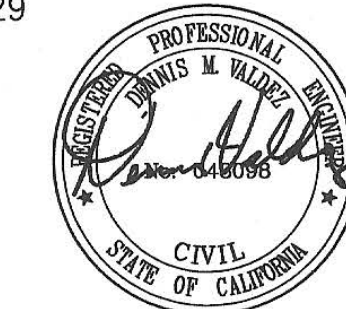
SOIL STOCK PILE

3
C-1.1
DETAIL
N.T.S.



STRAW WATTLES

4
C-1.1
DETAIL
N.T.S.



Key Plan

Project Title

**PIEDMONT HILLS
CONCESSION BLDG.**

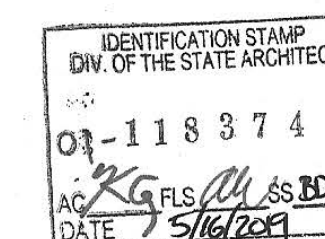
1377 Piedmont Rd,
San Jose, CA 95132

**EAST SIDE UNION
HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

**SITE EROSION
CONTROL DETAILS**

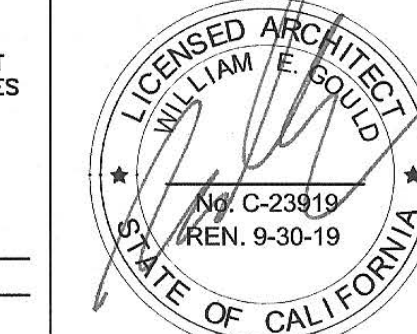


Regulatory Agency Approval

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

XX-XXXXXX
AC FLS SS
DATE 5/16/2019

Architect Seal



File Number

43-H10

Application Number

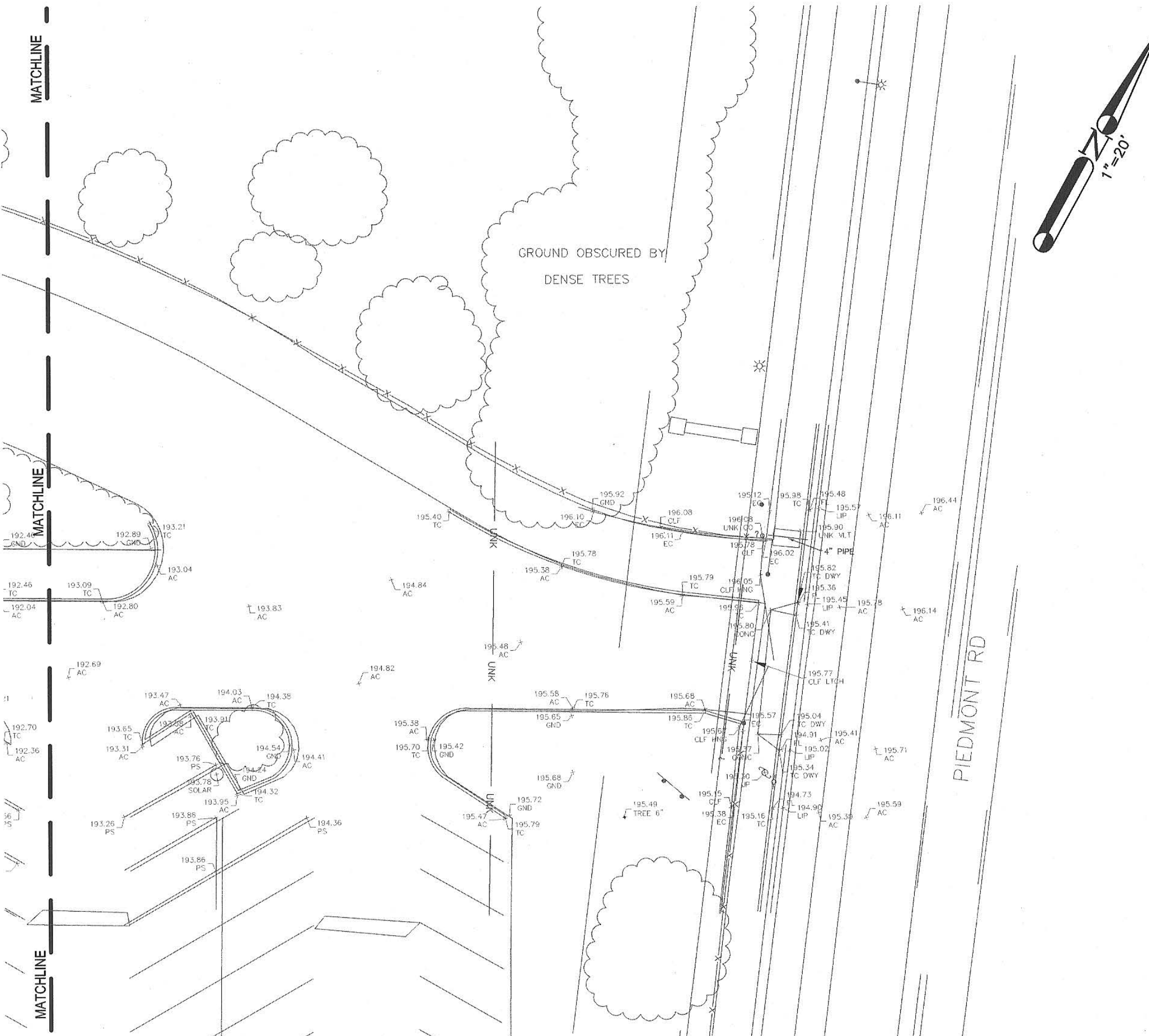
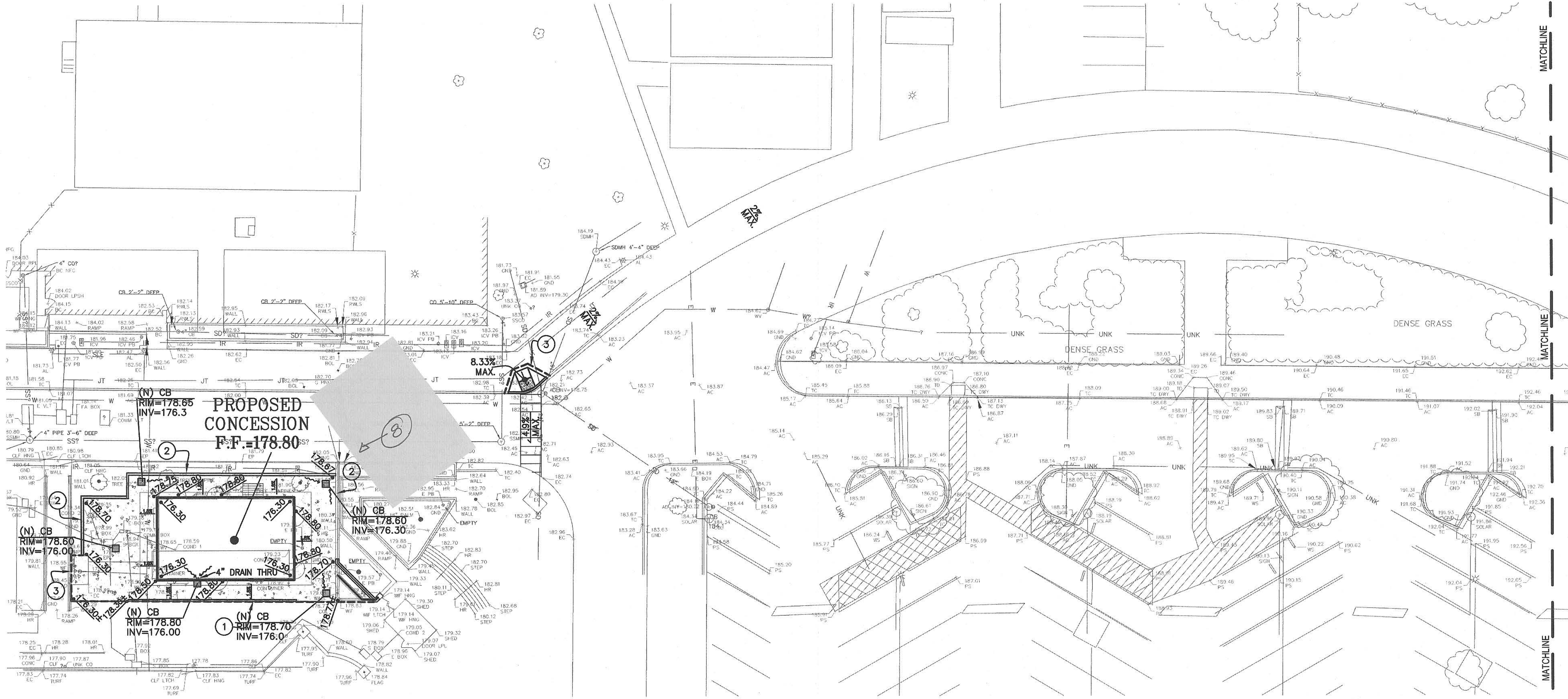
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Project No.

135259

Drawing No

C-11



EXISTING	PROPOSED	DESCRIPTION
---	---	PROPERTY LINE
---	---	SETBACK LINE
---	---	LIMIT OF WORK
---	---	CENTER LINE
---	---	EXCEPTION
---	---	EASEMENT LINE
---	---	CONCRETE CURB
---	---	CONCRETE CURB & GUTTER
---	---	SAWCUT/CONFORM LINE
---	---	HEADER BOARD
---	---	TRAFFIC MARKINGS
---	---	SIGN
---	---	ACCESSIBLE RAMP
---	---	FIRE HYDRANT
---	---	EDGE OF PAVEMENT
---	---	FENCE
---	---	STORM DRAIN & SIZE
---	---	PERFORATED PIPE
---	---	SANITARY SEWER & SIZE
---	---	DOMESTIC WATER LINE
---	---	TELEPHONE LINE
---	---	JOINT TRENCH (ELEC., TEL., GAS & CATV)
---	---	FIRE SERVICE LINE & SIZE
---	---	ELECTRIC LINE
---	---	GAS LINE & SIZE
---	---	COMMUNICATION LINE
---	---	(E) UTILITY TO BE ABANDONED OR REMOVED IF IT IS WITHIN THE NEW BLDG. FOOTPRINT/FOOTING AREA.
---	---	GRADE BREAK
---	---	CONTOUR LINE
---	---	CLEAN OUT TO GRADE
---	---	CATCH BASIN
---	---	AREA DRAIN
---	---	DRAINAGE ARROW
---	---	BACK FLOW PREVENTOR
---	---	POST INDICATOR VALVE
---	---	FIRE DEPT. CONNECTION
---	---	SANITARY SEWER MANHOLE
---	---	STORM DRAIN MANHOLE
---	---	WATER VALVE
---	---	STREET LIGHT
---	---	GUY WIRE
---	---	JUNCTION POLE
---	---	TELEPHONE BOX
---	---	UNKNOWN UTILITY BOX
---	---	POWER (ELECTRICAL) BOX
---	---	WATER METER
---	---	WATER BOX
---	---	VALLEY GUTTER
---	---	SPOT ELEVATION
---	---	TREE W/SIZE & DRIPLENE
---	---	TREE W/SIZE & NO DRIPLENE

GRADING KEYNOTES

- ① (N) GUARDRAIL PER ARCH. PLANS
- ② (N) 3' RETAINING WALL PER DTL. ③ (TYP.)
- ④ CONFORM TO (E) GRADE (SEE NOTE 4)

GRADING NOTES:

1. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON WERE TAKEN FROM RECORD DATA. NO GUARANTEE IS MADE OR IMPLIED AS TO THE ACCURACY OF SUCH RECORD DATA. NO EXCAVATIONS WERE MADE TO CONFIRM LOCATIONS. CONTRACTORS SHALL CONTACT U.S.A. UNDERGROUND (1-800-227-2600) AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
2. IRRIGATION LATERALS, PARKING LOT LIGHTING WIRING AND SIGNAL WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
3. ALL FINISH GRADES SHOWN ARE TO TOP OF PAVEMENT NOT TOP OF CURB UNLESS NOTED OTHERWISE. TOP OF CURB ELEVATION IS 6" ABOVE TOP OF PAVEMENT UNLESS NOTED OTHERWISE.
4. GRADING CONFORM LINE AND MATCH POINTS [EXAMPLE: (39.05±(E))] TO EXISTING CONDITIONS ARE BASED ON ESTIMATED ELEVATIONS FROM AERIAL AND TOPOGRAPHIC SURVEYS. CONTRACTOR SHALL VERIFY ELEVATIONS AT CONFORM AND MATCH POINTS BEFORE GRADING TO ENSURE PROPER DRAINAGE AND SLOPES.
5. ALL CATCH BASINS SHALL BE OLDCASTLE (12"x12") WITH TRAFFIC WEIGHT GRATES. BOLTED DOWN. WHEN PIPE SIZES ARE 10" OR GREATER USE CATCH BASIN OLDCASTLE (24"x24"), UNLESS NOTED OTHERWISE. FOR CATCH BASINS IN WALKWAY AREAS, INCLUDING EXISTING CATCH BASINS, USE HEEL PROOF, ADA, AND TRAFFIC WEIGHT GRATE BY OLDCASTLE (888) 965-3227 OR APPROVED ALTERNATE. SEE DTL. 7/C-4.
6. ADJUST ALL (E) UTILITY VALVES, BOX, ETC. INCLUDING NOT SHOWN TO FINISHED GRADE (TYP.)
7. CONTRACTOR IS RESPONSIBLE FOR PRESERVING & PROTECT ALL SURVEY CONTROL POINTS. A LICENSED LAND SURVEYOR SHALL REPAIR AND/OR REPLACE ANY SURVEY CONTROL POINTS THAT ARE DISPLACED OR DAMAGED.
8. ALL GRADING, EXCAVATION, COMPACTION, AND EXPANSIVE SOIL REMEDIATION SHALL BE OBSERVED BY THE SOIL ENGINEER. CONTACT SOILS ENGINEER 48 HOURS PRIOR TO COMMENCING WORK. SOIL ENGINEER: CLEARLY CONSULTANTS, INC. (650) 948-0574. SOIL REPORT PROJECT NO. 978.7H/SER. 6226 - DATED: MAY 10, 2004

PAVING LEGEND

NEW CONCRETE PAVING SECTION 4" CONC. W/ #4 @ 18" O.C.E.W. OVER 6" CL. II A.B., EXPANSION JOINTS @ 24' O.C. AND SCORED @ 4' O.C. SEE DTL. 2/C-3 WHERE (N) CONC. MEETS LANDSCAPE, (N) THICKENED EDGE CONC. PER DTL. 1/C-4.1 (TYP.) SEE DTL. 2/C-4.1 WHERE (N) CONC. MEETS BUILDING FACE (TYP.) SEE DTL. 3/C-4 WHERE (N) CONC. MEETS (E) CONC. (TYP.)

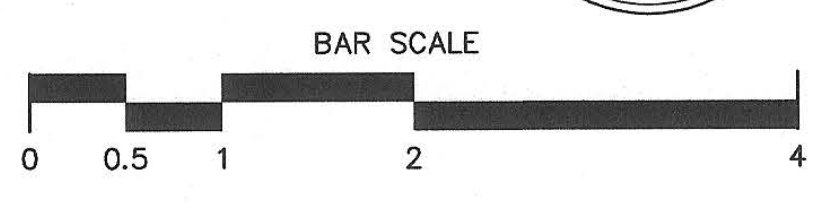


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BRIO JOB NO.: ESSD1922



Key Plan

(E) UTILITY TO BE ABANDONED OR REMOVED IF IT IS WITHIN THE NEW BLDG. FOOTPRINT/FOOTING AREA.

GRADE BREAK

CONTOUR LINE

CLEAN OUT TO GRADE

CATCH BASIN

AREA DRAIN

DRAINAGE ARROW

BACK FLOW PREVENTOR

POST INDICATOR VALVE

FIRE DEPT. CONNECTION

SANITARY SEWER MANHOLE

STORM DRAIN MANHOLE

WATER VALVE

STREET LIGHT

GUY WIRE

JUNCTION POLE

TELEPHONE BOX

UNKNOWN UTILITY BOX

POWER (ELECTRICAL) BOX

WATER METER

WATER BOX

VALLEY GUTTER

SPOT ELEVATION

TREE W/SIZE & DRIPLENE

TREE W/SIZE & NO DRIPLENE

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
San Jose, CA 95132

EAST SIDE UNION HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

GRADING PLAN

Regulatory Agency Approval	Architect Seal
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-118374 DATE 5/16/2019	IDENTIFICATION STAMP WILLIAM M. BOIDA No. C-23919 REN. 9-30-16 STATE OF CALIFORNIA
AC: FLS. SS	DATE:

File Number	Drawing No
43-H10	C-2
Application Number	
XX-XXXXXX	
Project No.	
135259	

UTILITY KEYNOTES

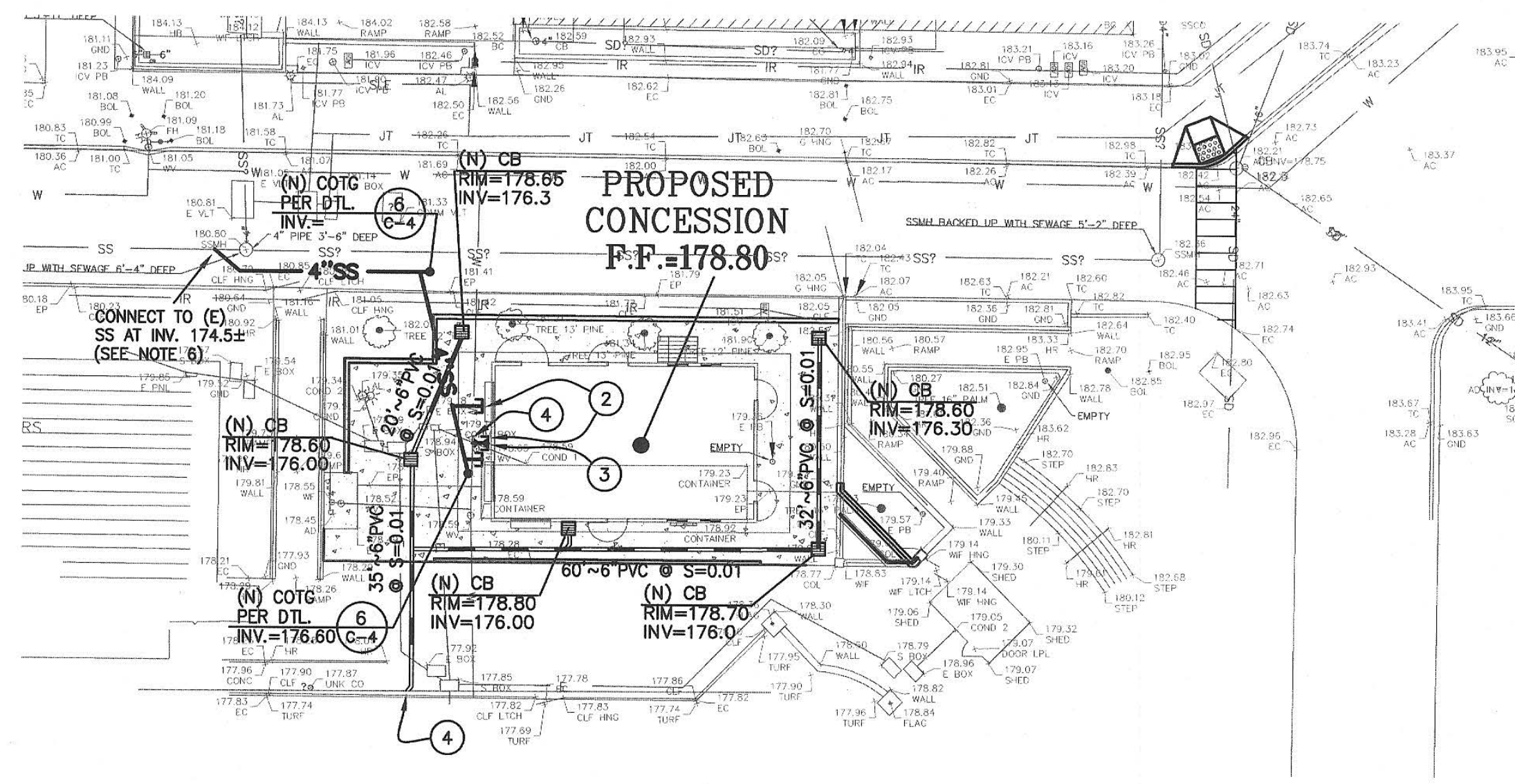
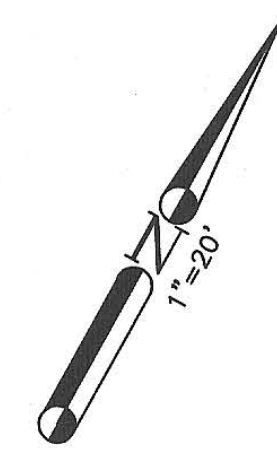
- ① TRENCHING AND BACKFILL FOR SS & DW LINES PER DTL. AND SPECS. (TYP.)
- ② REFER TO UTILITY COORDINATION NOTES (TYP.)
- ③ (N) UNDERGROUND WTR. VLV. PER DTL. (TYP.)
- ④ CONNECT TO (E) DOM. WTR. LINE (NOI IRR. LINE) (SEE NOTE 6)

UTILITY COORDINATION NOTES:

- FOR ALL NEW BLDG. P.O.C.'S SUCH AS DW, RWL AND SS (SHOWN ON THIS PLAN) SEE MODULAR PLANS FOR VERIFICATION OF EXACT INVERT, SIZE AND LOCATION PRIOR TO INSTALLATION.
- SEE ELECTRICAL AND MODULAR PLANS FOR (E) POWER & GAS DEMOLITION & RELOCATION

UTILITY NOTES:

1. THIS SURVEY IS NOT INTENDED TO REPRESENT THE EXACT LOCATIONS, SIZES OR EXTENT OF THE UTILITIES WITHIN THE AREA ENCOMPASSED BY THIS SURVEY. THEREFORE, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY THE LOCATION, SIZE AND EXTENT OF ANY EXISTING UTILITIES PRIOR TO DESIGN OR CONSTRUCTION. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
2. IRRIGATION LATERALS, PARKING LOT LIGHTING WIRING AND SIGNAL WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
3. UTILITY ABANDONMENT/REMOVAL: DISCONNECT AND CAP PIPES AND SERVICES TO REMAIN. REMOVE ALL PORTIONS OF ALL UTILITIES WITHIN NEW BUILDING FOOTPRINT AND DISPOSE OF OFF-SITE. OTHERWISE ABANDON IN PLACE U.N.O.
4. NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITIES ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS. PRESERVE AND REPAIR ANY UTILITIES THAT ARE DAMAGED AND THAT ARE TO REMAIN.
5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CROSSINGS OF NEW UTILITIES WITH EACH OTHER, AND WITH EXISTING UTILITIES. VERIFY EXISTING PIPE LOCATION AND INVERT PRIOR TO INSTALLING NEW UTILITIES. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR DEVIATIONS. INSTALL GRAVITY UTILITIES BEFORE WATER & DRY UTILITIES TO ENSURE NO CONFLICTS.
6. PRIOR TO CONNECTING TO EXISTING UTILITIES OR INSTALLING UPSTREAM UTILITIES, VERIFY LOCATION, FLOW DIRECTION, SIZE, INVERT OR DEPTH AT POINT OF CONNECTION.
7. EACH BUILDING WATER SERVICE CONNECTION SHALL BE WITH VALVE AND VALVE BOX SET AT GRADE. FOR WATER LINES LESS THAN 2", USE LEAD FREE BRASS GATE VALVE MODEL 514LF BY MATCO NORCA OR APPROVED ALTERNATE.
8. ALL BUILDING SEWER LATERALS SHALL BE WITH CLEANOUT TO GRADE.
9. ALL CATCH BASINS SHALL BE OLDCASTLE (12"x12") WITH TRAFFIC WEIGHT GRATES, BOLTED DOWN. WHEN PIPE SIZES ARE 10" OR GREATER USE CATCH BASIN OLDCASTLE (24"x24"). UNLESS NOTED OTHERWISE. FOR CATCH BASINS IN WALKWAY AREAS, INCLUDING EXISTING CATCH BASINS, USE HEEL PROOF, ADA, AND TRAFFIC WEIGHT GRATE BY OLDCASTLE (888) 965-3227 OR APPROVED ALTERNATE. SEE DTL. 7/C-4.
10. SAWCUT, REMOVE, & REPLACE EXISTING PAVEMENT, CURBS, SIDEWALKS, & LANDSCAPING TO MATCH (E) AS NECESSARY TO INSTALL NEW UTILITIES AS SHOWN. FOR REPLACING CONCRETE PAVEMENT, USE 18" LONG, #4 DOWELS @ 12" O.C. ON THE CENTER OF THE (N) CONCRETE SECTION AND EMBED A MINIMUM OF 6" INTO (E) CONCRETE WITH EPOXY. FOR LANDSCAPE AREAS, REFER TO ARCHITECTURAL/LANDSCAPE SPECIFICATIONS FOR TOP SOIL REQUIREMENTS.
11. CONTRACTOR IS RESPONSIBLE FOR PRESERVING & PROTECTING ALL SURVEY CONTROL POINTS. A LICENSED LAND SURVEYOR SHALL REPAIR AND OR REPLACE ANY SURVEY CONTROL POINTS THAT ARE DISPLACED OR DAMAGED.
12. DOMESTIC WATER PIPING SHALL HAVE A 12" MIN. COVER BELOW FINISHED GRADE PER CPC SECTION 609.1.



EXISTING	PROPOSED	DESCRIPTION
---	---	PROPERTY LINE
---	---	SETBACK LINE
---	---	LIMIT OF WORK
---	---	CENTER LINE
---	---	EXCEPTION
---	---	EASEMENT LINE
---	---	CONCRETE CURB
---	---	CONCRETE CURB & GUTTER
---	---	SAWCUT/CONFORM LINE
---	---	HEADER BOARD
---	---	TRAFFIC MARKINGS
---	---	SIGN
---	---	ACCESSIBLE RAMP
---	---	FIRE HYDRANT
---	---	EDGE OF PAVEMENT
---	---	FENCE
---	---	STORM DRAIN & SIZE
---	---	PERFORATED PIPE
---	---	SANITARY SEWER & SIZE
---	---	DOMESTIC WATER LINE
---	---	TELEPHONE LINE
---	---	JOINT TRENCH (ELEC., TEL., GAS & CATV)
---	---	FIRE SERVICE LINE & SIZE
---	---	ELECTRIC LINE
---	---	GAS LINE & SIZE
---	---	COMMUNICATION LINE
---	---	(E) UTILITY TO BE ABANDONED OR REMOVED IF IT IS WITHIN THE NEW BLDG. FOOTPRINT/FOOTING AREA.
---	---	GRADE BREAK
---	---	CONTOUR LINE
---	---	CLEAN OUT TO GRADE
---	---	CATCH BASIN
---	---	AREA DRAIN
---	---	DRAINAGE ARROW
---	---	BACK FLOW PREVENTOR
---	---	POST INDICATOR VALVE
---	---	FIRE DEPT. CONNECTION
---	---	SANITARY SEWER MANHOLE
---	---	STORM DRAIN MANHOLE
---	---	WATER VALVE
---	---	STREET LIGHT
---	---	GUY WIRE
---	---	JUNCTION POLE
---	---	TELEPHONE BOX
---	---	UNKNOWN UTILITY BOX
---	---	POWER (ELECTRICAL) BOX
---	---	WATER METER
---	---	WATER BOX
---	---	VALLEY GUTTER
---	---	SPOT ELEVATION
---	---	TREE W/SIZE & DRILINE
---	---	TREE W/SIZE & NO DRILINE

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BRIQ JOB NO.: ESSD1922

BAR SCALE
0 0.5 1 2 4

Key Plan

(E) UTILITY TO BE ABANDONED OR REMOVED IF IT IS WITHIN THE NEW BLDG. FOOTPRINT/FOOTING AREA.

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
San Jose, CA 95132

EAST SIDE UNION HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

UTILITY PLAN

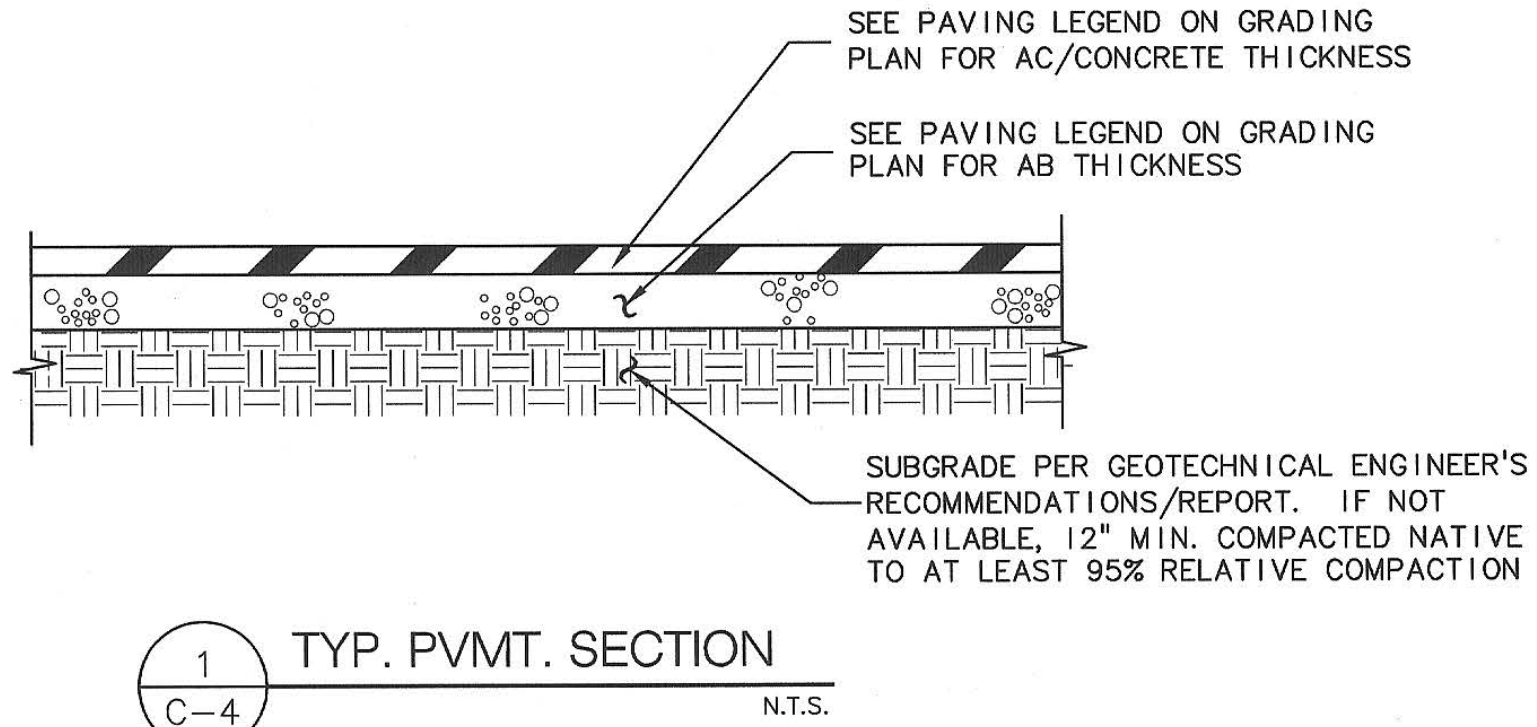
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01-118374
APR 25 2019
DATE 5/16/2019

Regulatory Agency Approval

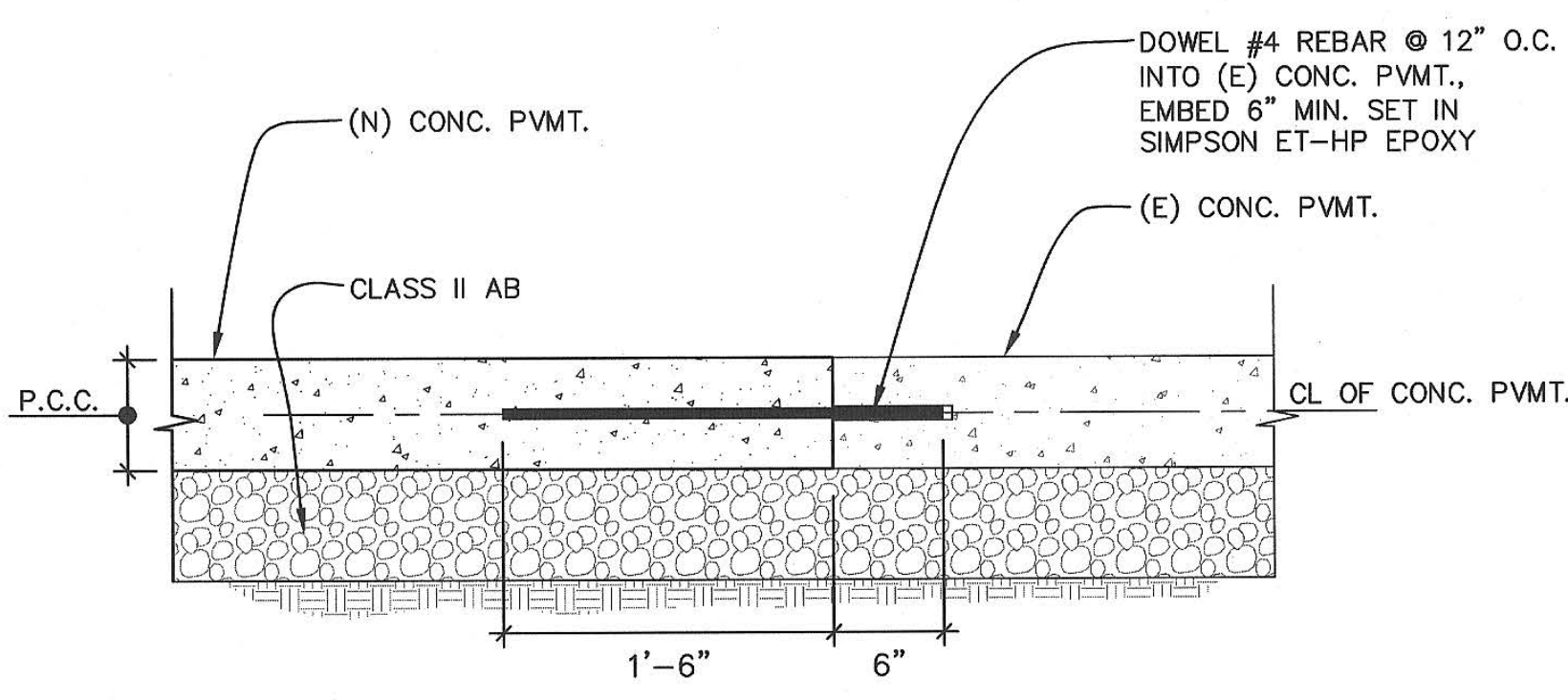
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Architect Seal
LICENSED ARCHITECT
WILLIAM E. GOULD
No. C-23919
REN. 9-30-19
STATE OF CALIFORNIA

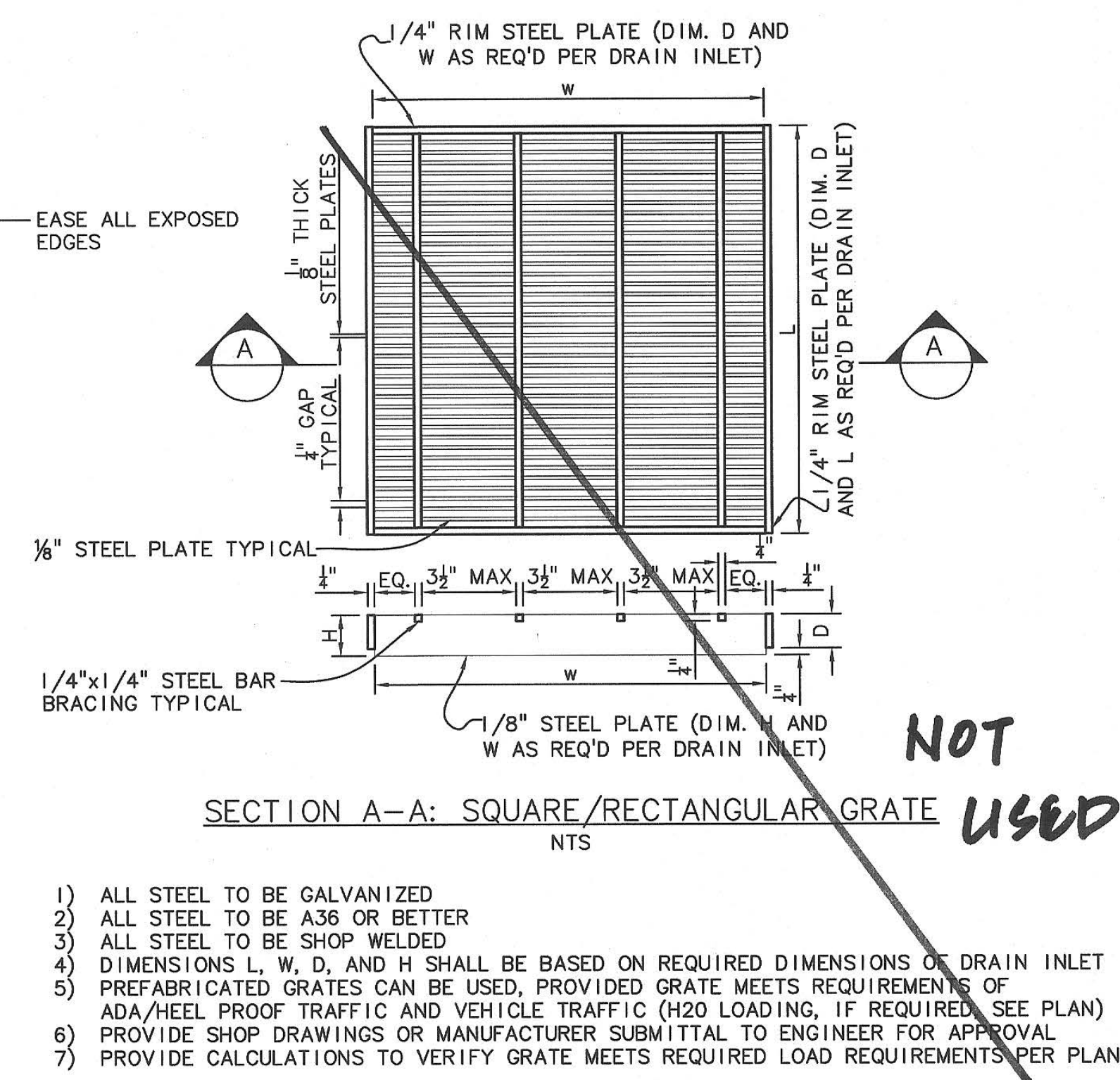
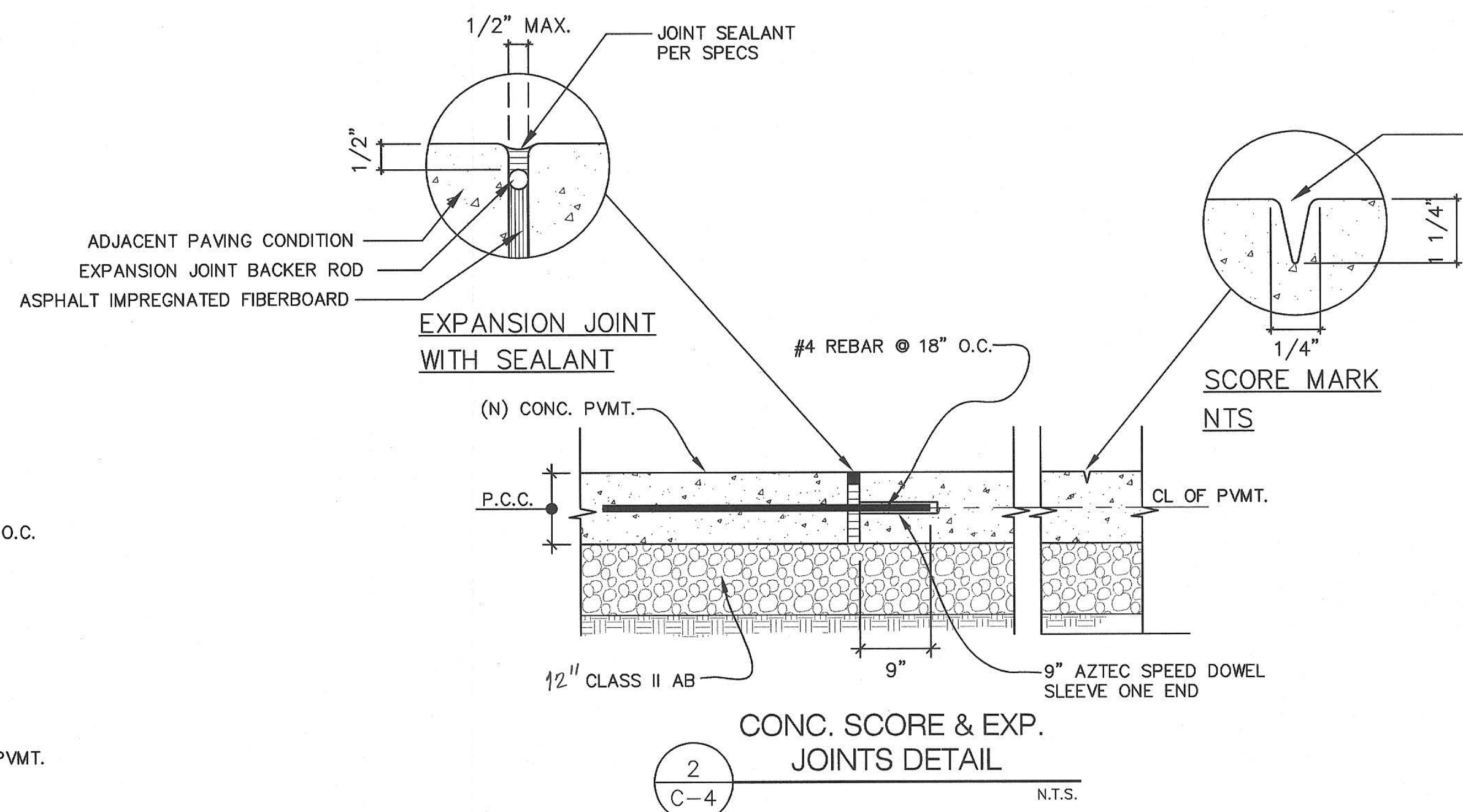
File Number	43-H10	Drawing No	C-3
Application Number	XX-XXXXXX		
Project No.	135259		



1 TYP. PVMT. SECTION
C-4 N.T.S.



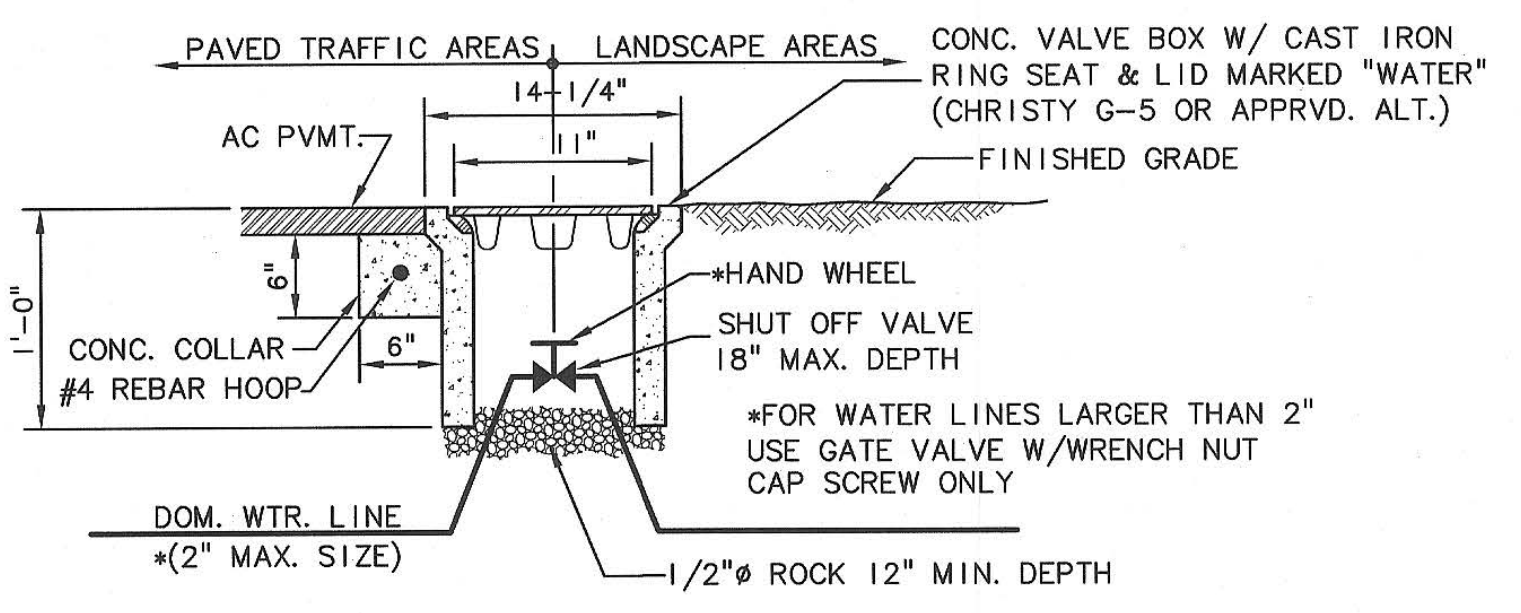
3 SW DOWEL CONNECTION DETAIL
C-4 N.T.S.



- 1) ALL STEEL TO BE GALVANIZED
2) ALL STEEL TO BE A36 OR BETTER
3) ALL STEEL TO BE SHOP WELDED
4) DIMENSIONS L, W, D, AND H SHALL BE BASED ON REQUIRED DIMENSIONS OF DRAIN INLET
5) PREFABRICATED GRATES CAN BE USED, PROVIDED GRATE MEETS REQUIREMENTS OF ADA/HEEL PROOF TRAFFIC AND VEHICLE TRAFFIC (H20 LOADING, IF REQUIRED, SEE PLAN)
6) PROVIDE SHOP DRAWINGS OR MANUFACTURER SUBMITTAL TO ENGINEER FOR APPROVAL
7) PROVIDE CALCULATIONS TO VERIFY GRATE MEETS REQUIRED LOAD REQUIREMENTS PER PLAN

NOT USED

SECTION A-A: SQUARE/RECTANGULAR GRATE
NTS



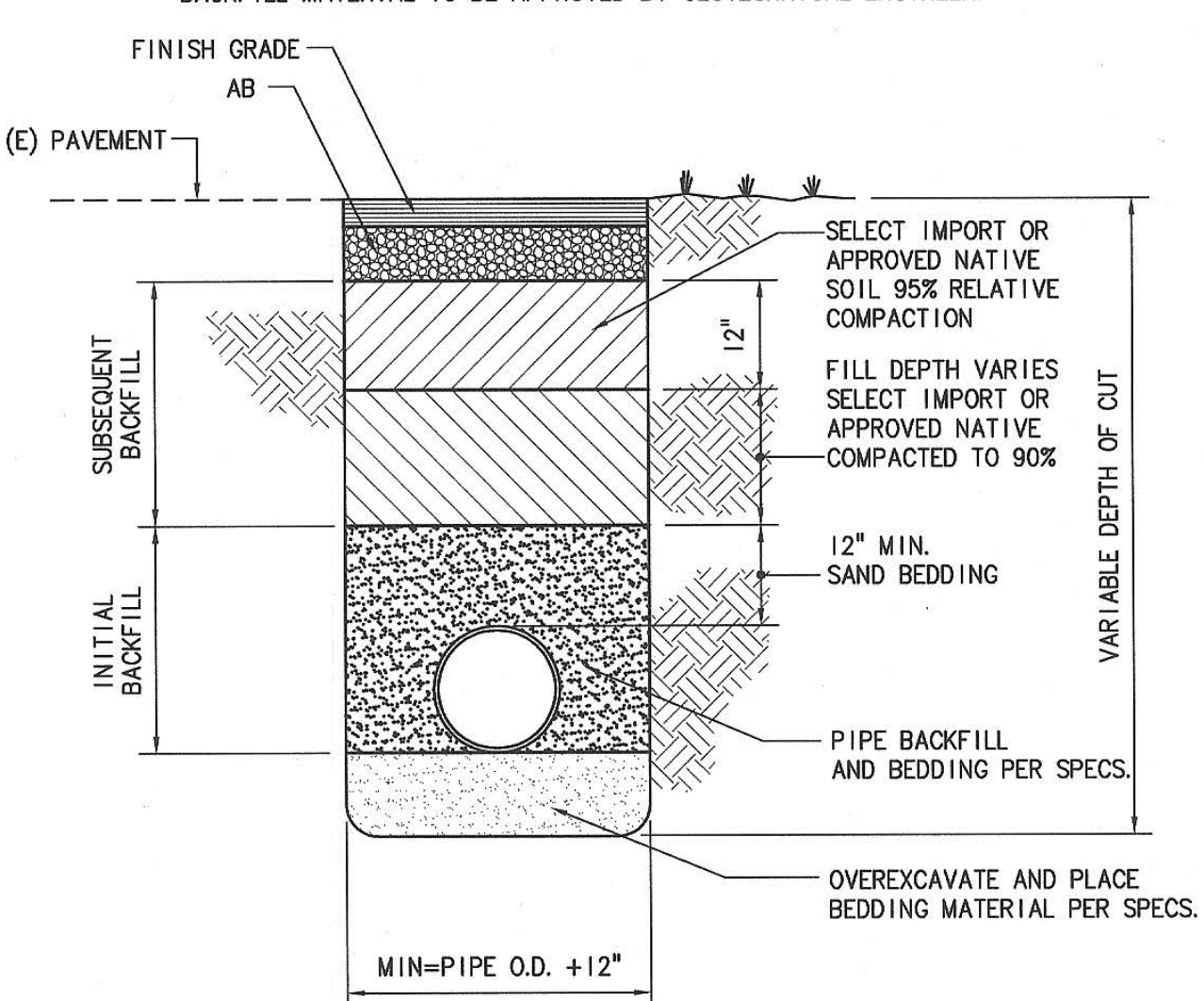
5 VALVE BOX INSTALLATION DETAIL
C-4 N.T.S.

*SELECT IMPORT SPECIFICATIONS

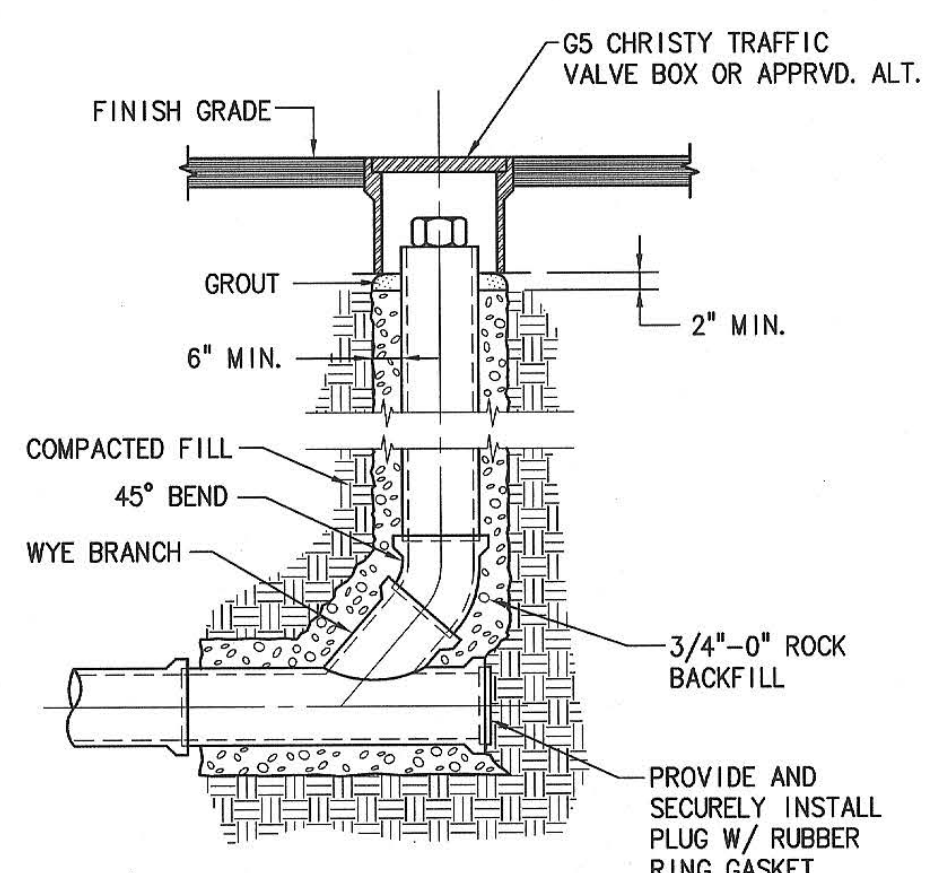
SIEVE SIZE	PERCENTAGE PASSING
NO. 4	90-100
NO. 200	0-5

*NOTE: BACKFILL MATERIAL TO BE APPROVED BY GEOTECHNICAL ENGINEER.

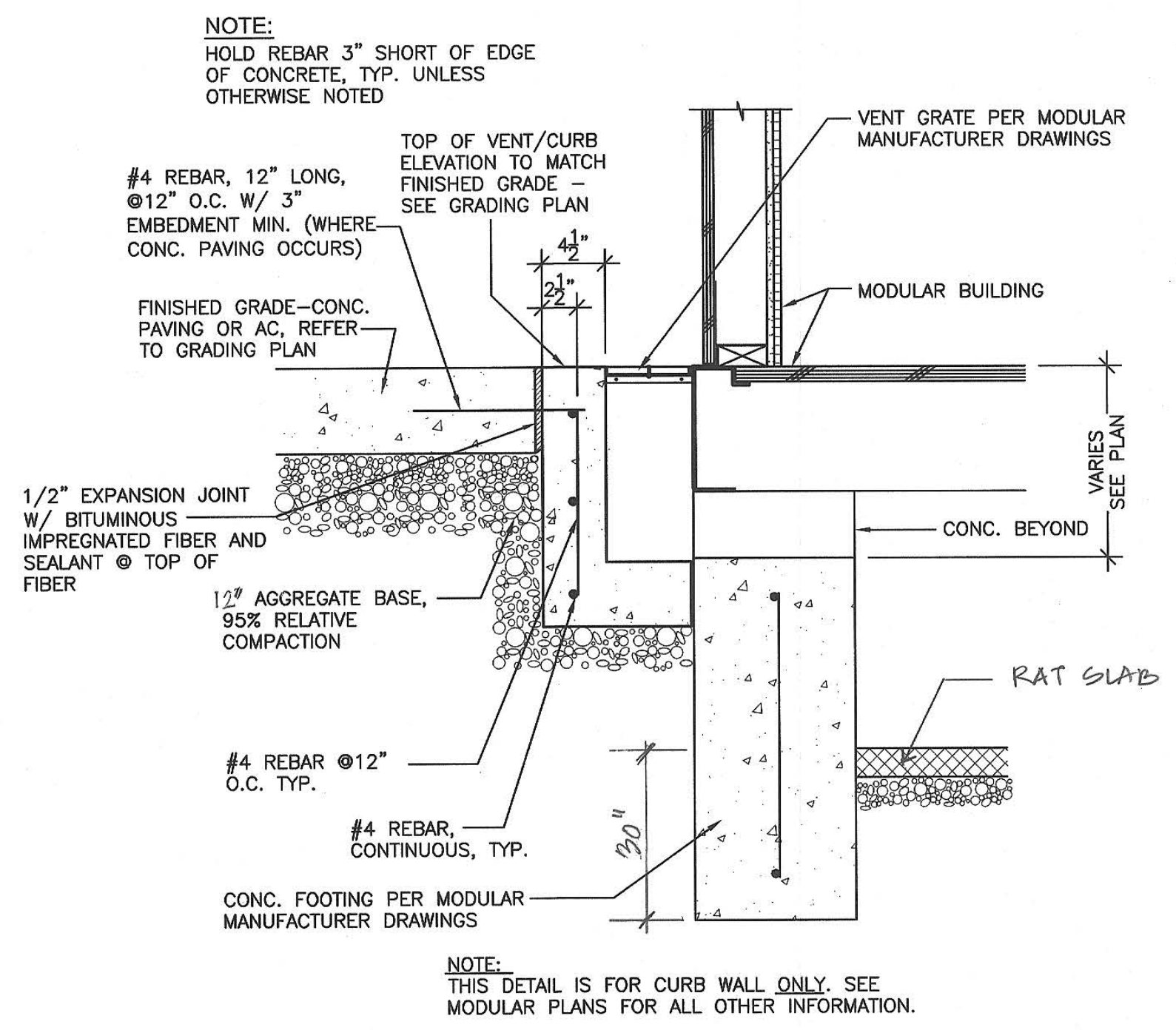
7 ADA/HEEL PROOF GRATE DETAIL
C-4 N.T.S.



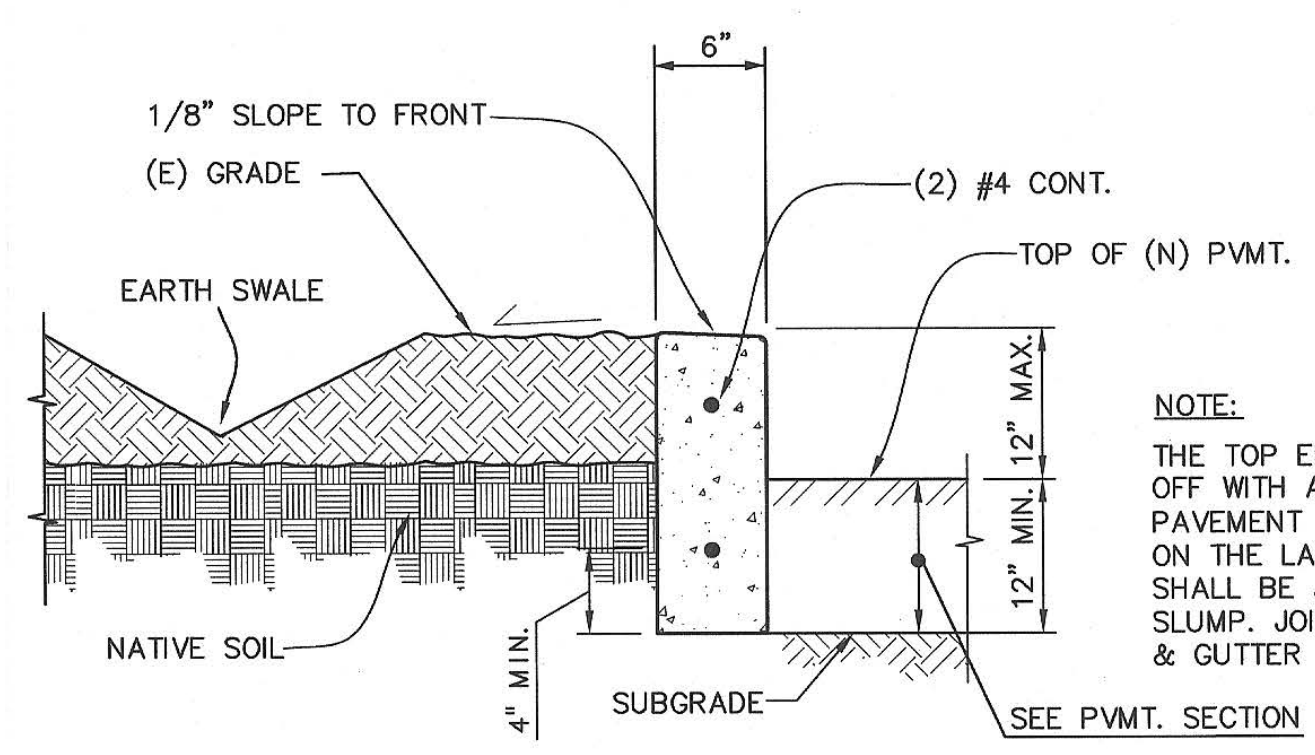
7 PIPE BEDDING AND BACKFILL DETAIL
C-4 N.T.S.



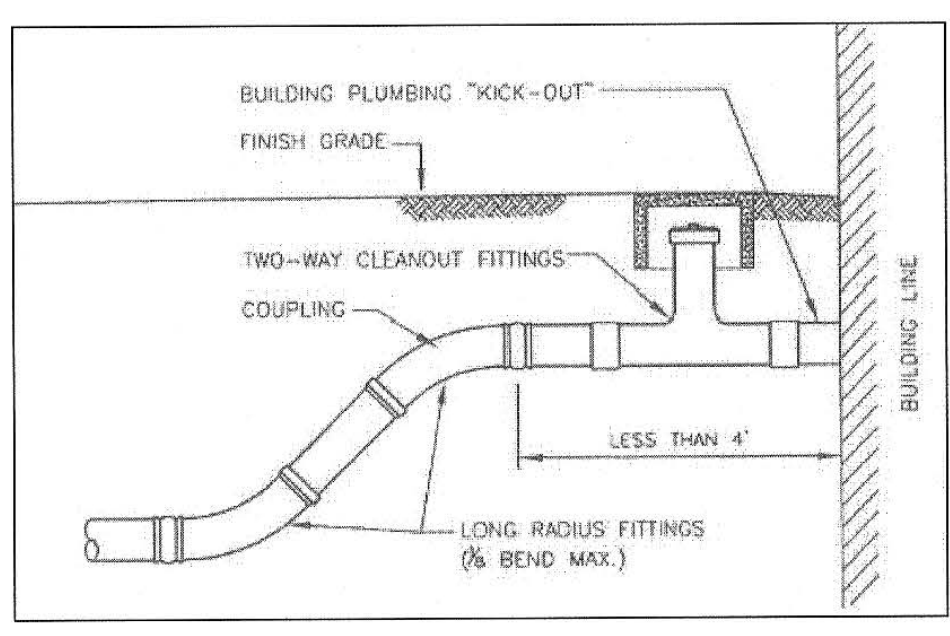
6 TYP. SSCO DETAIL
C-4 N.T.S.



9 SECTION
C-4 N.T.S.



10 CONCRETE CURB EARTH SWALE DETAIL
C-4 N.T.S.



8 2-WAY COTG DETAIL
C-4 N.T.S.

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BRIO JOB NO.: ESSD1922
BAR SCALE
0 0.5 1 2 4

Project Title
**PIEDMONT HILLS
CONCESSION BLDG.**
1377 Piedmont Rd,
San Jose, CA 95132
**EAST SIDE UNION
HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Sections & Details

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DATE 1/5/16/2019

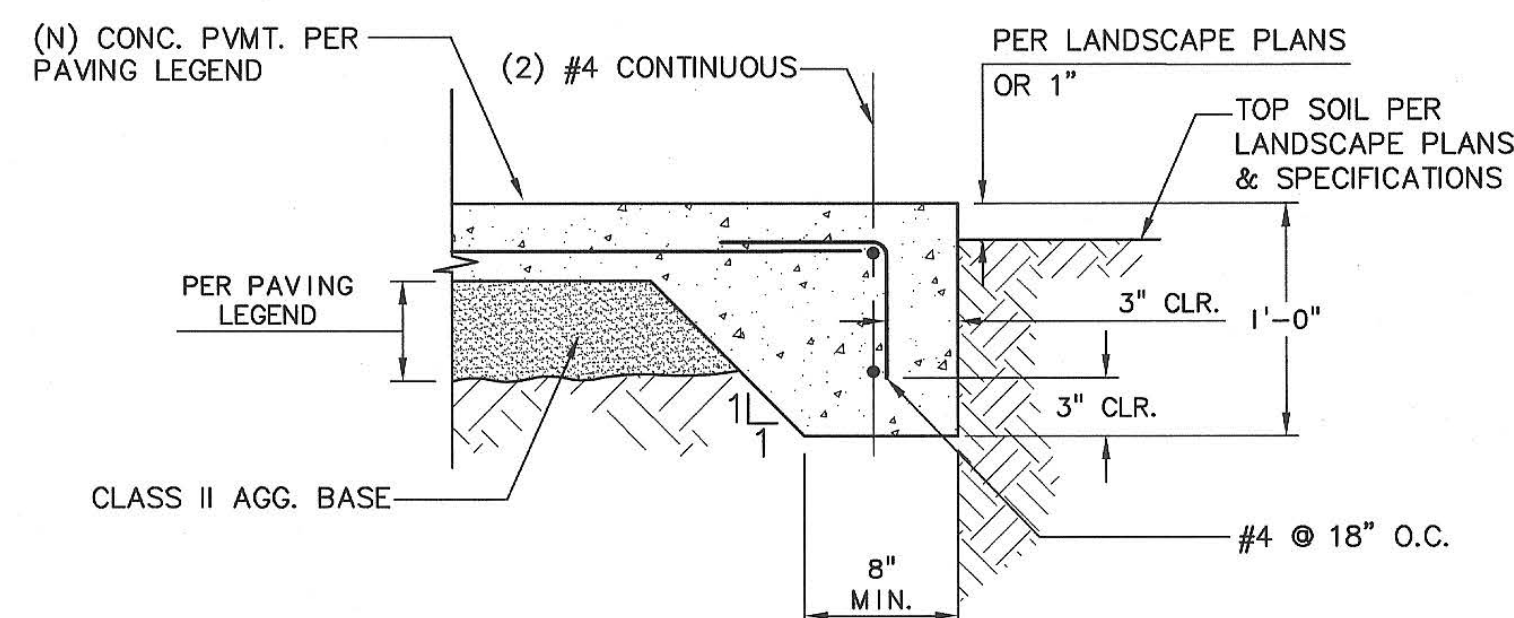
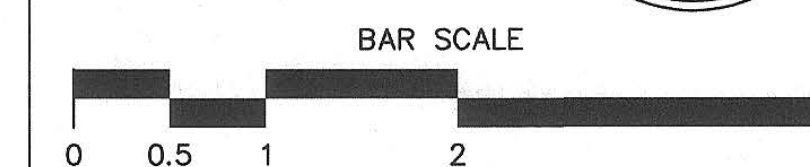
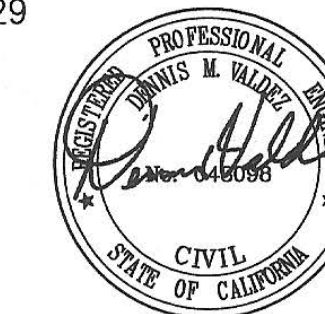
Architect Seal
WILLIAM E. HOLLIDAY
No. C-23919
REN. 9-30-19
STATE OF CALIFORNIA

File Number
43-H10

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Project No.
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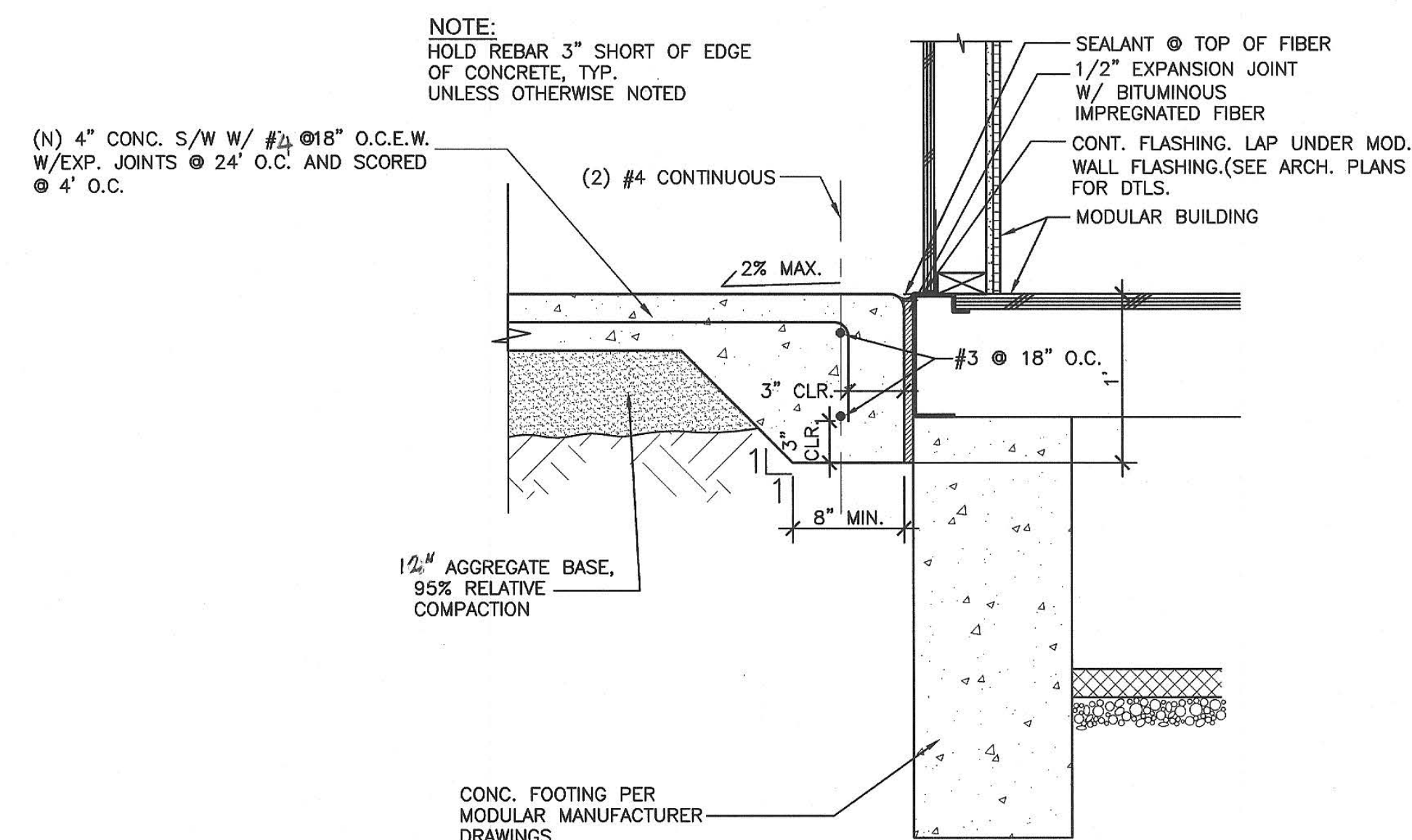
Drawing No
C-4



NOTES:
1. CONCRETE TO HAVE MINIMUM STRENGTH OF 3000 PSI AFTER 28 DAYS.

SIDEWALK WITH THICKENED EDGE DETAIL

1
C-4.1 N.T.S.



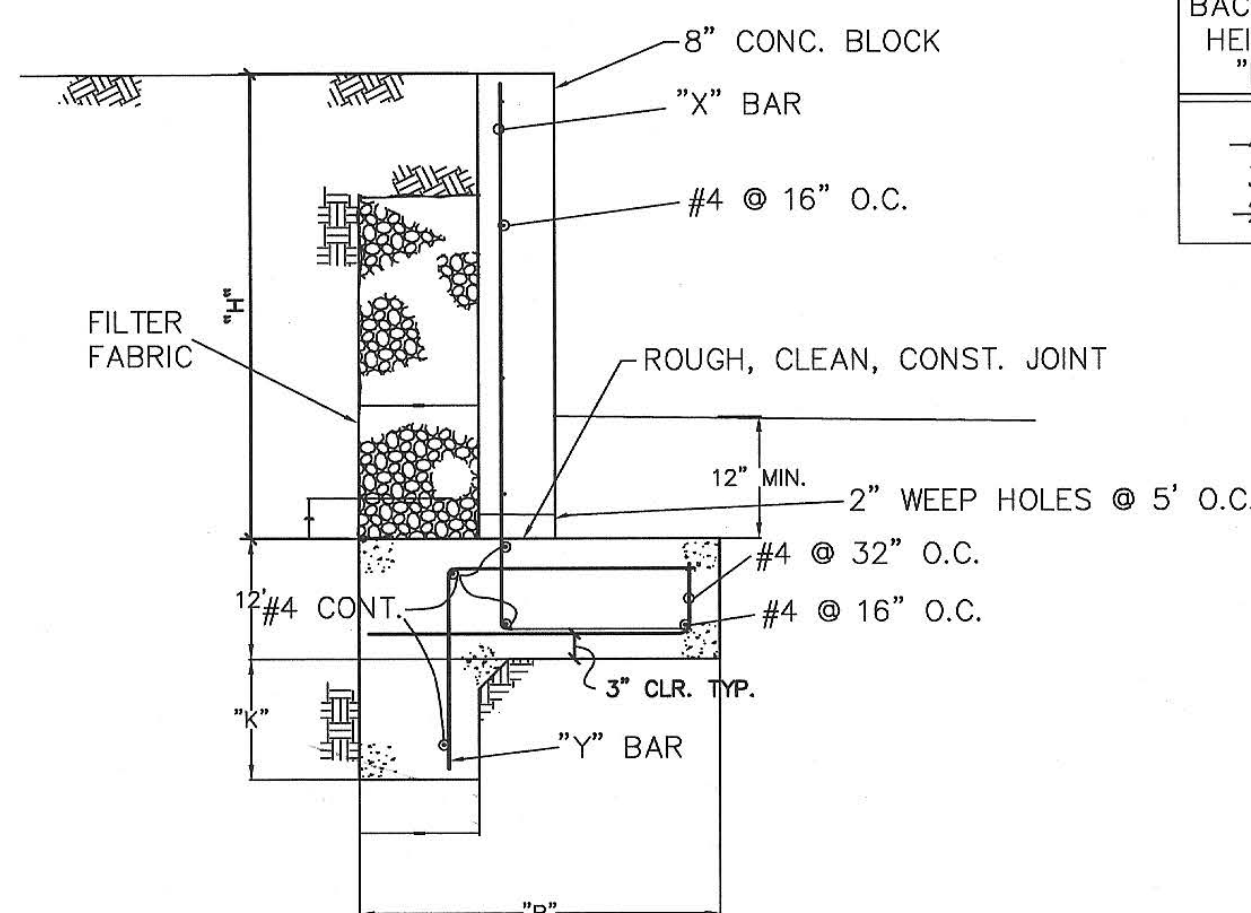
NOTE:
THIS DETAIL IS FOR CURB WALL ONLY. SEE MODULAR PLANS FOR ALL OTHER INFORMATION.

SECTION

2
C-4.1 N.T.S.

RETAINING WALL TABLE

BACKFILL HEIGHT "H"	WALL SIZE/TYPE	FOOT'G WIDTH "B"	KEY DEPTH "K"	"X" BAR & SPACING	"Y" BAR & SPACING
4'	8"/BLOCK	3'-0"	1'-0"	#4@16"O.C.	#4@16"O.C.
3'	8"/BLOCK	3'-0"	6"	#4@16"O.C.	#4@32"O.C.
2'	8"/BLOCK	2'-0"		#4@32"O.C.	#4@32"O.C.



RETAINING WALL DETAIL

3
C-4.1 N.T.S.

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
San Jose, CA 95132

EAST SIDE UNION HIGH SCHOOL DISTRICT

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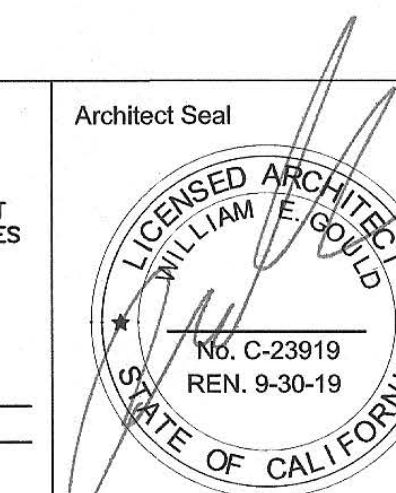
Drawing Title

SECTIONS & DETAILS

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DATE 5/16/19



File Number

43-H10

Application Number

XX-XXXXXX

Project No.

135259

Drawing No

C-41

GENERAL NOTES

- 1. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE, SPECIFICATIONS AND STANDARD, THE LATEST RULES AND REGULATIONS OF THE SAFETY ORDERS ISSUED BY THE DIVISION OF INDUSTRIAL SAFETY, THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.

GENERAL NOTES (CONTINUATION)

- 23. PROVIDE LABELS ON ALL EQUIPMENT AND DEVICES. LABELS SHALL BE SELF-ADHESIVE PHENOLIC TYPE AND WHITE LETTER ON BLACK BACKGROUND, PROVIDE BRADY OR DYMO TYPE LABELS (CIRCUIT IDENTIFICATION) FOR ALL SWITCHES AND RECEPTACLES.

LEGEND

- HOMERUN TO PANEL, HASHMARKS INDICATE NUMBER OF #12 AWG WIRES IF MORE IF MORE THAN (3); (1) INDICATES GROUND.
- CONDUIT AND CONDUCTORS CONCEALS IN WALL OR CEILING
- CONDUIT AND WIRES CONCEALED IN FLOOR OR UNDERGROUND

DRAWING INDEX

- E0.1 GENERAL NOTES, LEGEND, ABBREVIATIONS AND DRAWING INDEX
- E1.1 ELECTRICAL SITE PLAN
- E2.1 ELECTRICAL PLAN
- E2.2 SIGNAL RISER DIAGRAM
- E2.3 IT GUIDELINE STANDARDS AND DETAILS
- E2.4 IT GUIDELINE STANDARDS
- E3.1 SINGLE LINE DIAGRAM SCHEDULES AND DETAILS
- E3.2 DETAILS

ABBREVIATIONS

Table with columns for Abbreviation and Description. Includes entries like AMP, AP, BRKR, CATV, CBC, CCTV, CEC, CKT, CO, CPS, CSC, (E), FU, G, IDF, MAX, MDF, MIN, MPOE, MSTC, MTB, NEC, NL, NTS, O.C., PA, PH, PNL, (R), SAD, STC, TRANSF., TB, TC, TGB, TYP, UON, V, W, WG, WP, XFMR.

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENT PRESCRIBED IN THE 2016 CBC, SECTION 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

LIST OF APPLICABLE CODES

- 1. 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
- 2. 2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2 (PART 2, TITLE 24, CCR)
- 3. 2016 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
- 4. 2016 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
- 5. 2016 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
- 6. 2016 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
- 7. 2013 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)
- 8. 2016 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
- 9. 2016 CALIFORNIA REFERENCE STANDARDS CODE (PART 12, TITLE 24, CCR)
- 10. NFPA 13, 2016 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
- 11. NFPA 14, 2016 EDITION, THE INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS
- 12. NFPA 24, 2016 EDITION, THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
- 13. NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

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Key Plan

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
San Jose, CA 95132

EAST SIDE UNION HIGH SCHOOL DISTRICT

Table with columns: No, Revisions/Submissions, Date. Row 1: CONSTRUCTION DOCUMENTS, 05/15/2019

Drawing Title

GENERAL NOTES, LEGEND, ABBREVIATIONS AND DRAWING INDEX

Regulatory Agency Approval
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OFFICE OF REGULATION SERVICES
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Architect Seal
LICENSED ARCHITECT
WILLIAM E. GOLD
No. C-23919
REN. 9-30-19
STATE OF CALIFORNIA

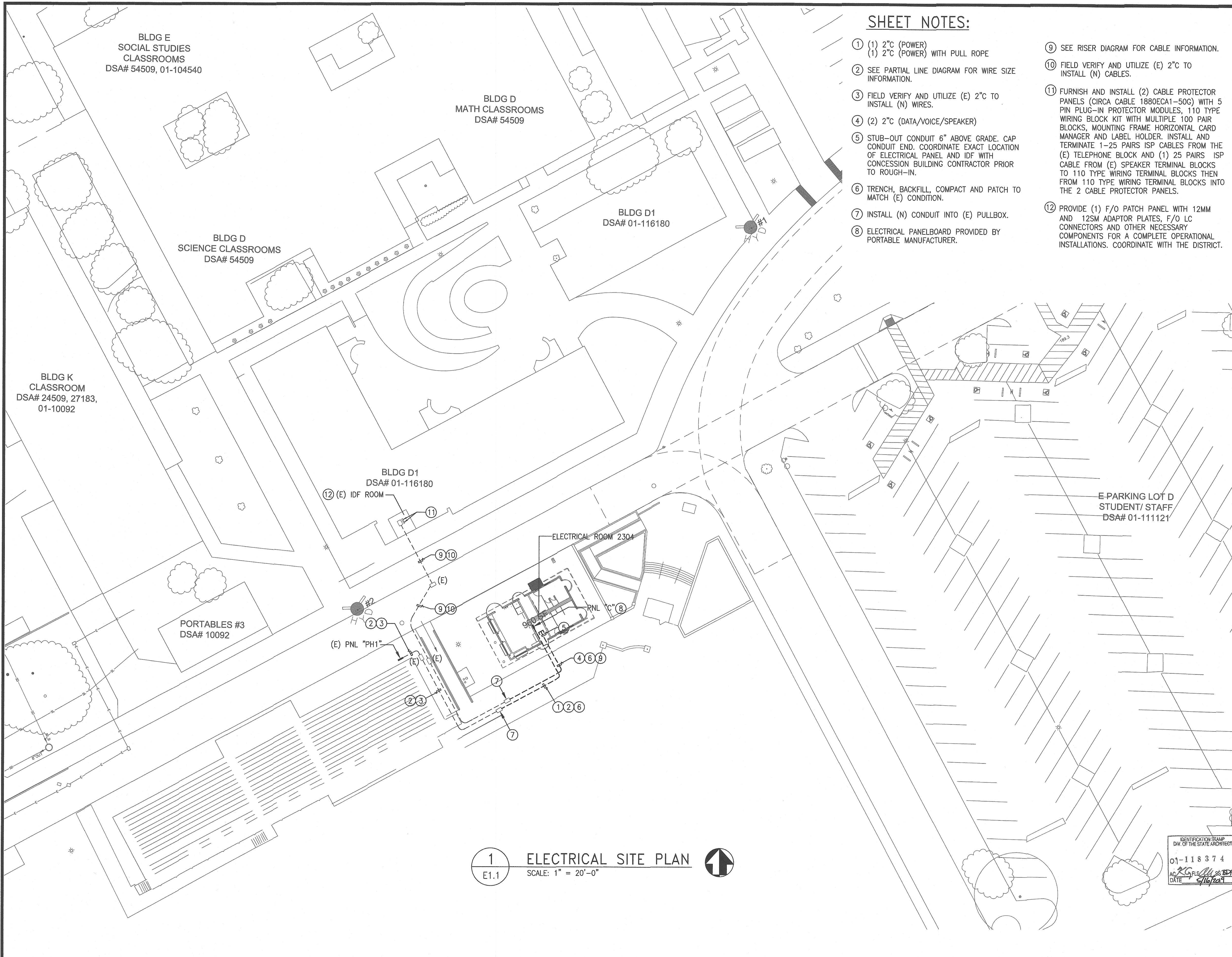
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DATE 5/15/2019



SHEET NOTES:

- ① (1) 2" C (POWER)
(1) 2" C (POWER) WITH PULL ROPE
- ② SEE PARTIAL LINE DIAGRAM FOR WIRE SIZE INFORMATION.
- ③ FIELD VERIFY AND UTILIZE (E) 2" C TO INSTALL (N) WIRES.
- ④ (2) 2" C (DATA/VOICE/SPEAKER)
- ⑤ STUB-OUT CONDUIT 6" ABOVE GRADE. CAP CONDUIT END. COORDINATE EXACT LOCATION OF ELECTRICAL PANEL AND IDF WITH CONCESSION BUILDING CONTRACTOR PRIOR TO ROUGH-IN.
- ⑥ TRENCH, BACKFILL, COMPACT AND PATCH TO MATCH (E) CONDITION.
- ⑦ INSTALL (N) CONDUIT INTO (E) PULLBOX.
- ⑧ ELECTRICAL PANELBOARD PROVIDED BY PORTABLE MANUFACTURER.
- ⑨ SEE RISER DIAGRAM FOR CABLE INFORMATION.
- ⑩ FIELD VERIFY AND UTILIZE (E) 2" C TO INSTALL (N) CABLES.
- ⑪ FURNISH AND INSTALL (2) CABLE PROTECTOR PANELS (CIRCA CABLE 1880ECA1-50G) WITH 5 PIN PLUG-IN PROTECTOR MODULES, 110 TYPE WIRING BLOCK KIT WITH MULTIPLE 100 PAIR BLOCKS, MOUNTING FRAME HORIZONTAL CARD MANAGER AND LABEL HOLDER. INSTALL AND TERMINATE 1-25 PAIRS ISP CABLES FROM THE (E) TELEPHONE BLOCK AND (1) 25 PAIRS ISP CABLE FROM (E) SPEAKER TERMINAL BLOCKS TO 110 TYPE WIRING TERMINAL BLOCKS THEN FROM 110 TYPE WIRING TERMINAL BLOCKS INTO THE 2 CABLE PROTECTOR PANELS.
- ⑫ PROVIDE (1) F/O PATCH PANEL WITH 12MM AND 12SM ADAPTOR PLATES, F/O LC CONNECTORS AND OTHER NECESSARY COMPONENTS FOR A COMPLETE OPERATIONAL INSTALLATIONS. COORDINATE WITH THE DISTRICT.

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Key Plan

Project Title

PIEDMONT HILLS CONCESSION BLDG.
1377 Piedmont Rd,
San Jose, CA 95132
EAST SIDE UNION HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

ELECTRICAL SITE PLAN

Regulatory Agency Approval

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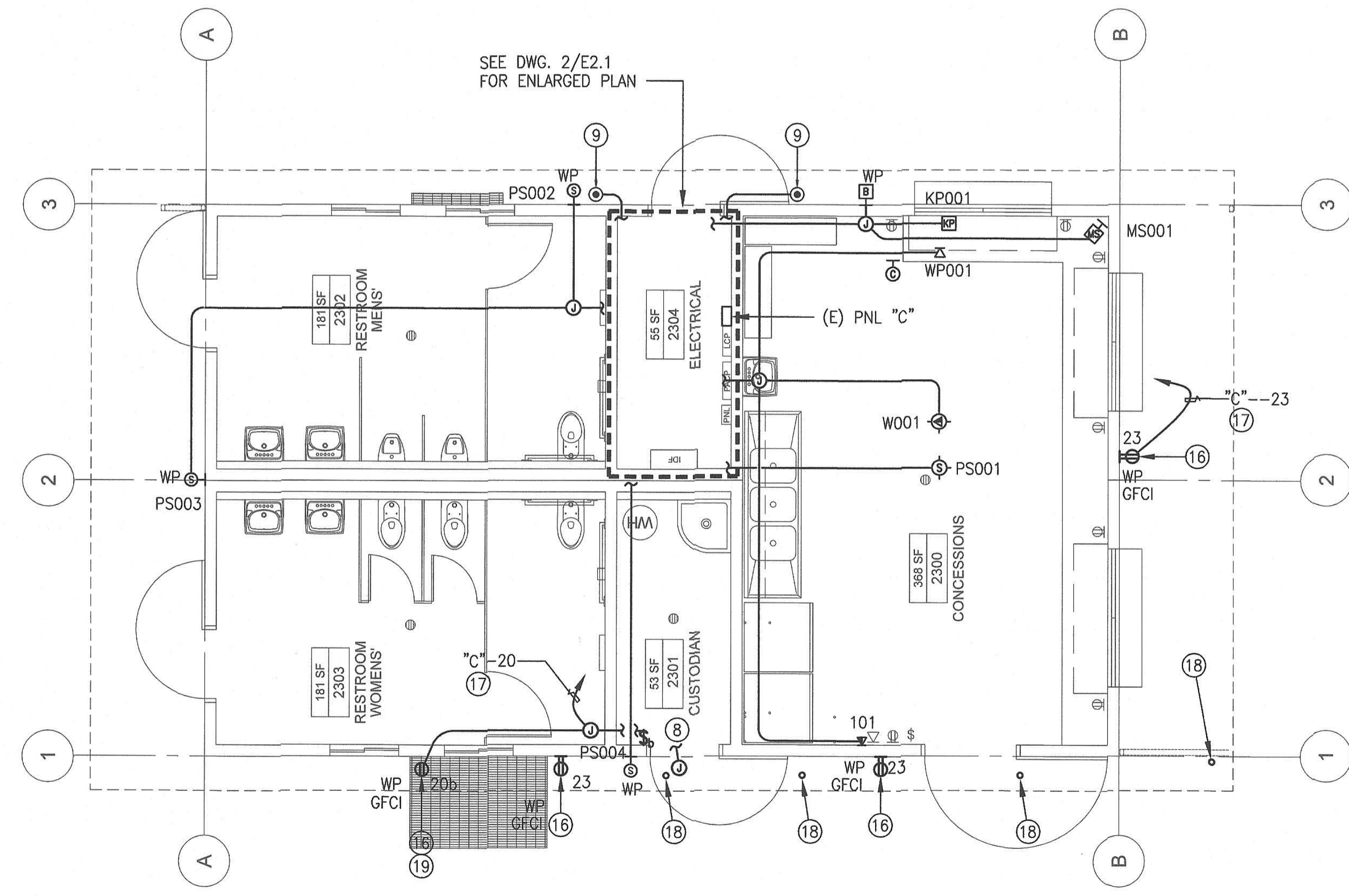
File Number	Drawing No
43-H10	E1.1
Application Number	Project No.
XX-XXXXXX	135259

1 ELECTRICAL SITE PLAN
E1.1 SCALE: 1" = 20'-0"

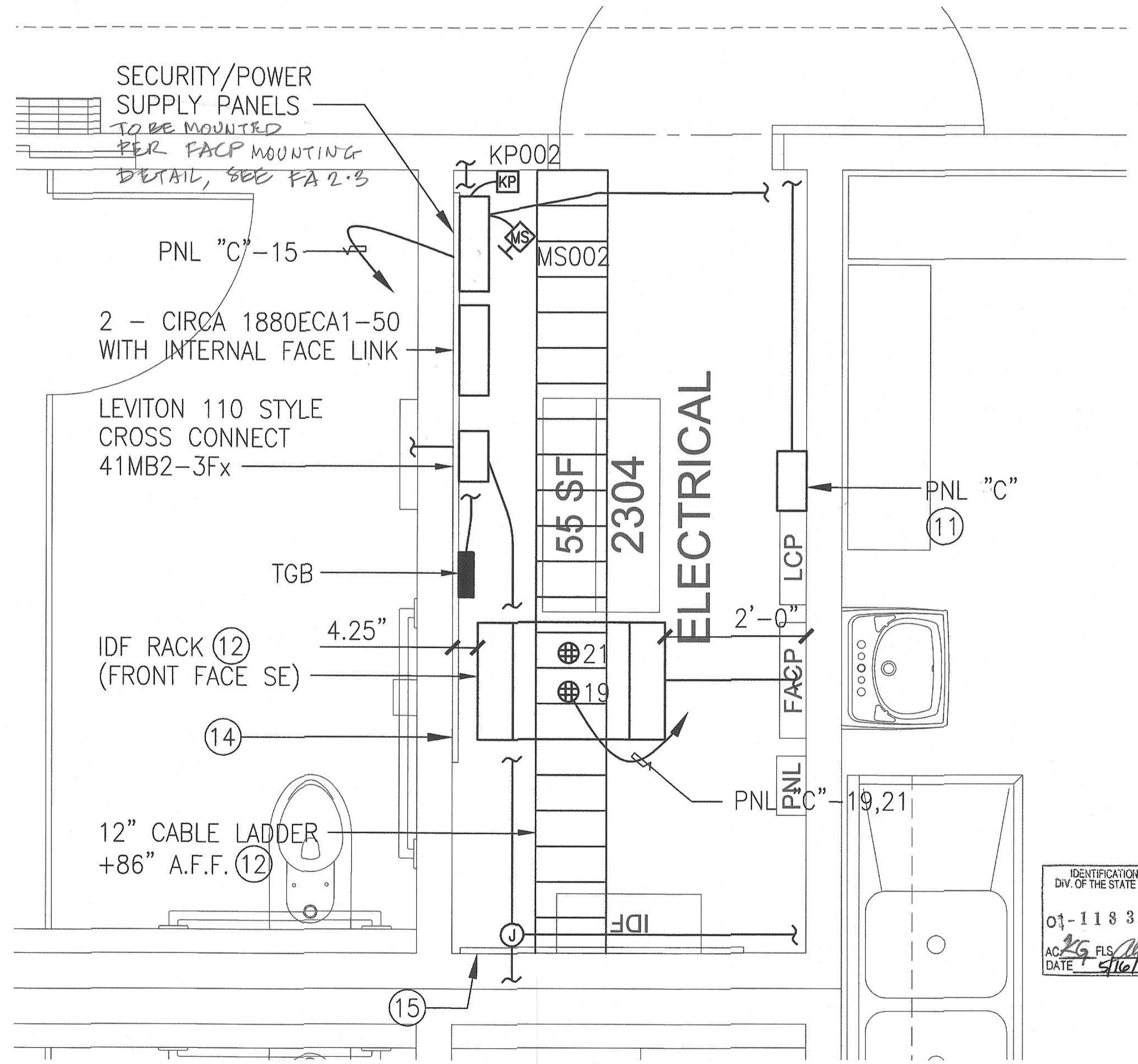


SHEET NOTES:

- ① FOR ADDITIONAL INFORMATION ON DEVICE LABELING AND NUMBERING, FACEPLATES, DEVICE COLOR AND OTHER DATA, VOICE SPEAKERS, INTRUSION STANDARDS. SEE IT GUIDELINE STANDARDS ON SHEET E2.4. COORDINATE WITH THE DISTRICT.
- ② FIRE ALARM TRANSPONDER. COORDINATE WITH FIRE ALARM CONTRACTOR FOR CABLE CONNECTION.
- ③ SEE RISER DIAGRAM FOR CABLE INFORMATION.
- ④ 2"C (DATA/TELEPHONE/SPEAKER)
- ⑤ 1 1/4"C (DATA/TELEPHONE)
- ⑥ MOUNT DATA OUTLET ±6" ABOVE COUNTER. OFFSET FROM MOD-LINE FRAMING.
- ⑦ 1"C (SECURITY)
- ⑧ (N) J-BOX AND BLANK PLATE FOR FUTURE WIRELESS ACCESS POINT. MOUNT ±9'-6" AFF, CENTER OF DOOR FRAME.
- ⑨ ELECTRICAL/COMMUNICATION GROUNDING. SEE DWG. 2/E3.1 FOR DETAILS.
- ⑩ 3/4"C (GROUND)
- ⑪ ELECTRICAL PANELBOARD PROVIDED BY PORTABLE MANUFACTURER.
- ⑫ SEE SPEC SECTION 27.05.00, 2.14 FOR MORE INFORMATION.
- ⑬ PRIOR TO START WORKING IN THIS ROOM, CONTRACTOR SHALL CONTACT AND CONFIRM LAYOUT WITH THE DISTRICT.
- ⑭ 8'x8'x3/4" THICK FIRE RETARDANT TREATED PLYWOOD BACKBOARD.
- ⑮ 4'x8'x3/4" THICK FIRE RETARDANT TREATED PLYWOOD BACKBOARD.
- ⑯ PROVIDE WHILE-IN-USE LOCKABLE COVER SIMILAR TO THOMAS & BETTS CAT #CKNM
- ⑰ PROVIDE (N) 20A/120V CIRCUIT BREAKER IN (E) SPACE. (N) CIRCUIT BREAKER TYPE AND INTERRUPTING RATING SHALL MATCH (E).
- ⑱ INSTALL (1) 1"Ø EYEBOLT, GALVANIZED STEEL. SIMILAR TO KEN FORGING #K2023-A-HDG, ITEM #19C078.
- ⑲ MOUNT GFCI RECEPTACLE ON THE CEILING, EXACT LOCATION SHALL BE COORDINATED WITH THE DISTRICT PRIOR TO ROUGH-IN.
- ⑳ LABEL SWITCH "GFCI - OUTDOOR CEILING"



1 ELECTRICAL PLAN
E2.1 SCALE: 1/4" = 1'-0"



2 ENLARGED ELECTRICAL ROOM
E2.1 SCALE: 3/4" = 1'-0"

Key Plan		
Project Title		
PIEDMONT HILLS CONCESSION BLDG.		
1377 Piedmont Rd, San Jose, CA 95132		
EAST SIDE UNION HIGH SCHOOL DISTRICT		
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ELECTRICAL PLAN		
Regulatory Agency Approval	Architect Seal	
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File Number	Drawing No	
43-H10	E2.1	
Application Number	Project No.	
XX-XXXXXX	135259	



GENERAL NOTE:

ELECTRICAL CONTRACTOR SHALL PROVIDE TEST LOG FOR COPPER AND FIBER OPTIC CABLE AFTER A COMPLETE INSTALLATION OF DATA SYSTEM AND SUBMIT TO THE DISTRICT. SEE SPECIFICATION DIVISION 27 FOR TEST PROCEDURES.

SHEET NOTES:

- ① FOR ADDITIONAL INFORMATION ON DEVICE LABELING AND NUMBERING, FACEPLATES, DEVICE COLOR AND OTHER DATA, VOICE SPEAKERS, INTRUSION STANDARDS. SEE IT GUIDELINE STANDARDS ON SHEET E2.3. COORDINATE WITH THE DISTRICT.
- ② (E) PULLBOX. SEE SITE PLAN FOR LOCATION.
- ③ SEE NOTE ⑬ ON SHEET E1.1 FOR WORK REQUIRED.
- ④ SEE DWG. 5/E3.1 FOR MORE GROUNDING INFORMATION.
- ⑤ PROVIDE CAT6 BLUE CABLE WITH A BLUE CAT6 JACK ON THEIR END FOR BMS. COORDINATE WITH MECHANICAL FOR LOCATION.
- ⑥ PROVIDE (3) CAT6 IN THE EXTERIOR PULLBOX. SEE SITE PLAN FOR LOCATIONS.

DIAGRAM/DETAIL NOTES:

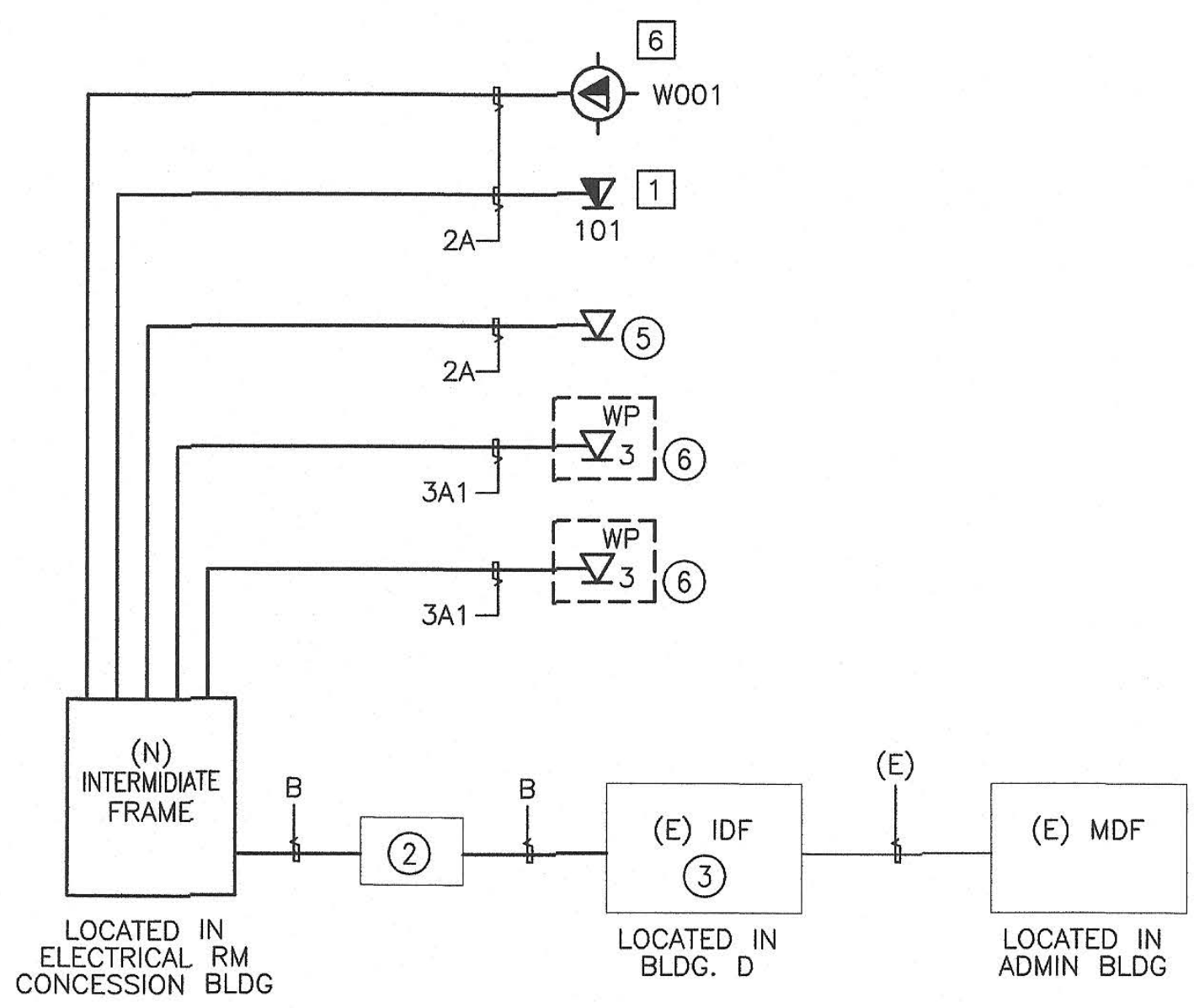
- ① SEE FLOOR PLAN FOR EXACT LOCATION AND QUANTITY OF DEVICES.
- ② PROVIDE CROSS CONNECT SPOOL HOLDER. CPI 11435-719 OR EQUAL. PROVIDE 110-FT KIT FOR COPPER TERMINATION AS REQUIRED
- ③ COPPER OSP CABLE PRIMARY PROTECTION. TERMINATE (E) 25 PAIRS SPEAKER CABLE AND 25 PAIRS TELEPHONE CABLE TO THIS UNIT. PROVIDE #6 AWG GREEN INSULATED CONDUCTOR TO THE (E) TGB FROM THE PRIMARY PROTECTOR
- ④ PRIMEX WIRELESS TRADITIONAL SERIES CLOCK 14155 (12.5") BLACK WITH BATTERIES. CLOCK SHALL BE SYNCHRONIZED TO EXISTING CAMPUS CLOCK SYSTEM.
- ⑤ 110 FRAMING KIT
- ⑥ WIRELESS ACCESS POINT DEVICES IS OWNER PROVIDED, CONTRACTOR INSTALLED. COORDINATE WITH THE DISTRICT.

TYPE	DATA/VOICE CABLE SCHEDULE
	DESCRIPTION
A	4 PAIR CAT 6 (OSP)
A1	4 PAIR CAT 6 (BERK-TEK 10032094/7CMP)
B	COMPOSITE CABLE 12MM/12SM FIBER OPTIC (OSP) BERK-TEK OPAD12B024-012CB35/25012AB0403

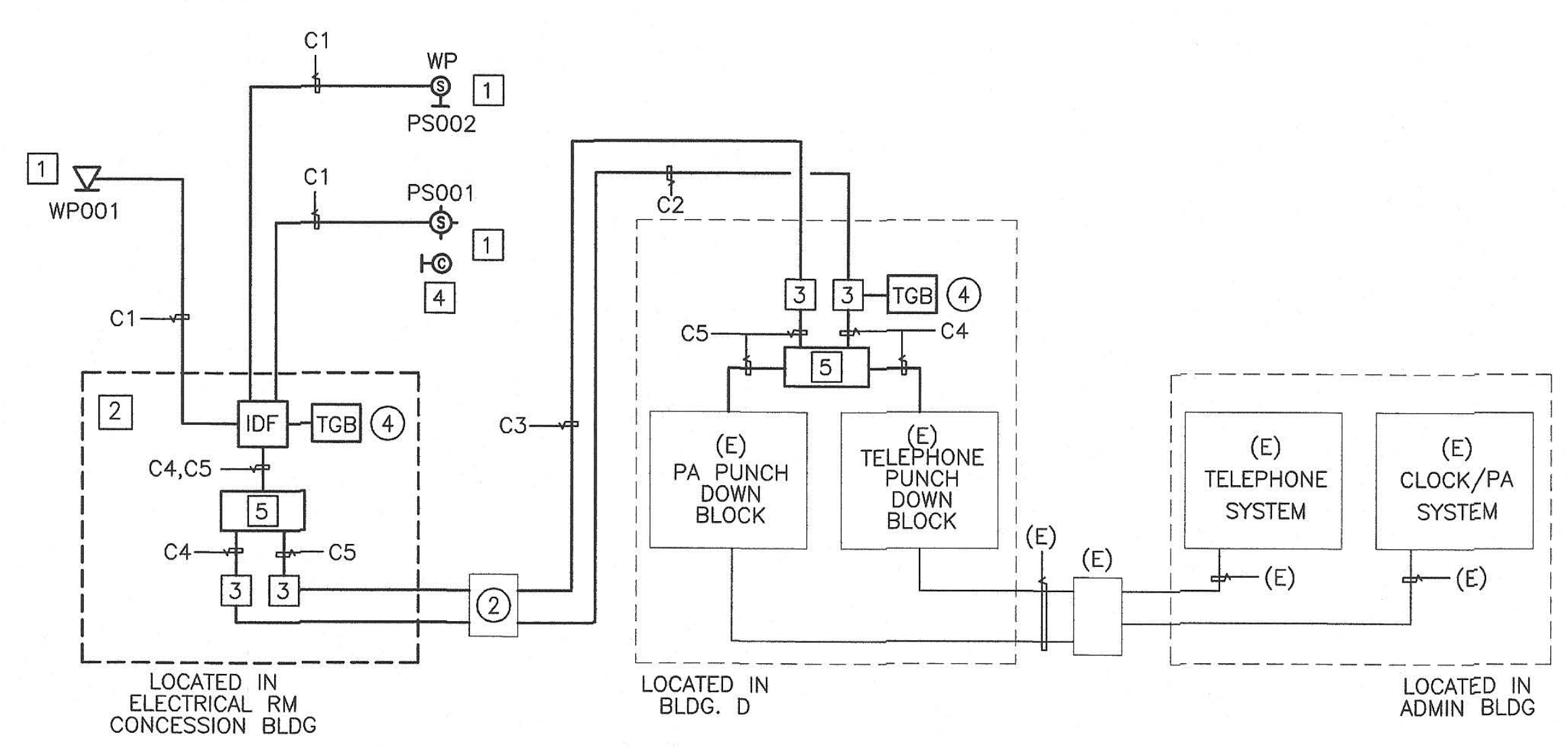
TYPE	INTERCOM CABLE SCHEDULE
	DESCRIPTION
C1	4 PAIR CAT 6
C2	(1) 25 PAIRS AWG ARMOR COPPER CABLE, OSP (SEE SPEC. SECTION 27.05.00, 2.2)
C3	(1) 25 PAIRS AWG ARMOR COPPER CABLE, OSP (SEE SPEC. SECTION 27.05.00, 2.2)
C4	(1) 25 PAIRS TELEPHONE CABLE (ISP) (SEE SPEC. SECTION 27.05.00, 2.5)
C5	(1) 25 PAIRS SPEAKER CABLE (ISP) (SEE SPEC. SECTION 27.05.00, 2.5)

TYPE	SECURITY MATERIAL LIST
MOTION DETECTOR	BOSCH ISC-BPR2 BLUE LINE GEN 2 PIR
KEY PAD	BOSCH D1255
CONTROL PANEL	BOSCH B9512G
ENCLOSURE	BOSCH D8103
LOCK & KEYSET	BOSCH D101
GLASS BREAK	BOSCH DS103i
HORN	AMSECO ABB-1014
POWER SUPPLY	ALARMSAF PS5-M003-UL

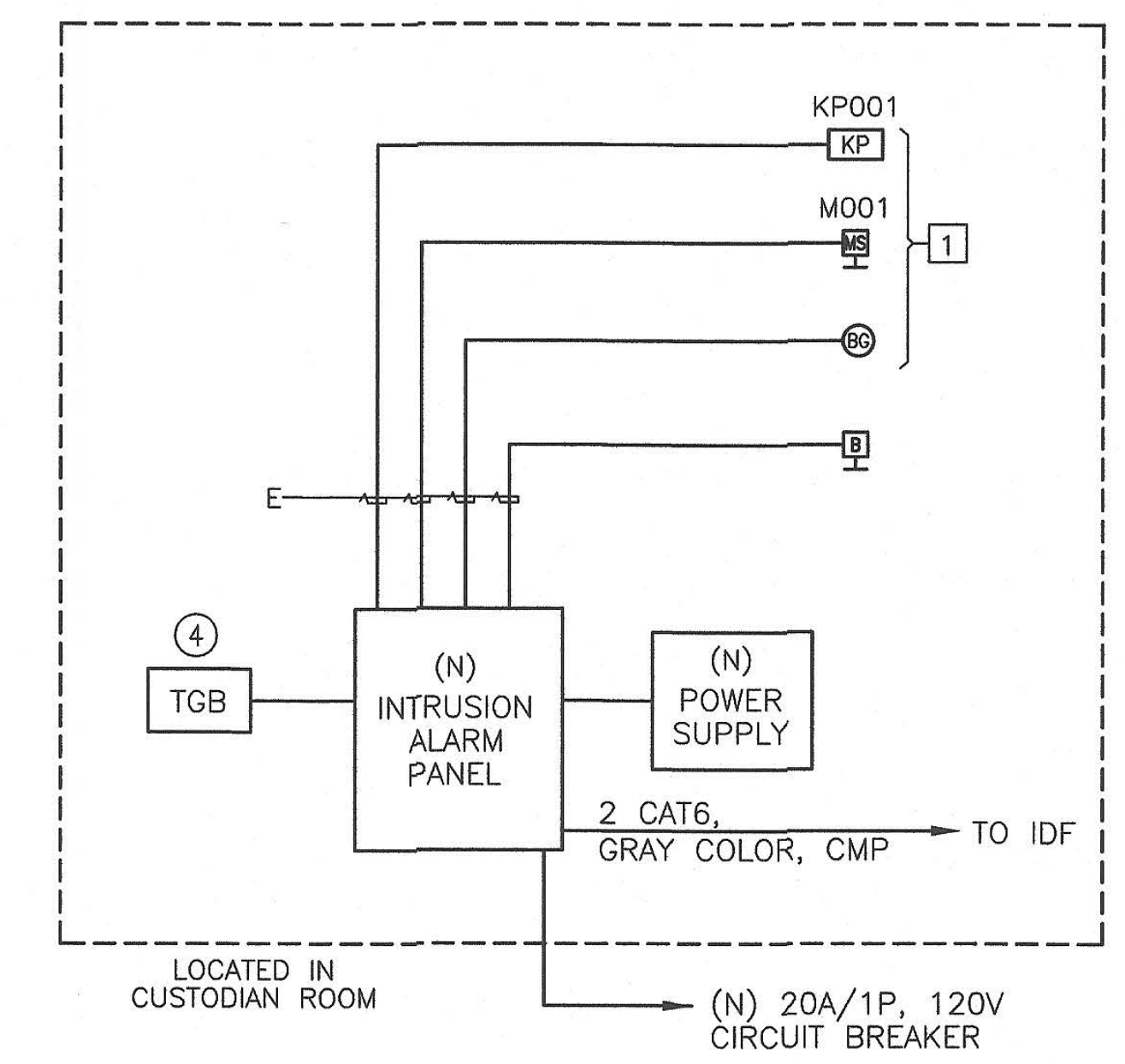
TYPE	INTRUSION ALARM SECURITY CABLE SCHEDULE
	DESCRIPTION
E	4 #18 (UNSHIELDED) (WEST PENN - 2544B)



① DATA/VOICE SYSTEM RISER DIAGRAM ①
E2.2 NOT TO SCALE



② CLOCK, TELEPHONE & INTERCOM SYSTEM RISER DIAGRAM ①
E2.2 NOT TO SCALE



③ INTRUSION ALARM SECURITY SYSTEM RISER DIAGRAM ①
E2.2 NOT TO SCALE

Key Plan

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
San Jose, CA 95132

EAST SIDE UNION HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

SIGNAL RISER DIAGRAM

Regulatory Agency Approval	Architect Seal
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES	
XX-XXXXXX	
AC _____ FLS _____ SS _____	
DATE _____	
File Number 43-H10	Drawing No XX-XXXXXX
Application Number XX-XXXXXX	
Project No. 135259	

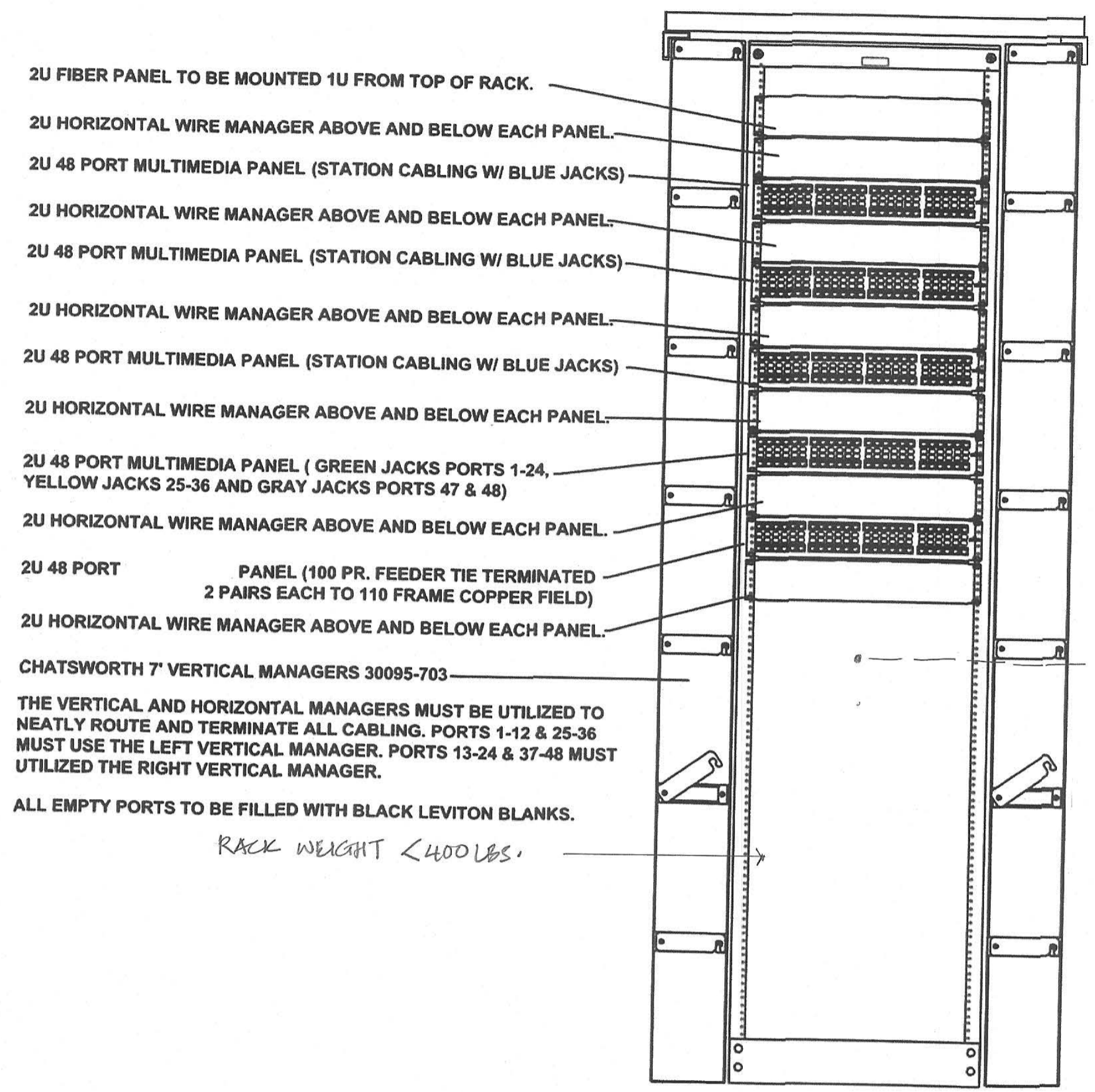
E2.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC _____ FLS _____ SS _____
DATE 5/16/2019

SHEET NOTES:
 ① COORDINATE WITH THE DISTRICT PRIOR TO RACK INSTALLATION.

ARTiK
 ART & ARCHITECTURE
 394-A Umbarger Rd
 San Jose, CA 95111
 Phone 408.224.9890
 Fax 408.224.9891
 www.Artika3.com

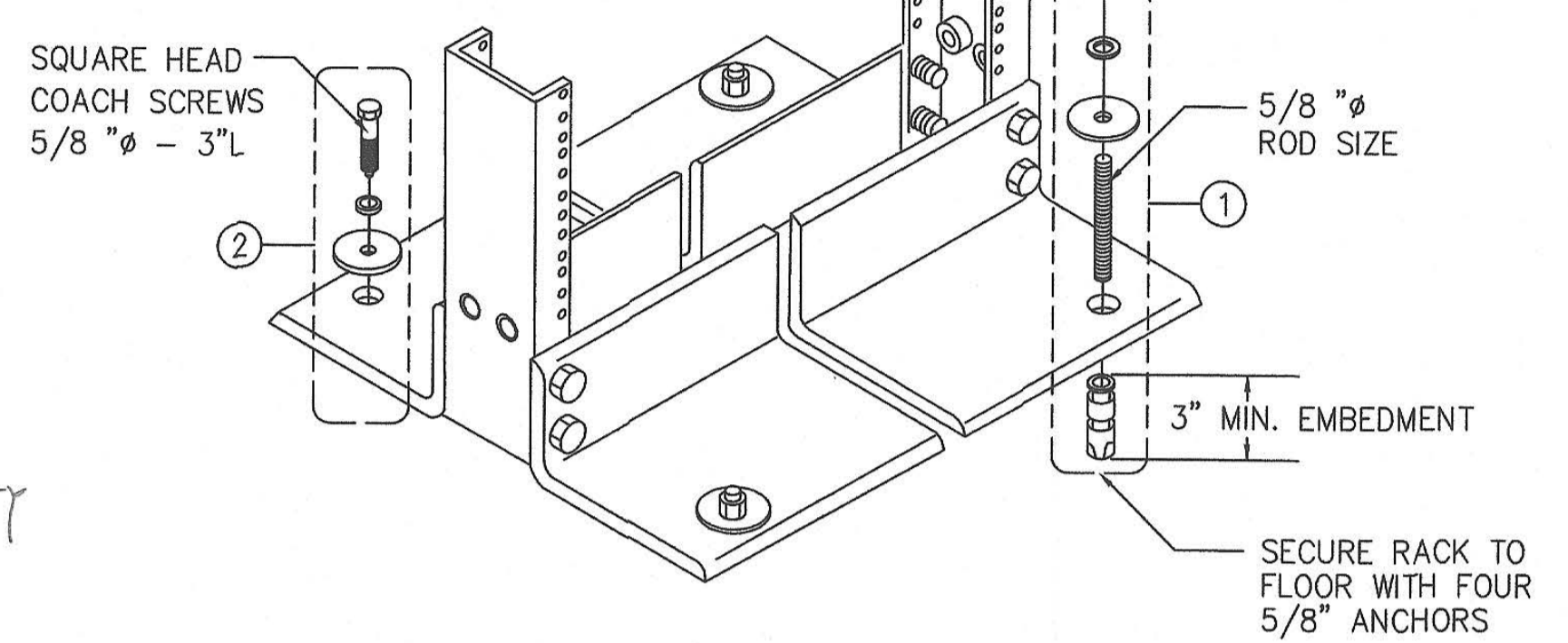
AE Alliance
 Engineering
 Consultants, Inc.
 4701 Piedmont Henry Drive, Bldg. 10 phone (408) 970-9888
 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 175-19-05 www.aec-engineers.com



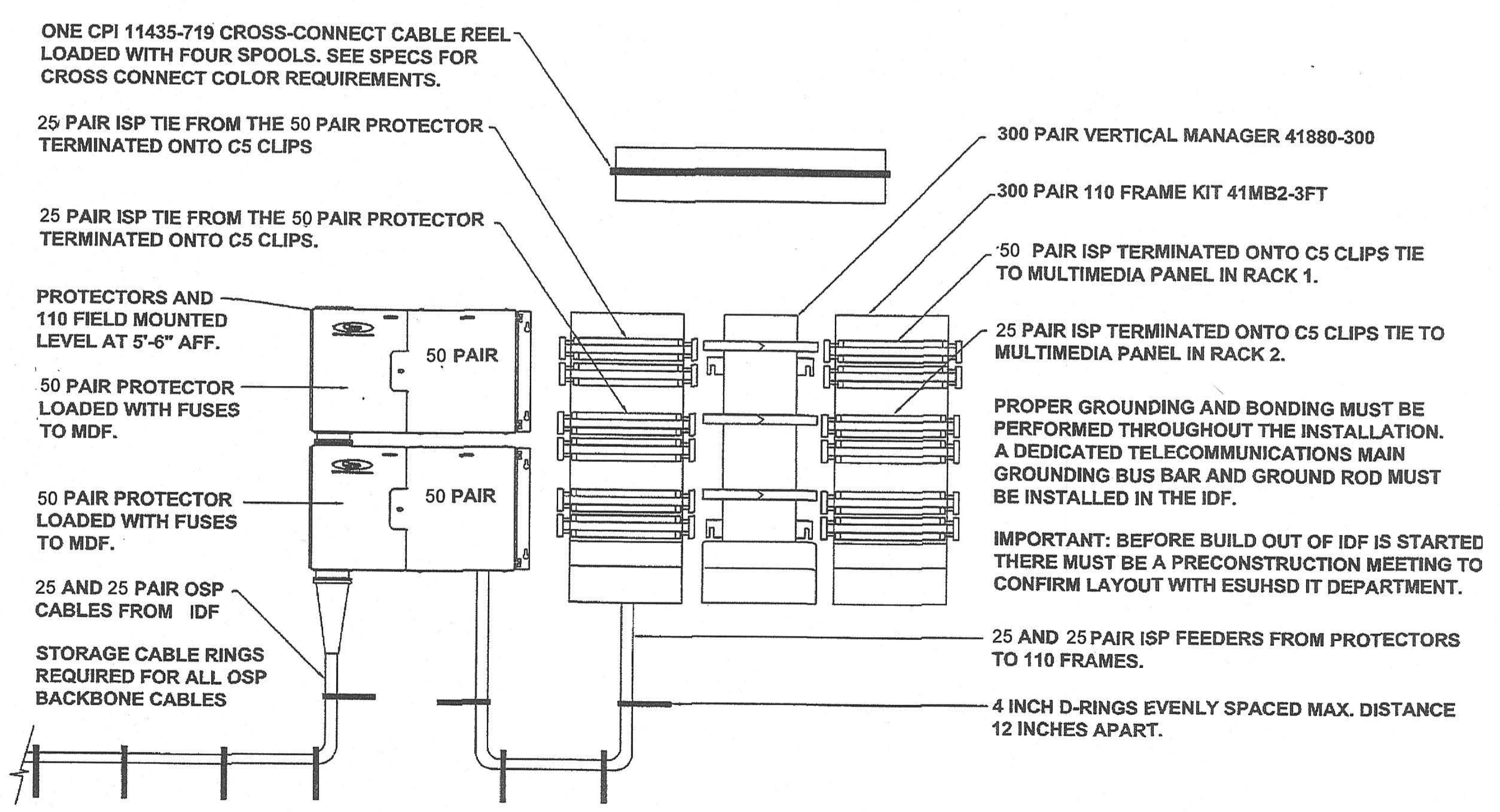
RACK 1 ELEVATION ①

NOTES:

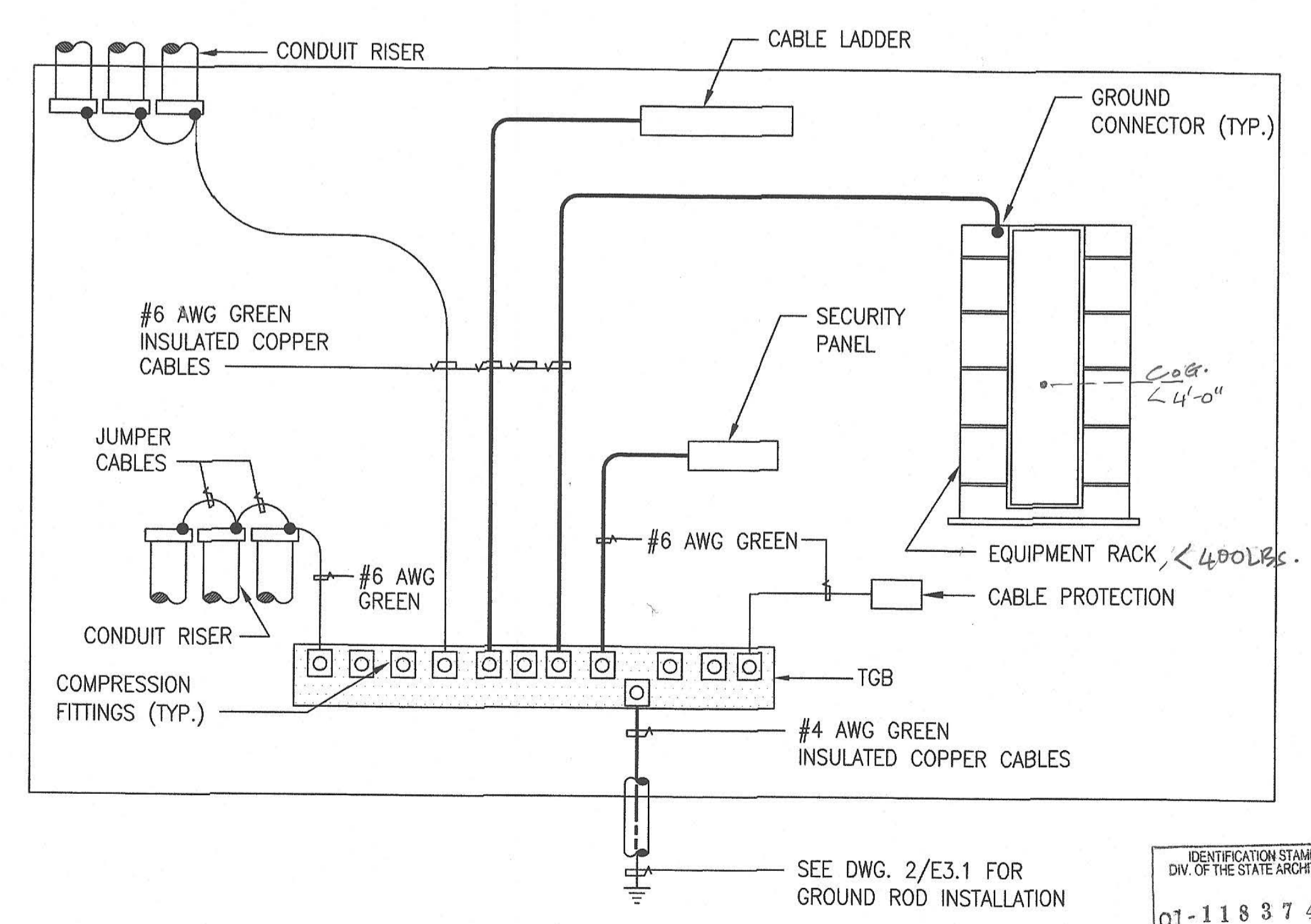
- ① CONCRETE FLOOR ANCHORING. PROVIDE EXP. ANCHORS (1/2" Ø MIN.) X 3 1/2" EMBED.
- ② FOR 2-POST RACK, PROVIDE 1 SET OF CONCRETE FLOOR ANCHORS.



CONCRETE FLOOR ANCHORING DETAIL
EQUIPMENT RACKS MOUNTING DETAIL
 NOT TO SCALE



IDF COPPER BACKBONE ELEVATION STANDARD
 ESUHSU IT GUIDELINES 12-1-11



IDF GROUNDING SCHEMATIC WIRING DIAGRAM
 NOT TO SCALE

Project Title
**PIEDMONT HILLS
 CONCESSION BLDG.**
 1377 Piedmont Rd,
 San Jose, CA 95132

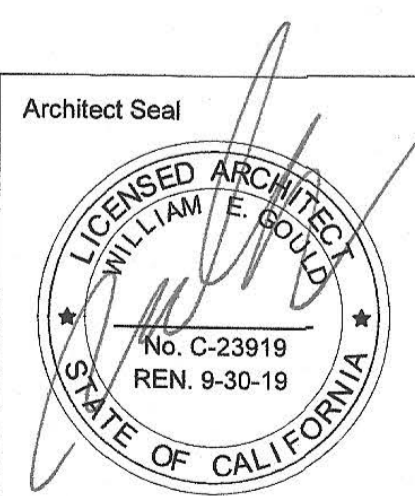
**EAST SIDE UNION
 HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

**IT GUIDELINE STANDARDS
 AND DETAILS**

Regulatory Agency Approval
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 XX-XXXXXX
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 DATE _____



File Number
 43-H10
 Application Number
 XX-XXXXXX
 Project No.
 135259

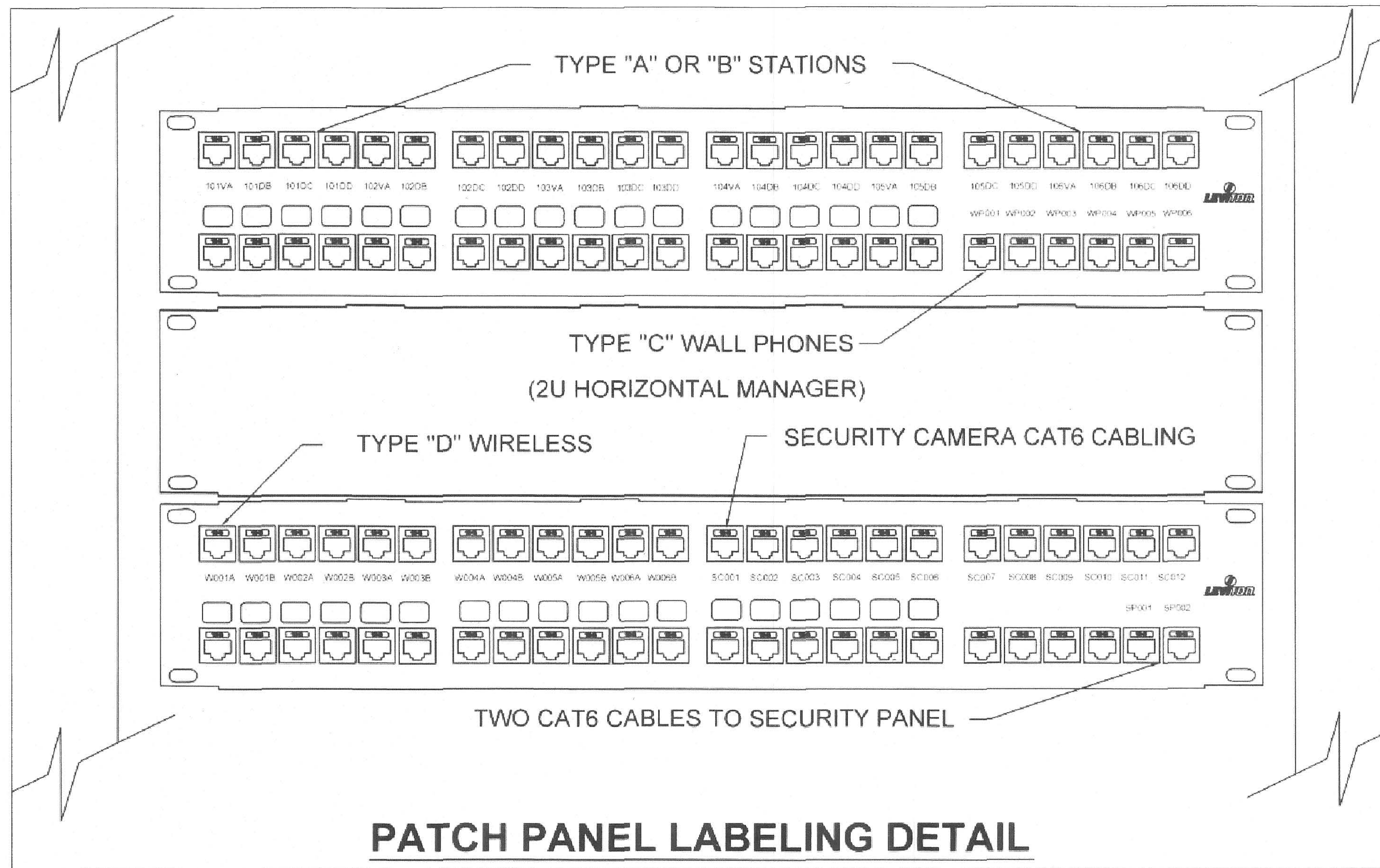
Drawing No
E2.3

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SHEET NOTES:

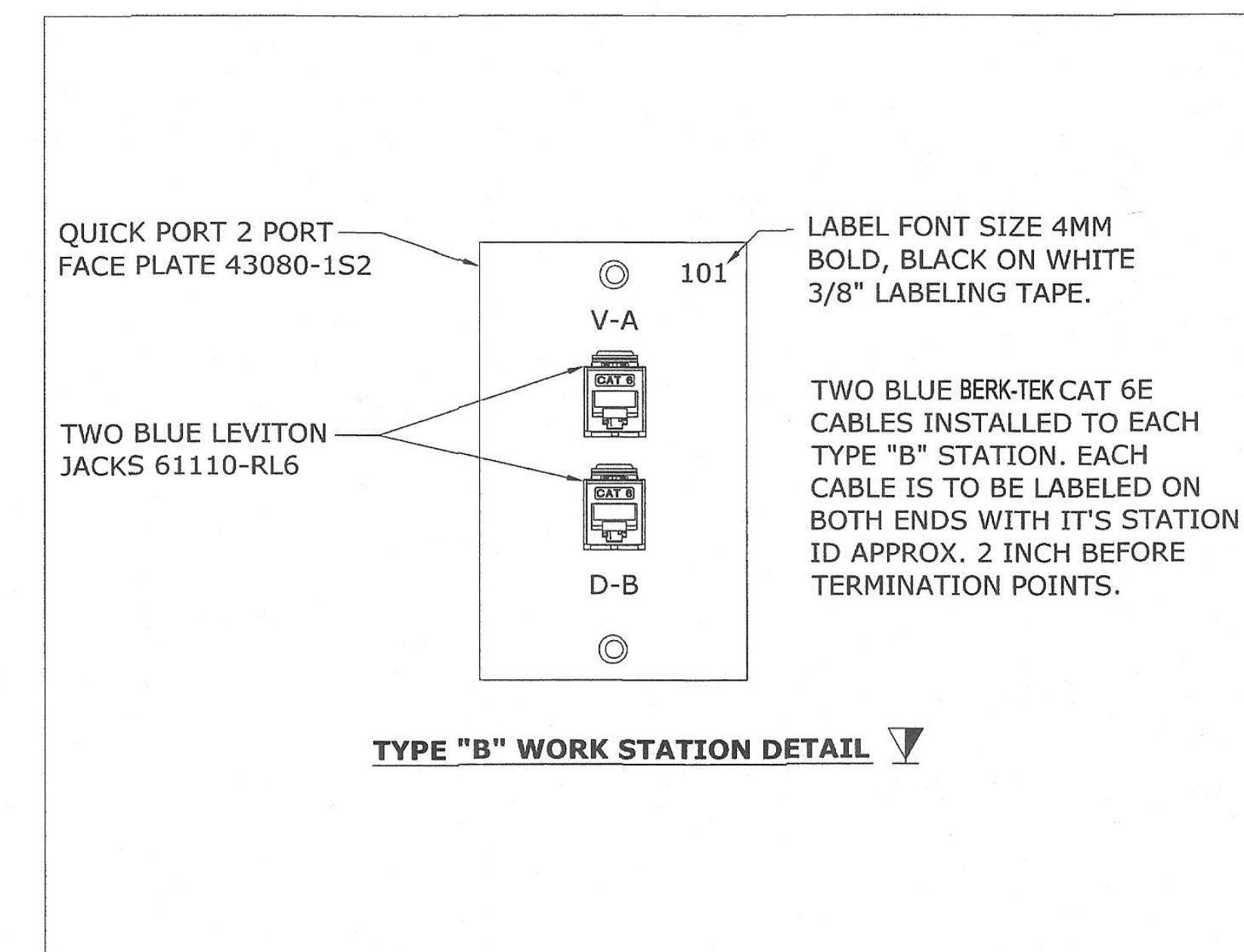
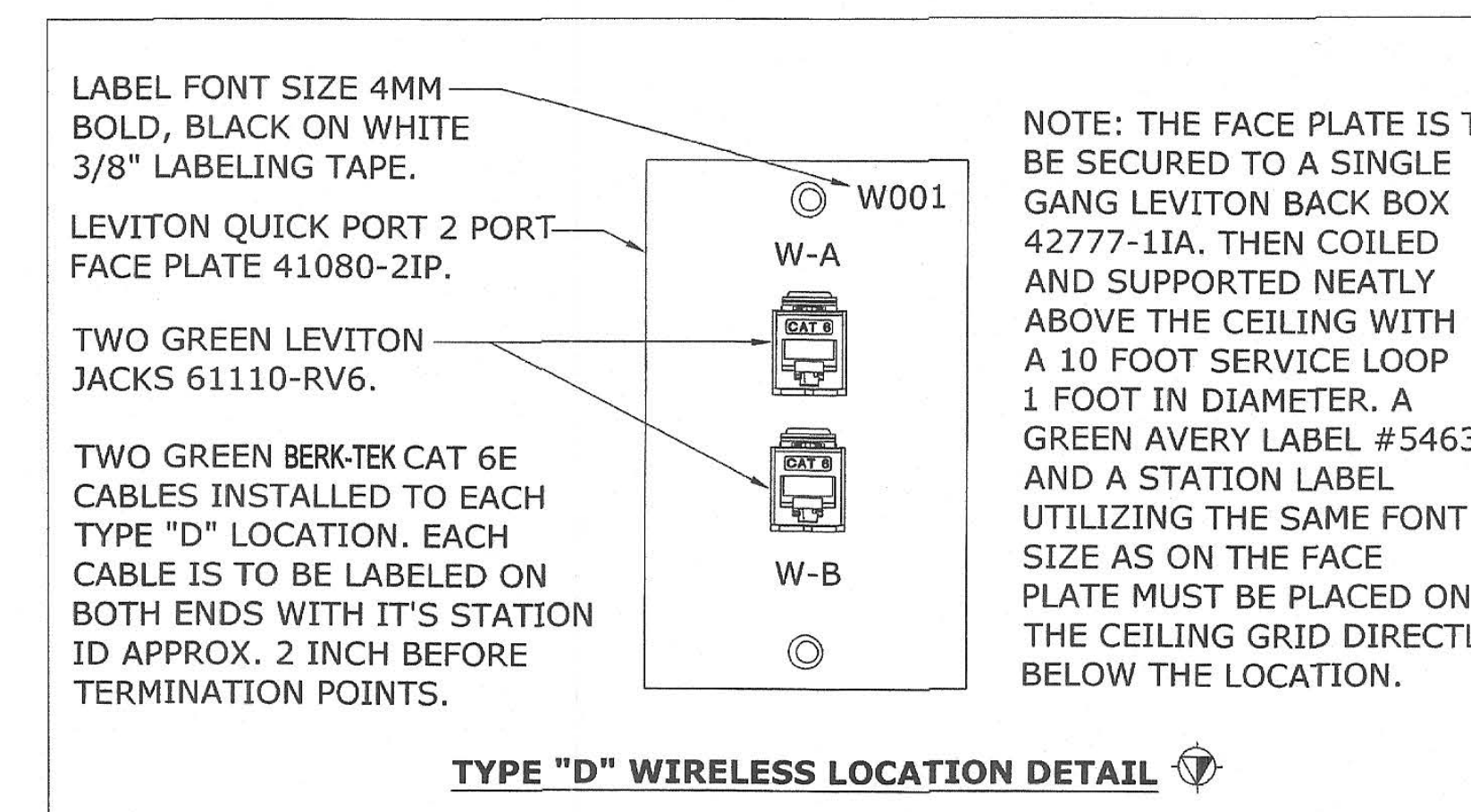
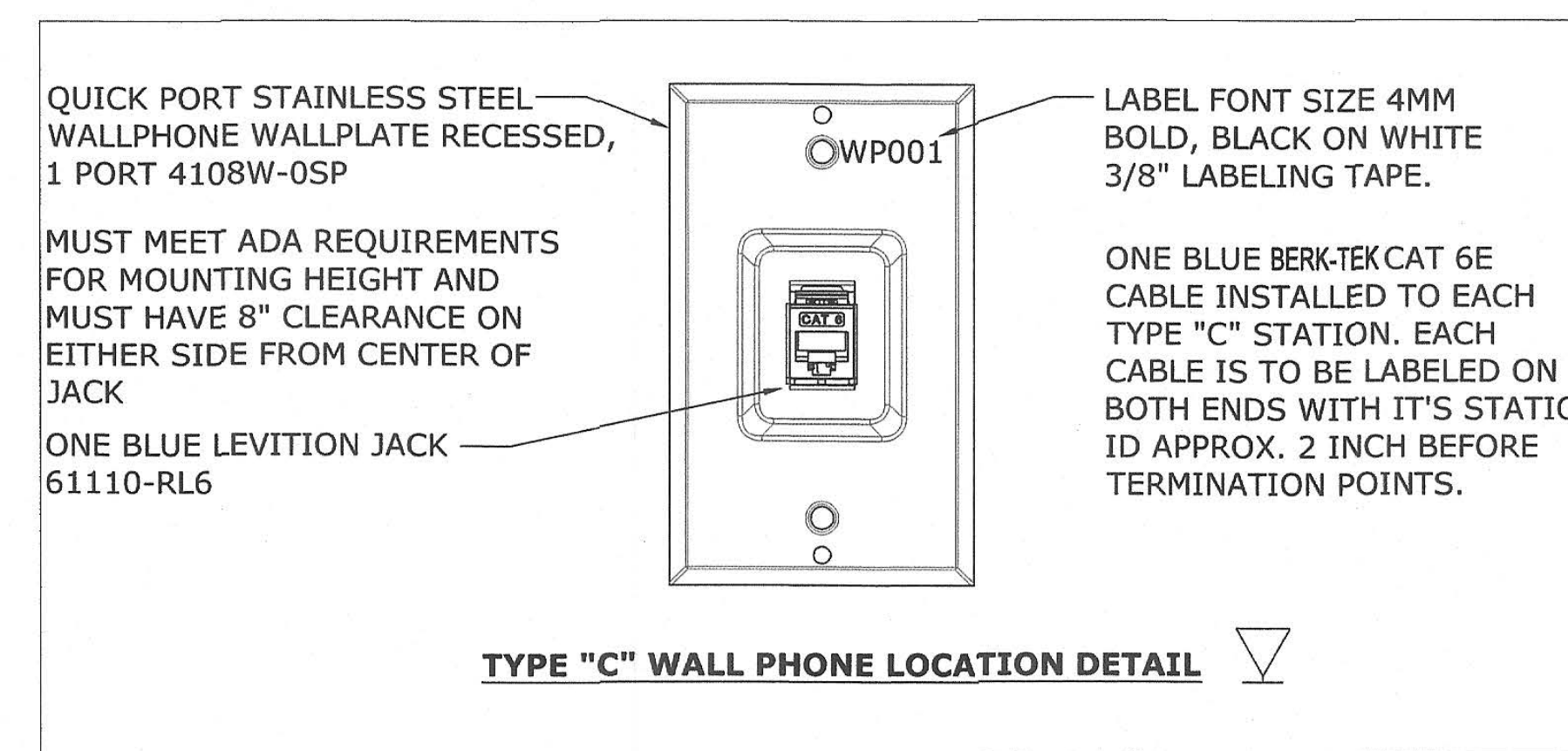
- CONTRACTOR SHALL COORDINATE LABELING WITH DISTRICT PRIOR TO FINAL INSTALL.



PATCH PANEL LABELING DETAIL

ESUHSD IT GUIDELINE STANDARDS
FLOOR PLAN DEVICE NUMBERING EXAMPLE

STATION LOCATIONS	WP LOCATIONS	WIRELESS LOCATIONS	SECURITY CAMERAS	PAGING SPEAKERS	MOTION DETECTORS	KEY PADS
101	WP001	W001	SC001	PS001	M001	KP001
102	WP002	W002	SC002	PS002	M002	KP002
103	WP003	W003	SC003	PS003	M003	KP003
104	WP004	W004	SC004	PS004	M004	KP004



Key Plan

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
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EAST SIDE UNION HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

IT GUIDELINE STANDARDS AND DETAILS

Regulatory Agency Approval

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC 26 FLS. SS BFC
DATE 5/16/2019

Architect Seal



XX-XXXXXX
AC FLS SS
DATE

File Number

43-H10

Application Number

XX-XXXXXX

Project No.

135259

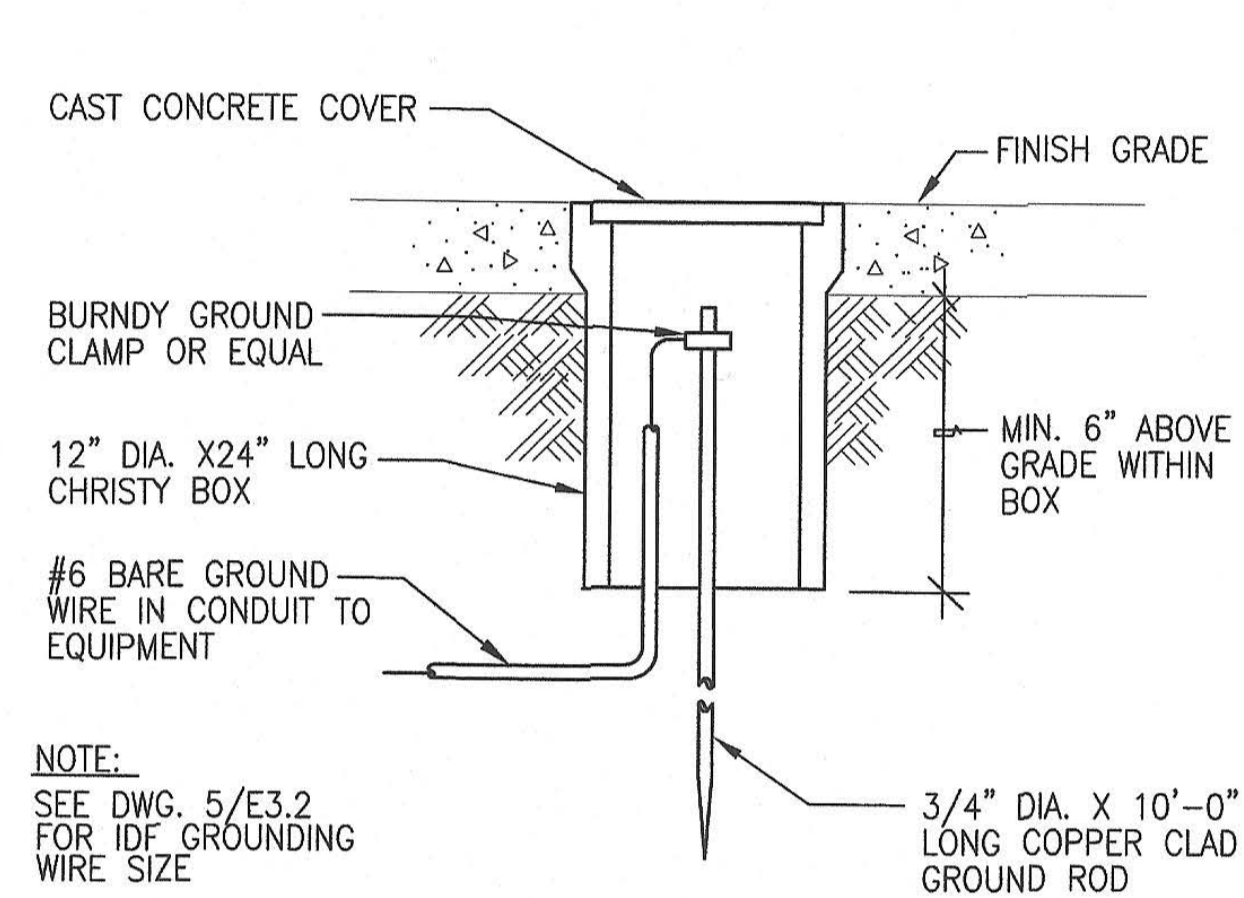
Drawing No

E2.4

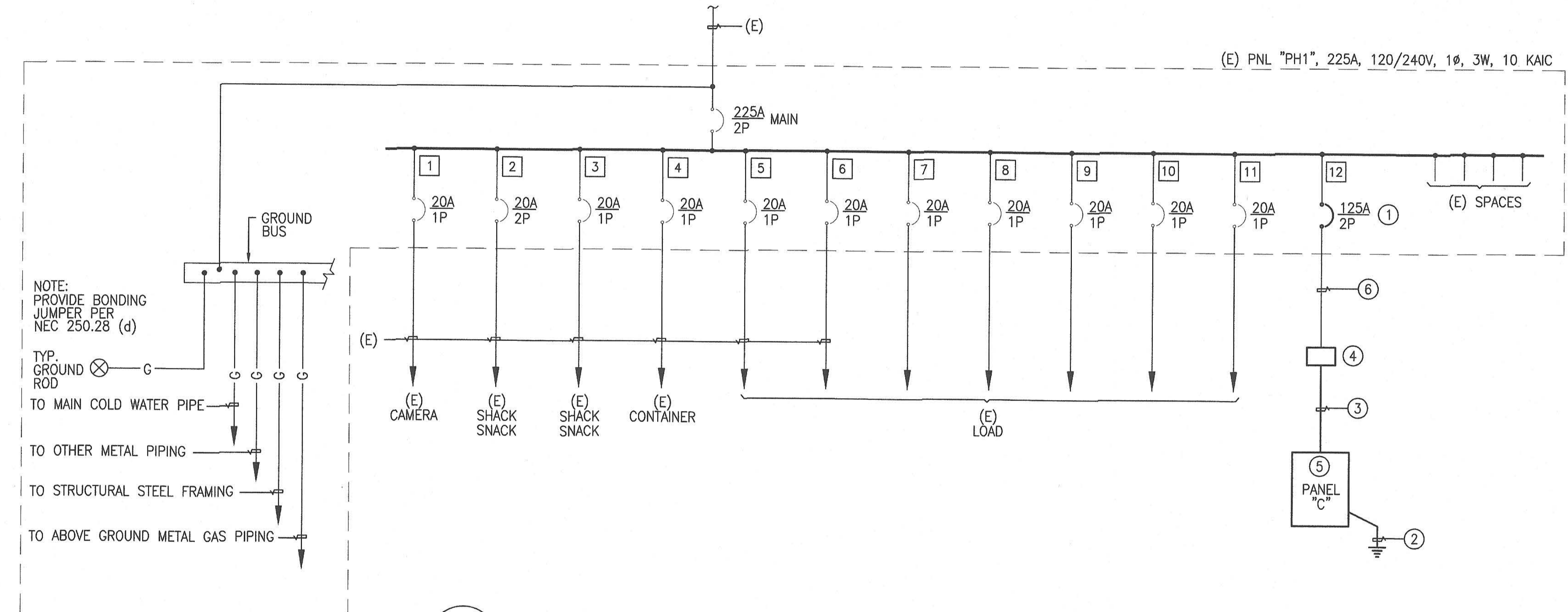
1 PARTS OF IT GUIDELINE STANDARDS 1
E2.4 NOT TO SCALE



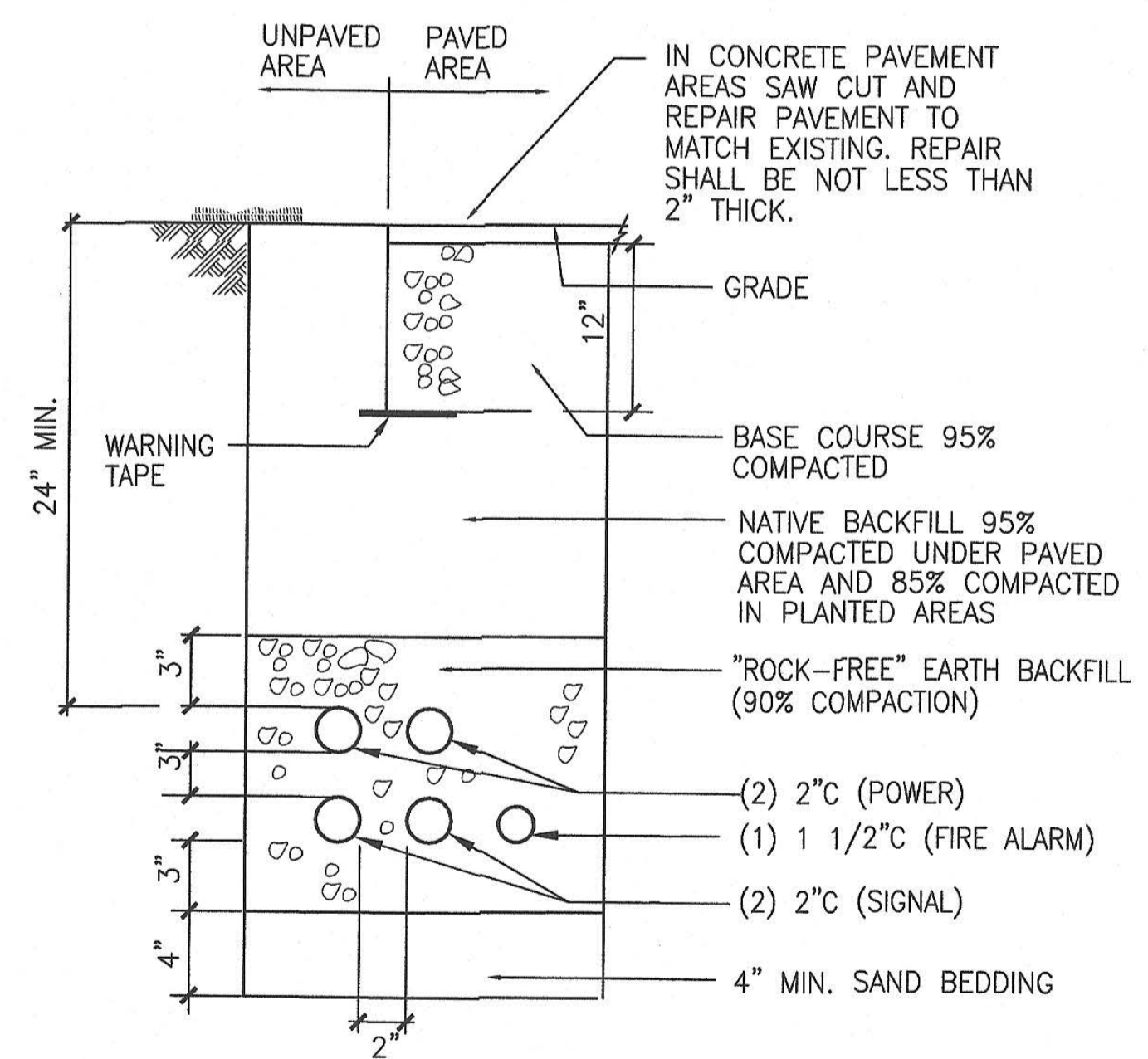
- ### SHEET NOTES:
- PROVIDE (N) CIRCUIT BREAKER IN (E) SPACE, SIZE AS SHOWN. (N) CIRCUIT BREAKER TYPE AND INTERRUPTING RATING SHALL MATCH (E).
 - SEE DWG. 2/E3.1 FOR GROUND ROD INSTALLATION DETAIL.
 - 1 1/2" C, 3 #1/0 & 1 #6 (G)
 - PULLBOX, SEE ELECTRICAL SITE PLAN FOR LOCATIONS.
 - ELECTRICAL PANELBOARD PROVIDED BY PORTABLE MANUFACTURER.
 - (E) 2" C, INSTALL (N) 3 #1/0 & 1 #6 (G)



2 GROUND ROD INSTALLATION DETAIL
E3.1 NOT TO SCALE



1 PARTIAL SINGLE LINE DIAGRAM
E2.1 NOT TO SCALE



3 TRENCH DETAIL
E3.1 NOT TO SCALE

DESCRIPTION	VA		BKR/ POLE	CKT No.	BKR/ POLE	VA		DESCRIPTION
	A	B				A	B	
HAND DRYER	2100		20/1	1 2	20/1	180		LIGHTING - A
HAND DRYER		2100	20/1	3 4	20/1		180	LIGHTING - B
OUTLETS	360		20/1	5 6	20/1	180		OUTLETS
WATER HEATER		1850	20/1	7 8	20/1		900	OUTLETS
OUTLETS	180		20/1	9 10	20/1	900		OUTLETS
OUTLETS		360	20/1	11 12	20/1		180	OUTLETS
ICE MACHINE	900		20/1	13 14	20/1	540		OUTLETS
SECURITY		100	20/1	15 16	20/1		180	OUTLETS
IDF		360	20/1	19 20	20/1		180	WP/GFCI
IDF	360		20/1	21 22	-			
WP/GFCI		540	20/1	23 24	-			
SUBTOTAL	3900	5110				1800	1620	SUBTOTAL
TOTAL LOAD		12.43	KVA;	@	240	VOLTS =	51.8	AMPS

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DIV. OF THE STATE ARCHITECT

01-118374
AC 29 FLS/SS BDF
DATE 5/16/2019

Project Title

**PIEDMONT HILLS
CONCESSION BLDG.**

1377 Piedmont Rd,
San Jose, CA 95132

**EAST SIDE UNION
HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

**PARTIAL SINGLE LINE DIAGRAM,
SCHEDULES AND DETAILS**

Regulatory Agency Approval

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

XX-XXXXXX

AC FLS SS
DATE

Architect Seal

LICENSED ARCHITECT
WILLIAM E. BROWN
No. C-23919
REN. 9-30-19
STATE OF CALIFORNIA

File Number

43-H10

Application Number

XX-XXXXXX

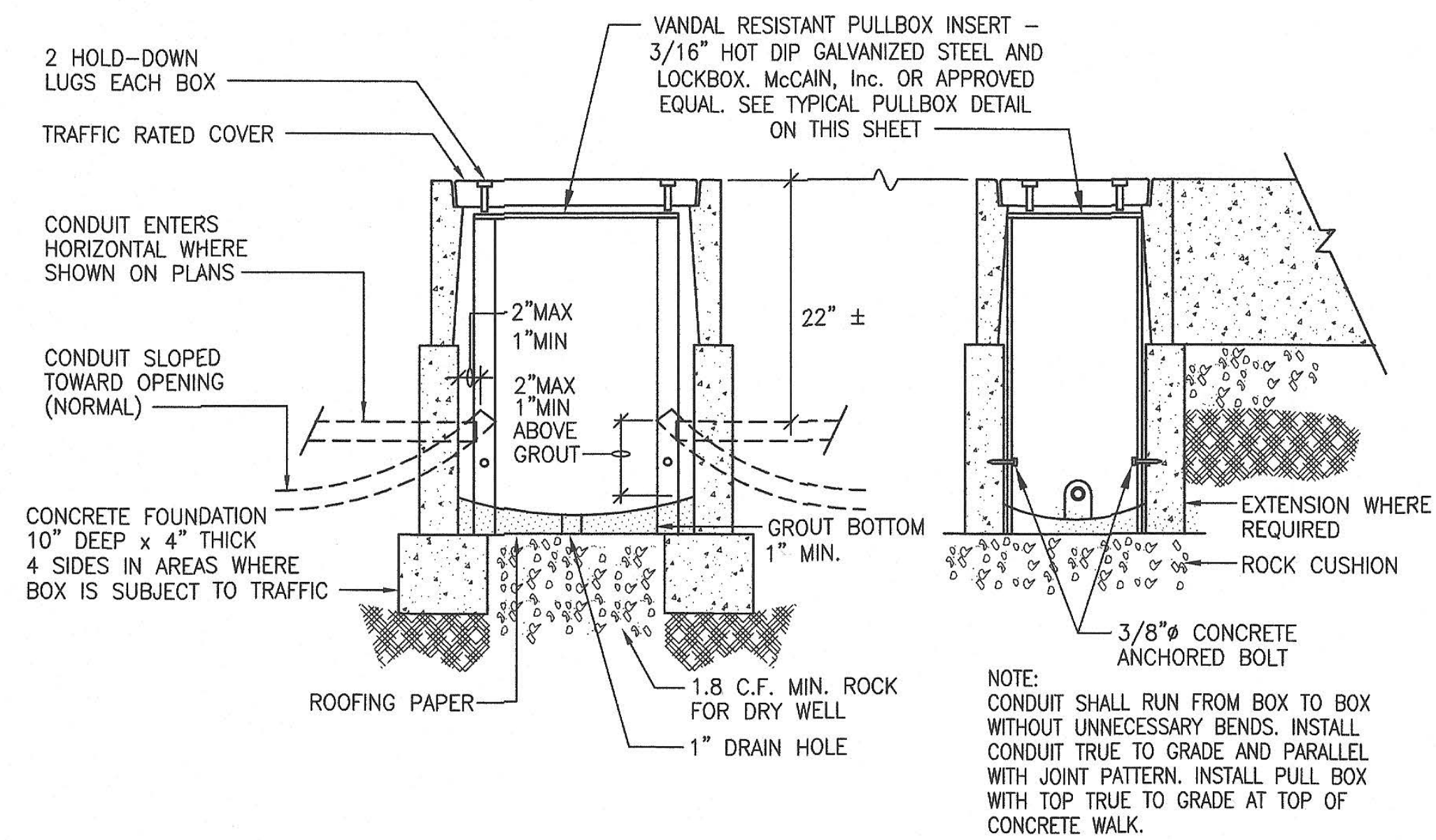
Project No.

135259

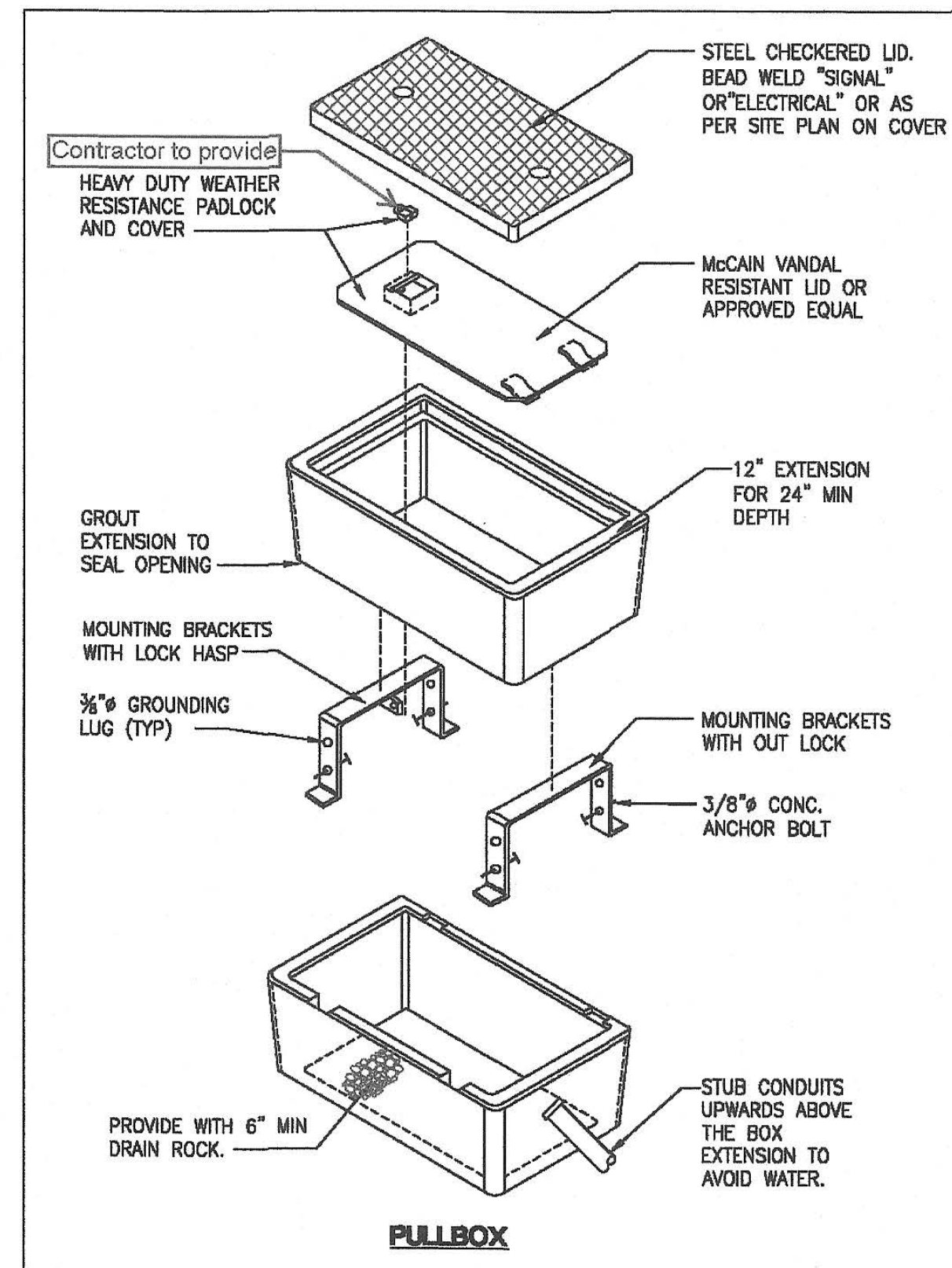
Drawing No

E3.1

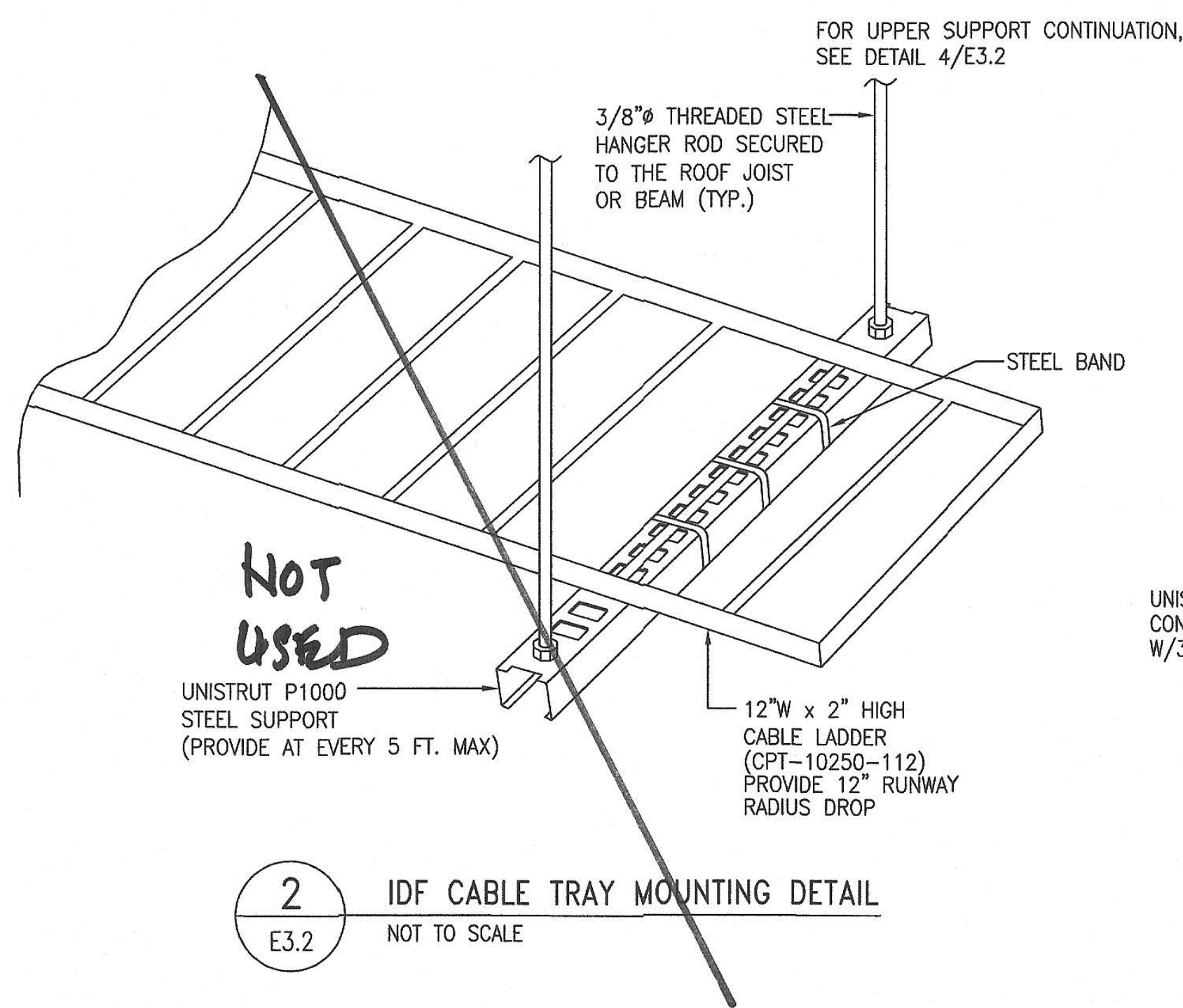
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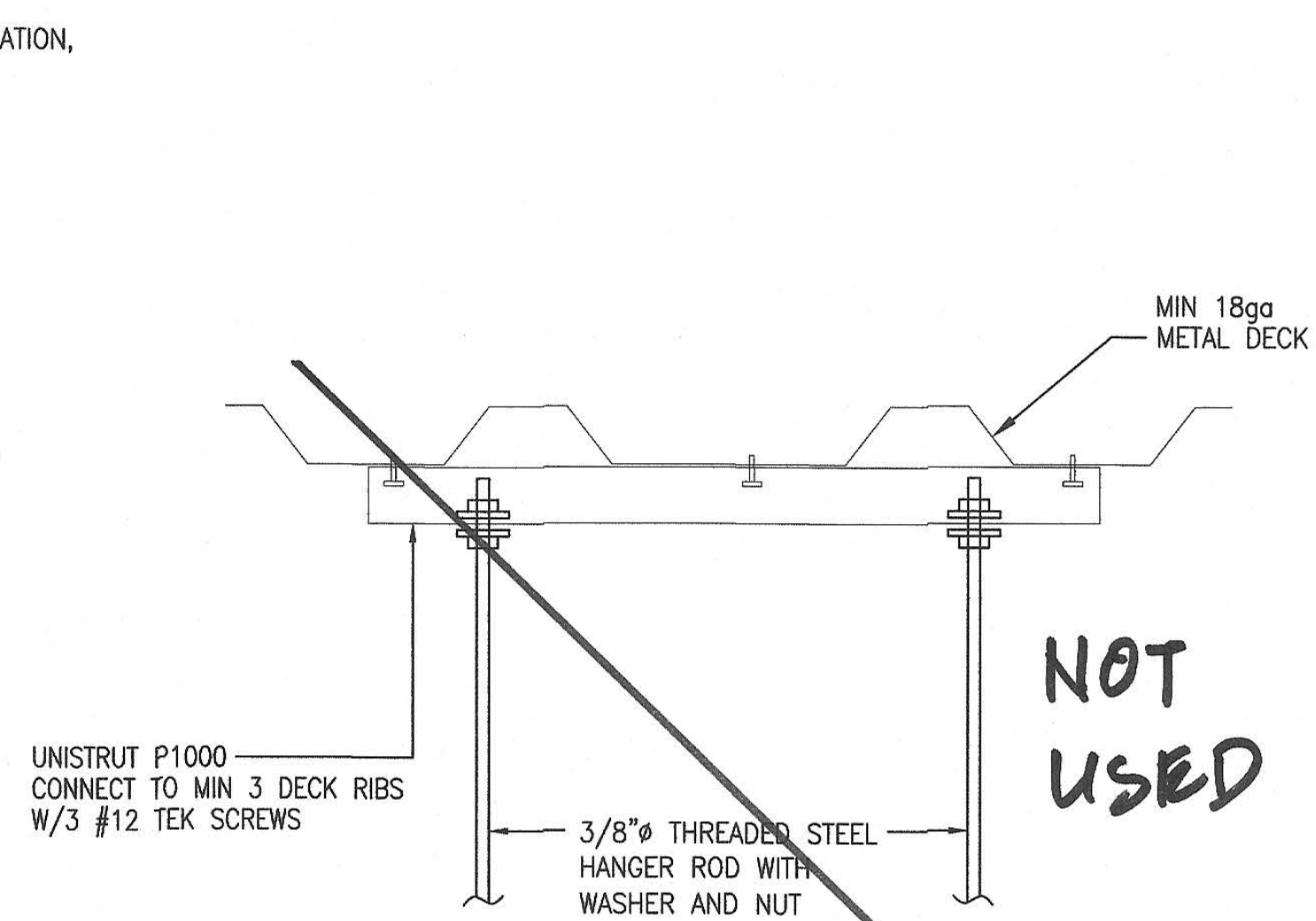
1 CONCRETE PULLBOX INSTALLATION
E3.2 NOT TO SCALE



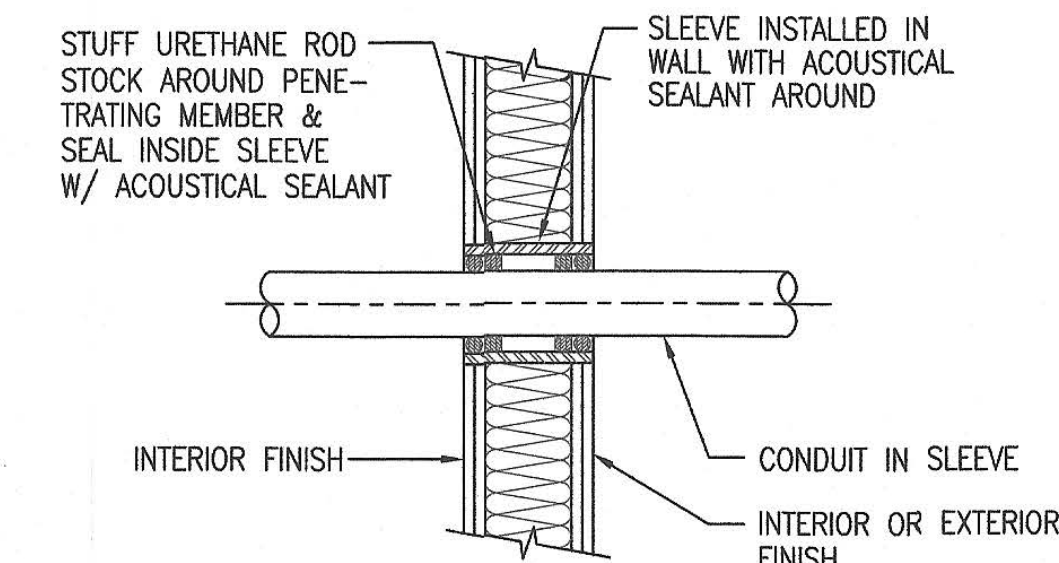
TYPICAL PULLBOX DETAIL ①



2 IDF CABLE TRAY MOUNTING DETAIL
E3.2 NOT TO SCALE



3 IDF CABLE TRAY UPPER SUPPORT MOUNTING DETAIL
E3.2 NOT TO SCALE



NOTE: PATCH AND FINISH TO MATCH (E)
THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814(UL1479) FIRE TEST AND UL THROUGH PENETRATION FIRESTOP SYSTEM #WL1001.

4 TYPICAL WALL PENETRATION
E3.2 NOT TO SCALE

SHEET NOTES:
① PADLOCK SHALL BE KEYPED TO DISTRICT STANDARD PADLOCK KEYING. COORDINATE WITH THE DISTRICT.

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PROJECT NO. 175-16-06 www.aec-engineers.com



Key Plan

Project Title

PIEDMONT HILLS CONCESSION BLDG.
1377 Piedmont Rd,
San Jose, CA 95132
EAST SIDE UNION HIGH SCHOOL DISTRICT

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

DETAILS

Regulatory Agency Approval
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
XX-XXXXXX
AC FLS SS
DATE 5/16/2019

Architect Seal
LICENSED ARCHITECT
WILLIAM E. GUILD
No. 023819
REN. 9-30-19
STATE OF CALIFORNIA

File Number
43-H10
Application Number
XX-XXXXXX
Project No.
135259

Drawing No
E3.2

Plot Date: 5/15/2019 5:53:11 PM

GENERAL NOTES

- 1. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE, SPECIFICATIONS AND STANDARD, LATEST RULES AND REGULATIONS OF THE SAFETY ORDERS ISSUED BY THE DIVISION OF INDUSTRIAL SAFETY, THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
 - 2. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS, VISIT CONSTRUCTION SITE AND ATTEND THE PRE-BID MEETING WITH THE ARCHITECT WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANYWAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
 - 3. FIELD VERIFY TO CONFIRM ALL FIRE RATED CEILING AND WALLS. PROVIDE FIRE STOP SEALS PER UNIFORM BUILDING CODE FOR CONDUIT PENETRATION THROUGH FIRE RATED FLOORS, WALLS AND CEILINGS.
 - 4. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES AND BEAR THEIR LABEL.
 - 5. CONDUIT ROUTING SHOWN IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES. ALL EXPOSED CONDUIT, BOXES, FITTINGS, SUPPORT, ETC. SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
 - 6. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL AND OTHER DRAWINGS RELATED TO THIS PROJECT FOR ADDITIONAL WORK TO BE PROVIDED.
 - 7. THE OWNER RETAINS FIRST SALVAGE RIGHTS TO ALL EXISTING EQUIPMENT REMOVED UNDER THIS CONTRACT. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH THE OWNER FOR DISPOSITION OF THE EXISTING EQUIPMENT TO BE REMOVED BY HIM. THE CONTRACTOR SHALL INCLUDE IN HIS BID PROPOSAL ALL COSTS RELATED TO THE DISPOSAL OF EXISTING EQUIPMENT REMOVED UNDER THIS CONTRACT.
 - 8. ANY POWER SHUTDOWN SHALL BE COORDINATED WITH SCHOOL DISTRICT PROJECT MANAGER. A SHUTDOWN SCHEDULE SHALL BE PRESENTED TO SCHOOL DISTRICT FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN SHALL BE PERFORMED IN OVERTIME HOURS IF SO DIRECTED BY SCHOOL DISTRICT.
 - 9. DEMOLITION WORK SHALL BE PROVIDED AS REQUIRED TO ACCOMPLISHED NEW WORK CALLED FOR AND AS NOTED. WORK SHALL BE PERFORMED CAREFULLY TO AVOID DAMAGE TO SURFACES, STRUCTURES, AND EQUIPMENT NOT BEING REMOVED. EXISTING EQUIPMENT AND/OR ELECTRICAL WIRING WHICH IS TO REMAIN, BUT HAS BEEN REMOVED TO FACILITATE THE INSTALLATION OF THE NEW EQUIPMENT, SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION.
 - 10. BLANK COVERS SHALL BE INSTALLED WHEREVER DEVICE IS REMOVED AND OUTLET BOX REMAINS IN PLACE.
 - 11. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUCTORS SHALL BE 12 AWG THIN STRANDED COPPER ONLY.
 - 12. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUIT SHALL BE 3/4".
 - 13. GREEN INSULATED GROUND CONDUCTORS SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUIT WIRING.
 - 14. PROVIDE LABELS ON ALL EQUIPMENT AND DEVICES. LABELS SHALL BE SELF-ADHESIVE PHENOLIC TYPE AND WHITE LETTER ON BLACK BACKGROUND. PROVIDE BRADY OR DYMO TYPE LABELS (CIRCUIT IDENTIFICATION) FOR ALL SWITCHES AND RECEPTACLES.
 - 15. THE CONTRACTOR SHALL PROVIDE TYPEWRITTEN DIRECTORIES FOR ALL ELECTRICAL PANELS INVOLVED IN THIS PROJECT. THE PANEL DIRECTORIES SHALL REFLECT THE AS-BUILT CIRCUITS. ONE COPY OF THE SCHEDULE SHALL BE TAPED TO THE INSIDE OF THE PANEL DOOR, AND ONE COPY SHALL BE SUBMITTED TO THE ENGINEER AS AN "AS-BUILT" DRAWING.
 - 16. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A SEISMIC FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
 - a. THE TOTAL DESIGN LATERAL SEISMIC FORCE SHALL BE DETERMINED PER CALIFORNIA BUILDING CODE (CBC) 2013. FORCES SHALL BE APPLIED IN THE HORIZONTAL DIRECTIONS, WHICH RESULT IN THE MOST CRITICAL LOADING FOR DESIGN.
 - b. THE VALUE OF A_v (COMPONENT AMPLIFICATION FACTOR), R_p (COMPONENT RESPONSE MODIFICATION FACTOR), C_e (SEISMIC COEFFICIENT) AND I_p (SEISMIC IMPORTANCE FACTOR) BE DETERMINED PER CALIFORNIA BUILDING CODE (CBC) 2013.
- WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.
- 17. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. THE DRAWINGS SHOWING LOCATION OF EQUIPMENT IN EXISTING AREAS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONCEAL ALL WORK; IF THIS NOT POSSIBLE, SURFACE RACEWAY SUCH AS WIREMOLD SHALL BE USED ONLY WITH THE APPROVAL OF THE ARCHITECT AND OWNER.
 - 18. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING PAINTING AND/OR OTHER REPAIRS DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED. THIS SHALL INCLUDE ALL WALLS, CEILINGS, ROOFS, PAVEMENT, PLANTERS, ETC.
 - 19. OUTLETS MOUNTED ON WALL BACK TO BACK SHALL MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF 24" OR BE SEPARATED BY A STUD.
 - 20. ALL EXPOSED CONDUITS, BOXES AND CABINETS INSTALLED IN FINISHED AREAS SHALL BE PAINTED TO MATCH COLOR OF ADJACENT WALL OR CEILING.
 - 21. THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE, AN UP TO DATE "AS BUILT" DRAWING SET. THE "AS BUILT" DRAWING SET SHALL REFLECT ALL APPROVED CHANGES TO THE DESIGN DRAWINGS. THE "AS BUILT" DRAWING SET SHALL BE KEPT CLEAN AND IN GOOD CONDITION AND SHALL BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL BE UPDATED DAILY AND BE CHECKED WEEKLY BY IOR. THE PROGRESS PAYMENT IS TIED TO THEIR COMPLETION.
 - 22. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL SCHEDULE AND PERFORM A COMPLETE FUNCTIONAL TEST TO DEMONSTRATE TO THE OWNER THAT THE NEW INSTALLATION IS OPERATING AS INTENDED. ANY DEFECTS OR DEFICIENCIES IN THE MATERIALS OR WORK SHALL CORRECTED IMMEDIATELY BY AND AT THE CONTRACTOR'S EXPENSE.
 - 23. PROVIDE ACCESSIBLE PANEL FOR HEAT DETECTOR ABOVE CEILING WHERE REQUIRED.

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
	WIRING CONCEALED IN CEILING OR WALL LINE WEIGHT TOP TO BOTTOM= NEW, EXISTING TO REMAIN, FUTURE
	WIRING CONCEALED IN FLOOR OR UNDER GRADE OR ROUTED IN CEILING SPACE OF FLOOR BELOW. LINE WEIGHT TOP TO BOTTOM= NEW, EXISTING TO REMAIN, FUTURE
	WIRING EXPOSED. LINE WEIGHT TOP TO BOTTOM= NEW, EXISTING TO REMAIN, FUTURE
	EXISTING ITEM TO BE REMOVED
	LOW VOLTAGE CABLE IN CONDUIT
	STROKES INDICATE QUANTITY OF #12 AWG. CONDUCTORS IF MORE THAN 3. UON. NOTE: WIRING STROKES FOR 20A BRANCH CIRCUITS ARE NOT SHOWN ON DRAWINGS. CONTRACTOR SHALL USE INFORMATION IN PANEL AND BRANCH CIRCUIT SCHEDULES TO PROVIDE REQUIRED CIRCUITING. ALL SHARED NEUTRAL SHALL BE #10 U.O.N.
	GROUND HOT NEUTRAL
	HOME RUN WIRING TO INDICATED DESTINATION, 3/4" C. MIN. OR AS OTHERWISE NOTED. CONTRACTOR SHALL USE CIRCUIT SIZES NOTED IN RESPECTIVE SCHEDULES AND INFORMATION IN THE FEEDER AND BRANCH CIRCUIT SCHEDULES.
	CONDUIT RUN TURNED UP THROUGH FLOOR OR CEILING. CORE & FIREPROOF AS REQUIRED. CONDUIT RUN TURNED DOWN THROUGH FLOOR OR CEILING. CORE & FIREPROOF AS REQUIRED.
	CONDUIT STUBBED OUT AT LOCATION SHOWN. PROVIDE INSULATED BUSHING & PULLROPE. RACEWAY STUBBED OUT FOR FUTURE CONTINUATION; CAP, MARK AND RECORD LOCATION.
	JUNCTION BOXES, WALL, CEILING AND FLUSH FLOOR MOUNTED. 4" SQ. BOX MIN., LARGER IF REQUIRED
	WIRING EXTENSION POINT - CONDUIT TO MC CABLE OR MANUFACTURED WIRING SYSTEM J-BOX ABOVE ACCESSIBLE CEILING AREAS, OR EXTEND CONDUIT & WIRE IN EXPOSED OR "HARD" CEILING AREAS. SHADED= ON ALT. POWER SOURCE (EMERG. UPS, ETC.)
	PULL BOX, MIN. SIZE PER NEC, UON.
	FLEXIBLE CONDUIT CONNECTION
	POWER CONNECTION TO DIV 15 FIRE/SMOKE DAMPER. REFER TO FSD CONNECTION DETAIL IF NOT SHOWN
	LOW VOLTAGE SYSTEM GROUND CONNECTION
	GROUND ROD CONNECTION
	GROUND ROD CONNECTION WITH TEST WELL BOX
	LIGHTNING SYSTEM AIR TERMINAL

APPLICABLE CODES

- 1. 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
- 2. 2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2 (PART 2, TITLE 24, CCR)
- 3. 2016 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
- 4. 2016 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
- 5. 2016 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
- 6. 2016 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
- 7. 2016 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)
- 8. 2016 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
- 9. 2016 CALIFORNIA REFERENCE STANDARDS CODE (PART 12, TITLE 24, CCR)
- 10. NFPA 13, 2016 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
- 11. NFPA 14, 2016 EDITION, THE INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS
- 12. NFPA 24, 2016 EDITION, THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
- 13. NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL AND ASSOCIATED COMPONENTS. PROVIDE 120V POWER AS REQUIRED OR AS INDICATED.
	REMOTE NOTIFICATION POWER SUPPLY
	LOCAL OPERATING CONSOLE WITH MICROPHONE AND ANNUNCIATOR
	SMOKE DETECTOR
	HEAT DETECTOR
	SPEAKER/STROBE
	SPEAKER - WEATHERPROOF

FIRE ALARM SCOPE OF WORK

THE INTENT OF THIS PROJECT IS TO PROVIDE A COMPLETE FIRE ALARM SYSTEM FOR CONCESSION BUILDING.

FIRE ALARM SYSTEM GENERAL NOTE

THE FIRE DETECTION AND ALARM SYSTEM, UPON ACTIVATION OF AN INITIATING DEVICE, SHALL ALERT ALL OCCUPANTS AND SHALL TRANSMIT THE ALARM SIGNAL TO AN APPROVED SUPERVISING CENTRAL MONITORING STATION.

ABBREVIATIONS

- (E) EXISTING TO REMAIN
- (F) FUTURE
- (R) EXISTING TO BE REMOVED
- (RL) EXISTING TO BE RELOCATED
- AB ABOVE COUNTER BACKSPLASH
- ACU AIR CONDITIONING UNIT
- AC ALTERNATING CURRENT
- A, AMP AMPERES
- AF AMPERE (RATED) FUSE OR CB FRAME
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AL ALUMINUM (ALLOY)
- ALC AUTOMATIC LIGHTING CONTROL
- AS AMPERE (RATED) SWITCH
- AT CIRCUIT BRKR TRIP SETTING (AMPS)
- ATS AUTOMATIC TRANSFER SWITCH
- AUTO AUTOMATIC
- AUX AUXILIARY
- AWG AMERICAN WIRE GAUGE
- B BELL (FIRE ALARM)
- BAT BATTERY
- BG BELOW GRADE
- C CONDUIT (CIRCULAR RACEWAY)
- CAB CABINET
- CKT CIRCUIT
- CLG CEILING
- CO CONDUIT ONLY
- CU COPPER
- DC DIRECT CURRENT
- DIV DIVISION
- DPST DOUBLE POLE SINGLE THROW DRAWING
- ENCL ENCLOSURE
- EO ELECTRICALLY OPERATED
- EOL END OF LINE
- FA FIRE ALARM
- FAA FIRE ALARM ANNUNCIATOR
- FSD FIRE/SMOKE DAMPER
- GND GROUND
- K KEY OPERATED
- LOC LOCAL OPERATING CONSOLE
- MAX MAXIMUM
- MIN MINIMUM
- MNT MOUNTED
- MTR MOTOR
- NC NORMALLY CLOSED
- NEC NATIONAL ELECTRICAL CODE
- NO NORMALLY OPEN
- NTS NOT TO SCALE
- NP NAMEPLATE
- OC ON CENTER
- PKL PANEL
- +POS POSITIVE
- (R) RELOCATED
- REQD REQUIRED
- RNC RIGID NON-METALLIC CONDUIT (PVC)
- RSE REMOTE SIGNAL EXPANDER
- RST REMOTE STATION TRANSMITTER
- S.A.D. SEE ARCHITECTURAL DRAWINGS
- TYP TYPICAL
- UL UNDERWRITERS LAB
- UON UNLESS OTHERWISE NOTED
- UPS UNINTERRUPTIBLE POWER SUPPLY

FIRE ALARM DRAWING LIST

- FA0.1 FIRE ALARM COVER SHEET
- FA1.1 FIRE ALARM SITE PLAN
- FA2.1 FIRE ALARM PLAN, RISER DIAGRAM, EQUIPMENT LIST AND LEGEND
- FA2.2 FIRE ALARM VOLTAGE DROP AND BATTERY CALCULATION
- FA2.3 FIRE ALARM DETAILS

FIRE ALARM SYSTEM NOTES

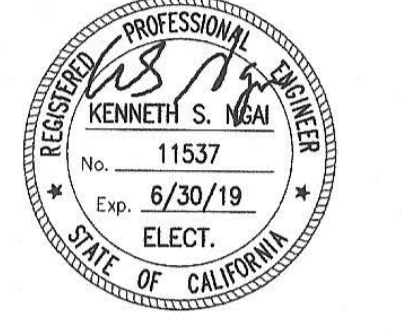
- 1. ALL WIRING SHALL BE IN CONDUIT, U.O.N. MINIMUM CONDUIT SIZE SHALL BE 3/4".
- 2. PROVIDE AND INSTALL ALL CONDUIT, BOXES, CONDUCTORS, POWER SUPPLY, RELAYS, ZONE MODULES, CARDS, SWITCHES ETC. FOR A COMPLETE AND OPERABLE FIRE ALARM SYSTEM.
- 3. ALL REQUIREMENT OF CONTRACT SPECIFICATIONS AND DRAWING APPLY.
- 4. INSTALLATION SHALL CONFORM TO REQUIREMENTS OF APPLICABLE ELECTRICAL CODES.
- 5. TEE-TAP INSIDE BUILDING IN JUNCTION BOX. USE TERMINAL BLOCKS.
- 6. FIRE ALARM FIELD WIRING SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- 7. 120VAC 60Hz INPUT POWER FOR FIRE ALARM CONTROLS SHALL BE A DEDICATED, LOCKING BREAKER PROPERLY LABELED "SOURCE FROM LINE OF MAIN DISCONNECT" OR "EMERGENCY POWER".
- 8. ALL WIRING INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
- 9. 120VAC IS NOT PERMITTED IN SAME CONDUIT WITH LOW VOLTAGE WIRING.
- 10. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY-TRAINED FIRE ALARM TECHNICAL REPRESENTATIVE.
- 11. THERE WILL BE NO CONDUIT ENTRY ALLOWED 18" OR LOWER ON THE SIDE PANELS OR THROUGH THE BOTTOM OF ALL CONTROL EQUIPMENT BACKBOXES.
- 12. ALL VISUAL ALARM IN EVERY ROOMS OR EXTERIOR WHERE OCCUR SHALL BE SYNCHRONIZED.
- 13. VISUAL DEVICE SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE THAT MEETS NFPA STROBE INTENSITY REQUIREMENTS WHICH VARIES WITH VIEWING CONDITIONS AND ROOM SIZES.
- 14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER-TIGHT FITTINGS AND WIRES TO BE APPROVED FOR WET LOCATIONS.
- 15. AUDIBLE DEVICE(S) TO BE AT LEAST 15DBA ABOVE THE EQUIVALENT SOUND LEVEL BUT NOT LESS THAN 75DBA AT 10' OR MORE THAN 110DBA AT THE MINIMUM HEARING DISTANCE.
- 16. AUDIBLE DEVICE SHALL SOUND THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL.
- 17. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.
- 18. FIRE ALARM CONTRACTOR SHALL PROVIDE A COMPLETED AND SIGNED "CERTIFICATE OF COMPLETION" AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS. (NFPA 72 SEC. 7.8.2 & 14.6.1).
- 19. PROVIDE TEMPORAL THREE DISTINCTIVE FIRE ALARM SOUND (CFC SEC. 907.5.2.1.3 NFPA 72 SEC. 18.4.2.1)
- 20. POWER SERVICE SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH RED MARKING AND IDENTIFIED PER NFPA SEC 10.6.5.2.2
- 21. WIRING AND MATERIALS SHALL BE PER CEC/NEC ART. 760.
- 22. A DOCUMENTATION CABINET SHALL BE INSTALLED PROXIMAL TO THE FACU. (NFPA 72, 7.7.2.1)
- 23. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENT CABINET. (NFPA 72, 7.7.2.2)
- 24. THE DOCUMENT CABINET SHALL BE PROMINENTLY LABELED SYSTEM RECORD DOCUMENT (NFPA 72, 7.7.2.4)

NFPA 72 REQUIREMENTS

- 1. POWER SERVICE SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING AND IDENTIFIED PER (NFPA 72 SEC. 10.6.5.2.2)
- 2. PROVIDE TEMPORAL- THREE DISTINCTIVE FIRE ALARM SOUND, (CFC SEC. 907.5.2.1.3, NFPA 72 SEC. 18.4.2.1).
- 3. AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS, (NFPA 72 SEC. 18.4.3.1). (IE. CLASSROOM AVERAGE AMBIENT ROOM NOISE IS 45 DBA PLUS 15 DBA EQUALS = 60 DBA MINIMUM ALARM TONE REQUIRED)
- 4. STROBES SHALL FLASH AT A RATE OF NOT EXCEEDING TWO FLASHES PER SECOND NOR BE LESS THAN ONE FLASH EVERY SECOND, (2013 NFPA 72 SEC. 18.5.3.1).
- 5. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF THE DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.
- 6. FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE INSPECTOR OF RECORD (IOR)/DSA AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS, (2013 NFPA 72 SEC. 7.8.2 AND FIGURE 7.8.2).



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Key Plan

Project Title

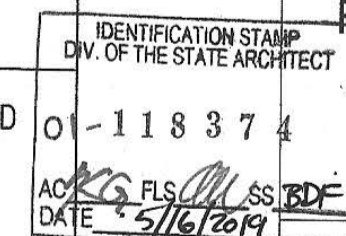
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	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

FIRE ALARM COVER SHEET



Regulatory Agency Approval

Architect Seal

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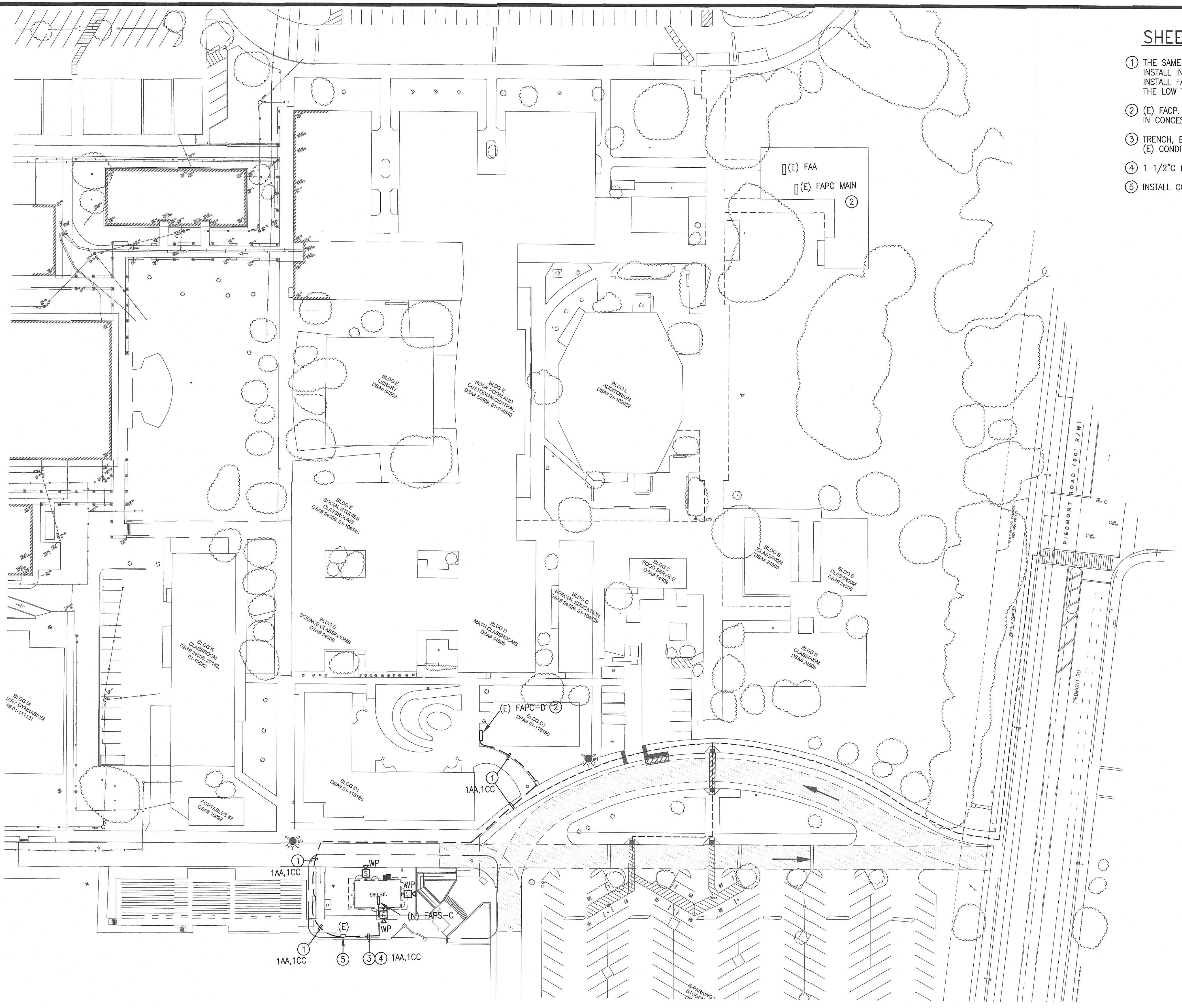
File Number
43-H10

Application Number
XX-XXXXXX

Project No.
135259



Drawing No
FA0.1



- SHEET NOTES:**
- ① THE SAME 2" CONDUIT AS SHOWN ON SHEET E1.1. INSTALL INNER DUCT (MAXCELL 2", 1 CELL) AND INSTALL FA WIRE AS INDICATED. COORDINATE WITH THE LOW VOLTAGE CONTRACTOR.
 - ② (E) FACP. REPROGRAM AFTER COMPLETION OF WORK IN CONCESSION BUILDING.
 - ③ TRENCH, BACKFILL, COMPACT AND PATCH TO MATCH (E) CONDITION.
 - ④ 1 1/2" (FIRE ALARM)
 - ⑤ INSTALL CONDUIT INTO (E) PULLBOX.

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4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-8888
Santa Clara, CA 95054 fax (408) 970-9316
PROJECT NO. 175-19-05 www.aec-engineers.com



Key Plan

Project Title

**PIEDMONT HILLS
CONCESSION BLDG.**
1377 Piedmont Rd,
San Jose, CA 95132
**EAST SIDE UNION
HIGH SCHOOL DISTRICT**

No	Revisions/Submissions	Date
	CONSTRUCTION DOCUMENTS	05/15/2019

Drawing Title

FIRE ALARM SITE PLAN

Regulatory Agency Approval

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

01-118374
AC: FLS SS BDF
DATE 5/16/2019

Architect Seal

LICENSED ARCHITECT
WILLIAM B. FORD
No. C-23919
REN. 9-30-19
STATE OF CALIFORNIA

File Number 43-H10	Drawing No FA1.1
Application Number XX-XXXXXX	
Project No. 135259	

1 FIRE ALARM SITE PLAN **5**
SCALE: 1" = 40'-0"

If this sheet is not 24" x 36" it is a reduced print - scale accordingly

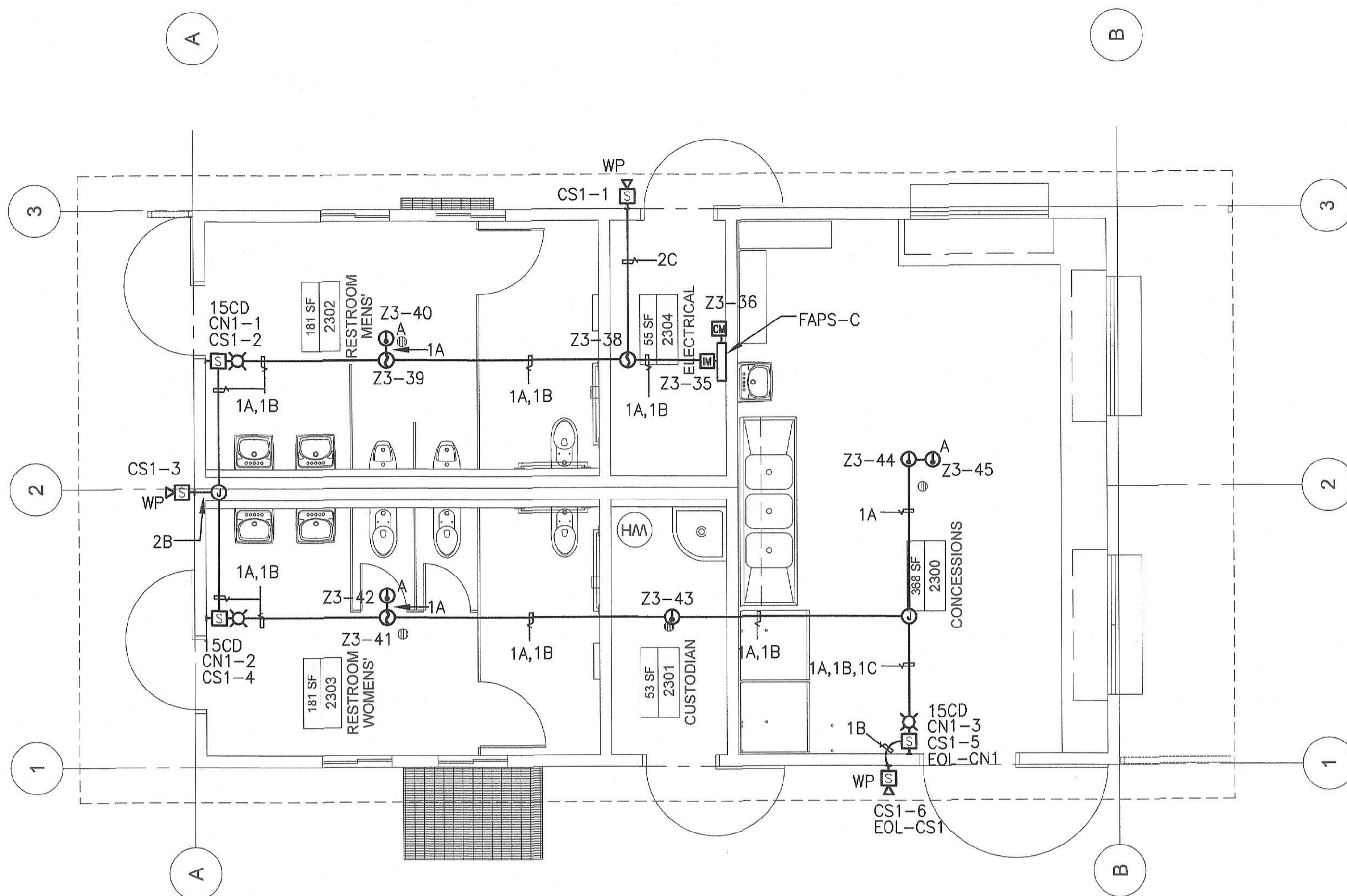
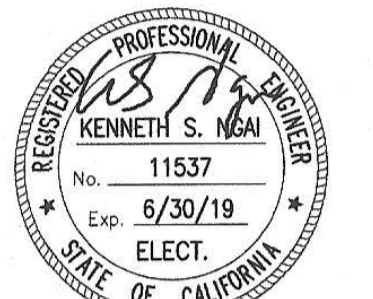
SHEET NOTES:

① ALL FIRE ALARM DEVICE ON THIS PLAN ARE (N) U.O.N.



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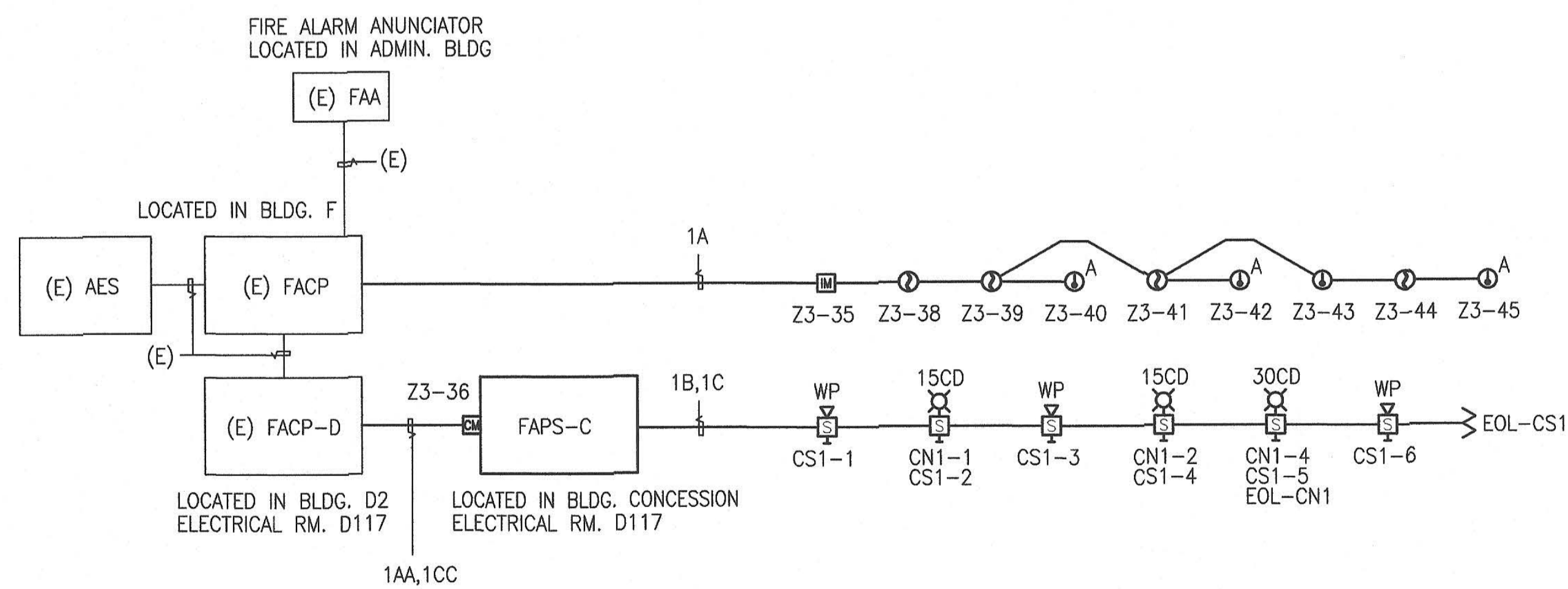
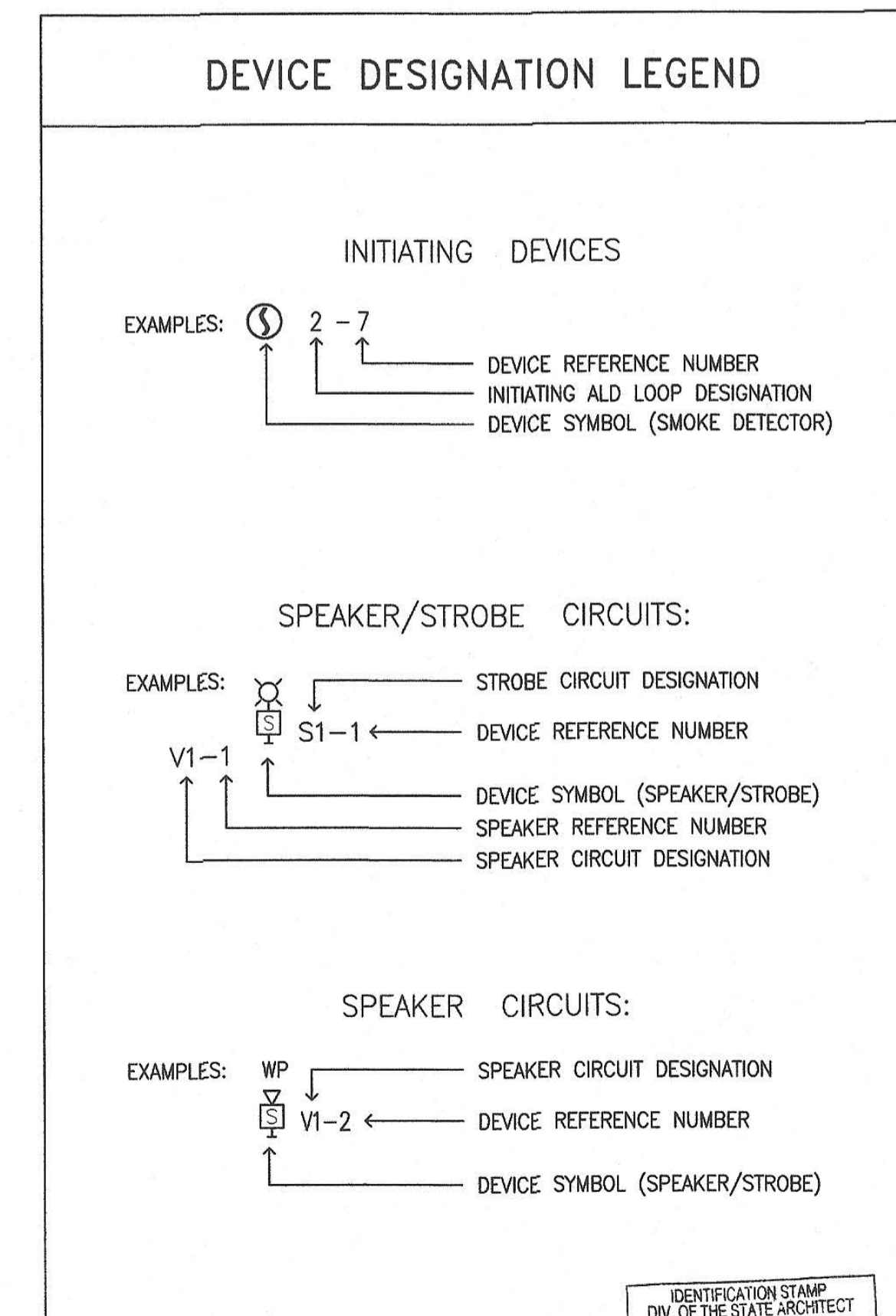
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PROJECT NO. 175-19-05 www.aec-engineers.com



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

FIRE ALARM EQUIPMENT LIST				
MANUFACTURER	MODEL	DESCRIPTION	CSFM NUMBER	
GAMEWELL-FCI	E3 SERIES	(E) FIRE ALARM CONTROL PANEL	7165-1703:0125	
GAMEWELL-FCI	INI-VGC	(E) COMMAND CENTER VOICE GATEWAY	7165-1703:0125	
GAMEWELL-FCI	AM-50-25	(E) REMOTE POWER SUPPLY 50 WATT AMPLIFIER	7165-1703:0125	
GAMEWELL-FCI	HPFF8	FIRE ALARM POWER SUPPLY	7315-1637:0102	
GAMEWELL-FCI	XP95-P	PHOTOELECTRIC SMOKE DETECTOR	7272-1703:0155	
GAMEWELL-FCI	XP95T	HEAT DETECTOR, RATE-OF-RISE	7270-1703:0156	
GAMEWELL-FCI	XP95T	HEAT DETECTOR HIGH TEMPERATURE 194°F FIX. ABOVE CEILING	7270-1703:0156	
GAMEWELL-FCI	XP95-B4	MOUNTING BASE	7300-1394:0114	
GAMEWELL	XP95-LI	ISOLATOR MODULE	7300-1703:0153	
GAMEWELL	RCE-95	CONTROL MODULE	7300-1703:0135	
SYSTEM SENSOR	SPSR	SPEAKER/STROBE SET AT 15CD/30CD/75CD/110CD (RED), WALL MOUNT (RED)	7320-1653:0201	
SYSTEM SENSOR	SPRK	WEATHERPROOF EXTERIOR SPEAKER	7320-1653:0201	
POWER SONIC	PS-1270	BATTERY 12V, 7AH		
POWER SONIC	PS-12550	BATTERY 12V, 55AH		
West Penn	D990	2 #16 AWG, TWISTED PAIR CABLE	7161-0859:0101	
West Penn	994S	2 #14 AWG, TWISTED PAIR CABLE	7161-0859:0101	
West Penn	296	2 #12 AWG, TWISTED PAIR CABLE	7161-0859:0101	
West Penn	AQ225	2 #16 AWG, TWISTED PAIR CABLE	7161-0859:0101	
West Penn	AQ226	2 #14 AWG, TWISTED PAIR CABLE	7161-0859:0101	
West Penn	AQ296	2 #12 AWG, TWISTED PAIR CABLE	7161-0859:0101	

FIRE ALARM WIRING LEGEND		
SYMBOL	WIRE TYPE	USED ON
A	2-CONDUCTOR, #16 AWG SOLID BARE COPPER UNSHIELDED (D990)	ADDRESSABLE ALARM INITIATING DEVICES: - SMOKE & HEAT DETECTORS - INTERFACE MODULES - PULL STATION
B	2-CONDUCTOR, #14 AWG FPL STRANDED (BLACK/RED) (994S)	AUDIO/VISUAL FROM RSB OR FACP INDICATING DEVICES: - (SYNC SPEAKER/STROBE CIRCUITS)
C	2-CONDUCTOR, #12 AWG FPL STRANDED (BLACK/RED) (296)	SPEAKER WIRE FROM AMPLIFIER
AA	2-CONDUCTOR, #16 AWG STRAND BARE COPPER, UNSHIELDED (AQ225)	ADDRESSABLE ALARM INITIATING DEVICES: (UNDERGROUND) - SMOKE & HEAT DETECTORS - INTERFACE MODULES - PULL STATION (UNDERGROUND)
BB	2-CONDUCTOR, #14 AWG FPL STRANDED (AQ226)	AUDIO/VISUAL FROM RSB OR FACP INDICATING DEVICES: - (SYNC HORN/STROBE CIRCUITS) (UNDERGROUND)
CC	2-CONDUCTOR, #12 AWG FPL SOLID (AQ296)	SPEAKER WIRES (UNDERGROUND) - OSP
W	2-CONDUCTOR, #12 AWG THHN SOLID (GROUNDED WIRE)	120 VAC POWER WIRING TO: - F.A. CONTROL PANEL - POWER SUPPLY PANEL



2 FIRE ALARM RISER DIAGRAM ①
NOT TO SCALE

Key Plan

Project Title

PIEDMONT HILLS CONCESSION BLDG.

1377 Piedmont Rd,
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EAST SIDE UNION HIGH SCHOOL DISTRICT

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Drawing Title

FIRE ALARM PLAN, RISER DIAGRAM, EQUIPMENT LIST AND LEGEND

Regulatory Agency Approval IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES XX-XXXXXX	Architect Seal LICENSED ARCHITECT WILLIAM E. BOUD No. C-23919 REN. 9-30-19 STATE OF CALIFORNIA
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MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENT PRESCRIBED IN THE 2016 CBC, SECTION 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER 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:

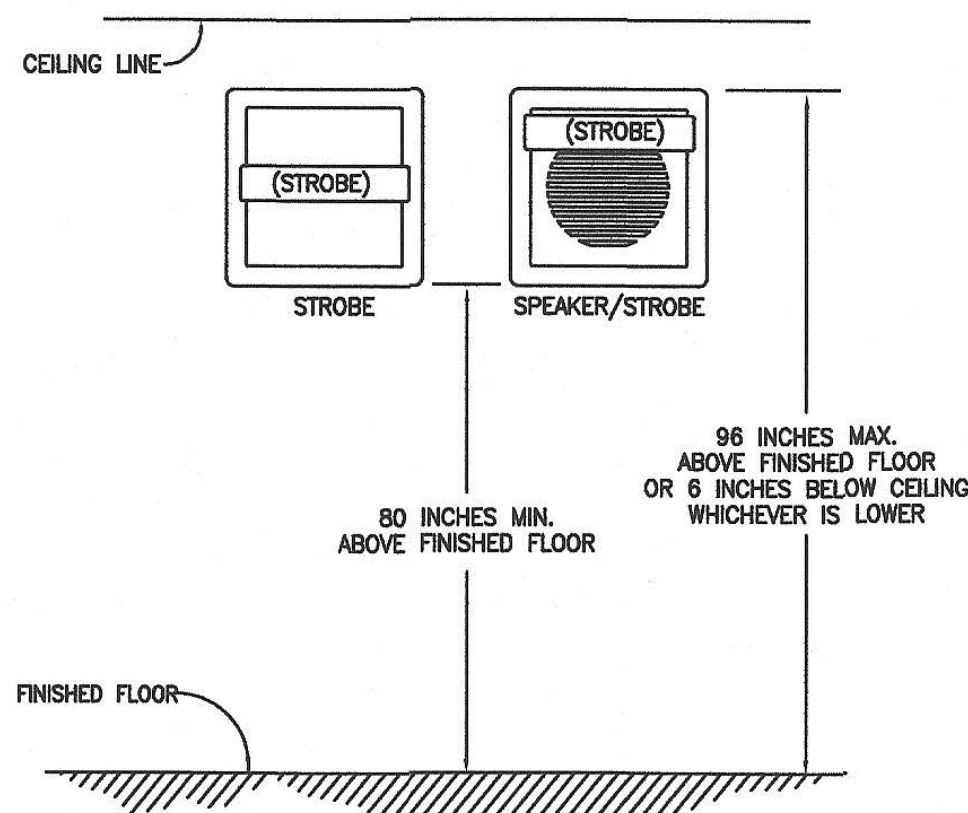
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENT PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.3.6, 13.6.7, 13.6.8 AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENT TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
 MP□MD□PP□E□
 OPTION 1: DETAILED ON THE APPROVED DWGS WITH PROJECT SPECIFIC NOTES AND DETAILS
 MP□MD□PP□E□
 OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM#): (I.E. OPM # 0043-13 MASON INDUSTRIES INC., AND OPM # 0203-13 M.W. SAUSSE & CO. INC.)

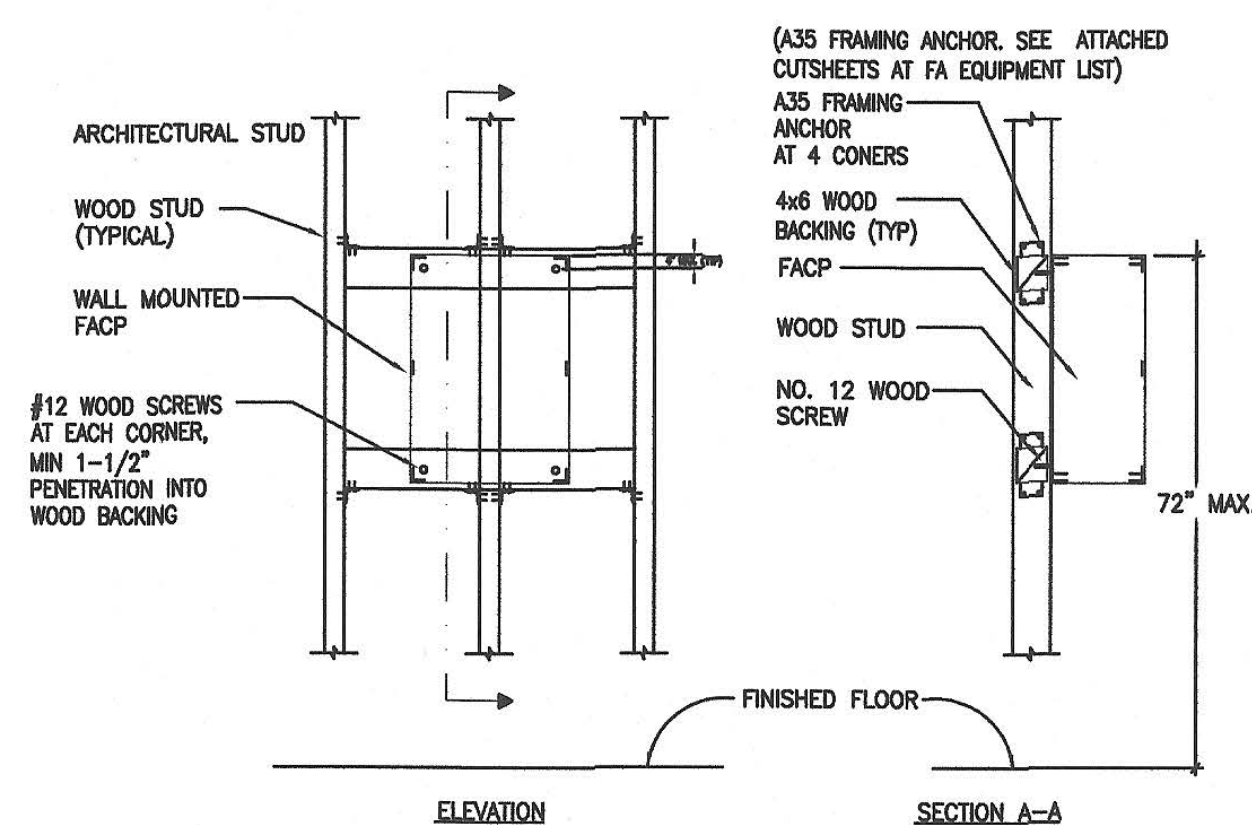
MP□MD□PP□E□
 OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL AND CONNECTION CONNECTION LEVEL FOR THE PROJECT AND CONDITIONS.

MISCELLANEOUS DETAILS



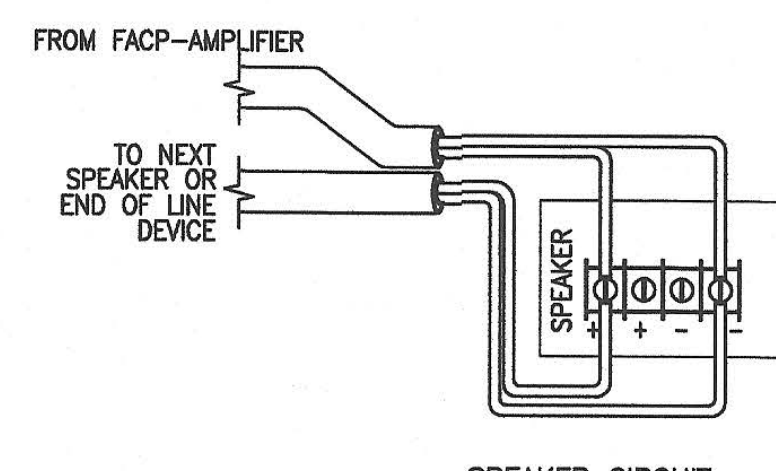
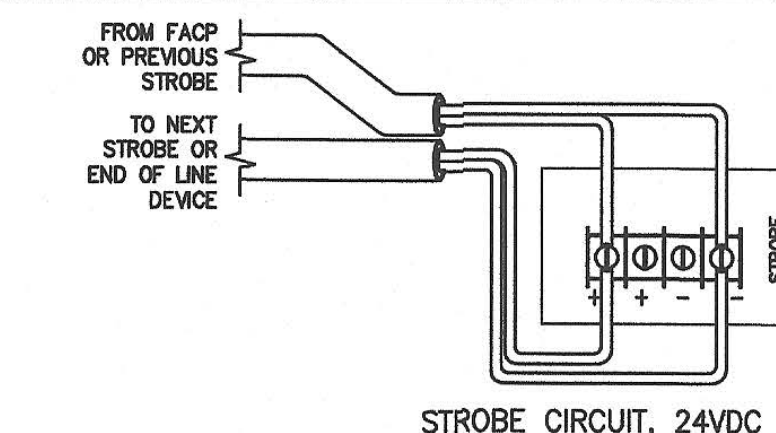
TYPICAL MOUNTING ELEVATION
OF STROBE & SPEAKER/STROBE

**TYPICAL MOUNTING ELEVATION
DETAILS OF STROBE & SPEAKER STROBE**



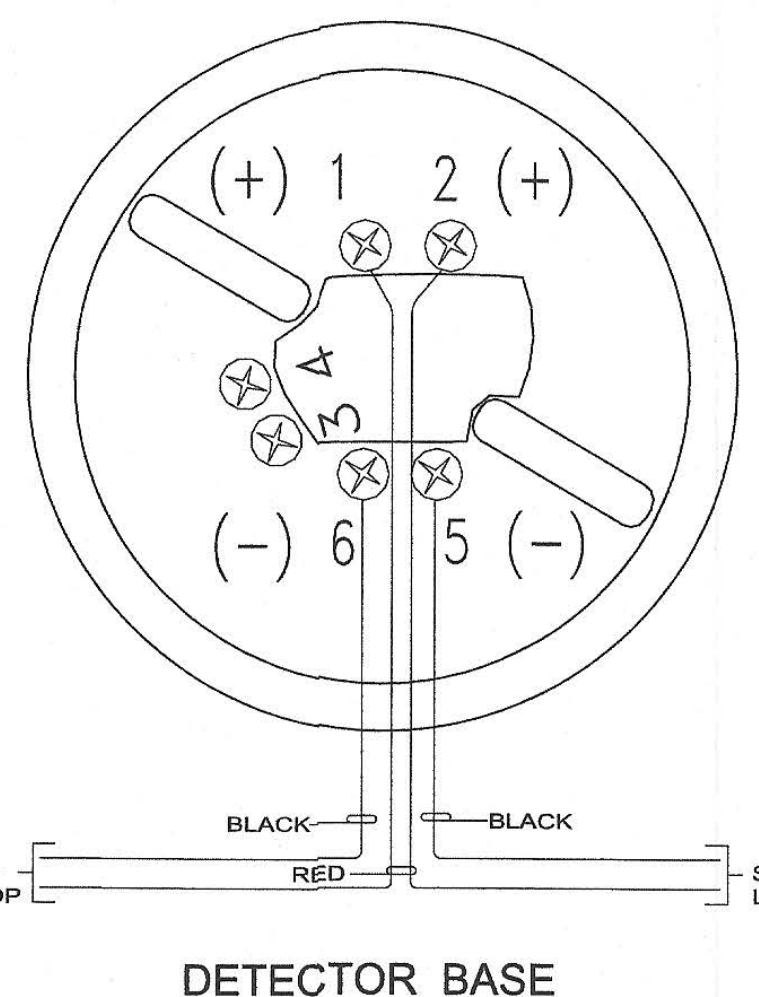
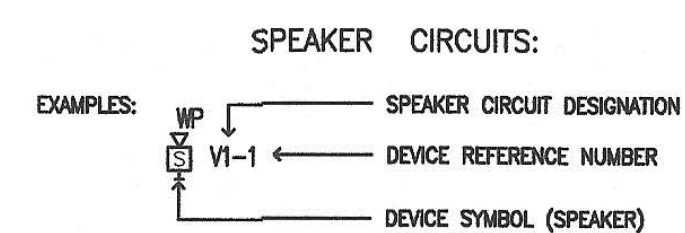
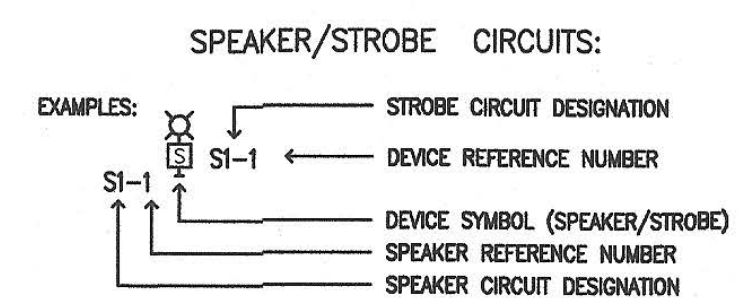
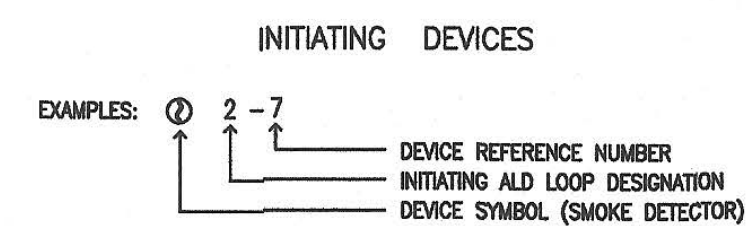
TYPICAL MOUNTING OF EQUIPMENT
WEIGHING OVER 20 LBS.
(120 LBS MAXIMUM)
FACP MOUNTING DETAIL

SPEAKER/STROBE, STROBE & SPEAKER DETAILS

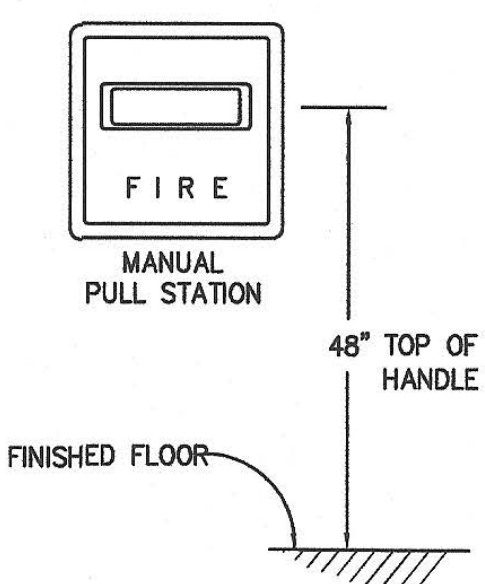


NOTE:
1. STROBE CIRCUIT COMING FROM THE NAC USE: 24K, 1/2 WATT END OF LINE DEVICE.

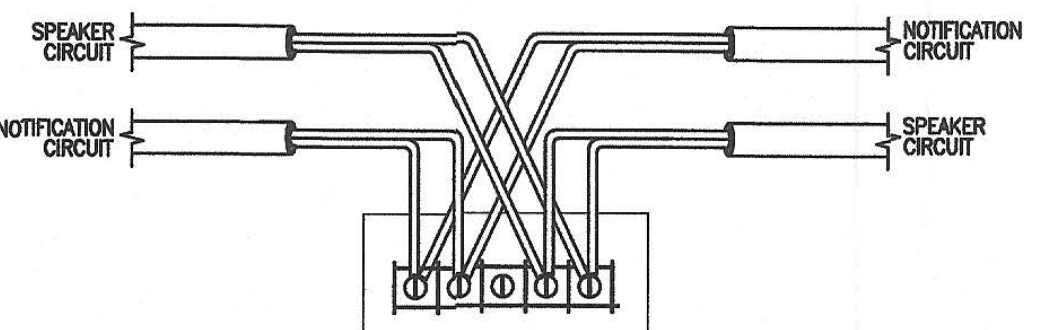
DEVICE DESIGNATION LEGEND



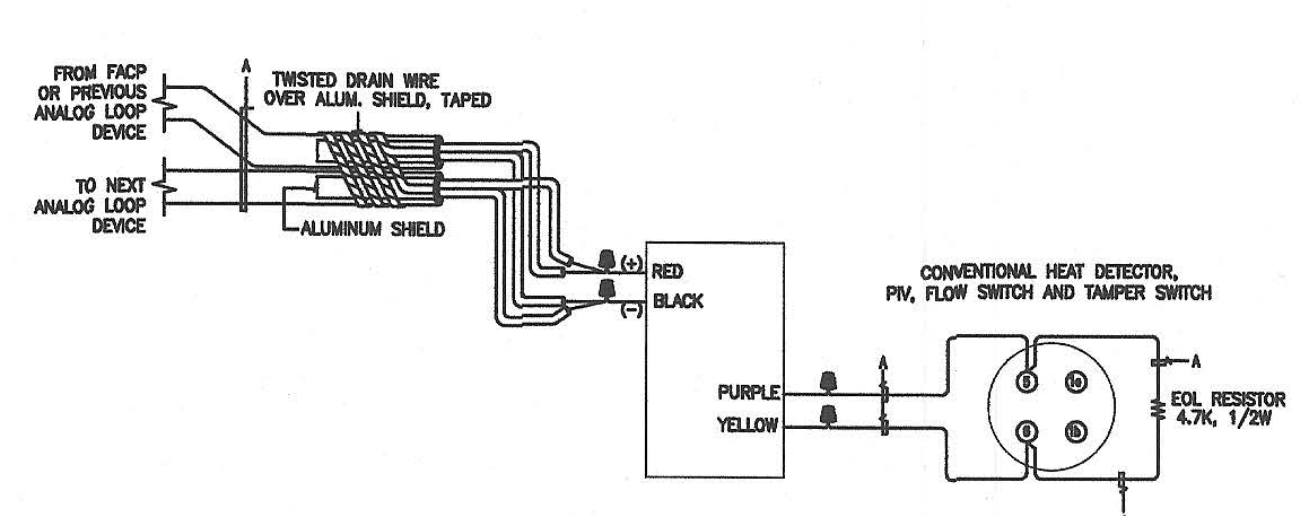
DETECTOR BASE



**MANUAL PULL STATION
ELEVATION**



SPEAKER/STROBE CIRCUIT, 24 VDC



MONITOR MODULE, SINGLE INPUT



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 Santa Clara, CA 95054 fax (408) 970-0316
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Key Plan

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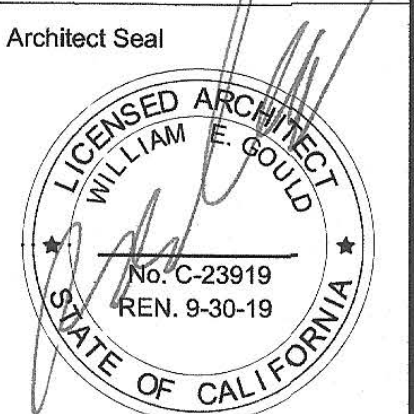
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No	Revisions/Submissions	Date
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Drawing Title

FIRE ALARM DETAILS

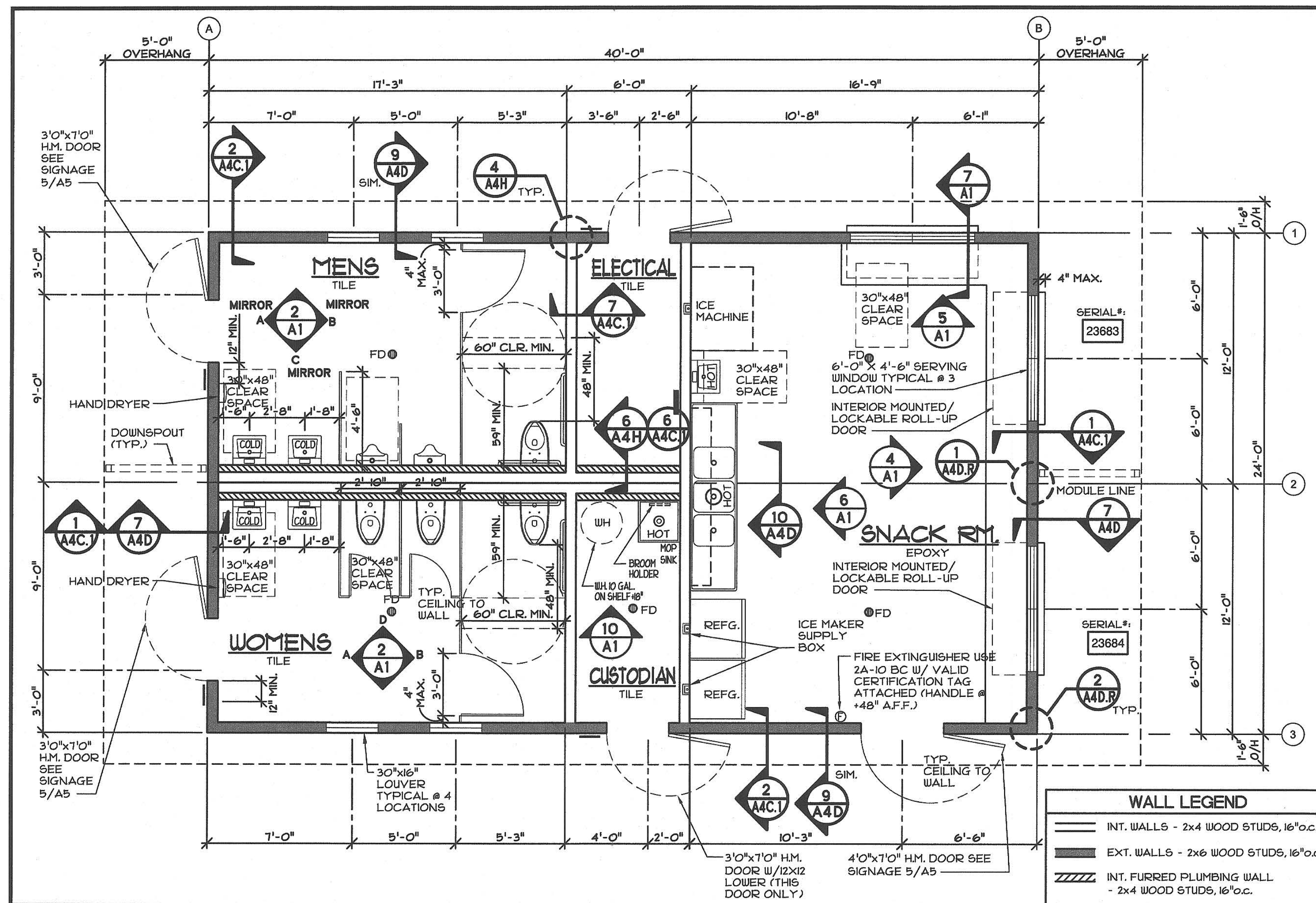
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 AC _____ FLS _____ SS _____
 DATE _____



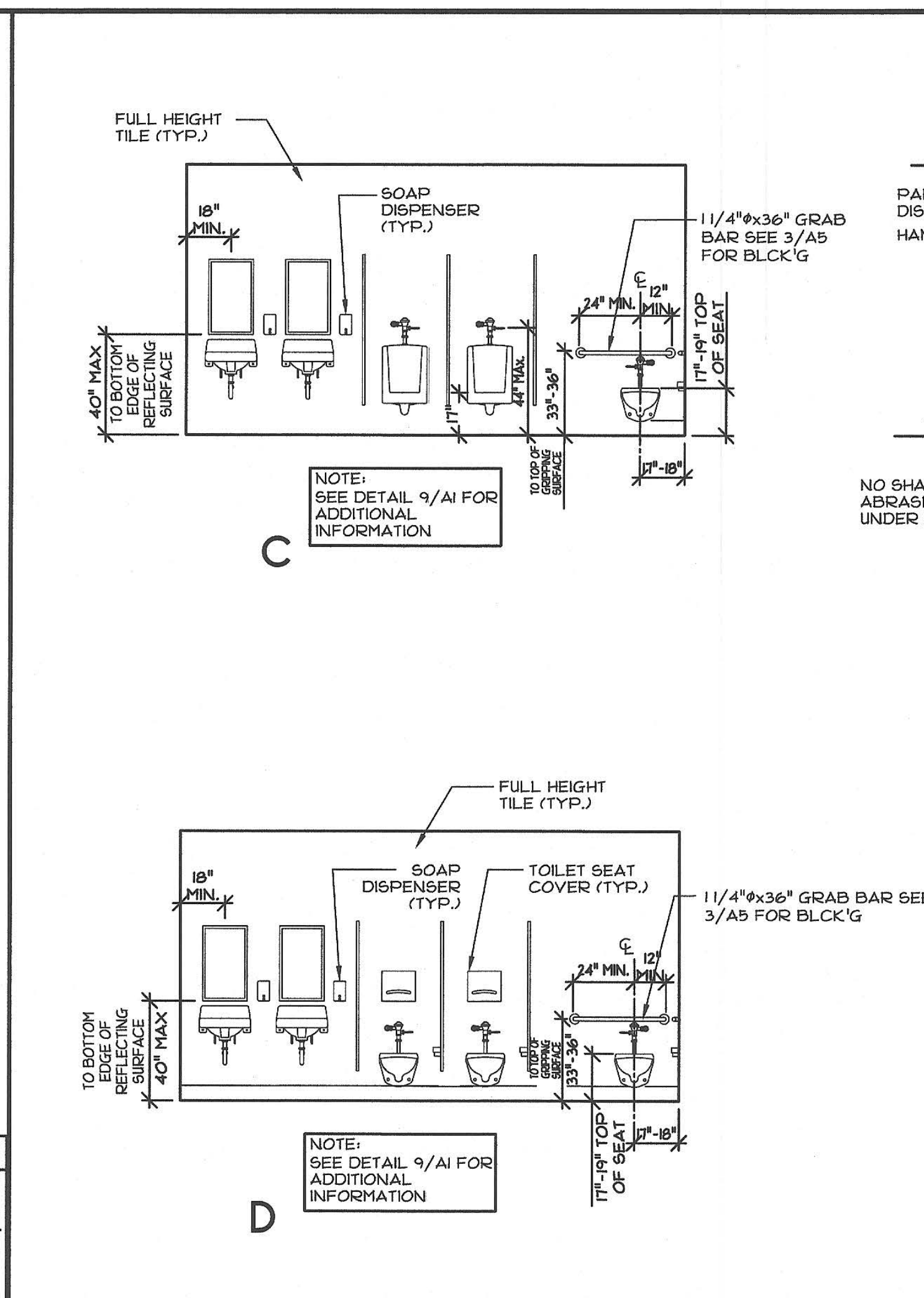
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 Application Number
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 Project No.
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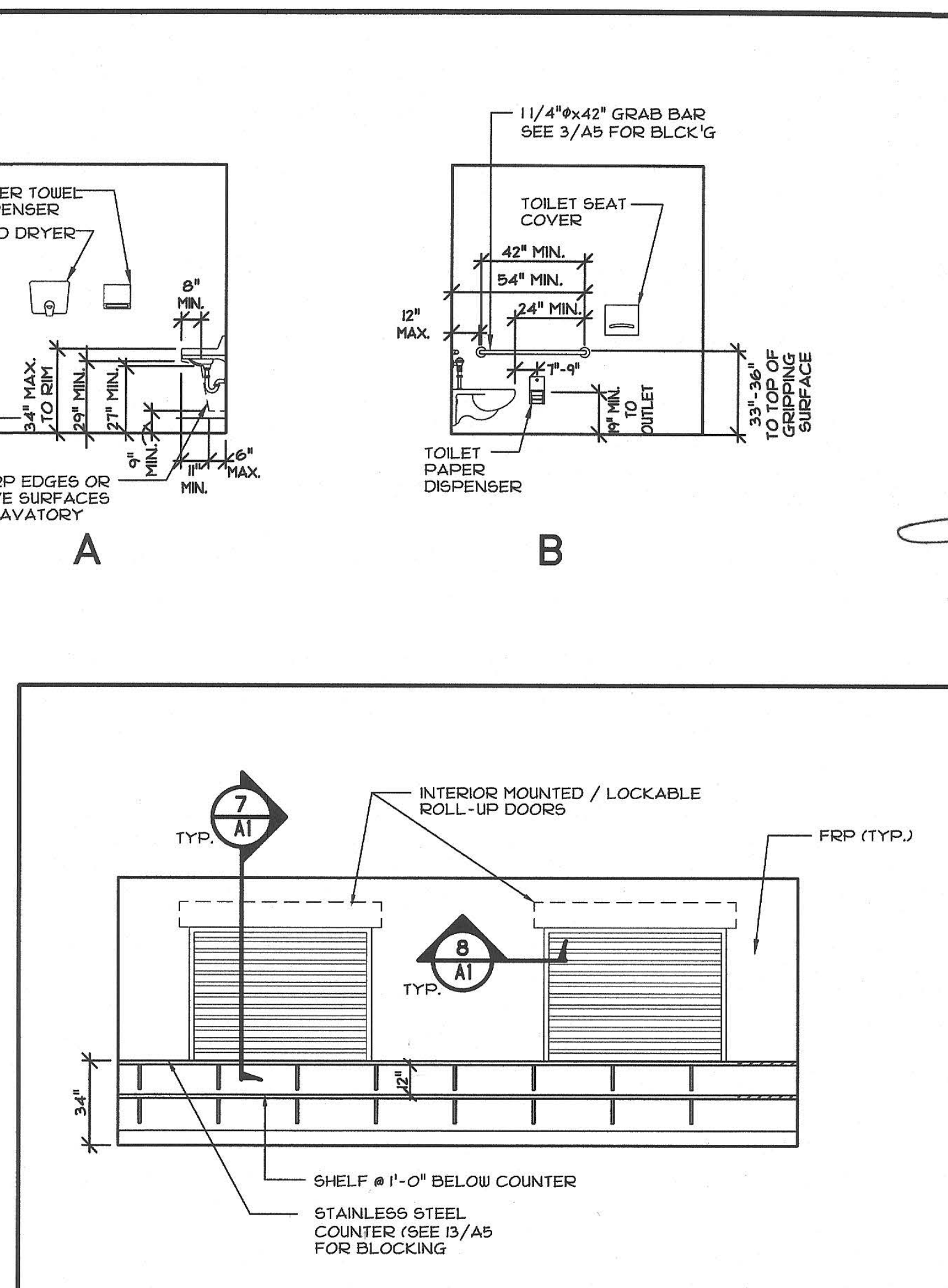
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 AC 26 FLS 11 SS BDC
 DATE 5/16/2019



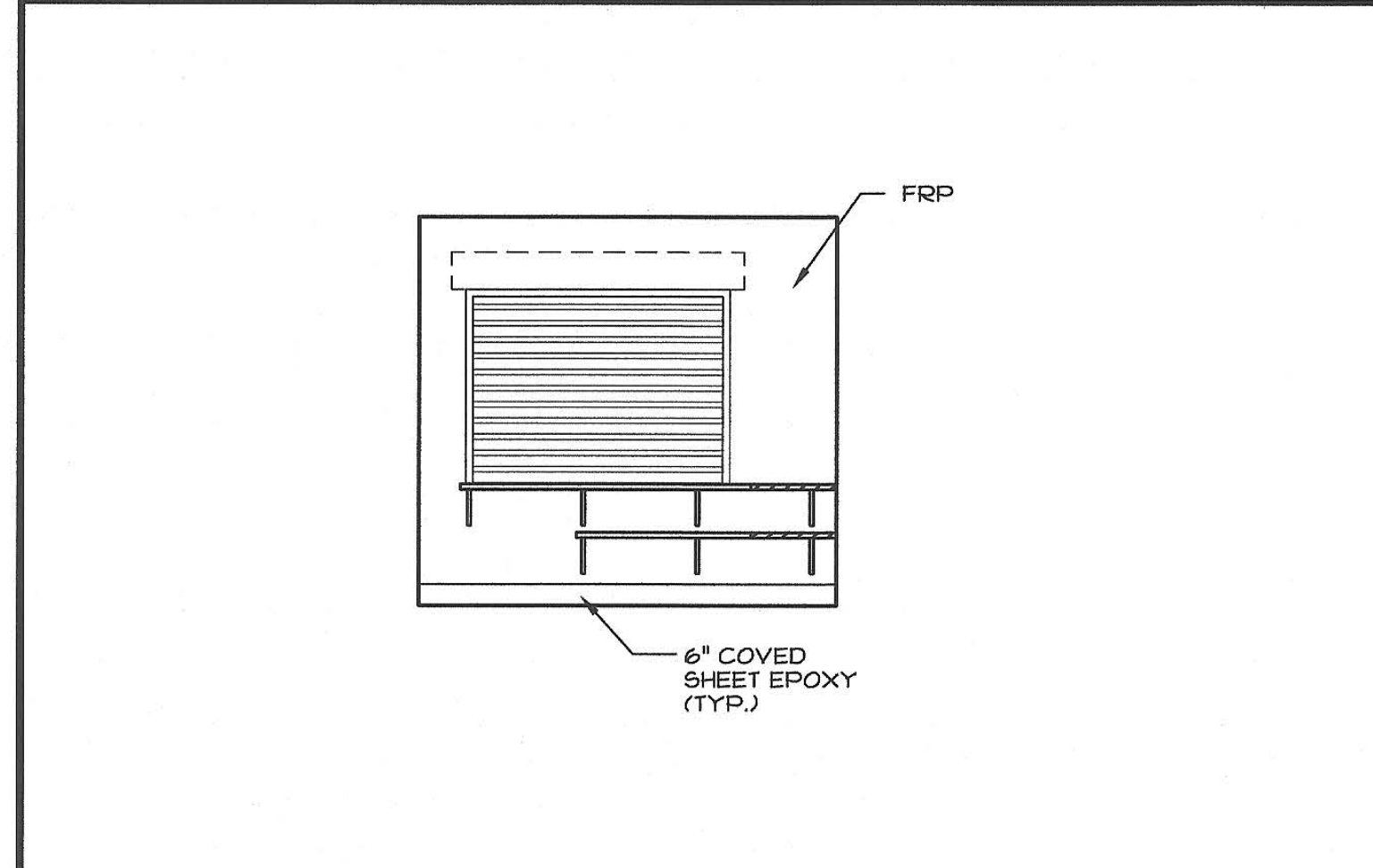
FLOOR PLAN
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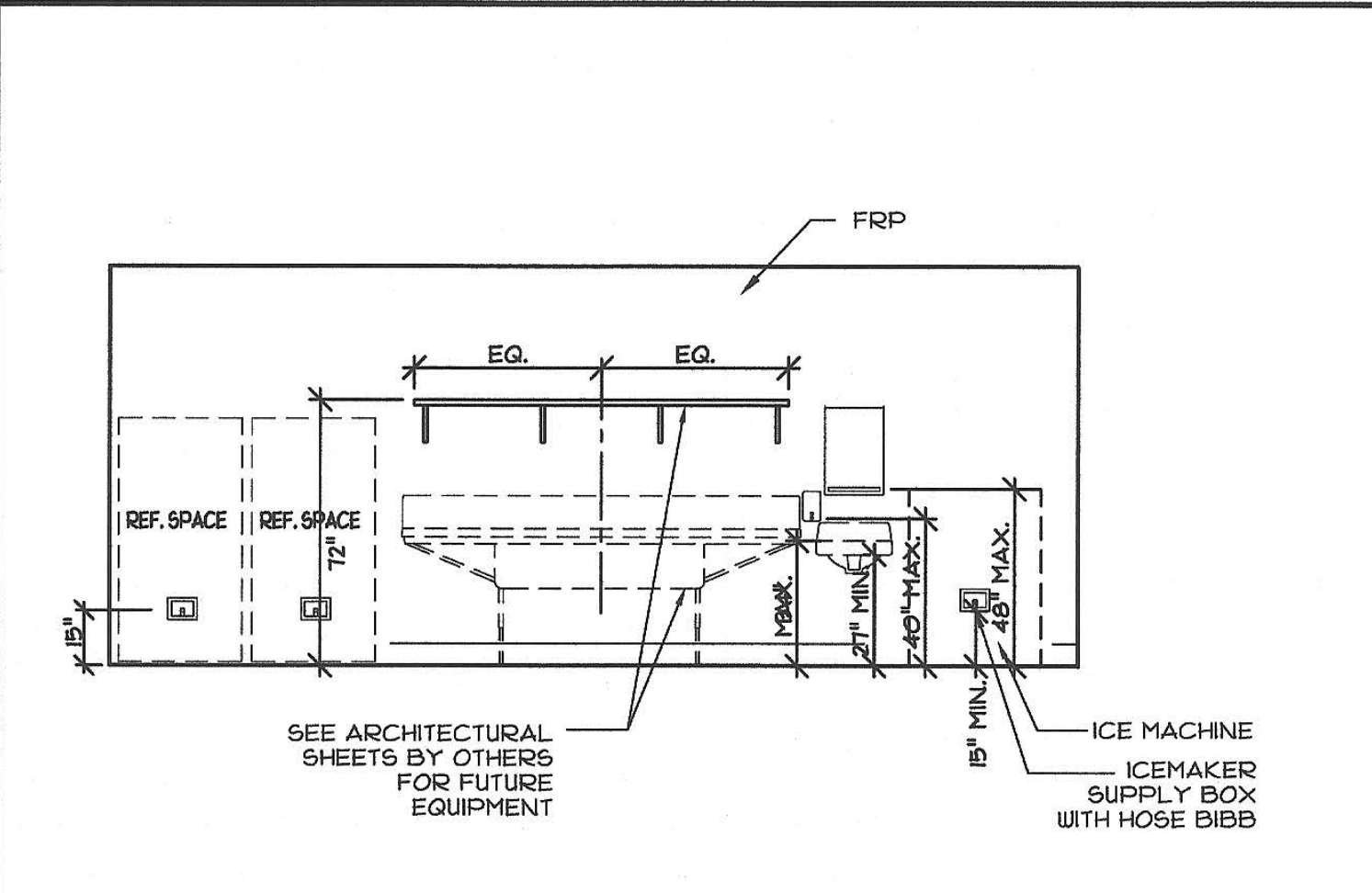
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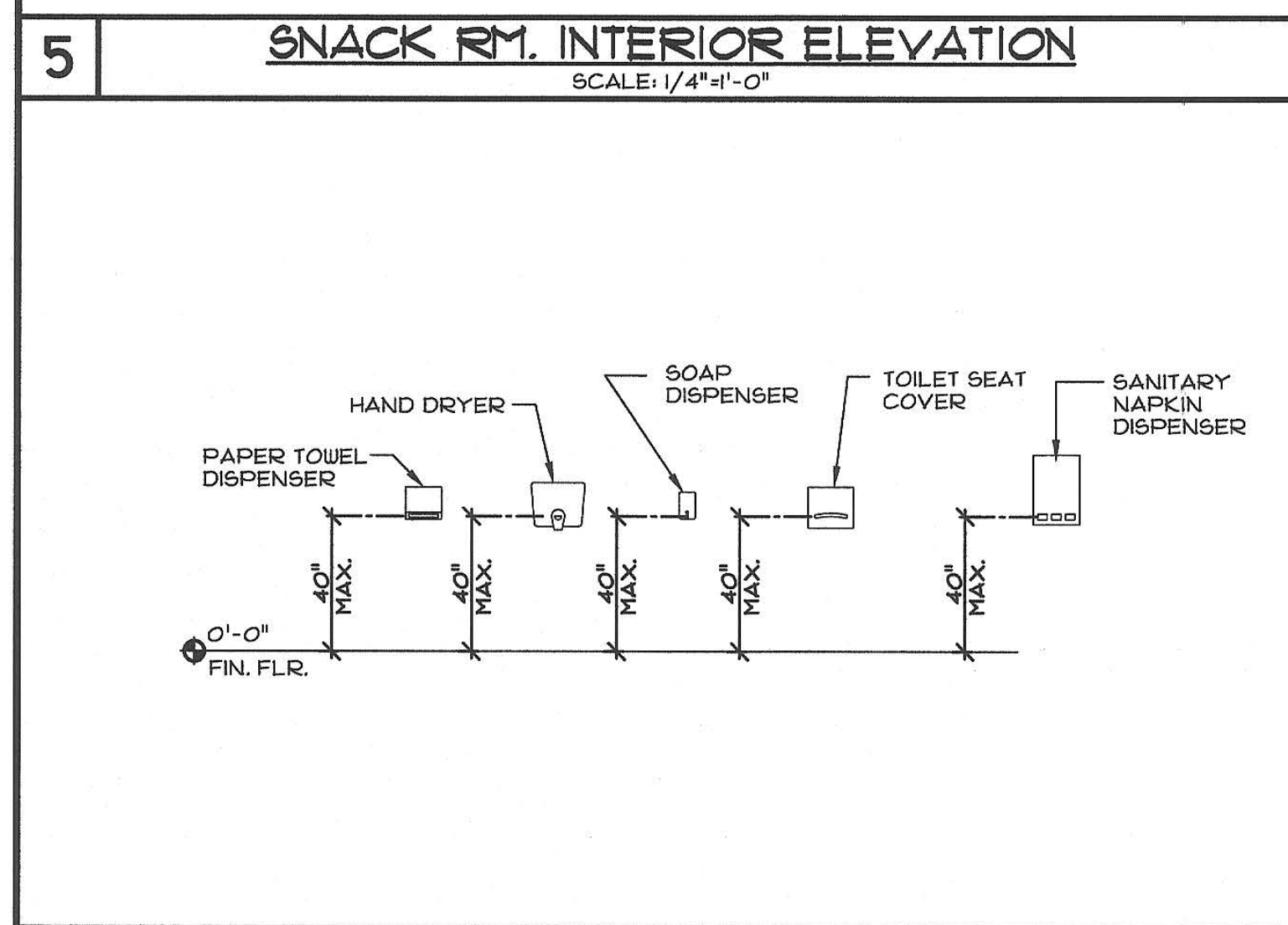
SNACK RM. INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



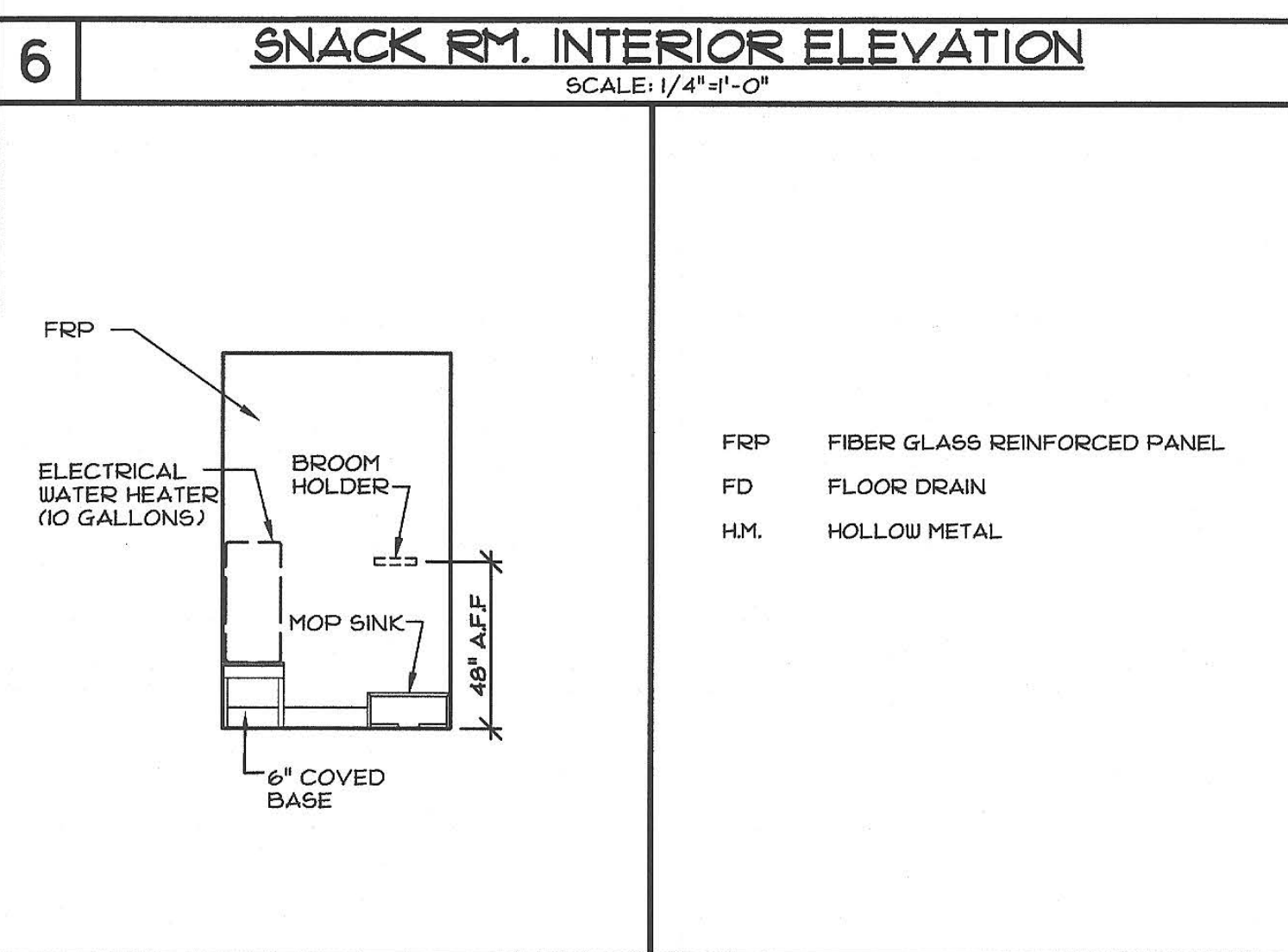
SNACK RM. INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



SNACK RM. INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



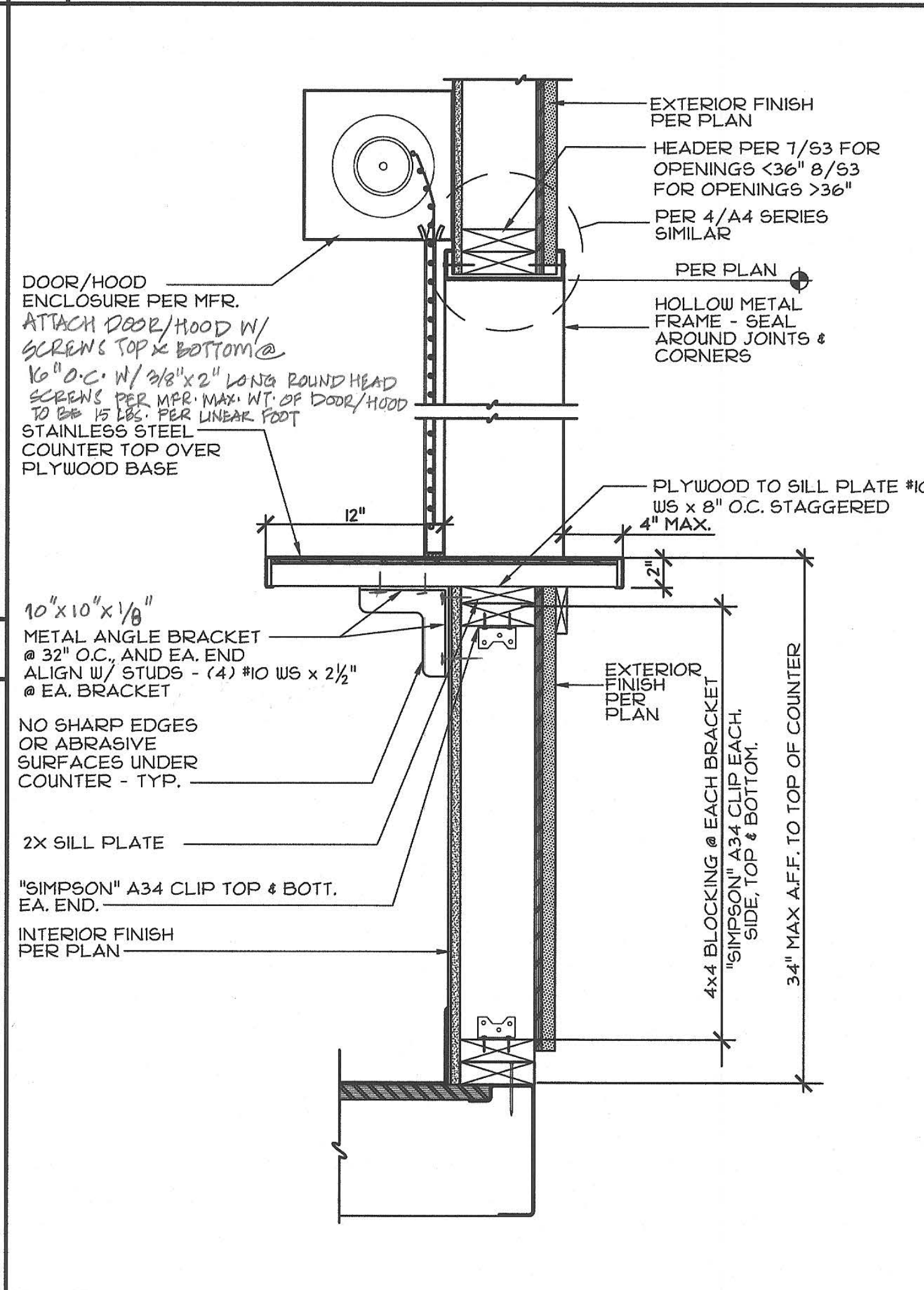
TYPICAL ACCESSIBLE MOUNTING HEIGHTS
SCALE: 1/4"=1'-0"



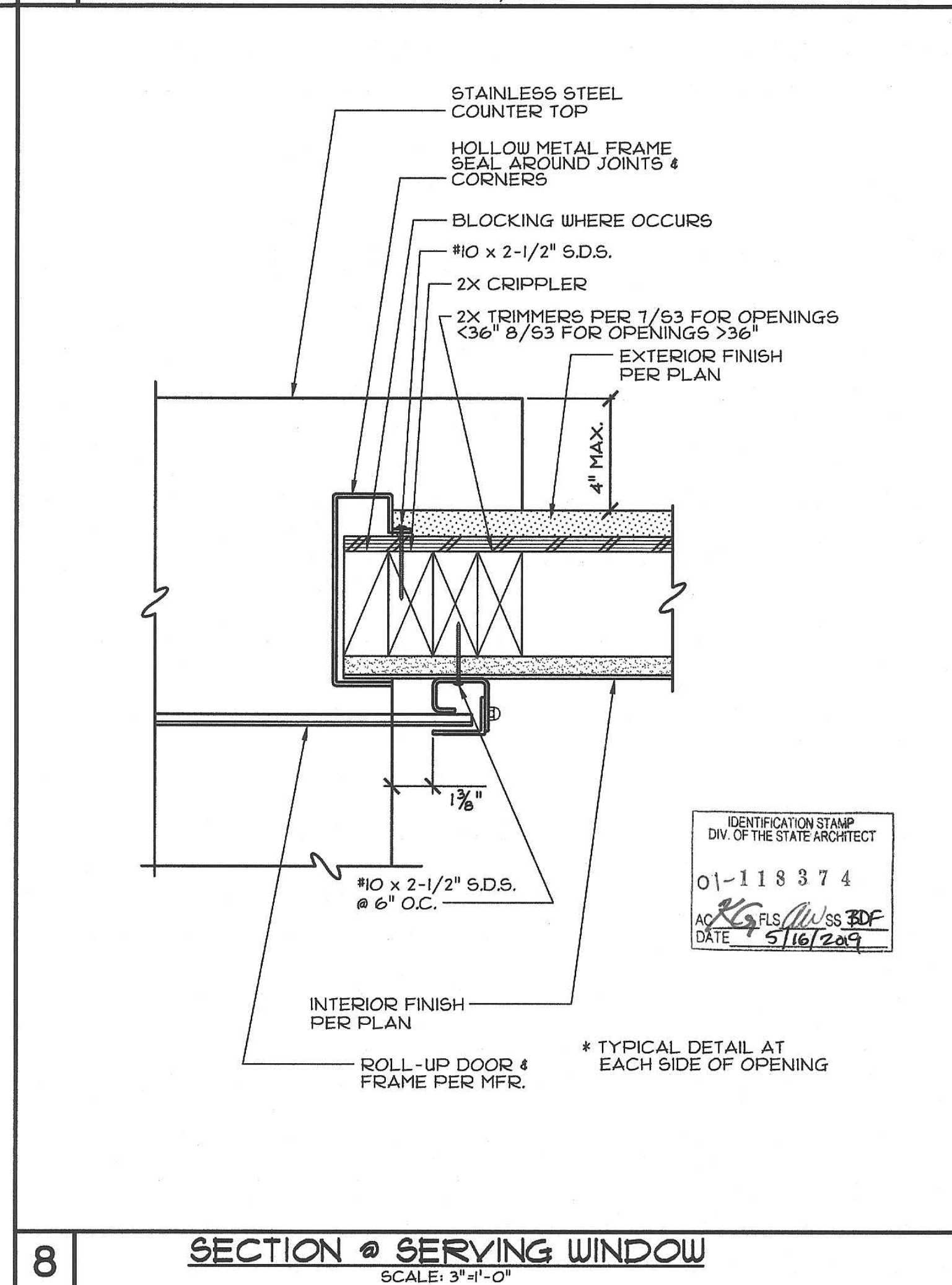
INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

ABBREVIATIONS

- FRP FIBER GLASS REINFORCED PANEL
- FD FLOOR DRAIN
- HM. HOLLOW METAL



SECTION @ SERVING WINDOW
SCALE: 1/2"=1'-0"



SECTION @ SERVING WINDOW
SCALE: 3/8"=1'-0"

9

10

7

8

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STRUCTURAL ENGINEERS, INC.
2005-13-2019
REGISTERED PROFESSIONAL ENGINEER
No. 82030
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ENVIROPLEX, INC.
NEW RELOCATABLE BUILDING AT
PIEDMONT HILLS HIGH SCHOOL
EAST SIDE UNION HIGH SCHOOL DISTRICT
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 468-8000

FLOOR PLAN, INTERIOR ELEVATIONS, & DETAILS

REV / DATE: BY:

JOB No.: 19-000
DRAWN BY: RS
DATE: 05/10/19

A1

FINISHES:

- 1. CARPETS - ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-21K-01, GROUP 1, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON, INSTALLED WITH MINIMAL CROSS SEAMS. COLOR TO BE SELECTED BY OWNER. CARPET SYSTEMS SHALL COMPLY WITH 2016 CAL GREEN BUILDING STANDARDS CODE, SEC 5.504.4.4. CARPET CUSHION SHALL COMPLY WITH 2016 CAL GREEN BUILDING STANDARDS CODE, SEC 5.504.4.1. CARPET ADHESIVES SHALL COMPLY WITH 2016 CAL GREEN BUILDING STANDARDS CODE, SEC 5.504.4.2. 1.1 RESILIENT BASE COVE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE. SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL. ADHESIVE SHALL COMPLY WITH 2016 CAL GREEN BUILDING STANDARDS CODE, SEC 5.504.4.1. 2. COMMERCIAL SHEET VINYL / RESILIENT FLOORING - ARMSTRONG CORLON OR EQUAL. FLOORING SHALL BE SLIP RESISTANT. (0.5 MIN. COEFFICIENT OF FRICTION PER ASTM D-2047). 80% OF NON-ABSORBENT FLOORING SHALL COMPLY WITH 2016 CAL GREEN BUILDING STANDARDS CODE, SECTION 5.504.4.6. APPLICATION AND MAINTENANCE OF POLISHED-COATED FLOOR SURFACES IS BY OWNER. WALL BASE - 6" SELF COVED SHEET VINYL (SAME AS NOTE 1.1 ABOVE) 3. 1/2" VINYL WRAPPED TACKBOARD OVER 1/2" GYPSUM WALL BOARD. TACKBOARD FLAME SPREAD 65, SMOKE DENSITY 135. 4. FIBERGLASS REINFORCED POLYETHYLENE (FRP) PANELS OVER 1/2" GYPSUM WALL BOARD (OVER WATER RESISTANT GWB AT PLUMBING AND WET WALLS ONLY) FRP FLAME SPREAD 25, SMOKE DENSITY 180. 5. ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS. ADHESIVES SHALL COMPLY WITH 2016 CGBSC, SECTION 5.504.4.1. 6. SEALANTS - ROOF & MODULE LINE - POLYURETHANE SIDING & TRIM - ACRYLIC LATEX SEALANTS SHALL COMPLY WITH 2016 CGBSC, SECTION 5.504.4.1. 7. PAINT - EXTERIOR WOOD PRIMER.....ACRYLIC UNDERCOAT FINISH.....ACRYLIC LATEX METALS PRIMER.....RED OXIDE ALKYD FINISH.....ACRYLIC LATEX PAINTS AND COATINGS SHALL COMPLY WITH 2016 CGBSC, SECTION 5.504.4.3. 8. EXTERIOR SIDING - 8" o.c. GROOVED M.D.F., LAP SIDING, OR STUCCO PATTERN FACED EXTERIOR HARDBOARD SIDING. (MINIMUM NET THICKNESS 3/8"). COMPOSITE WOOD PRODUCTS SHALL COMPLY WITH 2016 CAL GREEN BUILDING STANDARDS CODE, SECTION 5.504.4.5. 9. JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT INFILTRATION AND EXFILTRATION. SEALANT PAINTED TO MATCH FINISHES. 10. ENVIRONMENTAL QUALITY: ALL ADHESIVES, SEALANTS, CAULKS, PAINTS, COATINGS, CARPET SYSTEMS, CARPET CUSHIONS, COMPOSITE WOOD PRODUCTS, AND RESILIENT FLOORING SYSTEMS SHALL COMPLY WITH 2016 CAL GREEN BUILDING STANDARDS CODE, REFERENCE TABLES 5.504.4.1, 5.504.4.2, 5.504.4.3, AND 5.504.4.5.

DOORS:

- 1. HOLLOW METAL DOORS AND FRAMES- SIZES NOTED ON PLAN, 1 3/4" THICK 18 GA. FULL FLUSH DOOR IN 18 GA. METAL FRAME EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT. 2. CLOSERS FOR INTERIOR AND EXTERIOR DOORS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS. MAX. CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. 3. DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE. 4. DOOR HANDLES & PULLS SHALL BE PLACED ON BOTH SIDES; LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE AND SHALL BE 34" MINIMUM AND 44 INCHES MAXIMUM ABOVE FINISHED FLOOR. 5. DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE. 6. HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE FINISHED FLOOR. - ALL DOORS TO CLASSROOMS, AND ANY ROOM WITH AN OCCUPANT LOAD OF 5 OR MORE PERSONS, SHALL BE EQUIPPED WITH 'A8211' COMPLIANT HARDWARE. 7. CLASSROOM EXTERIOR DOOR HARDWARE: LOCKSET (LEVER MODEL): SCHLAGE NDS0PD RHO (OR EQUAL) (TYP. UNLESS OTHERWISE NOTED) LOCKSET (PANIC DEVICE): VON DUPRIN CD99NL (OR EQUAL) (ONLY WHERE SPECIFIED ON PLANS) EXTERIOR HINGES: HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL INTERIOR HINGES: HAGER 1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL CLOSER: NORTON 8501BF OR EQUAL THRESHOLD: PEMKO 271A OR EQUAL DOOR BOTTOM: PEMKO 216AV OR EQUAL WEATHERSTRIP: PEMKO 298AV OR EQUAL 8. RESTROOM EXTERIOR DOOR HARDWARE: LOCKSET: SCHLAGE D70PD940 OR EQUAL HINGES: HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL CLOSER: NORTON 8501BF OR EQUAL THRESHOLD: PEMKO 271A OR EQUAL DOOR BOTTOM: PEMKO 216AV OR EQUAL WEATHERSTRIP: PEMKO 308A OR EQUAL

WINDOWS:

- 1. WINDOWS: FOR ALL CLIMATE ZONES - DOUBLE PANE, CLEAR, ALUM. FRAME W/NFRC RATED U-VALUE = 0.65 MIN. / SHGC = 0.30 MIN. / VT = 0.50 MIN. IS REQUIRED (VINYL FRAME WINDOWS MAY BE USED AS LONG AS MINIMUM U-VALUE, SHGC, AND VT NOTED ABOVE ARE MET) A MINIMUM OF (1) OPERABLE WINDOW IN EACH ROOM OR SPACE SHALL COMPLY WITH SECTION 11B-309 11B-309 Operable Parts 11B-309.1 General. Operable parts shall comply with Section 11B-309 11B-309.2 Clear floor space. A clear floor or ground space complying with Section 11B-305 shall be provided. 11B-309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 11B-308 11B-309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.

PLUMBING:

- 1. PLUMBING FIXTURE SCHEDULE: WATER CLOSET (WALL MOUNT): KOHLER "KINGSTON" (1.28 G.P.F.) K-4325 OR EQUAL W/ SLOAN ROYAL 111-1.28 FLUSH VALVE (1.28 G.P.F.) OR EQ. WATER CLOSET (FLOOR MOUNT): KOHLER "HIGHCLIFF ULTRA" (1.28 G.P.F.) K-96058-SSL OR EQUAL W/ SLOAN ROYAL 111-1.28 FLUSH VALVE (1.28 G.P.F.) OR EQ. SEAT: BEMIS 1955-SSC (O.F.L.C.) OR EQUAL URINALS: KOHLER "DEXTER" K-5452-ET (0.125 G.P.F.) OR EQUAL W/ SLOAN MODEL 186-0.125 FLUSH VALVE (0.125 G.P.F.) OR EQ. LAVATORIES: KOHLER "KINGSTON" K-2005 20" x 18" OR EQUAL FAUCET: T & S BRASS, B-2711-F05 (0.5 GPM) OR EQUAL OPTIONAL WATER HEATER: "AO SMITH", PEC-30, 30 GAL, ELECTRIC, 15,359 INPUT RATE, (OR EQUAL) EXPOSED HOT WATER PIPES SHALL BE INSULATED. 1" THICK INSULATION FOR PIPE 1" DIA OR LESS. 1 1/2" THICK INSULATION FOR PIPE GREATER THAN 1" DIA. COLD WATER PIPING: TYPE L COPPER DRAIN, WASTE & VENT: ABS AND PVC PIPES, STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION PER TITLE 24, PART 5, CALIFORNIA CODE OF REGULATIONS, CHAPTER 4, SEC. 401 (A) 2. ALL PLUMBING FIXTURES AND ACCESSORIES TO BE INSTALLED IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS. (PER SECTION C.B.C. 11B DIVISION 6) FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE BY ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. 3. ALL TOILETS: FLOOR MOUNTED, OR WALL MOUNTED W/ HAND OPERATED FLUSH VALVE LOCATED 44 INCHES MAX. ABOVE FLOOR. WHEELCHAIR ACCESSIBLE TOILETS SHALL HAVE THE FLUSH VALVE ACTIVATOR ON THE OPEN SIDE. 4. RESTROOM PRIVACY PARTITIONS: DOORS HANDLES FOR ENAMELED STEEL PARTITIONS SHALL BE PLACED ON BOTH SIDES NEAR THE LATCH. SHALL PROVIDE A CLEAR WIDTH OF 34" FOR WHEELCHAIR ACCESSIBLE STALLS AND 34" WIDE FOR STANDARD STALLS. DOORS FOR ACCESSIBLE TOILETS SHALL BE SELF CLOSING, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE AND SHALL BE 34" MINIMUM AND 44 INCHES MAXIMUM ABOVE FINISHED FLOOR. (TOILET PARTITIONS MATERIALS PER 2016 CBC 603.1.1 - MIN. CLASS 2 RATING) 5. RESTROOM DOOR SIGNAGE: THE DOOR LEADING INTO BOY'S FACILITY SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. THE DOOR LEADING INTO GIRL'S FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER. UNISEX FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER WITH A 1/4" THICK TRIANGLE WITH THE VERTEX POINTING UPWARD SUPERIMPOSED ON THE CIRCLE & WITHIN THE 12" DIAMETER. THE GEOMETRIC SYMBOLS SHALL BE MOUNTED ON THE DOOR AT A HEIGHT PER DETAIL 5 SHEET AS AND THEIR COLOR AND CONTRAST SHALL MEET THE IDENTIFICATION SIGNAGE FINISH REQUIREMENTS OF DETAIL 10 SHEET AS

ROOFING

- 1. METAL ROOF: PREFINISHED, UNPENETRATED INTERLOCKING, 28 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECH. CRIMPED STANDING SEAMS OVER SEAL-TITE #15 UNDERLAYMENT OVER 5/8" APA RATED, EXTERIOR GRADE PLYWOOD, OR ORIENTED STRAND BOARD CLASS "B" FIRE RATING, REFERENCE 2/A.1R FOR ATTACHMENT.

INSULATION

- 1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC. 720 & 2603 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450 ROOF: ALL CLIMATE ZONES - R-19 FIBERGLASS BATTS REQUIRED (MIN.) WALLS: ALL CLIMATE ZONES - R-13 FIBERGLASS BATTS REQUIRED (MIN.) FLOOR: ALL CLIMATE ZONES - 2" POLYISOCYANURATE RIGID INSULATION (R-8.4 PER INCH OR GREATER)

IDENTIFICATION

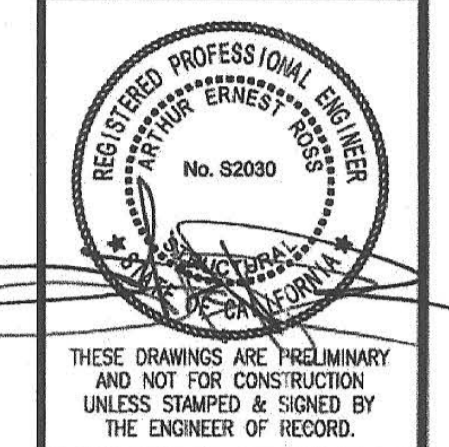
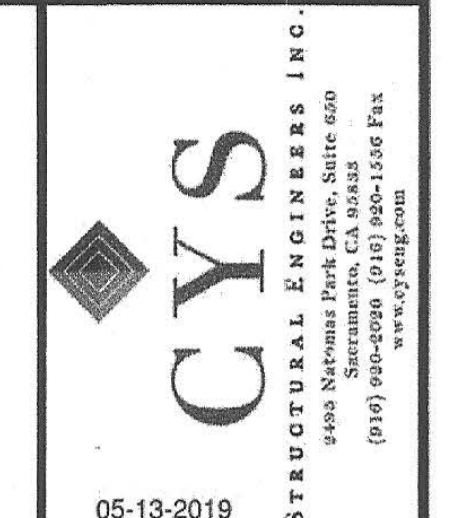
- 1. NOTE: THE MANUFACTURER SHALL PLACE TWO PERM. IDENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD. PLACE ONE TAG ON EXTERIOR AND, ONE ON THE INTERIOR ABOVE CEILING LINE.

LUMBER NOTES

- 1. SAW LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17. 2. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2, ALL BLOCKING SHALL BE DOUGLAS FIR #3, 3. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. 4. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES. 5. ALL FRAMING LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION AND SHALL BE AT 19% MAXIMUM MOISTURE CONTENT (VERIFIED BY THE CONTRACTOR) BEFORE BEING ENCLOSED BY INSULATION, GYPSUM BOARD, OR OTHER SURROUNDING MATERIALS.

BUILDING AND WALL PANELS:

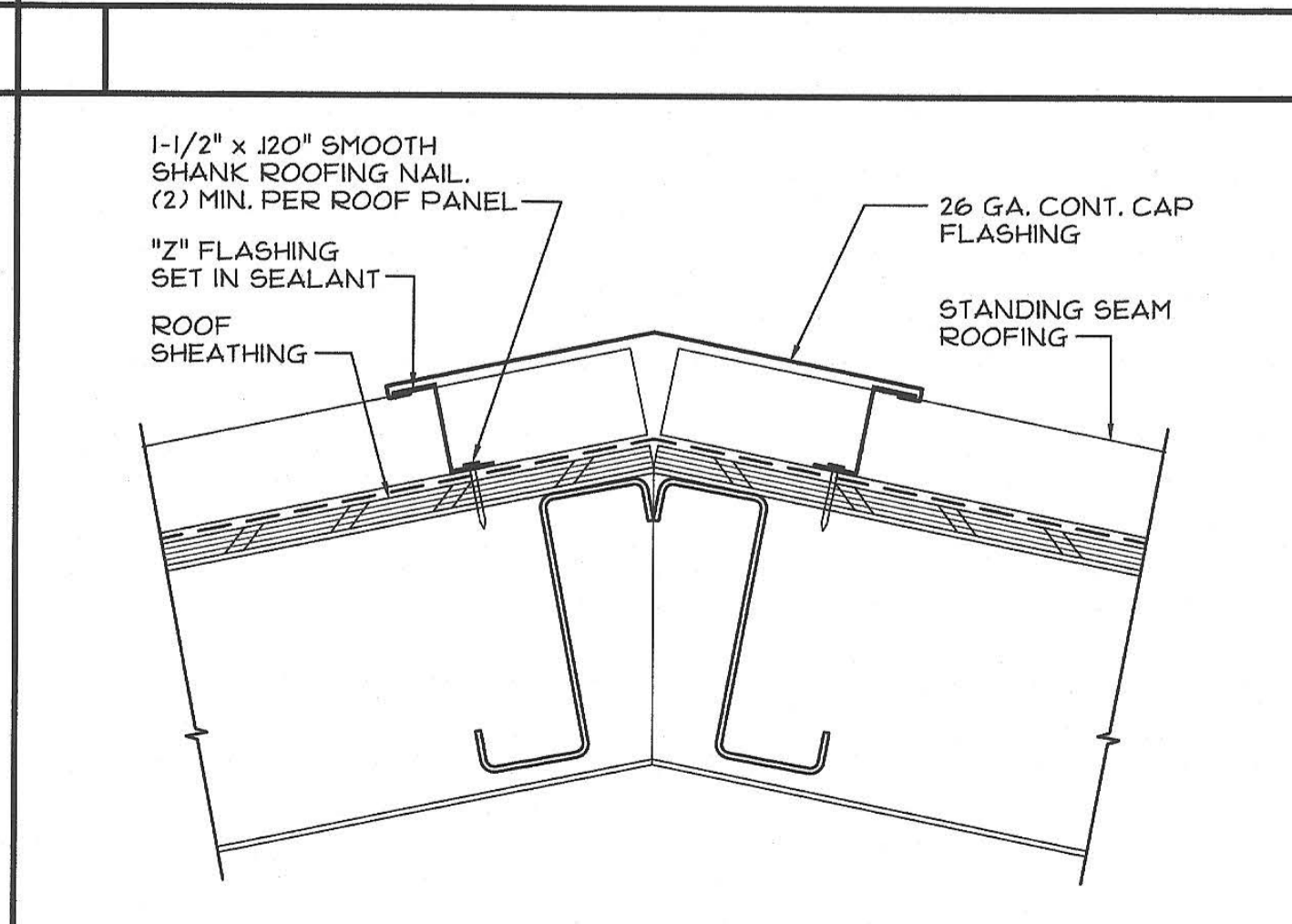
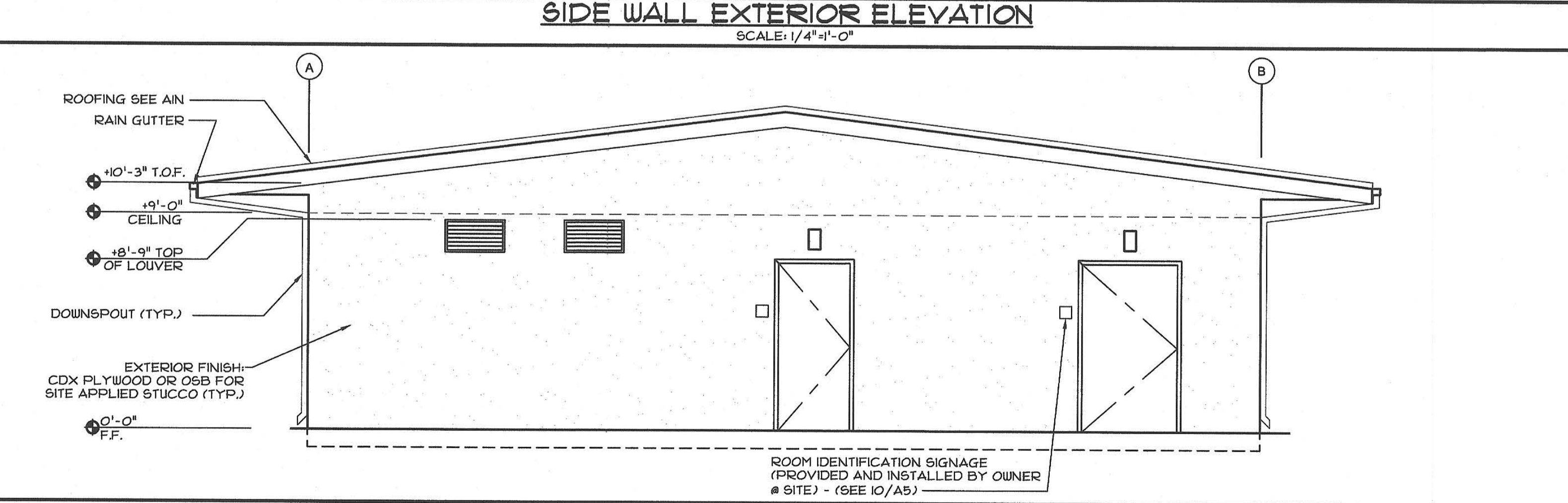
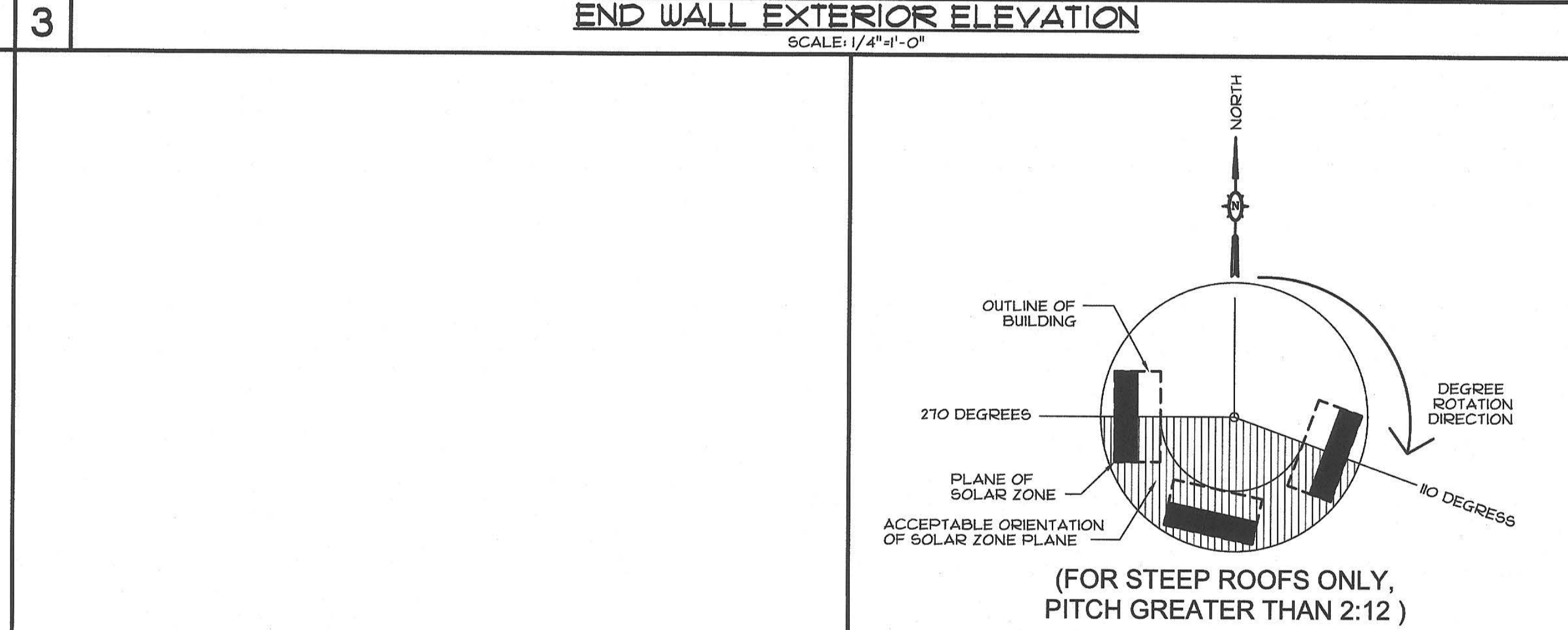
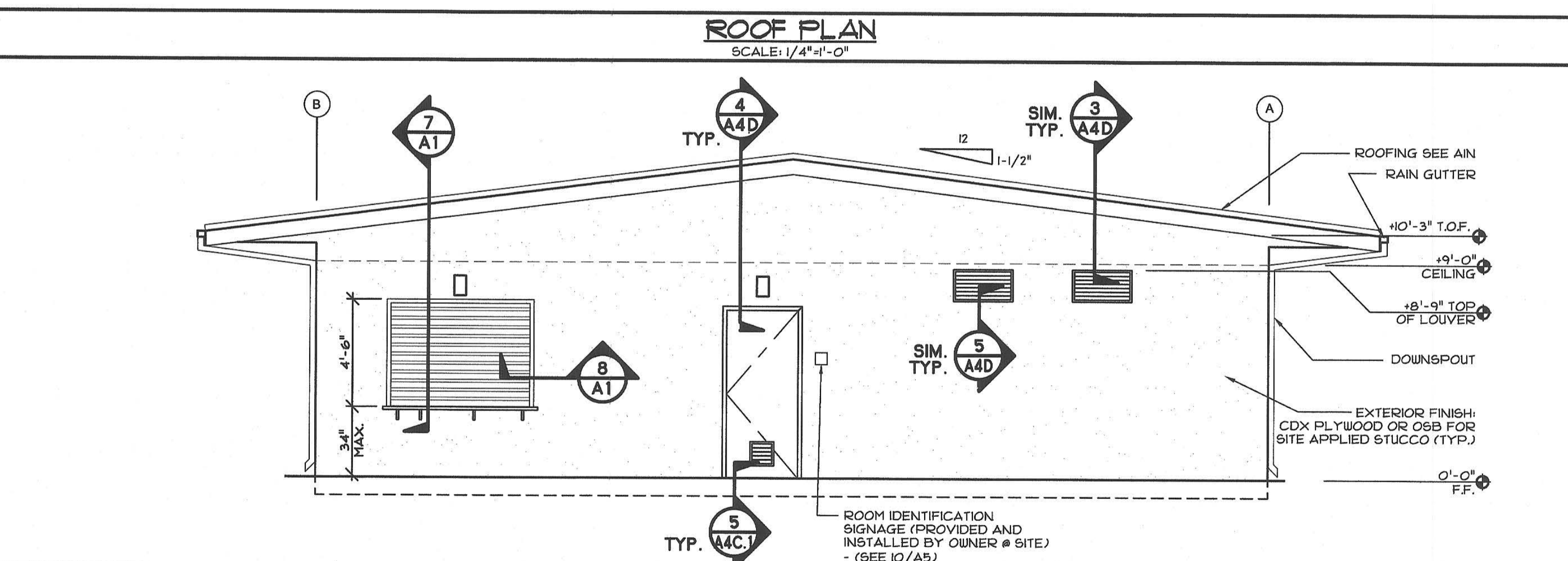
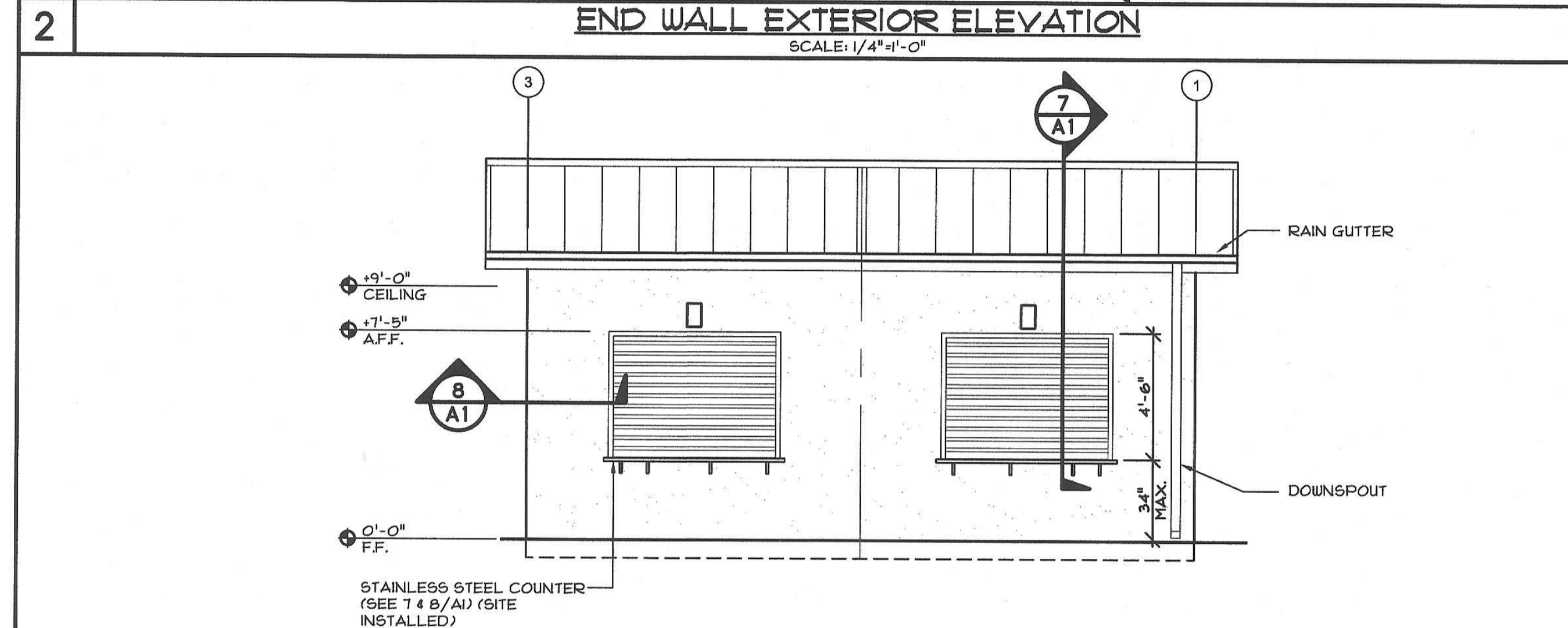
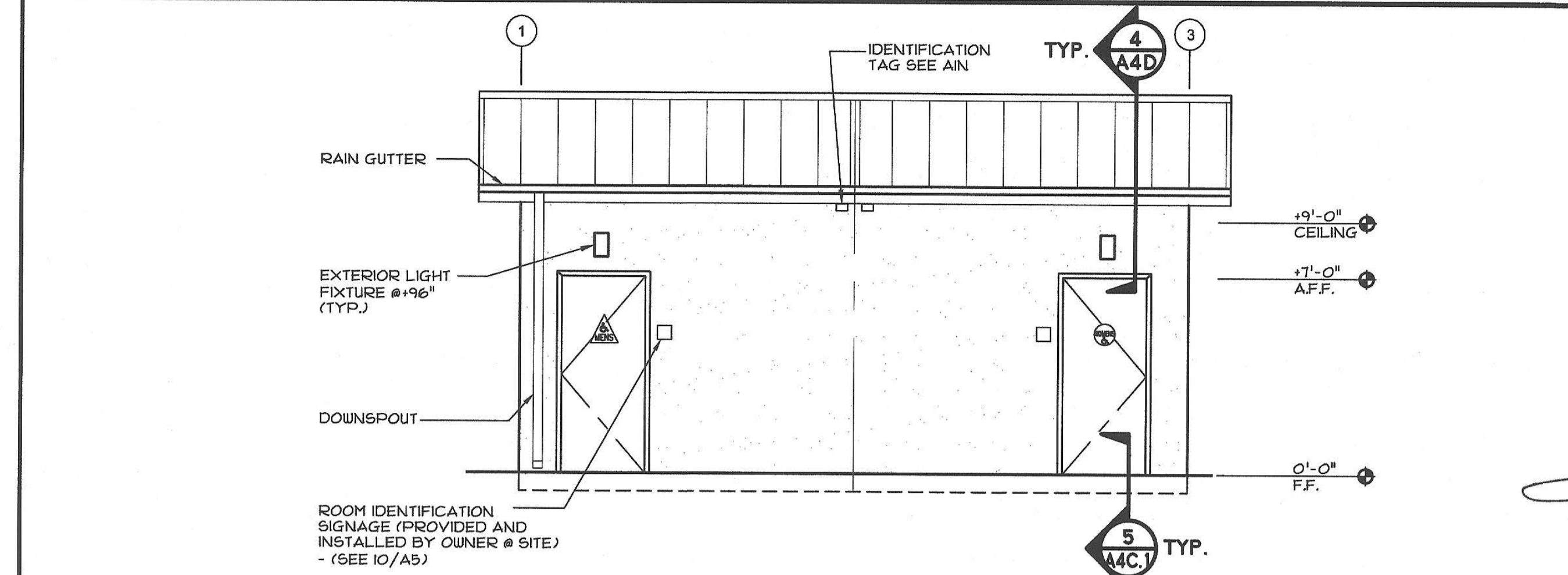
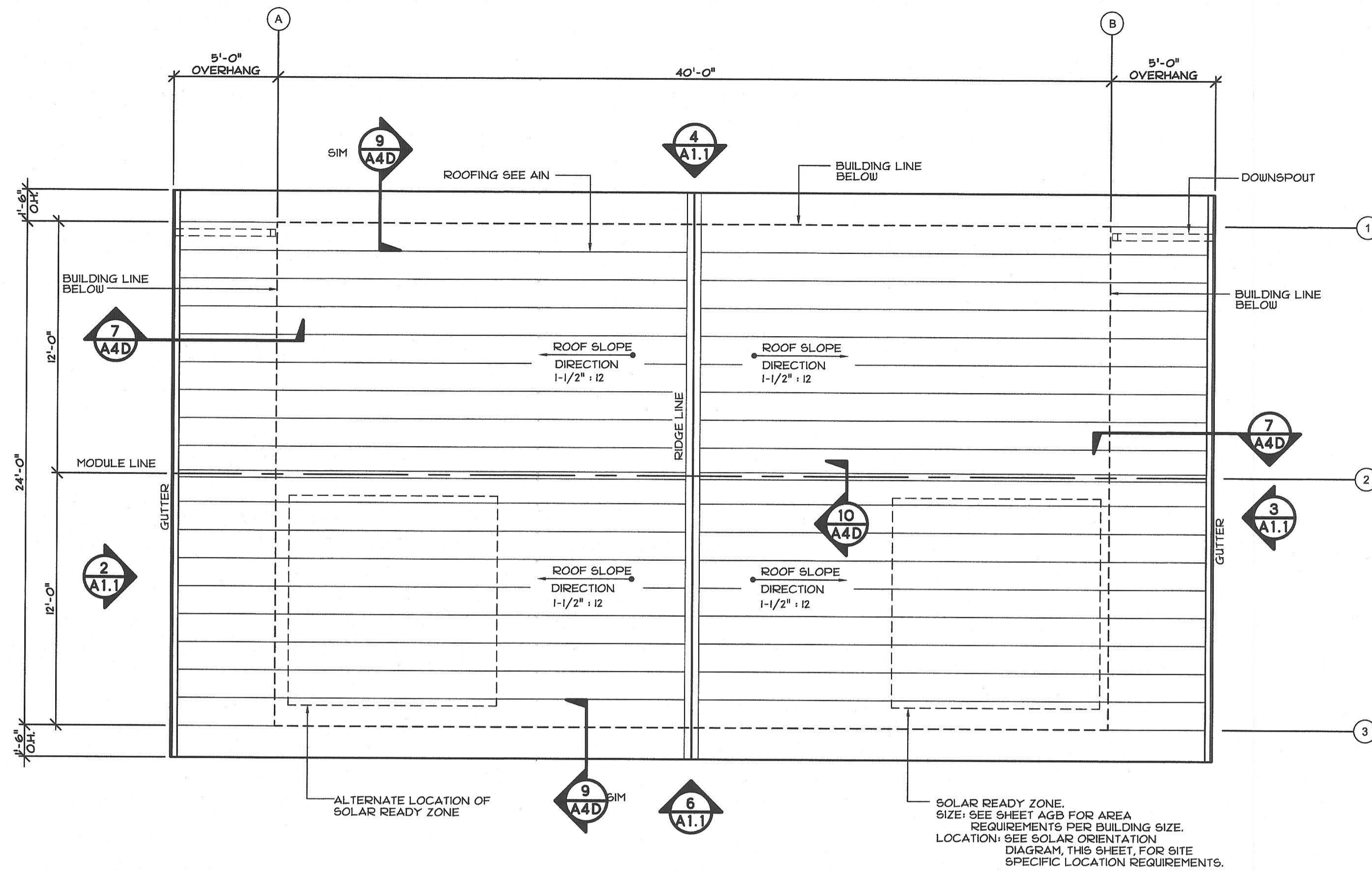
- 1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN 2. SIDEWALL & ENDWALL ELEVATIONS DEPICT NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.



ENVIROPLEX, INC. 4777 E. CARPENTER ROAD STOCKTON, CA. 95215, (209) 466-8000

Table with columns for REV / DATE, BY, JOB No., DRAWN BY, DATE, IDENTIFICATION STAMP, and a signature block for Ernest P. Ernst.

PRE-CHECK (PC) DOCUMENT Code: 2016 CBC A separate project application for construction is required.



APPROVALS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
DATE 5/16/2019

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www.cyseng.com

05-13-2019

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EXERCISE NO. 82030
EXPIRES 12/31/2020

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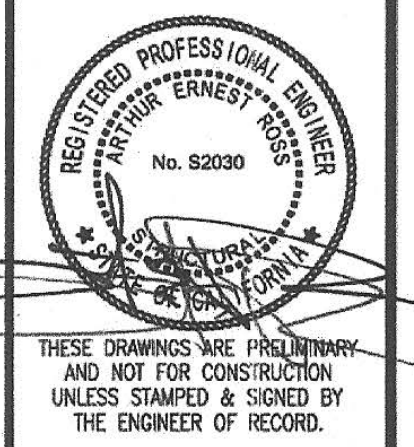
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 466-8000
NEW RELOCATABLE BUILDING AT
PIEDMONT HILLS HIGH SCHOOL
EAST SIDE UNION HIGH SCHOOL DISTRICT

VARIABLE PITCH ROOF PLAN, & EXTERIOR ELEVATIONS

REV / DATE: BY:

JOB No.: 19-000
DRAWN BY: RS
DATE: 05/10/19

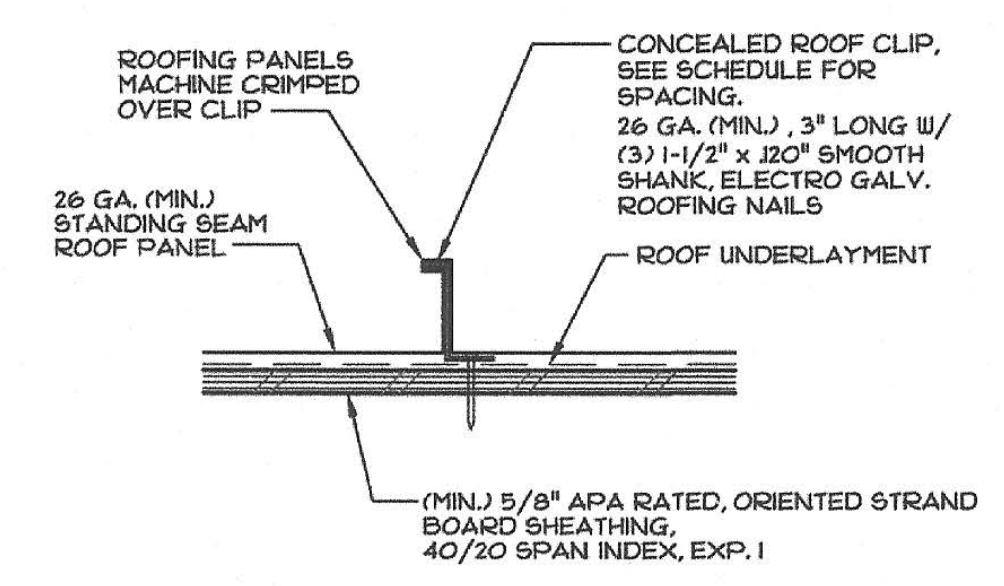
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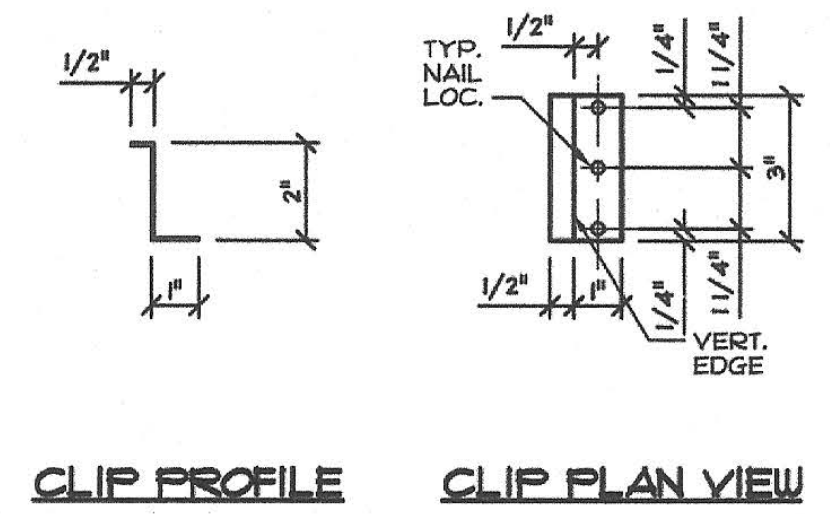
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ROOFING ATTACHMENT

REV / DATE:	BY:
JOB No.:	
DRAWN BY:	
DATE:	
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT	
02-116094	
AC 2111 FL 5/2 SS 30F	
DATE 9-6-2018	



ZONE	ULTIMATE WIND UPLIFT (PSF)	SPACING
3	66.6	12" o.c.
2	44.2	24" o.c.
1	26.4	24" o.c.



2 TYP. ROOFING ATTACHMENT
 SCALE: 3"=1'-0"

3 TYP. ROOFING CLIP
 SCALE: 3"=1'-0"

1. The roof clip uplift capacity is derived from testing the set up to failure rather than calculations. The roof clip assembly test results are per Wallace Kuhl, WKA No. 11228.01. The average maximum test load for 5-5 clamps installed directly over roof clips was 540#. The average maximum test load for 5-5 clamps installed between roof clips was 520#. Therefore, allowable uplift per clip is 520#/(S.F.=3.0) =173#. 3 is the safety factor per DSA IR 16-8.

2. The wind pressures for each site-specific project are to be determined by the PV designer based on the site-specific basic wind speed and wind exposure category.

3. Roof clip type and spacing shown in detail 2 & 3/A1R is standard. The PV designer shall design the PV system within the capacity of the standard clip/spacing.

4. Standard roof clip spacing shall be verified by the PV designer to be adequate for the PV design & site-specific project wind zone pressures.

5. Refer to sheet AGB for solar ready requirements.

a = DIMENSION PER ASCE 7-10
 10% OF LEAST HORIZONTAL DIMENSION OR 0.4h*, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3'.

*h = MEAN ROOF HEIGHT IN FEET, EXCEPT THAT EAVE HEIGHT SHALL BE USED FOR ANGLES < 10°

① ② ③ INDICATE DESIGN WIND PRESSURE ZONES PER ASCE 7-10 FIGURE 30.5-1, SEE SCHEDULE 2, THIS SHEET FOR WIND PRESSURES IN EACH ZONE.

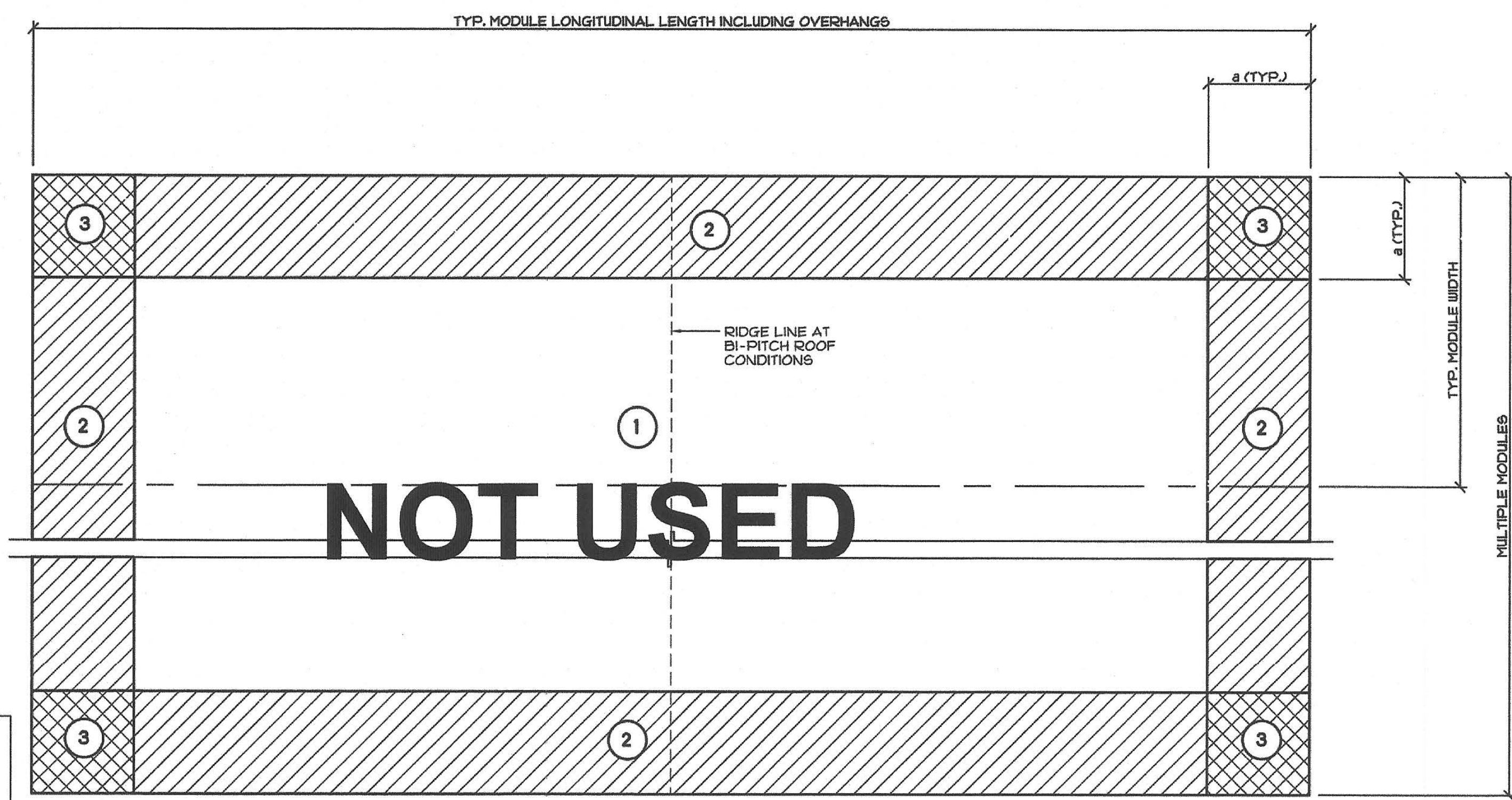
5 NOTES

4 NOTES (FUTURE PV DESIGN)
 SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
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 01-118374
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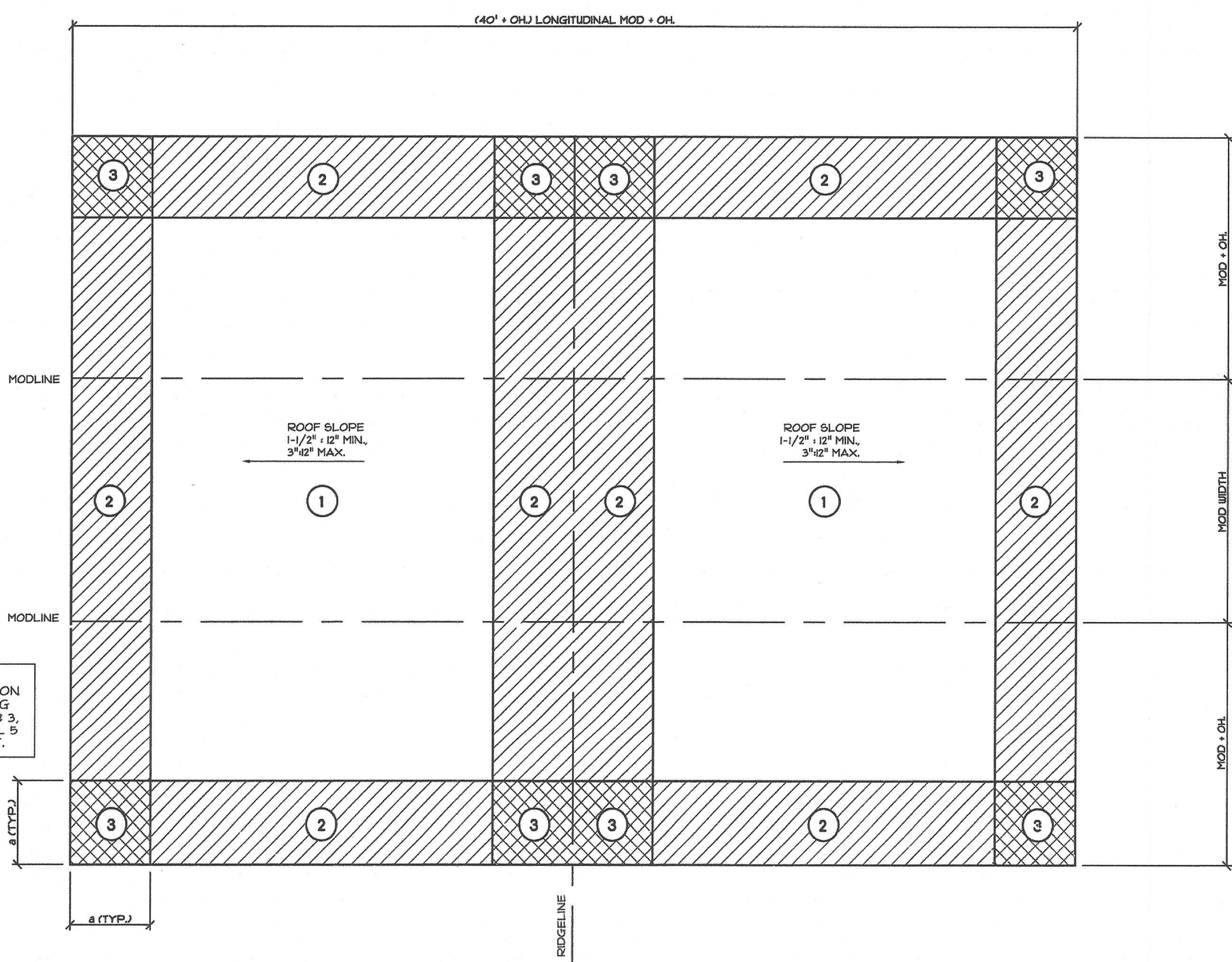
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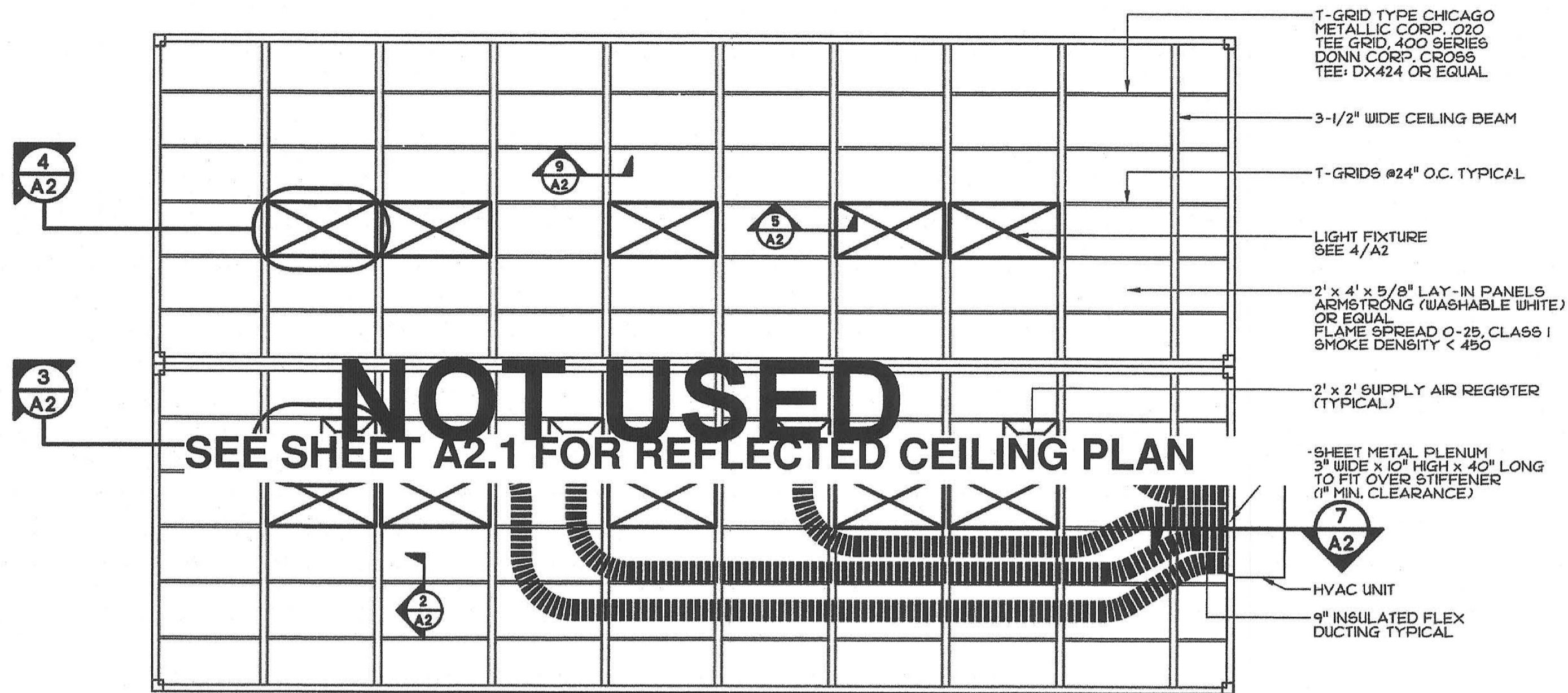
NOTE: FOR INFORMATION REGARDING ZONES 1, 2, & 3, SEE DETAIL 5 THIS SHEET.

1A FOR PV DESIGNER REF. ONLY - GENERIC WIND PRESSURE MAP EXAMPLE "SHED" OR "BIPITCH" ROOF
 SCALE: NONE



NOTE: FOR INFORMATION REGARDING ZONES 1, 2, & 3, SEE DETAIL 5 THIS SHEET.

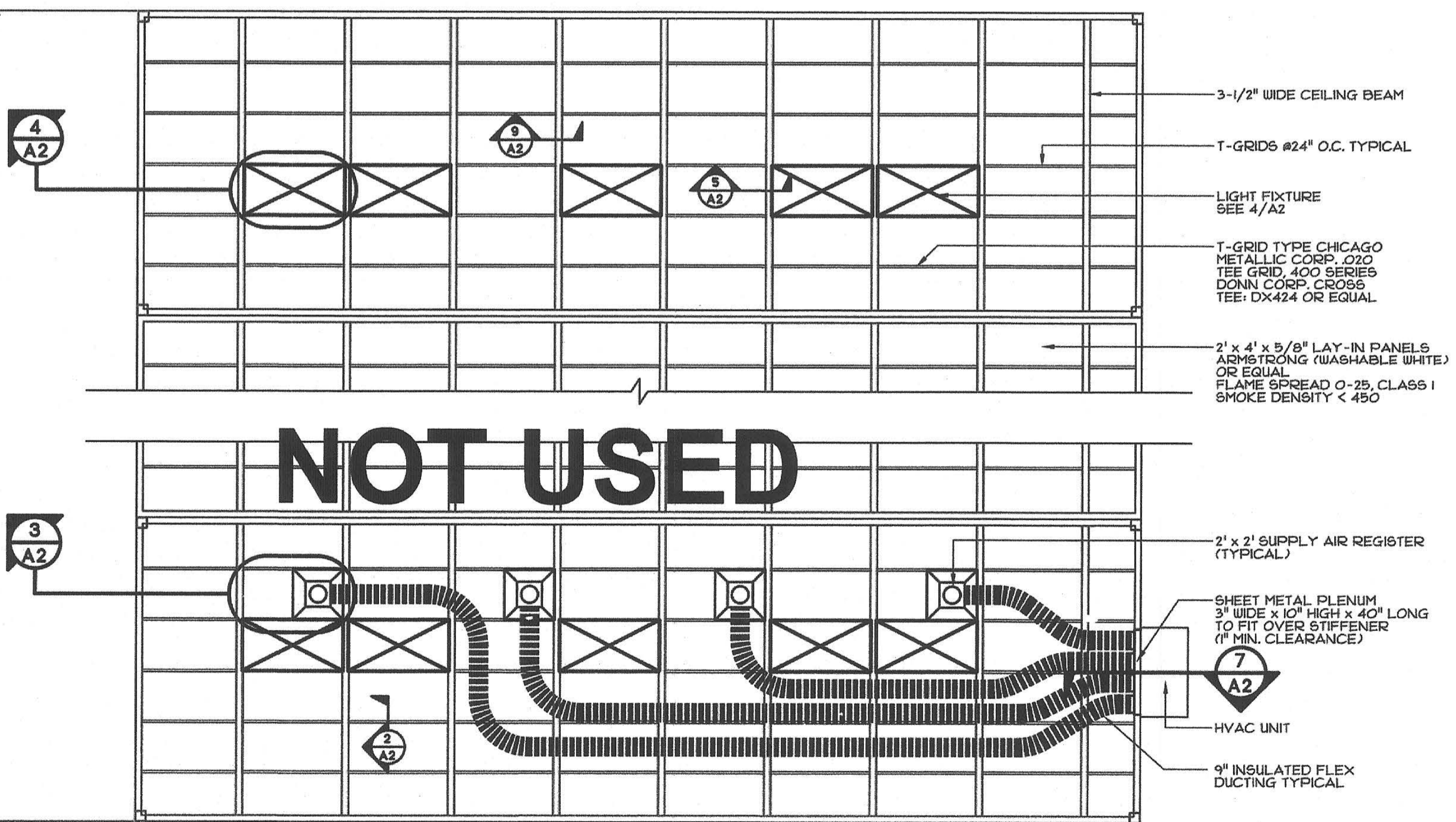
1B FOR PV DESIGNER REF. ONLY - GENERIC WIND PRESSURE MAP EXAMPLE "VARIABLE-PITCHED" ROOF



NOT USED
SEE SHEET A2.1 FOR REFLECTED CEILING PLAN

NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

1 "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

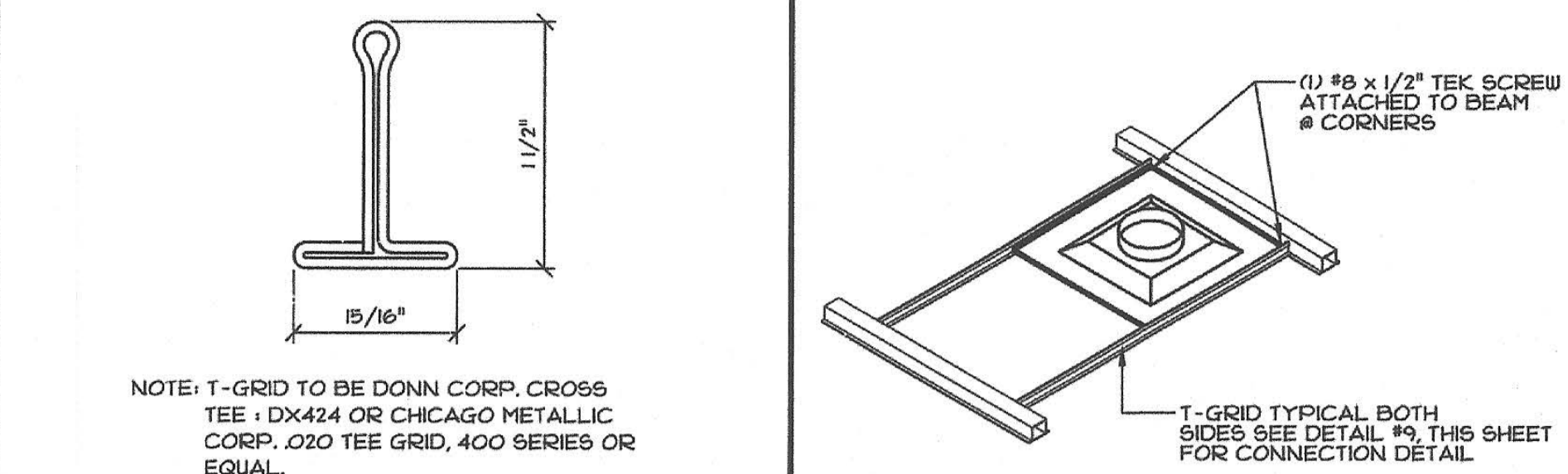


NOT USED

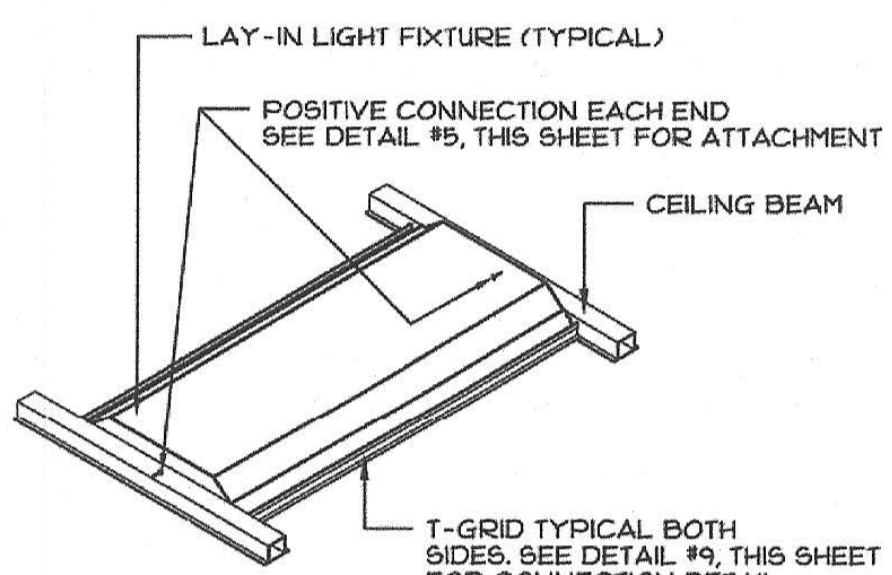
NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

(FOR STRUCTURAL REFERENCE ONLY)

6 ALTERNATE ADJUSTABLE "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



2 TYP. T-GRID SECTION
SCALE: FULL



4 LAY-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"

ROOF INSULATION

OPTIONAL LOCATION FOR ROOF INSULATION

OPENING IN END BEAM REQ. FOR SUPPLY AIR SEE MFG'S INSTRUCTIONS & DETAIL #1, "52" SHEET SERIES.

WALL MOUNT HVAC UNIT SECURED TO WALL @ DOUBLE 2x4 W/ 2-SIDE MOUNTING BRACKETS PROVIDED BY MFG. OF UNIT.

ATTACHED WITH (3) 3/8" x 3" LONG LAG SCREWS @ LOCATIONS SHOWN

HEAT PUMP UNIT VARIES IN SIZE AND BRAND NAME

(4) 1/4" x 20 x 1" TEK SCREWS TO HVAC UNIT

FRAMING AS PER DETAIL #10, "53" SHEET SERIES

NOT USED

BOTTOM MOUNTING BRACKET PROVIDED BY MFG'S SECURED TO DOUBLE 2x BLOCKING W/ (6) 3/8" x 3" LAG SCREWS

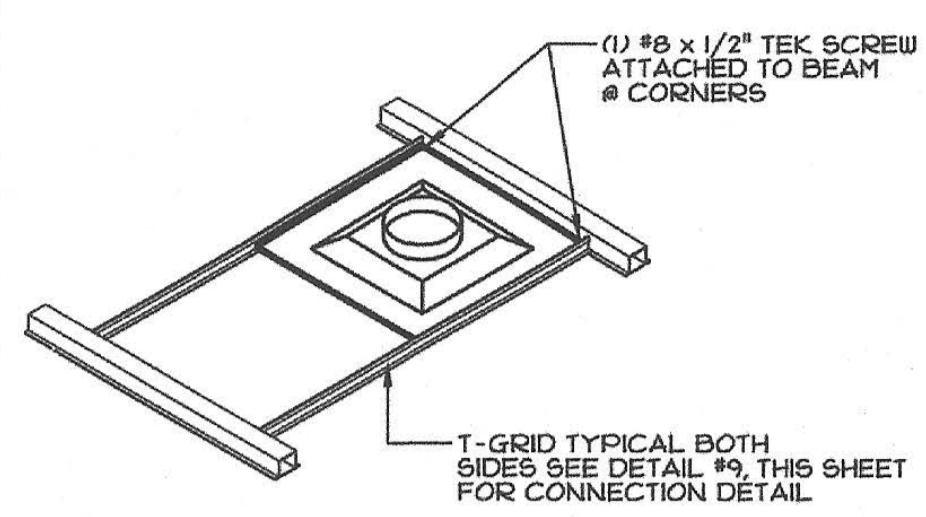
2x STUDS @ 6" o.c. W/ INSULATION

MOISTURE BARRIER

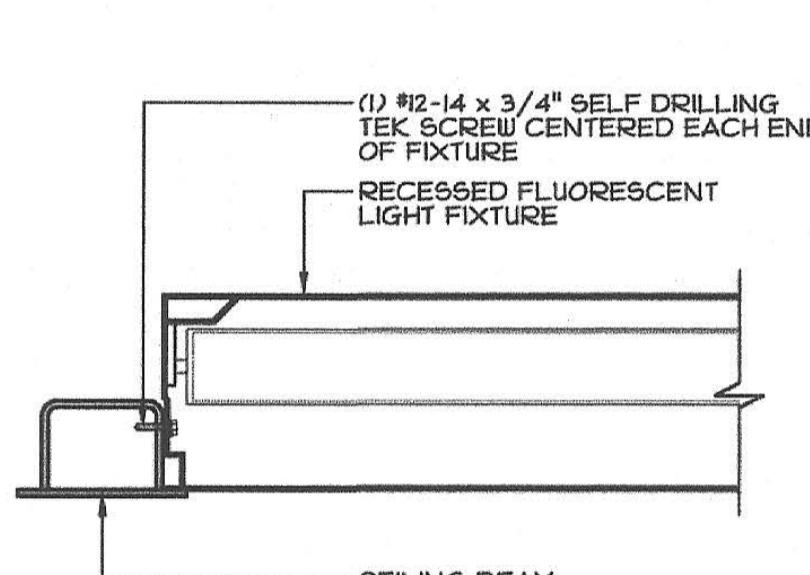
RIGID CELLULAR BOARD INSULATION

NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 HVAC UNIT WALL ATTACHMENT DETAIL
SCALE: 1"=1'-0"



3 SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



5 LIGHT FIXTURE SUPPORT
SCALE: 3/4"=1'-0"

ROOF INSULATION

OPTIONAL LOCATION FOR ROOF INSULATION

OPENING IN END BEAM REQ. FOR SUPPLY AIR SEE MFG'S INSTRUCTIONS & DETAIL #1, "52" SHEET SERIES.

WALL MOUNT HVAC UNIT SECURED TO WALL @ DOUBLE 2x4 W/ 2-SIDE MOUNTING BRACKETS PROVIDED BY MFG. OF UNIT.

ATTACHED WITH (3) 3/8" x 3" LONG LAG SCREWS @ LOCATIONS SHOWN

HEAT PUMP UNIT VARIES IN SIZE AND BRAND NAME

(4) 1/4" x 20 x 1" TEK SCREWS TO HVAC UNIT

FRAMING AS PER DETAIL #10, "53" SHEET SERIES

NOT USED

BOTTOM MOUNTING BRACKET PROVIDED BY MFG'S SECURED TO DOUBLE 2x BLOCKING W/ (6) 3/8" x 3" LAG SCREWS

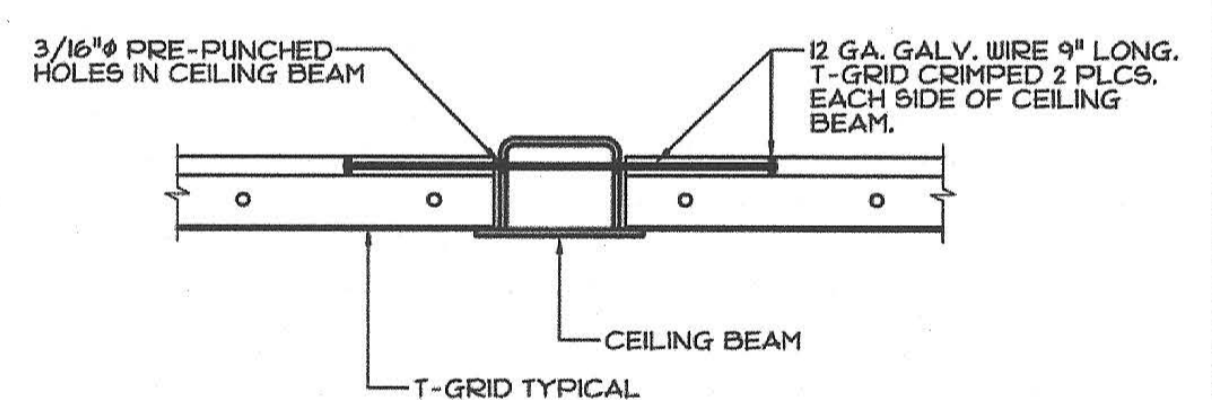
2x STUDS @ 6" o.c. W/ INSULATION

MOISTURE BARRIER

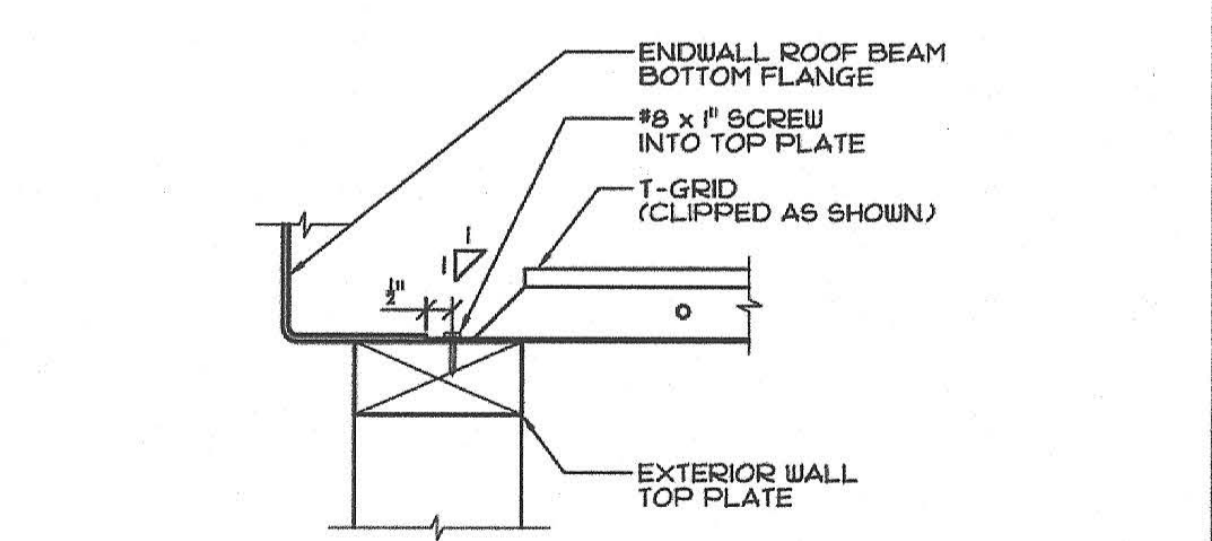
RIGID CELLULAR BOARD INSULATION

- EXTERIOR HEAT PUMP SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED) REFERENCE BRANDS: "BARD" S43H1-A, 3.5 TON, 10.5 EER, 3.2 COP (OR EQUAL)
- WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
 - TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL
 - AUX. HEAT - 5 KW HEAT STRIP
 - LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE
 - COOLING - 42000 BTUH, HEATING 37400 BTUH.
 - WEIGHT: 510# MAX.
- AIR FILTERS: MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8 (CGBS 5.504.5.3) AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHODS SFM-12-71-AS SHOWN IN PART TITLE 24, CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTIBLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER, AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.
- CONTROLS: (@ +48" MAXIMUM A.F.F.) - (TO TOP OF BOX) THERMOSTAT: WHITE-ROGERS (1F85-275) DIGITAL (TAMPER PROOF) SYSTEM SHALL BE INSTALLED WITH AN OCCUPANCY SENSOR FOR SHUT-OFF AND RESET OF VENTILATION CONTROLS OF HVAC PER C.E.C. 120.1 (e) 3.
- DUCTS: MAY BE CLASS "1" OR "0" FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH ARI STANDARDS BY THE CLASS DESIGNATED IN THESE DUCTS SHALL BE IDENTIFIED IN AN APPROVED MANNER BY THE LISTED INSULATION MATERIAL TO THE EXTERIOR. FRAMES OF DUCTS CATED IN THIS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 50 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50
- ALL AIR DISTRIBUTION SYSTEMS DUCTS AND PLENUMS MUST BE INSTALLED, SEALED AND INSULATED AS REQUIRED BY CALIFORNIA ENERGY CODE, 120.4 (d)
- COMBINED UNITS SUPPLYING GREATER THAN 2000 CFM REQUIRES DUCT SMOKE DETECTOR FOR AUTO SHUT-DOWN. INTERCONNECT WITH FIRE ALARM SYSTEM C.M.C. 609. UNLESS ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO EXTERIOR, AND TRAVEL DIST DOES NOT EXCEED 100 FT.
- COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. DURING ROUGH INSTALLATION, DURING SHIPMENT OF RELOCATABLE, STORAGE ON CONSTRUCTION SITE, AND UNTIL FINAL STARTUP, ALL DUCTS OPEN ENDS AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER METHODS TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM (CGBS SEC. 5.504.3)
- EACH SPACE SHALL BE DESIGNED TO HAVE NATURAL VENTILATION OR MECHANICAL VENTILATION THAT IS NOT LESS THAN THE LARGER OF CONDITIONED FLOOR AREA TIMES THE REQUIREMENTS IN THE CALIFORNIA ENERGY CODE TABLE 120.1-A OR 15 TIMES THE EXPECTED NUMBER OF OCCUPANTS.
- MECHANICAL SYSTEM ACCEPTANCE REQUIREMENTS. THE FOLLOWING EQUIPMENT AND SYSTEMS SHALL BE CERTIFIED AS MEETING THE "ACCEPTANCE REQUIREMENTS FOR CODE COMPLIANCE" AS SPECIFIED BY THE REFERENCE NONRESIDENTIAL MANUAL APPENDIX NAT:
 - OUTDOOR AIR VENTILATION SYSTEMS (NAT.5.1)
 - CONSTANT VOLUME, SINGLE ZONE UNITARY A/C AND HEAT PUMP UNIT CONTROLS (NAT.5.2)
- WHEN RESTROOM OPTIONS ARE USED, MECHANICAL EXHAUST SHALL BE PROVIDED PER 2016 C.M.C. TABLE 403.7.

8 HVAC SPECIFICATIONS



9 T-GRID CONNECTION DETAIL
SCALE: 3/4"=1'-0"



10 T-GRID CONNECTION DETAIL
SCALE: 3/4"=1'-0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC - FLS - SS - SDP
DATE 5/16/2019

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-116094
AC - FLS - SS - SDP
DATE 9-6-2018

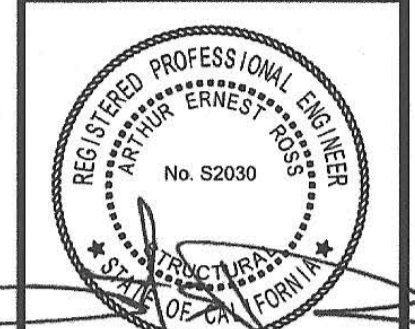
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REV / DATE: BY:

JOB No.:
DRAWN BY:
DATE:

DATE 9-6-2018

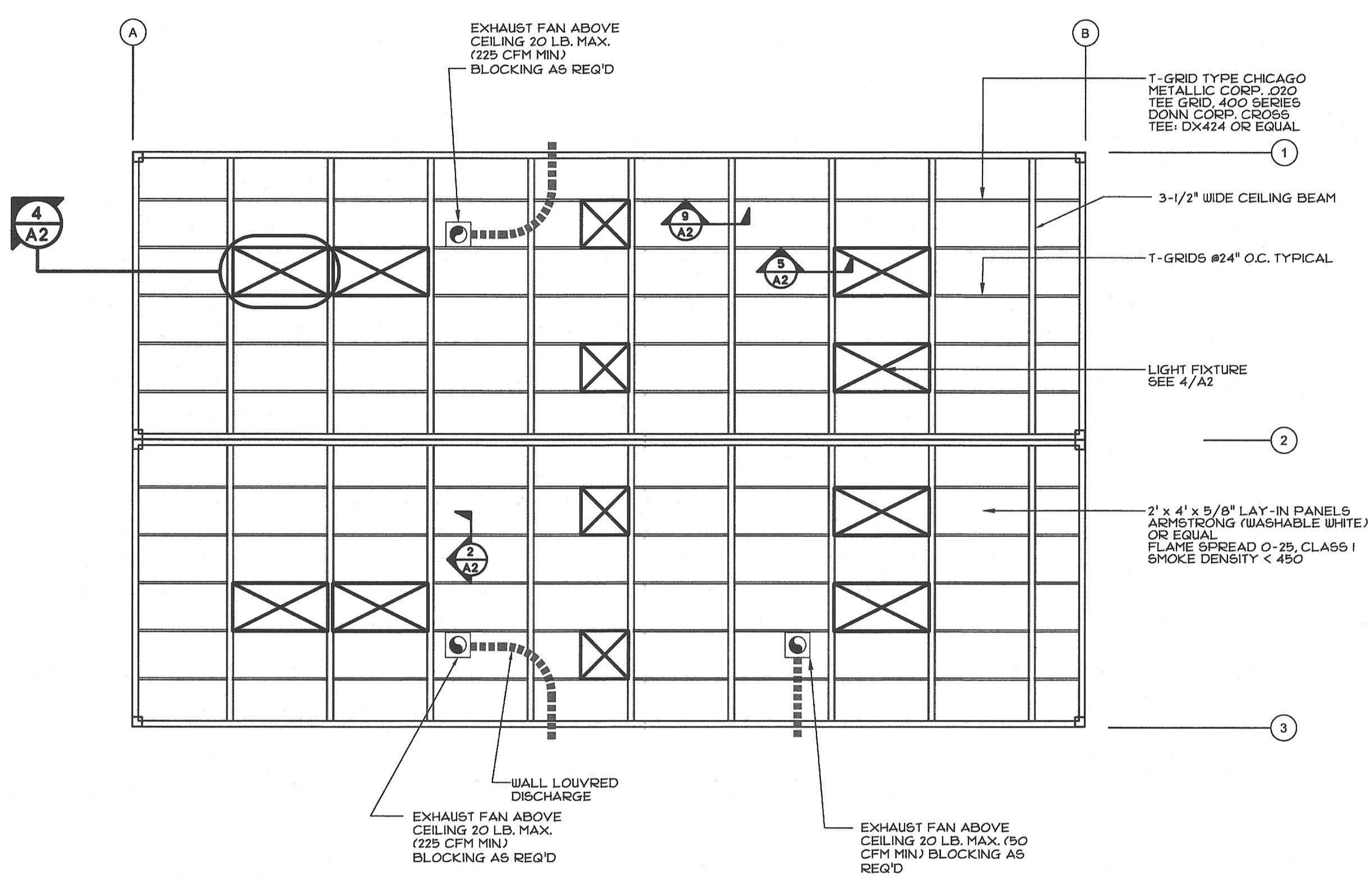


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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 466-8000
NEW RELOCATABLE BUILDING AT
PIEDMONT HILLS HIGH SCHOOL
EAST SIDE UNION HIGH SCHOOL DISTRICT

REFLECTED CEILING PLAN	
REV / DATE:	BY:
JOB No.:	19-000
DRAWN BY:	RS
DATE:	05/10/19

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DIV. OF THE STATE ARCHITECT
01-118374
AC [Signature] FL [Signature] SS [Signature] DF [Signature]
DATE 5/16/19



NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

CAL-GREEN MANDATORY MEASURES

NOTE:
ONLY APPLICABLE CAL-GREEN MANDATORY MEASURES TO THE ENVIROPLEX
MODULAR BUILDING ARE LISTED BELOW. FOR A COMPLETE LIST OF MEASURES
REQUIRED FOR THE ENTIRE CONSTRUCTION PROJECT, REFER TO DSA DOCUMENT
GL-4.

- WATER CLOSETS.**
THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
- URINALS.**
THE EFFECTIVE FLUSH VOLUME SHALL NOT EXCEED 0.125 GALLONS PER FLUSH FOR FLOOR MOUNTED URINALS AND 0.125 GALLONS PER FLUSH FOR WALL MOUNTED URINALS.
- INDOOR WATER USE:**
LAVATORY FAUCETS - 0.5 GPM
KITCHEN FAUCETS - 2.2 GPM
GRAVITY TANK WATER CLOSET - 1.28 GAL/FLUSH
FLUSHOMETER TANK WATER CLOSET - 1.28 GAL/FLUSH
FLUSHOMETER VALVE WATER CLOSET - 1.28 GAL/FLUSH
- EXTERIOR DOOR PROTECTION.**
PRIMARY EXTERIOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO SUCH OPENINGS
PLUS AT LEAST ONE OF THE FOLLOWING:
1. AN INSTALLED AWNING AT LEAST 4 FEET IN DEPTH.
2. THE DOOR IS PROTECTED BY A ROOF OVERHANG AT LEAST 4 FEET IN DEPTH.
3. THE DOOR IS RECESSED AT LEAST 4 FEET.
4. OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION.
- CONSTRUCTION WASTE MANAGEMENT:**
A MINIMUM OF 65% OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE SHALL BE RECYCLED AND/OR SALVAGED FOR REUSE.

CONSTRUCTION WASTE MANAGEMENT PLAN SHALL:
1) IDENTIFY WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL.
2) DETERMINE OF WASTE MATERIALS WILL BE SORTED ON-SITE OR BULK MIXED.
3) IDENTIFY DIVERSION FACILITIES WHERE COLLECTED WASTE MATERIAL WILL BE TAKEN.
4) SPECIFY THE AMOUNT OF WASTE DIVERTED CALCULATED BY WEIGHT OR BY VOLUME.

UTILIZE A WASTE MANAGEMENT COMPANY THAT CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION AND DEMOLITION WASTE MATERIAL DIVERTED FROM THE LANDFILL.
- COVERINGS OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION.**
AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
- CARPET SYSTEMS.**
ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET AT LEAST ONE OF THE TESTING AND PRODUCT REQUIREMENTS:
1. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM.
2. COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS CDPH STANDARD METHOD V1.1 OR SPECIFICATION 01350).
3. NSF/ANSI 140 AT THE GOLD LEVEL OR HIGHER;
4. SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE; OR
5. COMPLIANT WITH THE CALIFORNIA COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CA-CHPS) CRITERIA INTERPRETATION FOR EQ 2.2 DATED JULY 2012 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE.
- CARPET CUSHION.**
ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
- CARPET ADHESIVE.**
ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.
- COMPOSITE WOOD PRODUCTS.**
HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDINGS SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN AER'S AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.). THOSE MATERIALS NOT EXEMPTED UNDER THE ATCM MUST MEET THE SPECIFIED EMISSION LIMITS, AS SHOWN IN TABLE 5.504.4.5.

SOLAR READY REQUIREMENTS

A) MINIMUM SOLAR ZONE AREA BASED ON TOTAL ROOF AREA (NON-SHADED CONDITIONS):

- THE SOLAR ZONE MUST HAVE A TOTAL AREA THAT IS NO LESS THAN 15 PERCENT OF THE TOTAL ROOF AREA AFTER SUBTRACTING ANY AREA OF THE ROOF THAT IS COVERED BY A SKYLIGHT.
- THE TOTAL AREA OF THE SOLAR ZONE MAY BE COMPOSED OF MULTIPLE SUB-AREAS. NO DIMENSION OF A SUB-AREA CAN BE LESS THAN FIVE FEET, EACH SUB-AREA MUST BE AT LEAST 80 SQUARE FEET.

B) SOLAR READY ROOF AREA REQUIREMENT PER BUILDING SIZE:

Building size	Roof Area			minimum solar zone area required (sf)
	area (sf)	potential overhangs (sf)	total (sf)	
24 x 40	960	240	1200	180
36 x 40	1440	360	1800	270
48 x 40	1920	480	2400	360
60 x 40	2400	600	3000	450
72 x 40	2880	720	3600	540
84 x 40	3360	840	4200	630
96 x 40	3840	960	4800	720
108 x 40	4320	1080	5400	810
120 x 40	4800	1200	6000	900

C) MINIMUM SOLAR ZONE AREA BASED ON POTENTIAL SOLAR ZONE (SHADED CONDITIONS):

- THE MINIMUM REQUIRED SOLAR ZONE AREA MAY BE REDUCED IF THE BUILDING SITE IS SHADED BY OBJECTS THAT ARE NOT PART OF THE BUILDING ITSELF AND THERE IS NO UN-SHADED AREA THAT COULD ACCOMMODATE THE FULL SOLAR ZONE.
- THE POTENTIAL SOLAR ZONE IS DEFINED AS THE TOTAL AREA ON ROOF, OVERHANG, ROOF OR OVERHANG OF A STRUCTURE WITHIN 250 FEET OF THE BUILDING, OR ON A COVERED PARKING STRUCTURE INSTALLED WITH THE BUILDING THAT HAS ANNUAL SOLAR ACCESS OF 70 PERCENT OR GREATER.
- IF THE POTENTIAL SOLAR ZONE IS SMALLER THAN 15 PERCENT OF THE ROOF AREA OF THE BUILDING EXCLUDING ANY SKYLIGHTS, THEN THE SOLAR ZONE CAN BE REDUCED TO HALF THE AREA OF THE POTENTIAL SOLAR ZONE. IF THE ROOF IS SHADED SUCH THAT THERE IS NO POTENTIAL SOLAR ZONE AREA, THEN NO SOLAR ZONE IS REQUIRED.

D) SOLAR ZONE ORIENTATION:

- IF THE SOLAR ZONE IS LOCATED ON A STEEP-SLOPED ROOF WITH A RATIO OF RISE TO RUN OF GREATER THAN 2:12, THEN THE ROOF MUST BE ORIENTED BETWEEN 110 DEGREES AND 270 DEGREES OF TRUE NORTH.
- IF A SOLAR ZONE IS LOCATED ON A LOW-SLOPED ROOF WITH A RATIO OF RISE TO RUN LESS THAN 2:12, THE ORIENTATION REQUIREMENTS DO NOT APPLY.
- OBSTRUCTIONS SUCH AS VENTS, CHIMNEYS, ARCHITECTURAL FEATURES, OR ROOF MOUNTED EQUIPMENT CANNOT BE LOCATED IN THE SOLAR ZONE. THIS REQUIREMENT IS IN PLACE SO THE SOLAR ZONE REMAINS CLEAR AND OPEN FOR THE FUTURE INSTALLATION OF A SOLAR ENERGY SYSTEM.

E) ALTERNATIVE SOLAR ZONE LOCATION:

- THE SOLAR ZONE CAN BE LOCATED AT ANY OF THE FOLLOWING LOCATIONS; ROOF OF ANOTHER STRUCTURE LOCATED WITHIN 250 FEET OF THE PRIMARY BUILDING. OVERHANG OF ANOTHER STRUCTURE WITHIN 250 FEET OF THE PRIMARY BUILDING, OR COVERED PARKING INSTALLED WITH THE BUILDING PROJECT.

F) SOLAR PANELS ARE NOT TO EXCEED 4.0 PSF AND ARE NOT TO OCCUR ON BUILDING OVERHANGS. SOLAR PANELS MUST BE INACCESSIBLE PER CBC 1607A.12.5. ~~1607.12.5.~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC _____ FLS _____ SS BCF
DATE 5/16/2017

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP. # 02-116094 DATE 12-20-18

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

CYS
STRUCTURAL ENGINEERS INC.
1990 Nicholas Park Drive, Suite 200
Bakersfield, CA 93315
(805) 738-7388 Fax
www.cyseng.com

05-13-2019
REGISTERED PROFESSIONAL ENGINEER
ERNEST J. JONES
No. 82020
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215. (209) 466-8000

GREEN BUILDING STANDARDS
AND SOLAR READY REQUIREMENTS

REV / DATE: BY:
JOB No.:
DRAWN BY:
DATE:
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-116094
AC _____ FLS _____ SS BCF
DATE 9-6-2018

Project Name: Standard 2640 PC - 2018 code	NRCC-PFA-01-E	Page 8 of 18
Project Address: CE 14 (Reference city - Palmdale)	Calculation Date/Time: 11/28, P1, 11/28, 2018	
Compliance Scope: New/Complete	Input File Name: R1 - 02-118034 - 2640 PC (CE 14 - Palmdale).shd18	

K. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-01-03-E and NRCC-170-03-E) § 130.4

This document is used to demonstrate compliance with requirements in § 110.6, § 140.6, § 140.6.5, and § 142.07.4 for indoor lighting scopes using the prescriptive path.

Test Description	Indoor				Outdoor	Confirmed
	NRCA-01-03-A	NRCA-01-03-B	NRCA-01-03-C	NRCA-170-03-A		
System Requiring Testing or Verification	# of units	On Sensors / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls	
Occupant Sensors	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Time Switch	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Daylighting	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demand Responsive	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outdoor Controls	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2018 Nonresidential Compliance Report Version: NRCC-PFA-01-E-07/11/18-1302 Report Generated on: 2018-07-18 11:08:54

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LT-0 (Rev. 1/18)

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in § 110.6, § 140.6, § 140.6.5, and § 142.07.4 for indoor lighting scopes using the prescriptive path.

Project Name: Standard 2640 PC Report Page: Page 3 of 6
Project Address: CE 14 Date Prepared: 7/13/2018

A. GENERAL INFORMATION

01 Project Location (city)	Reference city - Palmdale	04 Total Conditioned Floor Area (ft ²)	980
02 Climate Zone	3A	05 Total Unconditioned Floor Area (ft ²)	0
03 Occupancy Type: Within Project (select all that apply):			
<input type="checkbox"/> Office	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Hotel/Motel	<input type="checkbox"/> School
<input type="checkbox"/> Parking Garage	<input checked="" type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Other (write in):	<input type="checkbox"/> Support Areas

B. PROJECT SCOPE

Table Instructions: Indicate any lighting system that are within the scope of the permit application and one demonstrating compliance using the prescriptive path outlined in § 140.6 or § 142.07.4 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
	01	02	03	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)
<input checked="" type="checkbox"/> New Lighting System	Complete Building	980	Complete Building	0
<input type="checkbox"/> Altered Lighting System				
	Total Area of Work (ft ²)		0	

C. COMPLIANCE RESULTS

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

Lighting in unconditioned and unconditioned spaces must not be combined for compliance per § 140.6(b)(1)	Allowed Lighting Power per § 140.6(b) (Watts)			Actual Lighting Power per § 140.6(c) (Watts)			Compliance Results
	01	02	05	06	07	09	
Complete Building	1,344	1,344	1,344	931	931	931	COMPLIES
Unconditioned							COMPLIES

Rated Power Reduction Compliance (See Table H for Details) **COMPLIES**

CA Building Energy Efficiency Standards - 2018 Nonresidential Compliance http://www.energy.ca.gov/title24/2018standards March 2018

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LT-0 (Rev. 1/18)

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in § 110.6, § 140.6, § 140.6.5, and § 142.07.4 for indoor lighting scopes using the prescriptive path.

Project Name: Standard 2640 PC Report Page: Page 4 of 6
Project Address: CE 14 Date Prepared: 7/13/2018

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

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

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

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

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAC)

Table Instructions: Please complete the table for all areas indicated in Table 1 or Table L as using a PAC credit described in § 140.6(c)(2). Conditioned Spaces

Area Description	PAC per § 140.6(c)(2) (*Can be used in conjunction with other PACs)						Control Credit Power Adjustment (Watts)
	1	2A	2B	2C	3A*	3B*	
Classroom	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	59
Total Power Adjustment (Watts) CONDITIONED SPACES							59

S. RATED POWER REDUCTION COMPLIANCE BY SPACE
This Section Does Not Apply

CA Building Energy Efficiency Standards - 2018 Nonresidential Compliance http://www.energy.ca.gov/title24/2018standards March 2018

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LT-0 (Rev. 1/18)

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in § 110.6, § 140.6, § 140.6.5, and § 142.07.4 for indoor lighting scopes using the prescriptive path.

Project Name: Standard 2640 PC Report Page: Page 5 of 6
Project Address: CE 14 Date Prepared: 7/13/2018

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

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

F. INDOOR LIGHTING FIXTURE SCHEDULE

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

Name of Item	01	02	03	04	05	06	07	08	09
Complete Luminaire Description	Track	Portable	How Wattage is determined	Exempt per § 140.6(d)(3)	Design Watts	Field Inspector Pass / Fail			
A	3) 4 ft LED 20W/4.60L		Mfr. Spec	30	590				
Total Designated Watts CONDITIONED SPACES							590		

G. TRACK LIGHTING
This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Form/Title	Building Level Controls	
	01	03
Mandatory Demand Response	<input type="checkbox"/>	Shut-off Controls § 130.1(c)
Area Level Controls	<input type="checkbox"/>	See Area Level Controls

CA Building Energy Efficiency Standards - 2018 Nonresidential Compliance http://www.energy.ca.gov/title24/2018standards March 2018

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LT-0 (Rev. 1/18)

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in § 110.6, § 140.6, § 140.6.5, and § 142.07.4 for indoor lighting scopes using the prescriptive path.

Project Name: Standard 2640 PC Report Page: Page 6 of 6
Project Address: CE 14 Date Prepared: 7/13/2018

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <http://www.energy.ca.gov/title24/subdivisions/CEC-500-2018-CES/Accessories/Forms/WHC/>

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

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit <http://www.energy.ca.gov/title24/subdivisions/CEC-500-2018-CES/Accessories/Forms/WHC/>

YES	NO	Form/Title	Field Inspector Pass / Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LT-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LT-08-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LT-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LT-03-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2018 Nonresidential Compliance http://www.energy.ca.gov/title24/2018standards March 2018

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LT-0 (Rev. 1/18)

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in § 110.6, § 140.6, § 140.6.5, and § 142.07.4 for indoor lighting scopes using the prescriptive path.

Project Name: Standard 2640 PC Report Page: Page 3 of 6
Project Address: CE 14 Date Prepared: 7/13/2018

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

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per § 140.6(b). Indicate if additional lighting power allowance per § 140.6(b) or adjustments per § 140.6(c) are being used.

Area Description	04	05	06	07	08	09	10	11	12
Complete Building or Area Category	Area Controls § 130.1(b)	Multi-Level Controls § 130.1(b)	Shut-Off Controls § 130.1(c)	Primary/Shift Daylighting § 140.6(d)	Secondary Daylighting § 140.6(d)	Interlocked Systems § 140.6(d)(3)	Field Inspector Pass / Fail		
Classroom Building	Manual ON/OFF	Dimmer	Occup Sensor	Included	N/A				
Notes: Controls with a * require a note in the space below explaining how compliance is achieved.									
EXCEPTION 1: Primary/Daylight Daylighting: Exempt because less than 120 watts of general lighting.									
EXCEPTION 2: Primary/Daylight Daylighting: Exempt because less than 120 watts of general lighting.									
Plan Sheet Showing Daylight Zones:									

J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES
This Section Does Not Apply

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES
This Section Does Not Apply

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

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS
This Section Does Not Apply

CA Building Energy Efficiency Standards - 2018 Nonresidential Compliance http://www.energy.ca.gov/title24/2018standards March 2018

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LT-0 (Rev. 1/18)

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in § 110.6, § 140.6, § 140.6.5, and § 142.07.4 for indoor lighting scopes using the prescriptive path.

Project Name: Standard 2640 PC Report Page: Page 6 of 6
Project Address: CE 14 Date Prepared: 7/13/2018

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name: Luis Equival
Documentation Author Signature: [Signature]
Signature Date: 7/16/2018
Company: Enviroplex, Inc.
Address: 4777 E. Carpenter Road
City/State/Zip: Stockton, CA 95215
Phone: (209) 466-8000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 8 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (preparable designs).
- 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.
- 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.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit 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 completion.

Responsible Designer Name: Luis Equival
Responsible Designer Signature: [Signature]
Company: Enviroplex, Inc.
Address: 4777 E. Carpenter Road
City/State/Zip: Stockton, CA 95215
Phone: (209) 466-8000

CA Building Energy Efficiency Standards - 2018 Nonresidential Compliance http://www.energy.ca.gov/title24/2018standards March 2018

CYS
REGISTERED PROFESSIONAL ENGINEER
No. 82030
7/13/2018

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 466-8000

ENERGY COMPLIANCE CLIMATE ZONES 1-16

REV / DATE: BY:

JOB No.:
DRAWN BY:
DATE:

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
01-118374
AC - FLS - SS BDC
DATE 5/16/2018

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP # 23-116994 DATE 8/10/18

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-116094
AC - FLS - SS BDC
DATE 9-6-2018

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EN3

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-174 (Rev. 9/17)
 CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with requirements in §160.6, §160.7, §160.8, and §160.10(a) for outdoor lighting systems using the prescriptive path.
 Project Name: Standard 24x40 PC Report Page: Page 1 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

A. GENERAL INFORMATION
 01 Project Location (city) (reference city - Palmdale) 04 Total Illuminated Hardship Area (ft²) 0
 02 Climate Zone 54
 03 Outdoor Lighting Zone per Title 24, Part 1, §160.3-14 or as designated by Authority Having Jurisdiction (AHJ):
 * L2-3: Very Low - Undeveloped Parkland | L2-3: Moderate - Rural Areas | L2-4: High - Must be reviewed by CA Energy Commission for Approval
 * L2-4: Low - Developed Parkland | L2-8: Moderately High - Urban Areas

B. PROJECT SCOPE
 Table Instructions: Include any existing outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §160.7 or §160.10(a), for alterations.
 My project consists of:
 01 New Lighting System Must Comply with Allowances from §160.7 02
 03 Altered Lighting System In your alteration, increasing the connected lighting load (Watts)? Yes No
 04 FOOTNOTES: If existing luminaires being Altered or Added / Existing Luminaires within the Scope of the Permit Application YES

C. COMPLIANCE RESULTS
 Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.
 Calculation of Total Allowed Lighting Power (Watts) §160.7 or §160.10(a)

01	02	03	04	05	06	07	08	09
General Hardship Allowance §160.7(d) (See Table I)	Per Application §160.7(d)(2) (See Table J)	Sales Frontage §160.7(d)(3) (See Table K)	Ornamental §160.7(d)(4) (See Table L)	Per Specific Area §160.7(d)(5) (See Table M)	Existing Power §160.7(d)(6) (See Table N)	Total Allowed (Watts)	Total Actual (Watts)	07 Must be 08
520	17	*	*	*	537	17	537	COMPLIES

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

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-174 (Rev. 9/17)
 CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with requirements in §160.6, §160.7, §160.8, and §160.10(a) for outdoor lighting systems using the prescriptive path.
 Project Name: Standard 24x40 PC Report Page: Page 2 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

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

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

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
 This Section Does Not Apply

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

H. OUTDOOR LIGHTING CONTROLS
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

STATE OF CALIFORNIA
Outdoor Lighting
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 Project Name: Standard 24x40 PC Report Page: Page 3 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

I. OUTDOOR LIGHTING CONTROLS
 Table Instructions: Complete this table demonstrating compliance with control requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (unattached) and luminaires which are removed and re-installed (wired only) do not need to be included in this table.
 Table I (below) Table J (below) Table K (below) Table L (below) Table M (below)

01	02	03	04	05	06	07	08
Area Description	Motion Sensor: Incandescent/100W §190.21(a)	Shut-Off §190.21(a)	Auto-Schedule §190.21(c)	Motion Sensor: §190.21(c)	Sales Frontage §190.21(c)	Perkins, Ornament, Outdoor String §190.21(c)	Field Inspector Pass/Fail
Exterior wall mount light	NA: No Motion Sensor	Photocell	Yes	NA: Walk/EDW	NA: No Sales Frontage	No Applicable LI	

 * NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
 FC: Not permitted by health & safety to be turned off; EXCEPTION 1 to §190.21(c)

J. LIGHTING POWER ALLOWANCE (per §160.7)
 Table Instructions: Please complete this table for areas using the allowance calculation per §160.7. General Hardship Allowance is per Table 160.7(d) while "Use It or Lose It" Allowance is per Table 160.7(e). Indicate which allowance are being used to support selection for area type. Luminaires that qualify for one of the "Use It or Lose It" allowances shall not qualify for another "Use It or Lose It" allowance.

Area Description	General Hardship Allowance (Watts)	Per Application	Sales Frontage	Ornamental	Per Specific Area
Outdoor Lighting	520	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Calculated General Hardship Lighting Power Allowance per Table 160.7(d): 520
 Total General Hardship Allowance (Watts): 520

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-174 (Rev. 9/17)
 CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with requirements in §160.6, §160.7, §160.8, and §160.10(a) for outdoor lighting systems using the prescriptive path.
 Project Name: Standard 24x40 PC Report Page: Page 4 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

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

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This Section Does Not Apply

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

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

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

STATE OF CALIFORNIA
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 NRC-174 (Rev. 9/17)
 CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with requirements in §160.6, §160.7, §160.8, and §160.10(a) for outdoor lighting systems using the prescriptive path.
 Project Name: Standard 24x40 PC Report Page: Page 5 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <https://www.envirolex.com/99634/2015standards/2015standards>

Form/Title	Field Inspector Pass/Fail
<input checked="" type="checkbox"/> NRC-174-01-E - Must be submitted for all buildings.	<input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> NRC-174-02-E - Must be submitted for a lighting control system or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTC). For more information visit <https://www.envirolex.com/99634/2015standards/2015standards>

Form/Title	Field Inspector Pass/Fail
<input checked="" type="checkbox"/> NRC-174-03-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to §10 luminaires.	<input type="checkbox"/> <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-174 (Rev. 9/17)
 CERTIFICATE OF COMPLIANCE
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 Project Name: Standard 24x40 PC Report Page: Page 6 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 Documentation Author Name: Luis Esquivel
 Documentation Author Signature: Luis Esquivel
 Signature Date: 8/29/2018
 Company: Envirolex, Inc.
 Address: 4777 E. Carpenter Road Stockton, CA 95215
 City/State/Zip: Stockton, CA 95215
 Phone: (209) 466-8000

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible 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 Part 1 and Part 9 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 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 this builder provides to the building owner at occupancy.
 Responsible Designer Name: Luis Esquivel
 Responsible Designer Signature: Luis Esquivel
 Signature Date: 8/29/2018
 Company: Envirolex, Inc.
 Address: 4777 E. Carpenter Road Stockton, CA 95215
 City/State/Zip: Stockton, CA 95215
 Phone: (209) 466-8000

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL ENV-MM
 Project Name: Standard 24x40 PC Date: 8/29/2018

DESCRIPTION
 Building Envelope Measures:
 §110.6(a): Installed Insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for Insulating Material, Title 20 Chapter 4, Article 3.
 §110.6(b): All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2002 and 707 of Title 24, Part 2.
 §110.6(c): Heated slab floors shall be insulated according to the requirements in Table 110.6-A.
 §110.7(a): All exterior joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
 §110.8(a): Manufacturer's installation products and outdoor doors shall have air infiltration rates not exceeding 0.3 cfm/ft² of window area, 0.3 cfm/ft² of door area for residential doors, 0.3 cfm/ft² of door area for nonresidential single doors (residential and sliding), and 1.0 cfm/ft² for nonresidential double doors (swinging).
 §110.8(b): Penetration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
 §110.8(c): Penetration BHQD shall be rated in accordance with NFRC 200, or NFRC 100 for site-built penetration, or the applicable default BHQD.
 §110.8(d): Site Controlled Doors, Windows and Sliding Glass Doors shall be caulked between the unit and the building, and shall be weatherstripped (except for unit-mounted glass doors and fire doors). The opaque portions of the roof-ceiling that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows:
 §120.7(a): Metal Building - The weighted average U-factor of the roof assembly shall not exceed 0.098.
 Wood Framed and Others - The weighted average U-factor of the roof assembly shall not exceed 0.075. The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor as follows:
 Metal Building - The weighted average U-factor of the wall assembly shall not exceed 0.113.
 Metal Framed - The weighted average U-factor of the wall assembly shall not exceed 0.131.
 Light Mass Walls - A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.440.
 Heavy Mass Walls - An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.690.
 Wood Framed and Others - The weighted average U-factor of the wall assembly shall not exceed 0.110.
 Spandrel Panels and Opaque Curtain Walls - The weighted average U-factor of the spandrel panels and opaque curtain wall assembly shall not exceed 0.280.
 Demanding Walls - The opaque portions of framed demanding walls shall meet the requirements of Item A or B below:
 A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099.
 B. Metal framed walls shall be insulated to meet a U-factor not greater than 0.151.
 The opaque portions of floors and soffits that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows:
 §120.7(c): Raised Mass Floors - Shall have a minimum of 3 inches of lightweight concrete over a metal deck or the weighted average U-factor of the floor assembly shall not exceed 0.265.
 Other Floors - The weighted average U-factor of the floor assembly shall not exceed 0.071.

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-174 (Rev. 9/17)
 CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with requirements in §160.6, §160.7, §160.8, and §160.10(a) for outdoor lighting systems using the prescriptive path.
 Project Name: Standard 24x40 PC Report Page: Page 7 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

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

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-174 (Rev. 9/17)
 CERTIFICATE OF COMPLIANCE
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 Project Name: Standard 24x40 PC Report Page: Page 8 of 8
 Project Address: CZ 14 Date Prepared: 8/29/2018

APPROVED
 DIVISION OF STATE ARCHITECT
 HIGH PERFORMANCE SECTION
 APP # 02-116894 DATE 9-30-18

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 02-116894
 AC - FLS - SS - BDF
 DATE 9-6-2018

PRE-CHECK (PC) DOCUMENT
 Code: 2016 CBC
 A separate project application for construction is required.

CA Building Energy Efficiency Standards - 2015 Nonresidential Compliance: <http://www.energy.ca.gov/99634/2015standards> September 2017

CYS
 STRUCTURAL ENGINEERS, INC.
 05-13-2019
 REGISTERED PROFESSIONAL ENGINEER
 No. S2030
 THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

ENVIROPLEX, INC.
 4777 E. CARPENTER ROAD STOCKTON, CA. 95215, (209) 466-8000

ENERGY COMPLIANCE CLIMATE ZONES 1-16

REV / DATE: BY:

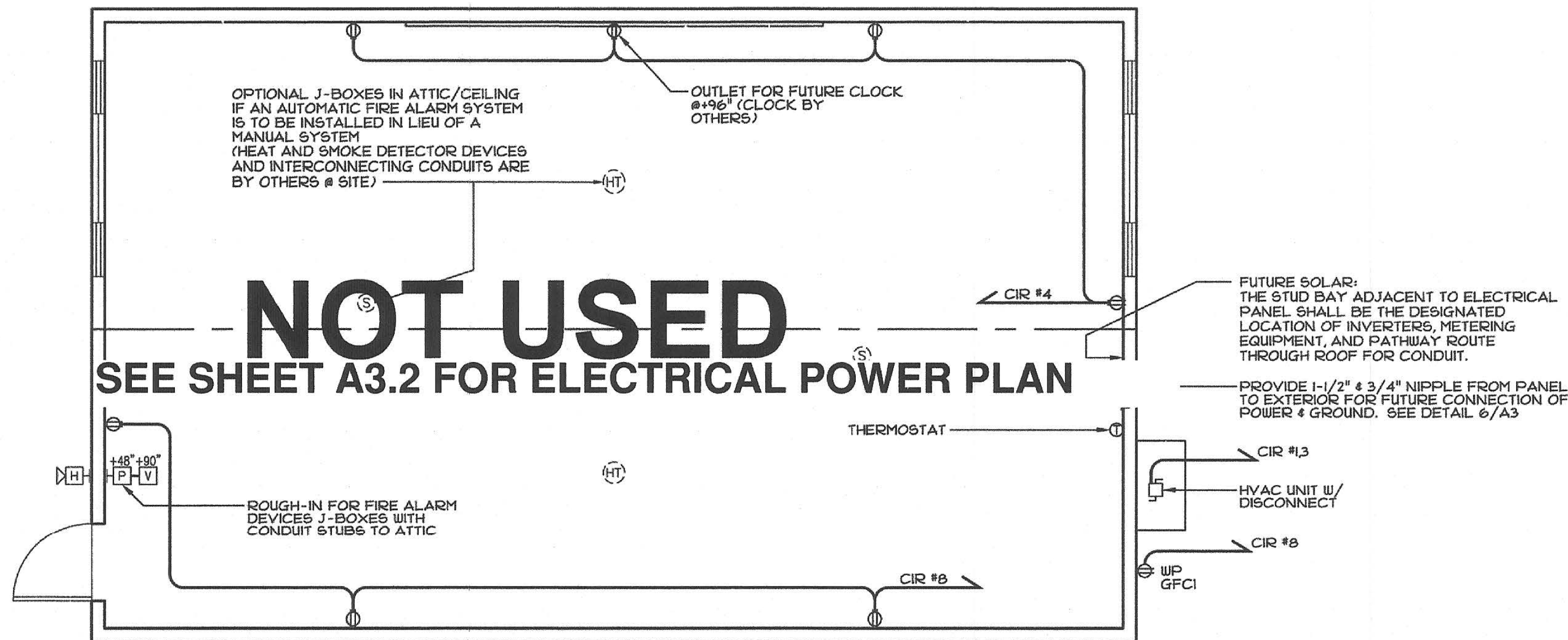
JOB No.:
 DRAWN BY:
 DATE:

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 02-116894
 AC - FLS - SS - BDF
 DATE 9-6-2018

PRE-CHECK (PC) DOCUMENT
 Code: 2016 CBC
 A separate project application for construction is required.

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EN4
 24x40-TC 120x40-PC



NOT USED
SEE SHEET A3.2 FOR ELECTRICAL POWER PLAN

1

ELECTRICAL POWER & SIGNAL PLAN

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

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 907.2.3 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.
4. ALARMS/EMERGENCY WARNING SYSTEMS/ACCESSIBILITY. IF EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE ALARMS EMERGENCY VOICE ALARM COMMUNICATION SYSTEM AND VISUAL ALARMS COMPLYING WITH NFPA 72 AND CHAPTER 9, SECTIONS 907.5.2, 907.5.2.1 AND 907.5.2.2 (AND EMERGENCY VOICE ALARM COMMUNICATION SYSTEM)

2 FIRE PROTECTION

- ⊖ DUPLEX RECEPTACLE #115" MIN. A.F.F. (TO BOTTOM OF BOX) OR 18" A.F.F. TO CENTERLINE OF BOX. (UNLESS OTHERWISE NOTED)
- ⓪ PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT #48" MAX. A.F.F. (TO TOP OF BOX)
- Ⓛ JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
- Ⓜ WATER PROOF BELL BOX UNDER EAVE #19'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
- Ⓜ JUNCTION BOX #48" A.F.F. (TO TOP OF BOX) FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- Ⓜ JUNCTION BOX #90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- Ⓜ JUNCTION BOX #48" A.F.F. (TO TOP OF BOX) (U.O.N.) FOR FUTURE INTERCOM
- Ⓜ CEILING MOUNT EXHAUST FAN (CFM PER SHEET A2)
- Ⓜ OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- Ⓜ OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- Ⓜ OPTIONAL WATER PROOF BELL BOX UNDER EAVE #19'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE (SPEAKER) WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION

1. OPTIONAL SURFACE MOUNT WALL CLOCK (BY OWNERS) : PROVIDE SINGLE CLOCK RECEPTACLE 115 VAC (OR EQUAL) .
2. ELECTRICAL PANEL: FLUSH INTERIOR MOUNTED OR SURFACE MOUNT EXTERIOR W/ HINGED DOORS AND INDEXED CARD HOLDERS. CIRCUIT BREAKER (S) WILL HAVE AN APPROPRIATE UL LABEL LISTING.
3. RECEPTACLES: "LEVITON", "HUBBEL" (OR EQUAL)
4. ELECTRIC METALLIC TUBING: COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
5. CONDUCTORS: COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.
6. SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.

3 ELECTRICAL SPECIFICATIONS

PANEL SCHEDULE: "A"
MOUNTING: FLUSH INT. NEMA-1 VOLTAGE: 120/240
PANEL: 125A PHASE: 1ϕ
MAIN BREAKER: 125A WIRE: 3W

DESCRIPTION	LOAD	BRKR	MAIN 125A		BRKR	LOAD	DESCRIPTION
			A	B			
HVAC UNIT	1360	20	1	2	20	1440	LIGHTING -A
	1360	2	3	4	20	120	OUTLETS
		5	6	20	180		W/P GFCI
		7	8	20	1	540	OUTLETS
		9	10				
		13	4				
		15	16				
		17	18				
		19	20				
		21	22				FUTURE SOLAR ELEC. *
		23	24				

LEG A: 8980 W
LEG B: 8620 W TOTAL: 17600 W AMP@: 13.3

* RESERVED SPACE FOR FUTURE SOLAR ELECTRIC SHALL BE PERMANENTLY MARKED.

7 TYPICAL PANEL SCHEDULE

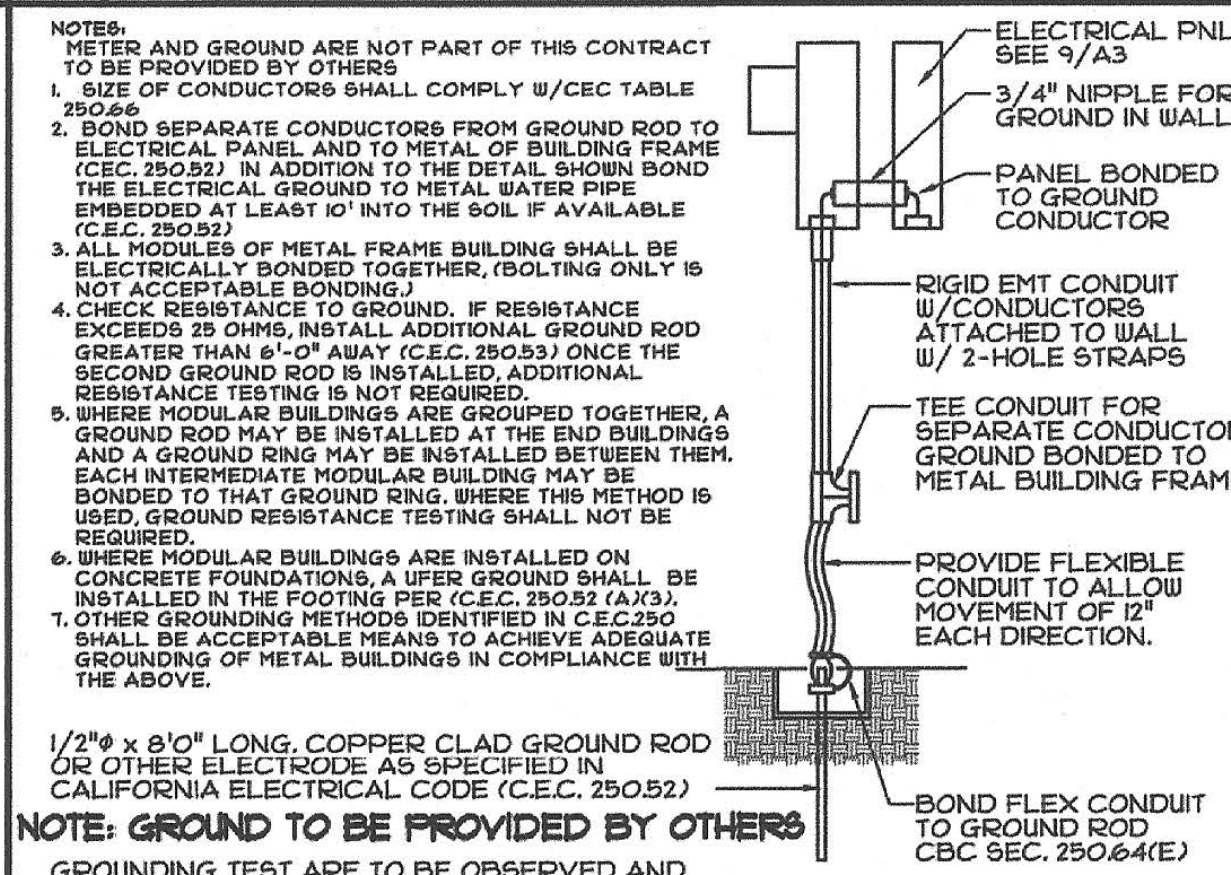
DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC FLS SS SDF
DATE 5/16/2019

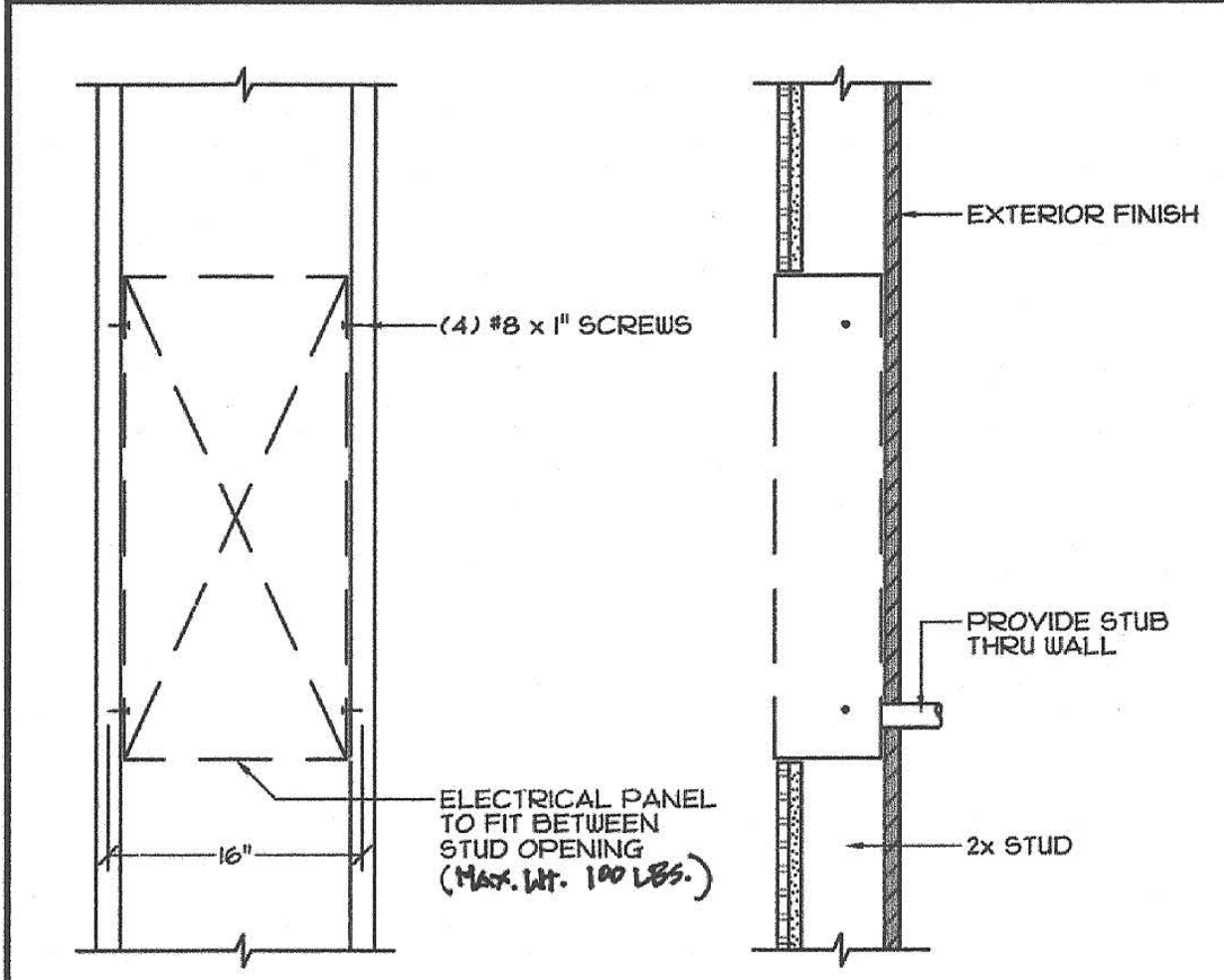
PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

8

4 ELECTRICAL LEGEND

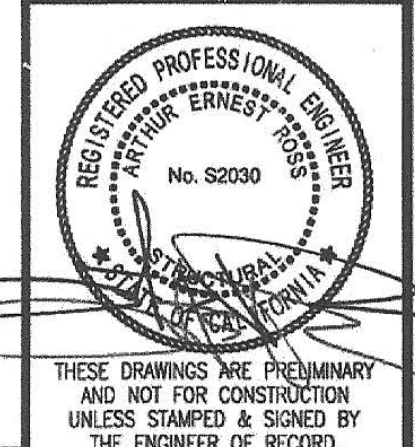


6 ELECTRICAL GROUND

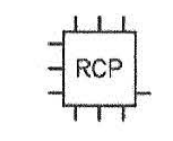


9 ELECTRICAL PANEL INSTALLATION

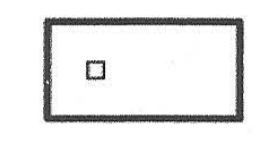
SCALE: 1/4"=1'-0"



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DATE:	
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RELAY CONTROLLER PANEL:
NEMA 1 PLENUM RATED, SURFACE MOUNTED DIMMING PANEL (RELAYS, DIMMING OUTPUTS, PHOTOCELL INPUTS, 4 DRY CONTACT INPUTS).



LIGHT FIXTURE:
2'x4' LED RECESSED TROFFER TYPE



OCCUPANCY SENSOR:
LOW VOLTAGE, CEILING MOUNTED, OPTIONAL - WALL MOUNTED.



PHOTOSENSOR:
LOW VOLTAGE, INTERIOR, CEILING MOUNTED, OPTIONAL - INTEGRAL IN LIGHT FIXTURE



DIMMING SWITCH:
LOW VOLTAGE, TWO BUTTON, DIGITAL SWITCH W/ MANUAL ON/OFF & DIMMING CONTROL. (#148" MAX A.F.F. TO TOP OF BOX).



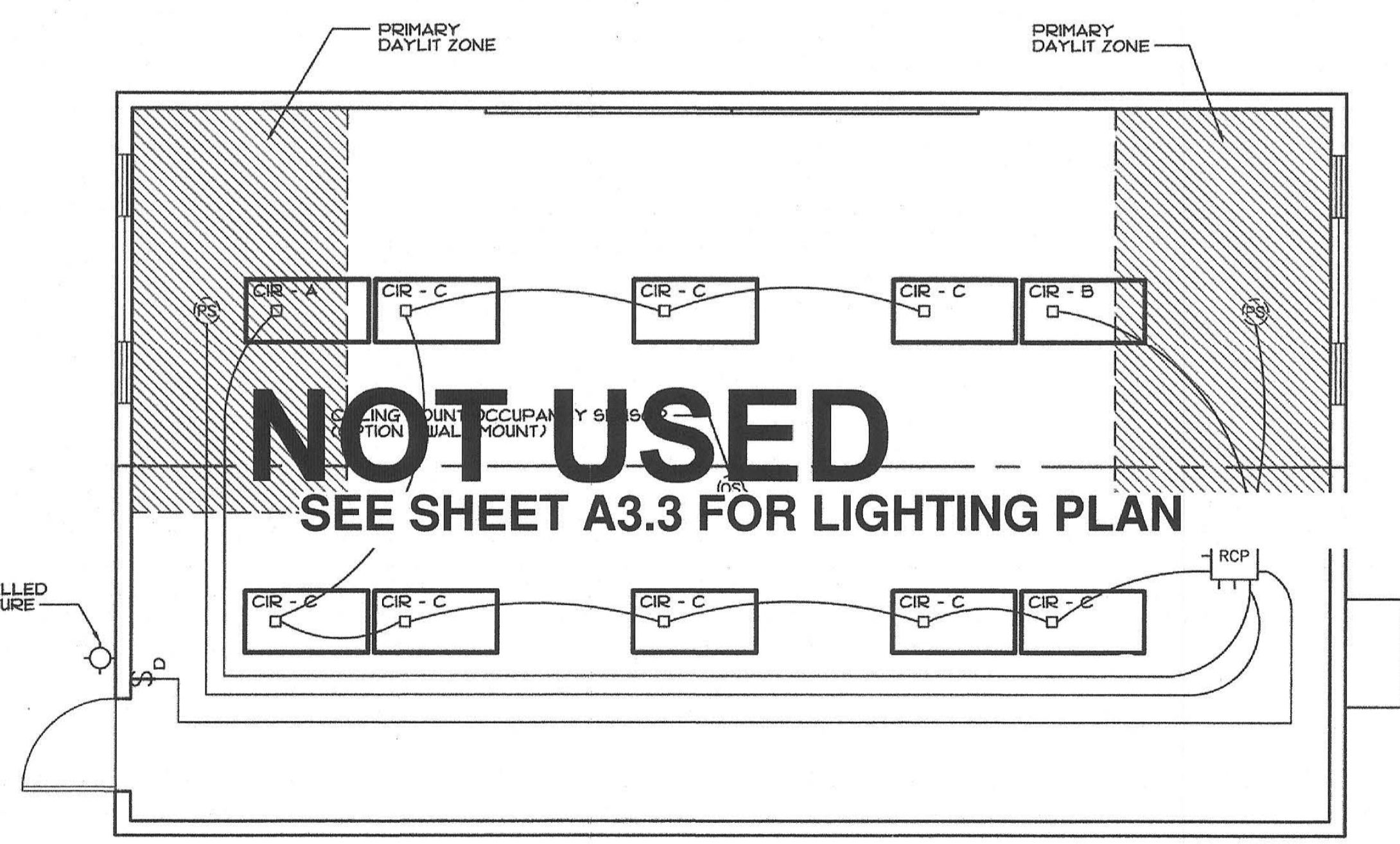
EXTERIOR LIGHT:
COMPACT FLUORESCENT, 13 WATT, WALL PACK. "LITHONIA" TUB (OR EQUAL) MOUNTED @ 196" A.F.F. (U.O.N.)

1. LIGHTING FIXTURE:
2' x 4' LED RECESSED TROFFER TYPE FIXTURES, W/ LOW VOLTAGE DIMMING CONTROL SIGNAL, MAXIMUM 8000 LUMENS, MAX 69W. "LITHONIA" 2GTL (OR EQUAL) .
2. DAYLIGHT CONTROL PHOTOCELL:
ON/OFF AND AUTOMATIC DIMMING CONTROL, CEILING MOUNT, LOW VOLTAGE. "LIGHT" nCM ADC OR nCM ADCX (OR EQUAL) .
3. LIGHT SWITCHES:
ON/OFF & ON/OFF PLUS DIMMING, PUSH BUTTON, LOW VOLTAGE. "LIGHT" nCM ADC OR nCM ADCX (OR EQUAL) .
4. OCCUPANCY SENSOR:
LOW VOLTAGE, WALL MOUNT OR CEILING MOUNT.
5. RELAY CONTROL PANEL:
RELAY DIMMING PANEL, NEMA 1 PLENUM RATED, SURFACE MOUNTED. W/ 30A RELAYS, LOW VOLTAGE DIMMING OUTPUTS, PHOTOCELL OUTPUTS, DRY CONTACT INPUTS, AND OPTIONAL VOLTAGE BARRIER FOR EM CIRCUITS. "ACUTY BRANDS" (OR EQUAL)
6. ILLUMINATED EXIT SIGNS:
IF REQUIRED BY CODE, SHALL BE PROVIDED IN COMPLIANCE W/ C.B.C. 1013.
7. MEANS OF EGRESS ILLUMINATION:
WHERE 2 OR MORE EXITS ARE REQUIRED, SUCH EXITS SHALL HAVE INTERIOR AND EXTERIOR LANDINGS ILLUMINATED BY FIXTURES CAPABLE OF AUTOMATIC EMERGENCY POWER OF NOT LESS THAN 90 MINUTES. (INCLUDES AISLES, UNENCLOSED STAIRWAYS, CORRIDORS, EXTERIOR EGRESS COMPONENTS AT OTHER THAN LEVEL OF DISCHARGE, LABS, SHOPS, AND WINDOWLESS AREAS WITH STUDENT OCCUPANCY). SWITCHING OF EGRESS LIGHTING SHALL NOT BE ACCESSIBLE TO UNAUTHORIZED PERSONNEL PER C.B.C. 1008.
8. SKYLIGHTS (IF OPTION IS INCLUDED IN SITE SPECIFIC PROJECT) : GENERAL LIGHTING FIXTURES PLACED IN THE PRIMARY DAYLIT ZONE OF SKYLIGHTS SHALL BE CONTROLLED IN RESPONSE TO AVAILABLE DAYLIGHTING. REFER TO SHEET A5.1 FOR SKYLIGHT FRAMING AND DETAILS.
9. ACCESSIBLE, INDEPENDENT SWITCHING OR A CONTROL DEVICE SHALL BE INCLUDED FOR ALL AREAS ENCLOSED BY CEILING HEIGHT PARTITIONS.
10. ALL OUTDOOR LIGHTING SHALL BE CONTROLLED BY A PHOTOCELL OR OUTDOOR ASTRONOMICAL TIME SWITCH CONTROL.
11. FOR NON-POLE MOUNTED LUMINAIRES OVER 30 WATTS EACH: OUTDOOR LIGHTING WHERE BOTTOM OF LUMINAIRE IS MOUNTED 24 FEET OR LESS ABOVE THE GROUND SHALL BE CONTROLLED BY MOTION SENSORS OR OTHER CONTROLS CAPABLE OF REDUCING THE LIGHTING POWER OF EACH LUMINAIRE BY 40 TO 80% IN RESPONSE TO THE AREA BEING VACATED.

4 LIGHTING LEGEND

5 LIGHTING SPECIFICATIONS

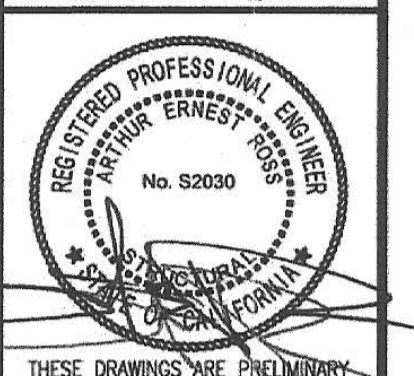
1



NOTES:
1) NO ALTERATIONS (DRILLING HOLES, ETC.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.
2) IF SKYLIGHTS ARE PROVIDED IN THE SITE SPECIFIC PROJECT, NEW BUILDING ANALYSIS ENERGY REPORTS AND REVISED LIGHTING PLANS WILL BE REQUIRED TO BE SUBMITTED WITH THE SITE SPECIFIC APPLICATION PRIOR TO RECEIVING APPROVAL BY DSA.

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

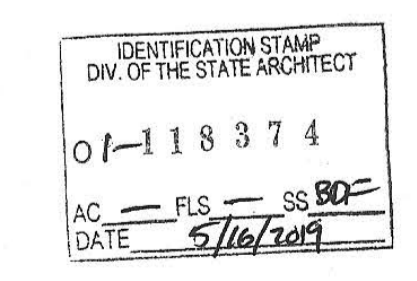
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LIGHTING PLAN & NOTES

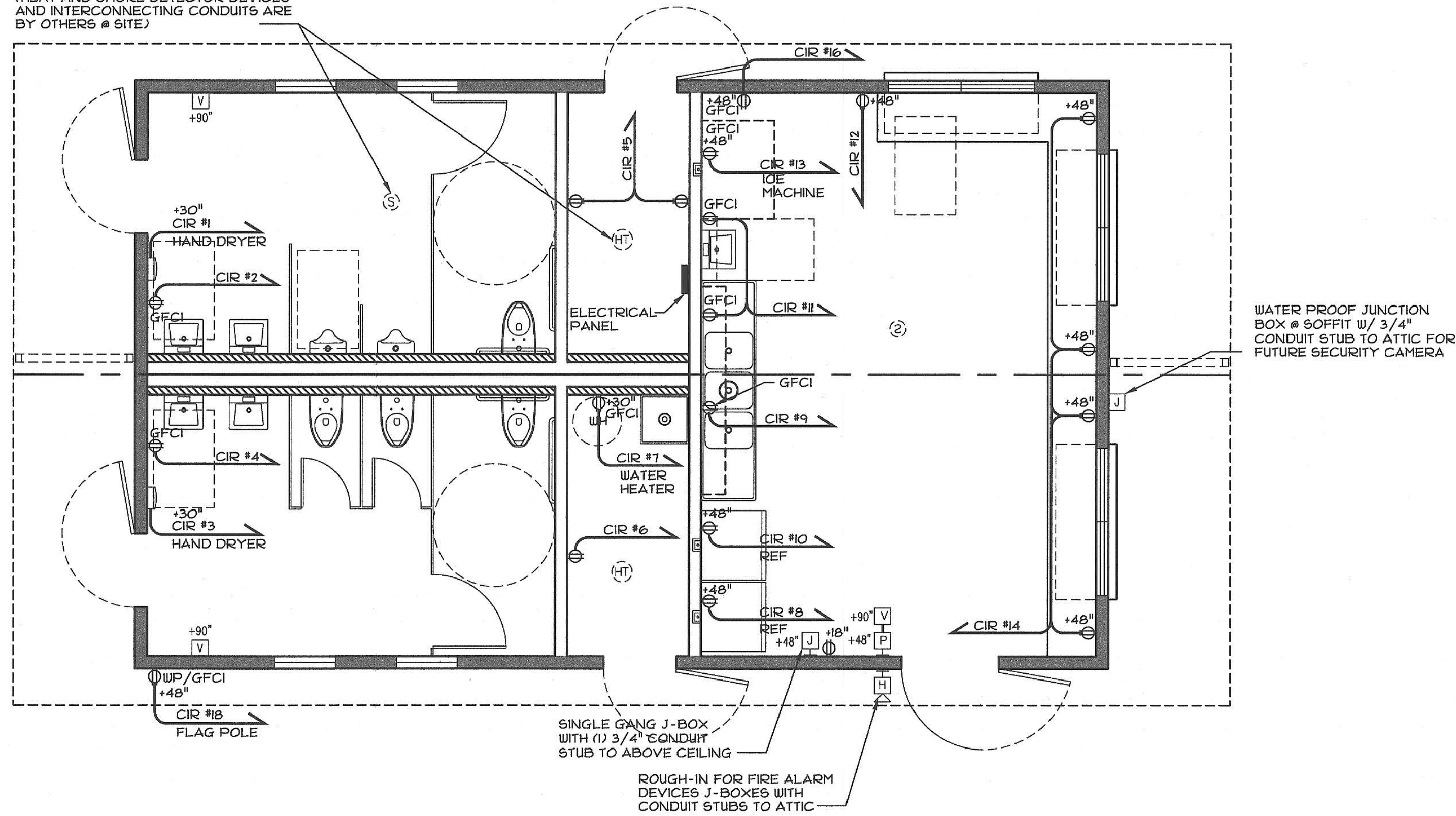
DIVISION OF THE STATE ARCHITECT



PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

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JOB No.:	
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DATE:	
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT	
02-116094	
AC, FLS, SS, DATE 9-6-2018	

J-BOXES IN ATTIC/CEILING IF AN AUTOMATIC FIRE ALARM SYSTEM IS TO BE INSTALLED IN LIEU OF A MANUAL SYSTEM (HEAT AND SMOKE DETECTOR DEVICES AND INTERCONNECTING CONDUITS ARE BY OTHERS @ SITE)



WATER PROOF JUNCTION BOX @ SOFFIT W/ 3/4\" CONDUIT STUB TO ATTIC FOR FUTURE SECURITY CAMERA

SINGLE GANG J-BOX WITH (1) 3/4\" CONDUIT STUB TO ABOVE CEILING
ROUGH-IN FOR FIRE ALARM DEVICES J-BOXES WITH CONDUIT STUBS TO ATTIC

1

ELECTRICAL POWER & SIGNAL PLAN
SCALE: 1/4\"=1'-0\"

PANEL SCHEDULE: "A"
MOUNTING: FLUSH INT. NEMA-1 VOLTS: 120/240
FANEL: 125A PHASE: 1φ
MAIN BREAKER: 125A WIRE: 3W

DESCRIPTION	LOAD	BRKR	125A		BRKR	LOAD	DESCRIPTION
			A	B			
HAND DRYER	2100	20	1		2	180	LIGHTING
HAND DRYER	2100	20	3		4	180	LIGHTING
OUTLETS	360	20	5		6	180	OUTLETS
WATER HEATER	1650	20	7		8	900	OUTLETS
OUTLETS	180	20	9		10	900	OUTLETS
OUTLETS	360	20	11		12	180	OUTLETS
ICE MACHINE	900	20	13		14	540	OUTLETS
			15		16	180	OUTLETS
			17		18	180	WP/GFCI
			19		20		
			21		22		
			23		24		

LEG A: 5,520 W
LEG B: 5,550 W TOTAL: 11,070 W AMPS: 46.1

* SPACE SHALL BE PERMANENTLY MARKED.

7 PANEL SCHEDULE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC: RLS, WSS, JDF
DATE: 5/10/19

ELECTRICAL POWER PLAN,
SIGNAL PLAN,

REV / DATE: BY:
JOB No.: 19-000
DRAWN BY: RS
DATE: 05/10/19

8

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A3.2

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 466-8000

NEW RELOCATABLE BUILDING AT
PIEDMONT HILLS HIGH SCHOOL
EAST SIDE UNION HIGH SCHOOL DISTRICT

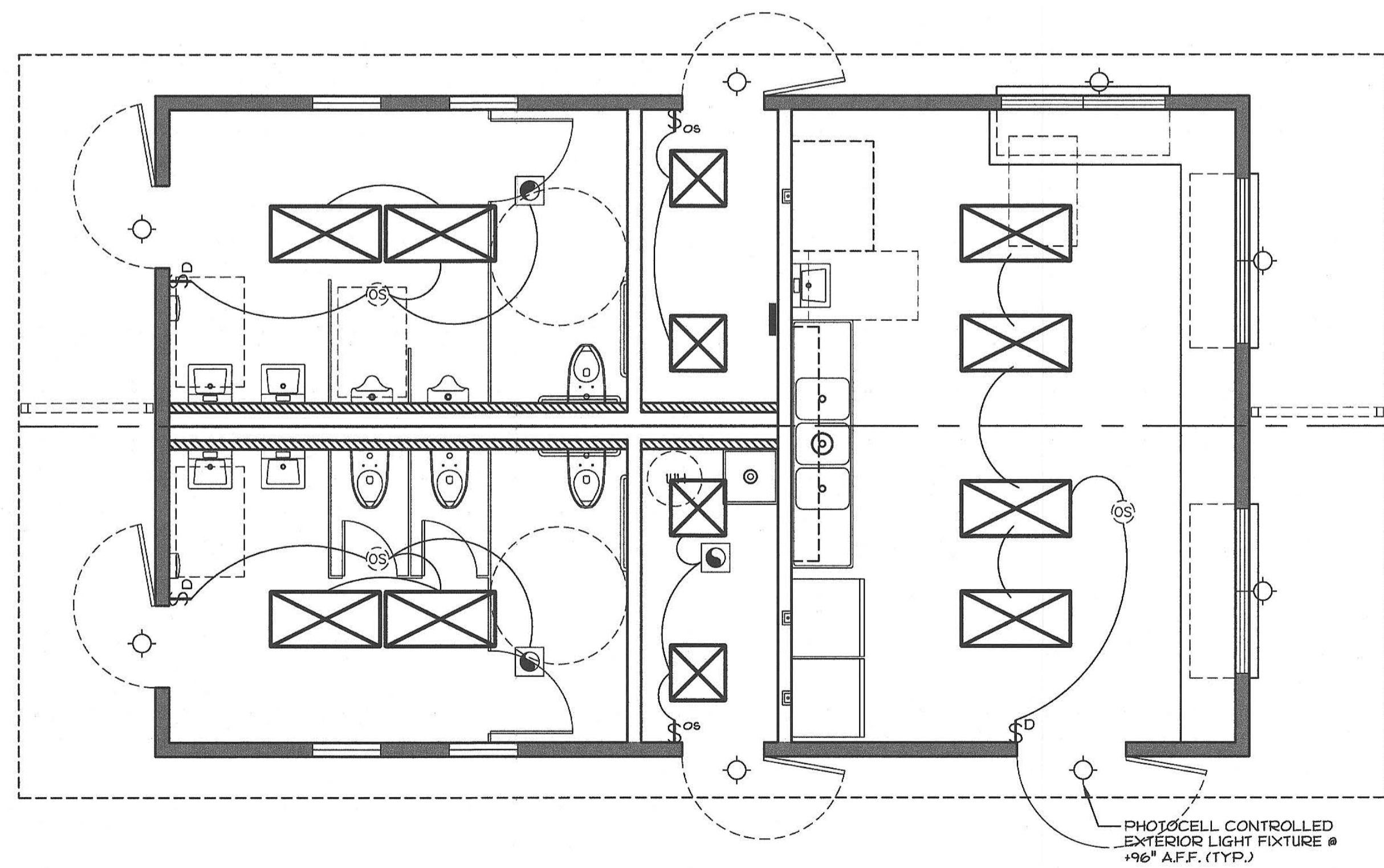
CYS
STRUCTURAL ENGINEERS INC.
1995 Natomas Park Drive, Suite 600
(916) 960-9000 (916) 960-1546 Fax
www.cyseng.com

05-13-2019



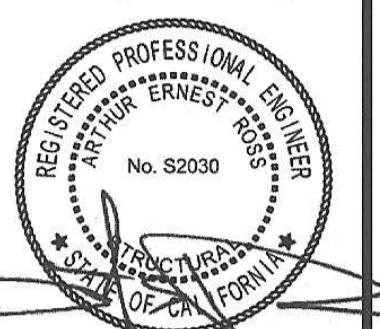
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1



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

8



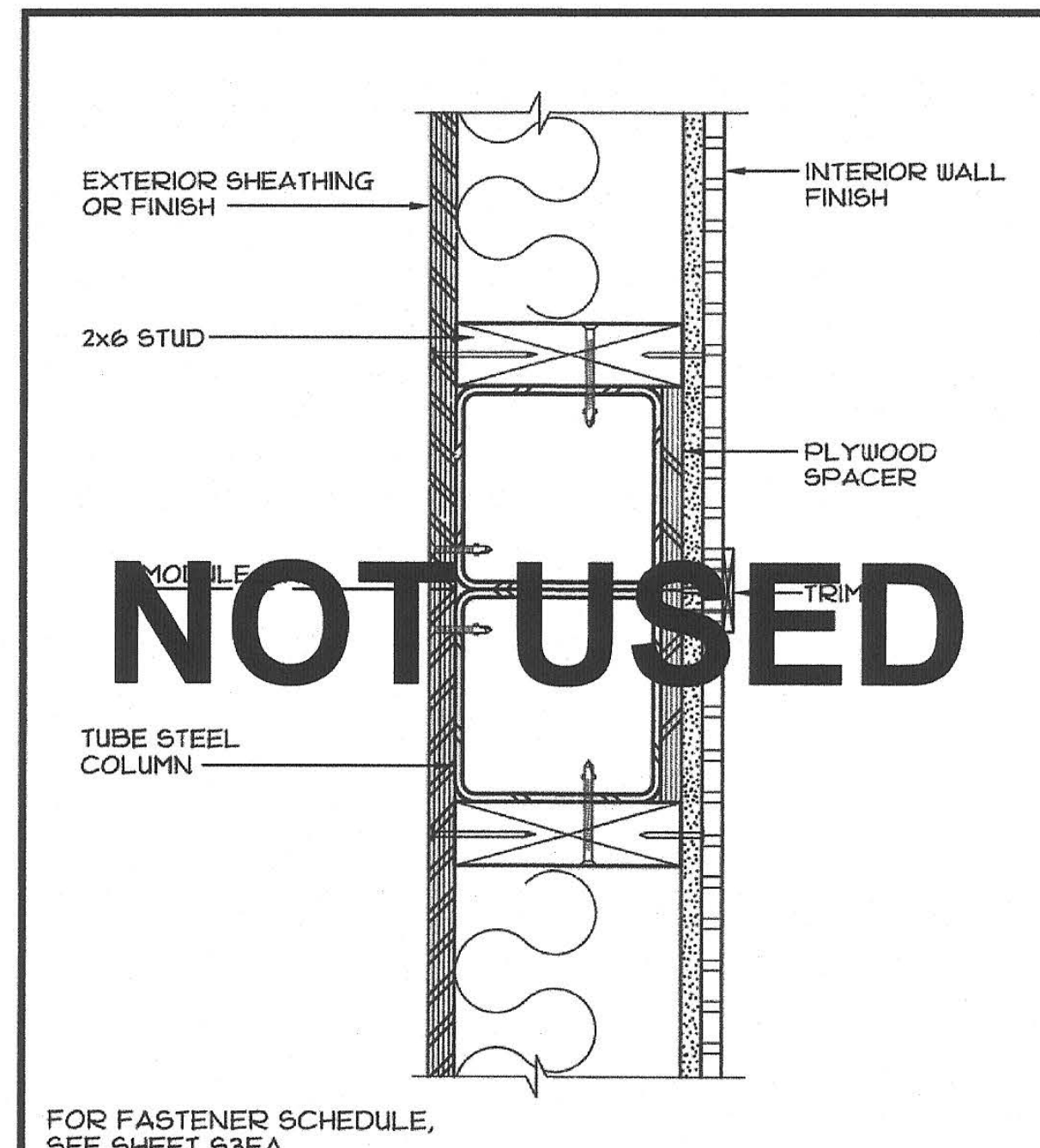
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LIGHTING PLAN

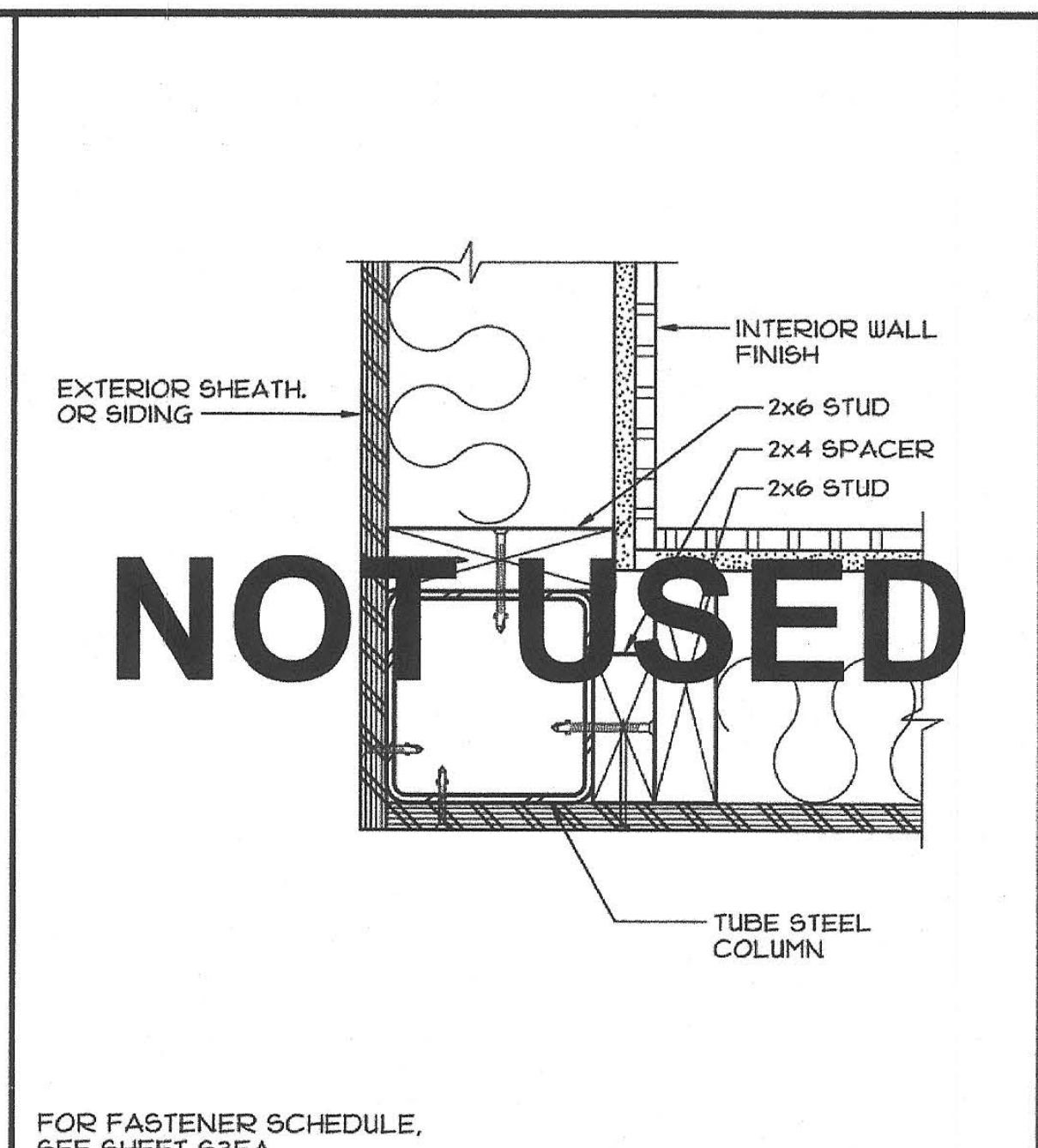
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC [Signature]
DATE 5/16/2019

REV / DATE:	BY:
JOB No.:	19-000
DRAWN BY:	RS
DATE:	05/10/19

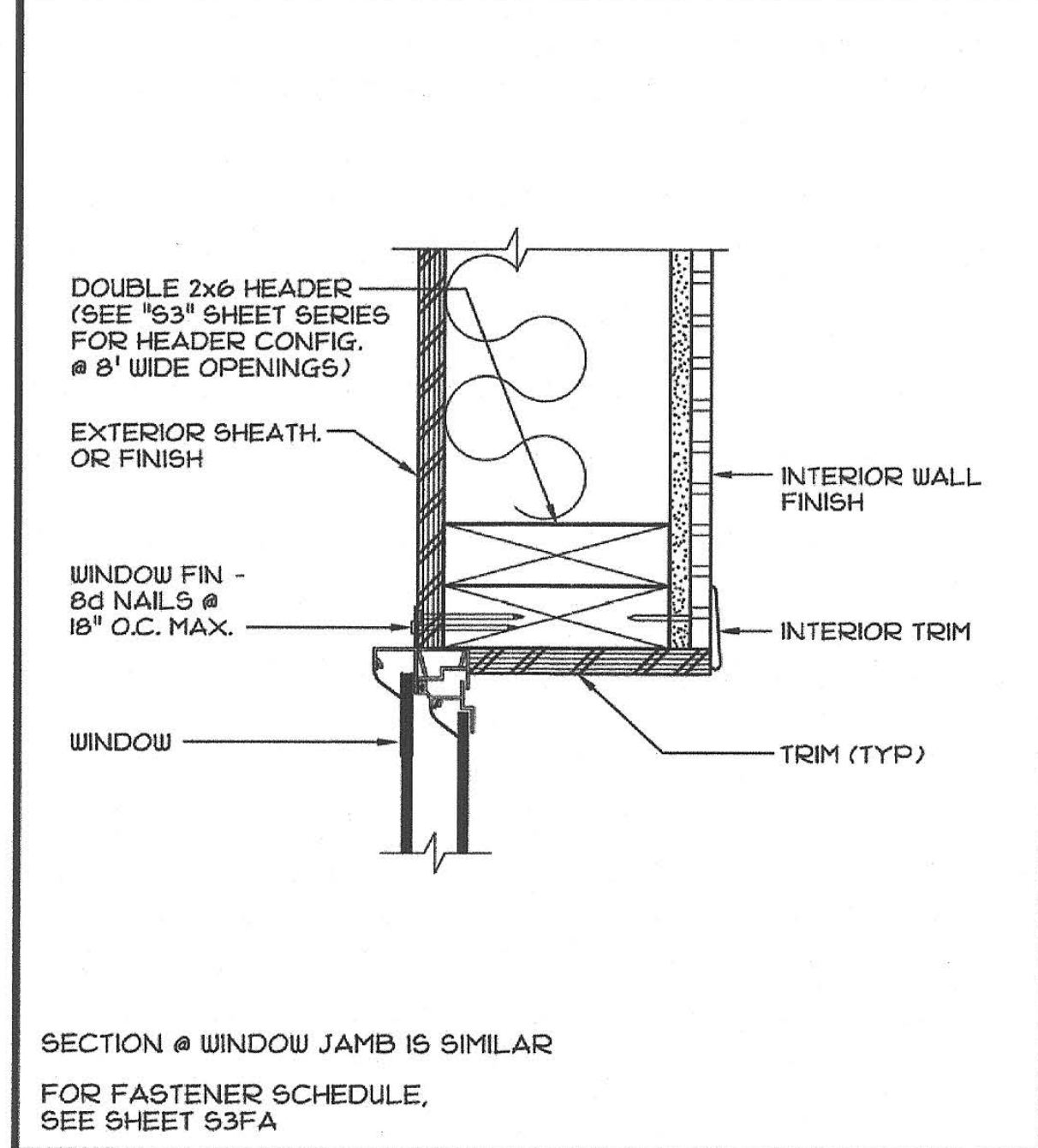
A3.3



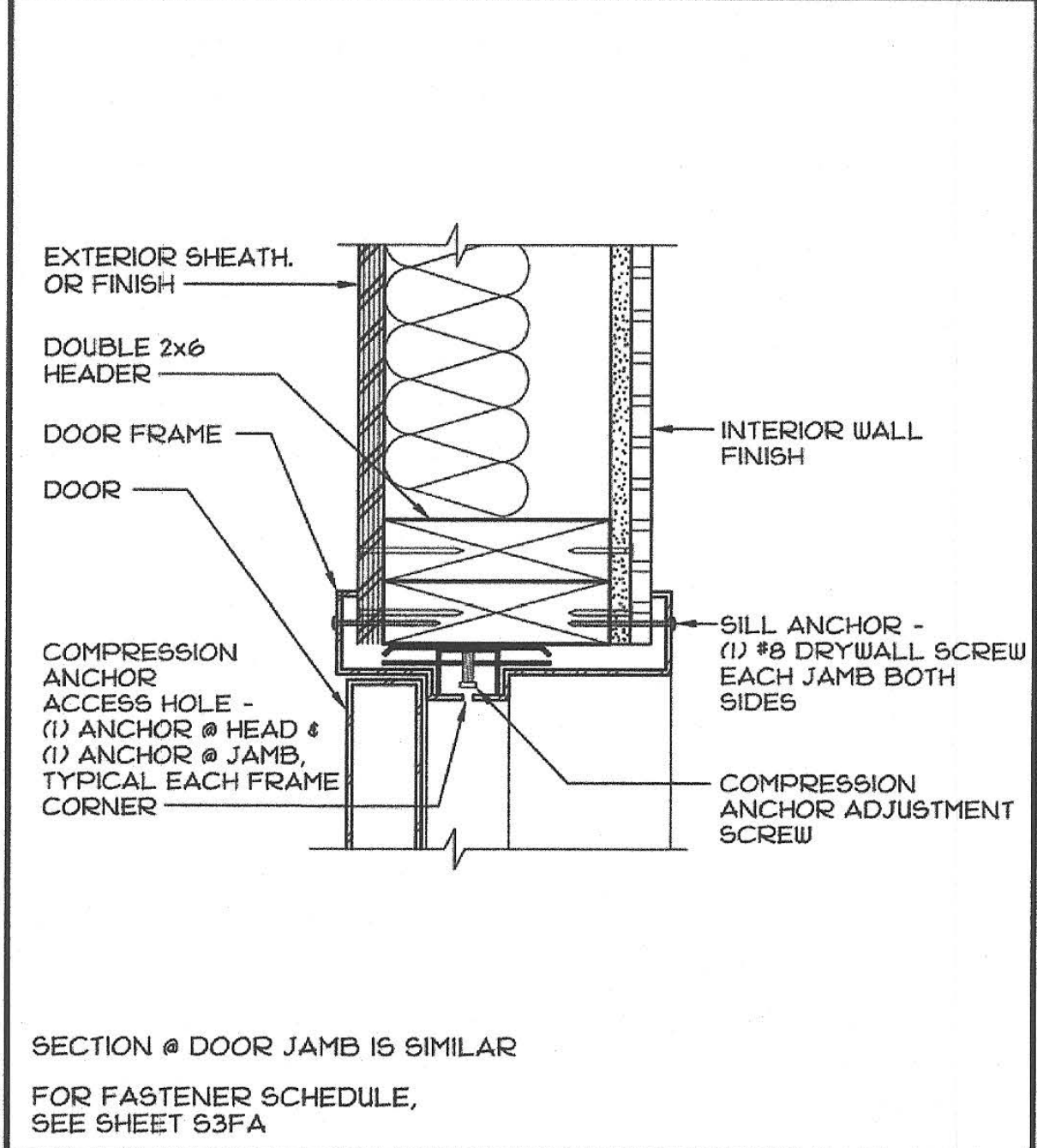
1 SECTION - 5x5 COLUMN @ MOD. LINE
SCALE: 3/4"=1'-0"



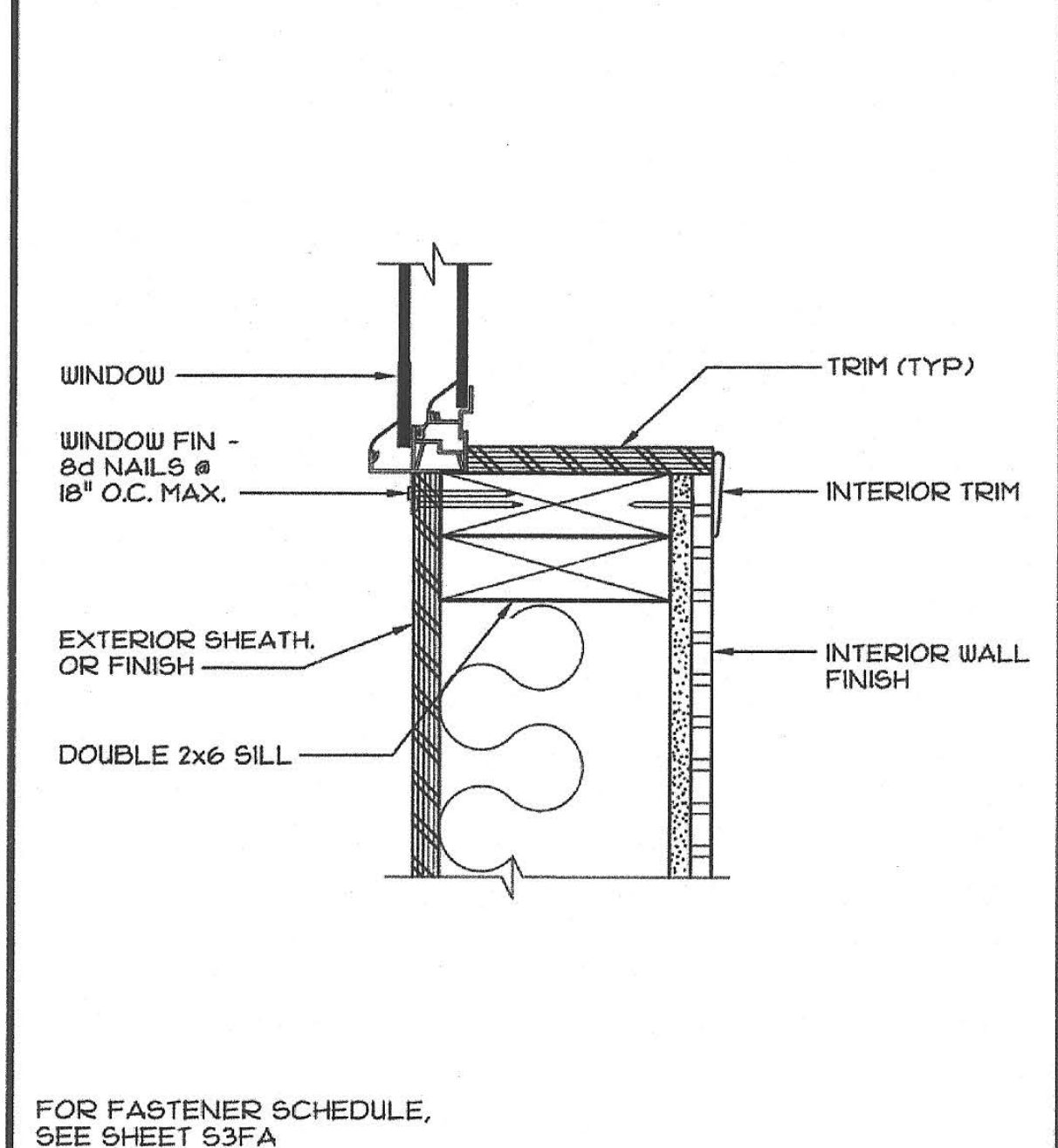
2 SECTION - 5x5 COLUMN @ CORNER
SCALE: 3/4"=1'-0"



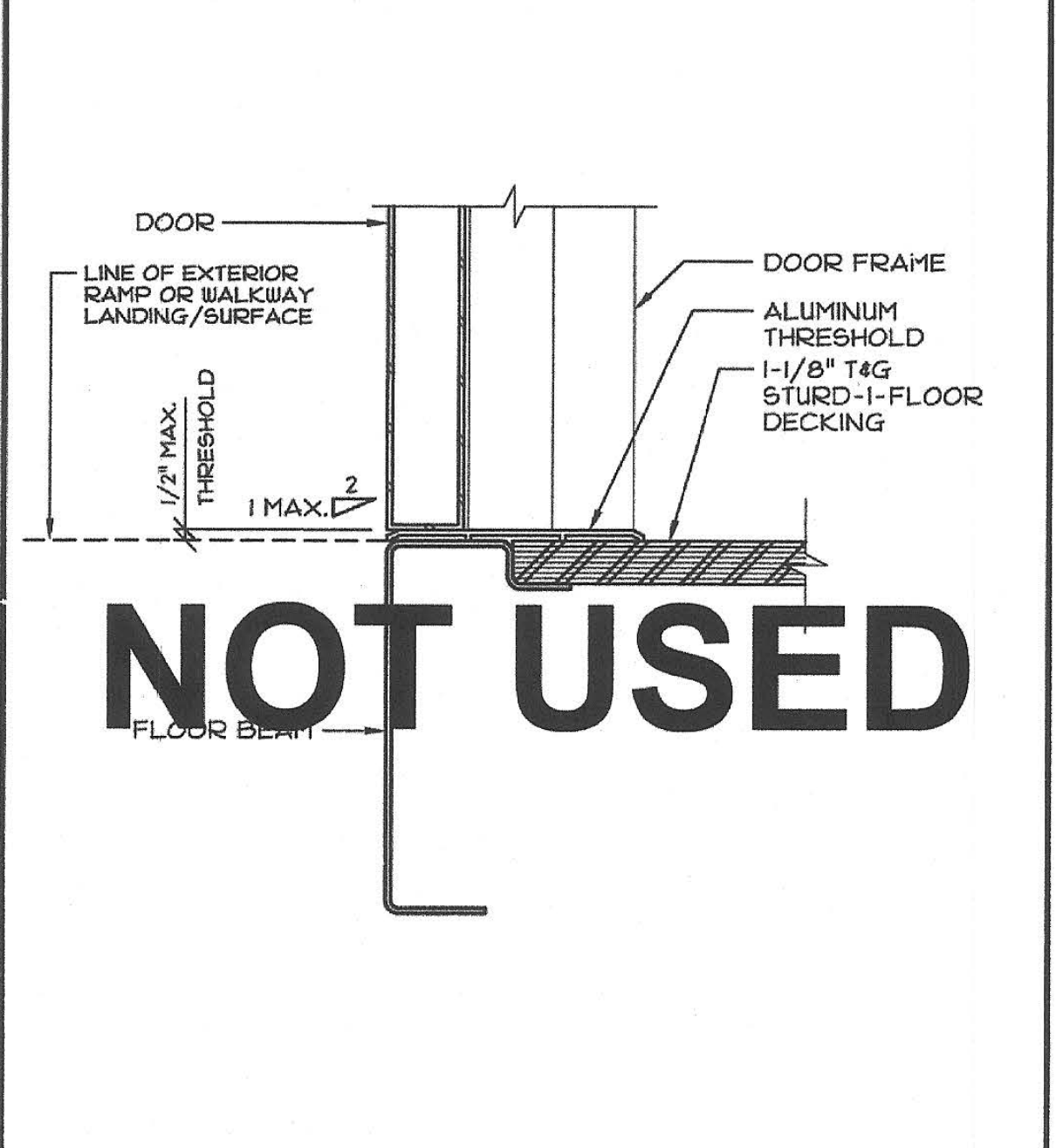
3 SECTION - WINDOW HEADER
SCALE: 3/4"=1'-0"



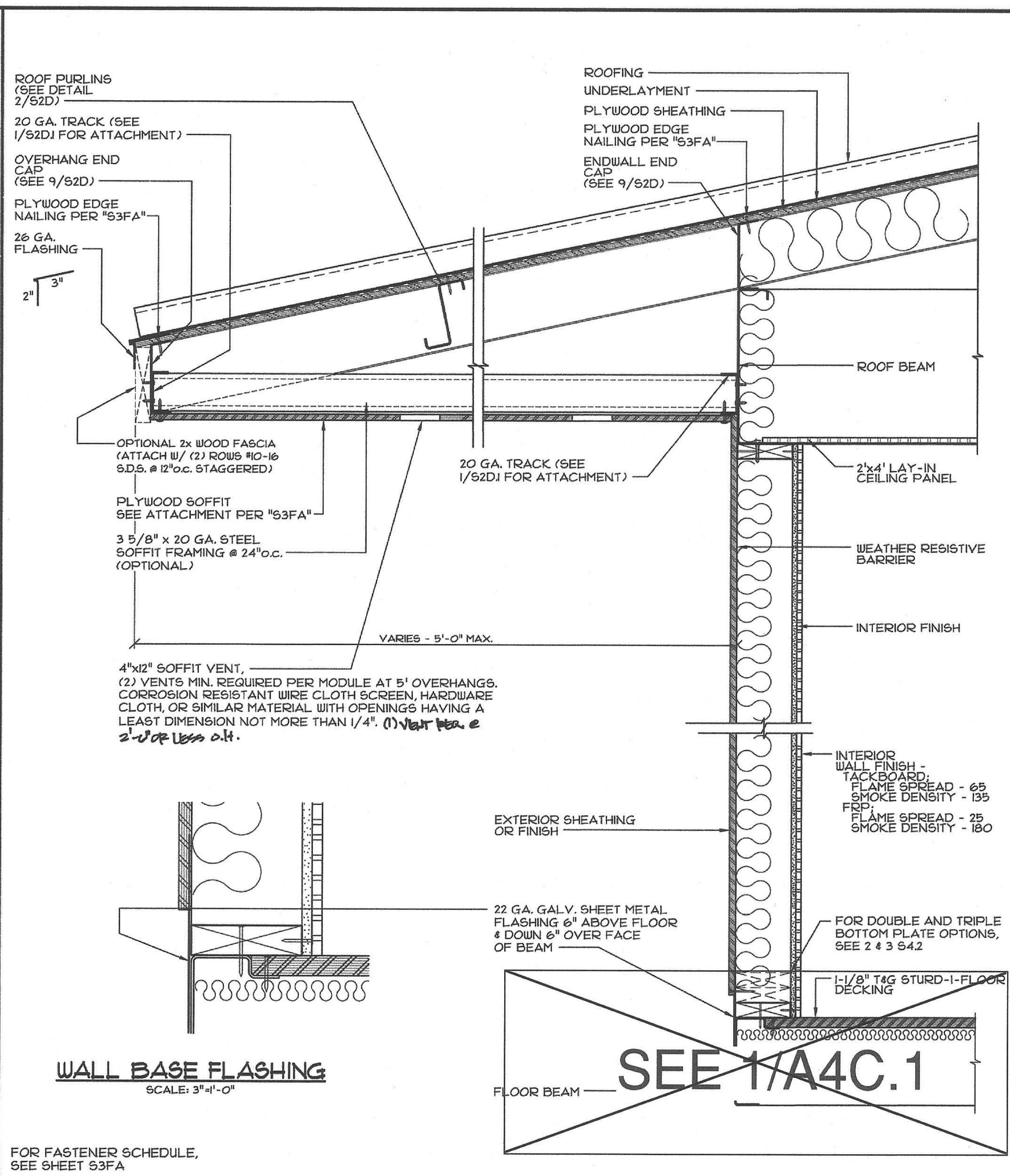
4 SECTION - DOOR HEADER
SCALE: 3/4"=1'-0"



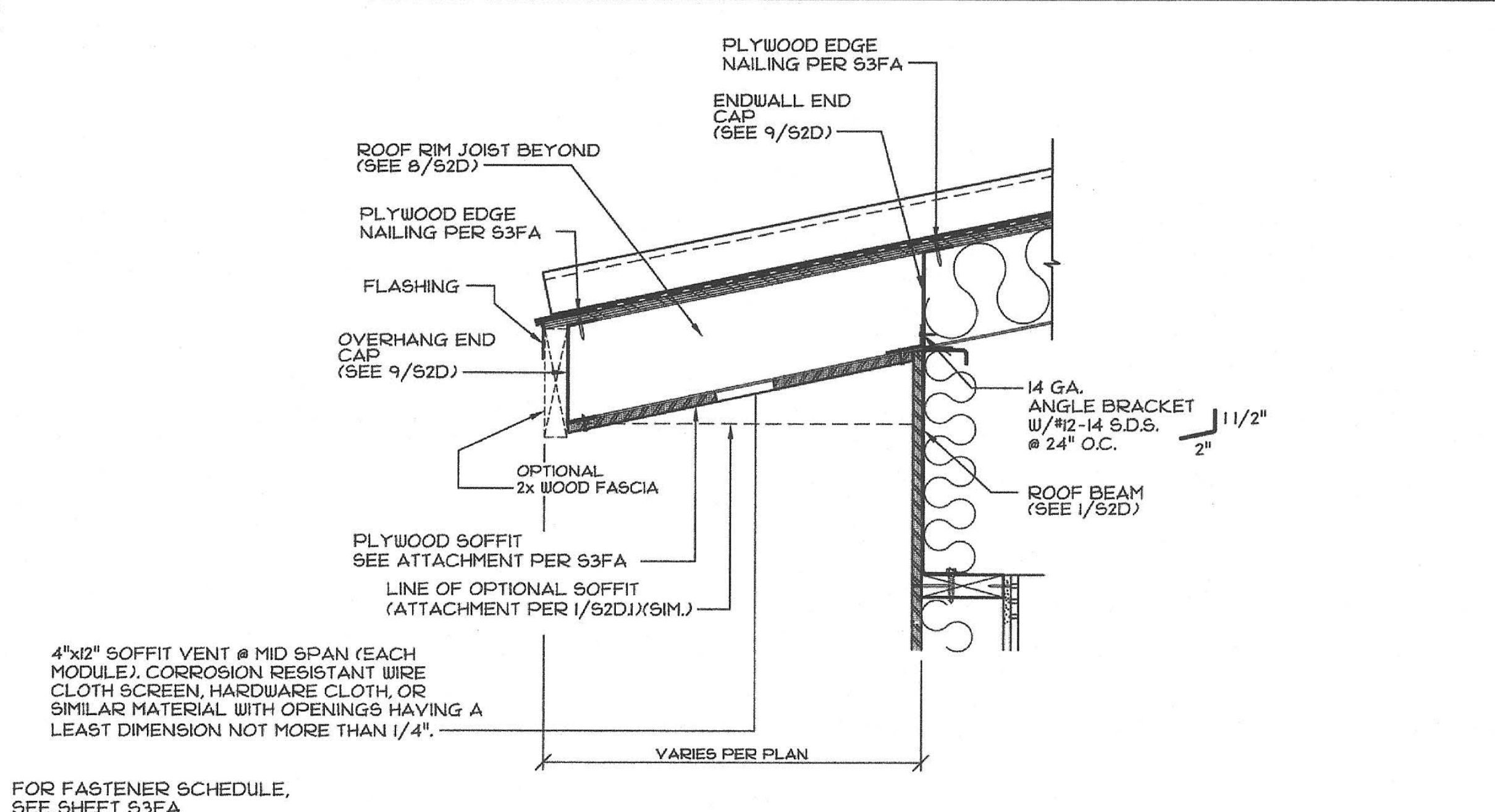
5 SECTION - WINDOW SILL
SCALE: 3/4"=1'-0"



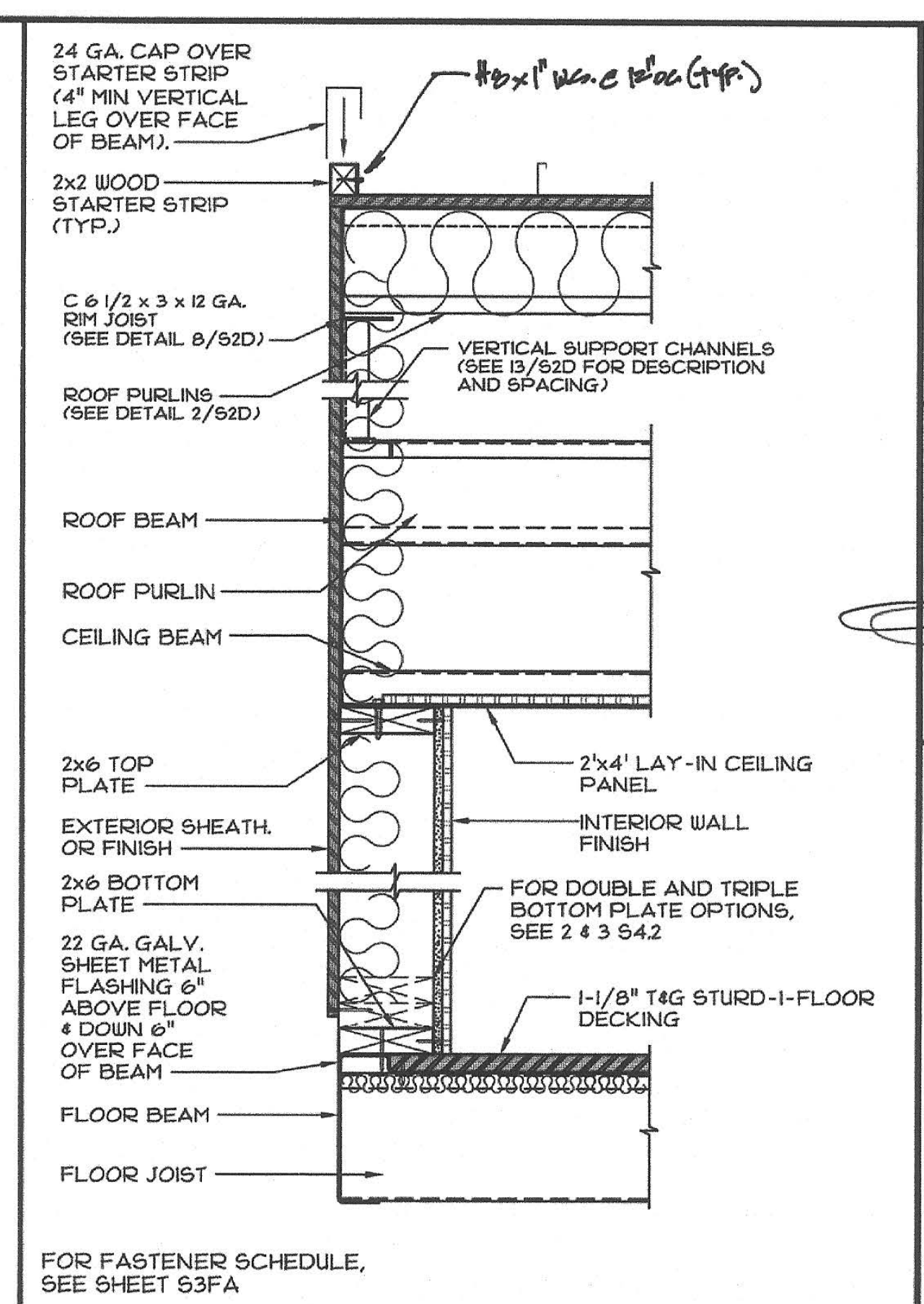
6 SECTION - DOOR THRESHOLD
SCALE: 3/4"=1'-0"



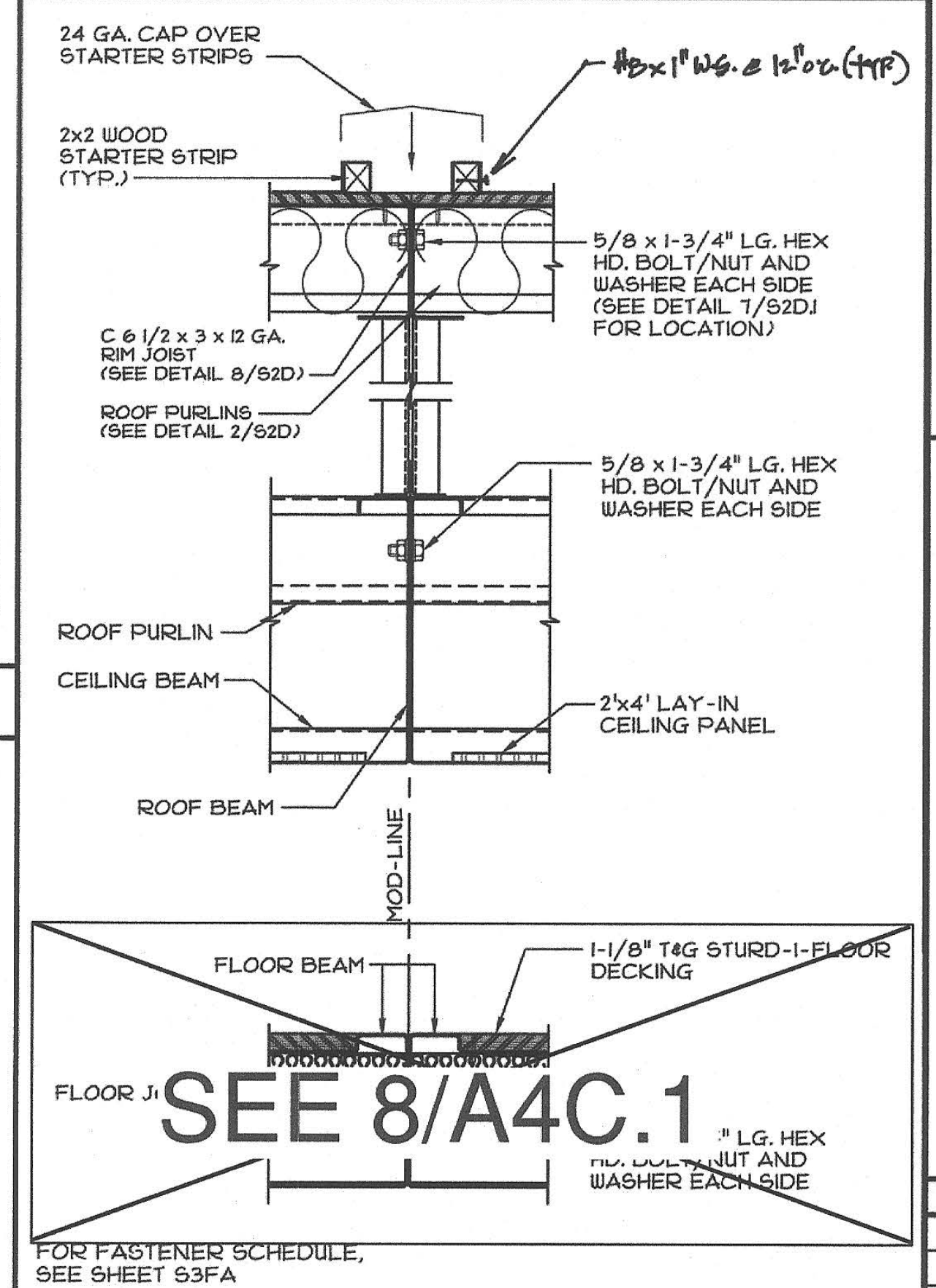
7 SECTION - FRONT OVERHANG
SCALE: 1/2"=1'-0"



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



9 SECTION - @ SIDEWALL
SCALE: 1/2"=1'-0"



10 SECTION - @ MODULE LINE
SCALE: 1/2"=1'-0"

NOTE: ALL EXTERIOR WALL SHEATHING/SIDING SHALL BE INSTALLED OVER CLASS I OR II VAPOR BARRIER.

IDENTIFICATION STAMP
01-118374
AC - FLS - SS
DATE: 7/16/2019

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
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CYS STRUCTURAL ENGINEERS INC.
4400 Natomas Park Drive, Suite 400
Sacramento, CA 95833
(916) 946-1000
www.cyseng.com

05-13-2019

REGISTERED PROFESSIONAL ENGINEER
No. S20090

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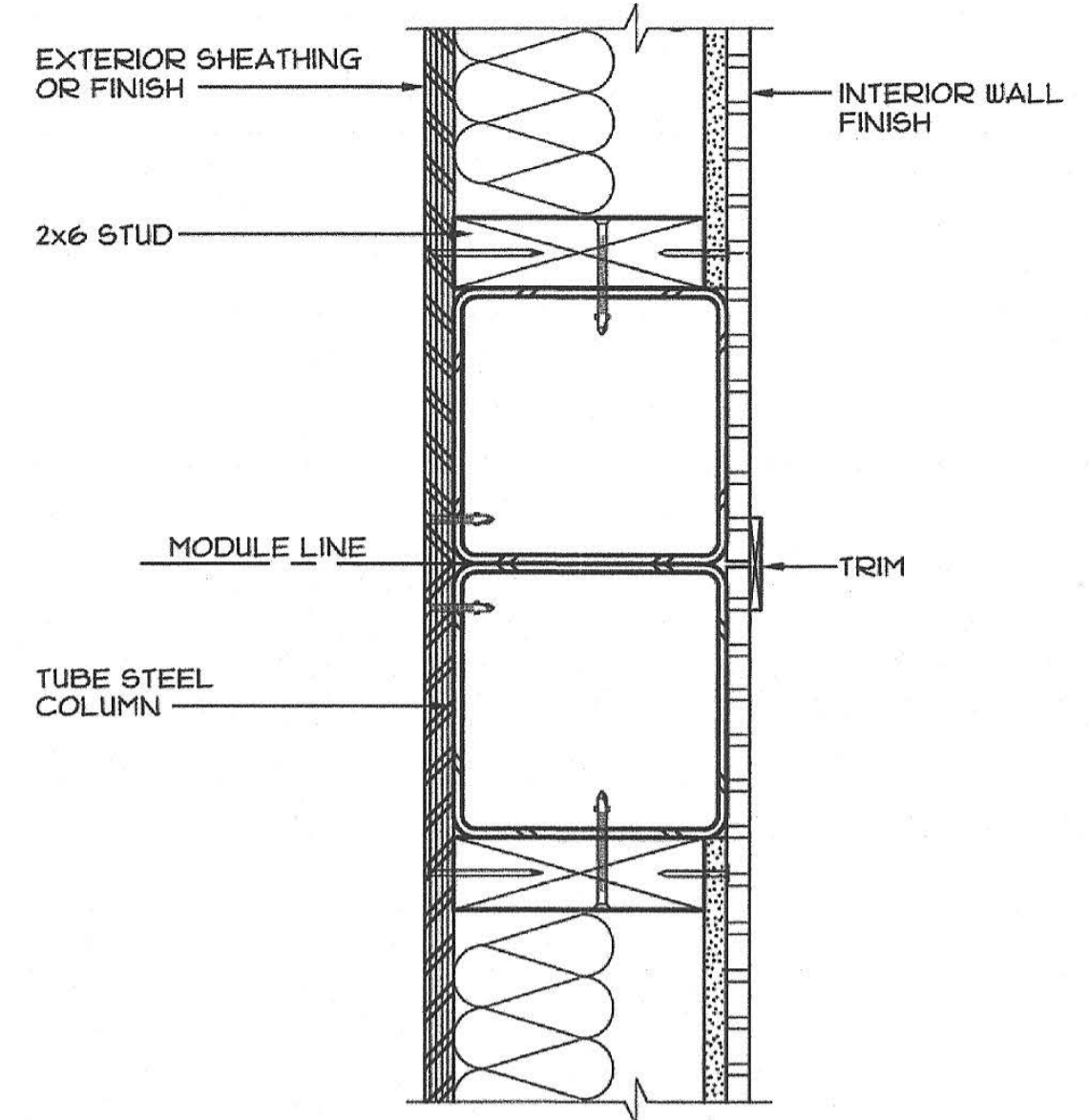
VARIABLE PITCH ROOF SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)

REV / DATE:	BY:

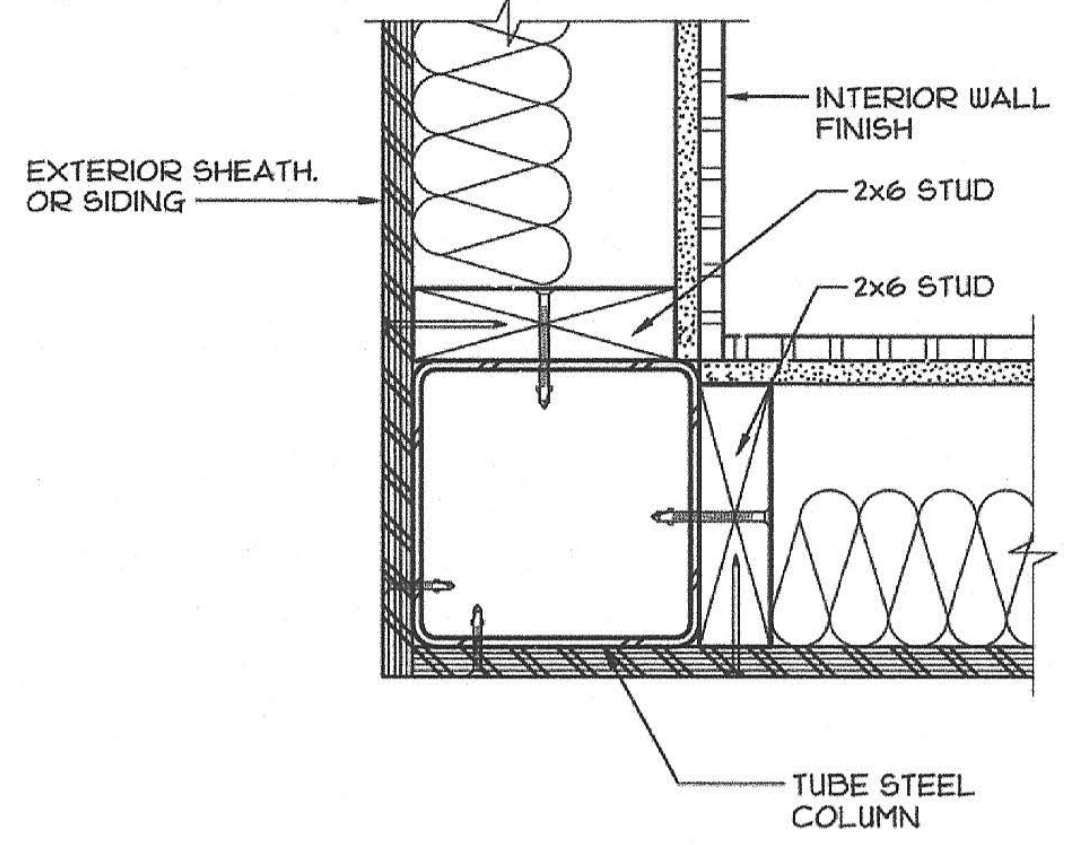
JOB No.:
DRAWN BY:
DATE:

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02-118094
AC - FLS - SS
DATE: 9-6-2018

A4D



FOR FASTENER SCHEDULE, SEE SHEET S3FA



FOR FASTENER SCHEDULE, SEE SHEET S3FA

1 SECTION - 6x6 COLUMN @ MOD. LINE
SCALE: 3/4"=1'-0"

2 SECTION - 6x6 COLUMN @ CORNER
SCALE: 3/4"=1'-0"

NOTE:
ALL EXTERIOR WALL SHEATHING/SIDING SHALL BE INSTALLED OVER CLASS I OR II VAPOR BARRIER.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC: FLS: SS: BOP
DATE: 5/16/2019

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

CYS
STRUCTURAL ENGINEERS, INC.
4885 National Park Drive, Suite 400
Sacramento, CA 95845
(916) 486-1200 Fax
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05-13-2019
REGISTERED PROFESSIONAL ENGINEER
ARCHITECT
No. 82030
STATE OF CALIFORNIA
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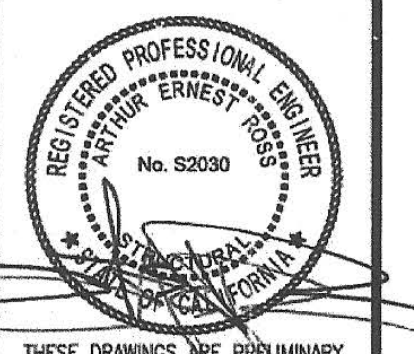
VARIABLE PITCH ROOF SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)

REV / DATE:	BY:
JOB No.:	
DRAWN BY:	
DATE:	
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 02-116094 AC: FLS: SS: BOP DATE: 9-6-2018	

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A4D.R
24x40 TO 120x40 P.C.

05-13-2019



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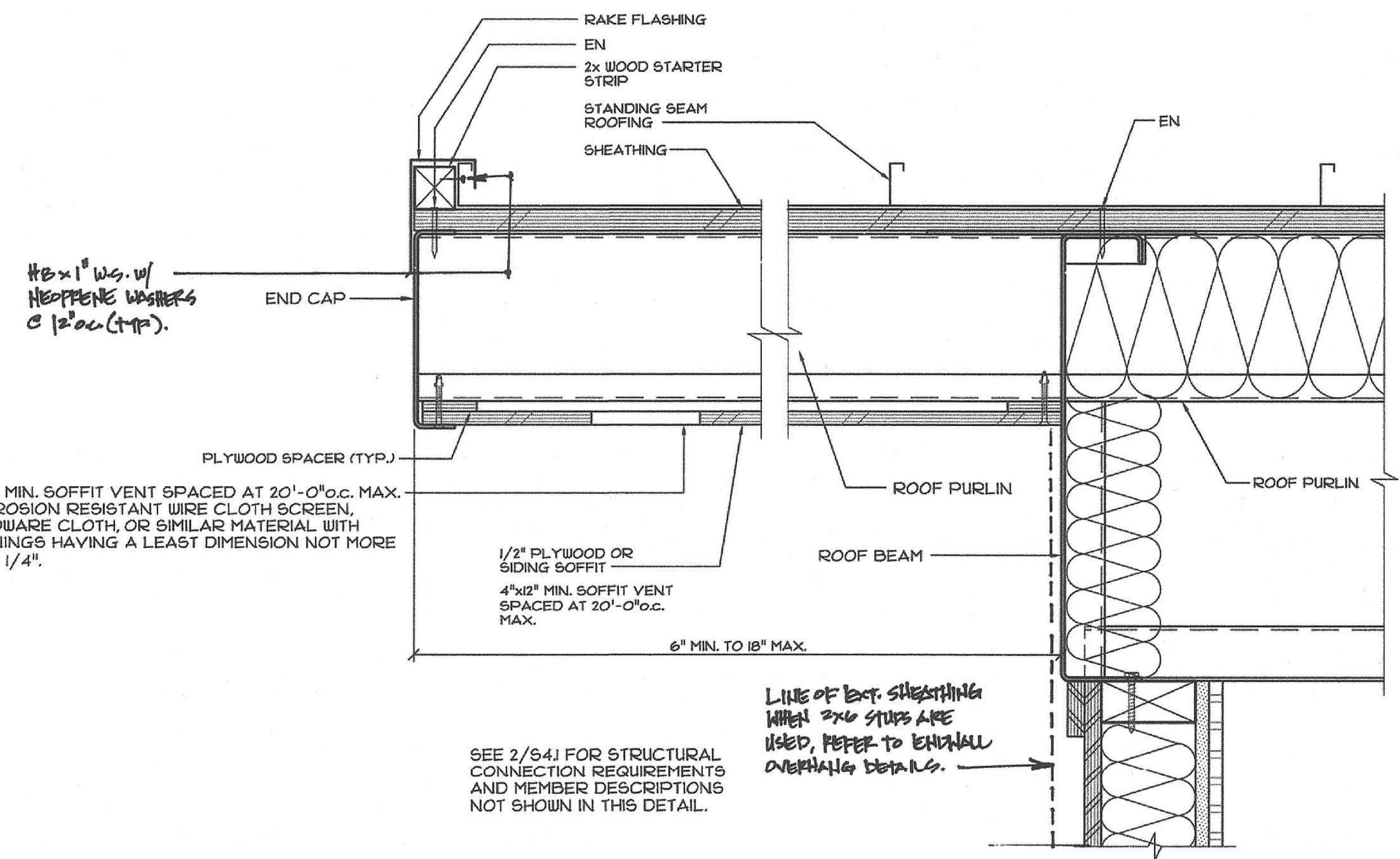
OPTIONAL SIDEWALL OVERHANG DETAIL

REV / DATE:	By:
JOB No.:	
DRAWN BY:	
DATE:	
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT	
02-116094	
AC: <i>FLS</i> SS: <i>SSC</i>	
DATE: 9-6-2018	

24"x40" TO 120"x40" P.C.
A4S

2

TYPICAL SIDEWALL OVERHANG DETAIL
 SCALE: 3/8"=1'-0"



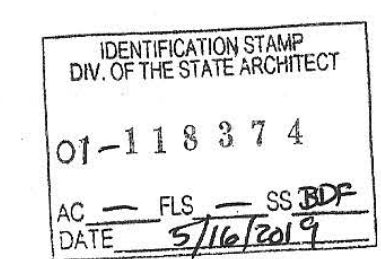
Hex 1" dia. w/
 NEOPRENE WASHERS
 @ 12" o.c. (TYP.)

4"x12" MIN. SOFFIT VENT SPACED AT 20'-0" o.c. MAX.
 CORROSION RESISTANT WIRE CLOTH SCREEN,
 HARDWARE CLOTH, OR SIMILAR MATERIAL, WITH
 OPENINGS HAVING A LEAST DIMENSION NOT MORE
 THAN 1/4".

SEE 2/541 FOR STRUCTURAL
 CONNECTION REQUIREMENTS
 AND MEMBER DESCRIPTIONS
 NOT SHOWN IN THIS DETAIL.

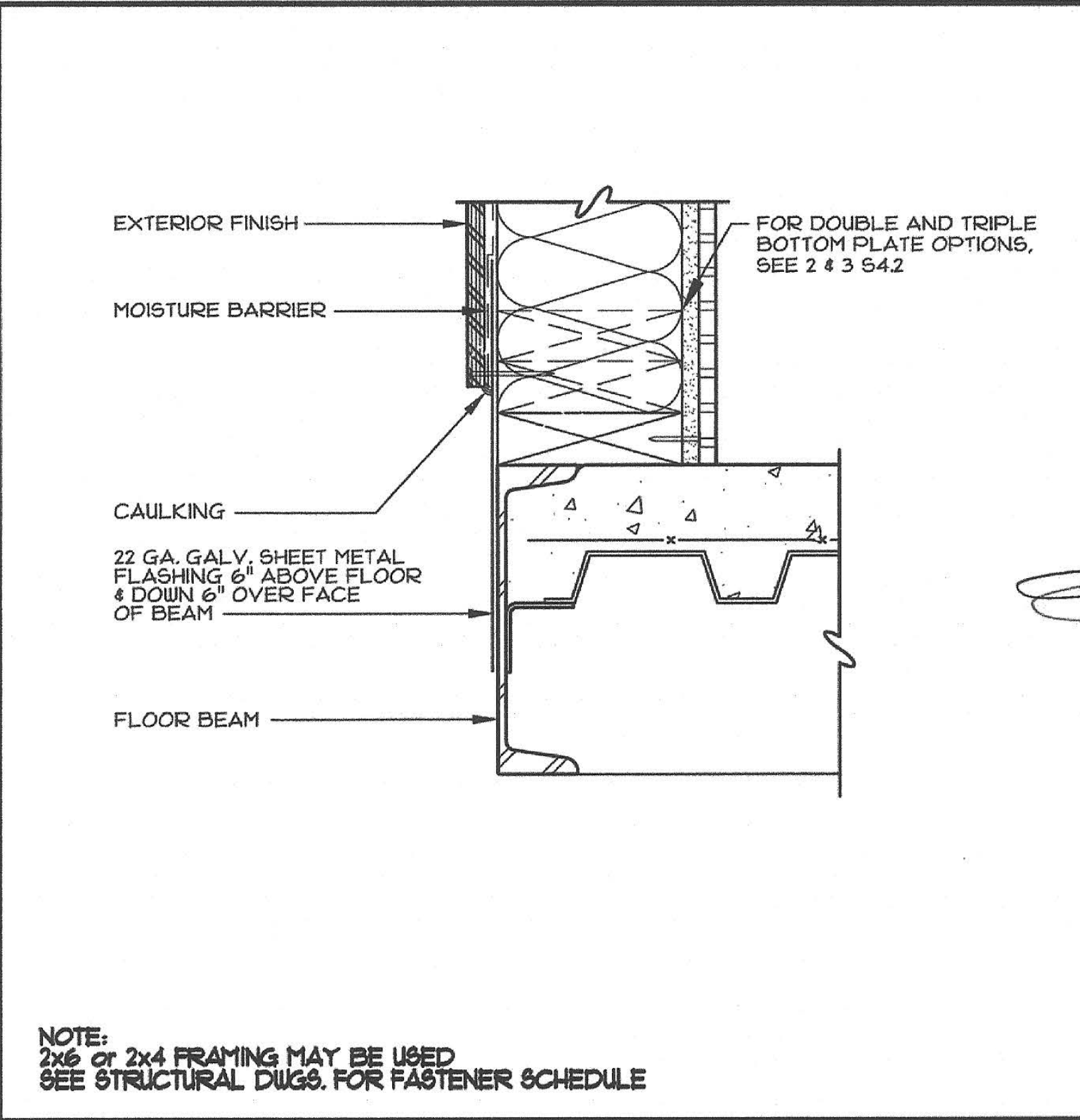
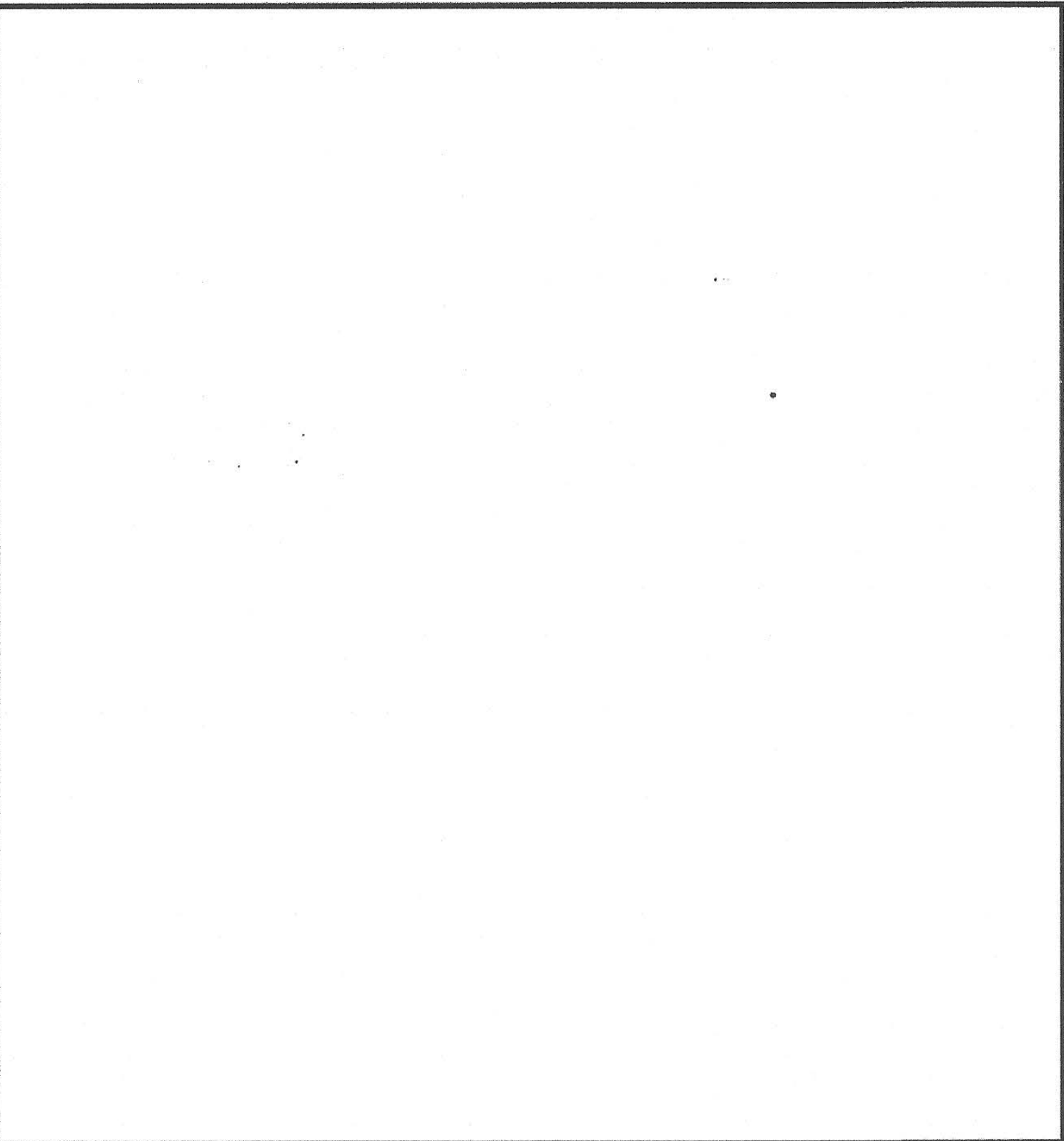
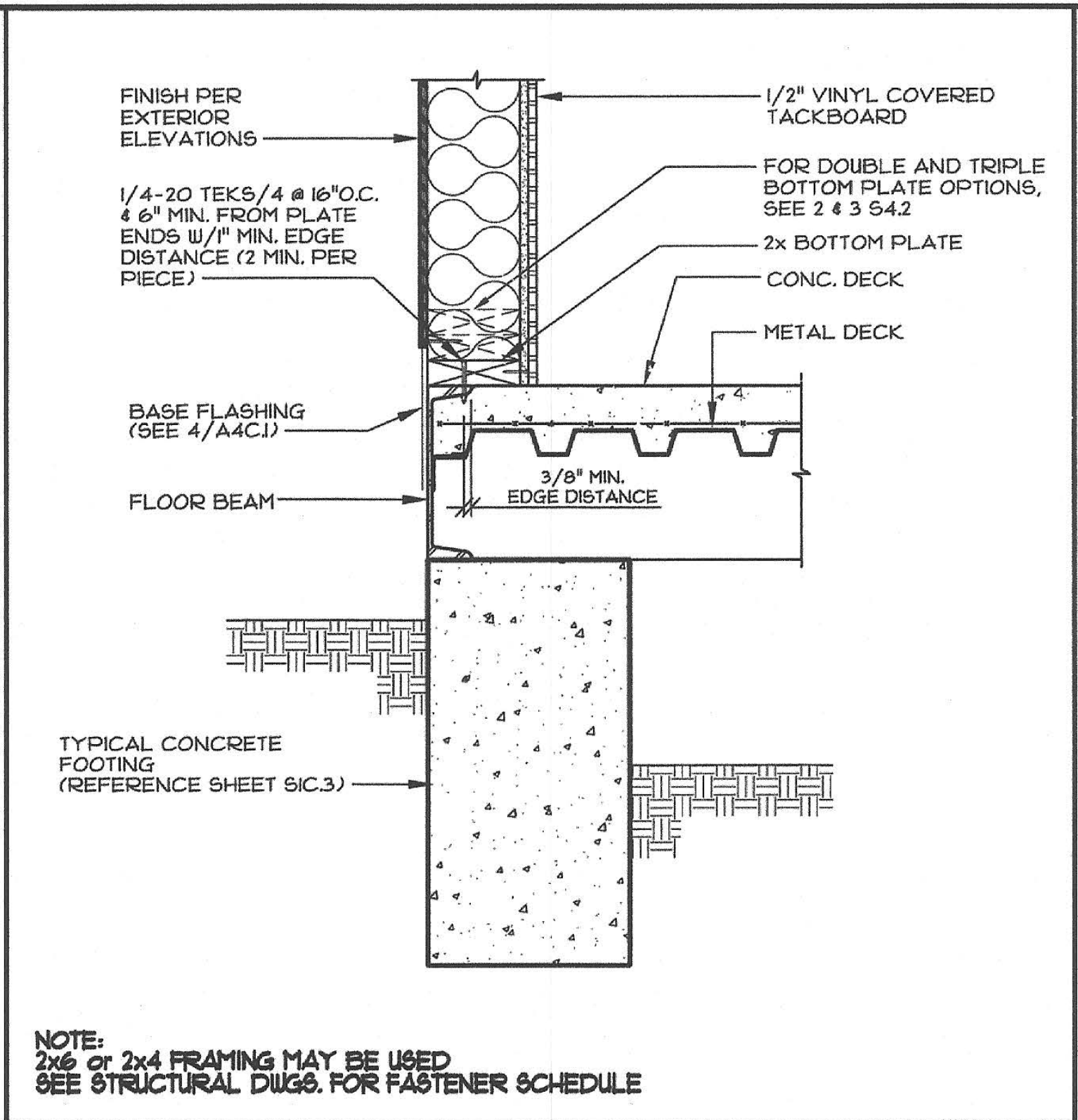
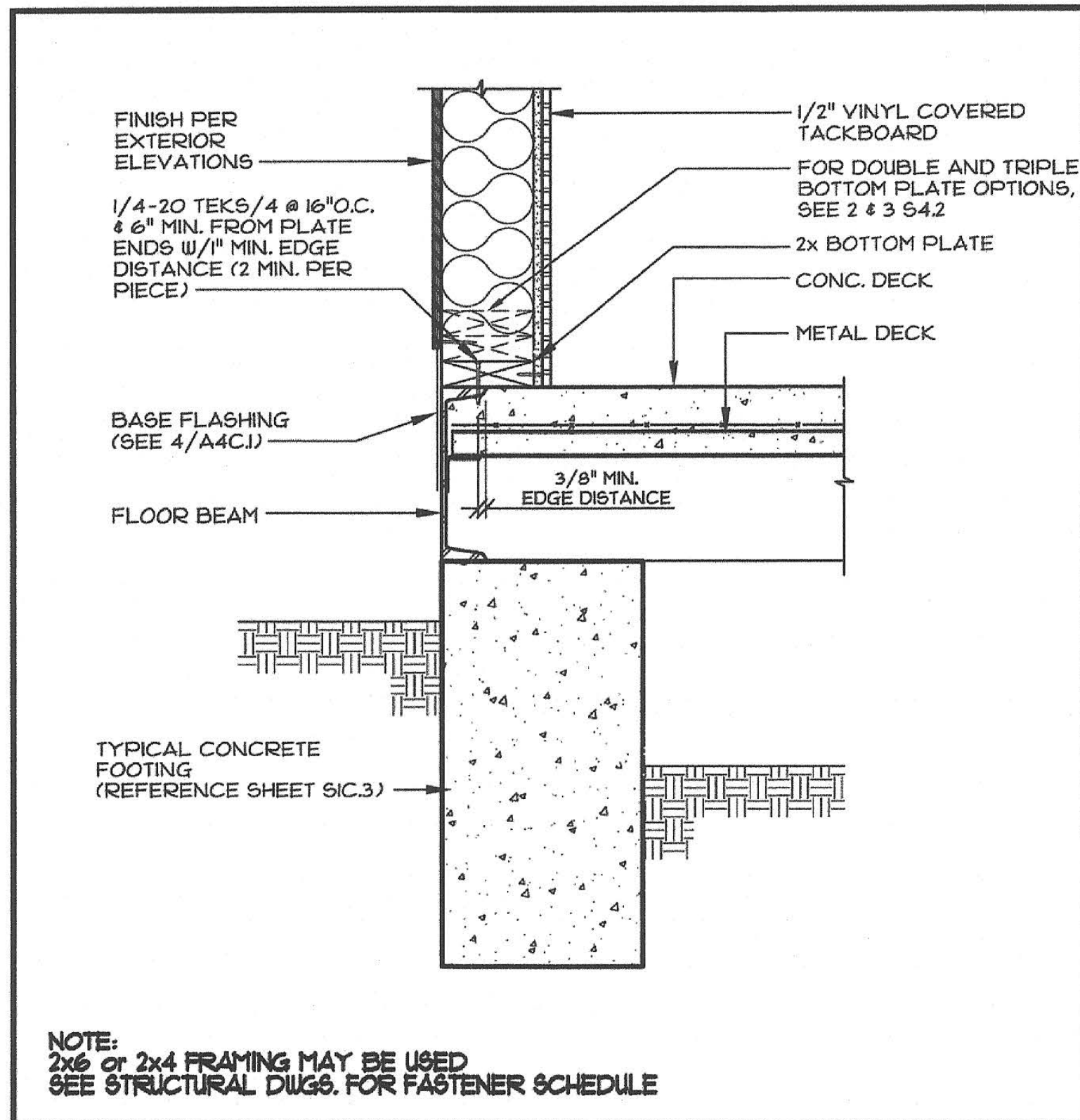
LINE OF EXT. SHEATHING
 WHEN 2x6 STUDS ARE
 USED, REFER TO EXTERIOR
 OVERHANG DETAILS.

NOTE:
 ALL EXTERIOR WALL SHEATHING/SIDING SHALL BE INSTALLED OVER
 CLASS I OR II VAPOR BARRIER.



PRE-CHECK (PC) DOCUMENT
 Code: 2016 CBC
 A separate project application for
 construction is required.

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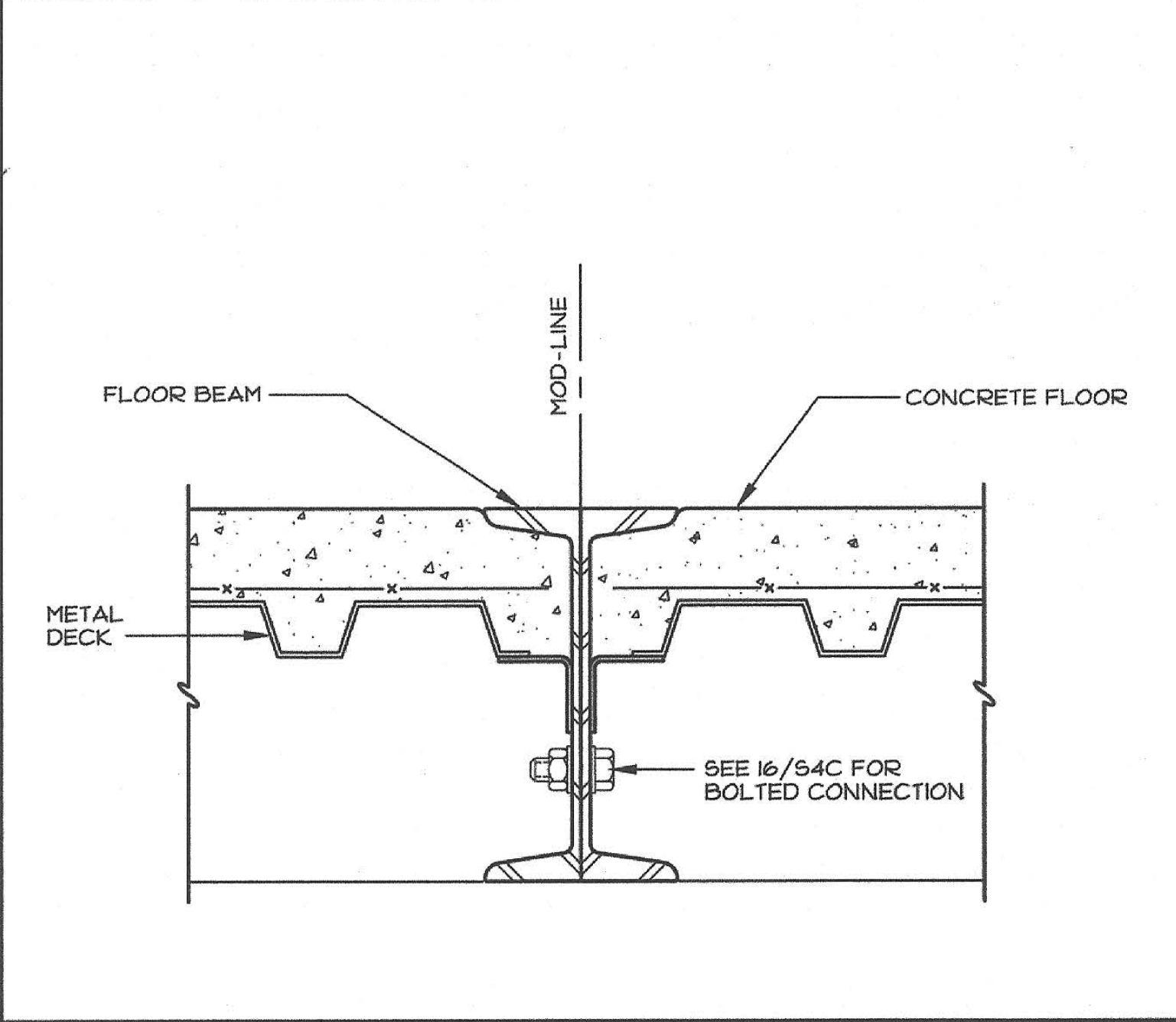
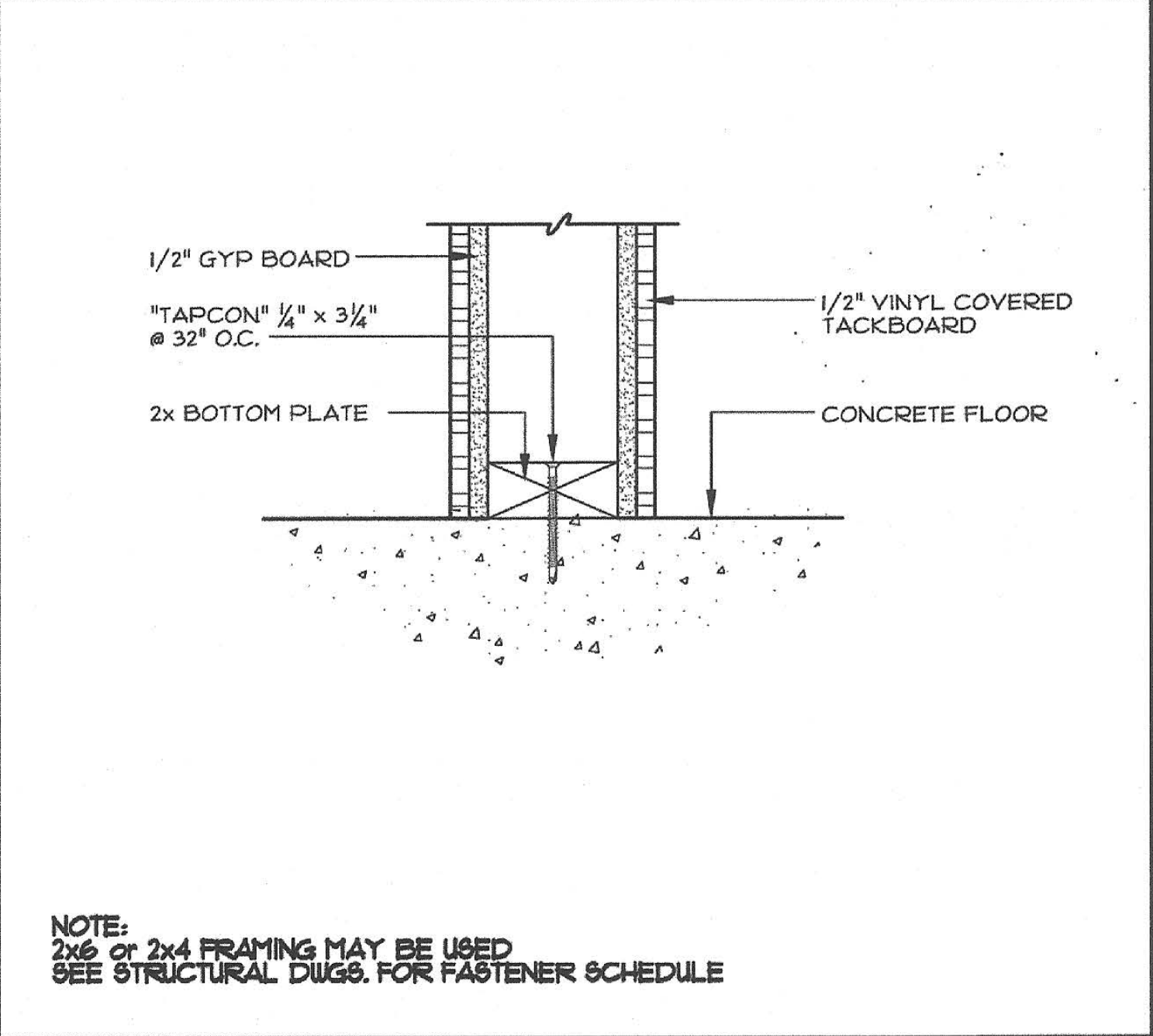
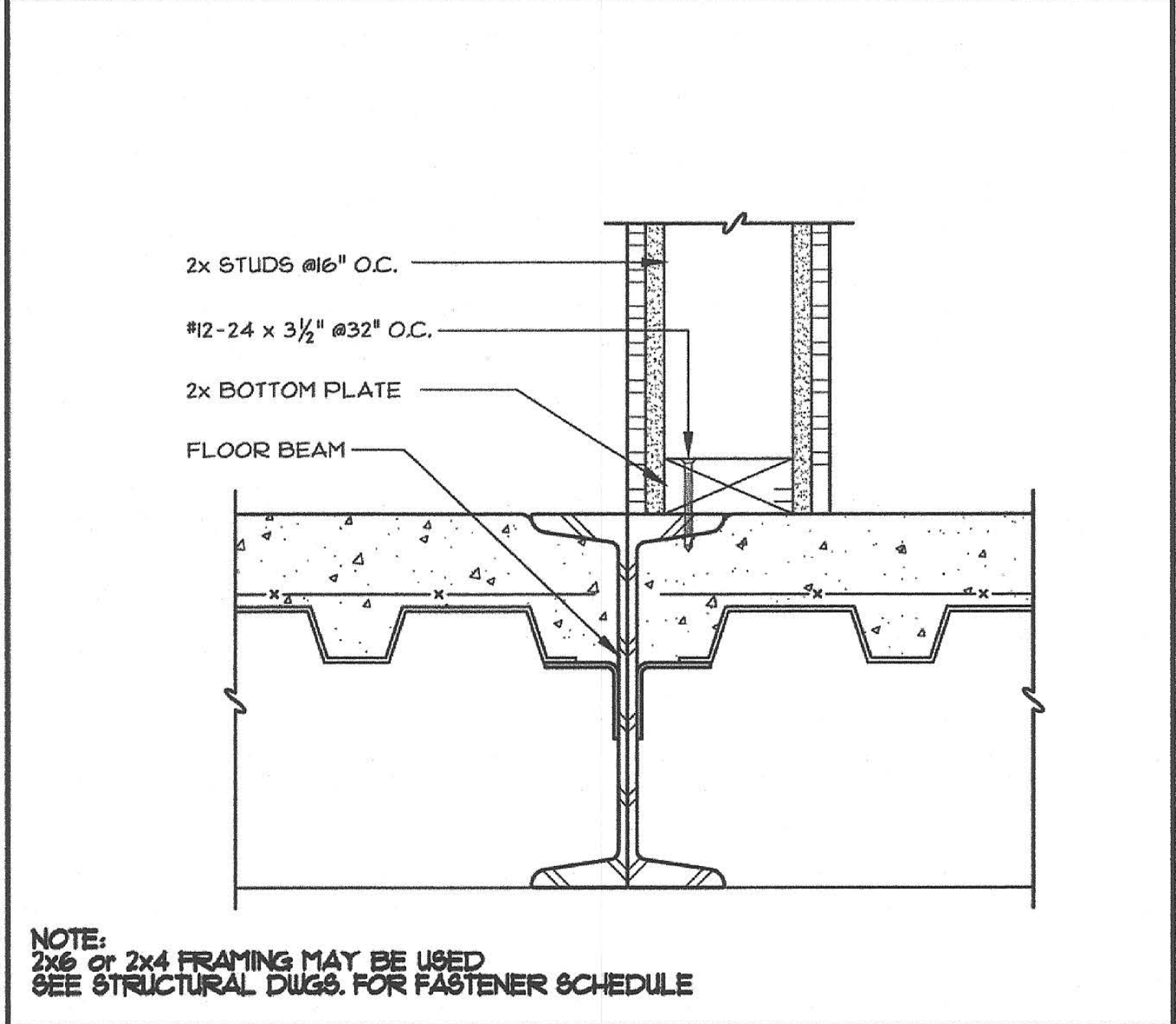
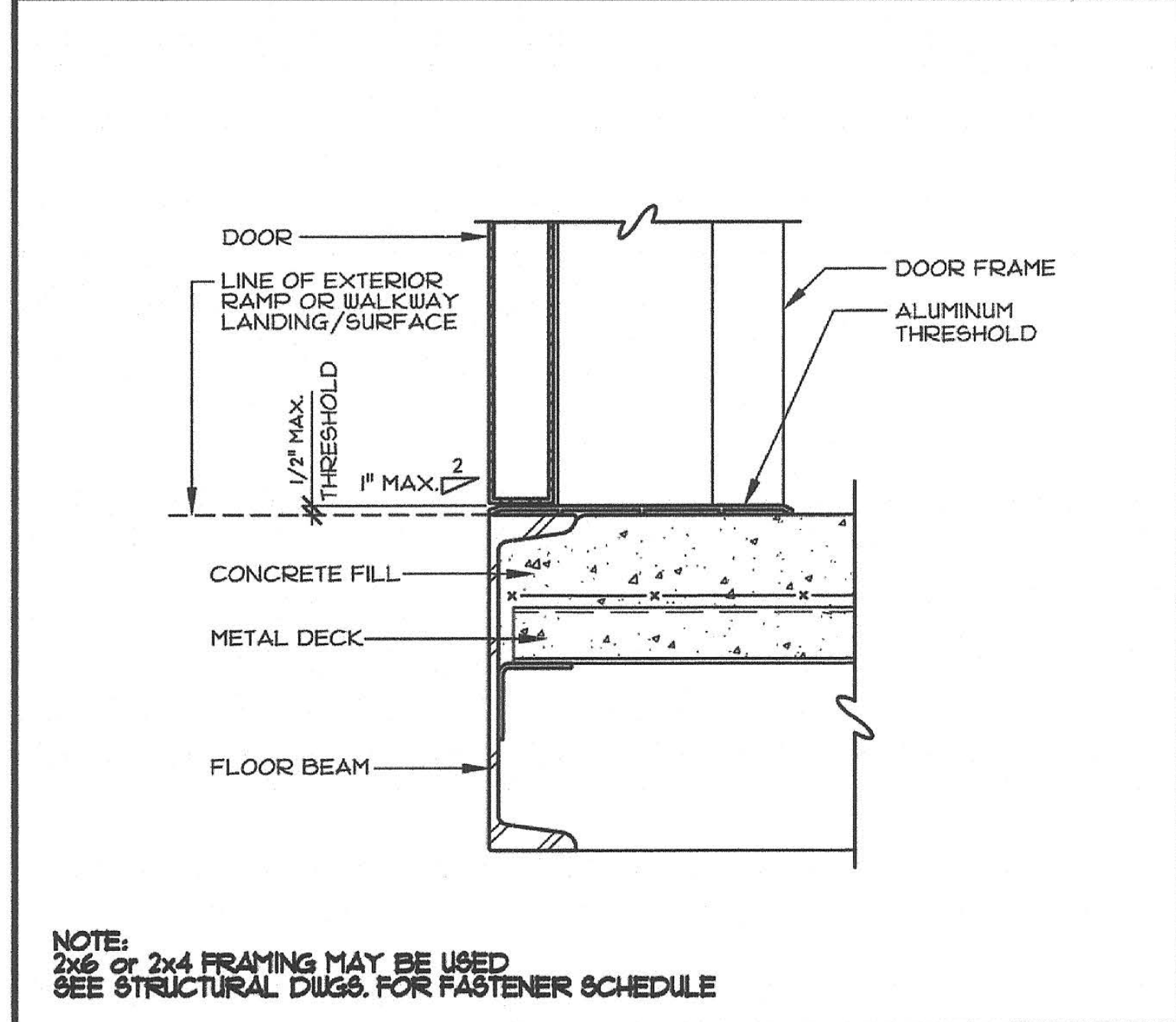


1 WALL SECTION - ENDWALL
SCALE: 1 1/2"=1'-0"

2 WALL SECTION - SIDEWALL
SCALE: 1 1/2"=1'-0"

3

4 BASE FLASHING DETAIL - (CONC. FLOOR)
SCALE: 3"=1'-0"



5 DOOR THRESHOLD - (CONC. FLOOR)
SCALE: 3"=1'-0"

6 INTERIOR WALL ATTACHMENT @ FLOOR BEAM
SCALE: 3"=1'-0"

7 INTERIOR WALL TO FLOOR ATTACHMENT DETAIL
SCALE: 3"=1'-0"

8 SECTION - @ MODULE LINE
SCALE: 3"=1'-0"

NOTE:
ALL EXTERIOR WALL SHEATHING/SIDING SHALL BE INSTALLED OVER CLASS I OR II VAPOR BARRIER.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC: FLS: SS: EDP
DATE: 5/16/2019

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-116094
AC: FLS: SS: EDP
DATE: 9-6-2018

CYS
STRUCTURAL ENGINEERS, INC.
2145 National Park Drive, Suite 450
Stockton, CA 95210
(209) 938-1244 Fax
www.cyseng.com

05-13-2019

REGISTERED PROFESSIONAL ENGINEER
ARCHITECT/ENGINEER/PA
No. 82030

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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 468-8000

NON-RATED WALL ATTACHMENT DETAILS
(CONCRETE FLOORS)

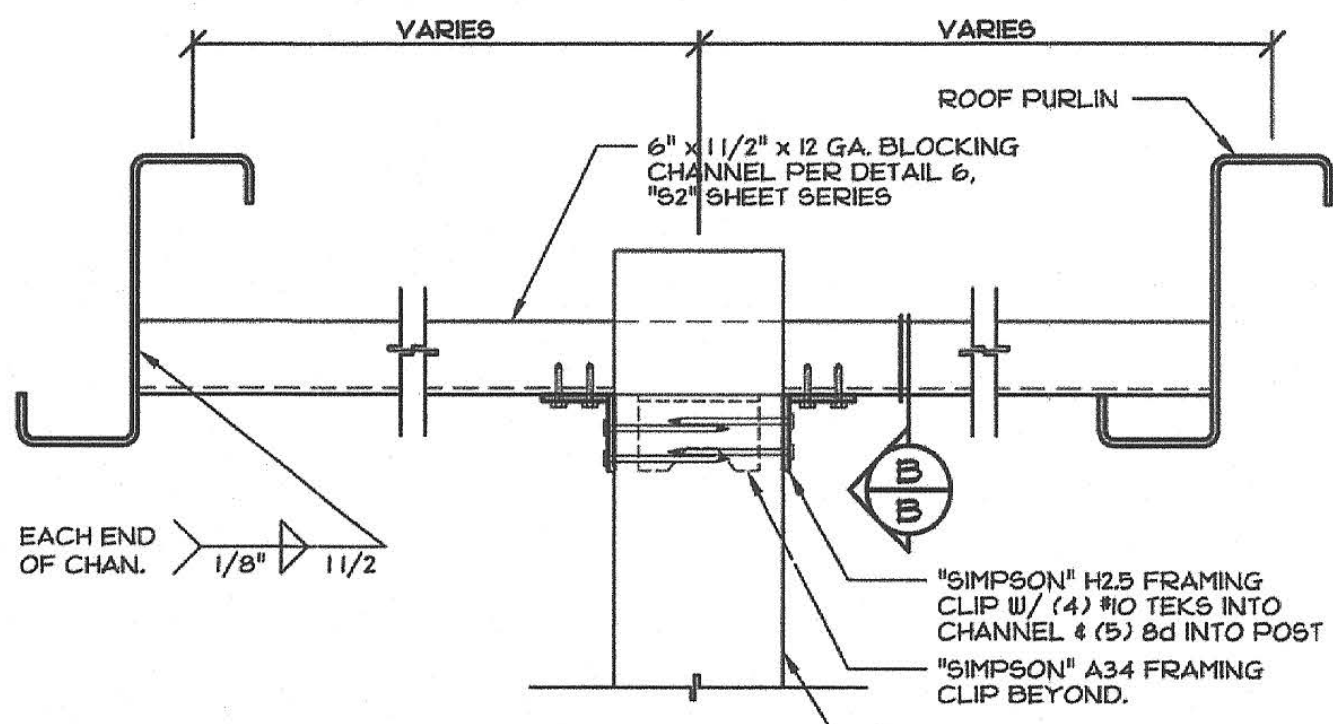
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JOB No.:	
DRAWN BY:	
DATE:	

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DIVISION OF THE STATE ARCHITECT
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AC: FLS: SS: EDP
DATE: 9-6-2018

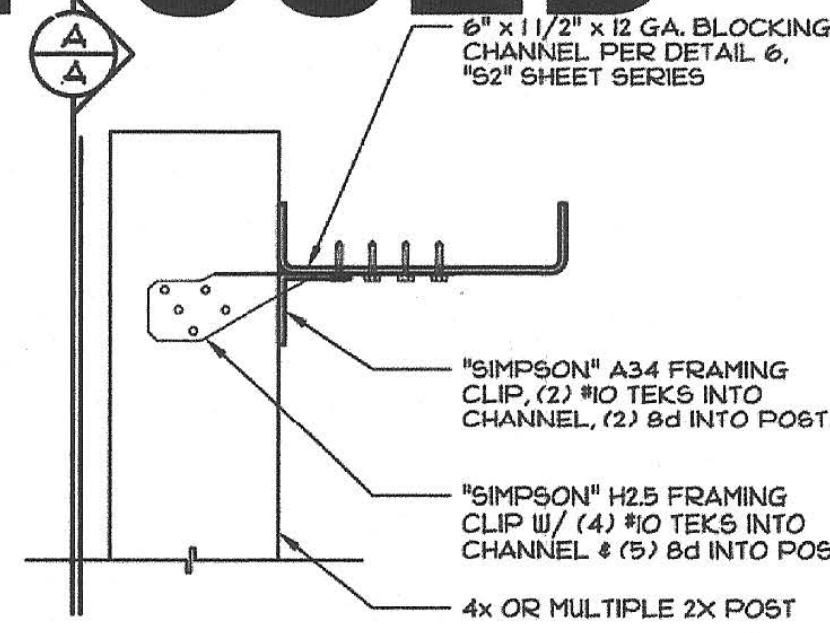
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A4C.1

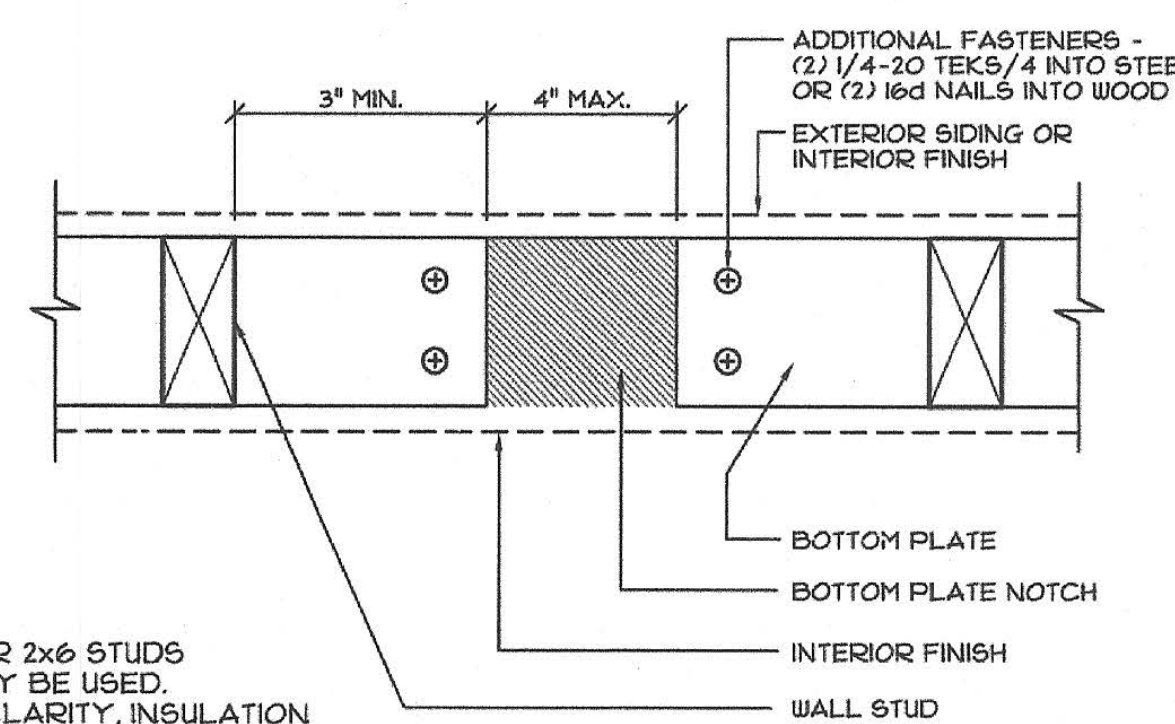
24x40 TO 120x40 P.C.



NOT USED



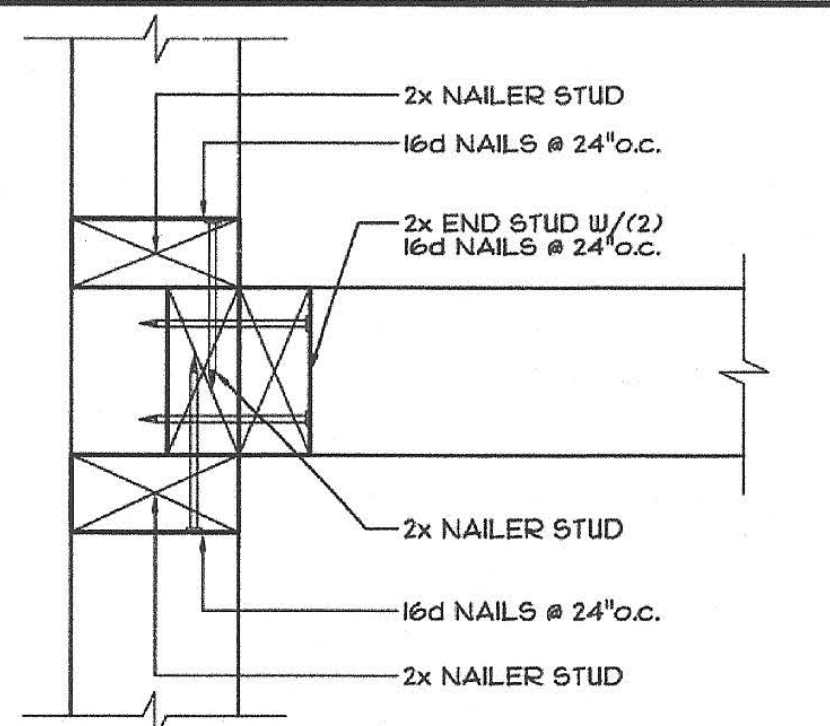
SECTION B-B



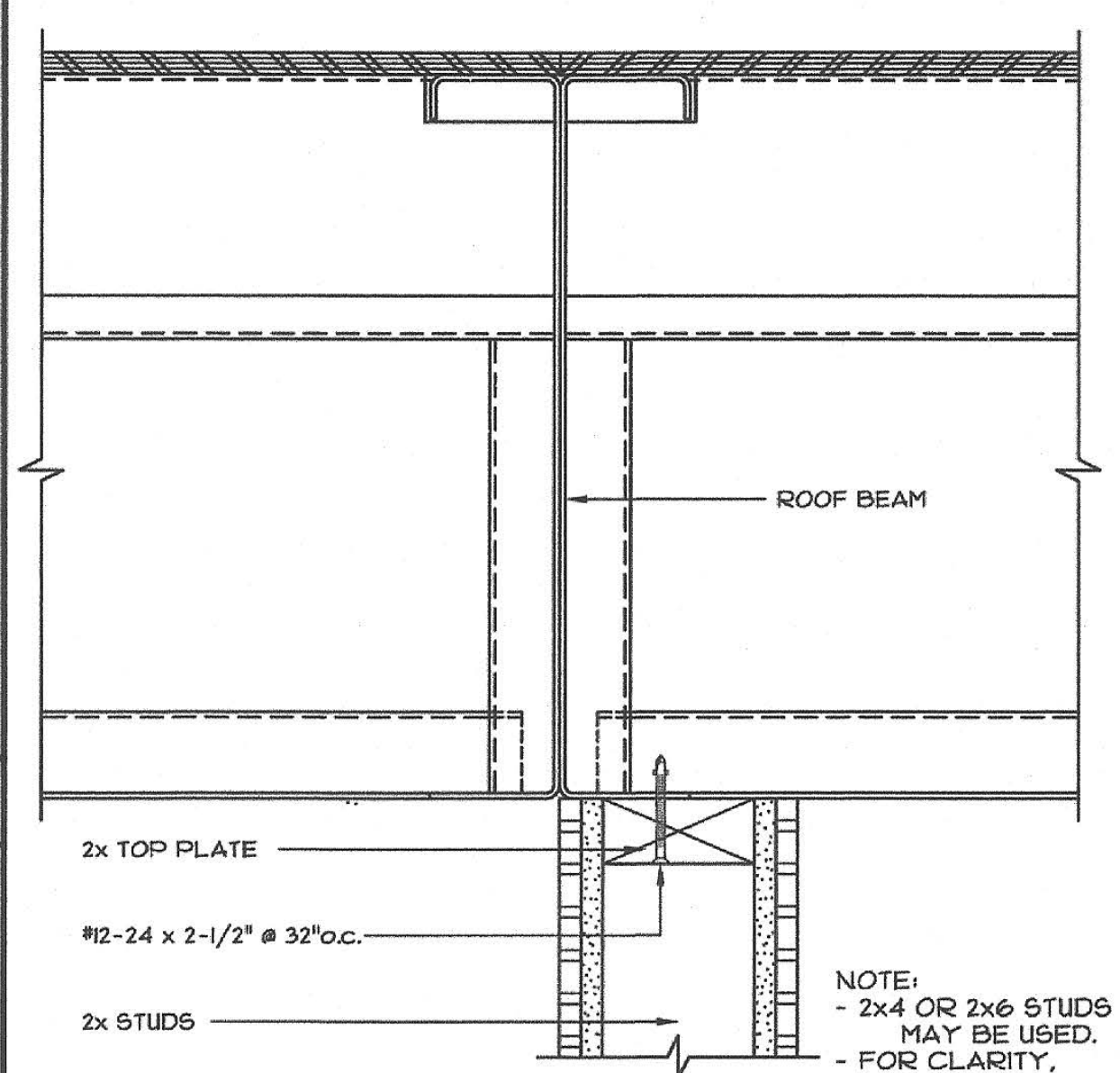
NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN

FOR FASTENER SCHEDULE, SEE "S3" SHEETS

1 ALLOWABLE BOTTOM PLATE NOTCH SCALE: 3"=1'-0"

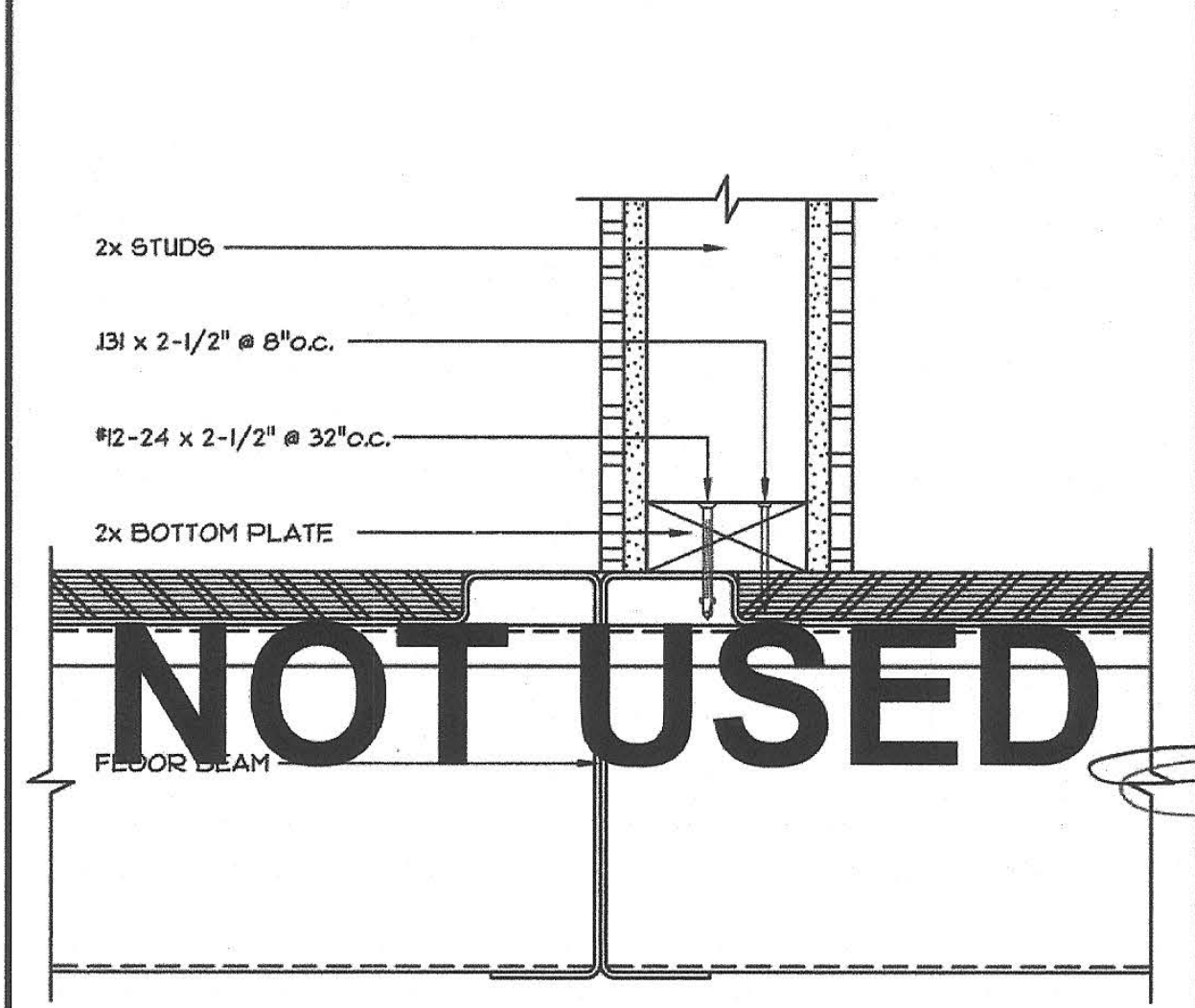


NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN



NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN

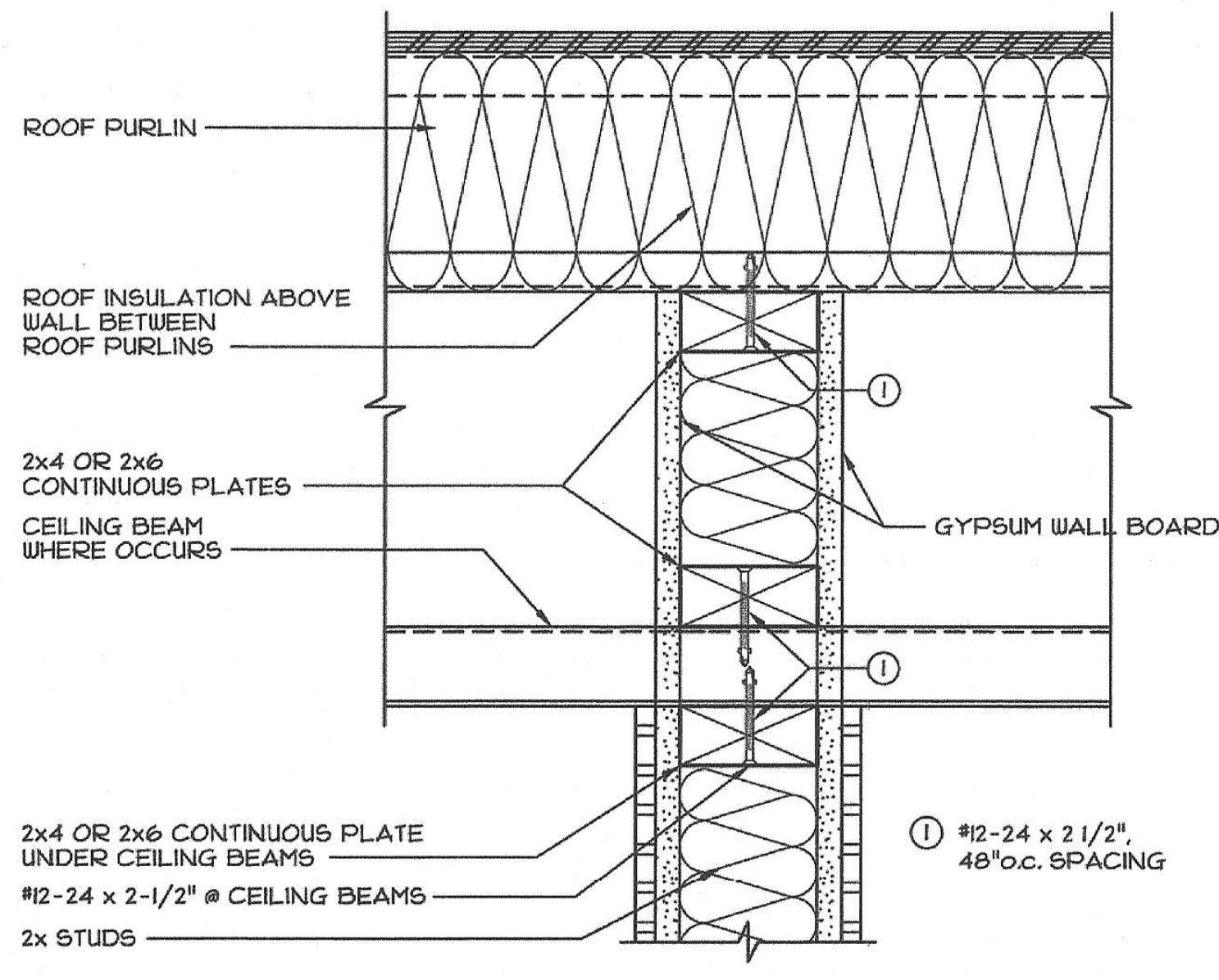
2 INT. TOP PLATE TO ROOF BEAM SCALE: 3"=1'-0"



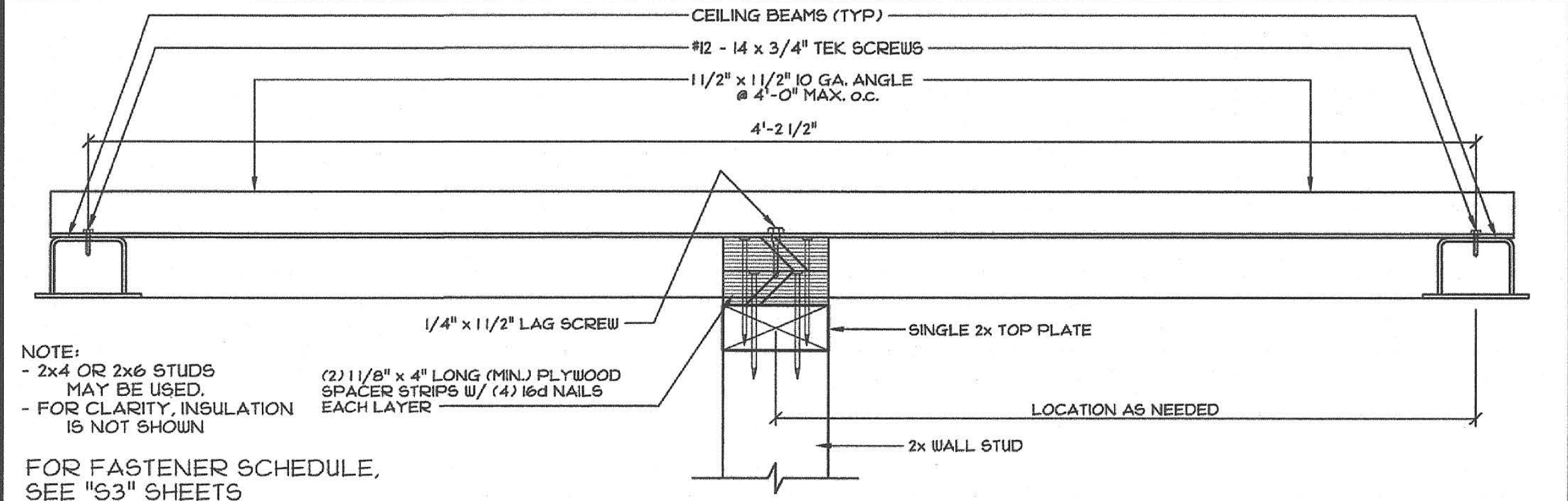
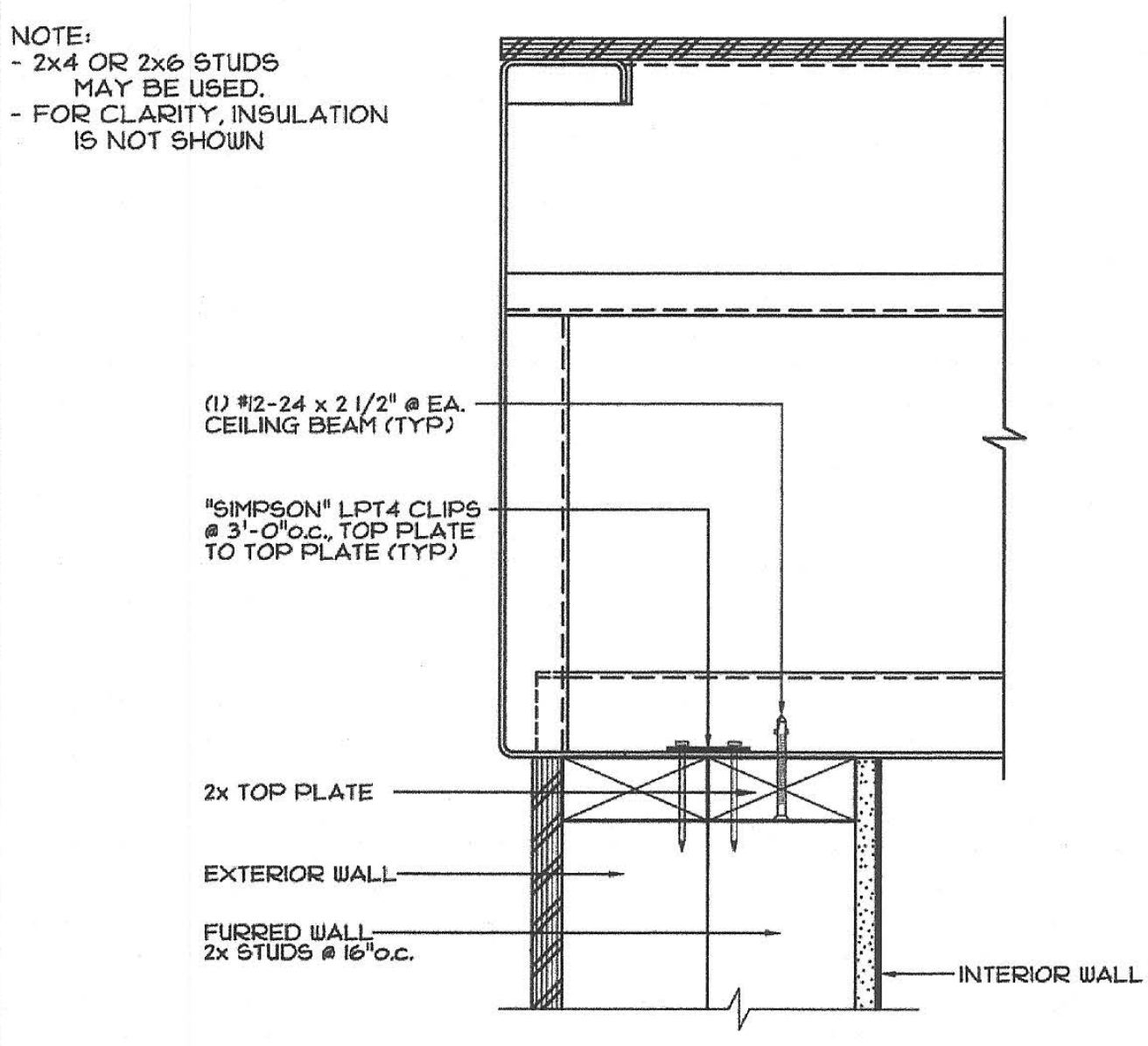
NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN

3 INT. BOTTOM PLATE TO FLOOR BEAM SCALE: 3"=1'-0"

11 TOP CONNECTION - FULL HT. POST FOR HALF WALLS SCALE: 3"=1'-0"



4 PERPENDICULAR WALL CONNECTION SCALE: 3"=1'-0"

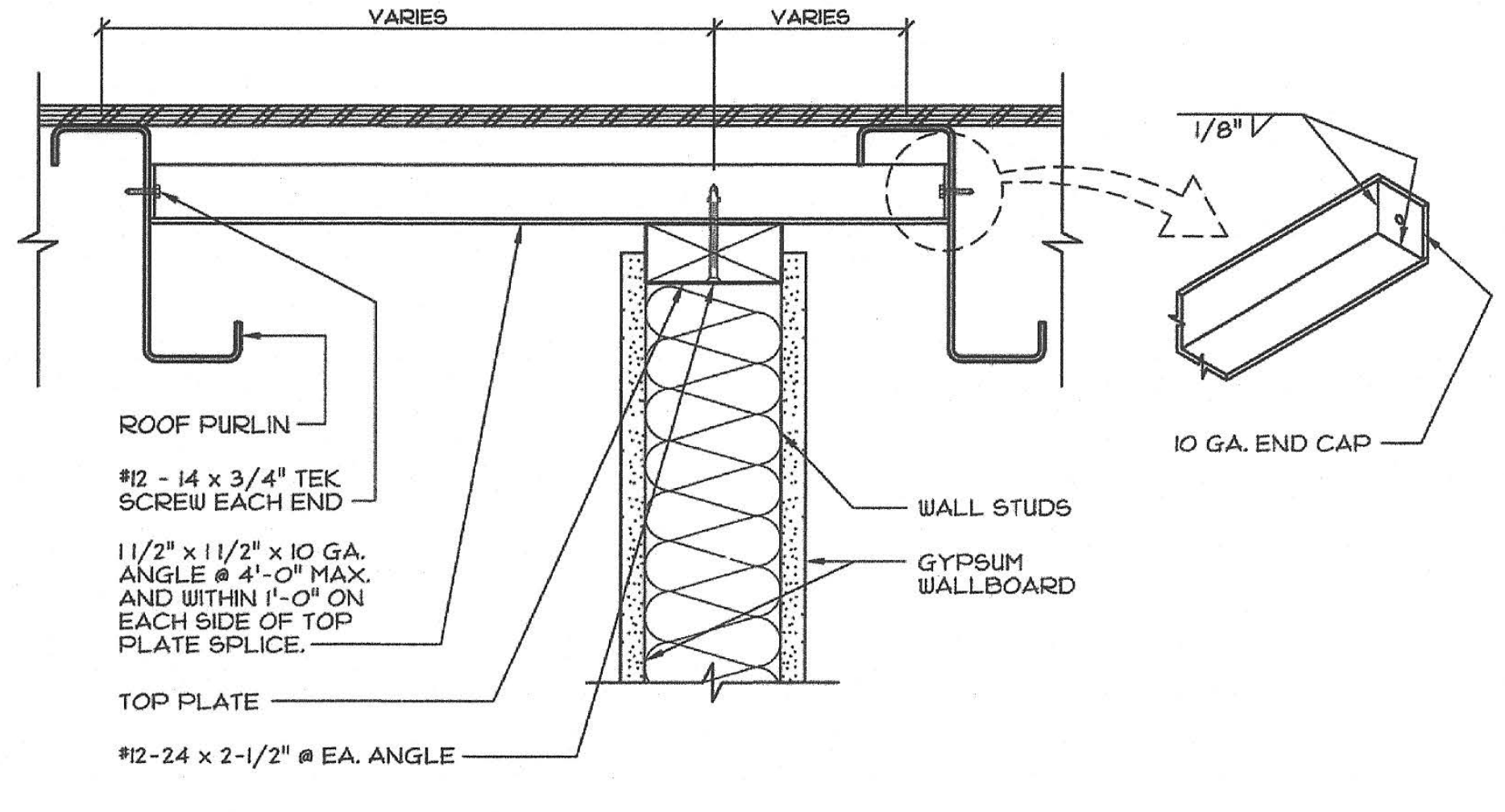


NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN

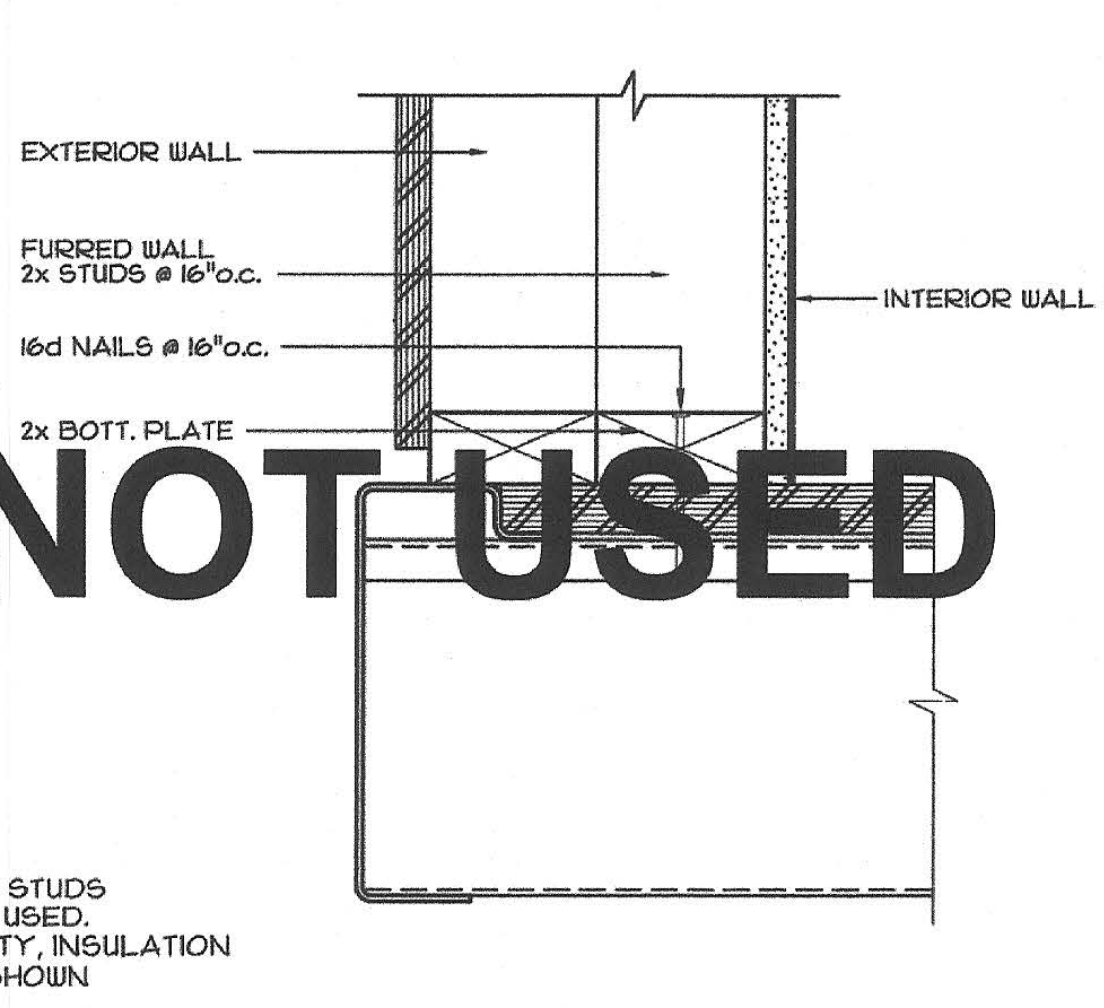
FOR FASTENER SCHEDULE, SEE "S3" SHEETS

5 TOP PLATE ATTACHMENT BETWEEN CEILING BEAMS SCALE: 3"=1'-0"

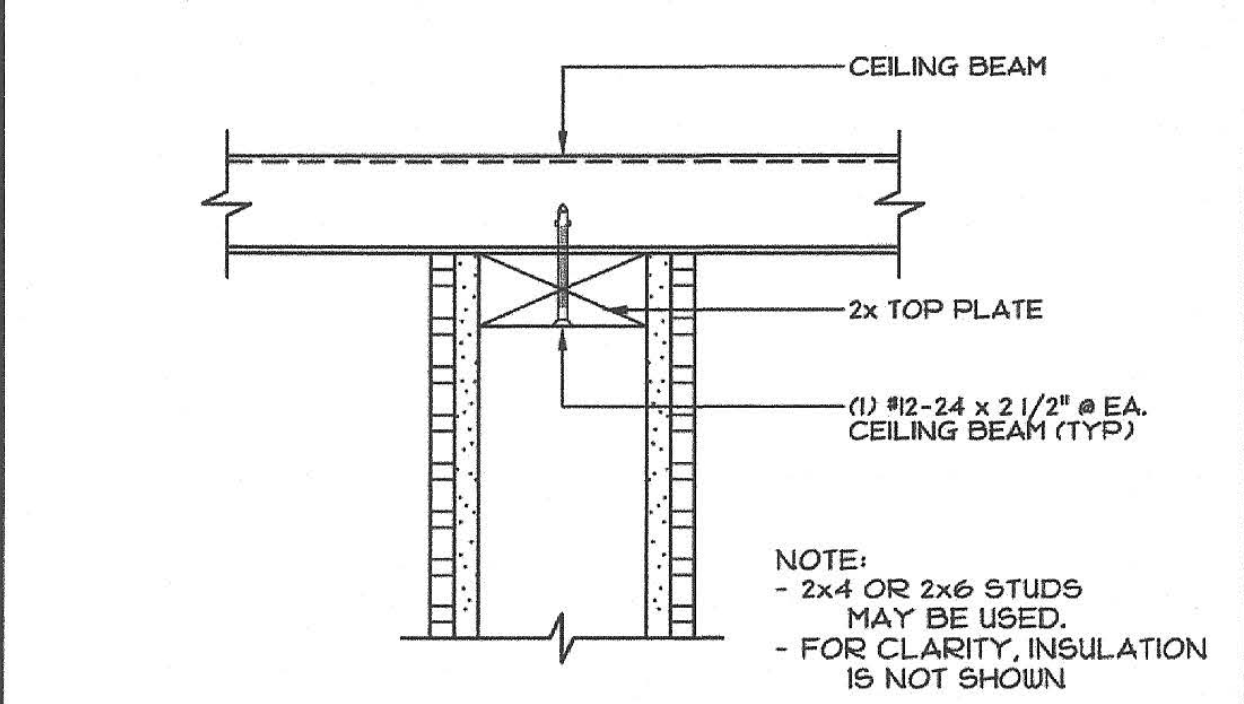
12 FULL HEIGHT PRIVACY WALL - PERP. TO PURLINS SCALE: 3"=1'-0"



6 FURRED WALL - TOP PLATE CONNECTION SCALE: 3"=1'-0"

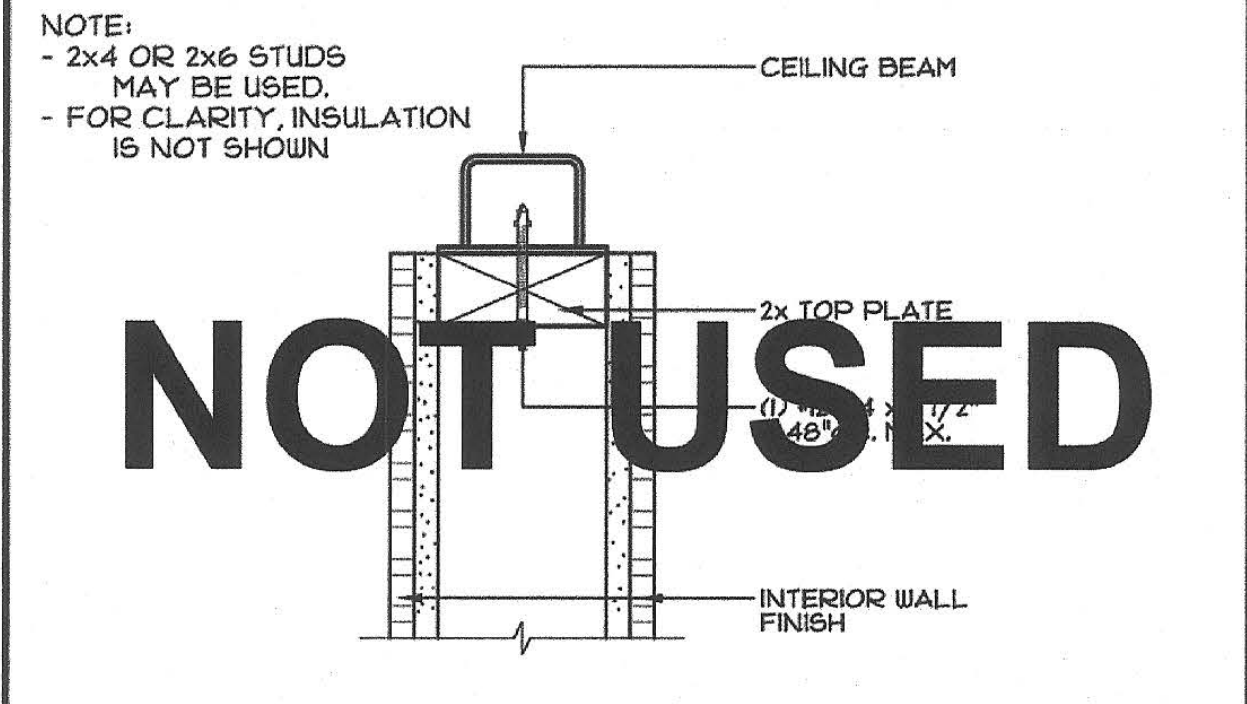


NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN



NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN

7 TOP PLATE TO CEILING BEAM SCALE: 3"=1'-0"



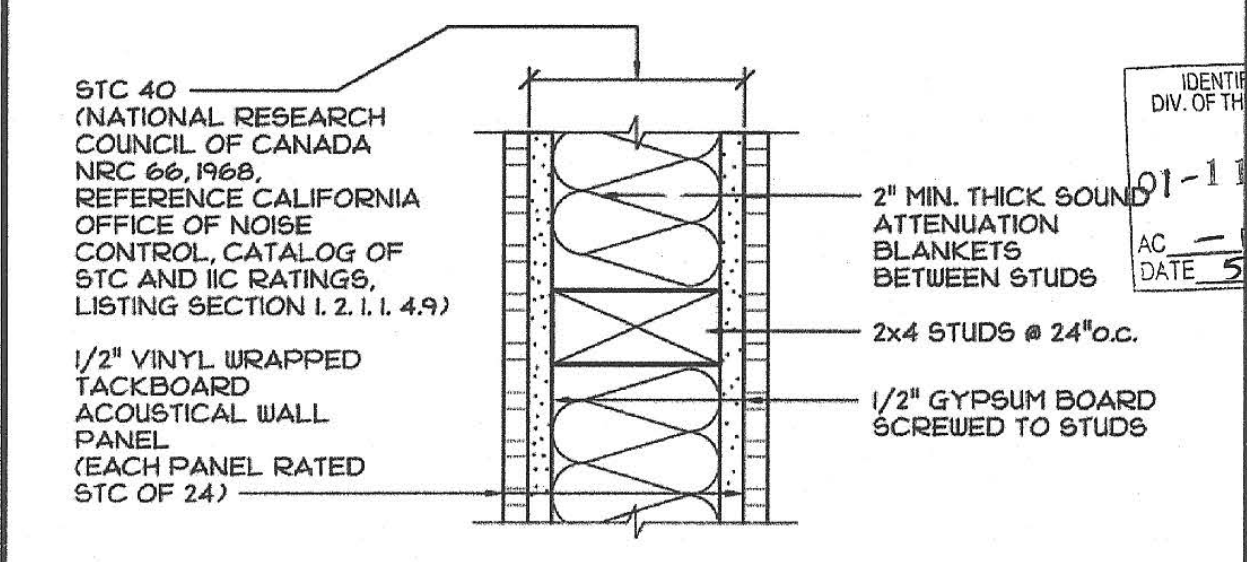
NOTE:
- 2x4 OR 2x6 STUDS MAY BE USED.
- FOR CLARITY, INSULATION IS NOT SHOWN

8 TOP PLATE TO CEILING BEAM SCALE: 3"=1'-0"

13 FULL HEIGHT PRIVACY WALL - PARALLEL TO PURLINS SCALE: 3"=1'-0"

9 FURRED WALL - BOTTOM PLATE CONNECTION SCALE: 3"=1'-0"

10 BOTTOM PLATE TO FLOOR SCALE: 3"=1'-0"



14 TYP. INTERIOR WALL STC RATING SCALE: 3"=1'-0"

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

CYS

05-13-2019

REGISTERED PROFESSIONAL ENGINEER
No. 82000

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INTERIOR WALL CONNECTION DETAILS

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01-118374

AC - SS - SS BDF

DATE 5/16/2018

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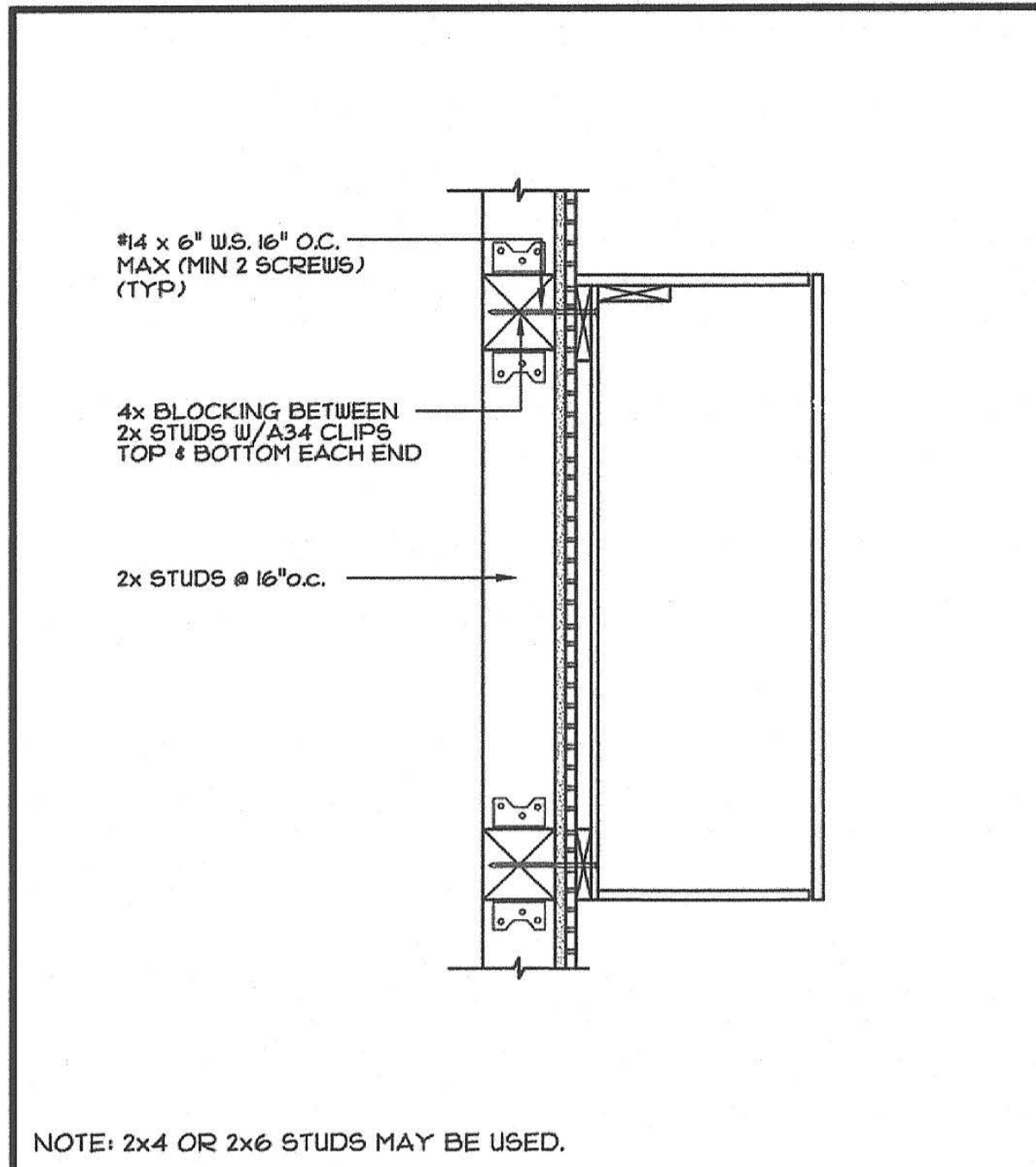
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

02-116094

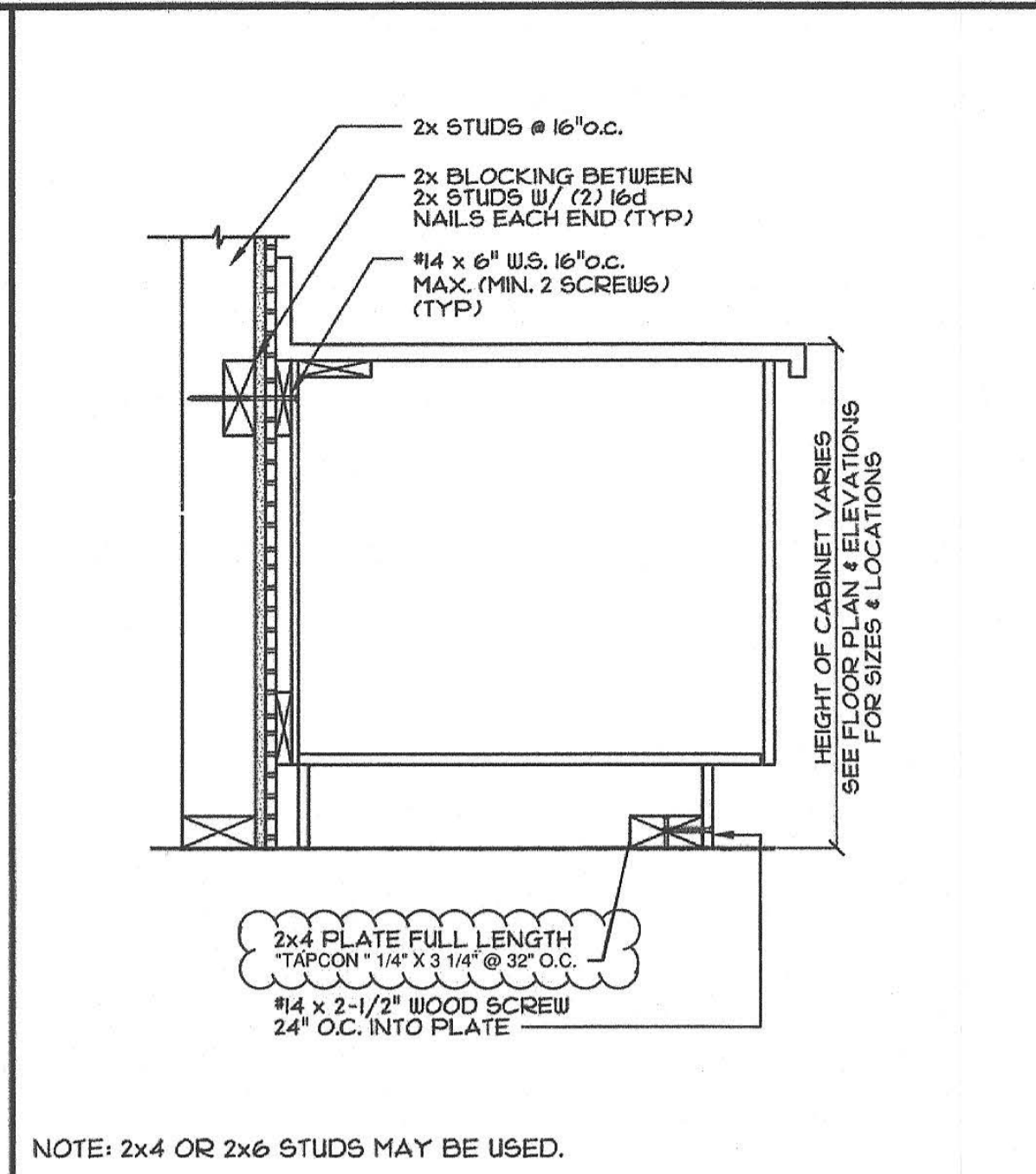
AC - FL - SS - SS

DATE 9-6-2018

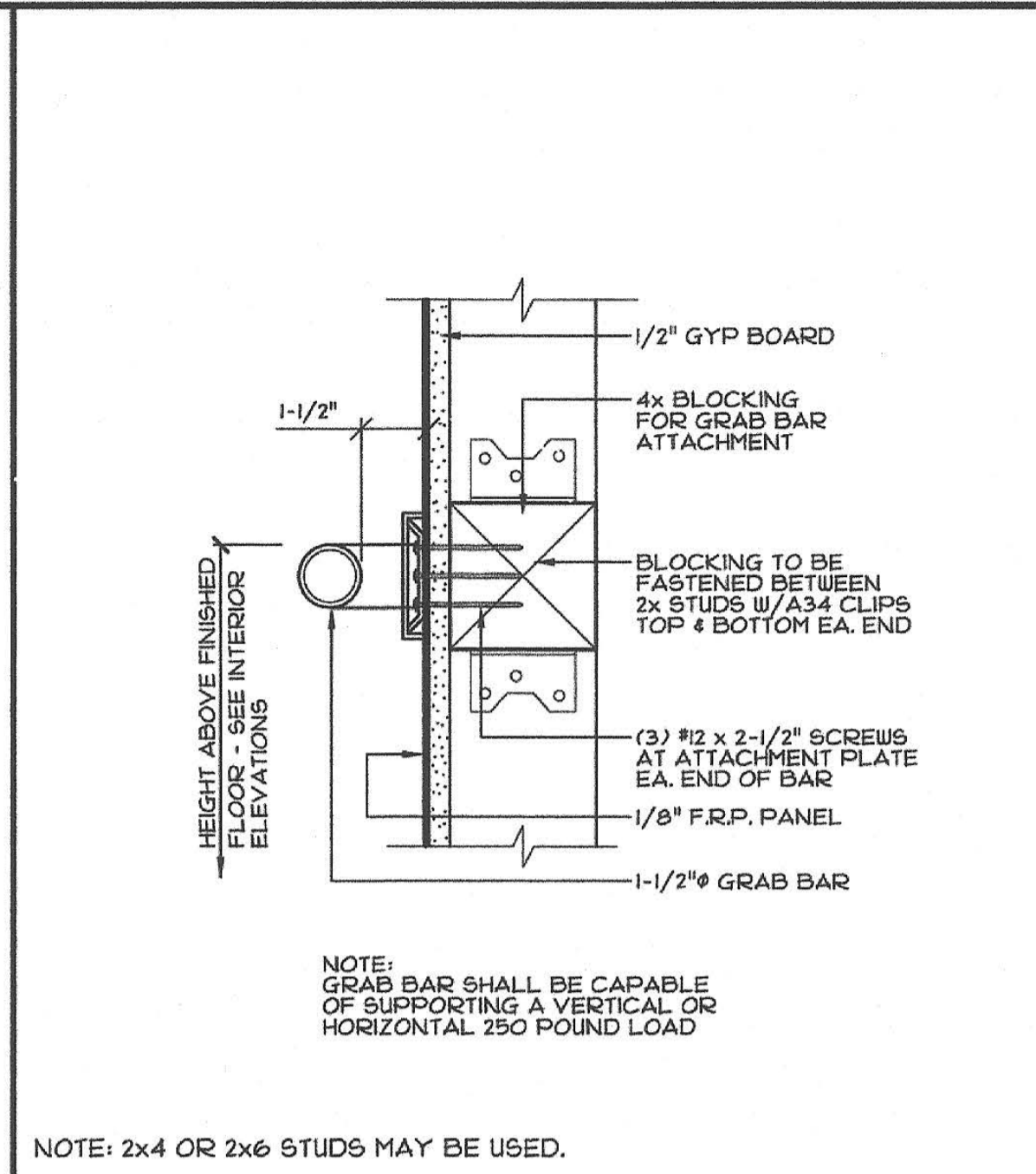
24x40 TO 120x40 P.C.



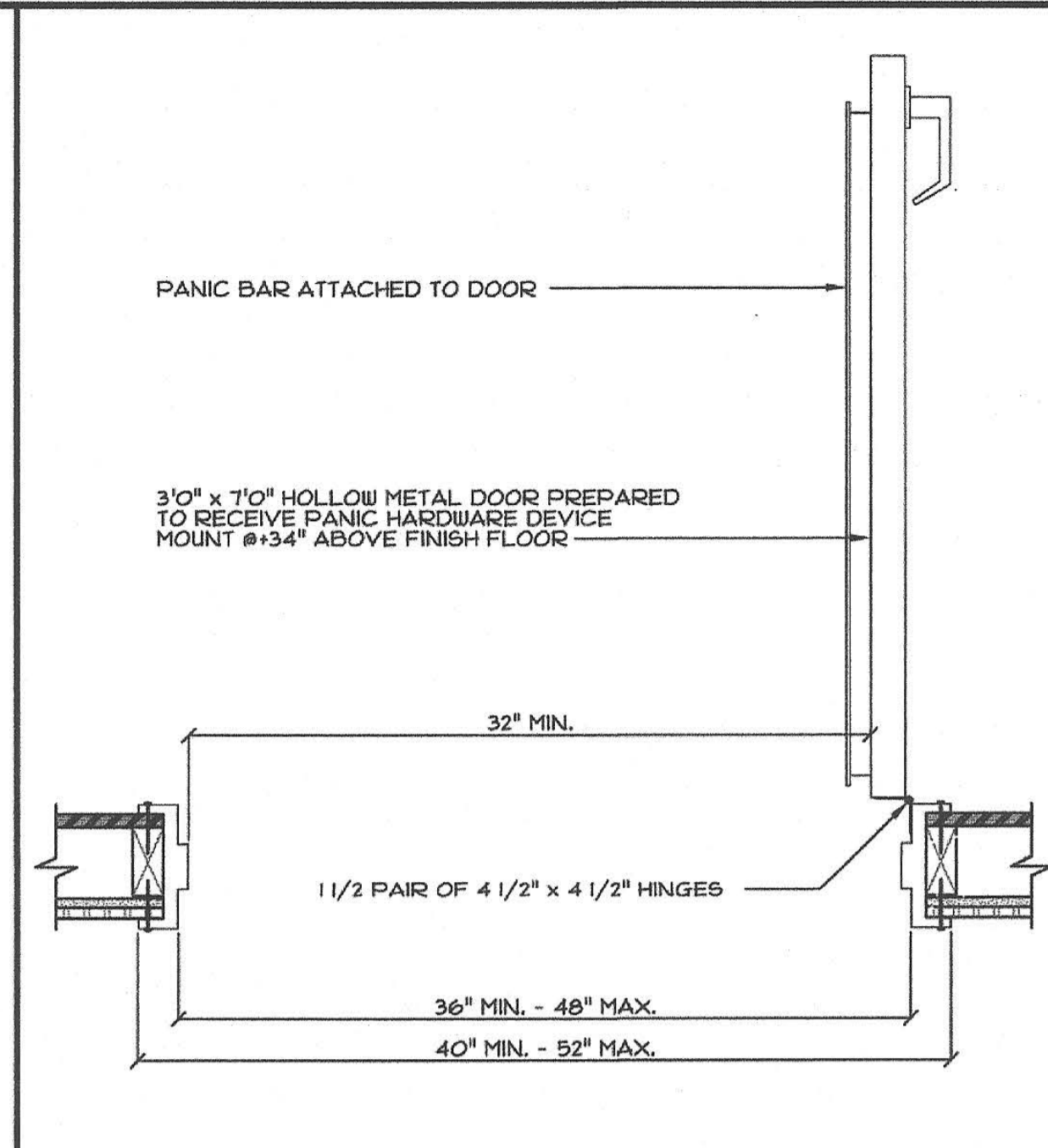
1 UPPER CABINET BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"



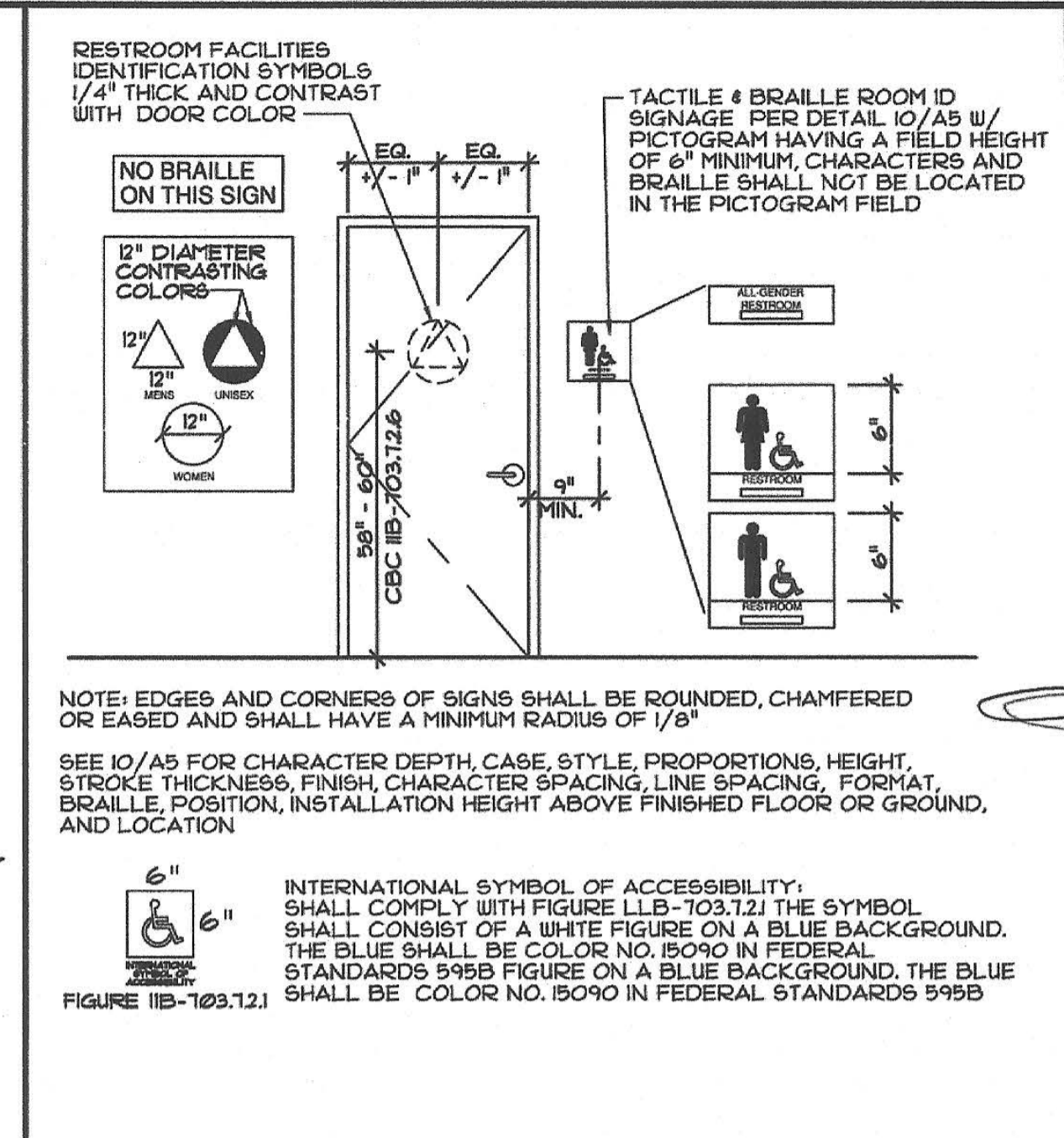
2 BASE CABINET BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"



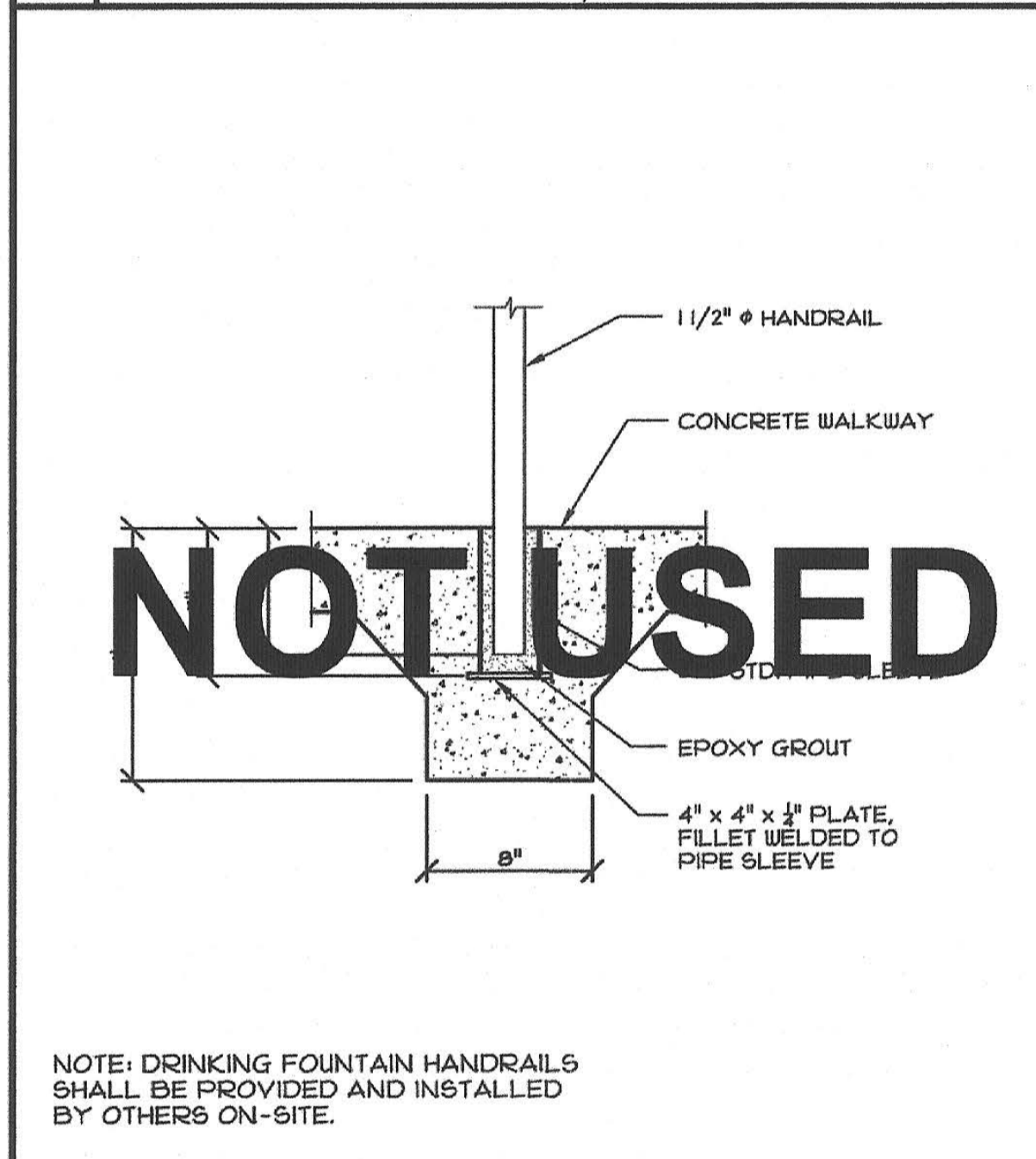
3 GRAB BAR BLOCKING DETAIL
SCALE: 3" = 1'-0"



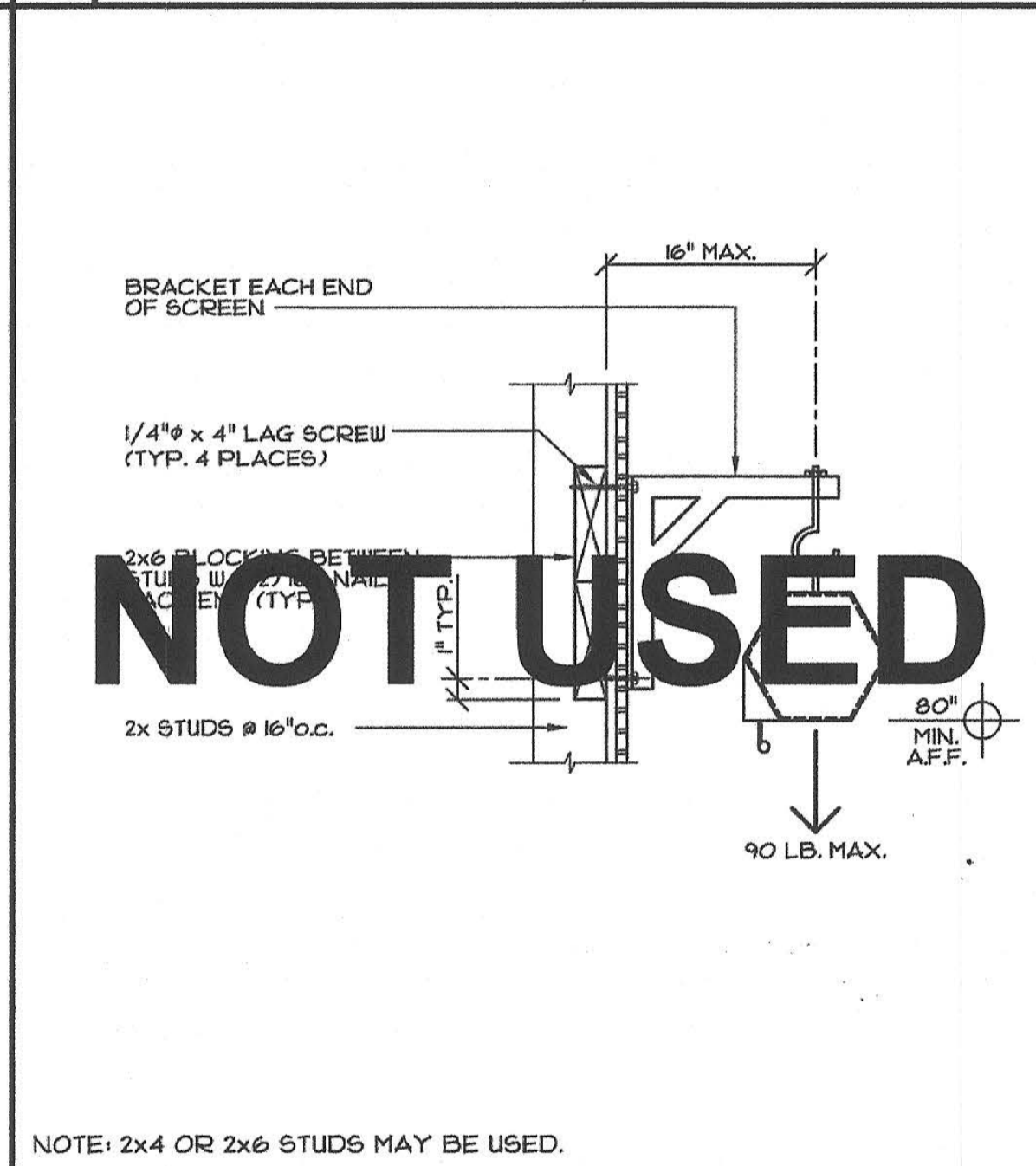
4 PANIC HARDWARE DETAIL
SCALE: 1 1/2" = 1'-0"



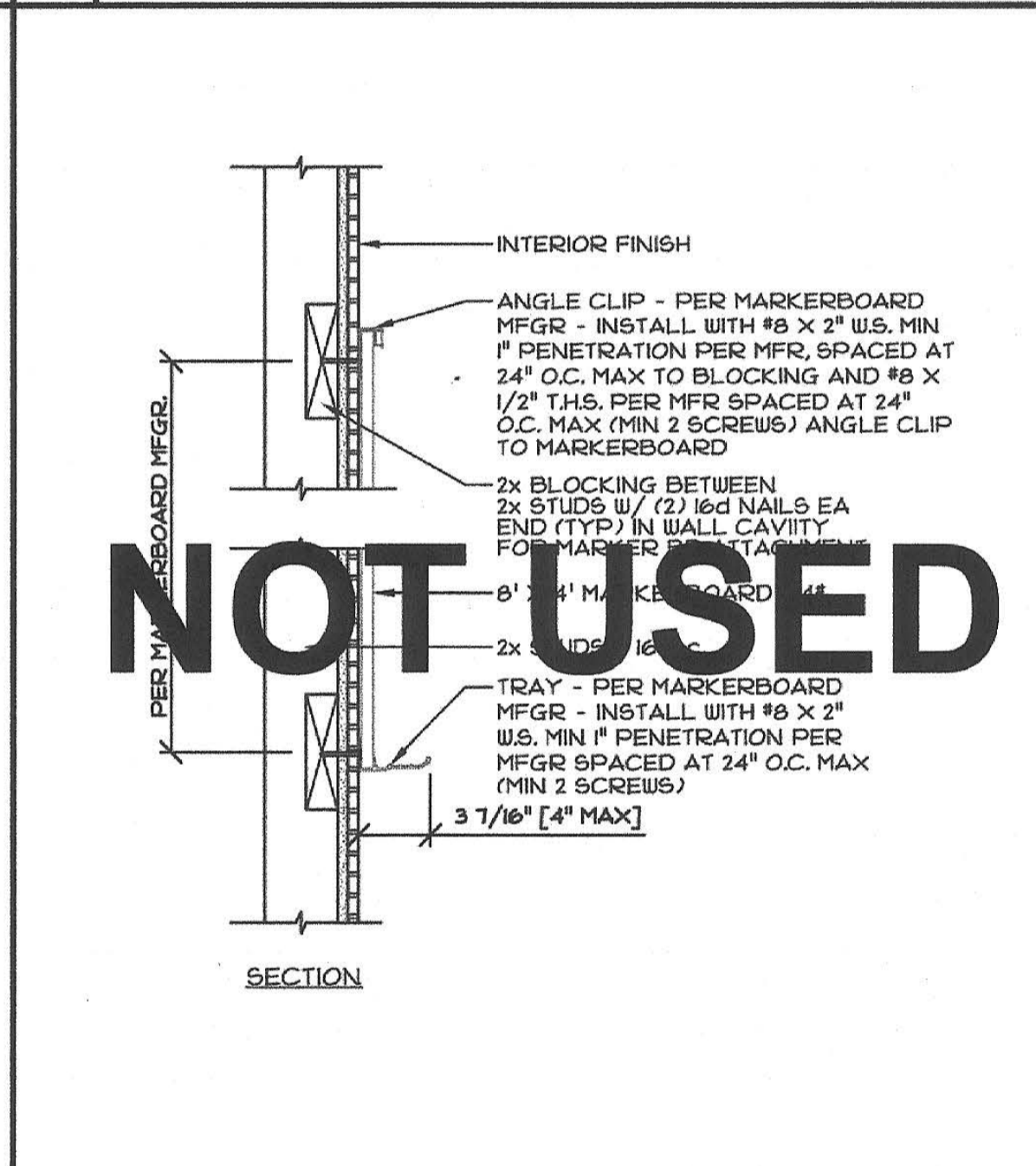
5 RESTROOM DOOR & ROOM IDENTIFICATION SIGNAGE
SCALE: 3/8" = 1'-0"



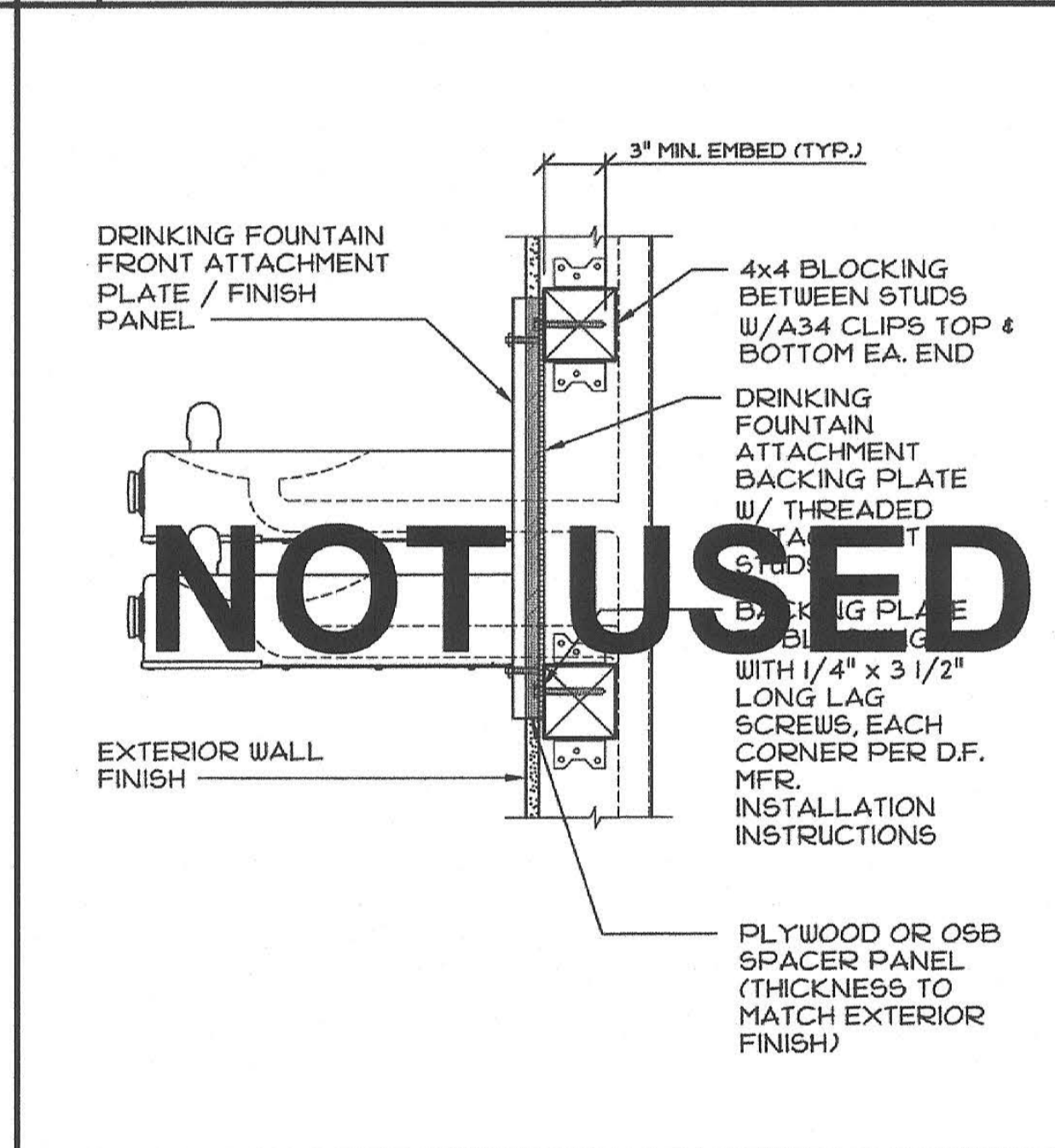
6 HANDRAIL VERTICAL TO CONC.
SCALE: 1 1/2" = 1'-0"



7 PROJECTOR SCREEN BLOCKING
SCALE: 1 1/2" = 1'-0"



8 MARKERBOARD BLOCKING
SCALE: 1 1/2" = 1'-0"



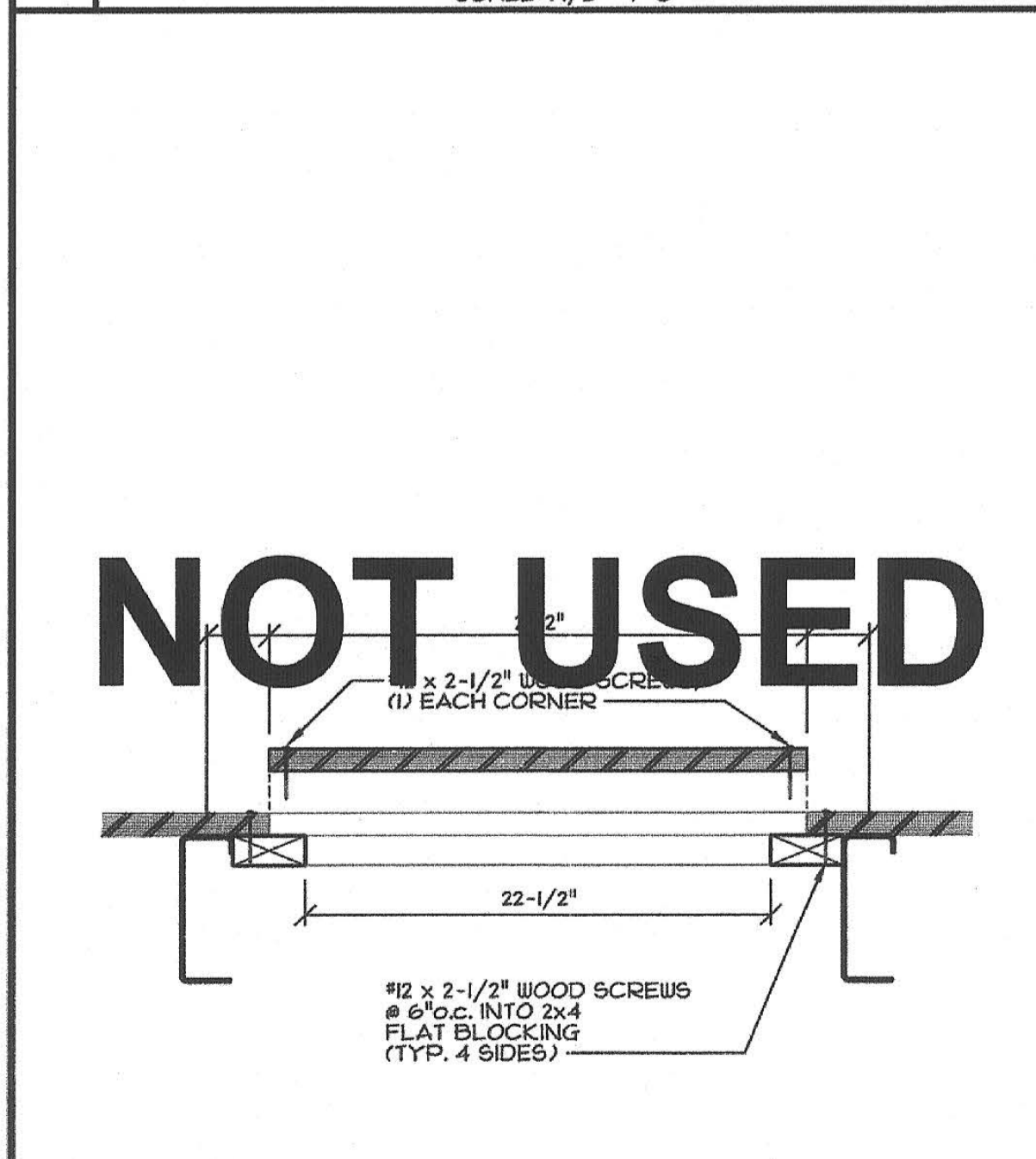
9 D.F. TO WALL ATTACHMENT
SCALE: NTS

10 TYP. ROOM IDENTIFICATION SIGNAGE
SCALE: 1 1/2" = 1'-0"

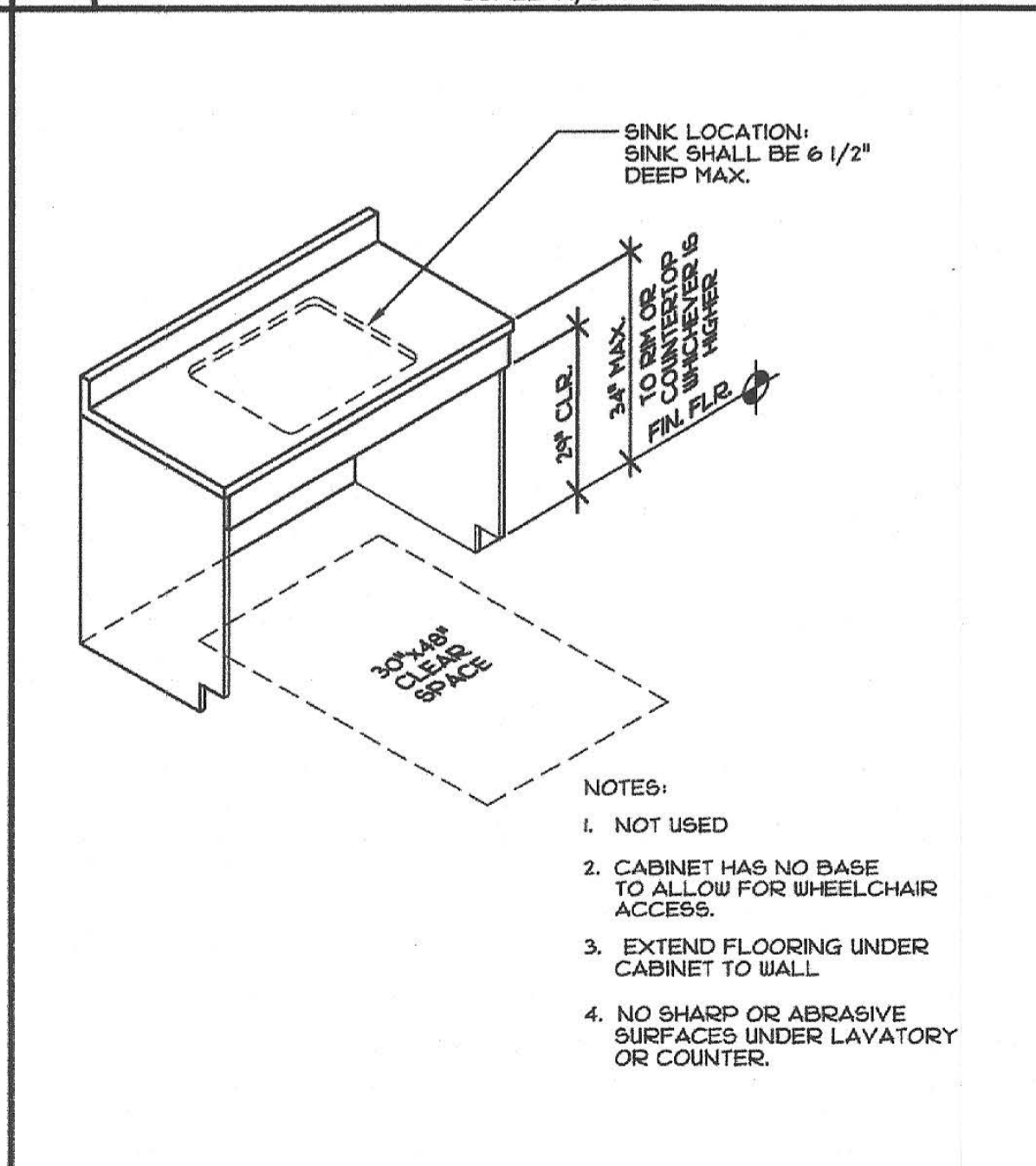
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC - FLS - SS - BDF
DATE 5/16/2019

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

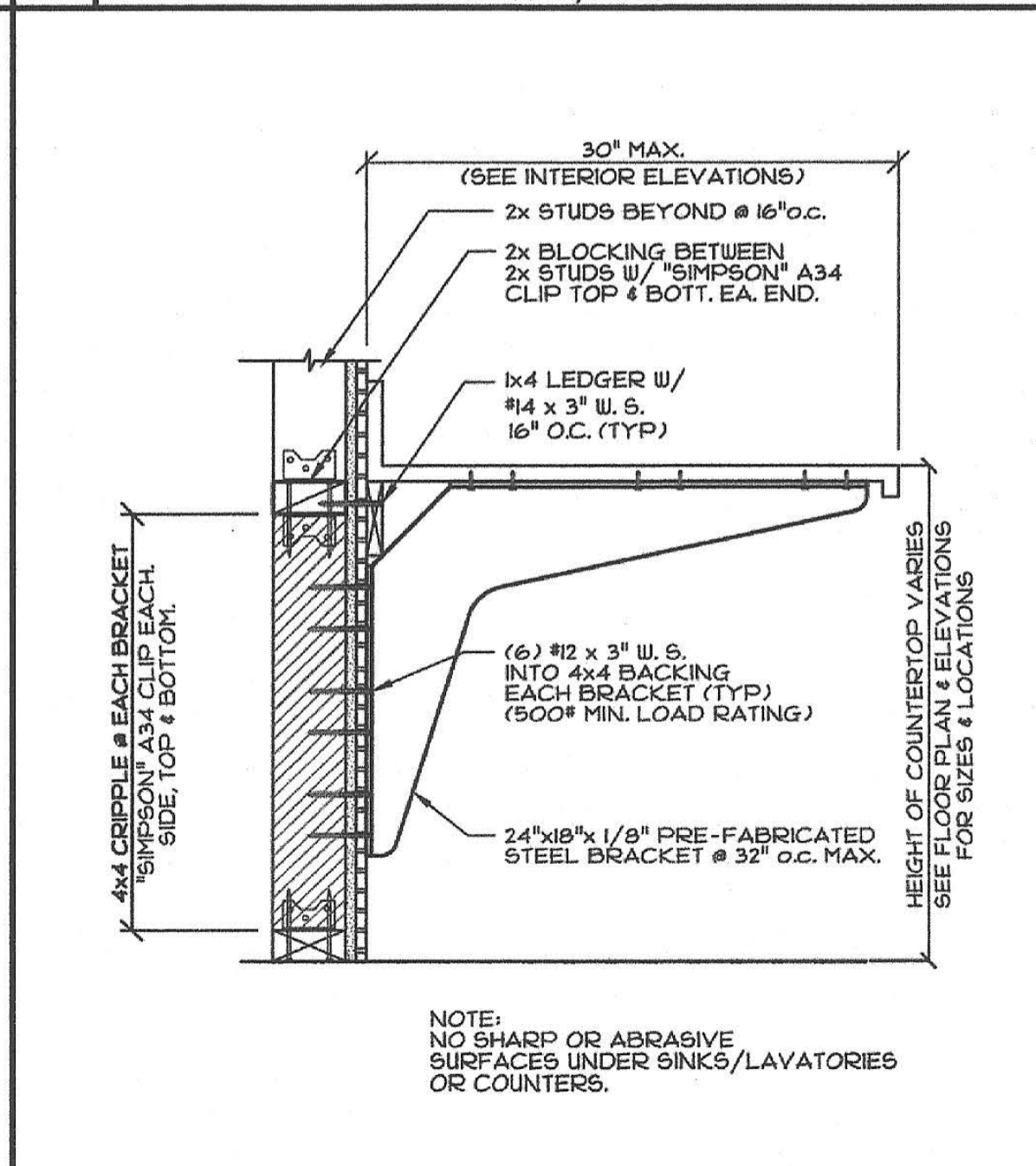
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
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AC - FLS - SS - BDF
DATE 9-6-2018



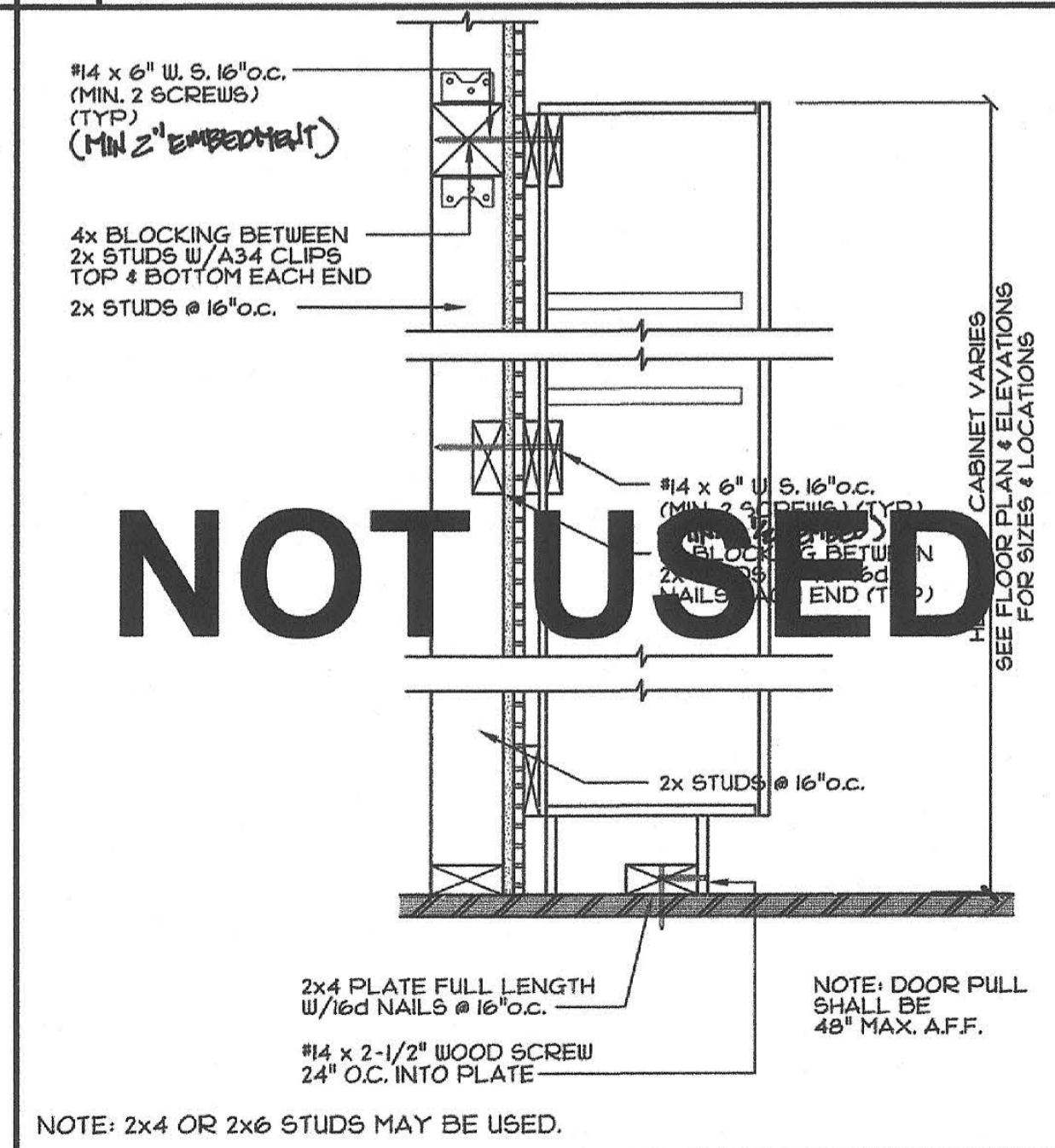
11 INTERIOR UNDERFLOOR ACCESS
SCALE: 1 1/2" = 1'-0"



12 ACCESSIBLE CASEWORK @ SINK
SCALE: 1 1/2" = 1'-0"



13 COUNTERTOP SUPPORT BRACKET
SCALE: 1 1/2" = 1'-0"



14 TALL CABINET BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"

CYS STRUCTURAL ENGINEERS INC.
5755 N. Central Expressway, Suite 200
Sacramento, CA 95821
(916) 486-1000
www.cyseng.com

05-13-2019

REGISTERED PROFESSIONAL ENGINEER
No. 52030

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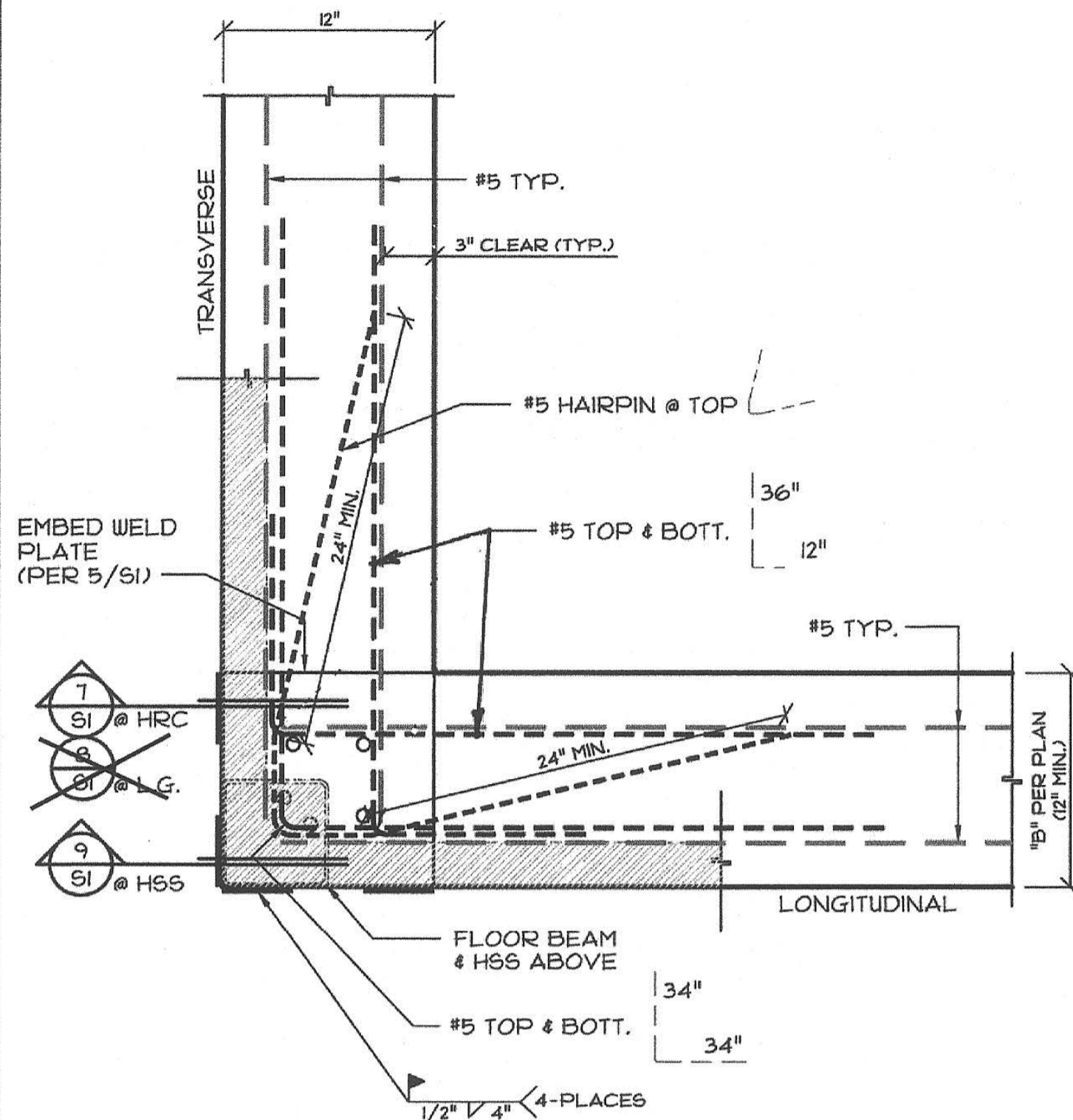
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215. (209) 466-8000

MISCELLANEOUS DETAILS

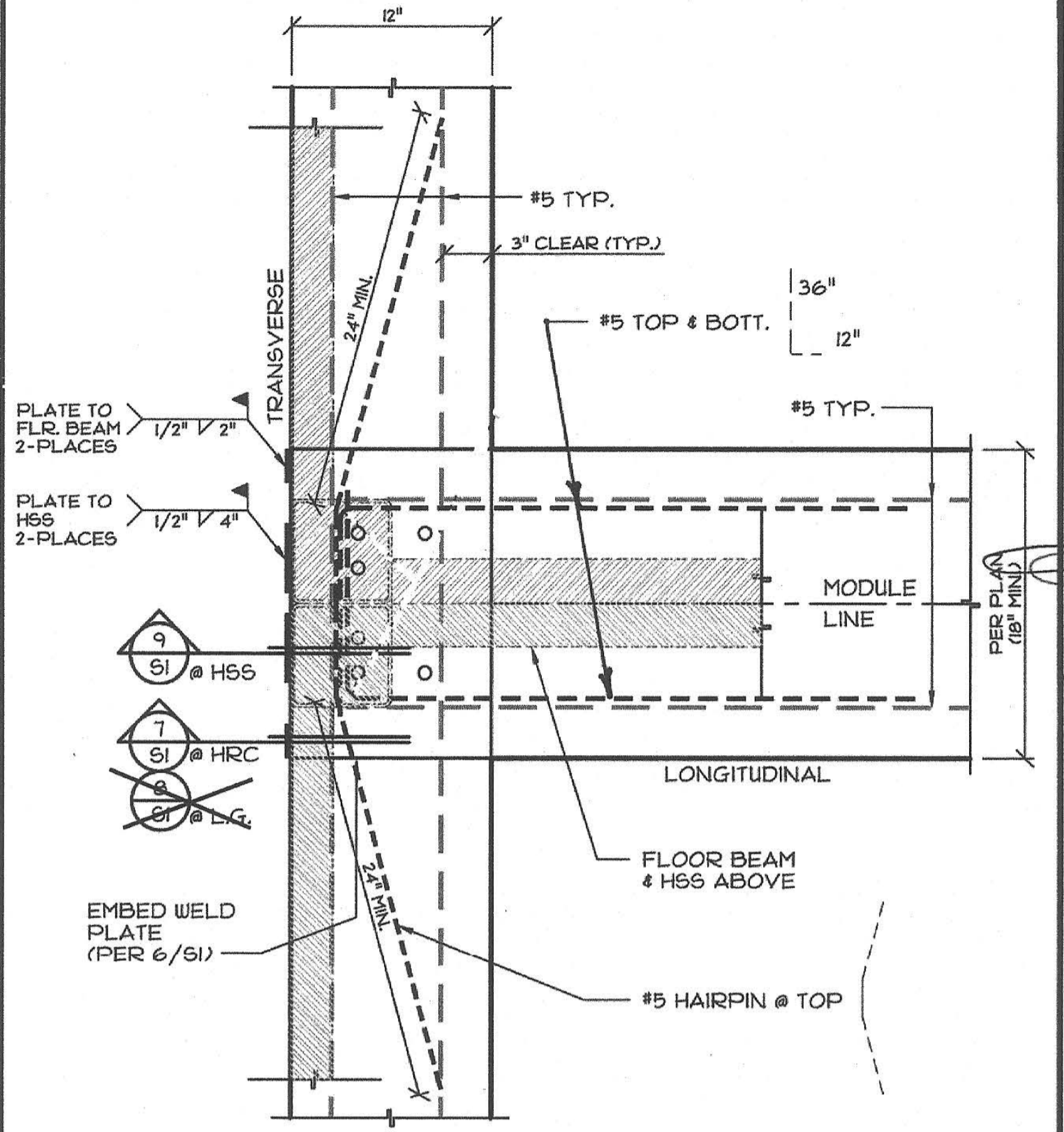
REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-116094
AC - FLS - SS - BDF
DATE 9-6-2018

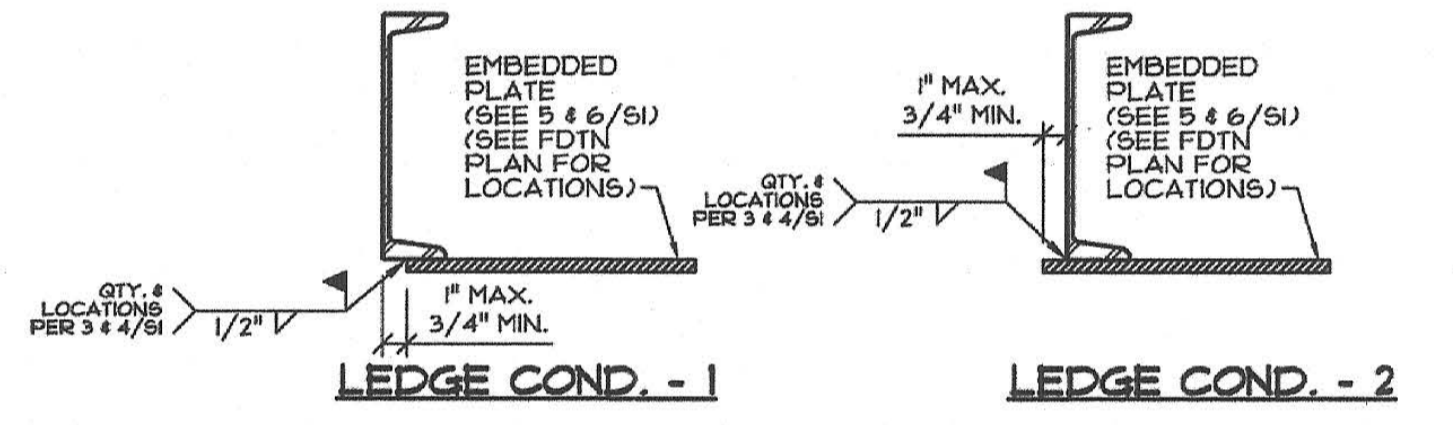
24x40 TO 120x40 P.C.



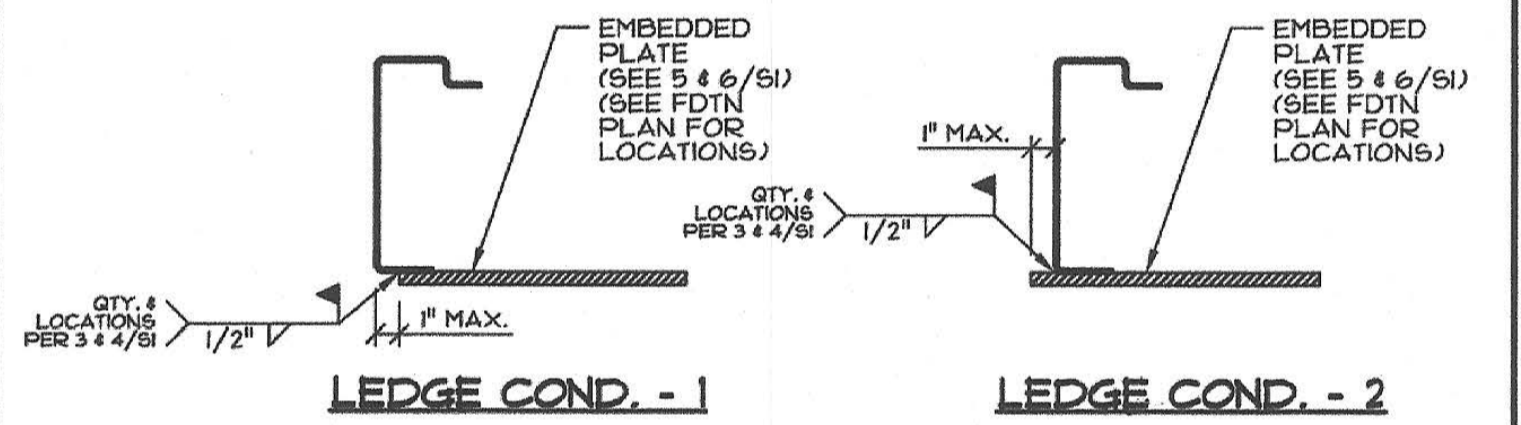
3 EMBED WELD PLATE & REBAR AT CORNER
SCALE: 1/2"=1'-0"



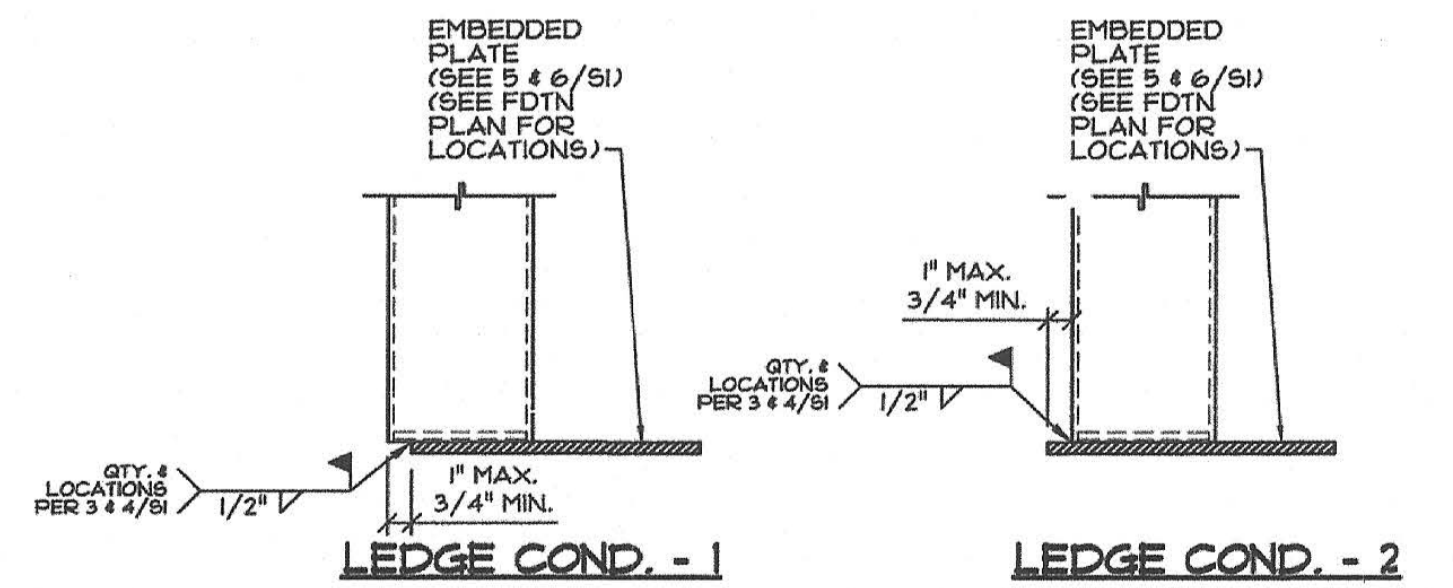
4 EMBED WELD PLATE & REBAR AT MODLINE
SCALE: 1/2"=1'-0"



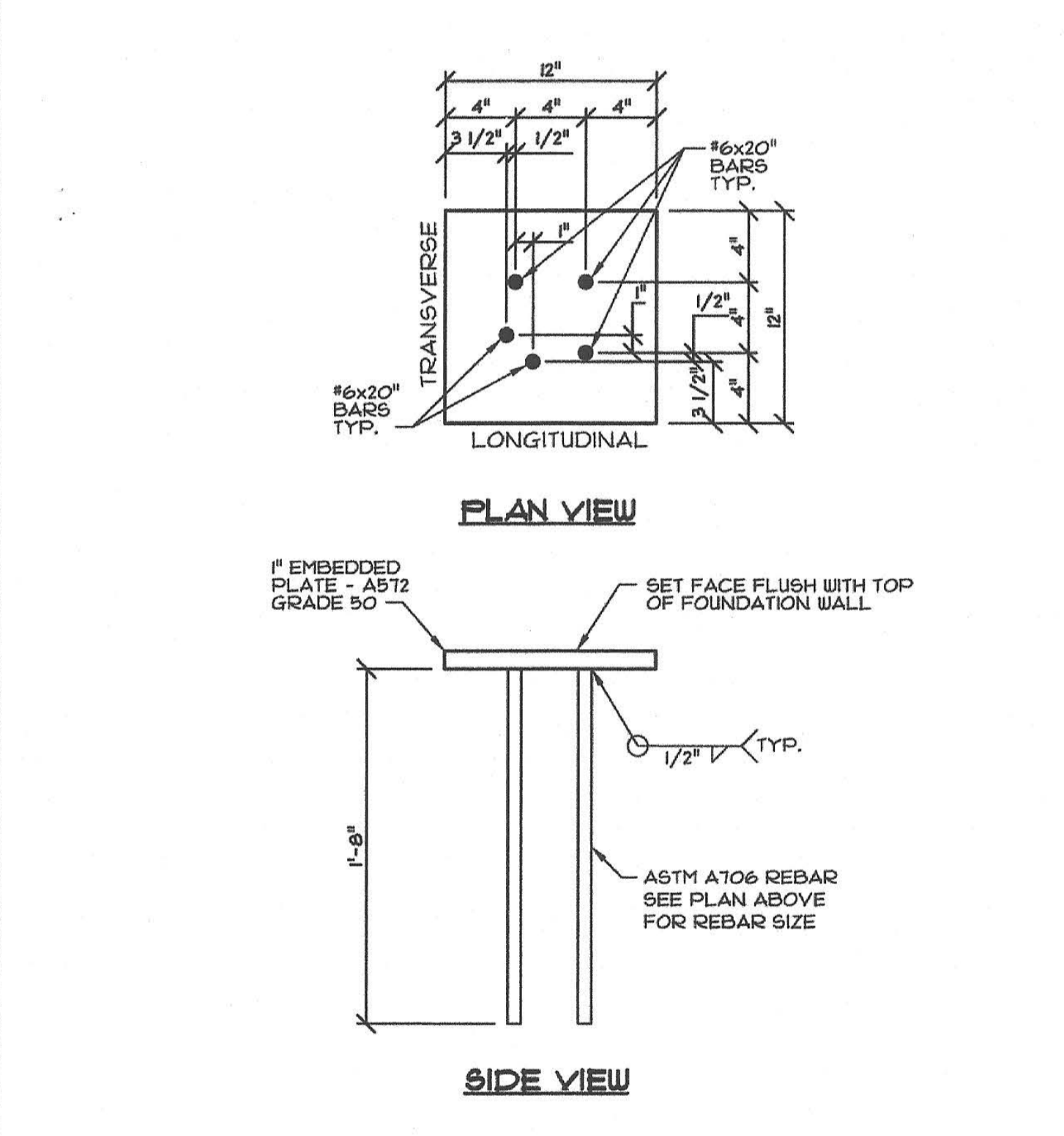
7 EMBED PLATE WELDED CONN. @ HRC
SCALE: 1/2"=1'-0"



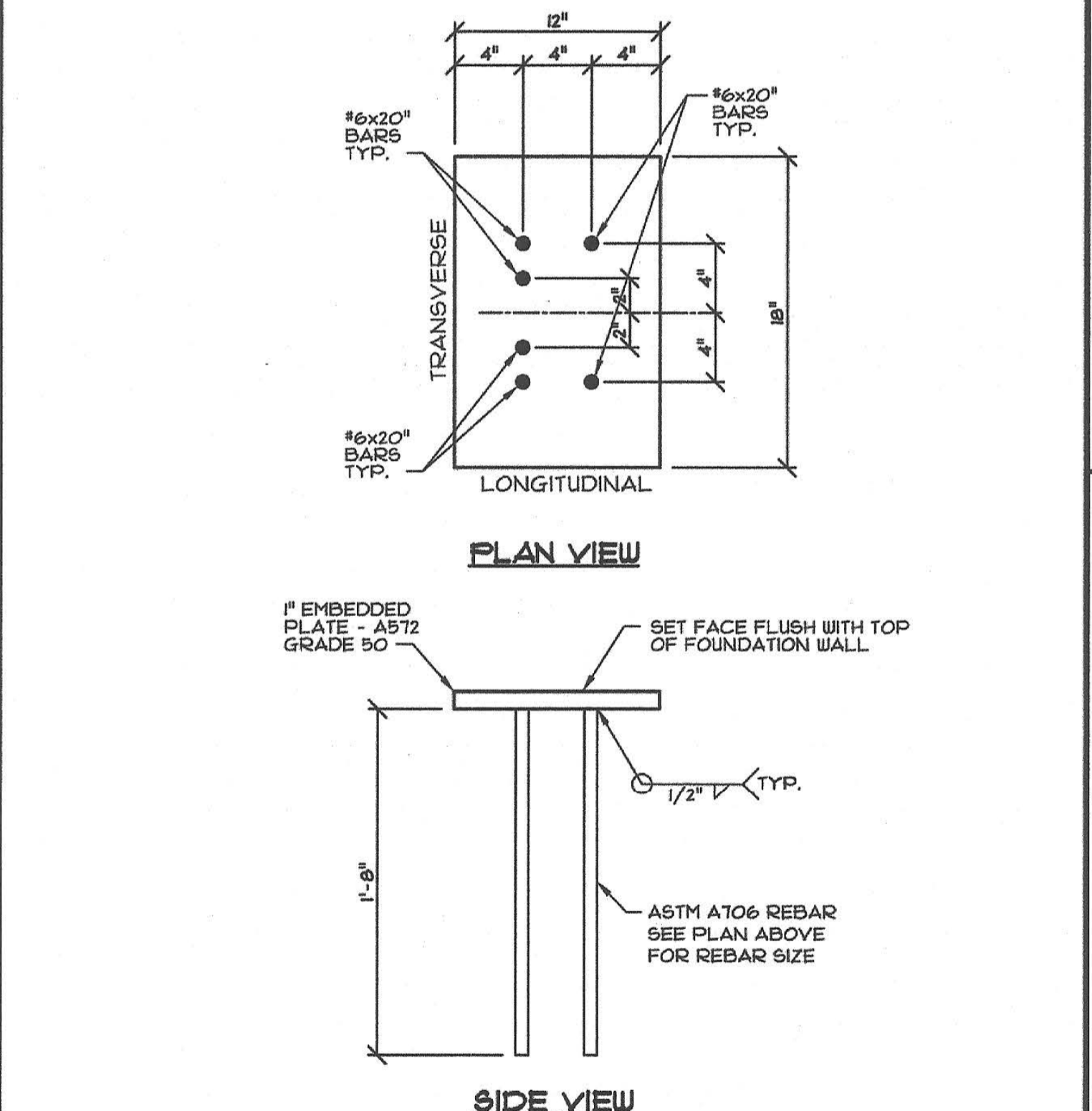
8 EMBED PLATE WELDED CONN. @ LIGHT GAGE
SCALE: 1/2"=1'-0"



9 EMBED PLATE WELDED CONN. @ HSS
SCALE: 1/2"=1'-0"



5 EMBED PLATE - CORNER
SCALE: 1/2"=1'-0"

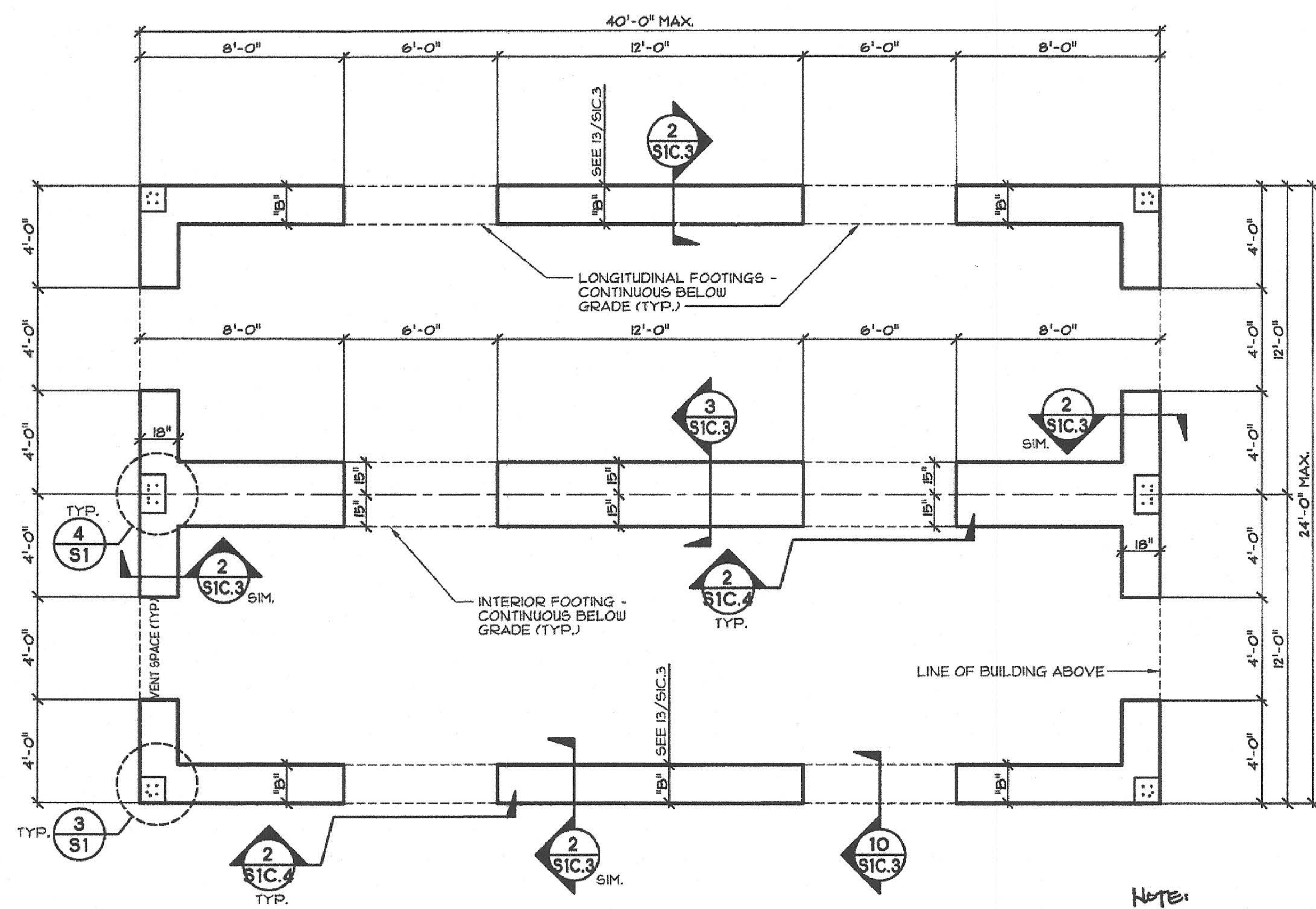


6 EMBED PLATE - MODULE LINE
SCALE: 1/2"=1'-0"

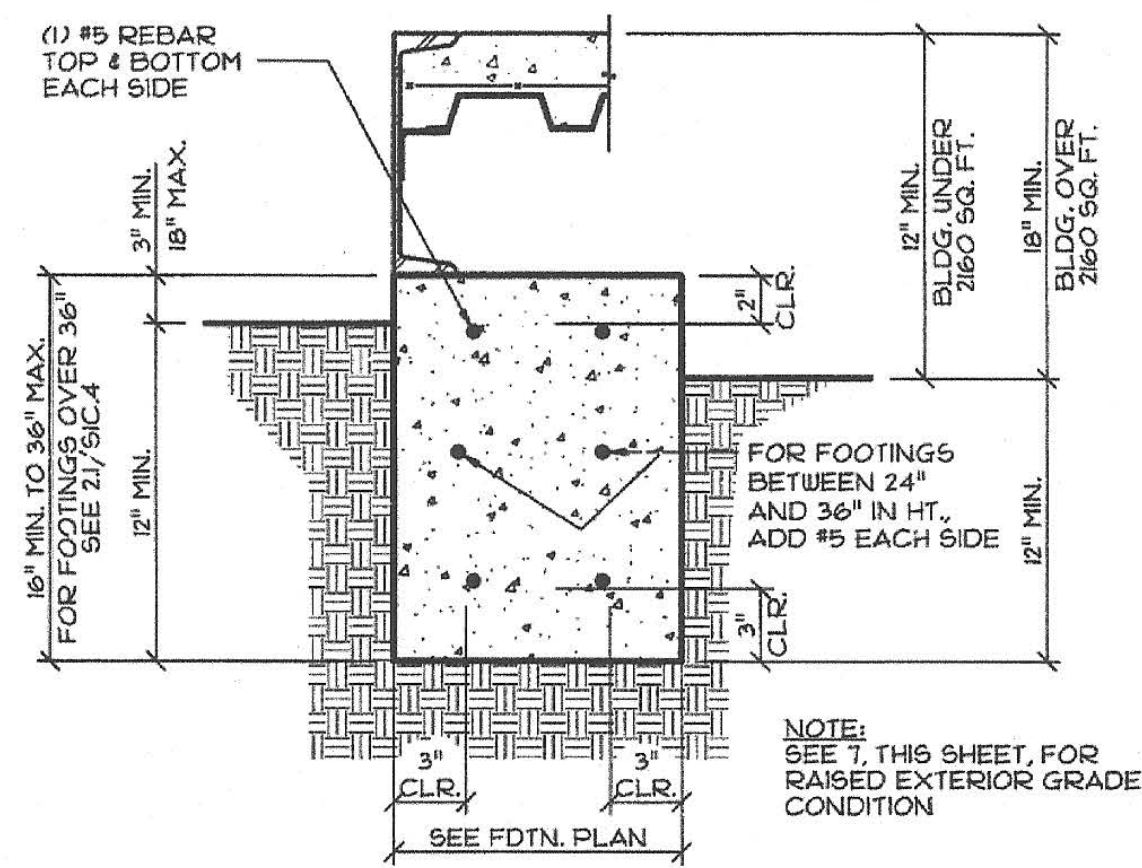
FOR USE:
1) 20 PSF ROOF LIVE LOAD W/ 50, 65, 125 & 150psf FLOOR LL.
2) ALL ROOF OPTIONS.
3) ALL EXTERIOR FINISH OPTIONS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC - FLS - SS
DATE 5/16/2019

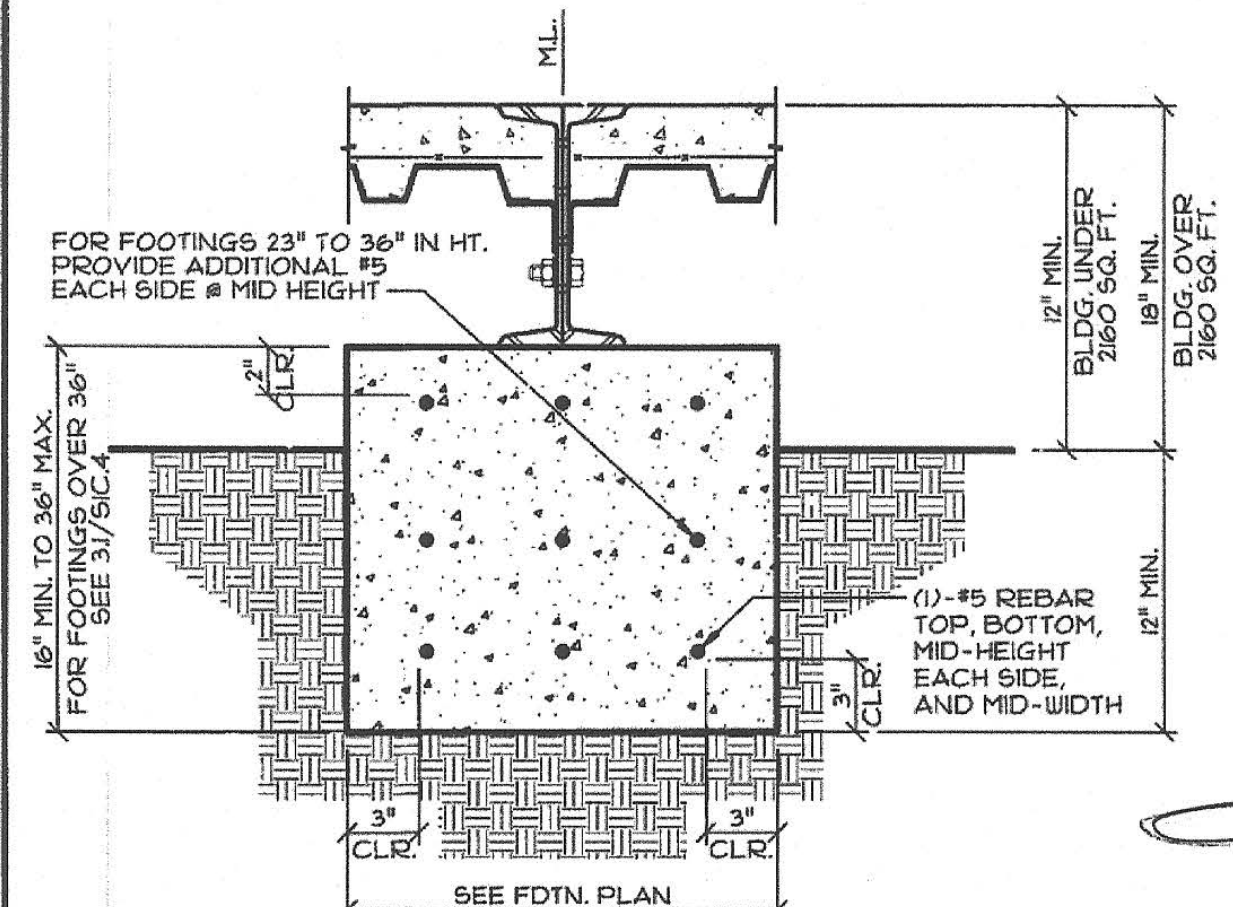
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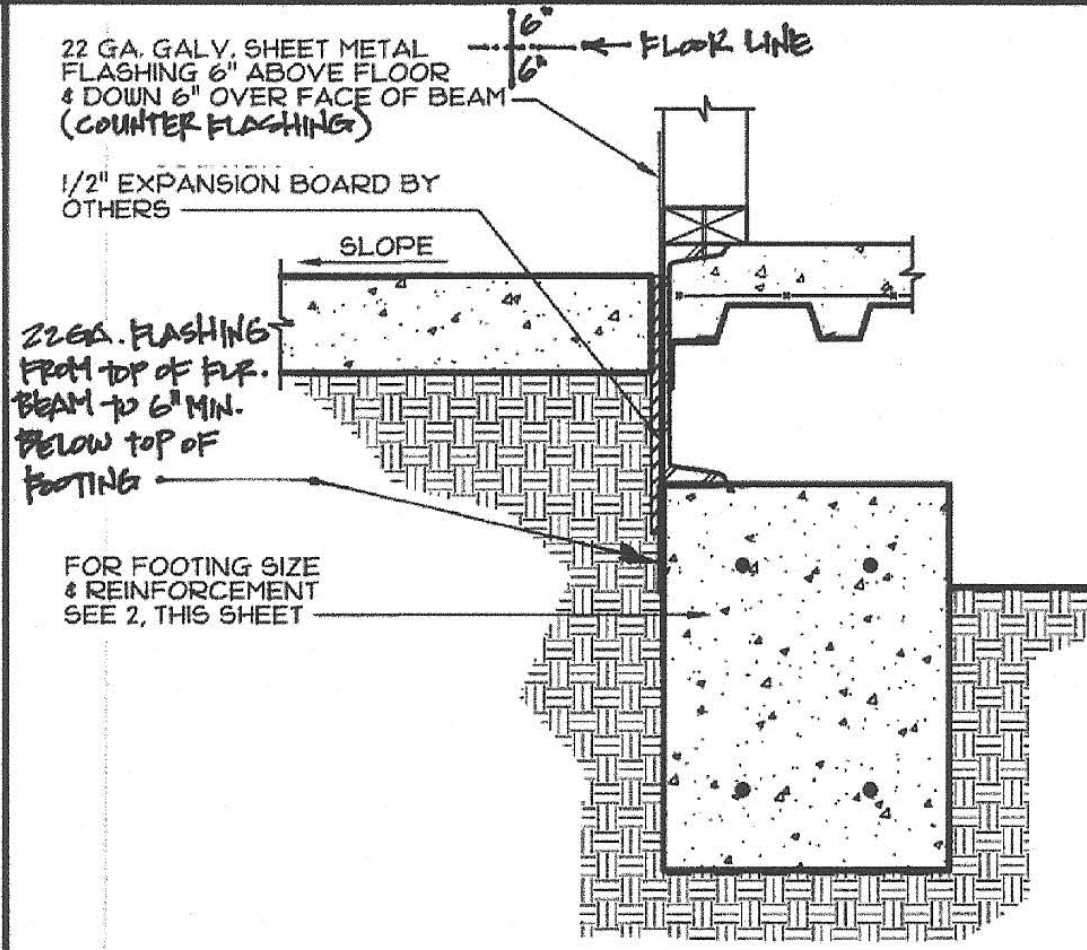
1 CONCRETE FOUNDATION PLAN
SCALE: 1/4"=1'-0"



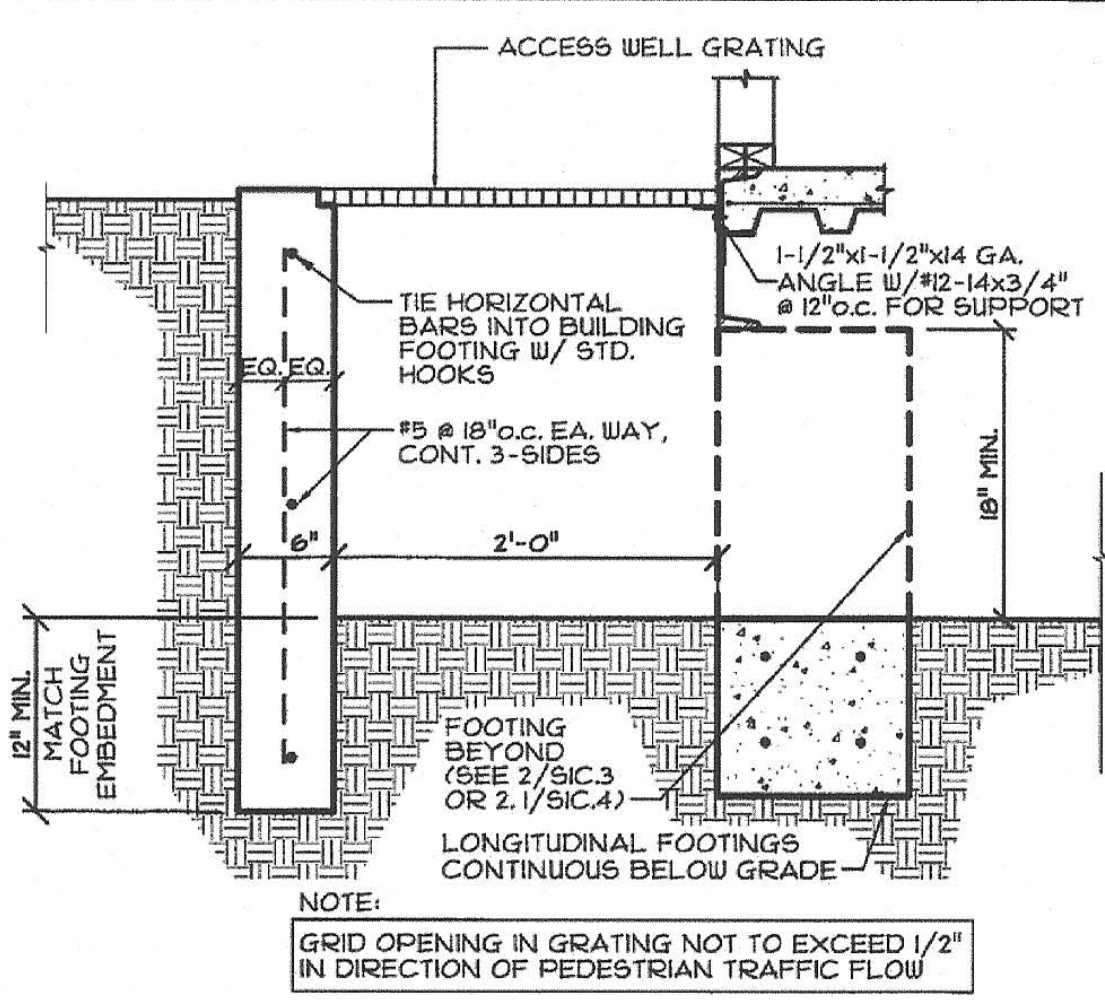
2 PERIMETER FOOTING DETAIL
SCALE: 1-1/2"=1'-0"



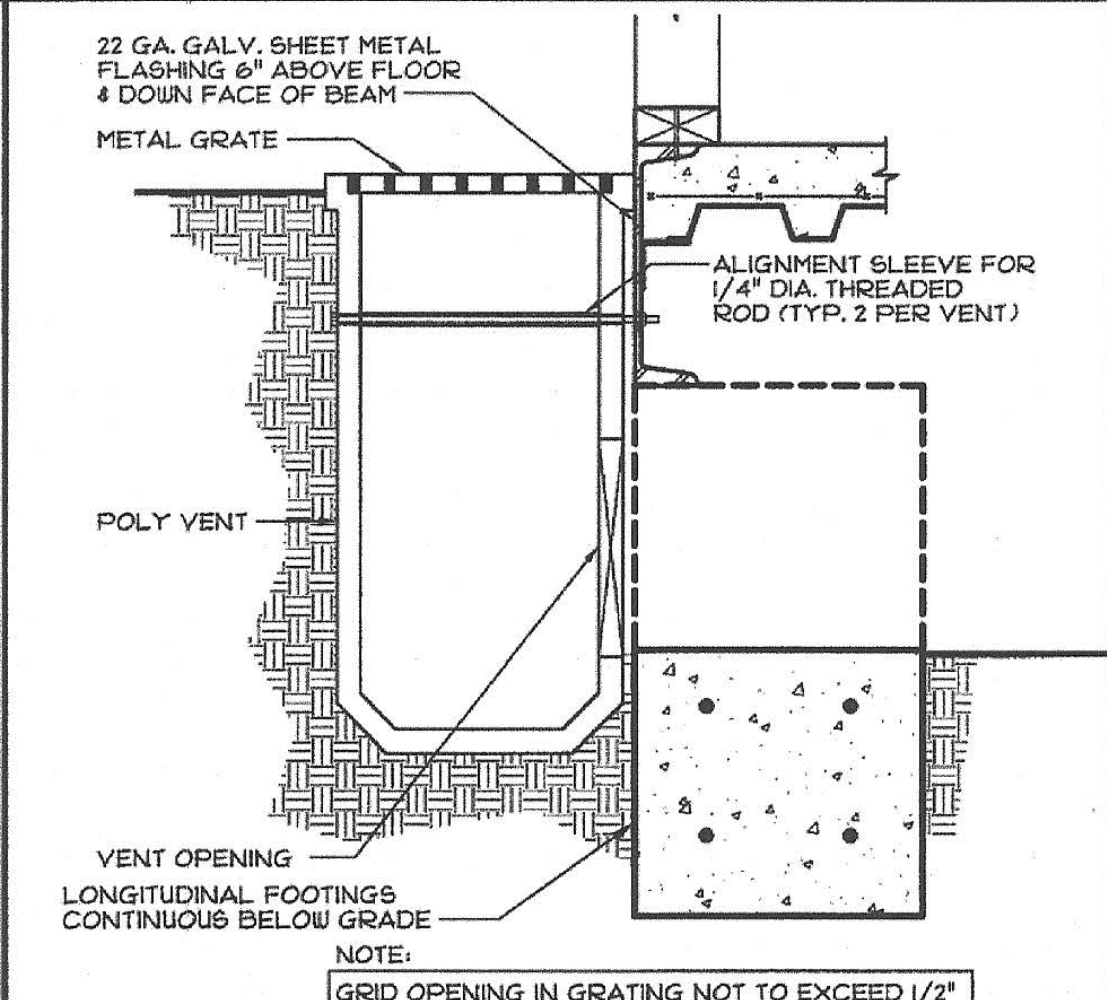
3 INTERIOR FOOTING DETAIL
SCALE: 1-1/2"=1'-0"



7 PERIMETER FLASHING DETAIL
SCALE: 1-1/2"=1'-0"



6 ACCESS / VENT WELL
SCALE: 1"=1'-0"



10 POLYVENT DETAIL
SCALE: 1 1/2"=1'-0"

NO. OF MODULES	2	3	4	5	6	7	8	9	10
EFFECTIVE NET AIR FLOW AREA (SQ. FT.)	6.40	9.60	12.8	16.0	19.2	22.4	25.6	28.8	32.0

NOTE:
1) THE ACTUAL LOCATIONS AND SIZES OF UNDER FLOOR VENTILATION OPENINGS SHALL BE SHOWN ON THE FOUNDATION PLAN, OR FLOOR PLAN OF THE SITE SPECIFIC PROJECT.
2) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH HARDWARE CLOTH OF 0.039 WIRE OR HEAVIER, EXTRUDED LOAD BEARING VENTS, OR CAST IRON GRILLES OR GRATINGS. THE LEAST DIMENSION IN THE VENT COVERING SHALL NOT BE GREATER THAN 1/4".

5 MIN. UNDERFLOOR VENTILATION REQ.

ALLOWABLE BEARING (psf)	MODULE CONFIGURATION	FOOTING WIDTH (inches)		
		CLASSROOM (50 psf & 50' x 50' psf)	125psf	150psf
1500	STD 24-PITCH STD SHEED - NO STUCCO	18	18	18
	ALL ROOF OPTIONS - NO STUCCO	18	18	18
	ALL ROOF OPTIONS - STUCCO	18	18	18

13 "B" FOOTING WIDTH SCHEDULE

- NOTES:
- ALLOWABLE SOIL BEARING PRESSURE IS 1500 P.S.F.
 - CONCRETE FOR FOOTINGS SHALL HAVE A MINIMUM STRENGTH F_c = 3000 P.S.I., PER 1905A.1.3 MADE WITH 1" MAX ASTM C-33 AGGREGATES PER ACI 318-14 SECTION 26.4.1.2 AND IN ACCORDANCE WITH CBC SECTION 1903A.4.5
 - MIX DESIGN SHALL BE PER ACI 318-14 SECTION 26.4.3.1
 - REINFORCING BARS SHALL BE A615, GRADE 60 MIN.
 - VENTILATION TO MEET REQUIREMENTS PER IR 16-116. PROVIDE MINIMUM 1 SQ. FT. OF NET FREE VENT SPACE PER 150 SQ. FT. (PROVIDE 2" MINIMUM CLEARANCE)
 - NOT USED.
 - TESTING OF REINFORCING BARS USED IN SINGLE STORY BUILDINGS MAY BE WAIVED PROVIDED CERTIFIED MILL TEST REPORTS ARE PROVIDED FOR EACH SHIPMENT OF SUCH REINFORCEMENT (CBC 1913A.0).
 - CONCRETE MIX SHALL HAVE A MAXIMUM 0.50 WATER CEMENT RATIO.
 - ADD WATER REDUCING ADMIXTURE IN COMPLIANCE WITH ASTM C494 TYPE A.
 - CEMENTITIOUS FLY ASH OR SLAG MAY REPLACE A MAX. OF 20% OF CEMENT BY WEIGHT.

11 GENERAL NOTES

FOR USE:
1) 20 PSF ROOF LIVE LOAD W/ 50, 65, 125 & 150psf. FLOOR L.L.
2) ALL ROOF OPTIONS.
3) ALL EXTERIOR FINISH OPTIONS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC - FLS - SS - SS
DATE 5/10/18

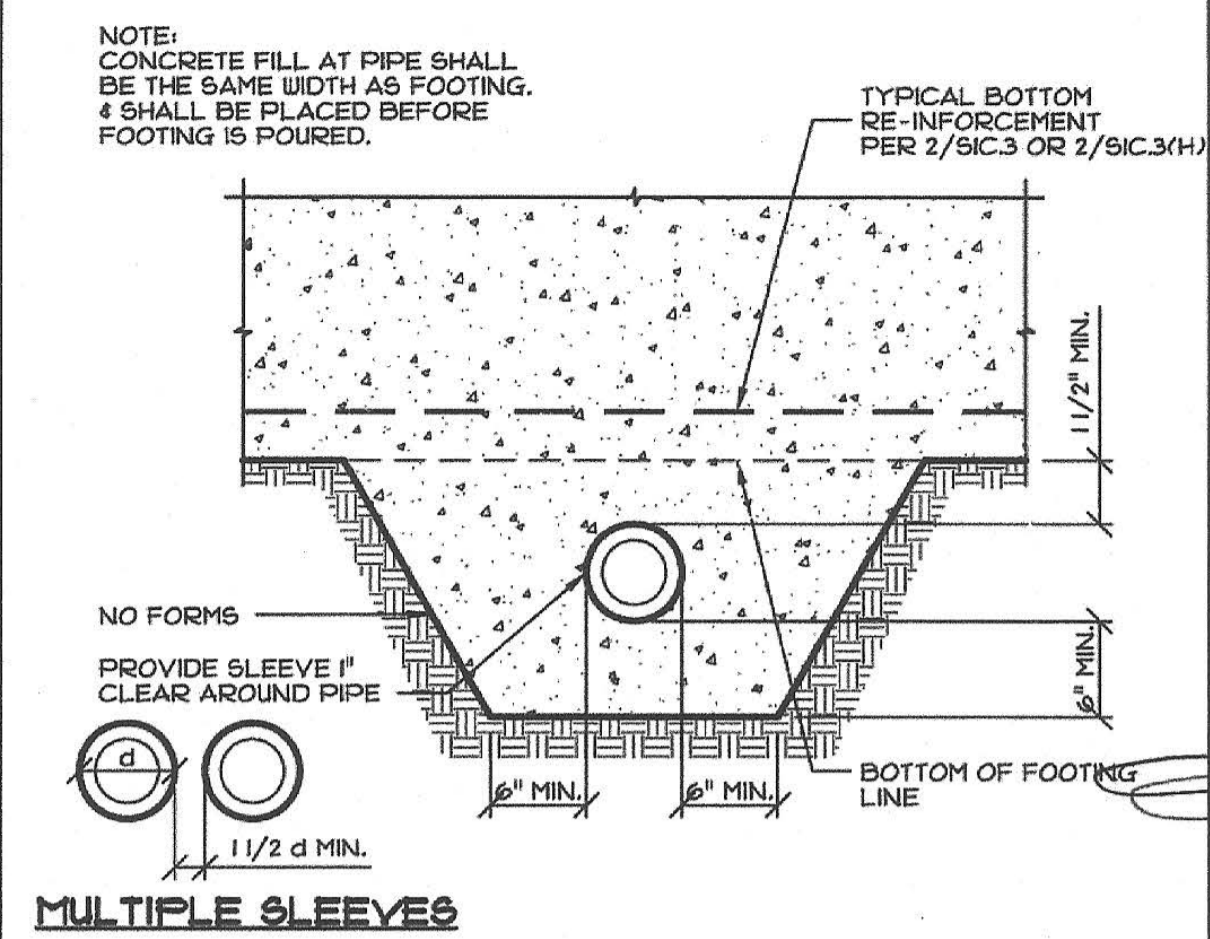
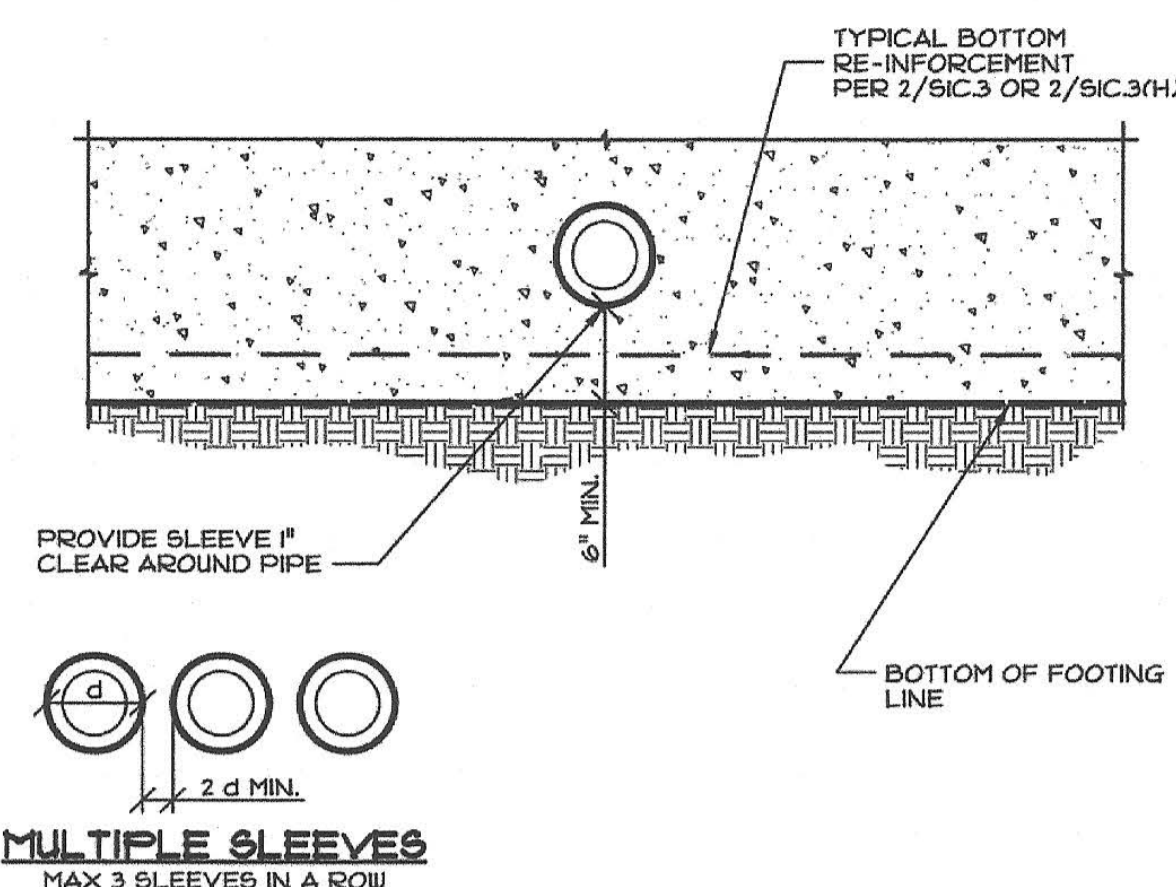
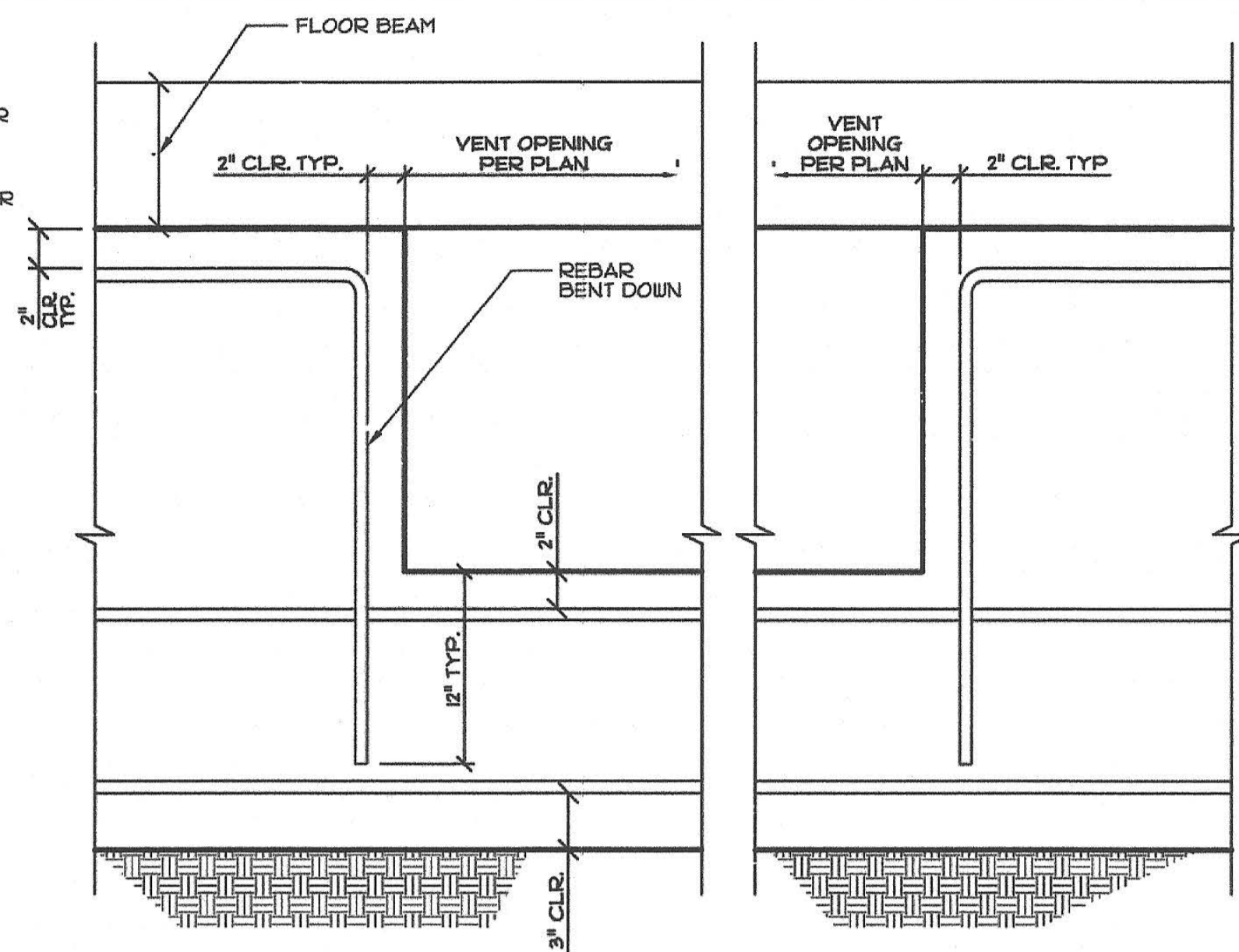
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DATE 9-6-2018
2015 - 2000

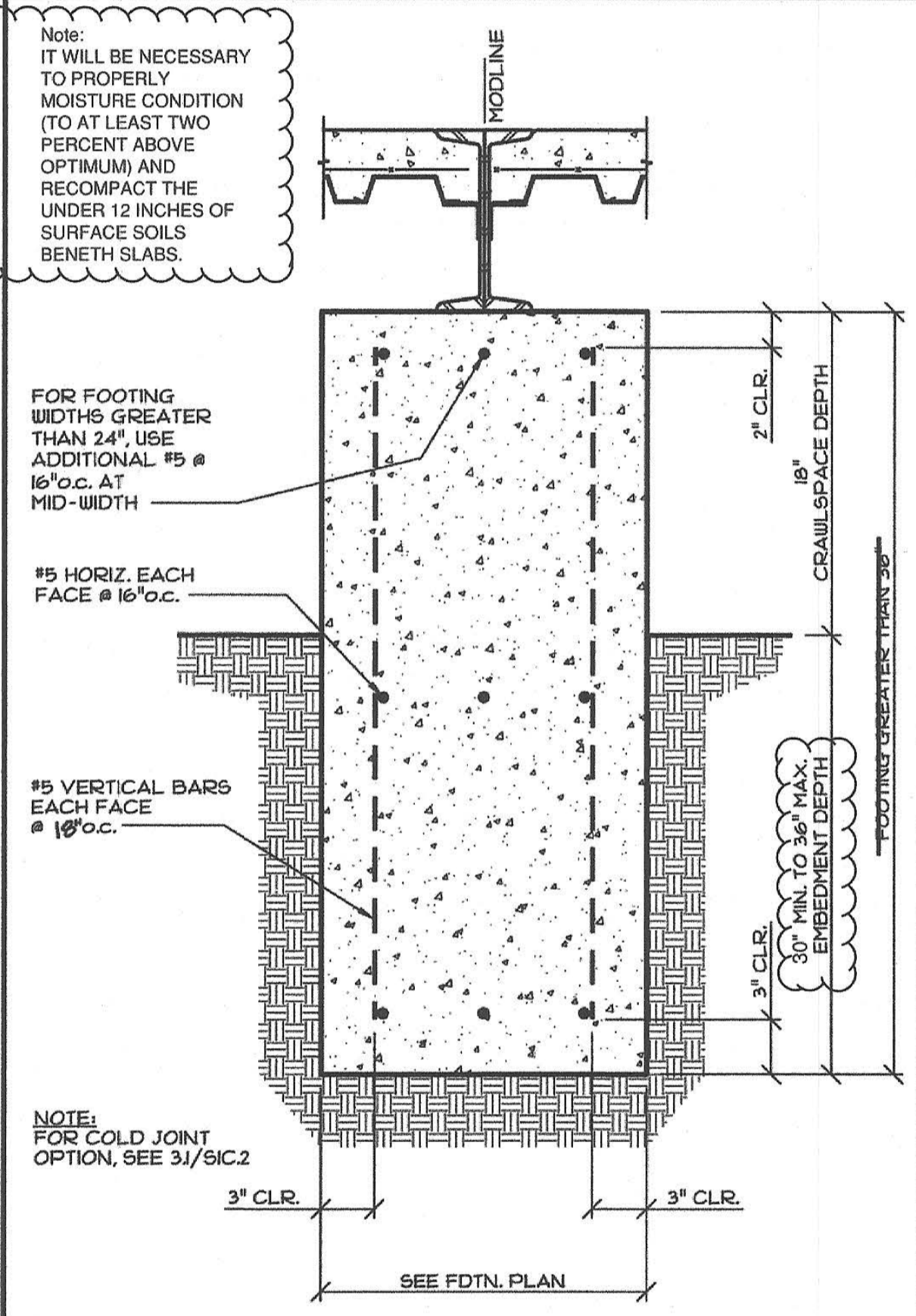
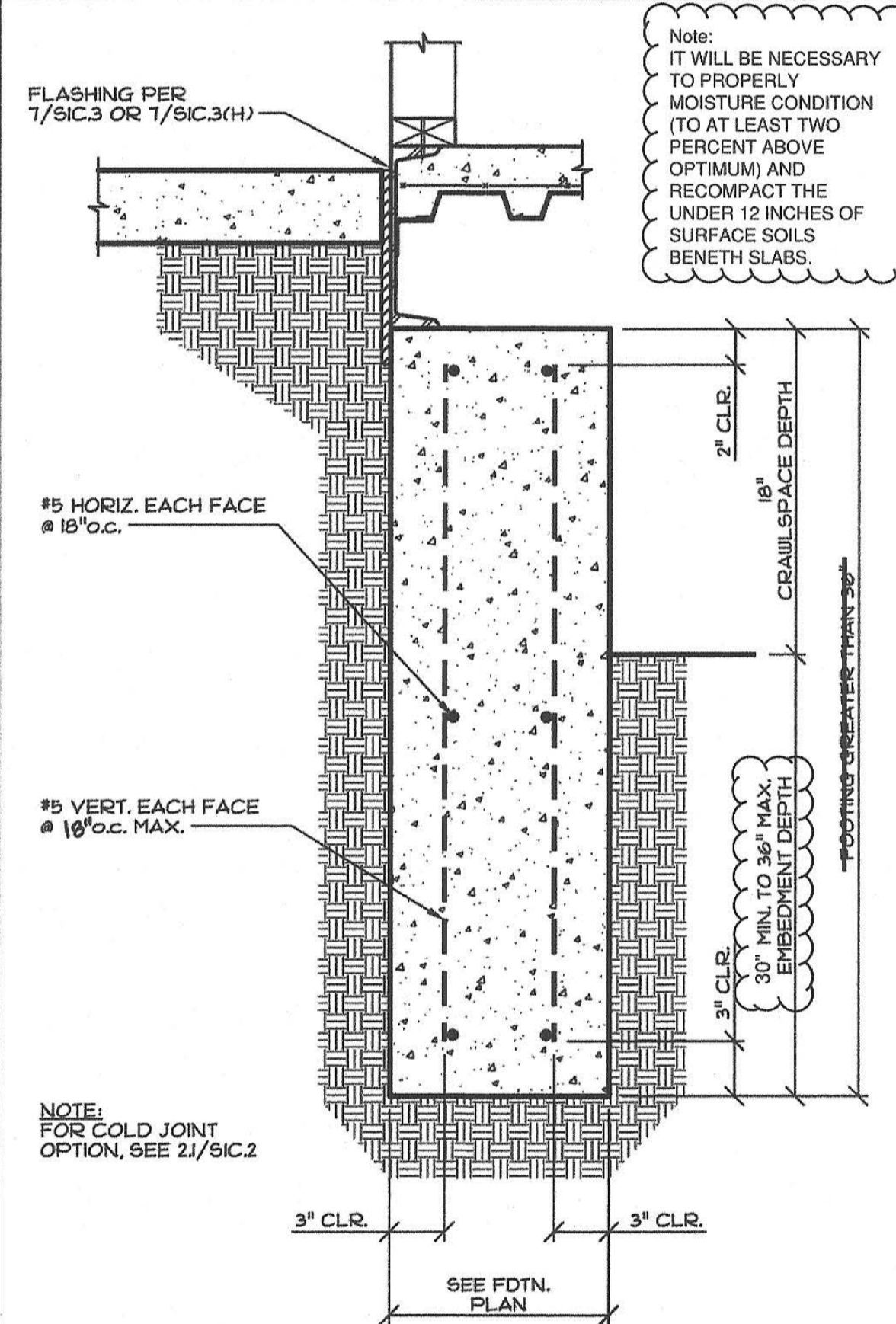
5A

8

NOTE:
SEE 2/51C.3, 2/51C.3(H) OR 21/51C.4 FOR PERIMETER FOOTING REINFORCEMENT.
SEE 3/51C.3, 3/51C.3(H) OR 31/51C.4 FOR INTERIOR FOOTING REINFORCEMENT.



2 FOOTING AT VENT OPENING
SCALE: NOT TO SCALE

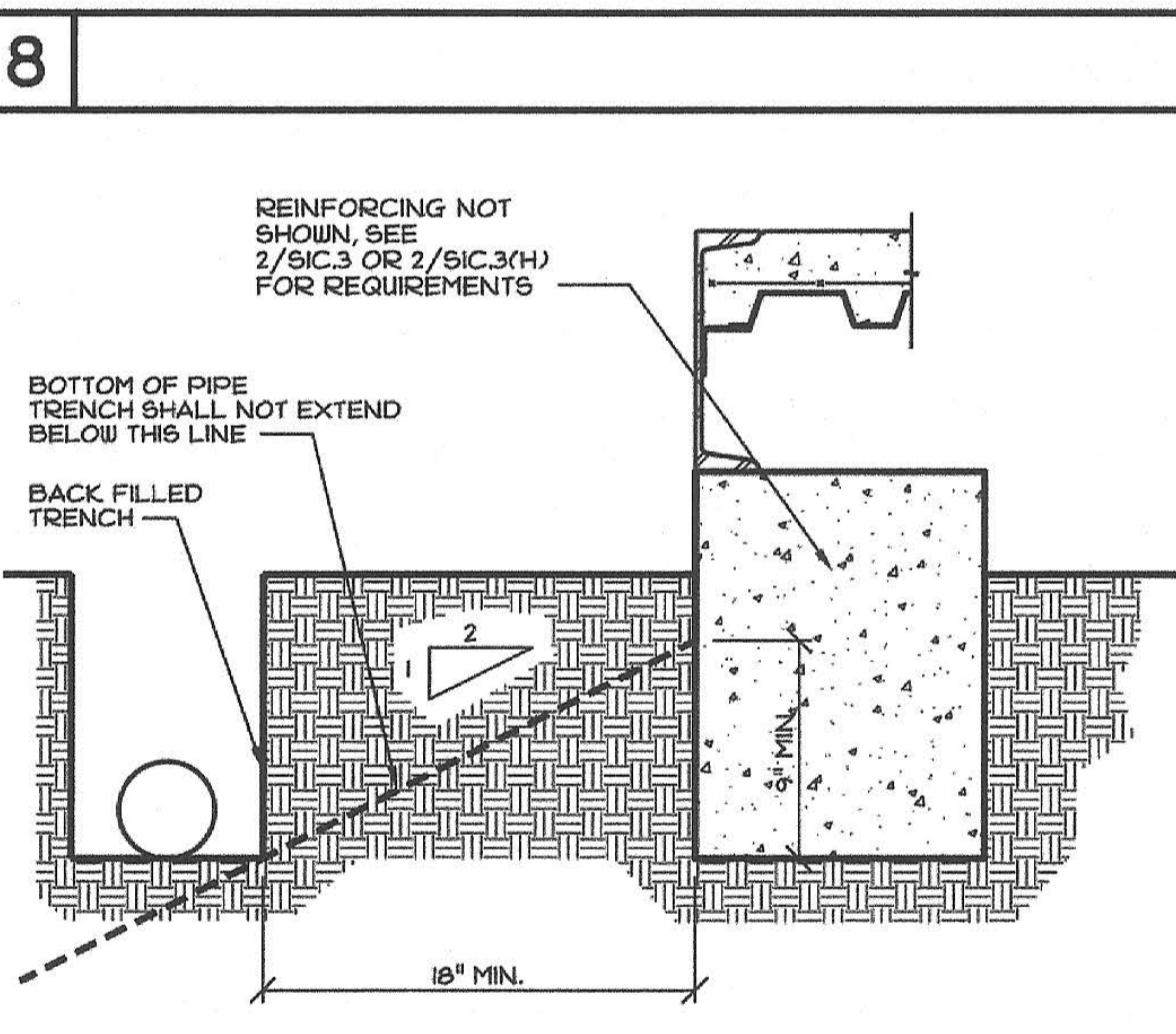


2.1 FOOTING GREATER THAN 36" HT.
SCALE: 1/2"=1'-0"

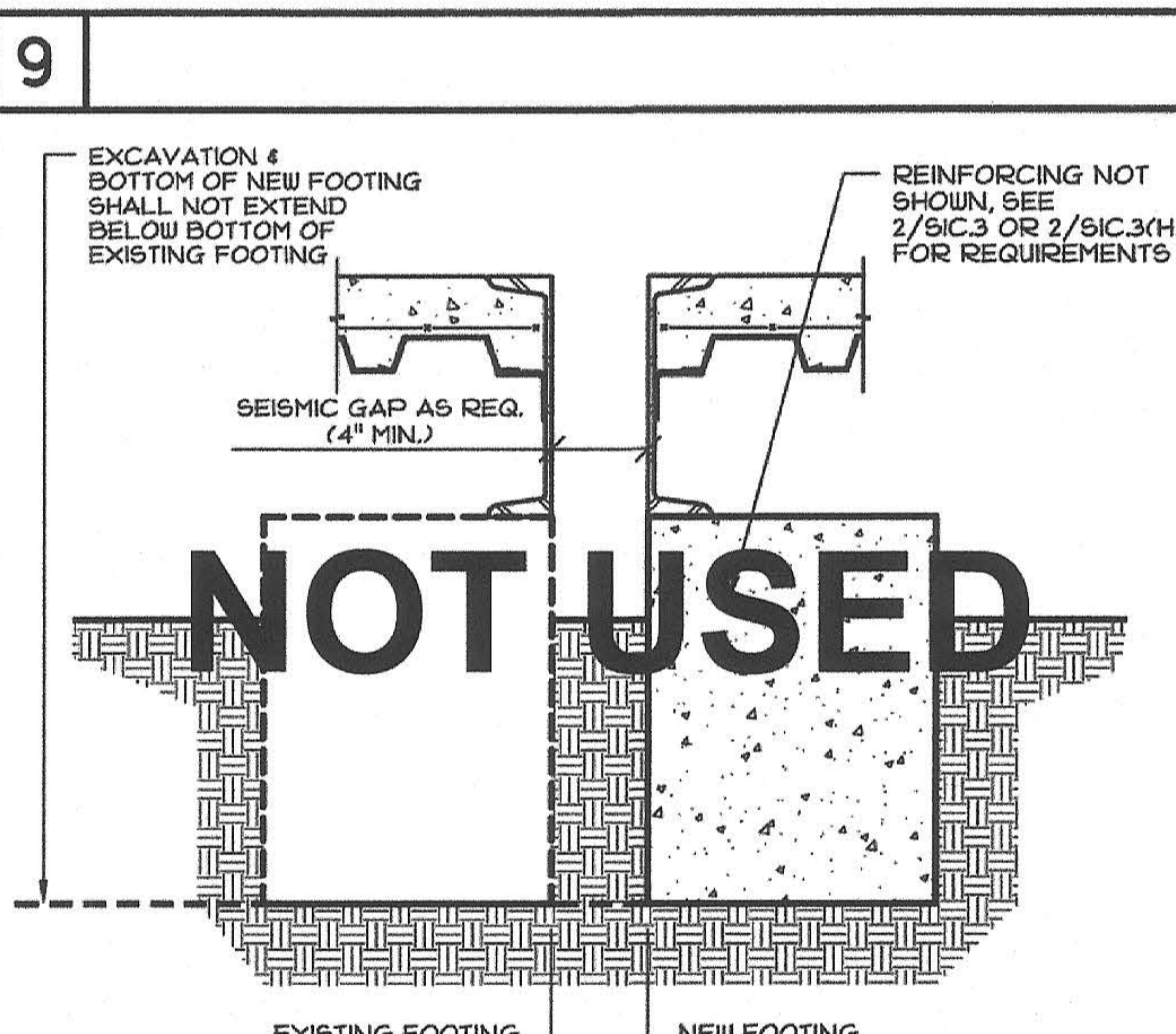
3.1 FOOTING GREATER THAN 36" HT.
SCALE: 1/2"=1'-0"

4 PIPE THROUGH FOOTING
SCALE: 1"=1'-0"

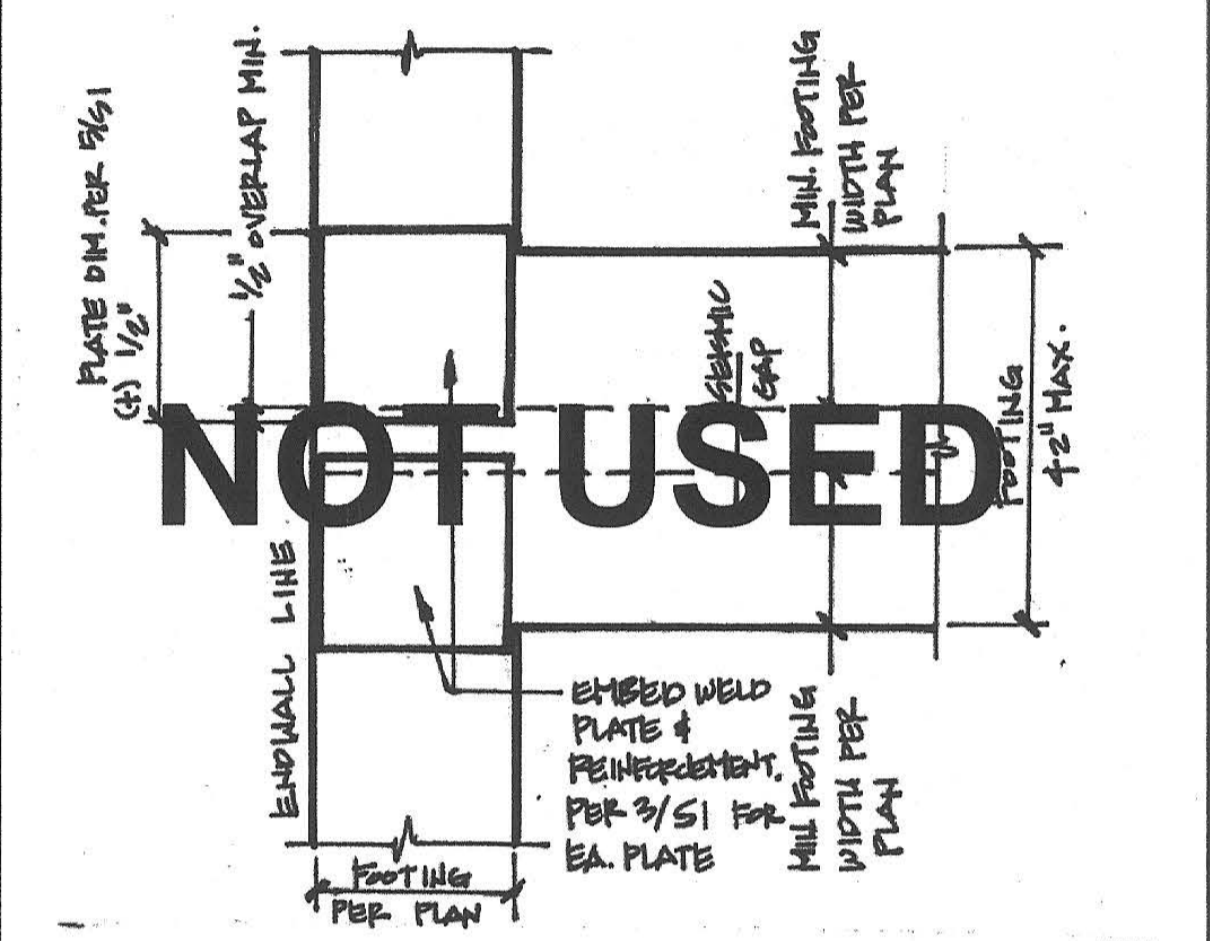
6 PIPE BELOW BOTTOM OF FOOTING
SCALE: 1"=1'-0"



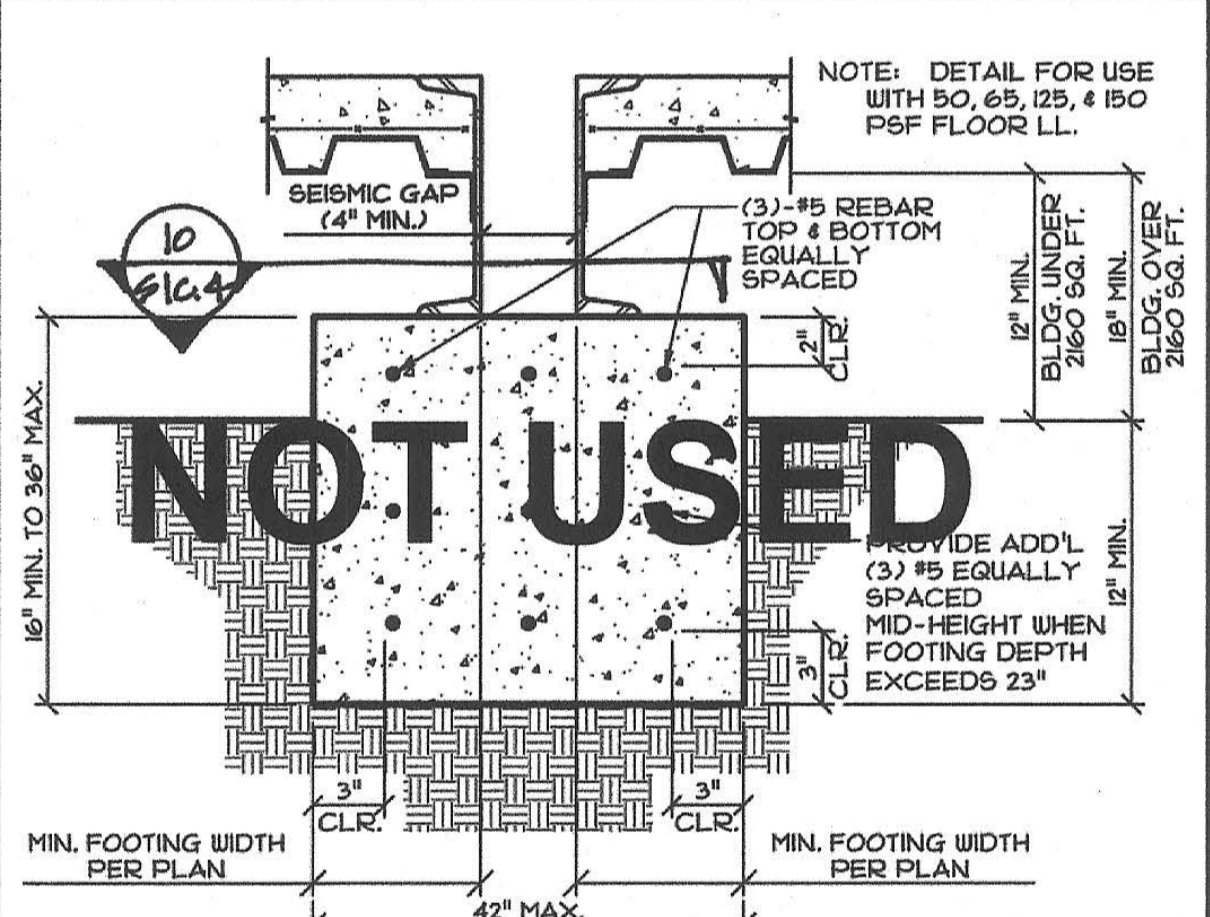
8 TRENCH PROXIMITY TO FOOTINGS
SCALE: 1/2"=1'-0"



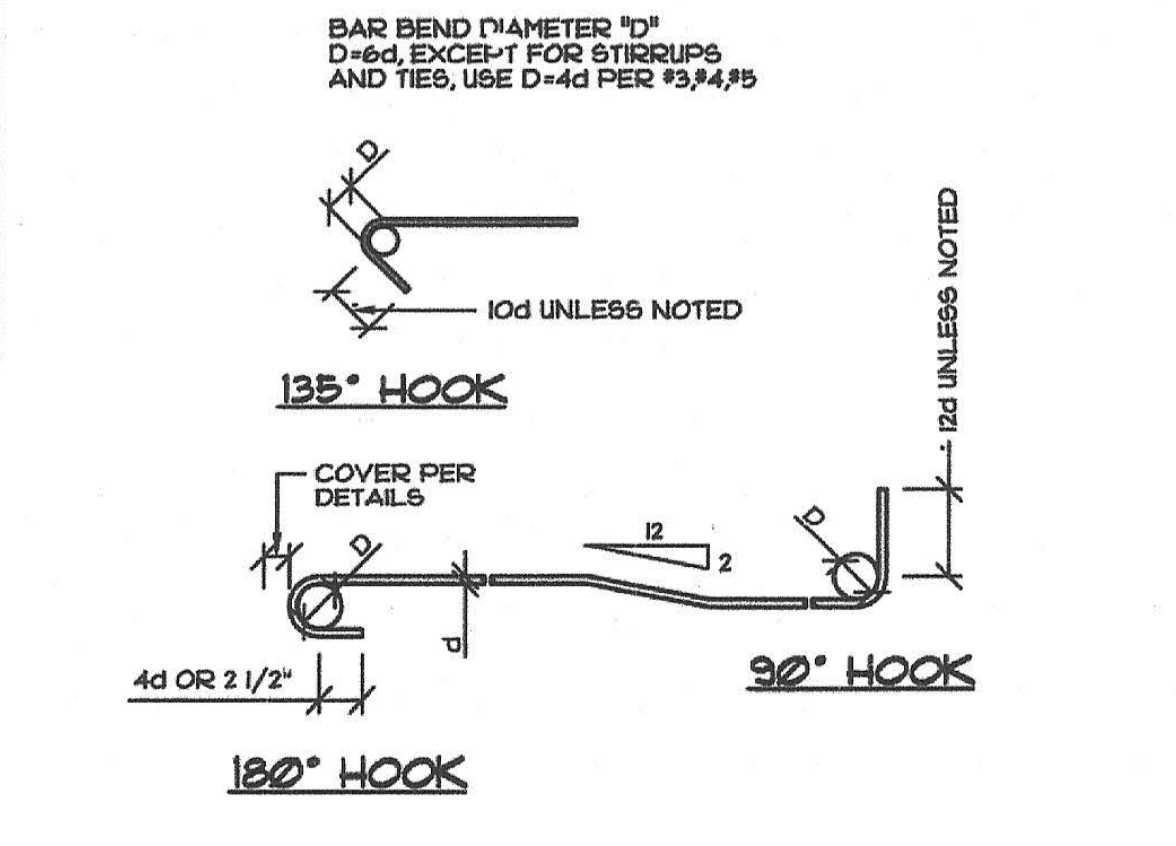
9 PROXIMITY OF NEW TO EXIST. FOOT.
SCALE: 1/2"=1'-0"



10 EMBED WELD PLATES @ SEISMIC GAP.



15 INTERIOR FOOTING @ SEISMIC GAP
SCALE: 1/2"=1'-0"



11 TYP. REINFORCING BAR BENDS
SCALE: NONE

FOR USE:
1) 20psf ROOF LIVE LOAD W/ 50, 65, 125 & 150psf FLOOR LL.
2) ALL ROOF OPTIONS.
3) ALL EXTERIOR FINISH OPTIONS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC - FLS - SSBD
DATE 3/16/2019

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

15 INTERIOR FOOTING @ SEISMIC GAP
SCALE: 1/2"=1'-0"


 05-13-2019

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ENVIROPLEX, INC.
 4777 E. CARPENTER ROAD STOCKTON, CA. 95215, (209) 466-8000
 NEW RELOCATABLE BUILDING AT
 PIEDMONT HILLS HIGH SCHOOL
 EAST SIDE UNION HIGH SCHOOL DISTRICT
 (CONCRETE FLOORS)

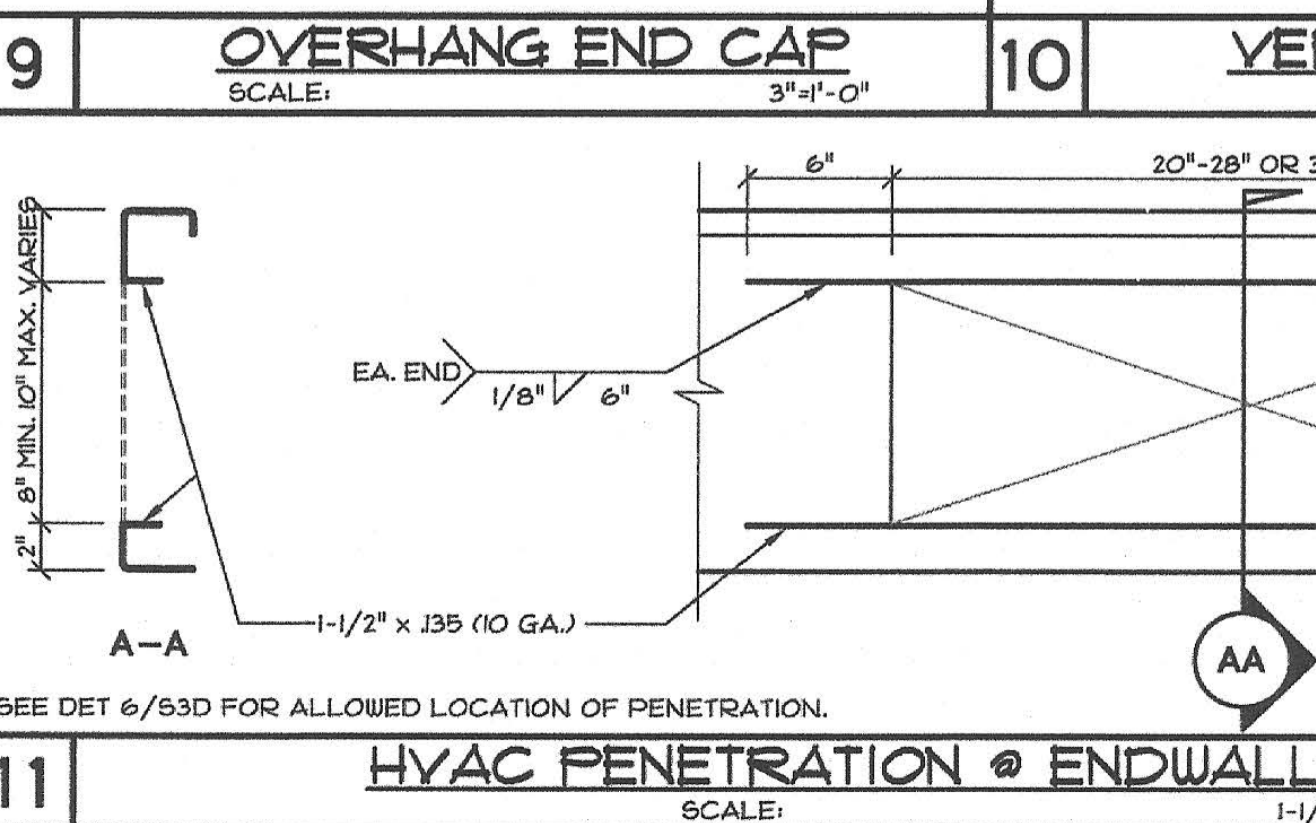
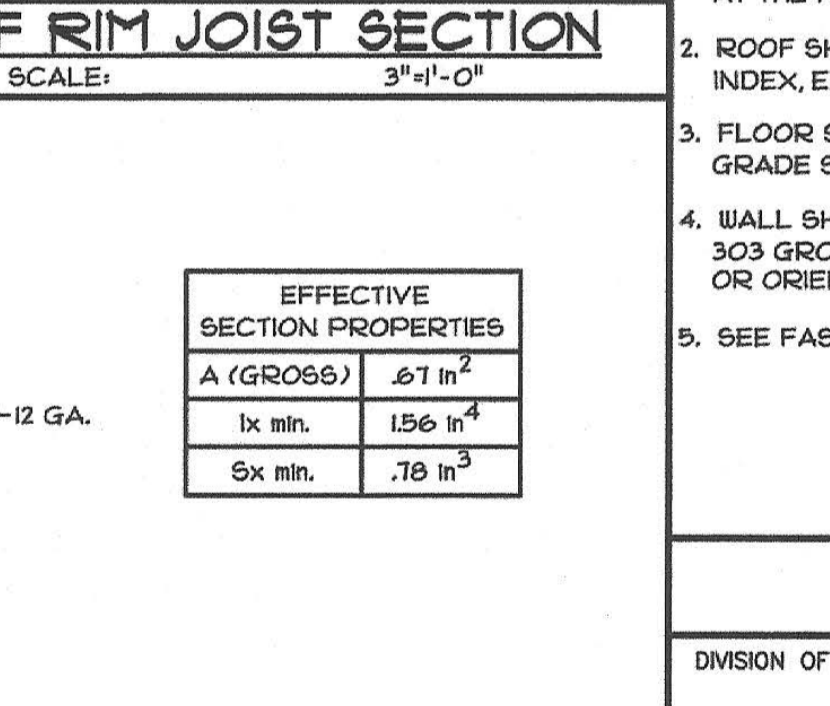
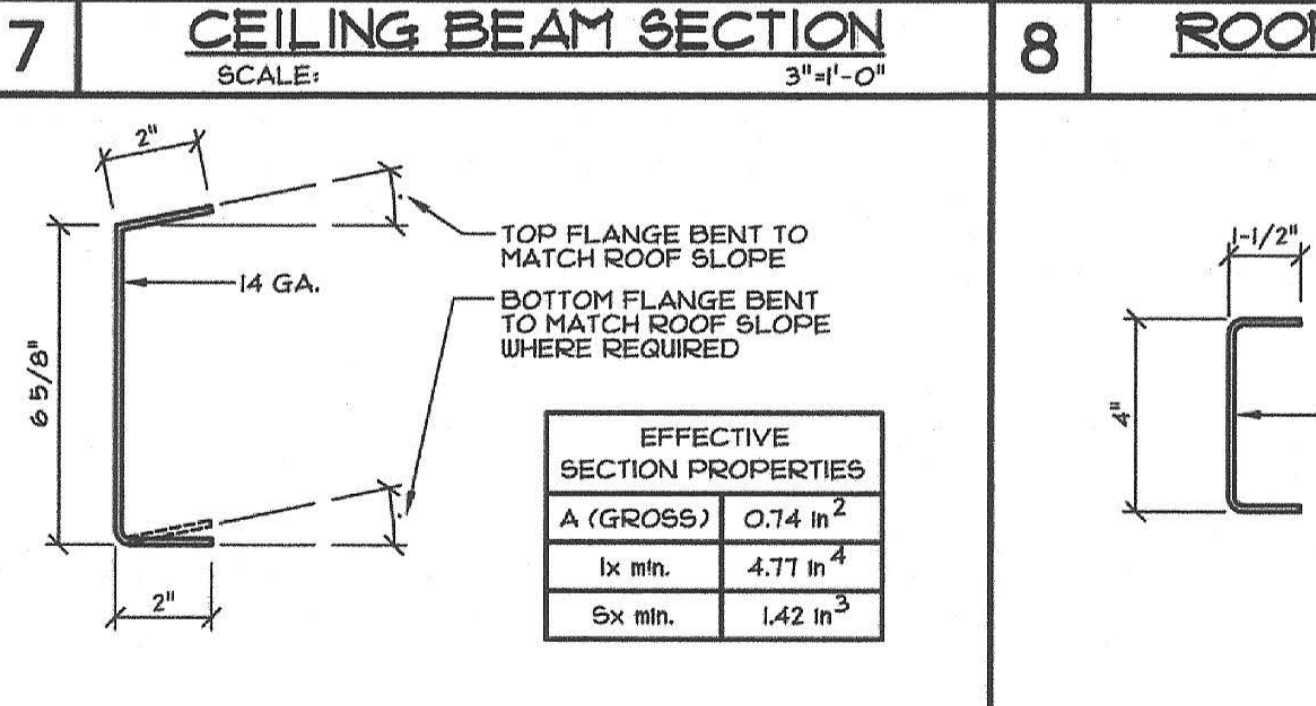
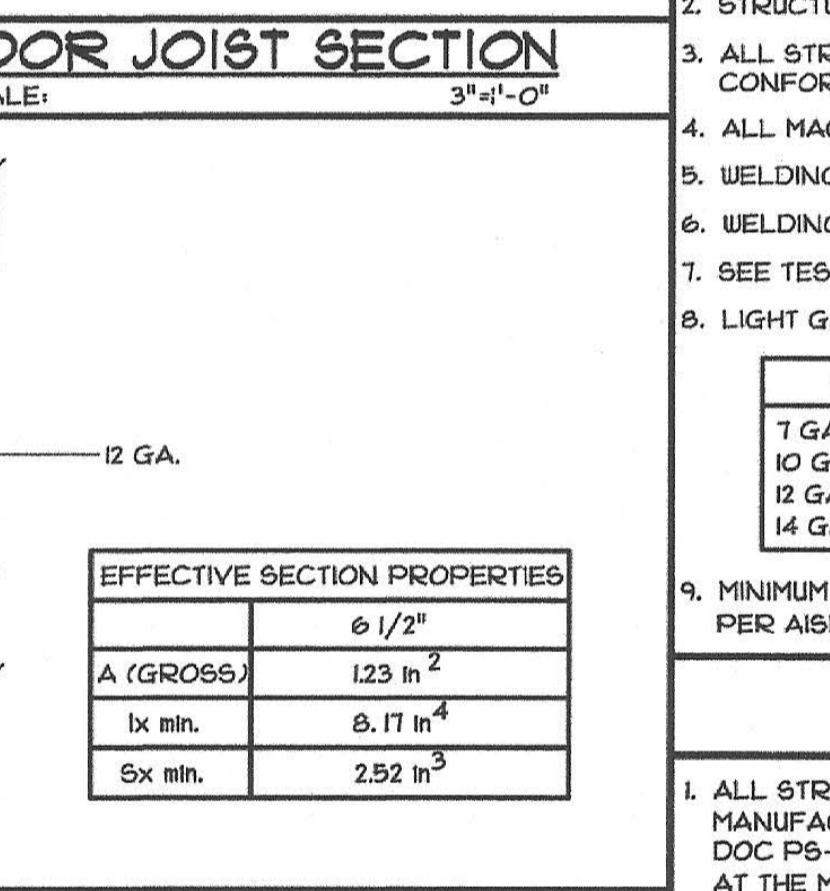
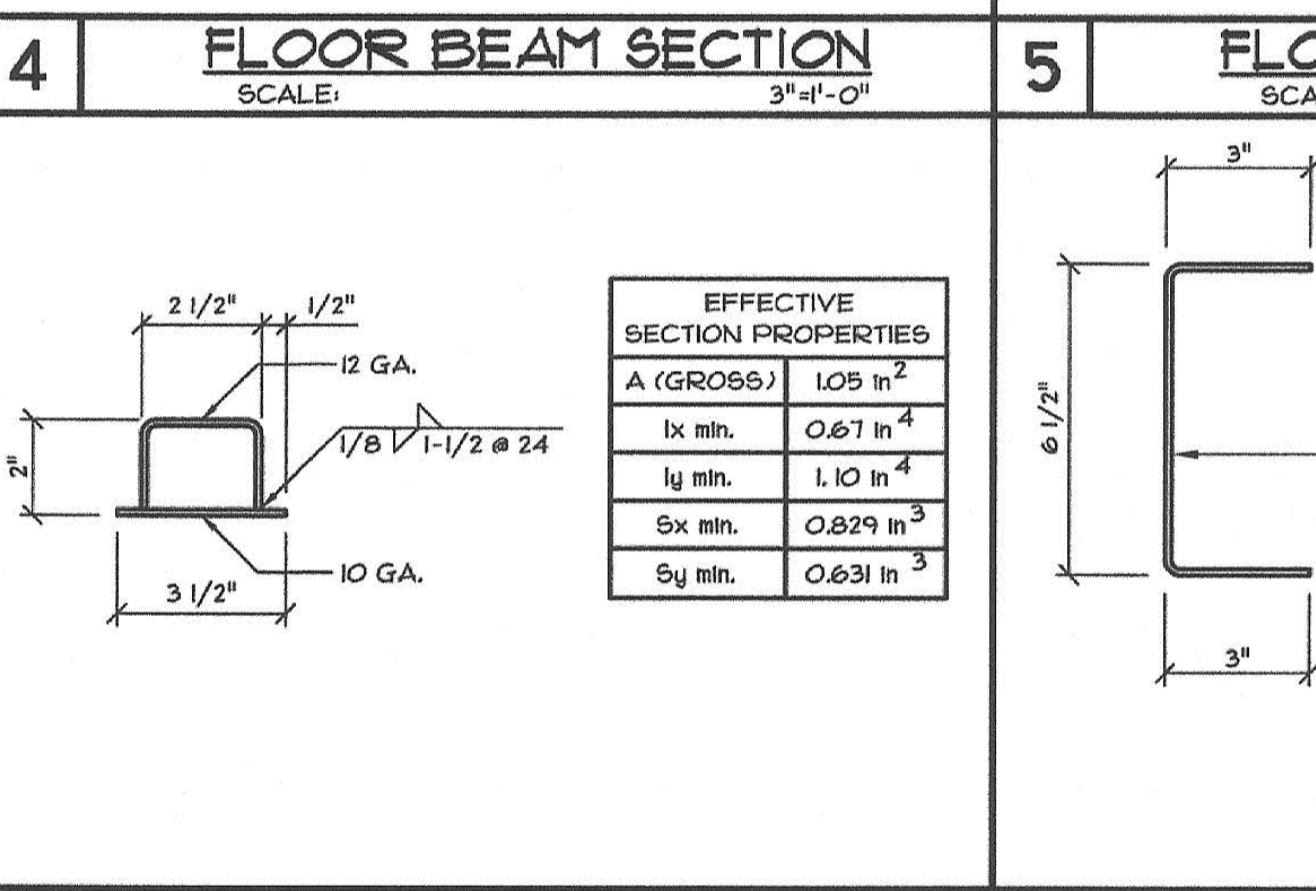
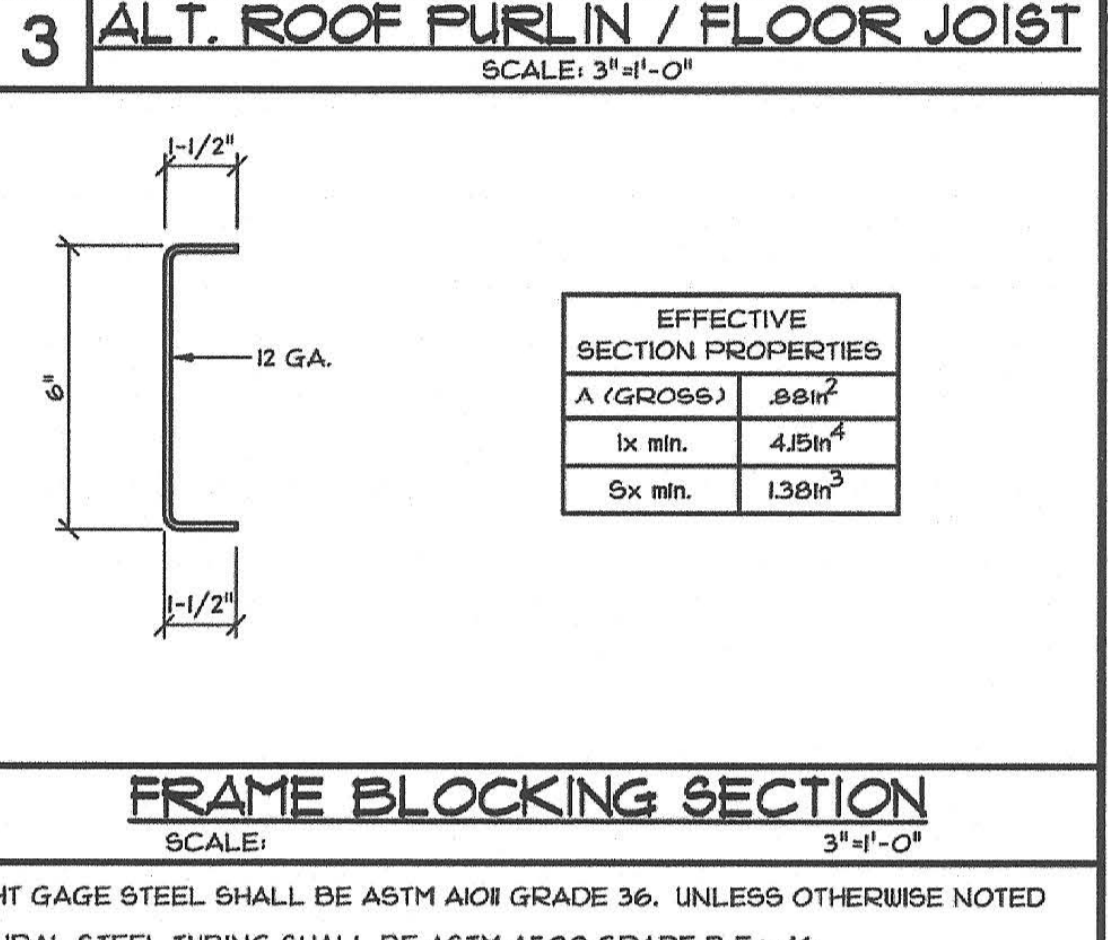
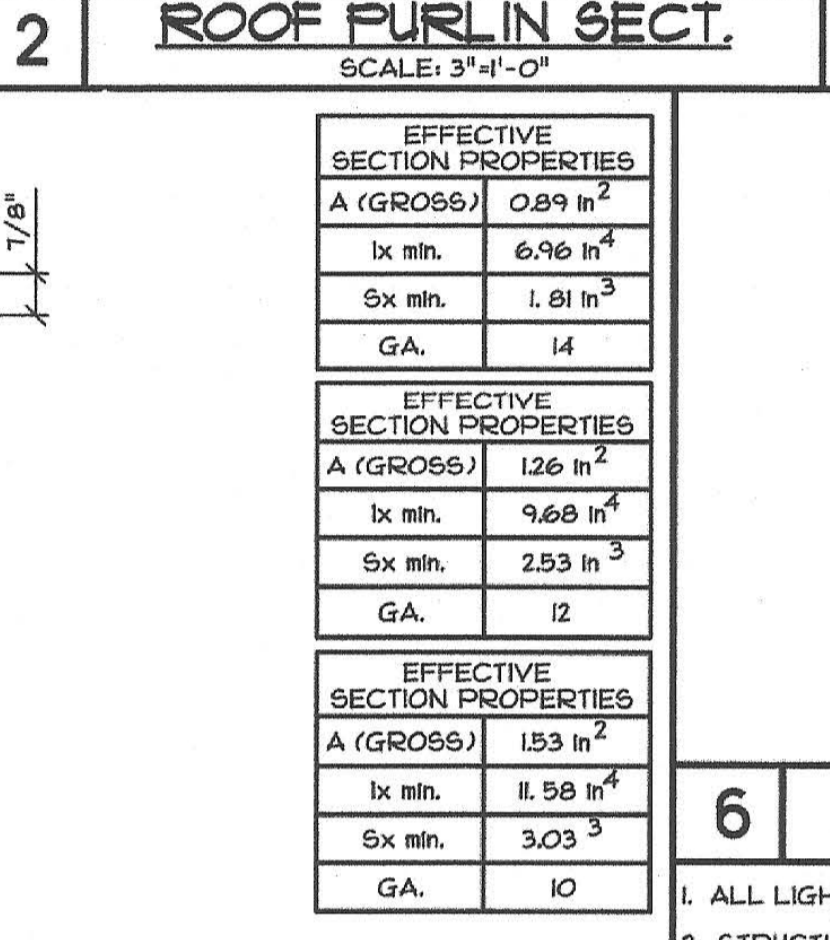
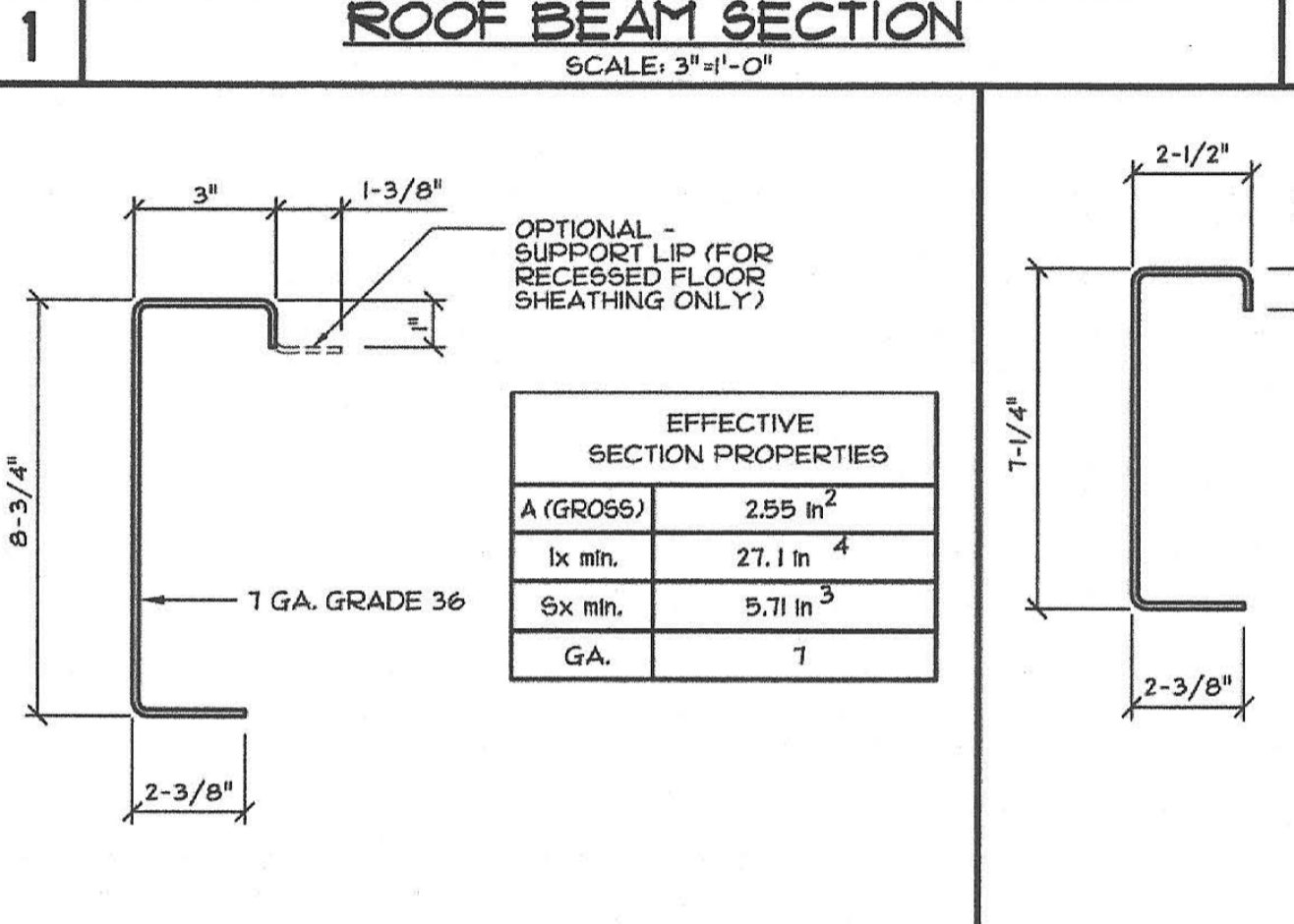
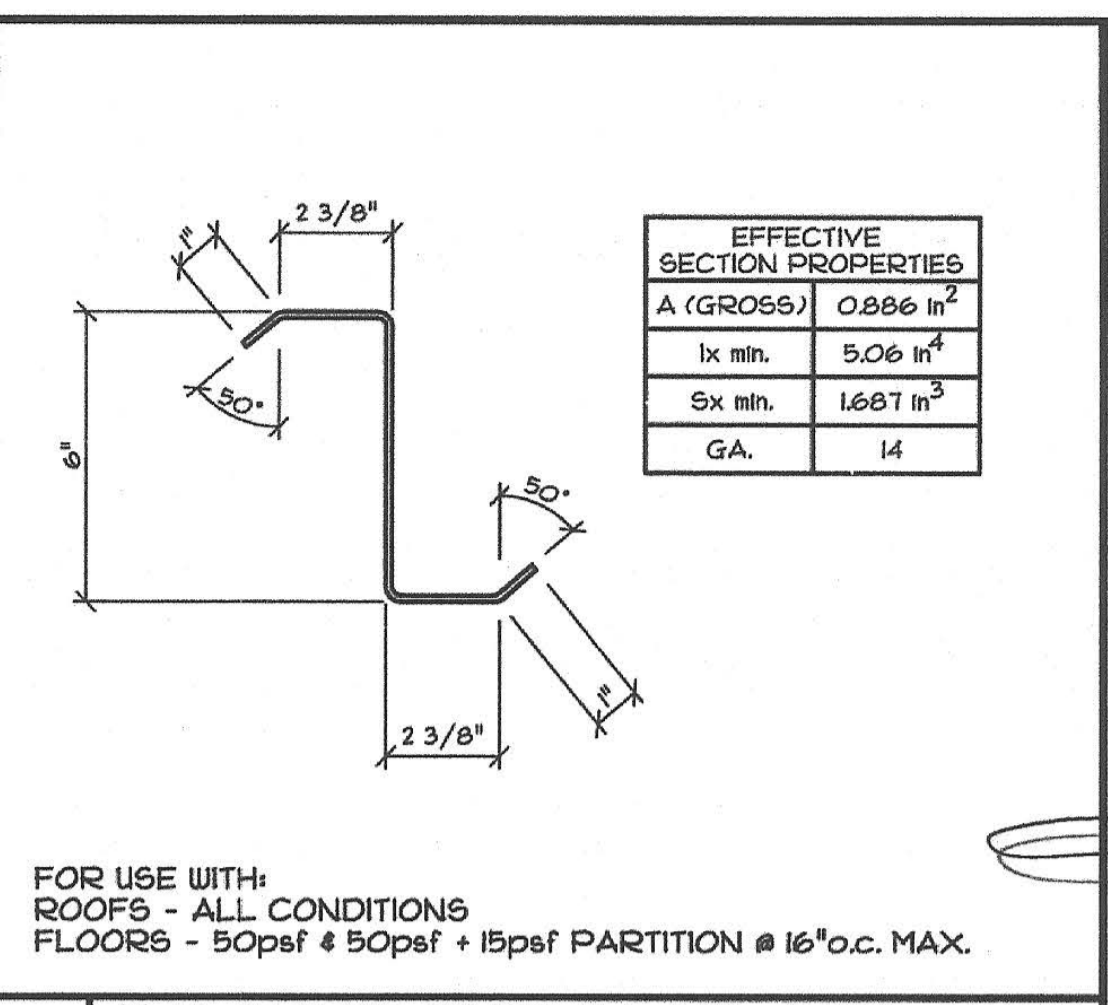
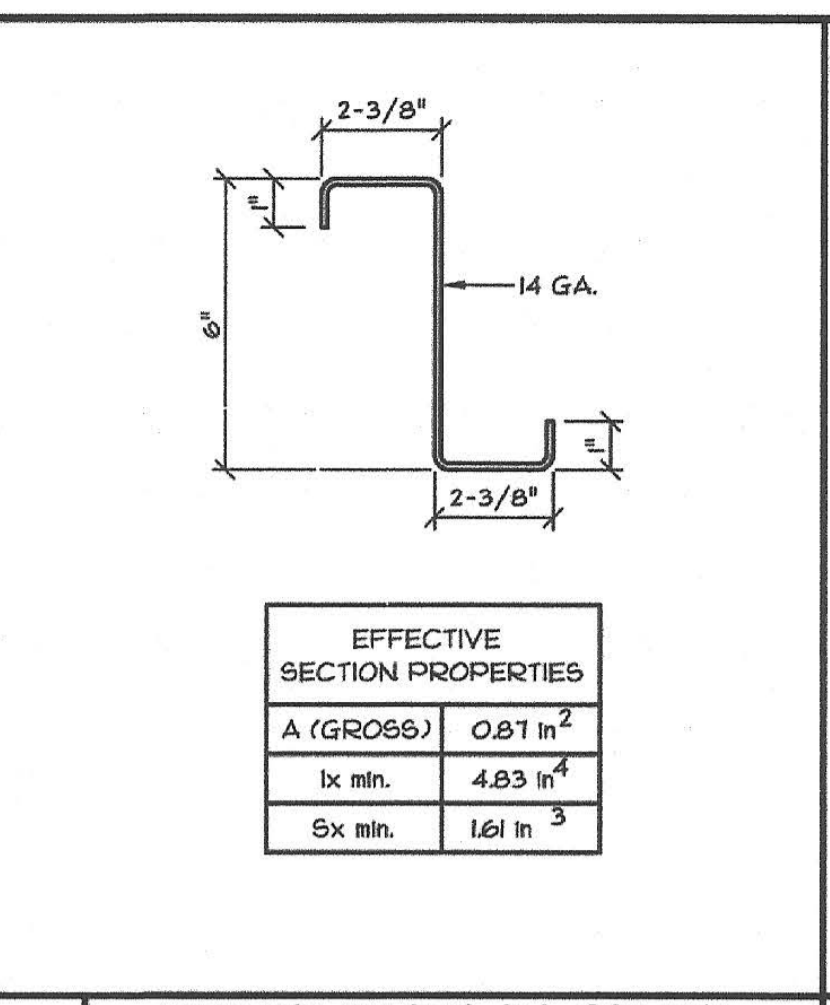
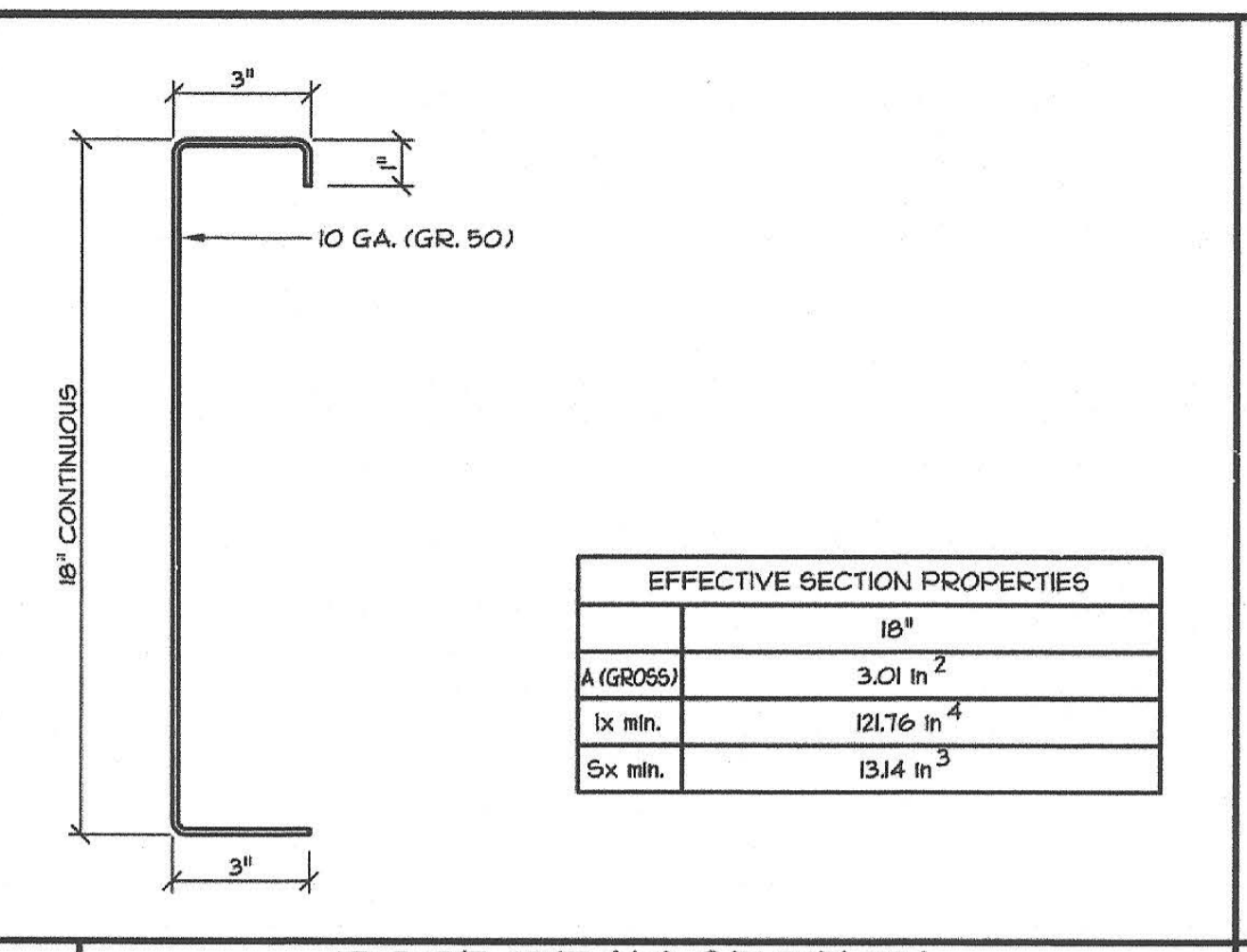
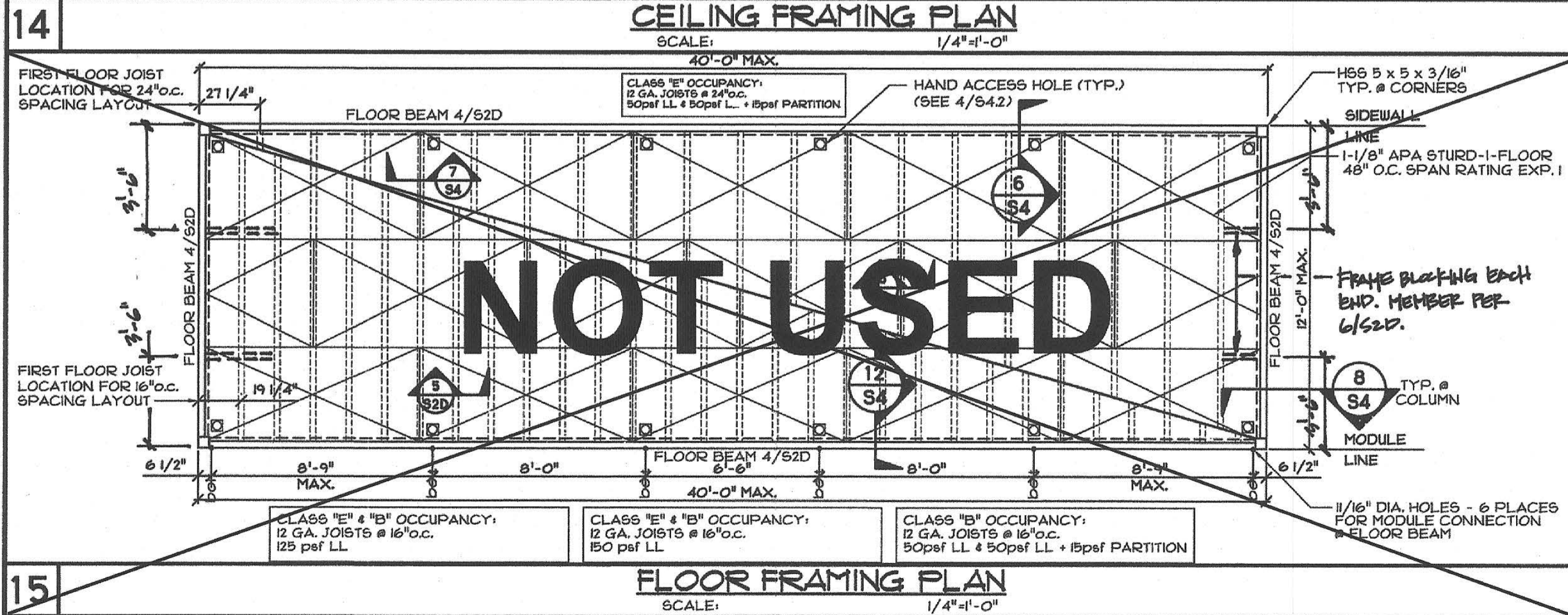
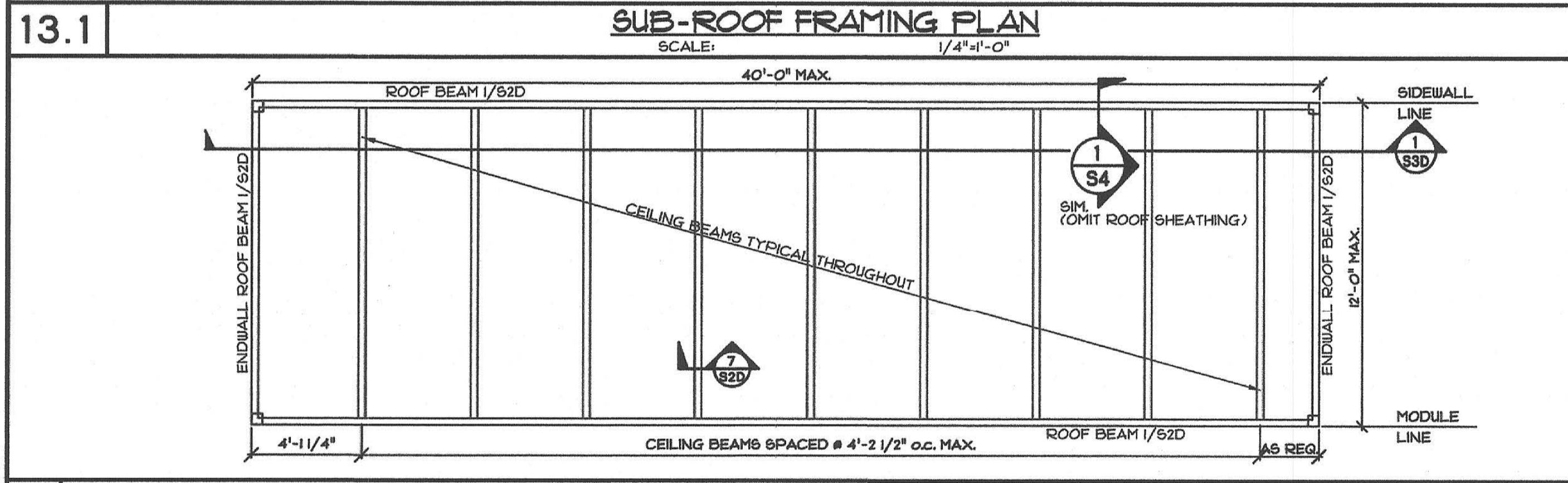
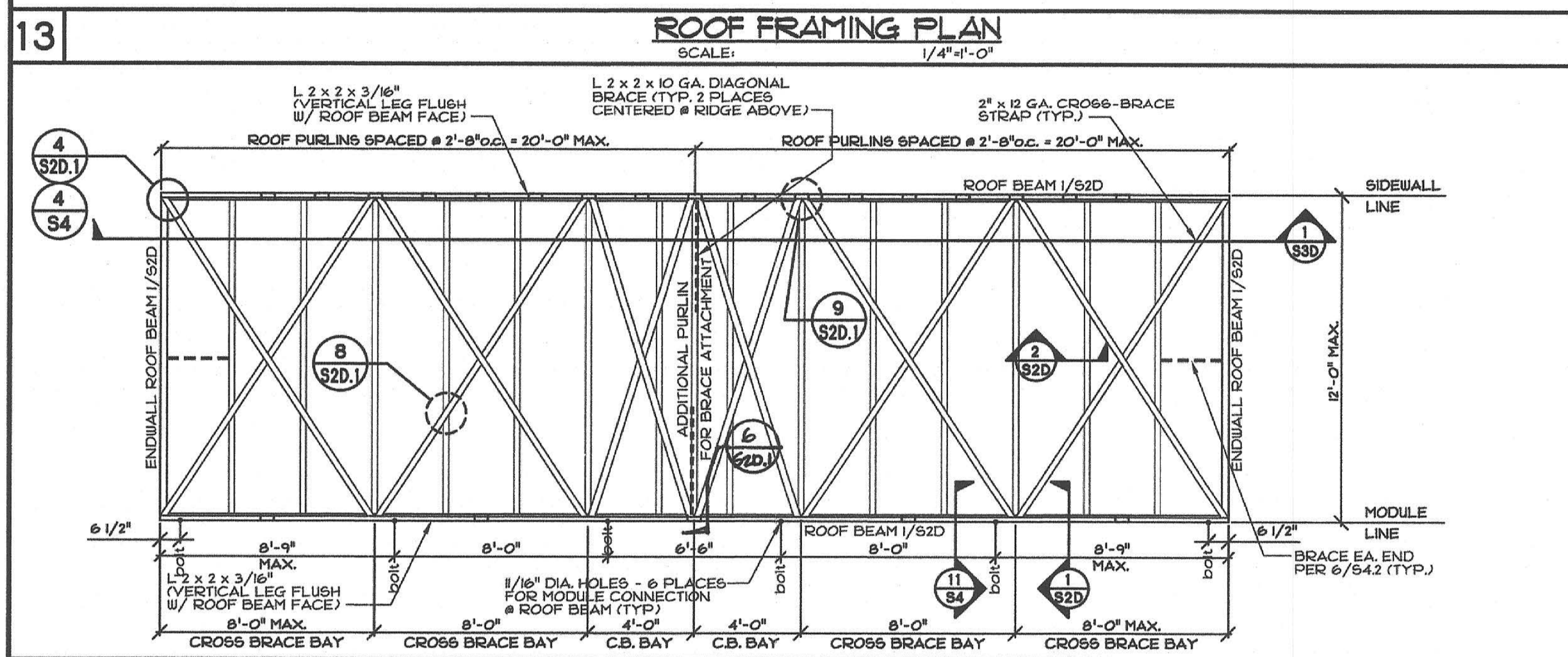
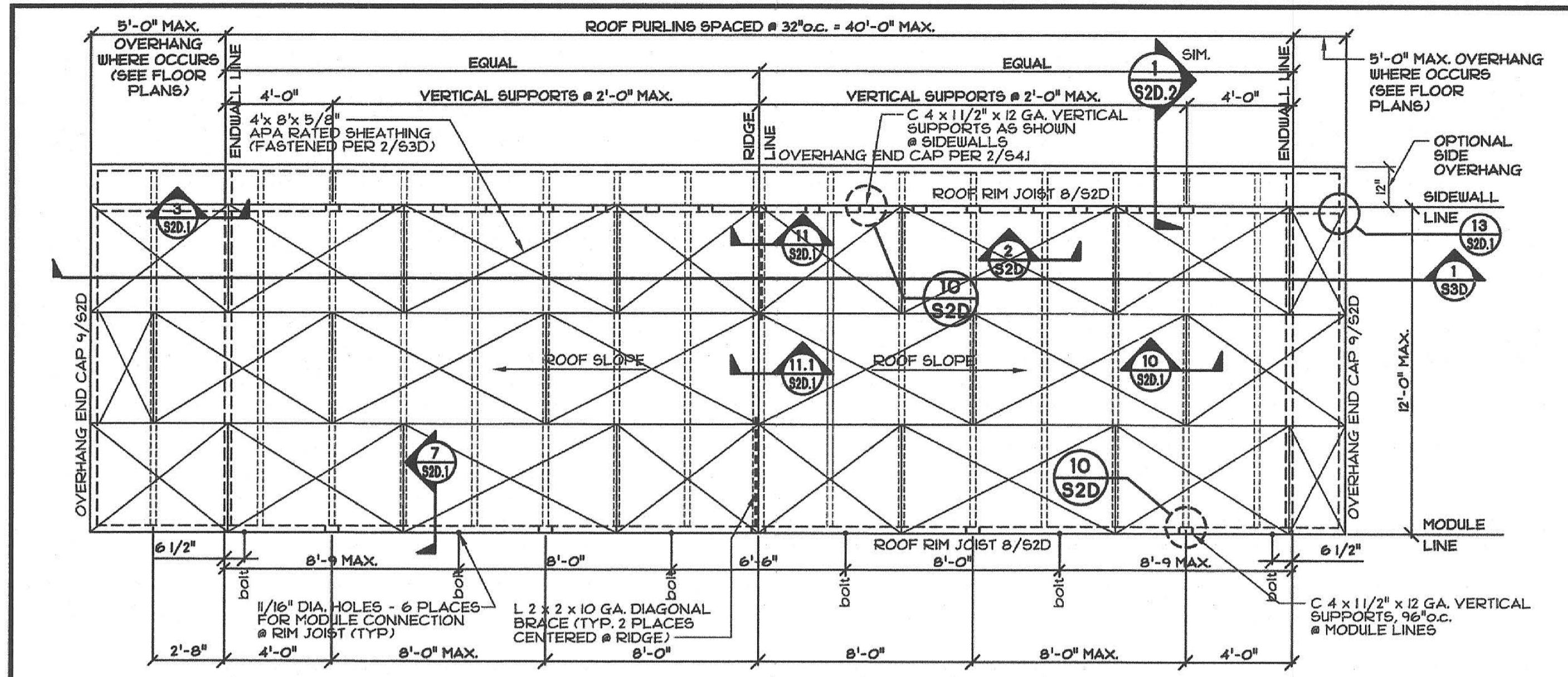
MISCELLANEOUS
 FOOTING DETAILS

REV / DATE:	BY:
JOB No.:	
DRAWN BY:	
DATE:	
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 02-116094 AC - FLS - SSBD DATE 9-6-2018 816 - 2440	

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S1C.4

24"x36" TO 120"x48" P.C.



- ALL LIGHT GAGE STEEL SHALL BE ASTM A101 GRADE 36, UNLESS OTHERWISE NOTED
 - STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B F₄₁₋₄₆
 - ALL STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, BARS & MISCELLANEOUS SHAPES SHALL CONFORM TO ASTM A36, UNLESS OTHERWISE NOTED.
 - ALL MACHINE BOLTS SHALL BE ASTM A307.
 - WELDING SHALL BE DONE PER AWS D 1.8 - D6.3.
 - WELDING INSPECTION TO BE PER C.B.C. SECTION 1705A.22.5
 - SEE TESTS AND INSPECTIONS REPORT SHEET A0 FOR REQUIREMENTS.
 - LIGHT GAGE METAL & FRAMING THICKNESSES
- | GAGE | DESIGN THICKNESS | MIN. DELIVERED THICKNESS |
|--------------|------------------|--------------------------|
| 7 GA. STEEL | 0.1793" | 0.170" |
| 10 GA. STEEL | 0.1240" | 0.118" |
| 12 GA. STEEL | 0.1017" | 0.0966" |
| 14 GA. STEEL | 0.0713" | 0.0671" |
9. MINIMUM STEEL THICKNESS SHALL NOT BE LESS THAN 95% OF THE DESIGN THICKNESS PER AISI - GENERAL AND AISI - NBS.

STEEL SPECIFICATION

- ALL STRUCTURAL PLYWOOD AND ORIENTED STRAND BOARD SHALL BE MANUFACTURED TO PRODUCT STANDARD DOC P5-1 (PLYWOOD), DOC P5-2 (OSB), INSPECTED AND GRADE MARKED AT THE MILL BY AN APPROVED QUALITY CONTROL AGENCY SUCH AS APA OR TECO.
- ROOF SHEATHING SHALL BE 4'x 8'x 5/8" GRADE MARKED 32/16 SPAN INDEX, EXP. 1 (PLYWOOD OR OSB).
- FLOOR SHEATHING SHALL BE 4'x 8'x 1-1/8" T & G APA OR TECO RATED UNDERLAYMENT GRADE STURD-I-FLOOR OR EQUAL, SPAN RATING = 48"
- WALL SHEATHING SHALL BE 3/8" HARD BOARD SIDING APA EXTERIOR TYPE 303 GROUP II M.D.O., EXTERIOR GROUP II, 1/2" APA RATED CDX PLYWOOD OR ORIENTED STRAND BOARD.
- SEE FASTENER SCHEDULE, SHEET "S3FA".

SHEATHING SPECIFICATION

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC - FLS - SS BFF
DATE 5/16/2019

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 466-8000

05-13-2019

REGISTERED PROFESSIONAL ENGINEER
No. 52030

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VARIABLE SLOPE ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES

REV / DATE: BY:

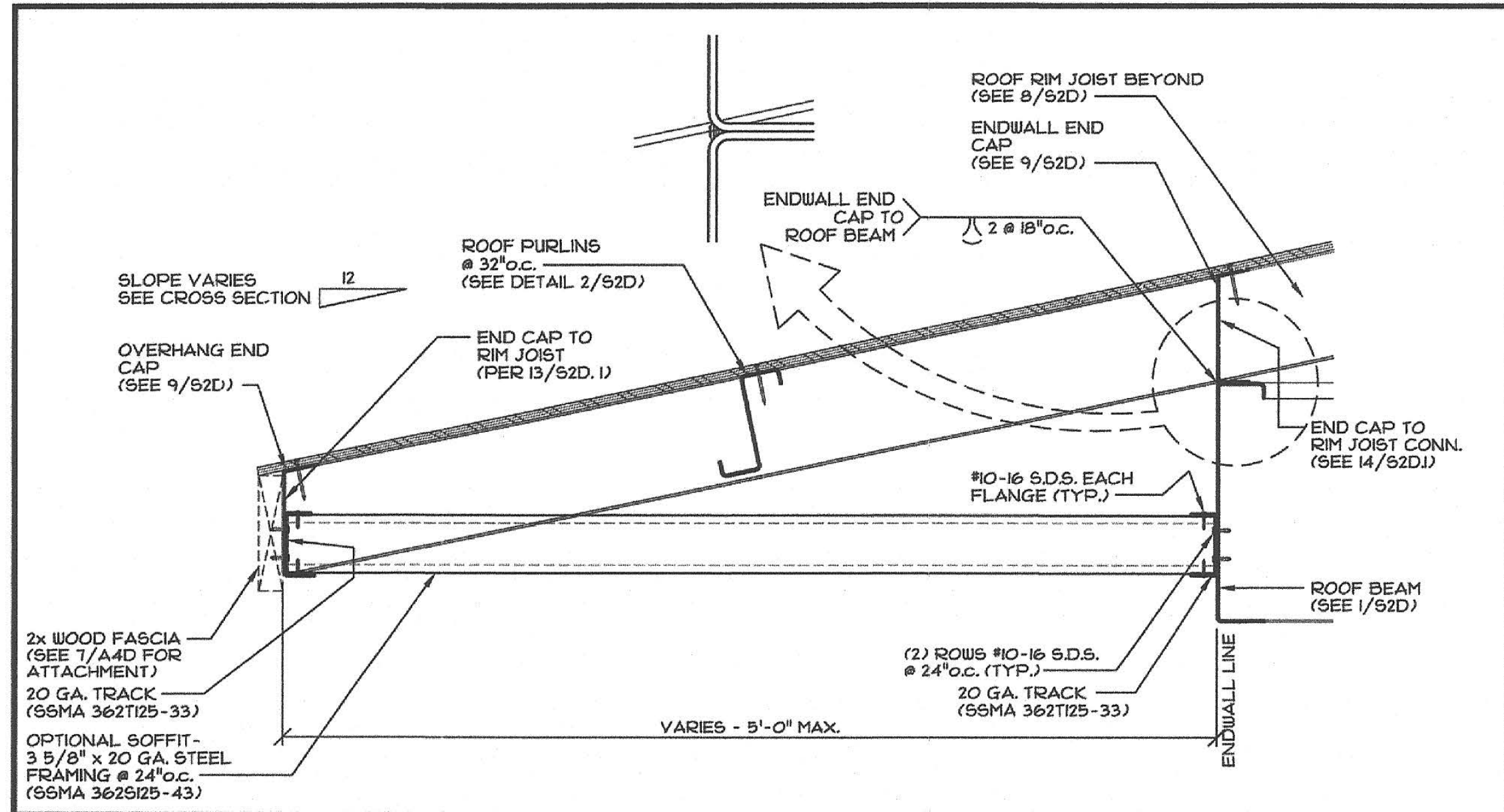
JOB No.:
DRAWN BY:
DATE:

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-118094
AC - FLS - SS BFF
DATE 9-6-2018
2016 - 2018

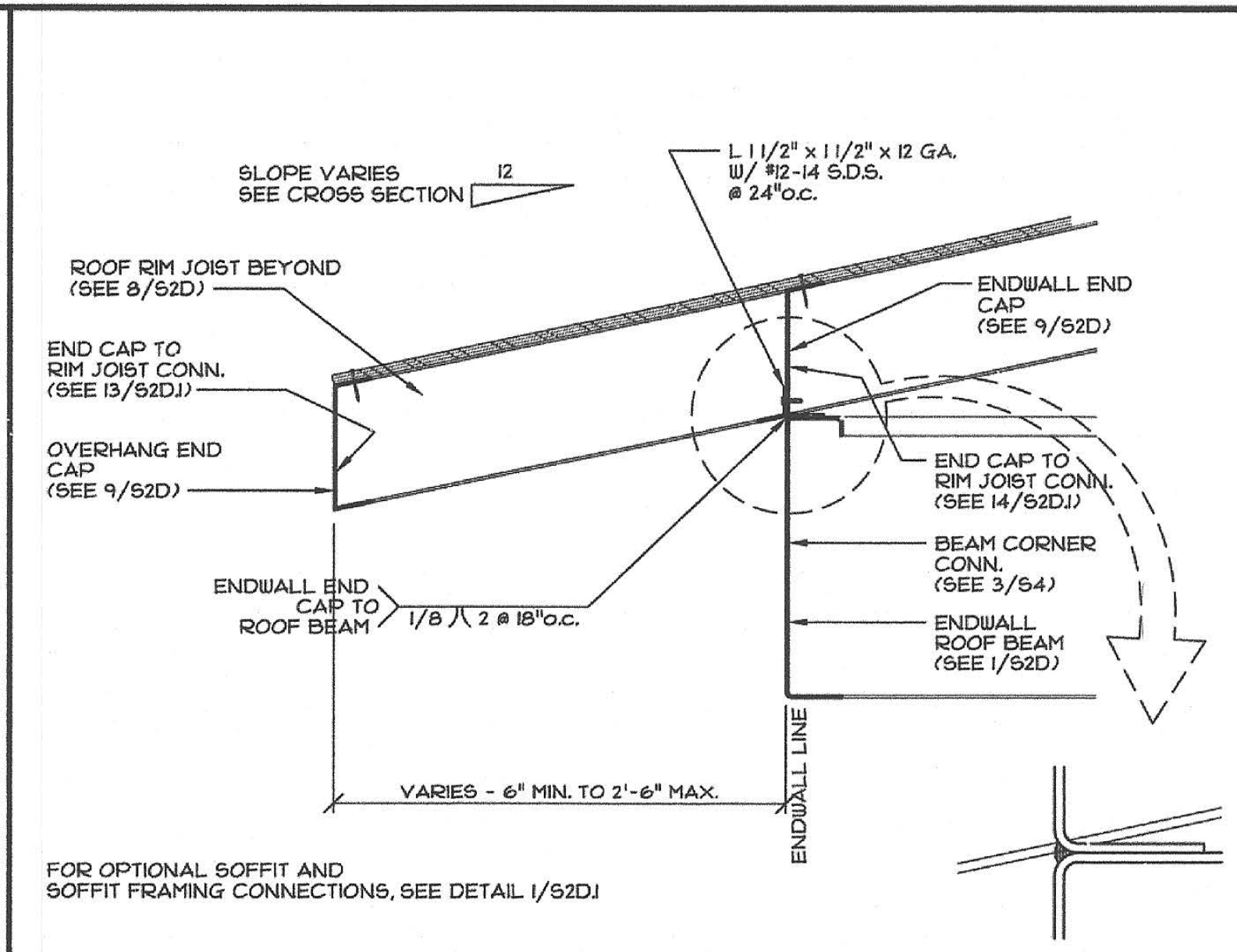
LOW SEISMIC

S2D

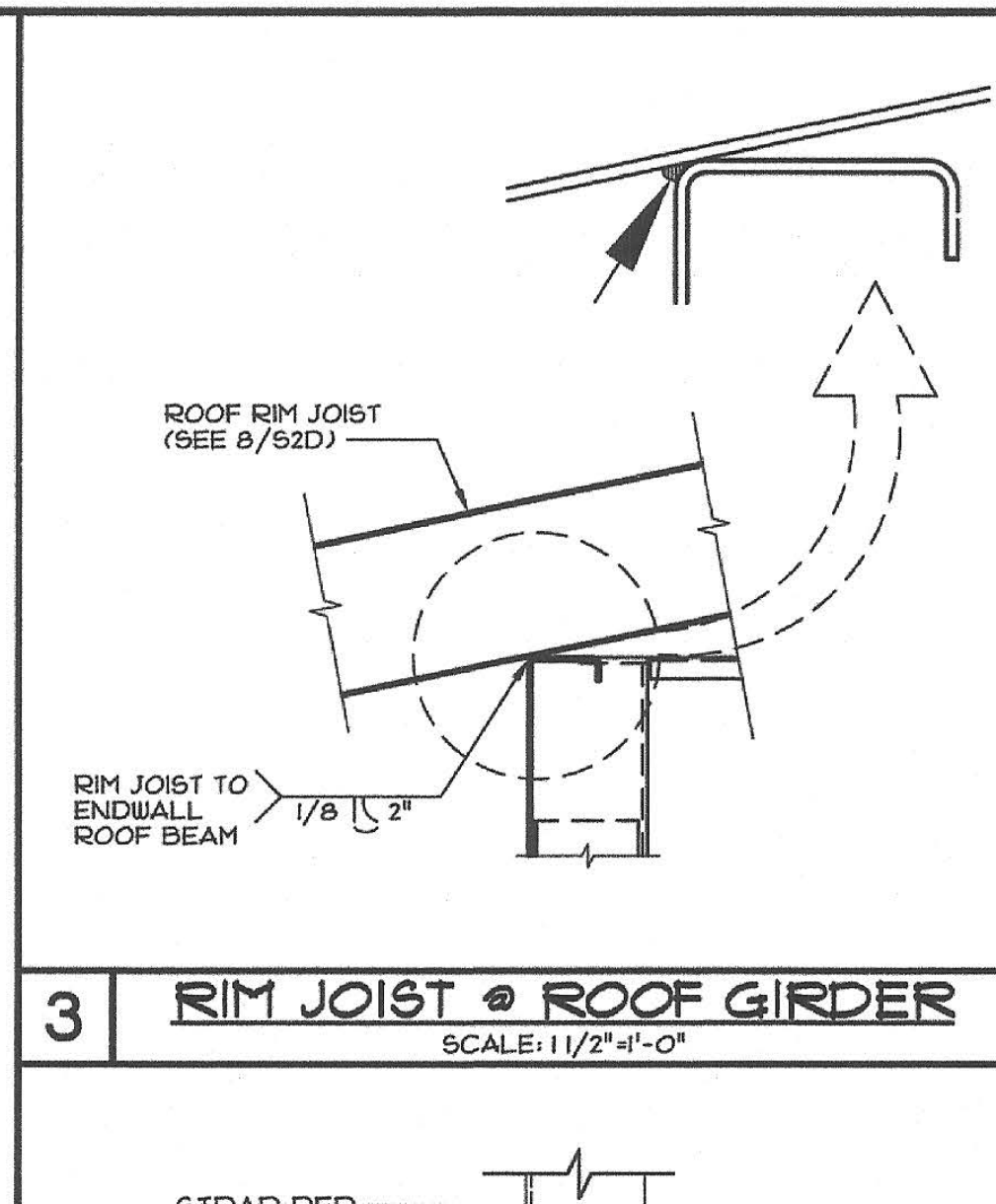
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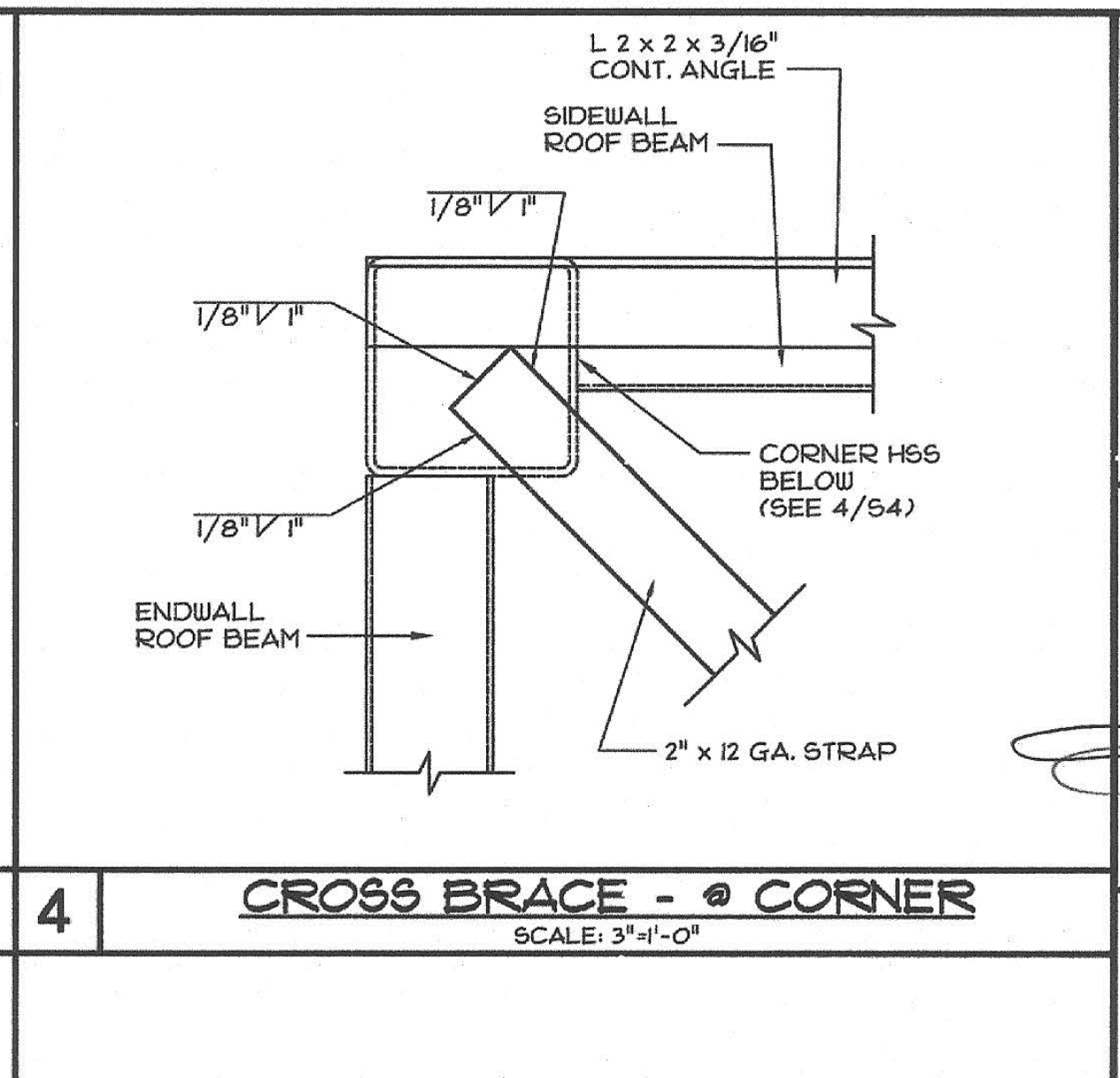
1 EAVE SECTION - 5'-0" OVERHANG
SCALE: 1/2"=1'-0"



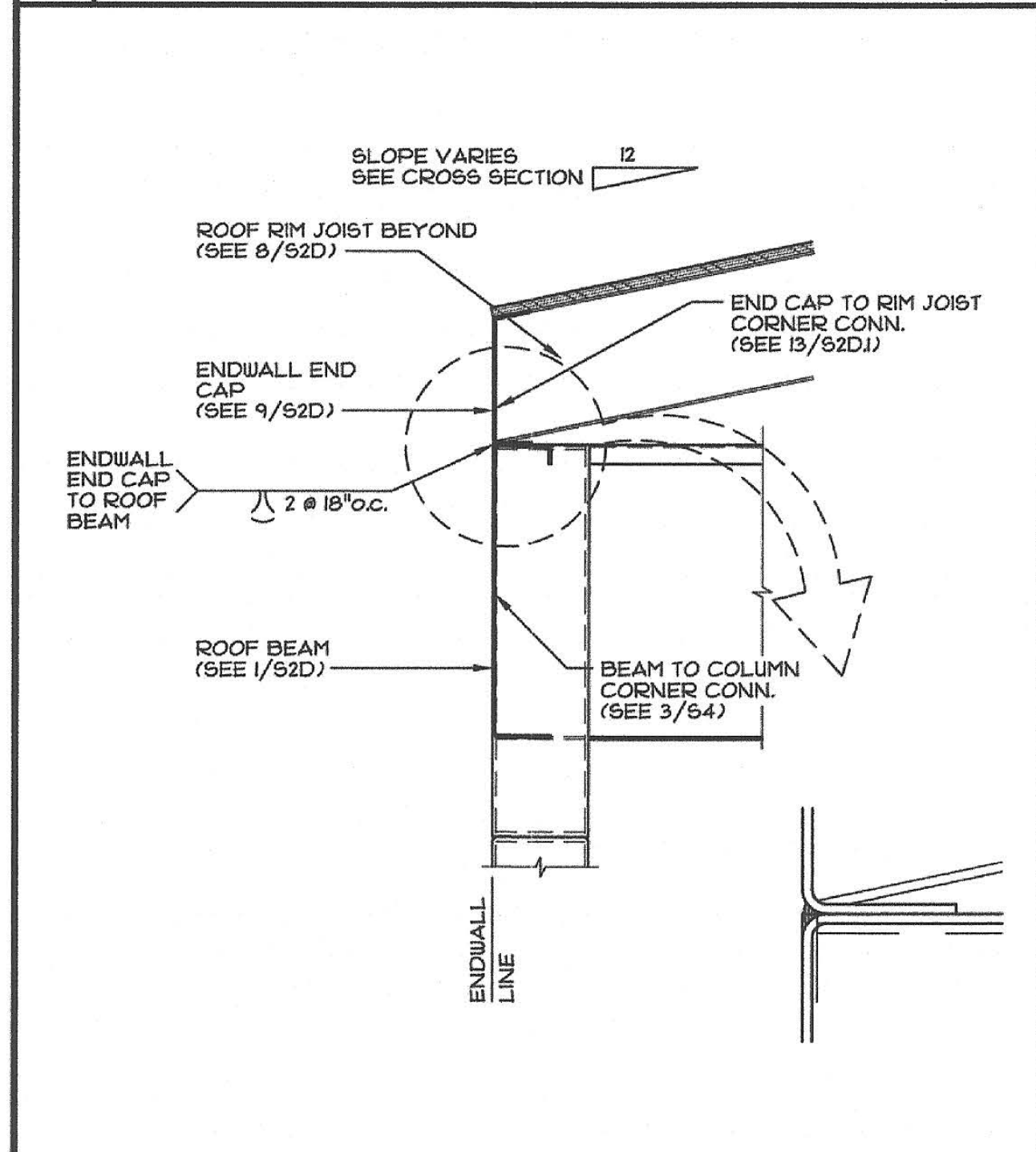
2 EAVE SECTION - 2'-6" OVERHANG
SCALE: 1/2"=1'-0"



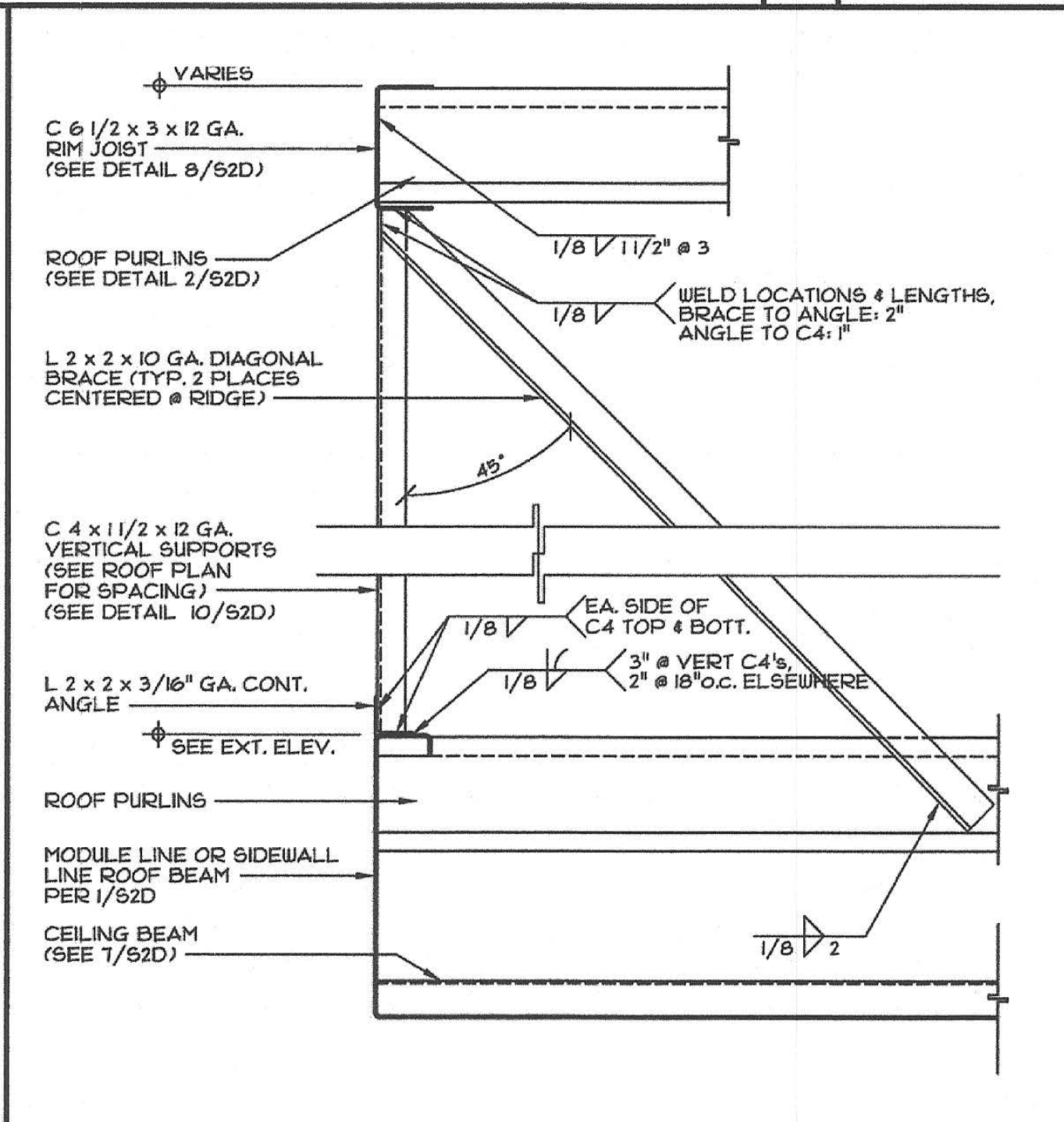
3 RIM JOIST @ ROOF GIRDER
SCALE: 1/2"=1'-0"



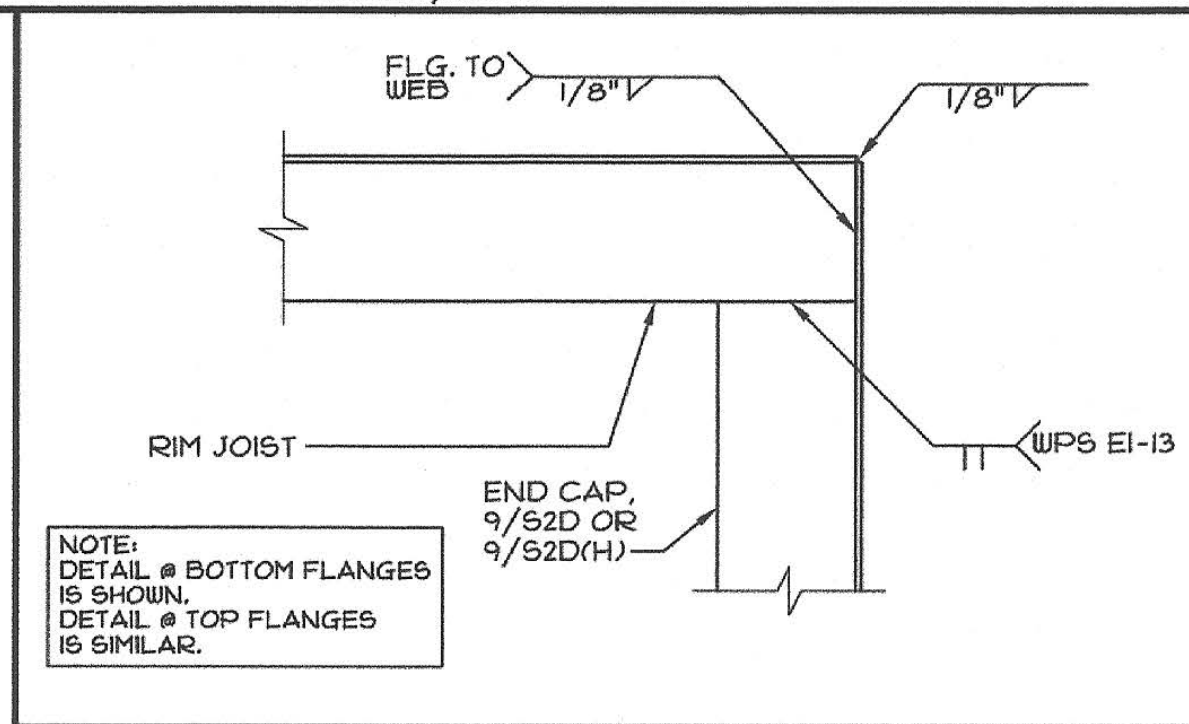
4 CROSS BRACE - @ CORNER
SCALE: 3/4"=1'-0"



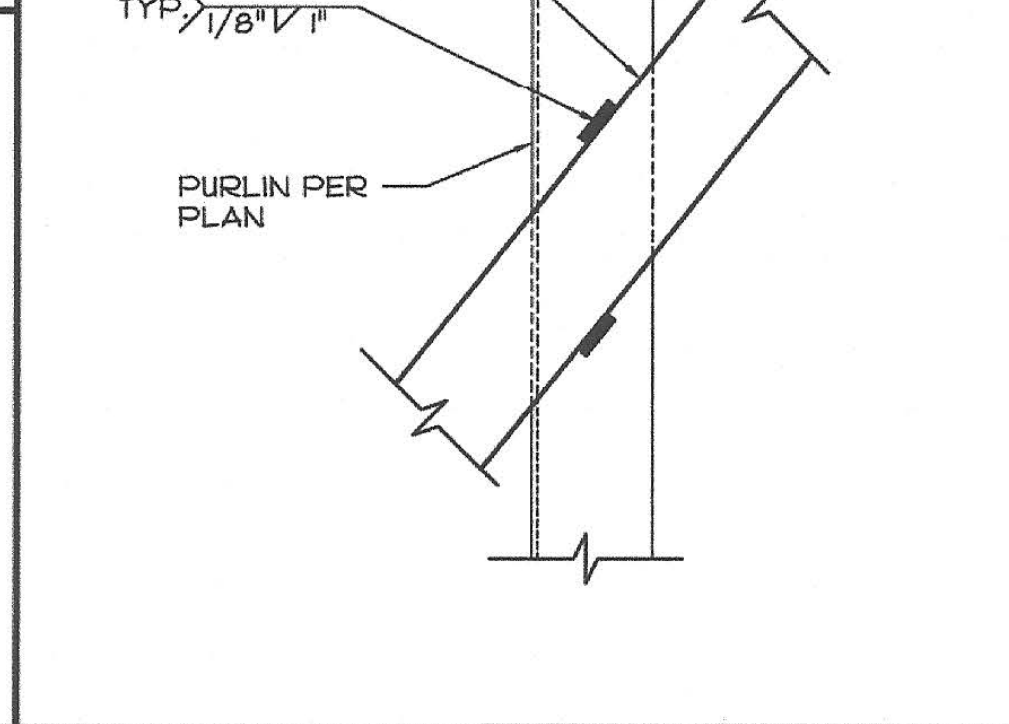
5 EAVE SECTION - NO OVERHANG
SCALE: 1/2"=1'-0"



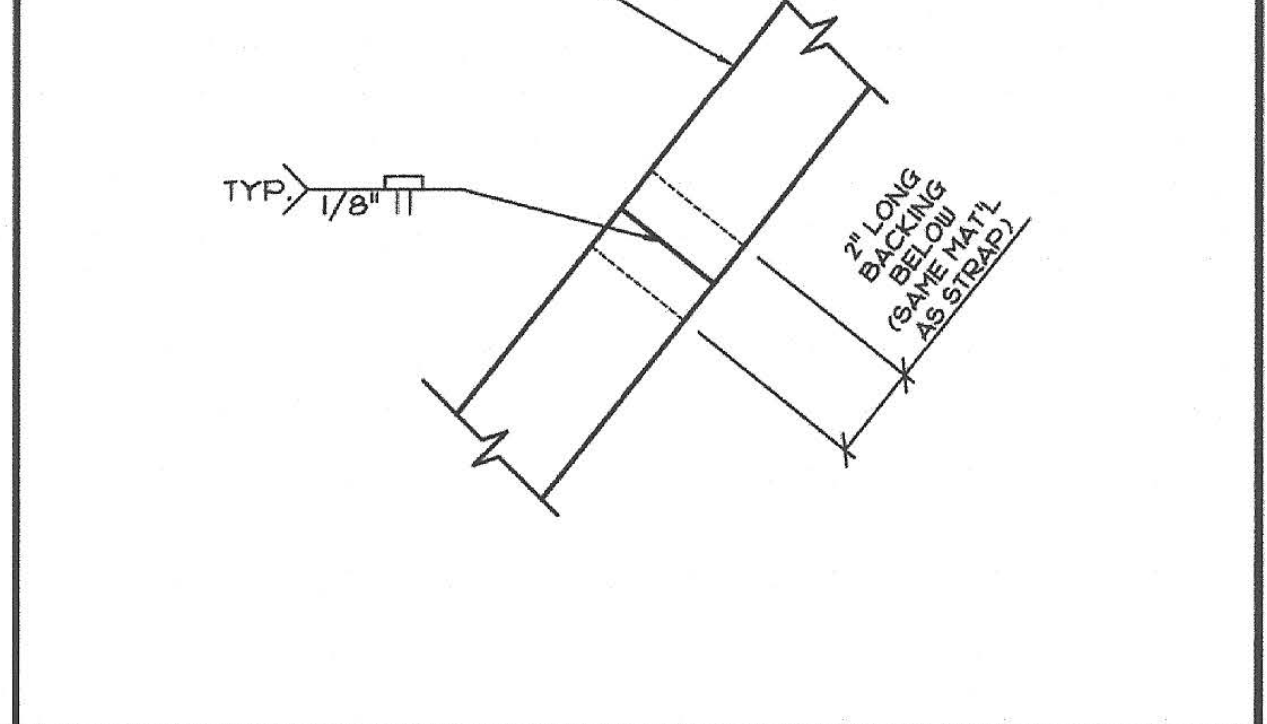
6 RIDGE LINE DIAGONAL BRACE
SCALE: 1/2"=1'-0"



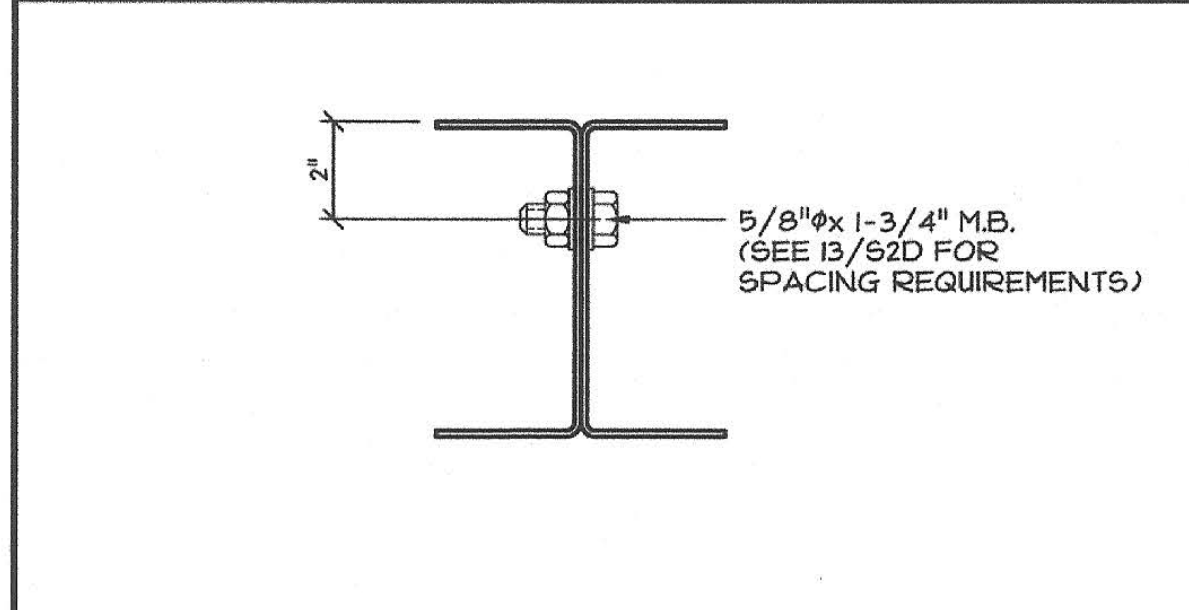
13 BEAMS @ CORNERS
SCALE: 3/4"=1'-0"



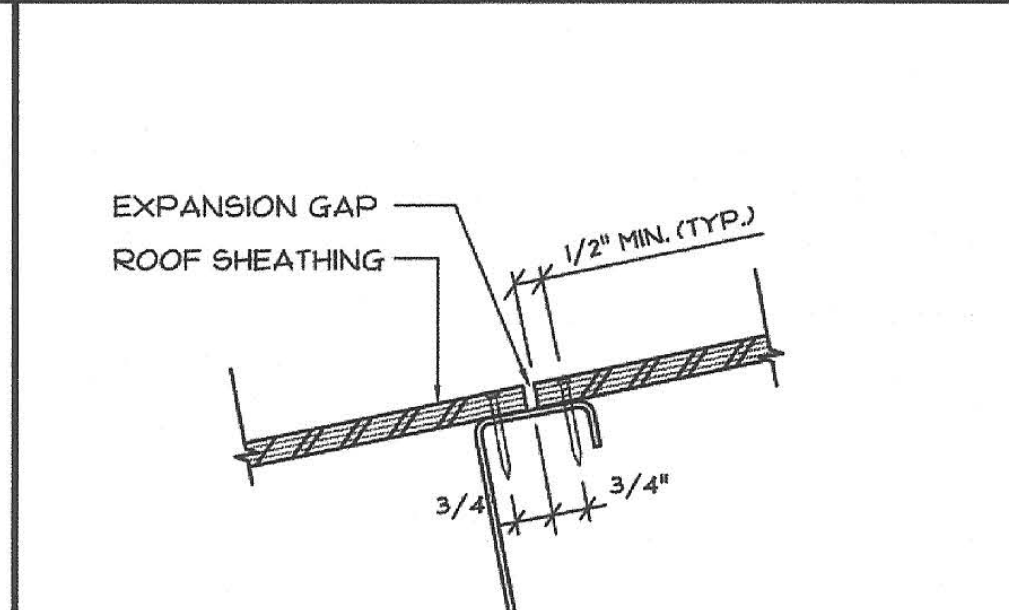
8 CROSS BRACE - @ PURLIN
SCALE: 3/4"=1'-0"



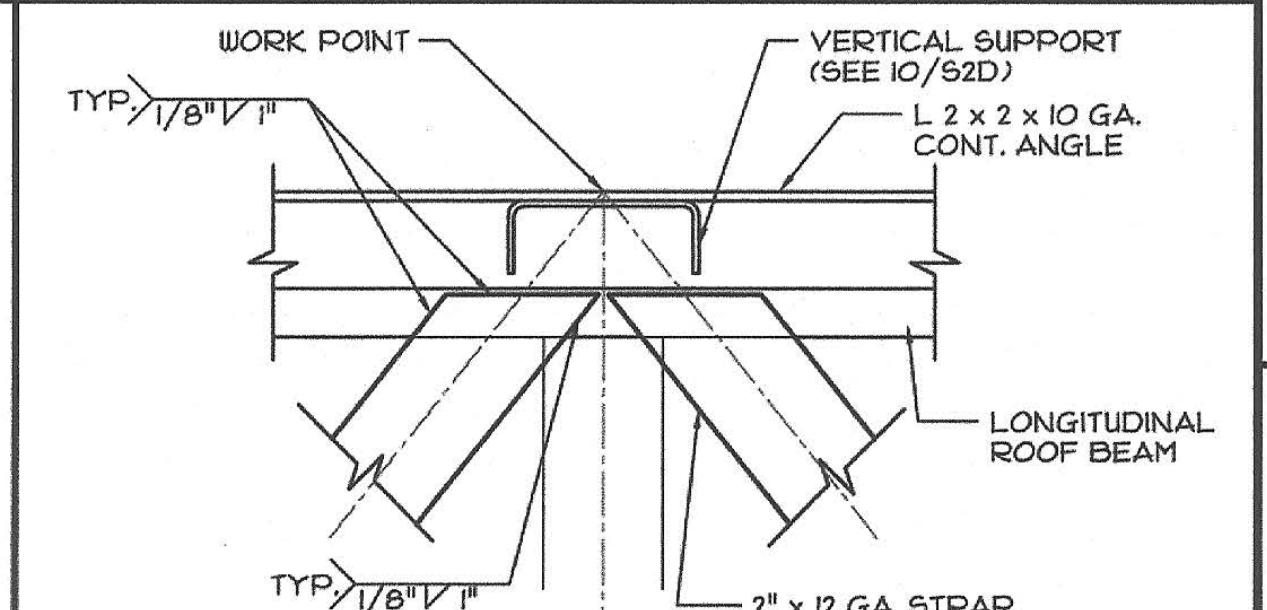
8.1 CROSS BRACE - @ SPLICE
SCALE: 3/4"=1'-0"



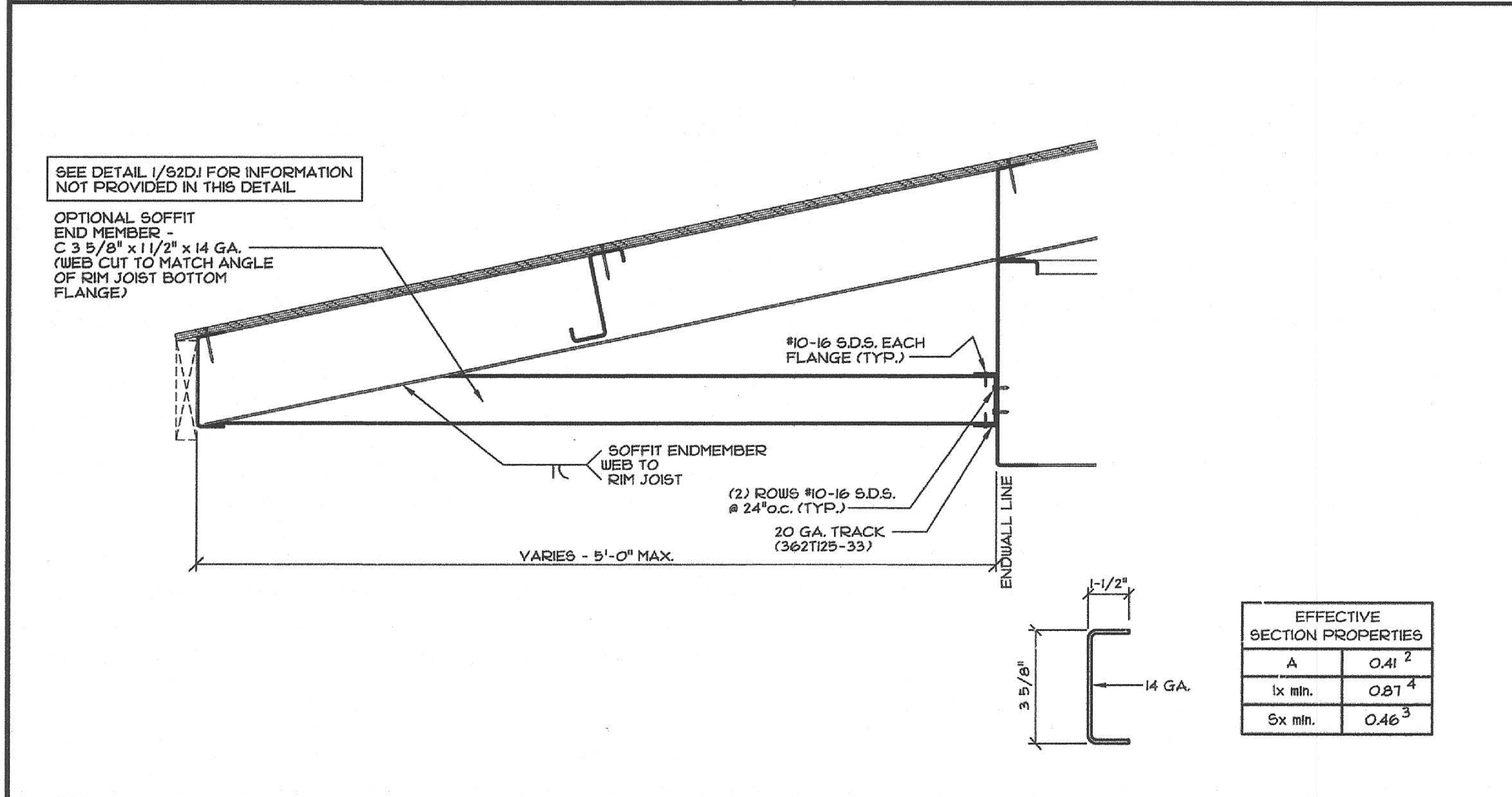
7 RIM JOIST CONN. @ MODULE LINE
SCALE: 3/4"=1'-0"



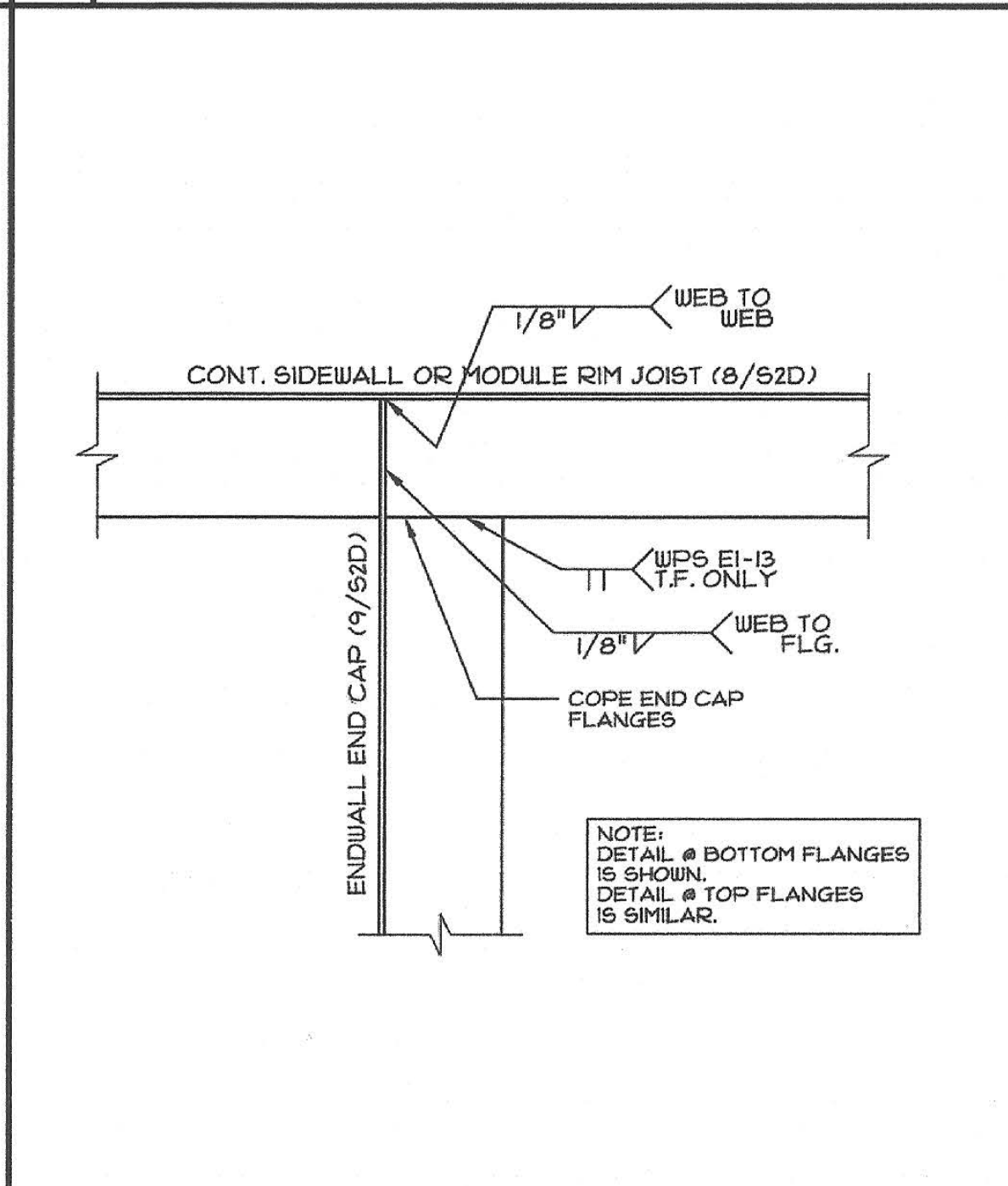
9 CROSS BRACE - @ VERT. SUPPORT
SCALE: 3/4"=1'-0"



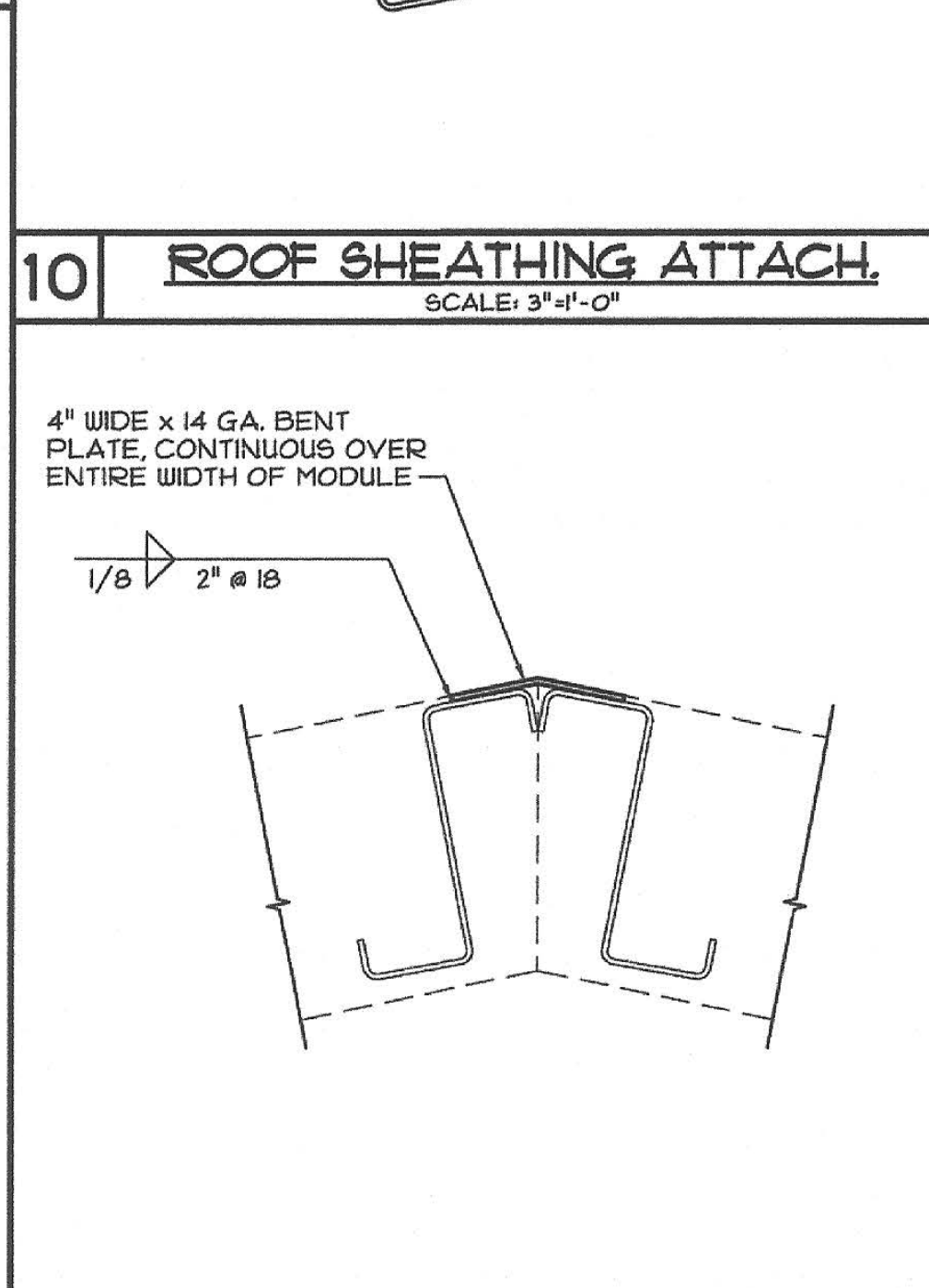
9 CROSS BRACE - @ VERT. SUPPORT
SCALE: 3/4"=1'-0"



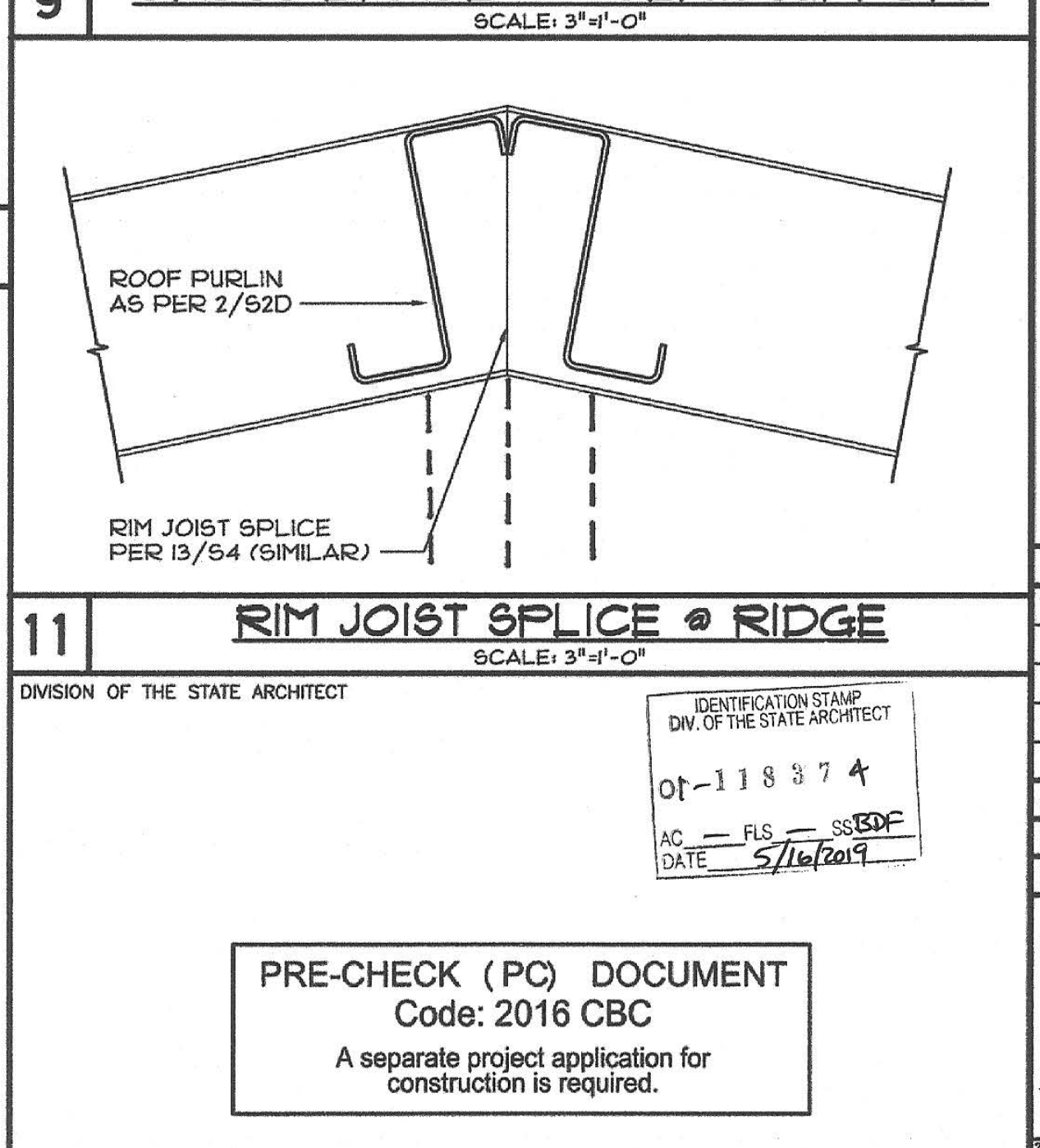
12 ENDMEMBER FOR SOFFIT
SCALE: 1/2"=1'-0"



14 END CAP TO RIM JOIST
SCALE: 3/4"=1'-0"



11.1 RIDGE CAP CONNECTION
SCALE: 3/4"=1'-0"



11 RIM JOIST SPLICE @ RIDGE
SCALE: 3/4"=1'-0"

CYS
STRUCTURAL ENGINEERS, INC.
05-13-2019
REGISTERED PROFESSIONAL ENGINEER
No. 62030
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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215, (209) 466-8000

VARIABLE SLOPE ROOF STRUCTURAL DETAILS

REV / DATE: BY:

JOB No.:

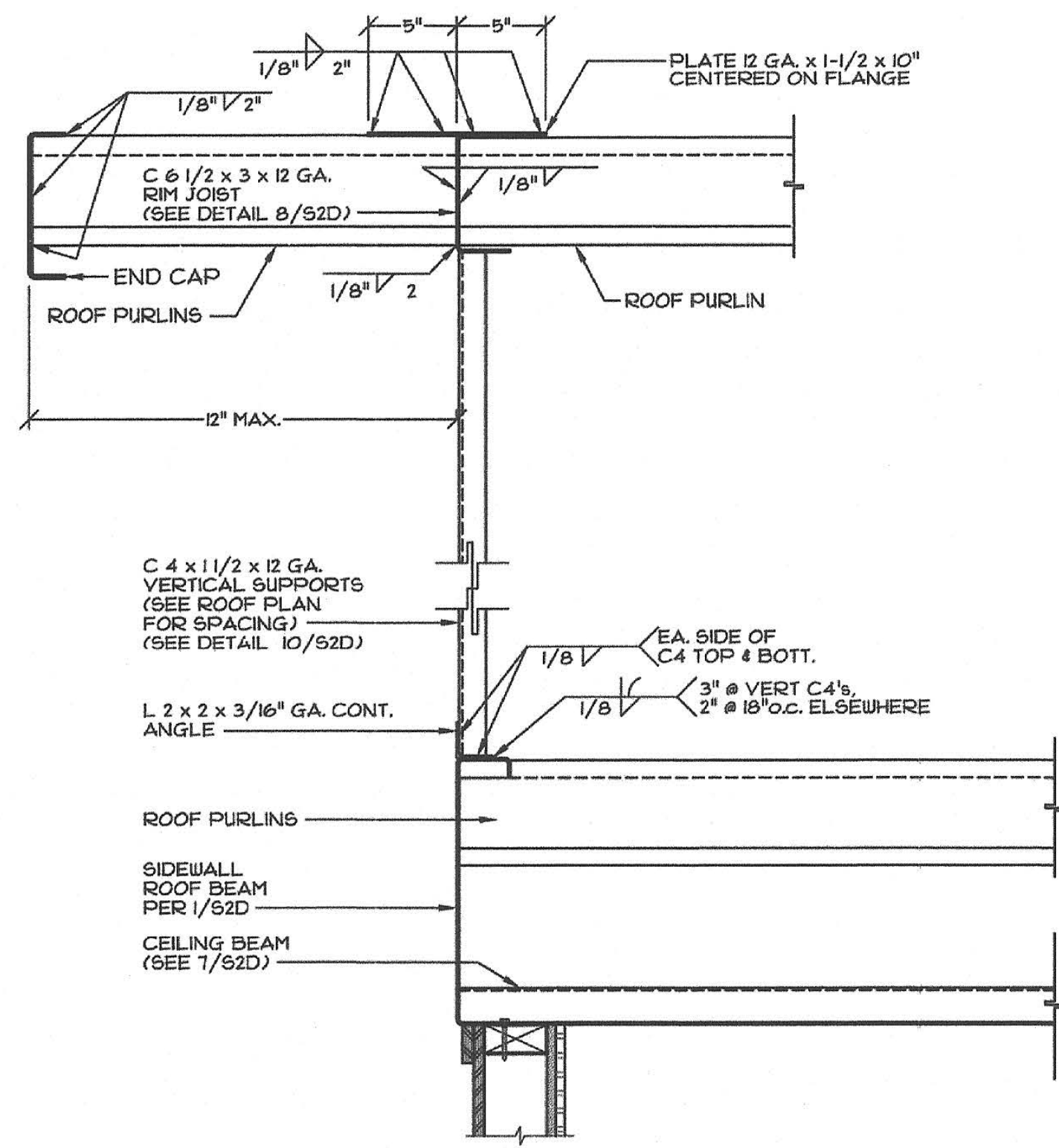
DRAWN BY:

DATE:

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-118094
DATE: 5/16/2019

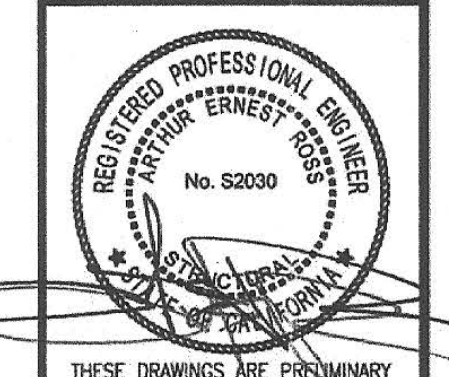
PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-118094
AC - FLS - SS - SDF
DATE: 9-6-2018



1 | **SIDEWALL OVERHANG DETAIL**
SCALE: 1/2"=1'-0"

CYS
STRUCTURAL ENGINEERS, INC.
4905 National Park Drive, Suite 200
Sacramento, CA 95835
(916) 486-1244
www.cyseng.com



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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 466-8000

VARIABLE SLOPE ROOF STRUCTURAL DETAILS

REV / DATE:	BY:

DIVISION OF THE STATE ARCHITECT		IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 01-118374 AC + FLS SS BDF DATE 5/16/2019
JOB No.:		
DRAWN BY:		
DATE:		
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 02-116094		AC FLS SS BDF DATE 9-6-2018

PRE-CHECK (PC) DOCUMENT
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24"x40" TO 220x40" P.C.
S2D.2

13

14

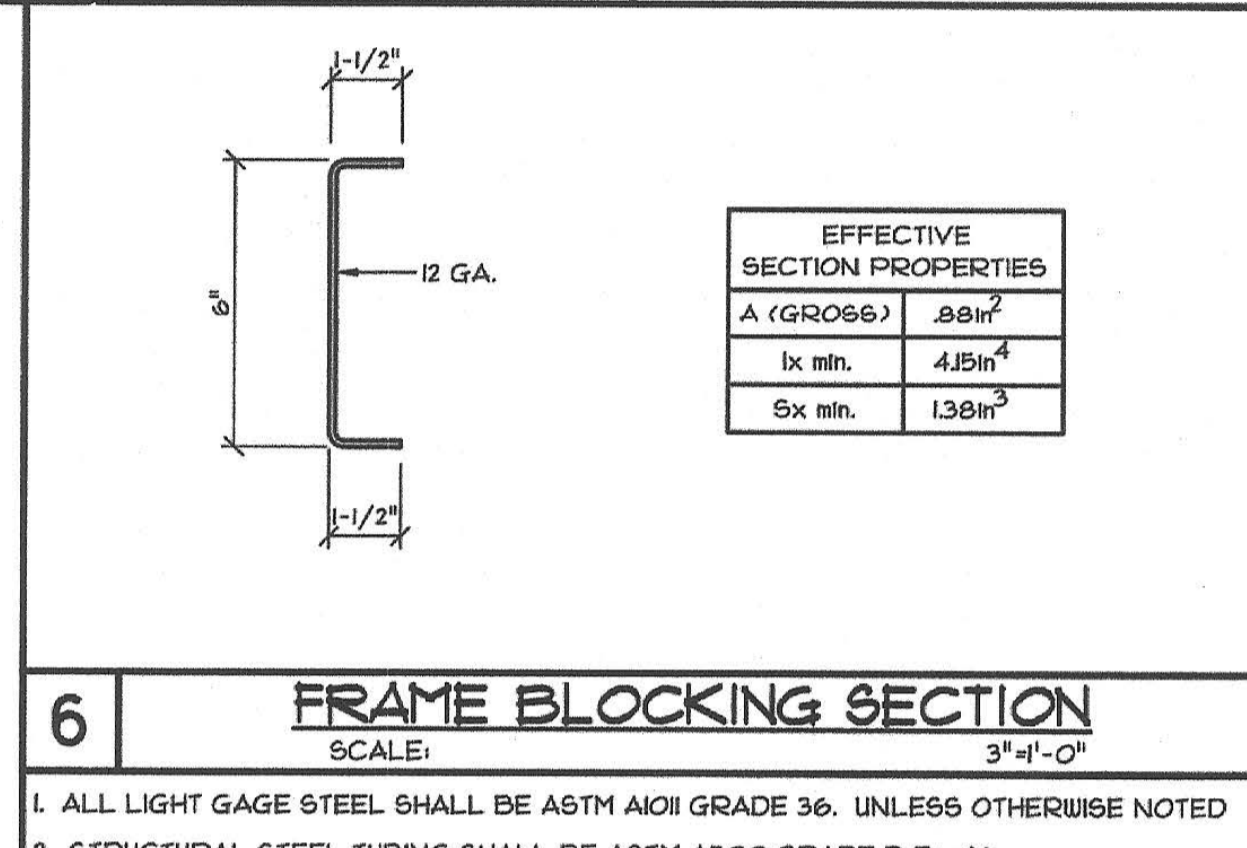
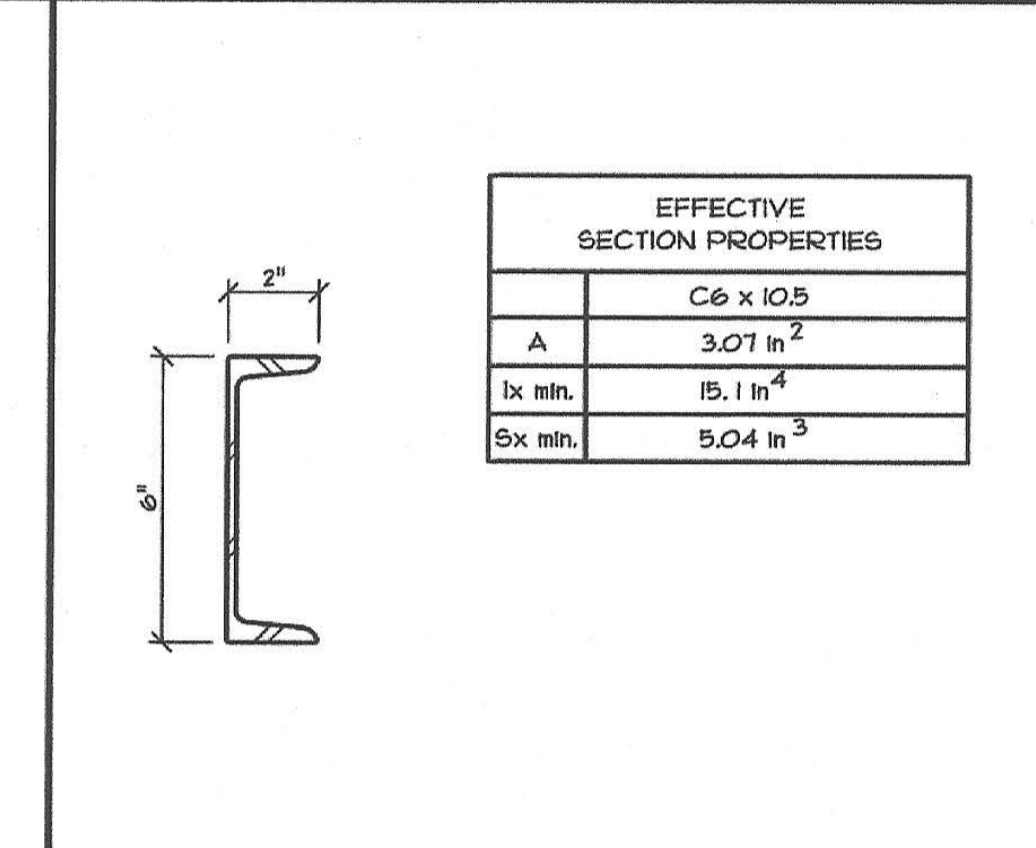
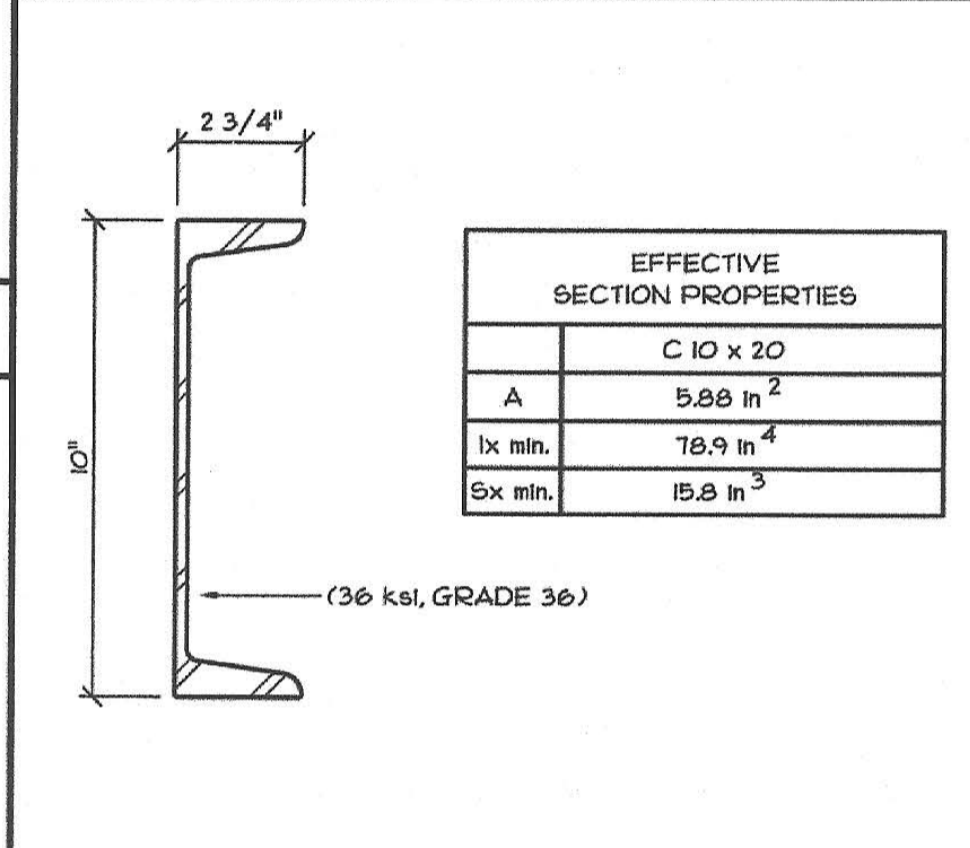
15

1

1.1

2

3



4 FLOOR BEAM SECTION
 SCALE: 3/4"=1'-0"

5 FLOOR JOIST SECTION
 SCALE: 3/4"=1'-0"

6 FRAME BLOCKING SECTION
 SCALE: 3/4"=1'-0"

- ALL LIGHT GAGE STEEL SHALL BE ASTM A1011 GRADE 36, UNLESS OTHERWISE NOTED
 - STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B F_y=46
 - ALL STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, BARS & MISC. SHAPES SHALL CONFORM TO ASTM A36, UNLESS OTHERWISE NOTED.
 - ALL MACHINE BOLTS SHALL BE ASTM A307.
 - WELDING SHALL BE DONE PER AWS D1.8 - D6.3.
 - WELDING INSPECTION TO BE PER C.B.C. SECTION 1705A.2.2.5
 - SEE TESTS AND INSPECTIONS REPORT SHEET AO FOR REQUIREMENTS.
 - LIGHT GAGE METAL & FRAMING THICKNESSES
- | GAGE | DESIGN THICKNESS | MIN. DELIVERED THICKNESS |
|--------------|------------------|--------------------------|
| 1 GA. STEEL | 0.1793" | 0.170" |
| 10 GA. STEEL | 0.240" | 0.178" |
| 12 GA. STEEL | 0.101" | 0.0966" |
| 14 GA. STEEL | 0.0713" | 0.0671" |
- MINIMUM STEEL THICKNESS SHALL NOT BE LESS THAN 95% OF THE DESIGN THICKNESS PER AISI - GENERAL AND AISI - N45.

STEEL SPECIFICATION

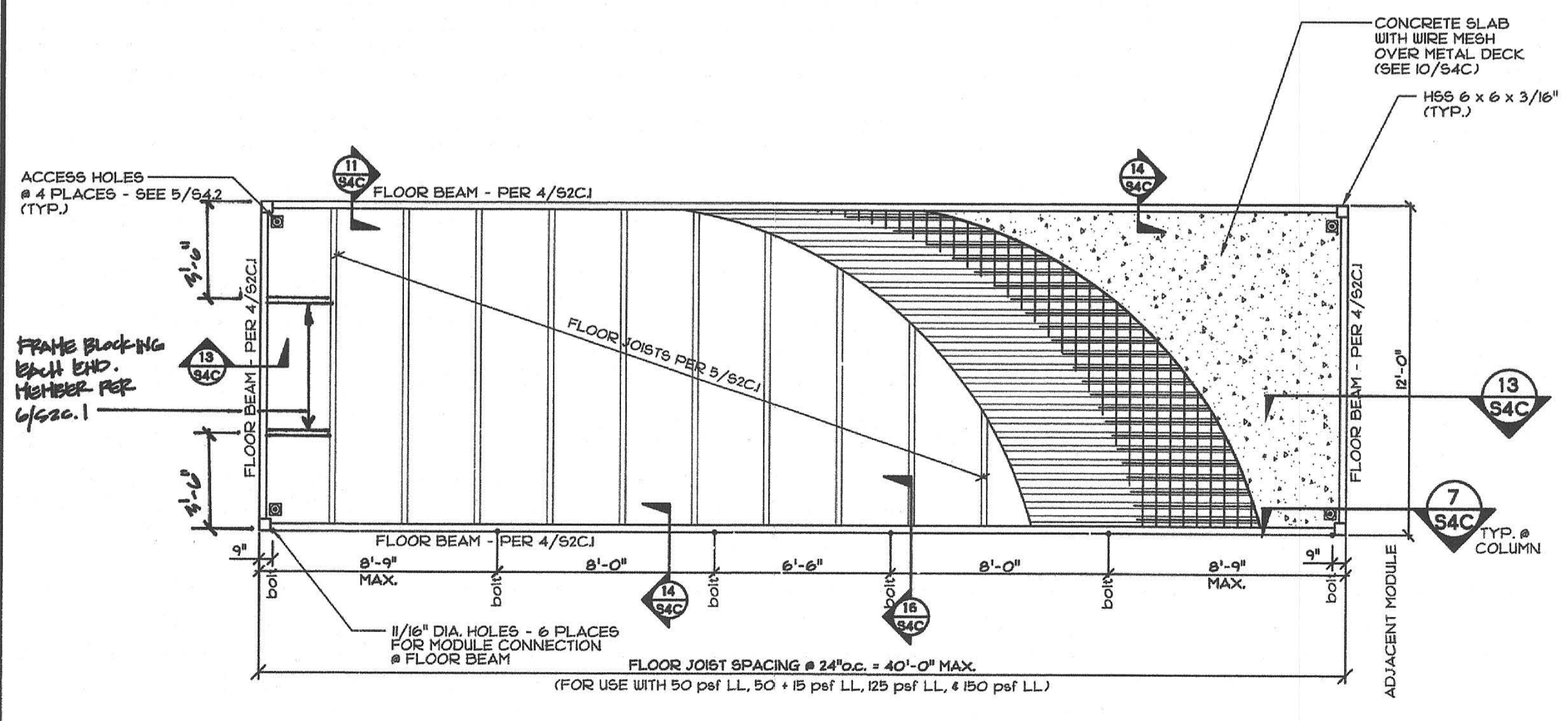
7

8

9

10

11



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

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 01-118374
 AC: FLS: SS: SDF
 DATE: 5/16/2019

PRE-CHECK (PC) DOCUMENT
 Code: 2016 CBC
 A separate project application for construction is required.

FOR BUILDINGS ON WOOD FOUNDATIONS
(NOTE: DIAPHRAGMS ARE UNBLOCKED UNLESS NOTED OTHERWISE)

SCREWS - #10 S.M.S. (AISI S213-07, SECTION D)

NOTE: SCREWS SHALL EXTEND THROUGH STEEL WITH A MIN. OF (3) EXPOSED THREADS.

SUBFLOORING	1-1/8" APA RATED T&G STURD-I-FLOOR TO STEEL BEAMS & JOISTS	LOW SEISMIC	50 PSF	65 PSF	125 PSF
		HIGH SEISMIC	6" o.c. EDGES, 12" o.c. FIELD	6" o.c. EDGES, 12" o.c. FIELD	6" o.c. EDGES, 12" o.c. FIELD
ROOF	5/8" APA RATED PLYWOOD OR ORIENTED STRAND BOARD TO PURLINS & BEAMS				

FOR BUILDINGS ON CONCRETE FOUNDATIONS
(NOTE: DIAPHRAGMS ARE UNBLOCKED UNLESS NOTED OTHERWISE)

SCREWS - #10 S.M.S. (AISI S213-07, SECTION D)

NOTE: SCREWS SHALL EXTEND THROUGH STEEL WITH A MIN. OF (3) EXPOSED THREADS.

SUBFLOORING	1-1/8" APA RATED T&G STURD-I-FLOOR TO STEEL BEAMS & JOISTS	LOW SEISMIC	50 PSF	65 PSF	125 PSF	150 PSF
		HIGH SEISMIC	6" o.c. EDGES, 12" o.c. FIELD	6" o.c. EDGES, 12" o.c. FIELD	6" o.c. EDGES, 12" o.c. FIELD	6" o.c. EDGES, 12" o.c. FIELD
SUBFLOORING	3/4" USG "LEVELROCK" FLOOR TOPPING OVER 3/8" SOUND REDUCTION BOARD OVER 1-1/8" T&G STURD-I-FLOOR PLY SHEATHING	LOW SEISMIC - 150 PSF	50 PSF	65 PSF	125 PSF	150 PSF
		HIGH SEISMIC	6" o.c. EDGES, 12" o.c. FIELD	6" o.c. EDGES, 12" o.c. FIELD	6" o.c. EDGES, 12" o.c. FIELD	PER DIAGRAM BELOW ***
SUBFLOORING	LOW SEISMIC - 150 PSF	LOW SEISMIC				
		HIGH SEISMIC	*** SUBFLOORING FASTENING/BLOCKING PATTERN (ONLY FOR CONDITIONS MARKED W/ AN ASTERISK IN THE TABLES ABOVE)			
SUBFLOORING	HIGH SEISMIC - 50, 65, 125, & 150 PSF	LOW SEISMIC				
		HIGH SEISMIC	*** SUBFLOORING FASTENING/BLOCKING PATTERN (ONLY FOR CONDITIONS MARKED W/ AN ASTERISK IN THE TABLES ABOVE)			
ROOF	5/8" APA RATED PLYWOOD OR ORIENTED STRAND BOARD TO PURLINS & BEAMS					

FOR BUILDINGS ON WOOD FOUNDATIONS
(NOTE: ALL DIAPHRAGMS ARE UNBLOCKED UNLESS NOTED OTHERWISE)

E.T. & F. - AKN 144 x 1 3/4" PIN (UES ER 335)

SUBFLOORING	1-1/8" APA RATED T&G STURD-I-FLOOR TO STEEL BEAMS & JOISTS	LOW SEISMIC	50 PSF	65 PSF	125 PSF
		HIGH SEISMIC	PER DIAGRAM *		
SUBFLOORING	LOW & HIGH SEISMIC - 50, 65, & 125 PSF	LOW SEISMIC			
		HIGH SEISMIC	* SUBFLOORING FASTENING/BLOCKING PATTERN (ONLY FOR CONDITIONS MARKED W/ AN ASTERISK IN THE TABLES ABOVE)		
ROOF	5/8" APA RATED PLYWOOD OR ORIENTED STRAND BOARD TO PURLINS & BEAMS				

FOR BUILDINGS ON CONCRETE FOUNDATIONS
(NOTE: ALL DIAPHRAGMS ARE UNBLOCKED UNLESS NOTED OTHERWISE)

E.T. & F. - AKN 144 x 1 3/4" PIN (UES ER 335)

SUBFLOORING	1-1/8" APA RATED T&G STURD-I-FLOOR TO STEEL BEAMS & JOISTS	LOW SEISMIC	50 PSF	65 PSF	125 PSF	150 PSF
		HIGH SEISMIC	PER DIAGRAM **			
SUBFLOORING	3/4" USG "LEVELROCK" FLOOR TOPPING OVER 3/8" SOUND REDUCTION BOARD OVER 1-1/8" T&G STURD-I-FLOOR PLY SHEATHING	LOW SEISMIC	50 PSF	65 PSF	125 PSF	150 PSF
		HIGH SEISMIC	PER DIAGRAM ***			
SUBFLOORING	LOW SEISMIC - 50, 65, 125, & 150 PSF	LOW SEISMIC				
		HIGH SEISMIC	** SUBFLOORING FASTENING/BLOCKING PATTERN (ONLY FOR CONDITIONS MARKED W/ AN ASTERISK IN THE TABLES ABOVE)			
SUBFLOORING	HIGH SEISMIC - 50, 65, 125, & 150 PSF	LOW SEISMIC				
		HIGH SEISMIC	*** SUBFLOORING FASTENING/BLOCKING PATTERN (ONLY FOR CONDITIONS MARKED W/ AN ASTERISK IN THE TABLES ABOVE)			
ROOF	5/8" APA RATED PLYWOOD OR ORIENTED STRAND BOARD TO PURLINS & BEAMS					

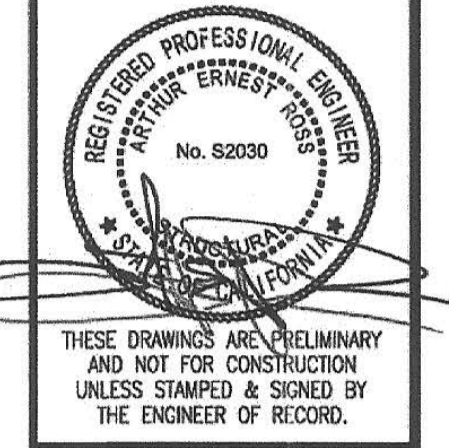
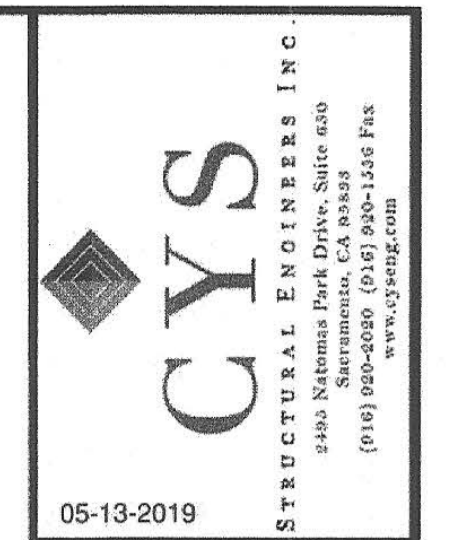
- WALL TO FRAME FASTENING:**
- WALL PANEL TOP PLATE TO PERIMETER ROOF BEAM: (1) 1/4" x 2 1/2" LAG SCREWS FROM ROOF BEAM BOT. FLANGE INTO TOP PLATE @ 15" o.c. MAX.
 - WALL PANEL BOTTOM PLATE TO PERIMETER FLOOR BEAM: 1/4" x 20 TEK 5/4 SCREWS @ 16" o.c. FROM BOT. PLATE INTO FLOOR BEAM TOP FLANGE
 - WALL PANEL SIDE STUDS TO H&S CORNER COLUMNS: #12-24 x 2 1/2" S.D.S. @ 16" o.c. FROM SIDE STUD INTO STEEL CORNER COLUMN.
 - TOP AND BOTTOM PLATE TO STUDS AND KING STUDS: (3) J35 x 3 1/4" LONG MACHINE NAIL
 - DOUBLE STUDS, TRIMMERS, SILLS: J35 x 3 1/4" LONG MACHINE NAILS @ 8" o.c. AND CRIPPLES STICH NAILED
 - CRIPPLES, TRIMMERS END NAILED: (3) J35 x 3 1/4" LONG MACHINE NAIL EA. END TO PLATES AND SILLS.
 - CRIPPLES, TRIMMERS: (3) J35 x 3 1/4" LONG MACHINE NAIL NAILED TO HEADERS.
 - ALL HANGERS, STRAPS, CLIPS, ETC.: NAILED AS PER MANUFACTURERS SPECS.
 - FASTENING CONDITIONS NOT ADDRESSED ABOVE: TABLE 2304.10.1, 2016 C.B.C.

- SHEATHING NAILING & NOTES:**
- DO NOT CRUSH SHEATHING FACE PLY (OUTER VENEER LAYER) BY OVER DRIVING SCREWS, MACHINE, OR HAND NAILS.
 - UNDER DRIVEN NAILS SHALL BE CORRECTED BY HAND SET.
 - REMOVE AND REPLACE NAILS DRIVEN THAT MISS FRAMING OR SUPPORT.
 - ALL CORRECTIVE NAILING SHALL BE DONE BY HAND NAILING.
 - H.D.G. - HOT DIPPED GALVANIZED WITH MINIMUM COATING OF 1 OZ PER SQ. FT. OF ZINC. OR MECHANICALLY GALVANIZED PER ASTM F-1667.
 - FOR BLOCKED DIAPHRAGMS, BLOCK PANEL EDGES PER 1/54.1
 - MINIMUM SHEATHING PANEL WIDTH SHALL BE 24" PER AISI S213, D32

SIDING	
EXTERIOR SIDING	INTO 2x4 OR 2x6 WOOD STUDS; J3" x 2 1/2" @ 6" o.c. PANEL EDGES, 12" o.c. IN FIELD. (H.D.G. OR MECH. GALV. NAILS, PER ASTM F-1667). INTO STEEL COLUMNS; #12-24 x 2" S.D.S. @ 24" o.c.
GYPSON WALLBOARD	
1/2" GYP. BOARD TO 2x4 OR 2x6 STUDS	J21 x 1 1/2" COATED NAILS @ 8" o.c. EDGES, 8" o.c. IN FIELD.
OVERHANG SOFFIT	
1/2" APA RATED SHEATHING	#8 x 1" S.M.S. @ 12" o.c. EDGES, 12" o.c. IN FIELD (PRE-PUNCHED HOLES IN STEEL)

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

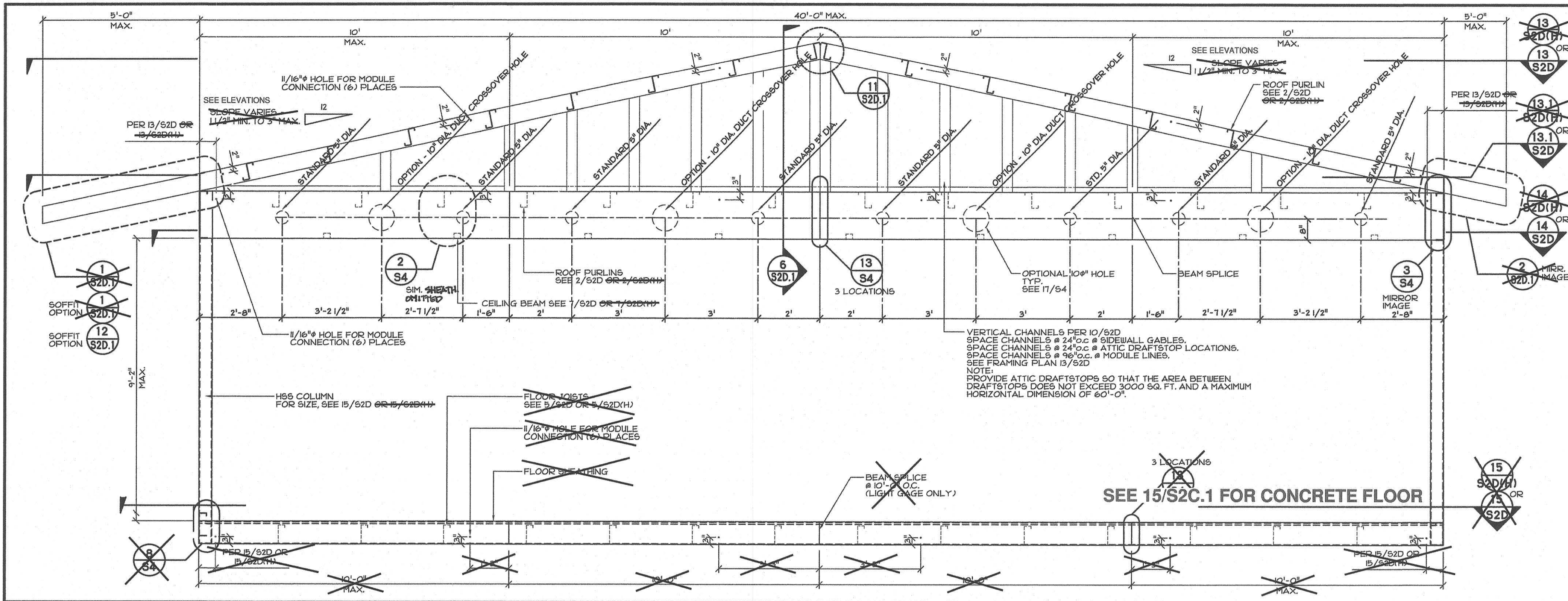
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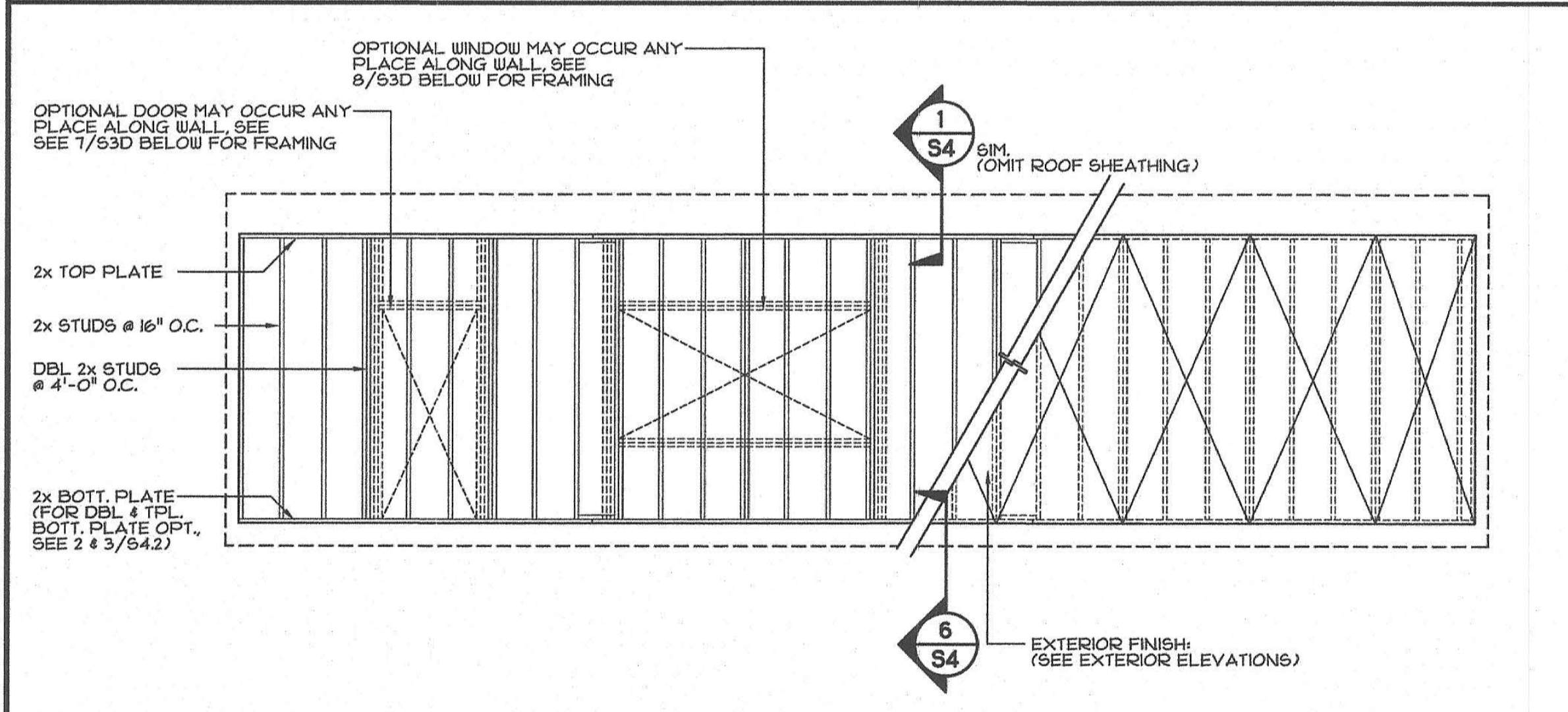
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FASTENING SCHEDULE & NOTES

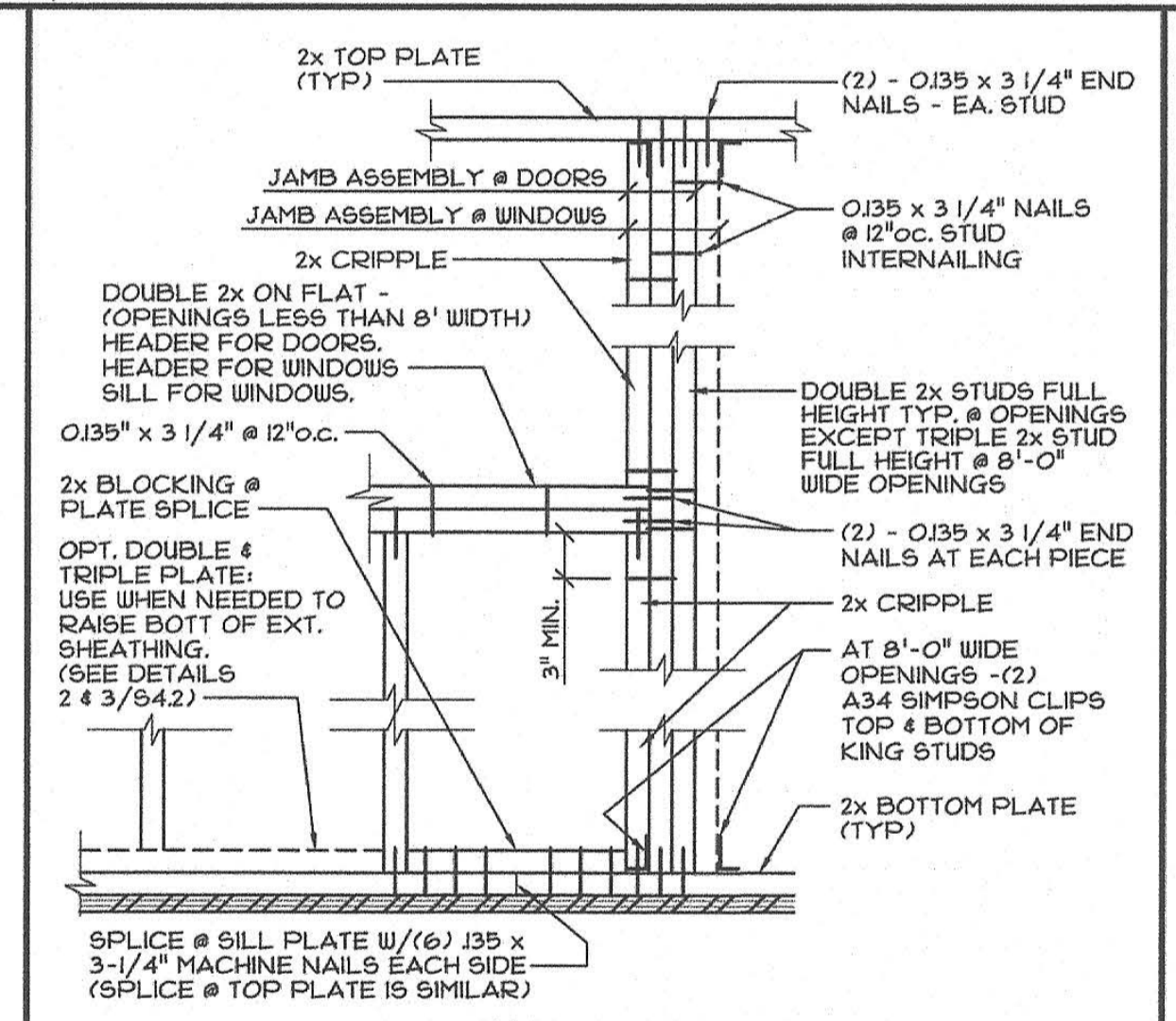
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AC - FLS - SS BOP	
DATE 9-6-2018	
2016 - 2020	



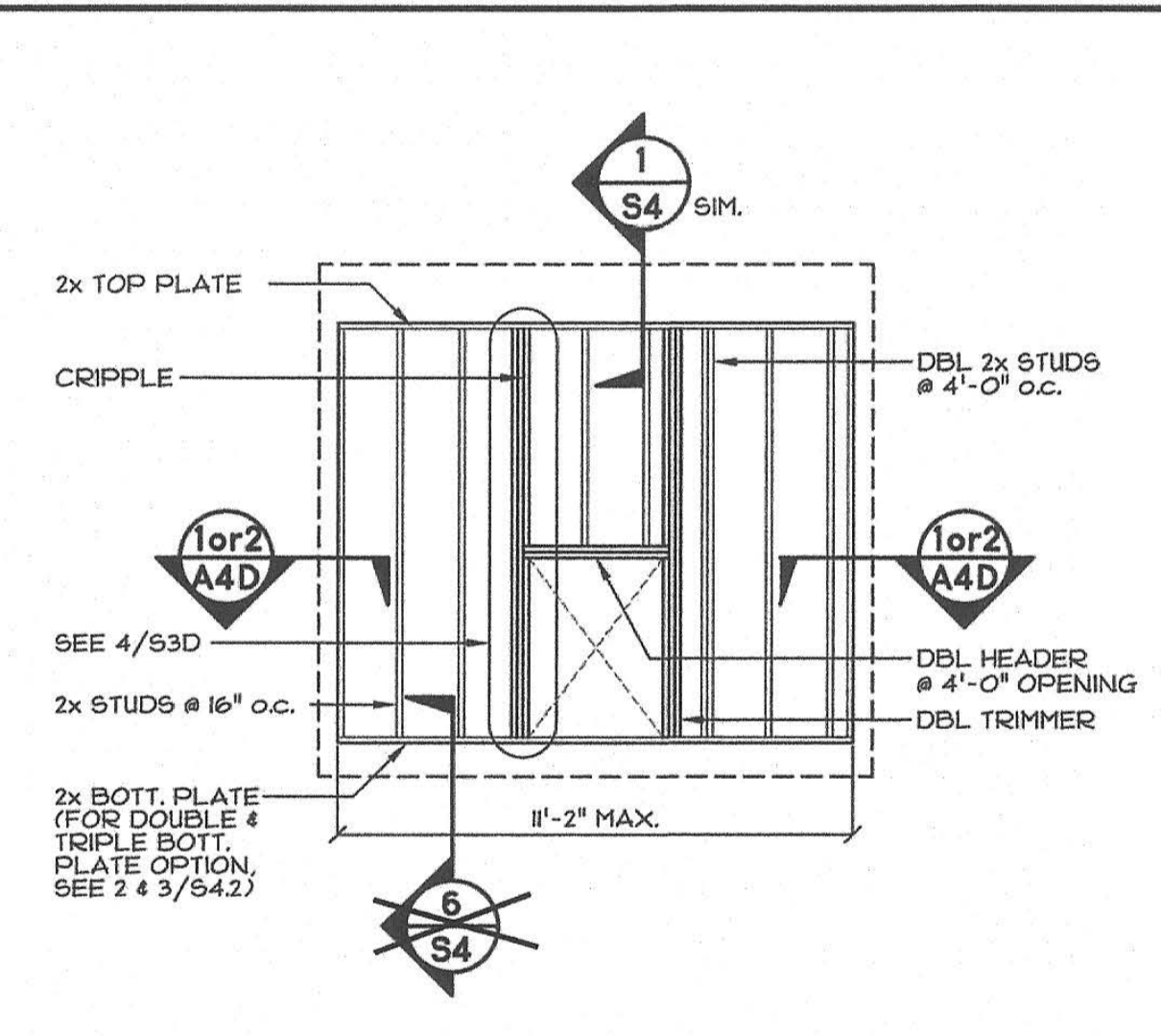
TYPICAL LONGITUDINAL FRAME SECTION - VARIABLE SLOPE ROOF
SCALE: 1/2" = 1'-0"



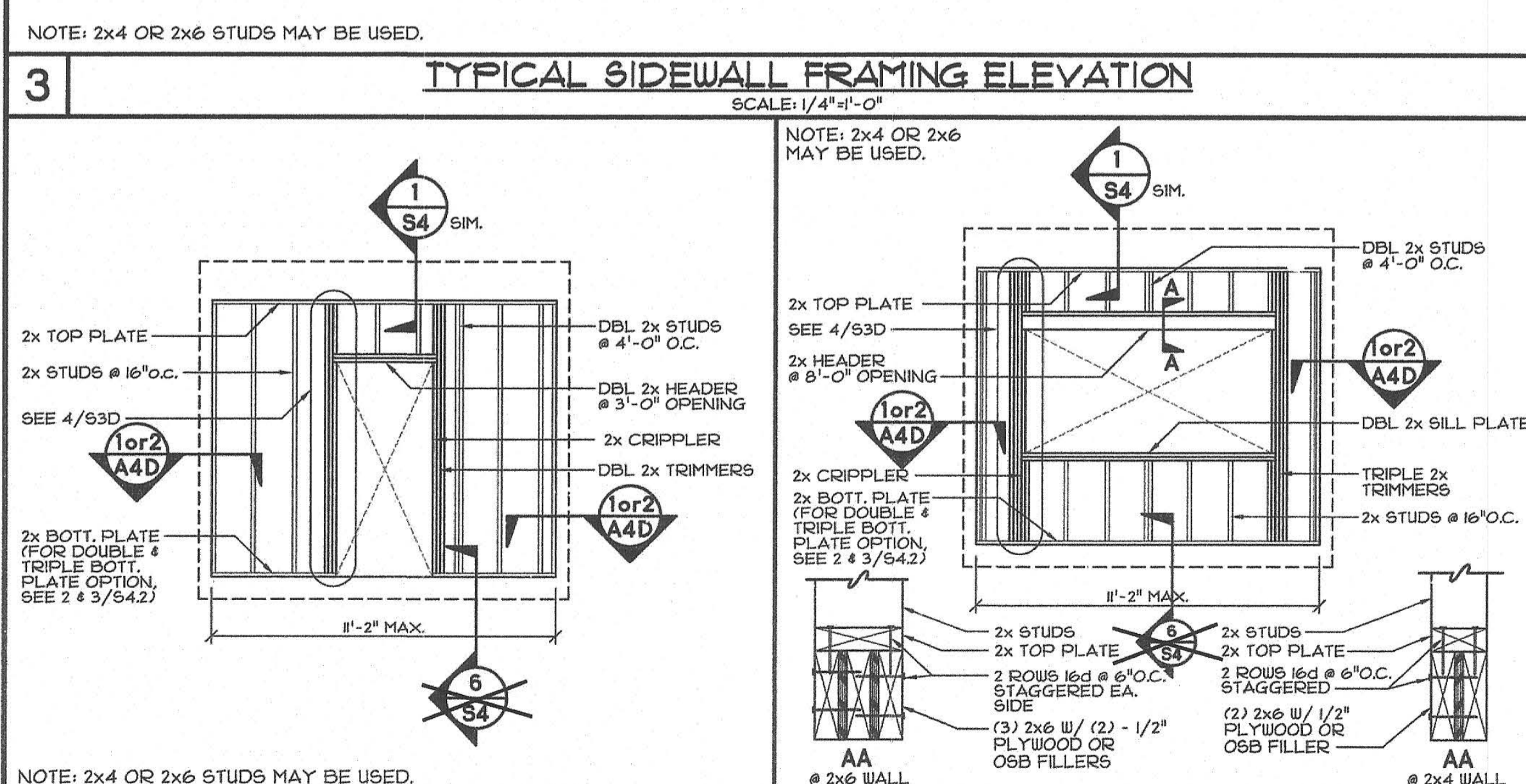
TYPICAL SIDEWALL FRAMING ELEVATION
SCALE: 1/4" = 1'-0"



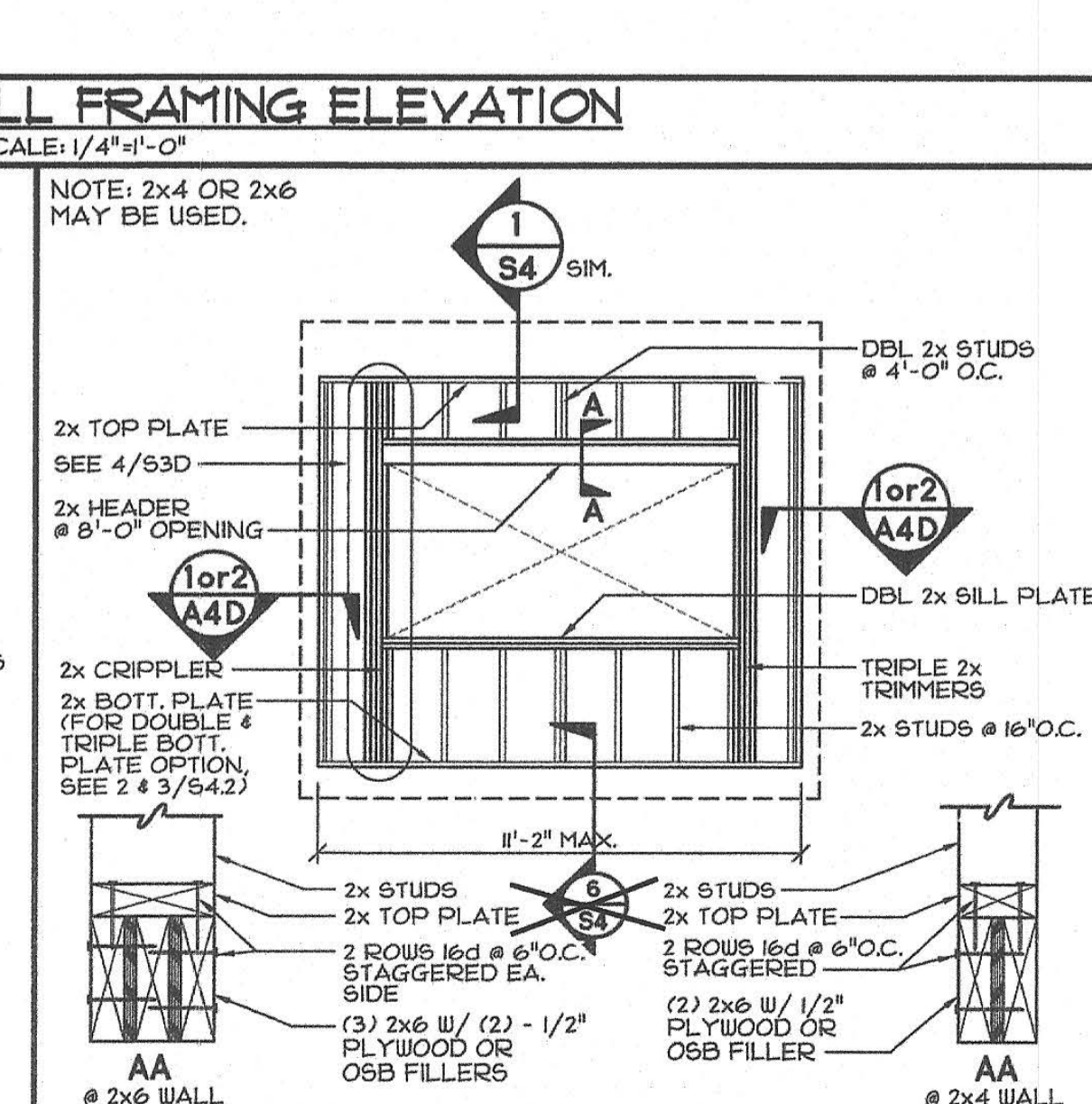
STUD NAILING DETAIL
SCALE: 1" = 1'-0"



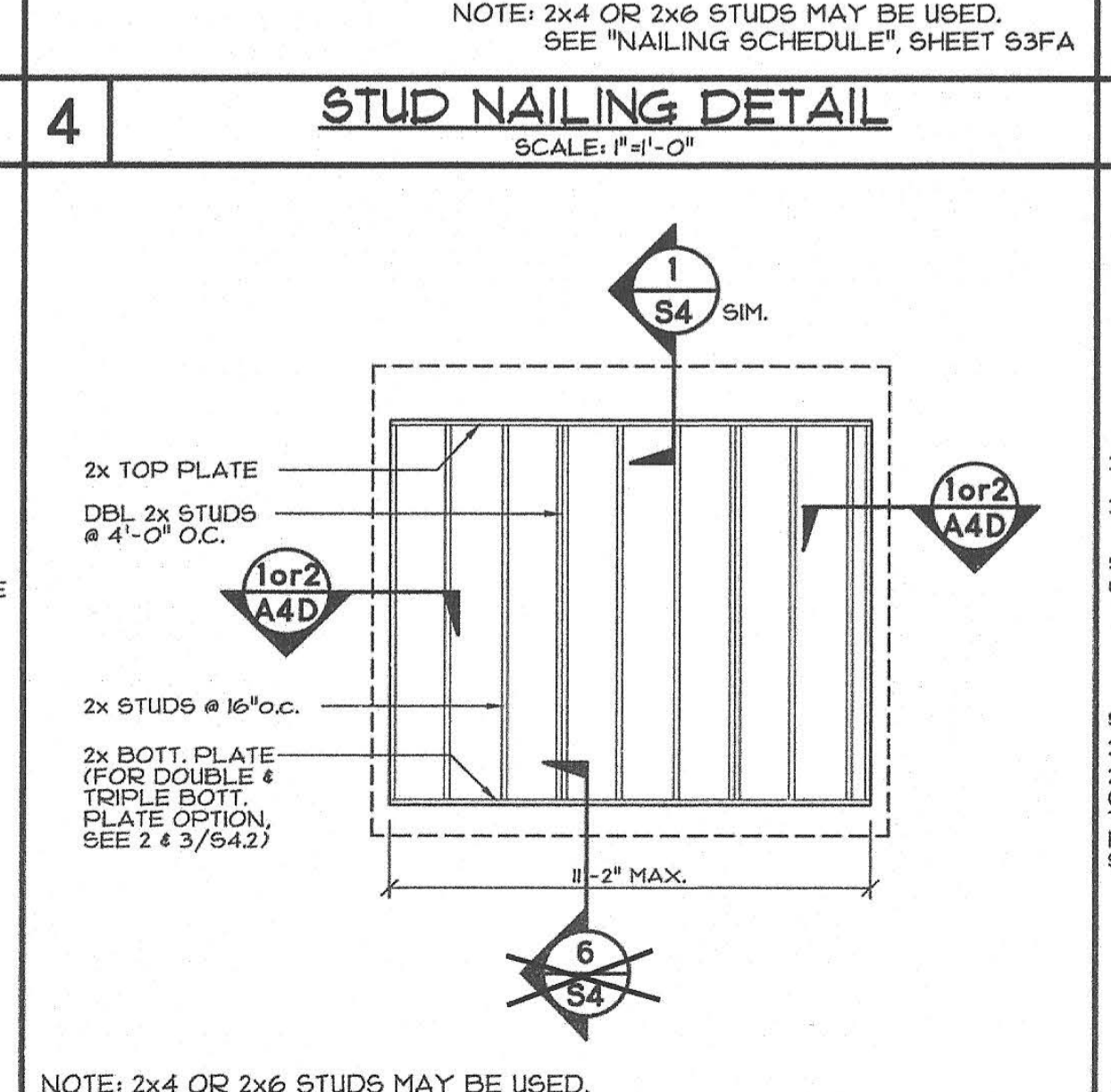
WALL FRAMING - INTERIOR HVAC
SCALE: 1/4" = 1'-0"



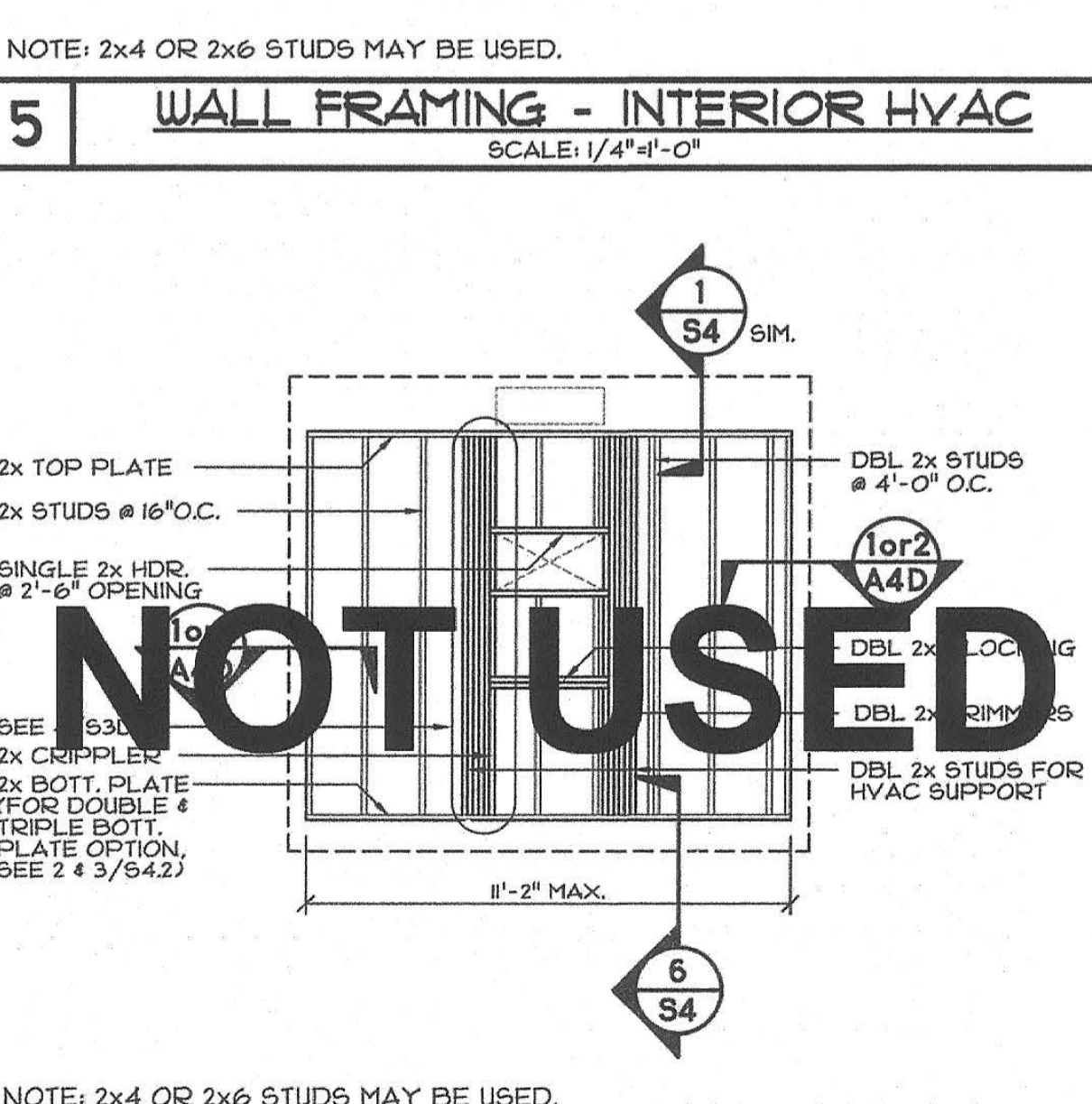
WALL FRAMING - EXTERIOR DOOR
SCALE: 1/4" = 1'-0"



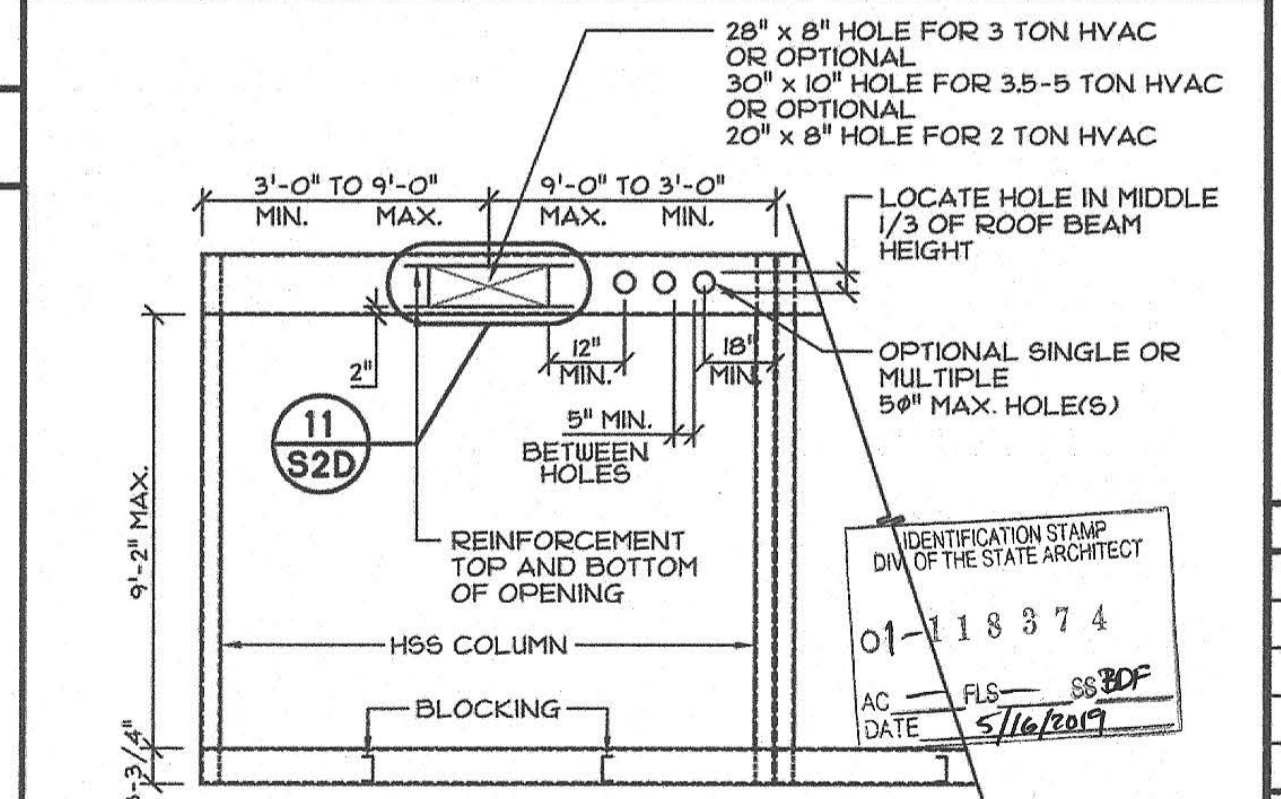
WALL FRAMING - EXTERIOR WINDOW
SCALE: 1/4" = 1'-0"



WALL FRAMING - TYP. 12'-0" WALL
SCALE: 1/4" = 1'-0"



WALL FRAMING - EXTERIOR HVAC
SCALE: 1/4" = 1'-0"



END FRAME ELEVATION
SCALE: 1/4" = 1'-0"

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7 WALL FRAMING - EXTERIOR DOOR
SCALE: 1/4" = 1'-0"

8 WALL FRAMING - EXTERIOR WINDOW
SCALE: 1/4" = 1'-0"

9 WALL FRAMING - TYP. 12'-0" WALL
SCALE: 1/4" = 1'-0"

10 WALL FRAMING - EXTERIOR HVAC
SCALE: 1/4" = 1'-0"

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VARIABLE SLOPE ROOF
LONGITUDINAL BUILDING SECTION,
WALL FRAMING ELEVATIONS, END
FRAME ELEVATION

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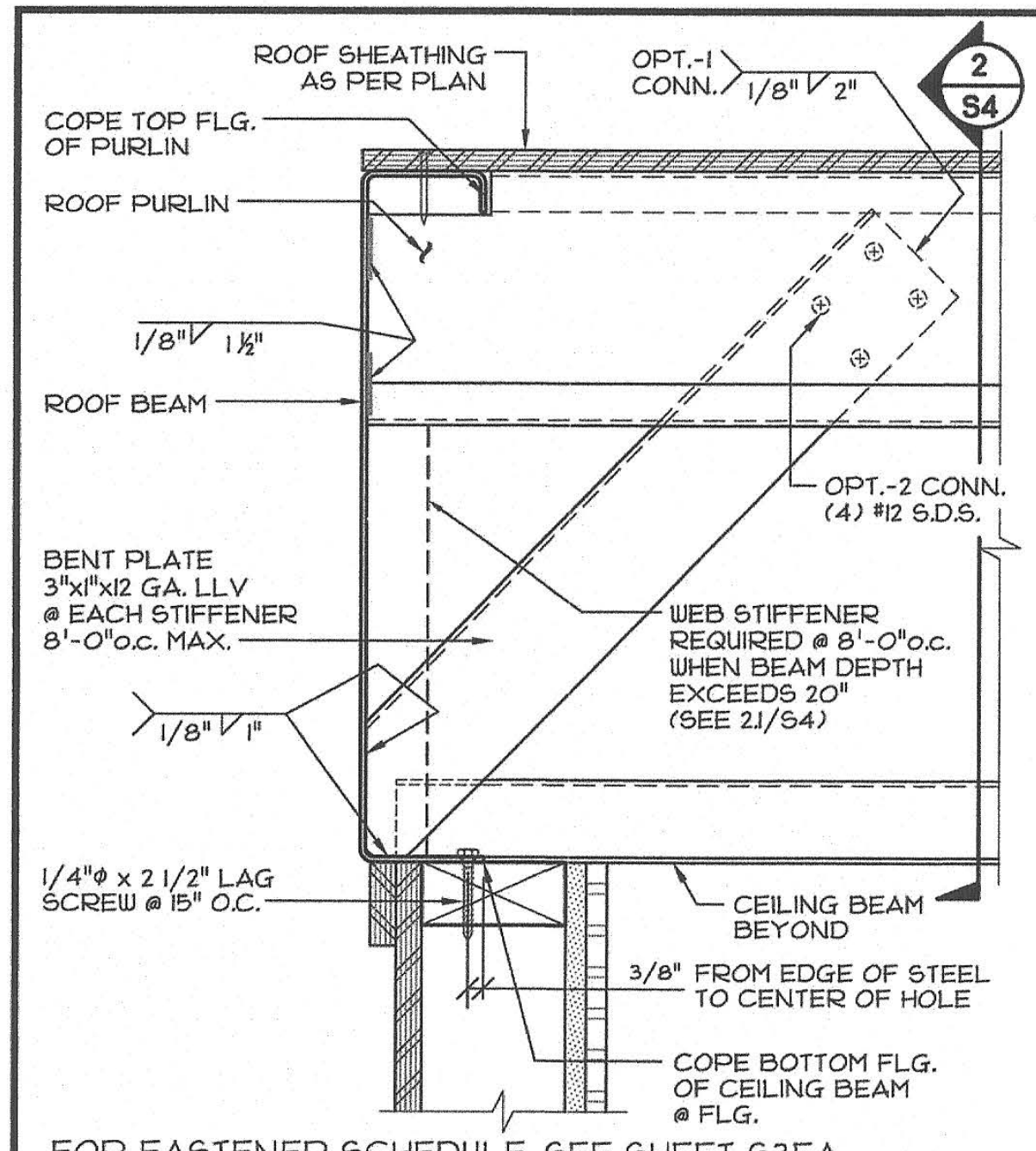
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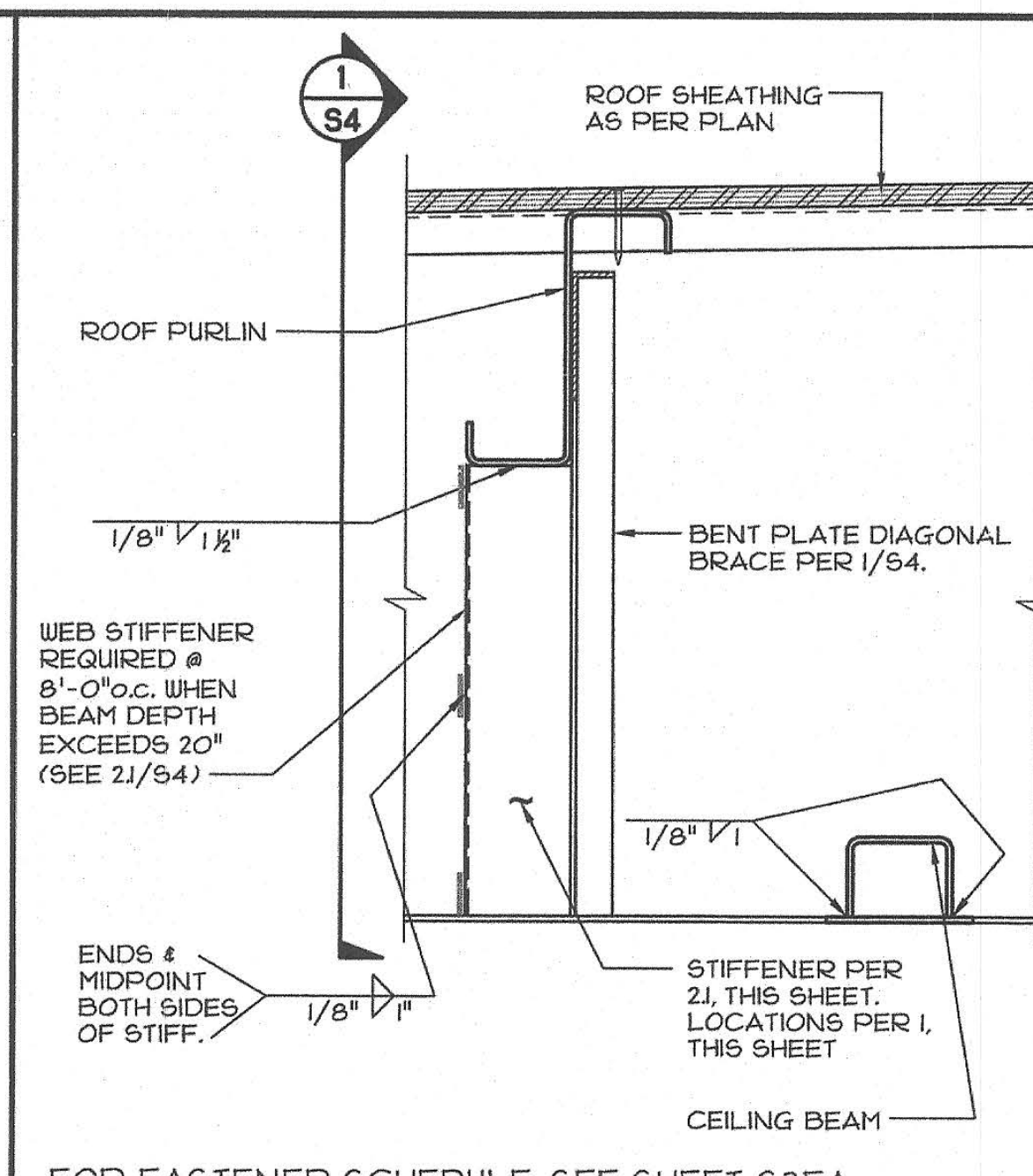
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S3D

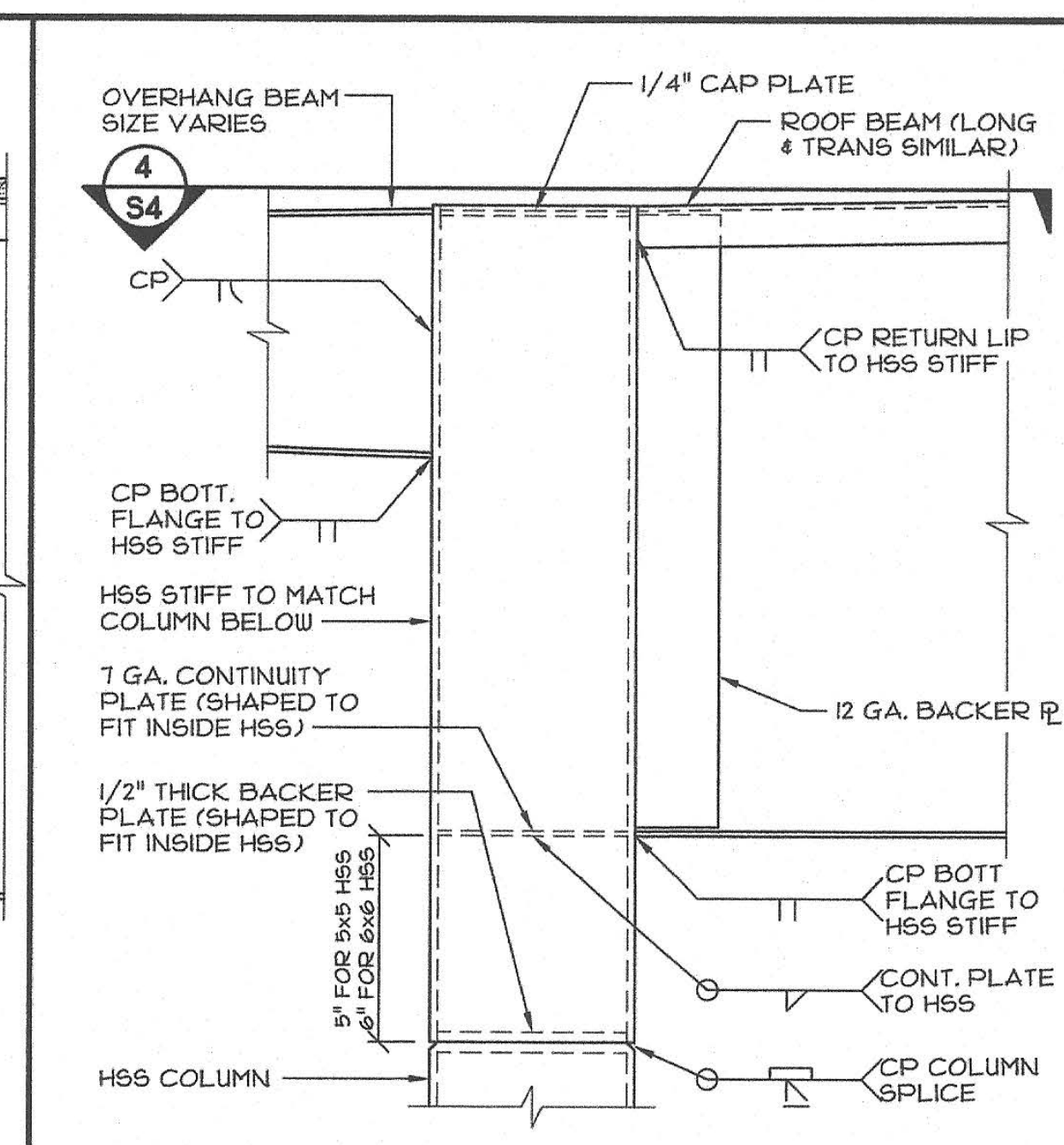
24"x40" TO 120"x40" P.C.



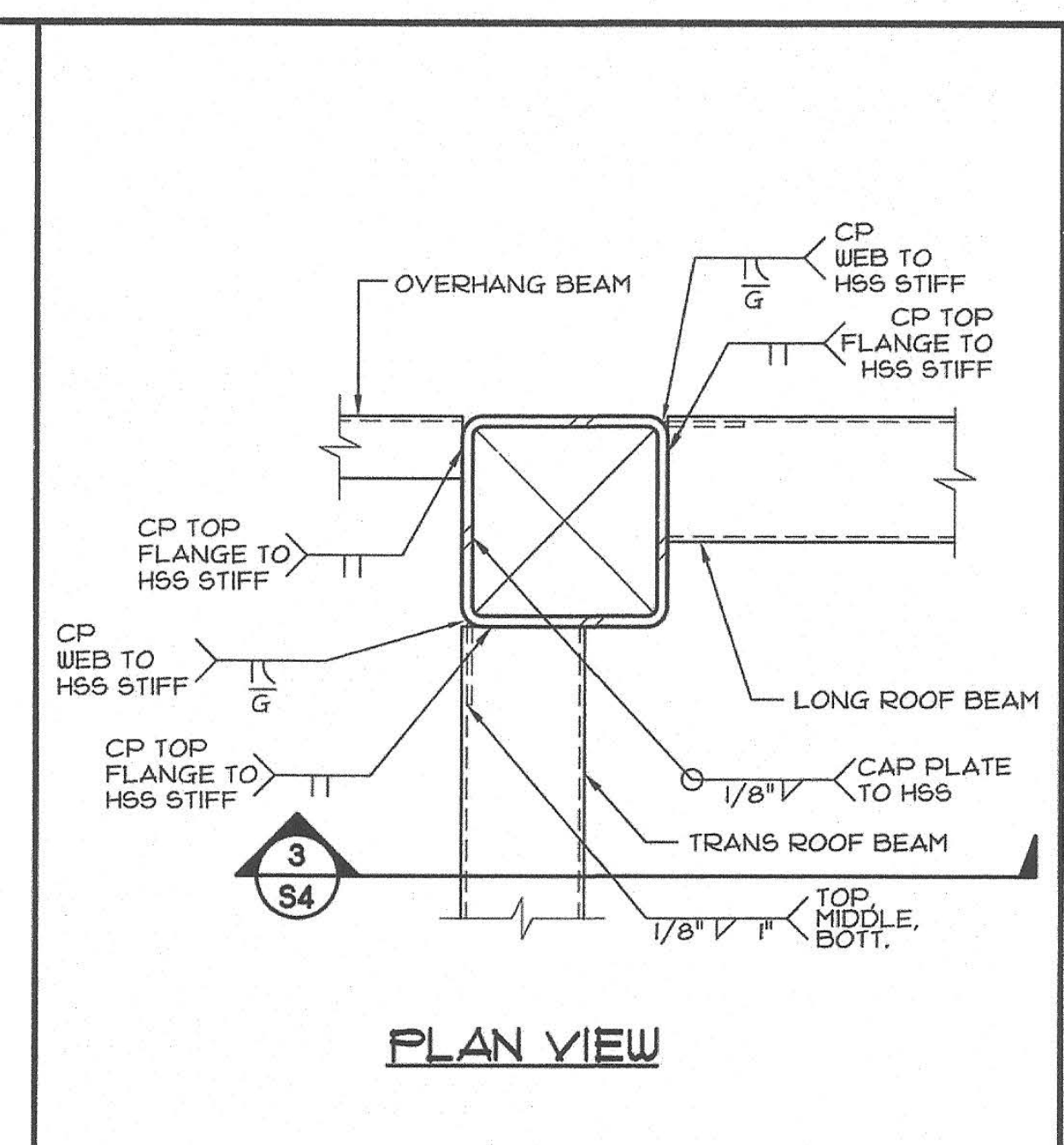
1 ROOF BEAM SECTION @ PURLIN
SCALE: 3/4"=1'-0"



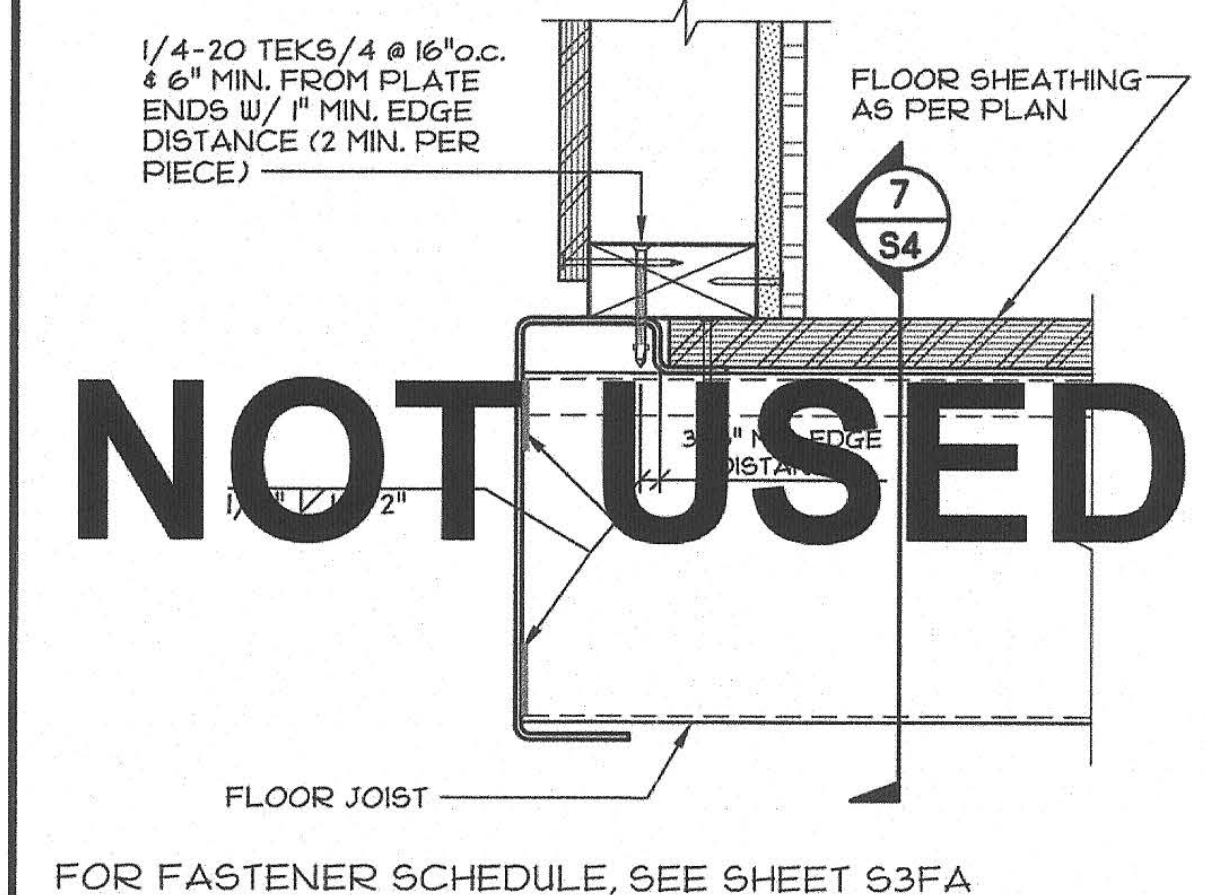
2 PURLIN TO STIFFENER AT BEAM
SCALE: 3/4"=1'-0"



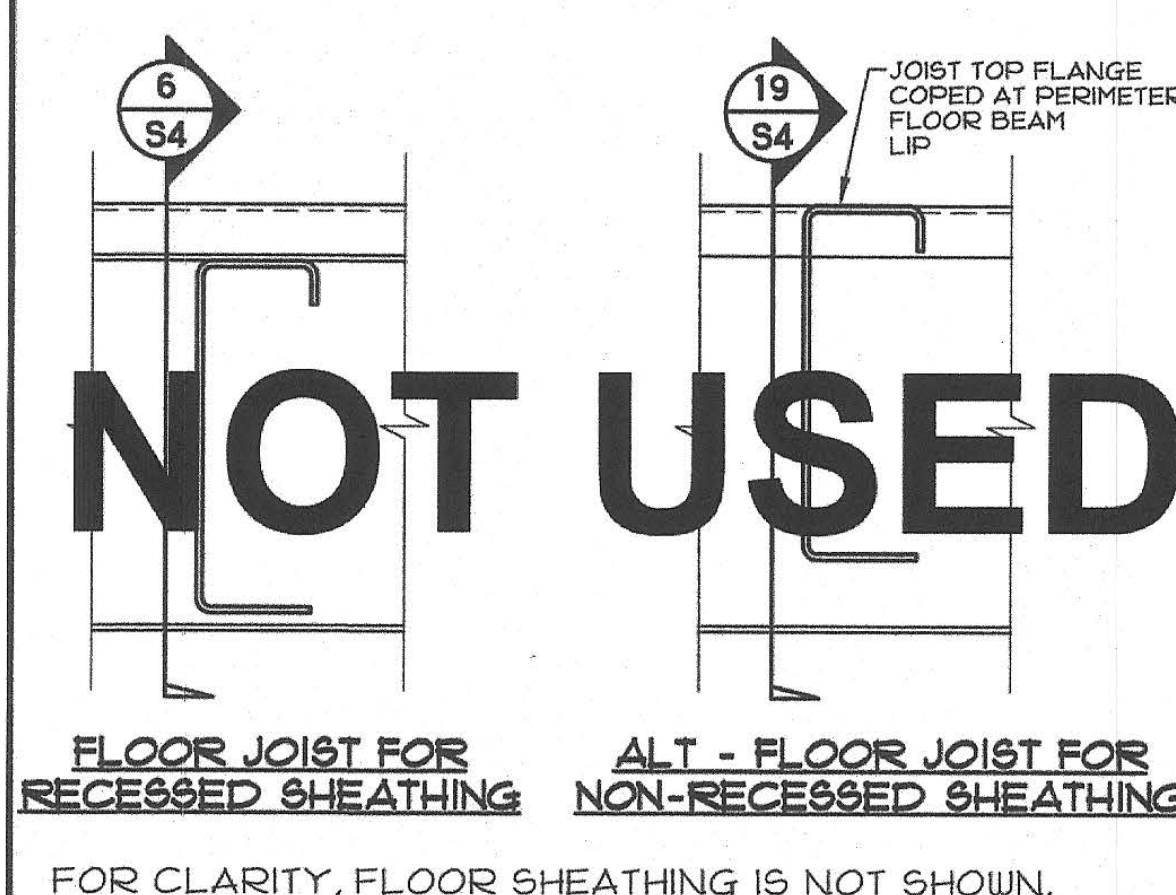
3 ROOF BEAM @ CORNER - SECTION
SCALE: 3/4"=1'-0"



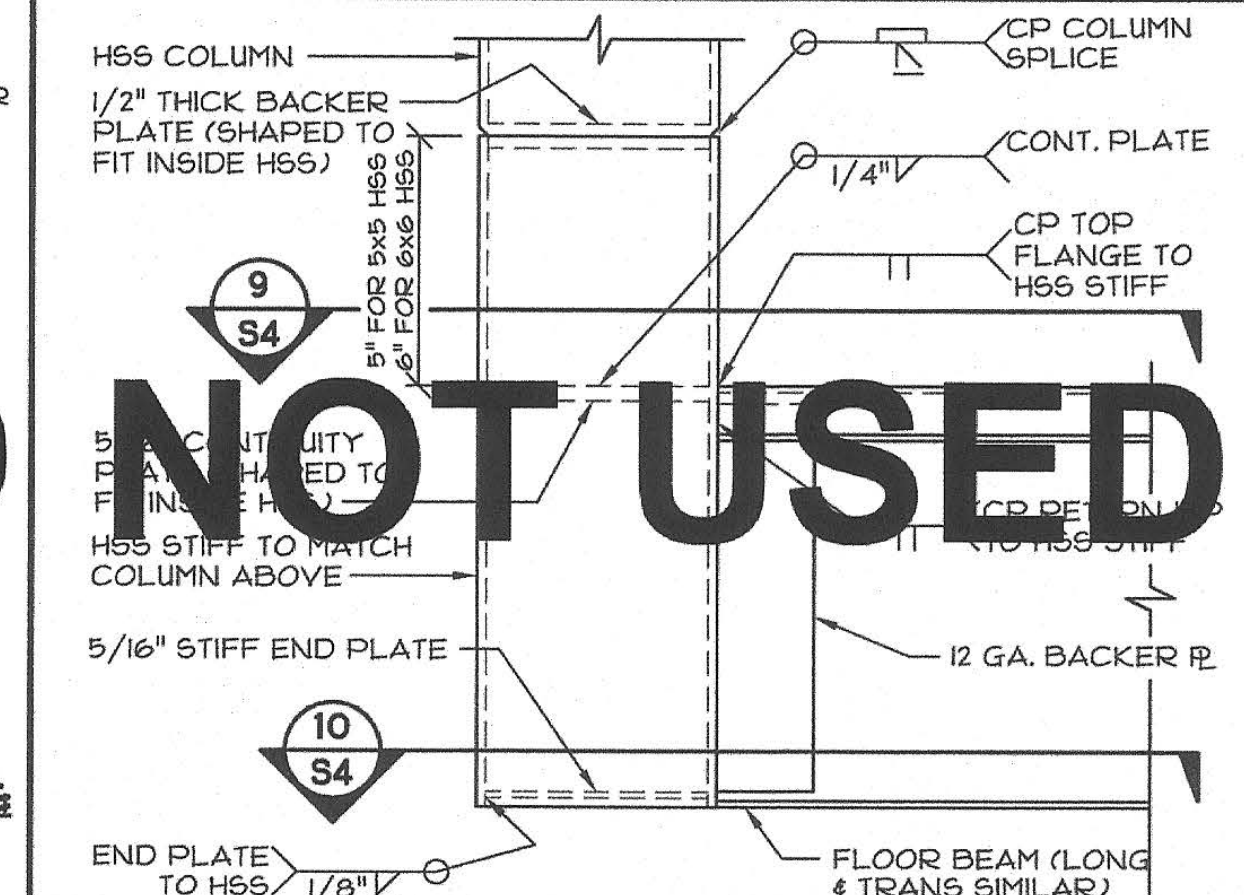
4 ROOF BEAM @ CORNER
SCALE: 3/4"=1'-0"



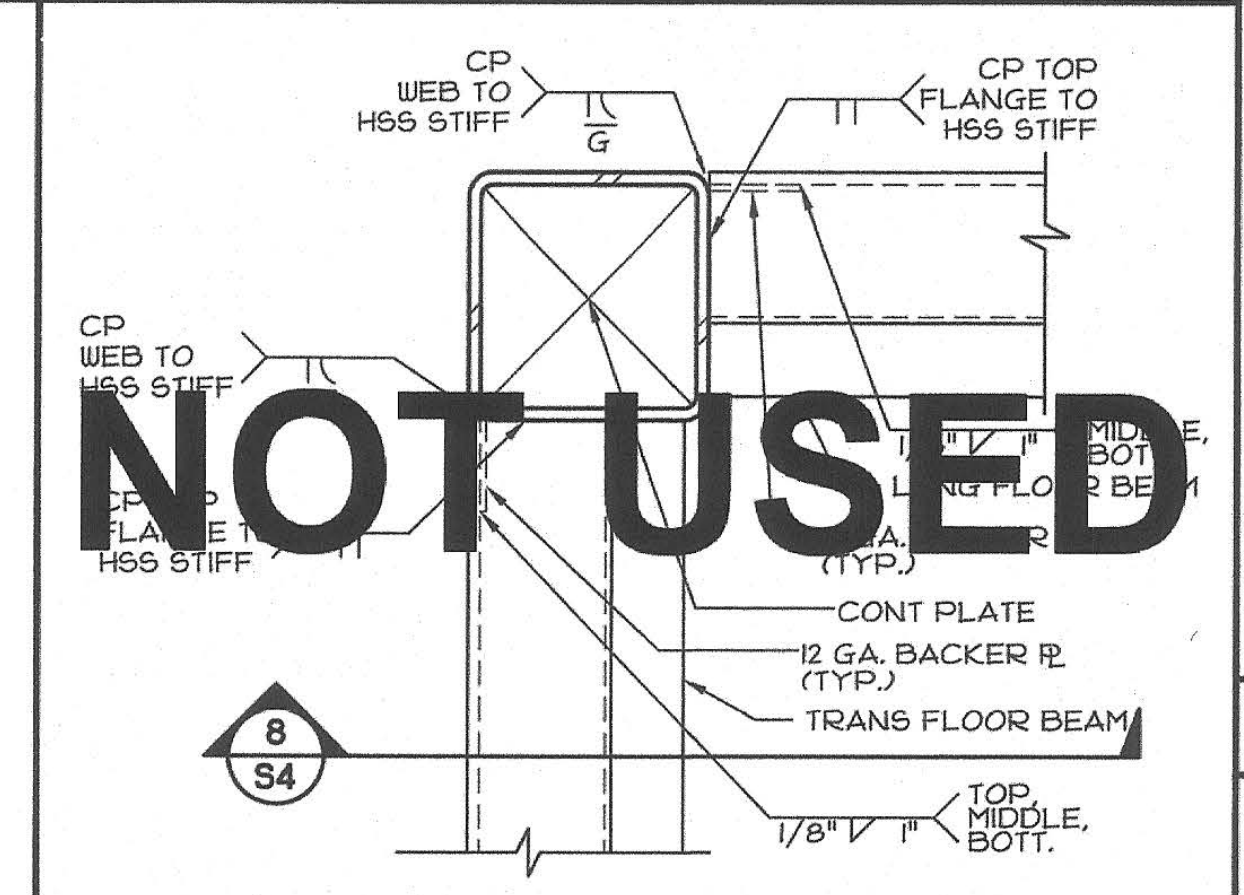
6 FLOOR BEAM @ JOIST CONNECTION
SCALE: 3/4"=1'-0"



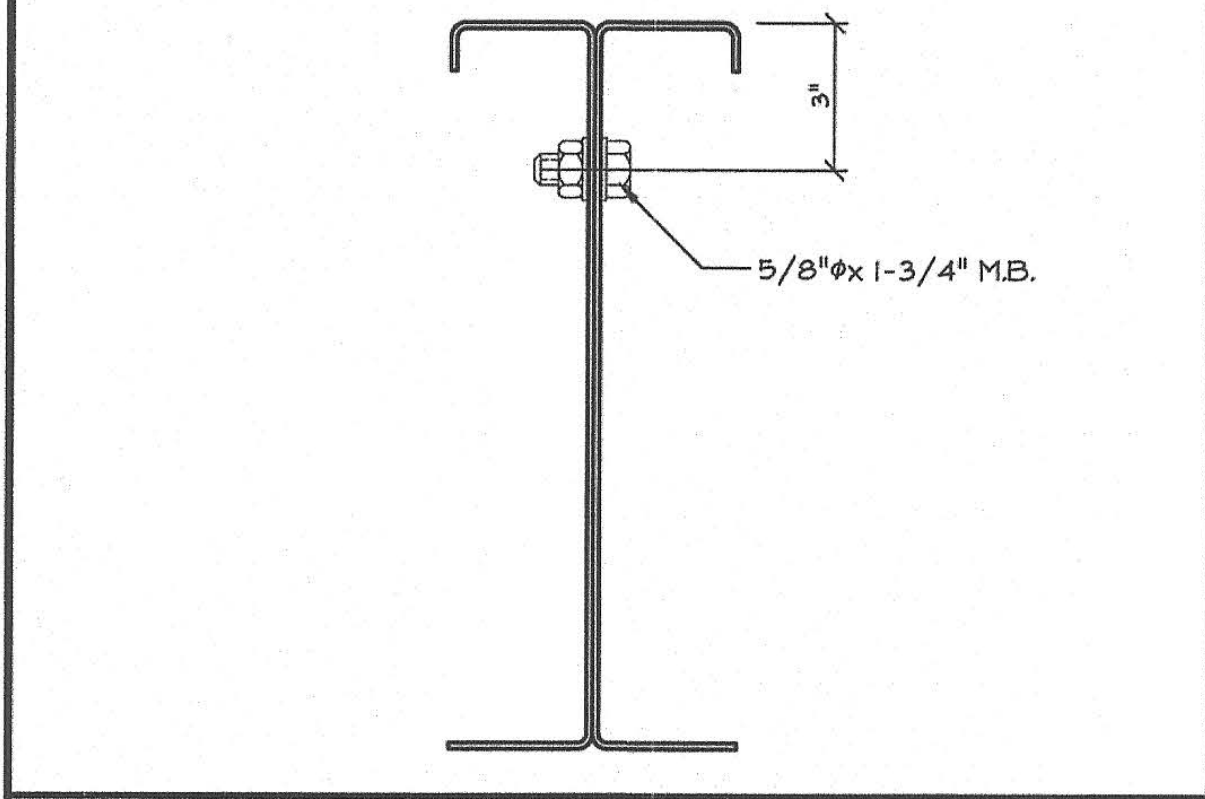
7 JOIST TO BEAM CONNECTION
SCALE: 3/4"=1'-0"



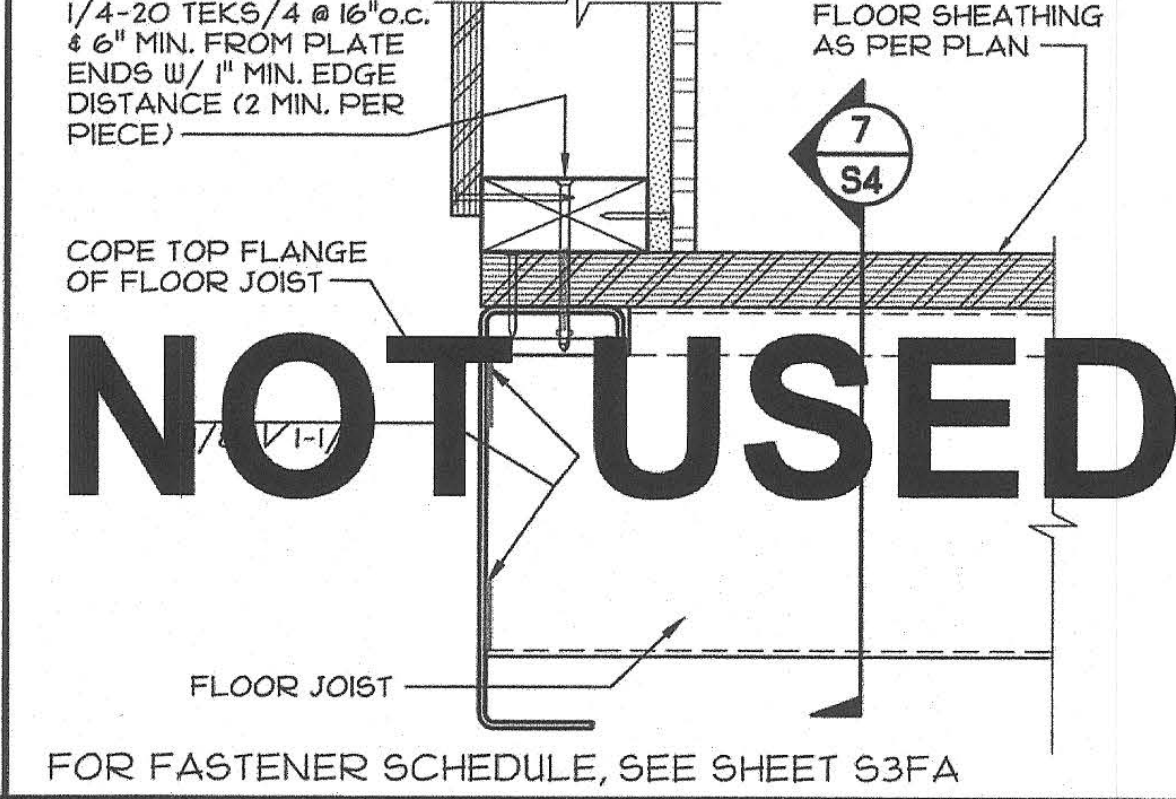
8 FLOOR BEAM @ CORNER - SECTION
SCALE: 3/4"=1'-0"



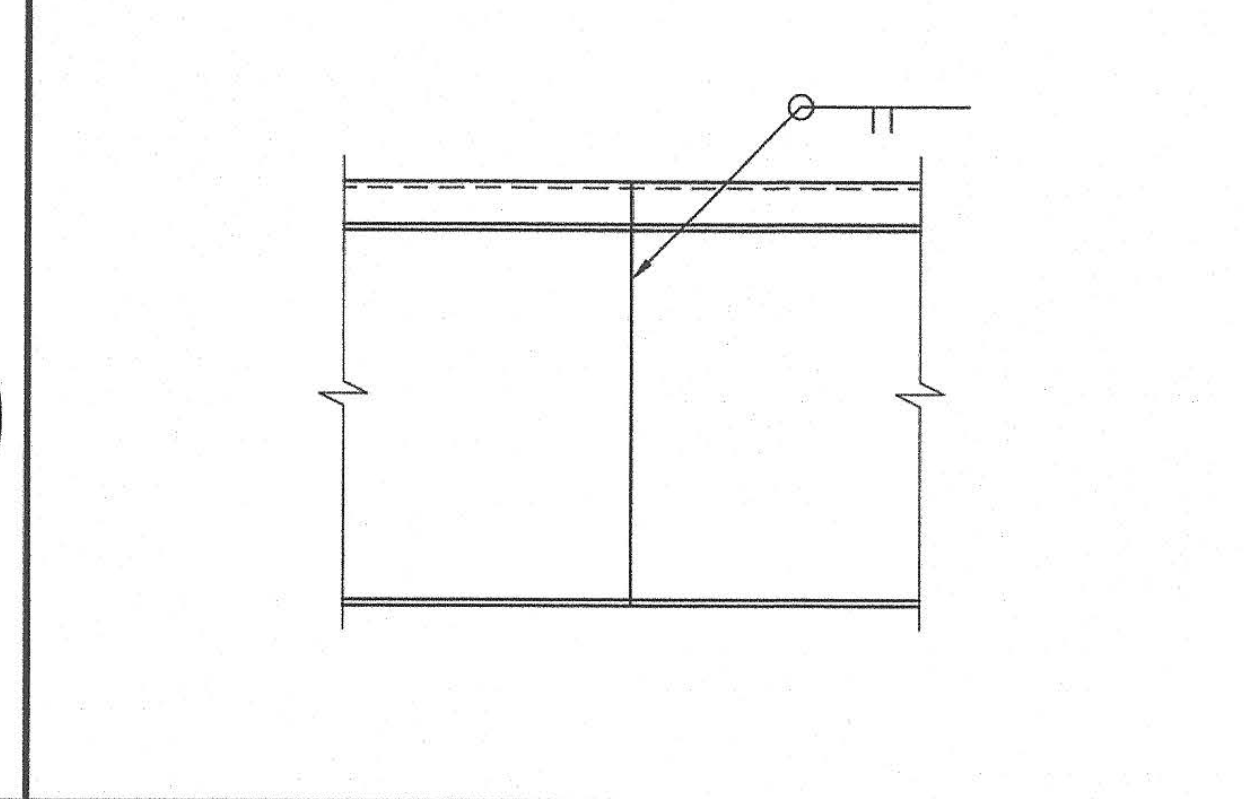
9 FLOOR BEAM TOP FLANGE
SCALE: 3/4"=1'-0"



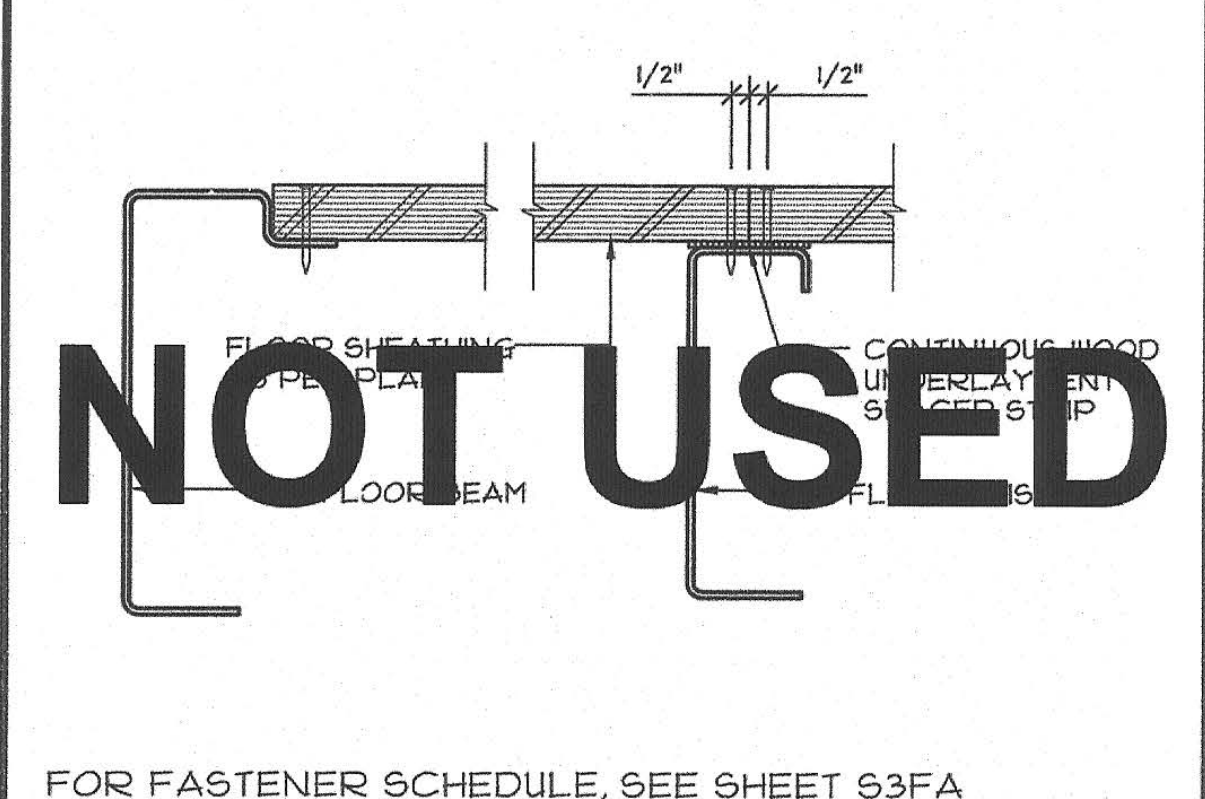
11 ROOF BEAM CONNECTION @ MOD LINE
SCALE: 3/4"=1'-0"



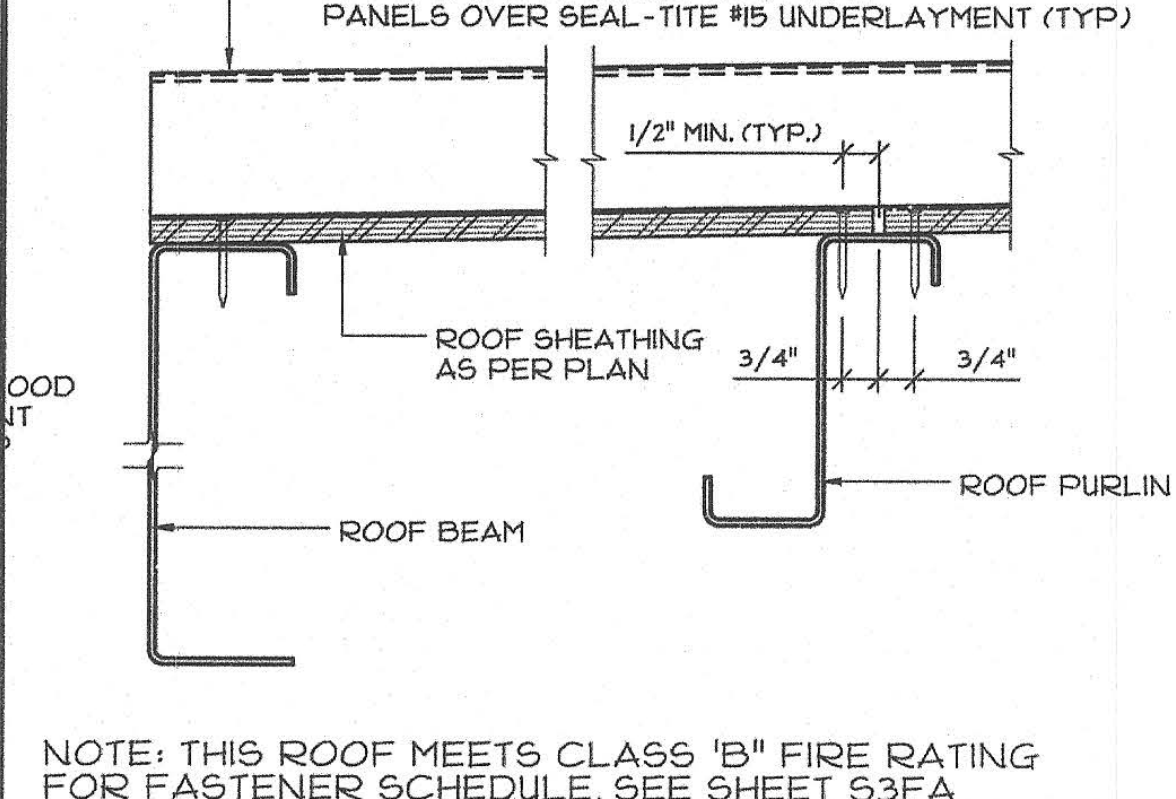
19 ALT. FLOOR BEAM @ JOIST CONN.
SCALE: 3/4"=1'-0"



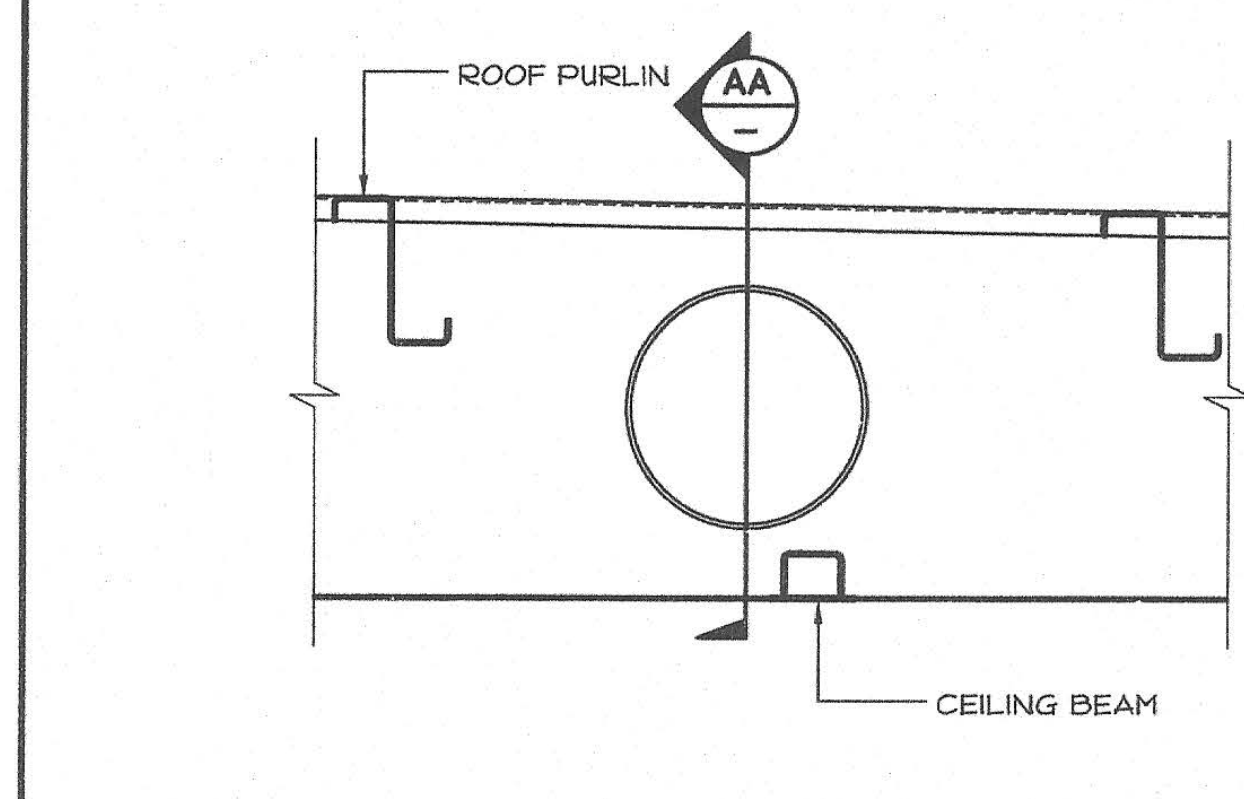
13 BEAM SPLICE DETAIL
SCALE: 3/4"=1'-0"



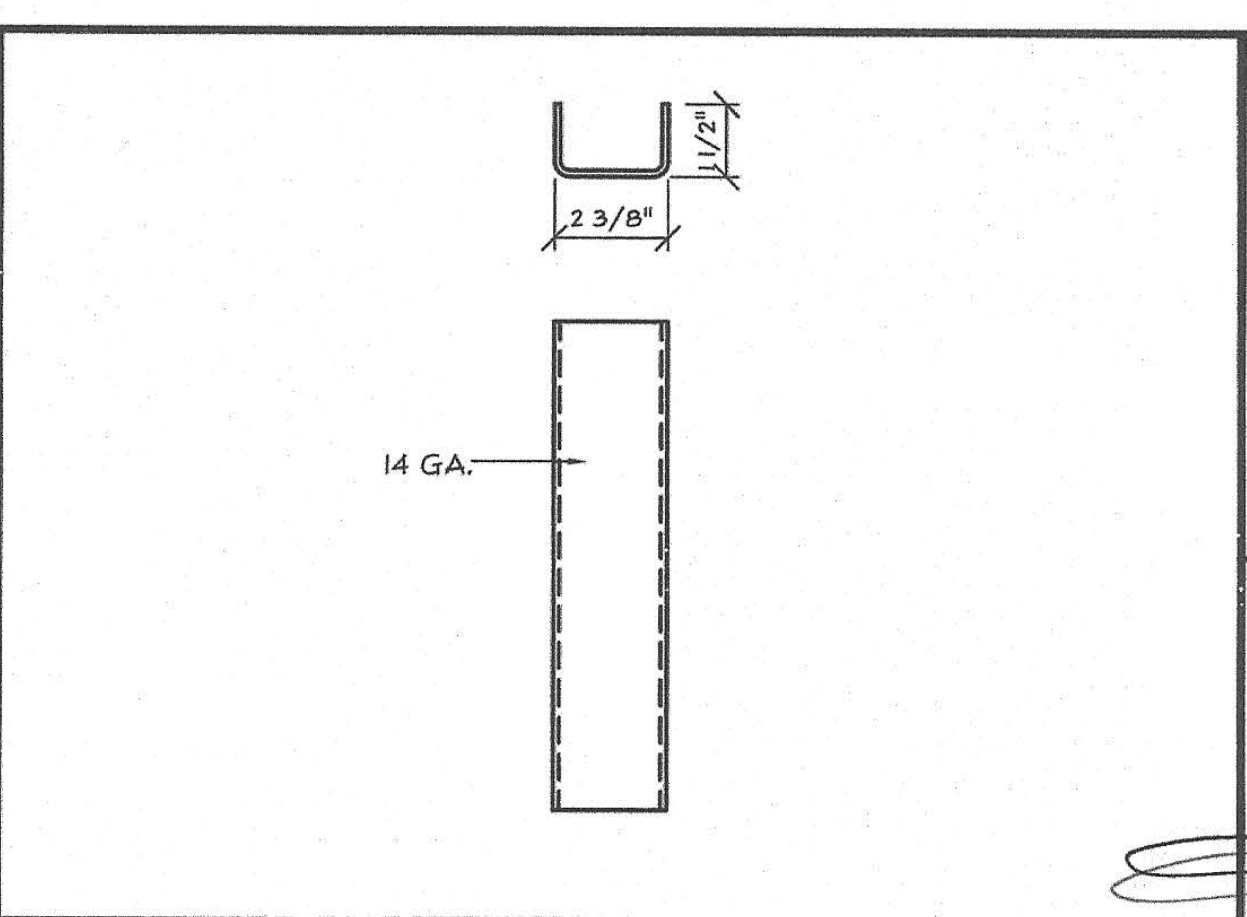
15 FLOOR SHEATHING ATTACHMENT
SCALE: 3/4"=1'-0"



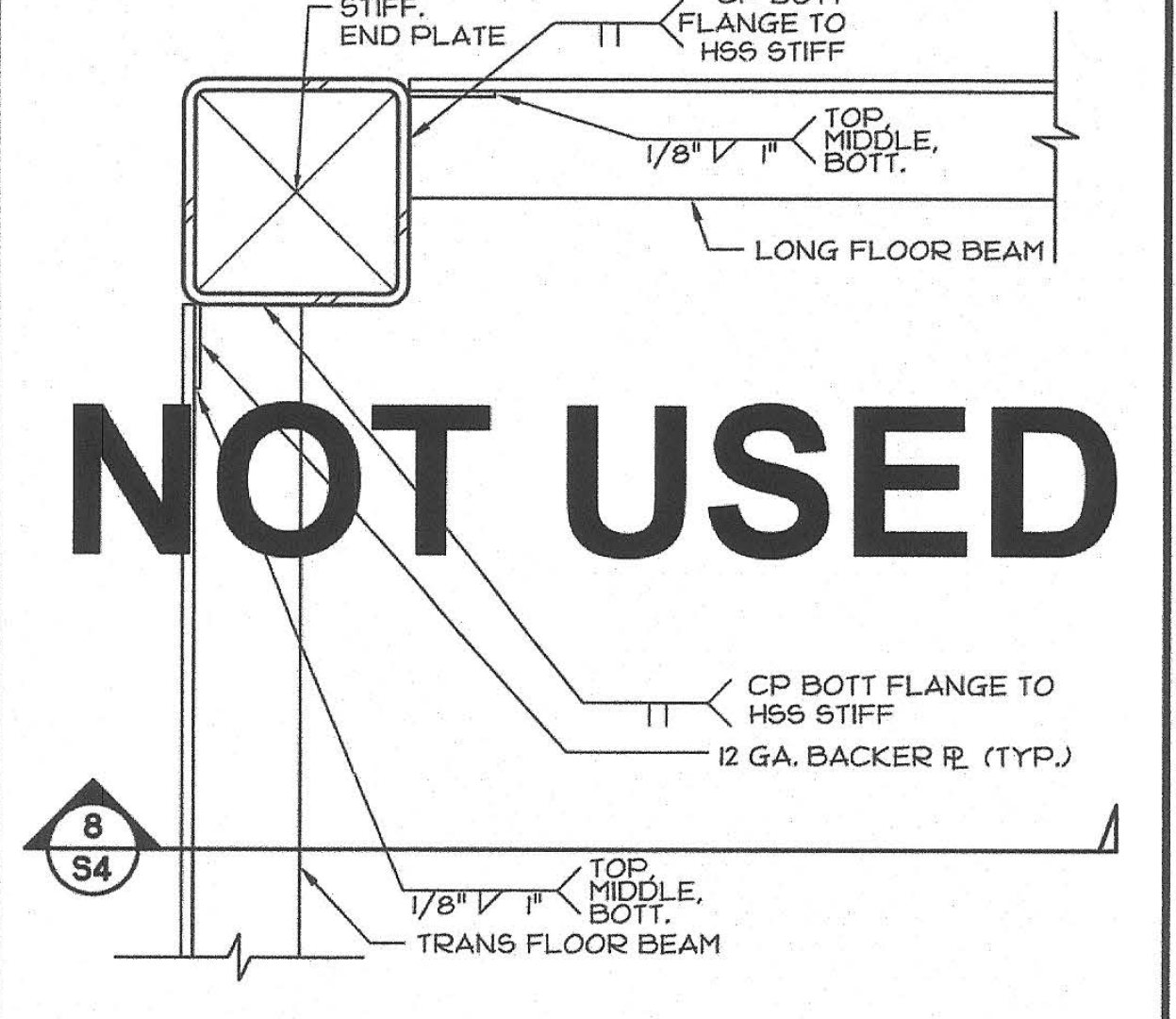
16 ROOF SHEATHING ATTACHMENT
SCALE: 3/4"=1'-0"



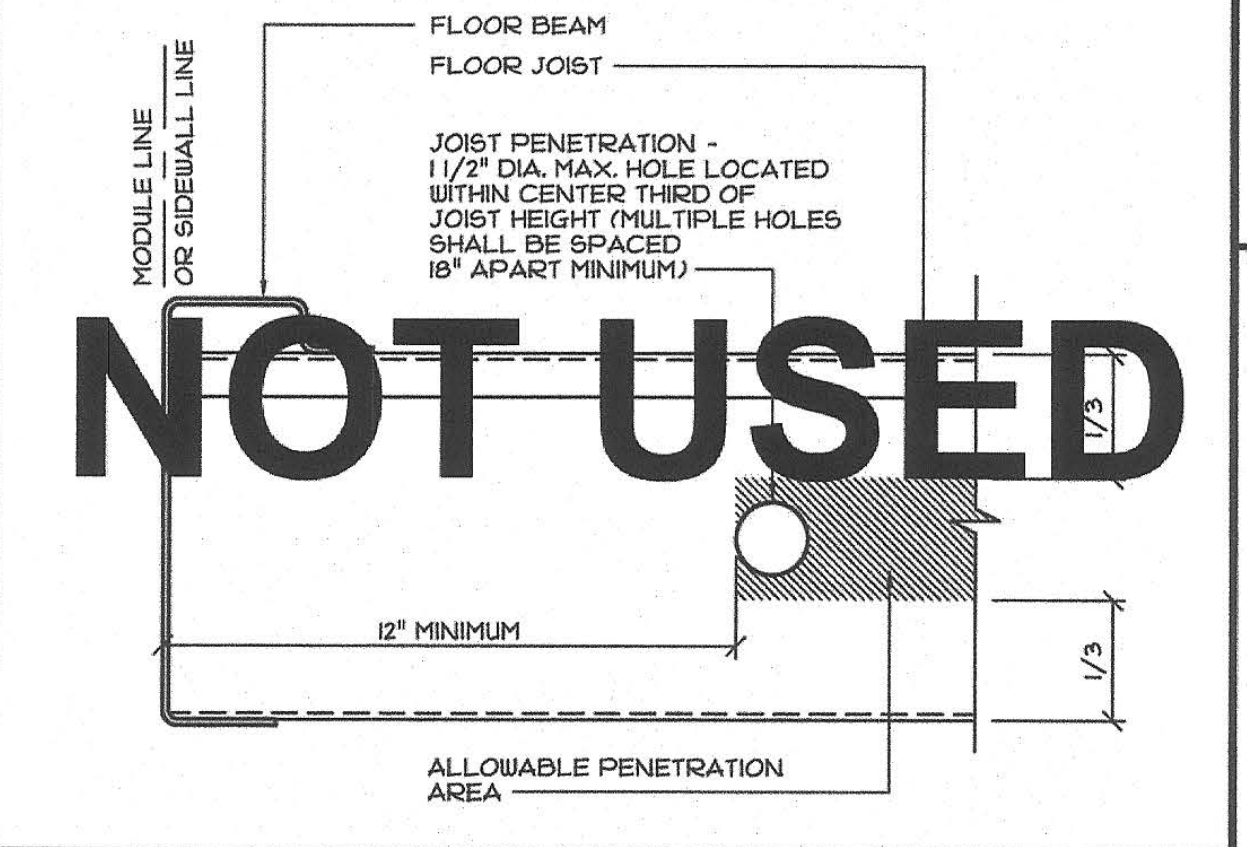
17 10" ROOF BEAM PENETRATION @ MOD-LINE
SCALE: 1-1/2"=1'-0"



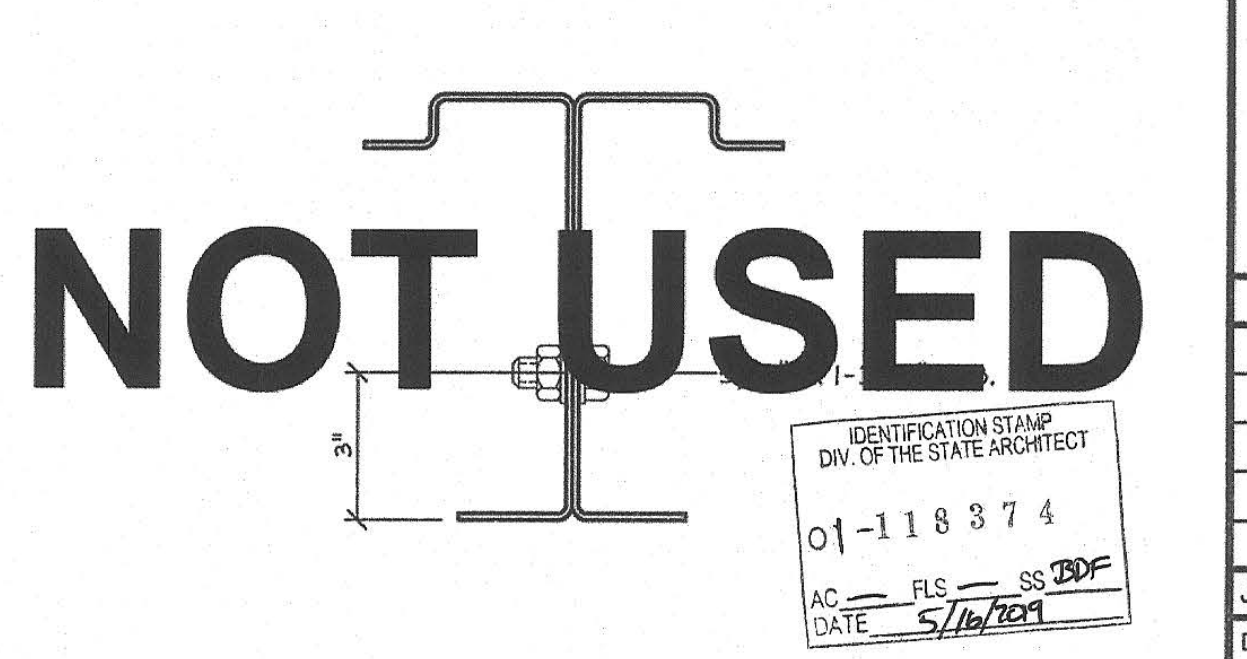
2.1 ROOF BEAM STIFF
SCALE: 3/4"=1'-0"



10 FLOOR BEAM BOTTOM FLANGE
SCALE: 3/4"=1'-0"



18 FLOOR JOIST PENETRATION
SCALE: 3/4"=1'-0"



12 FLR BEAM CONNECTION @ MOD LINE
SCALE: 3/4"=1'-0"

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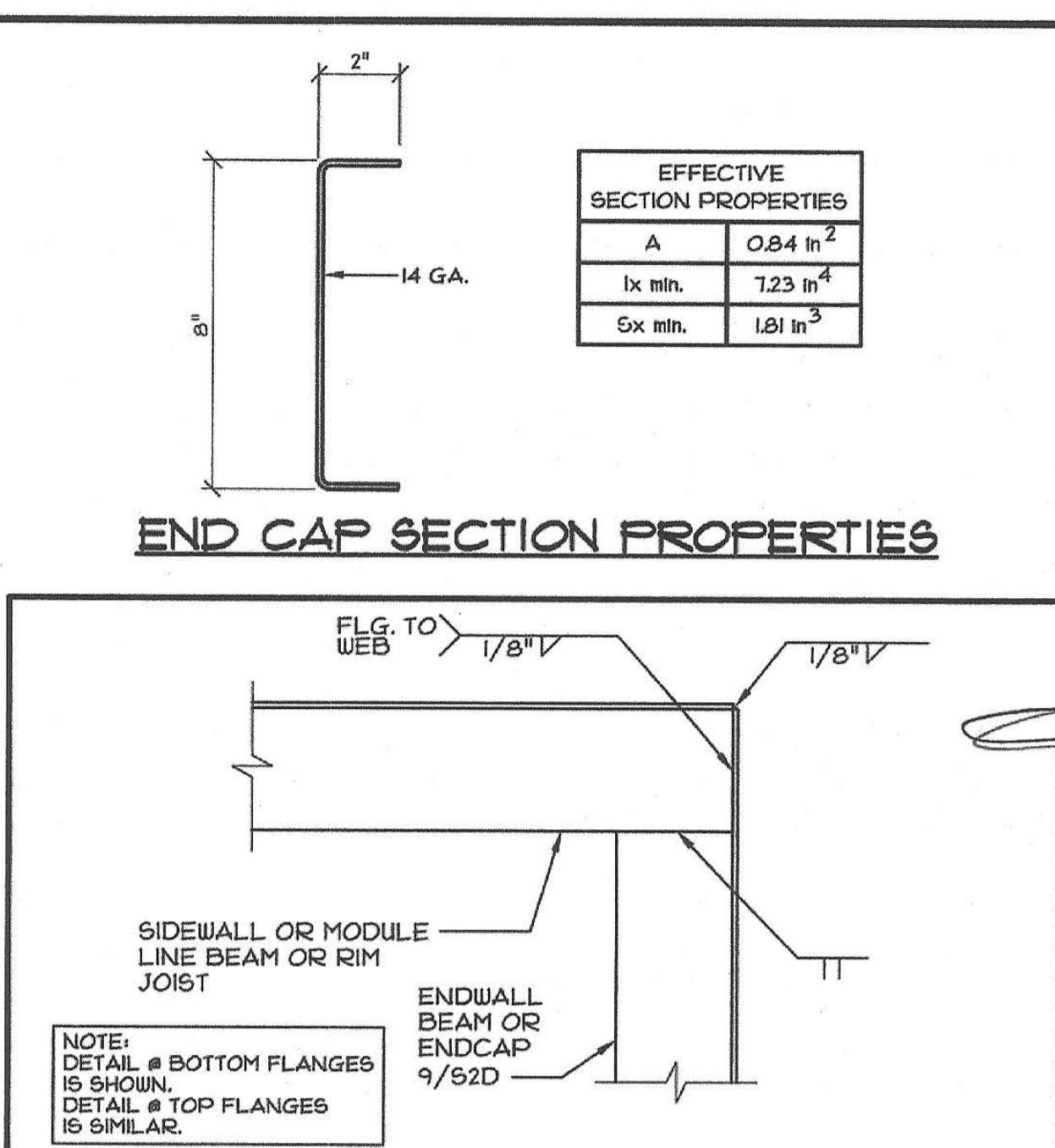
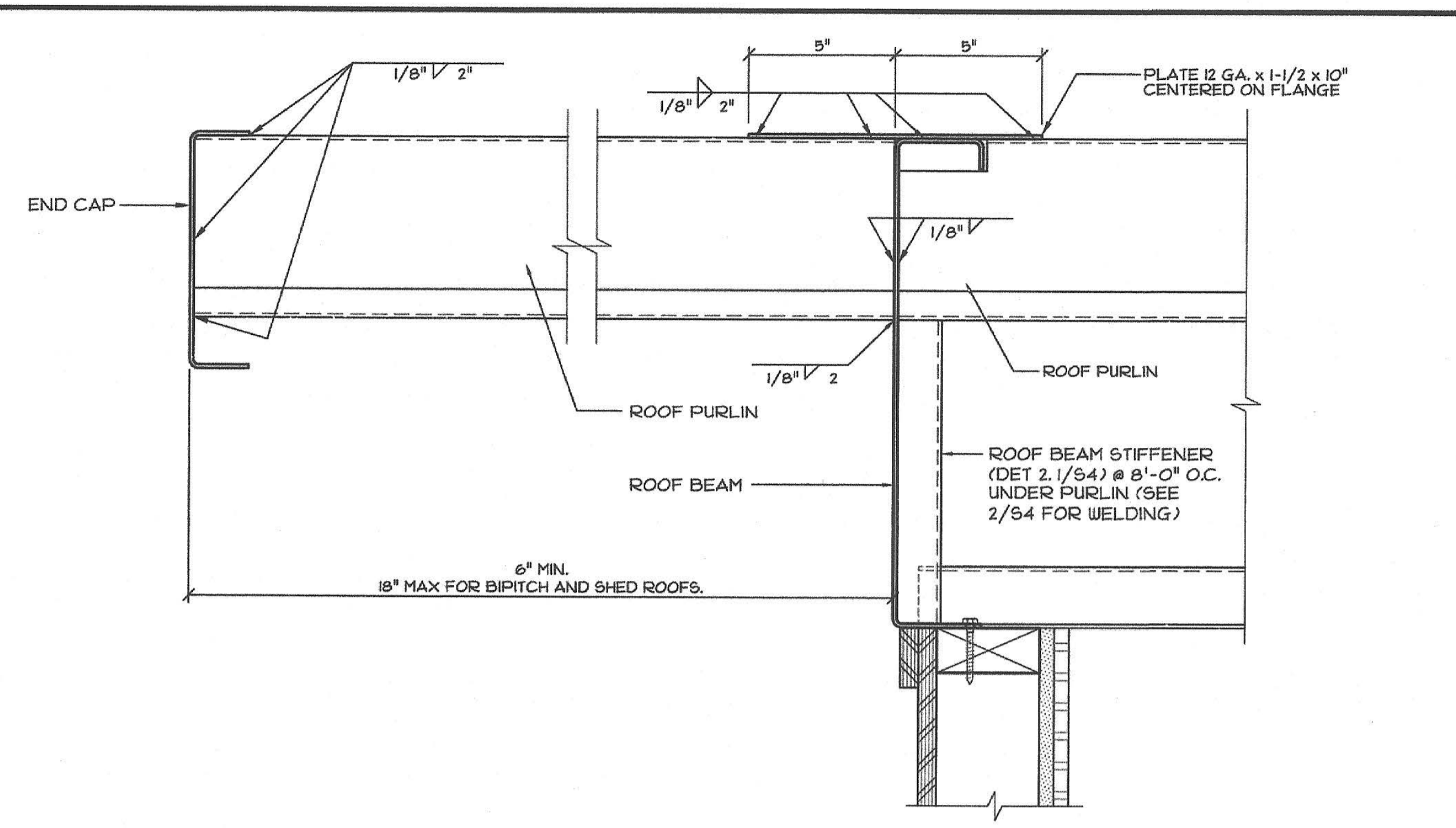
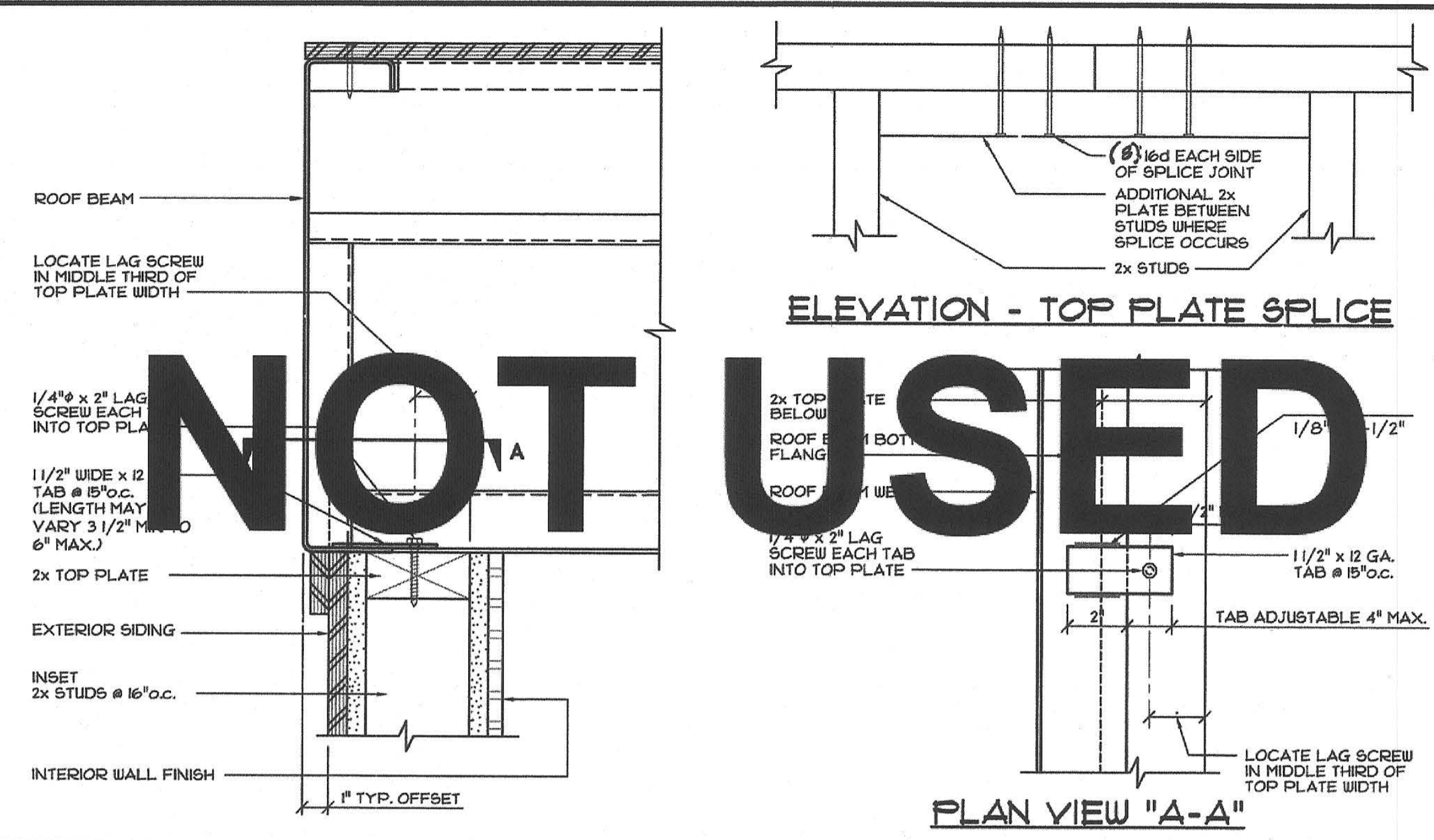
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S4

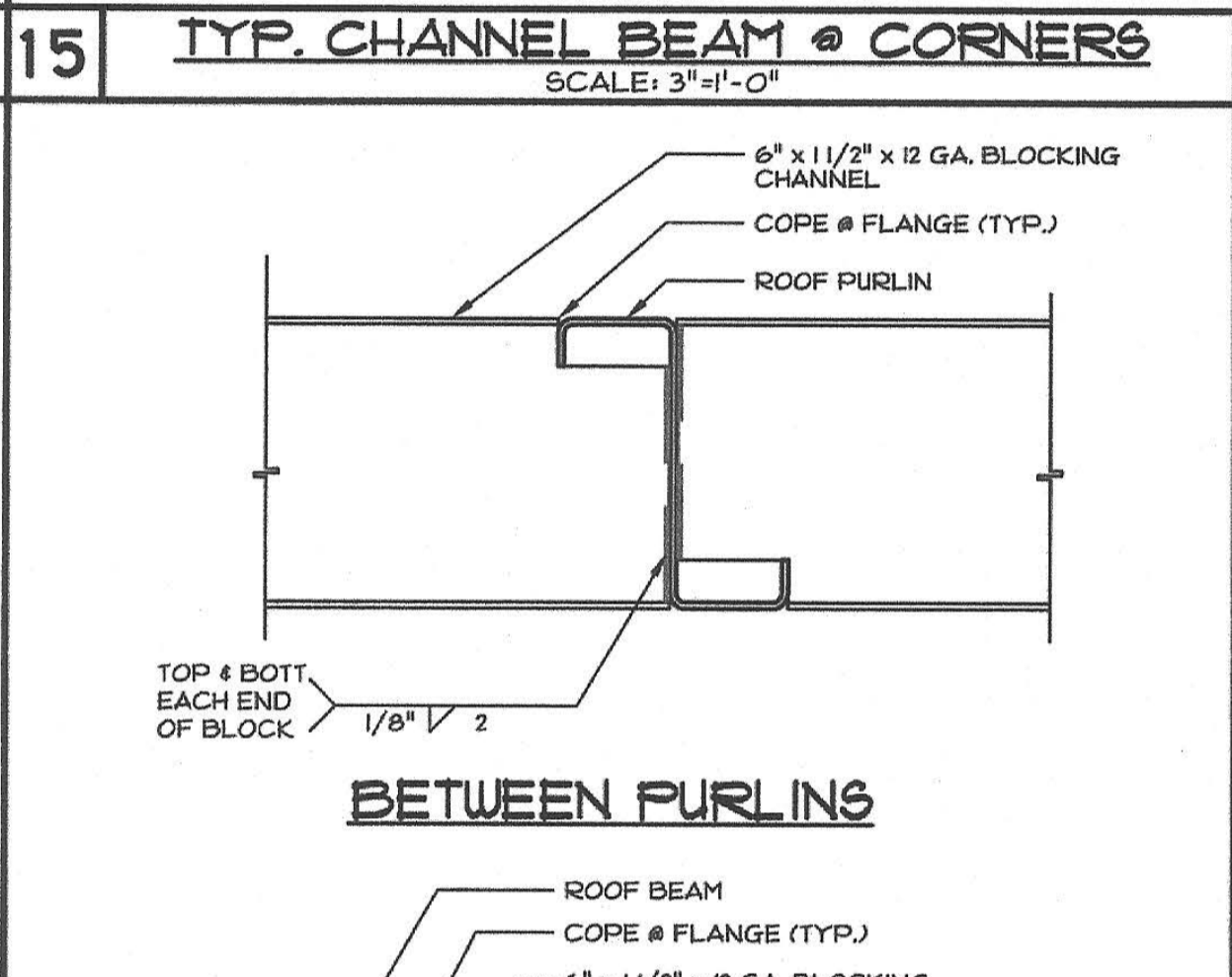
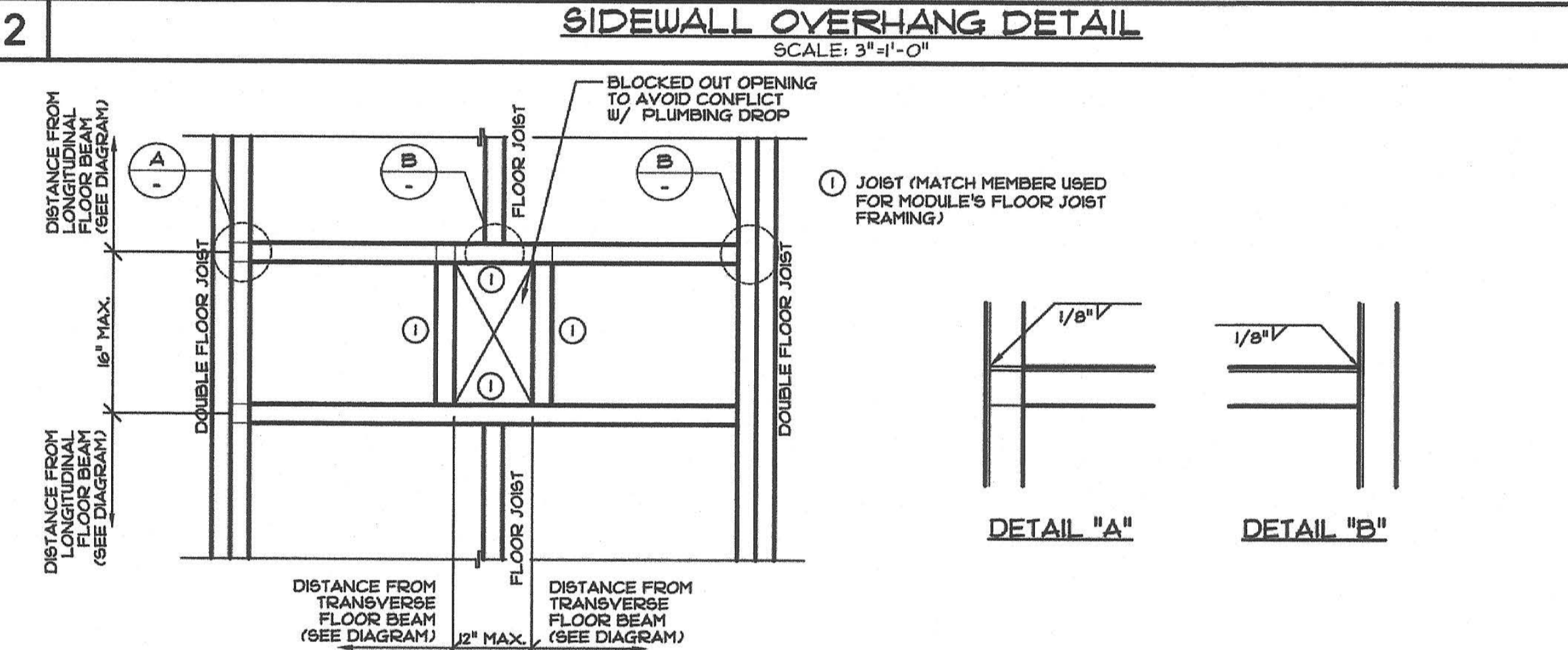
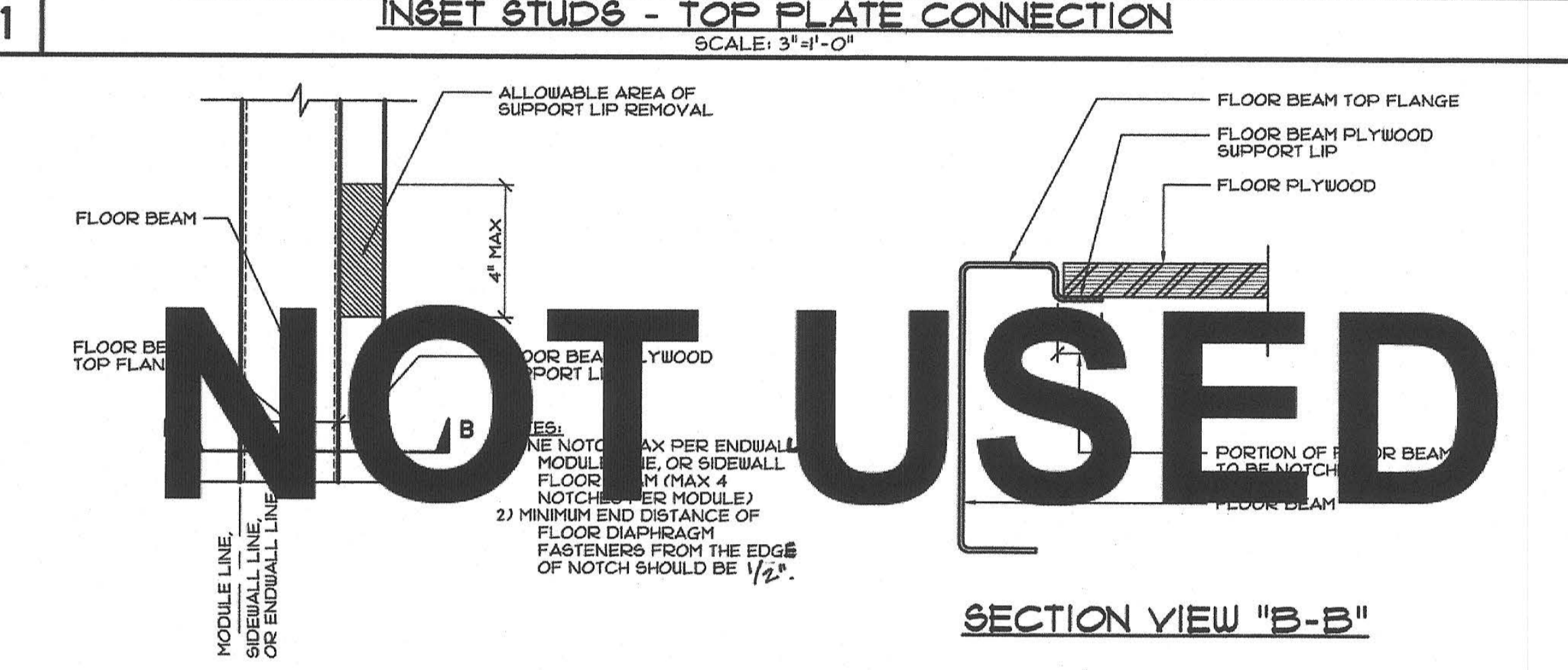
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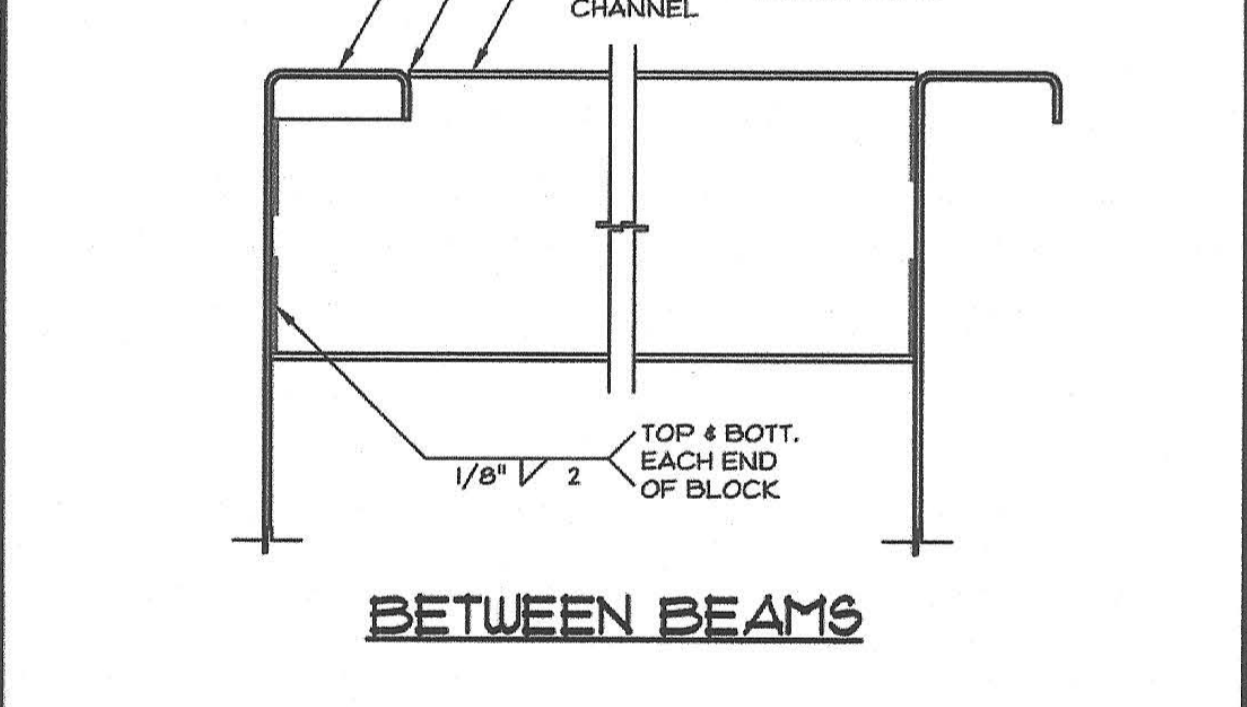
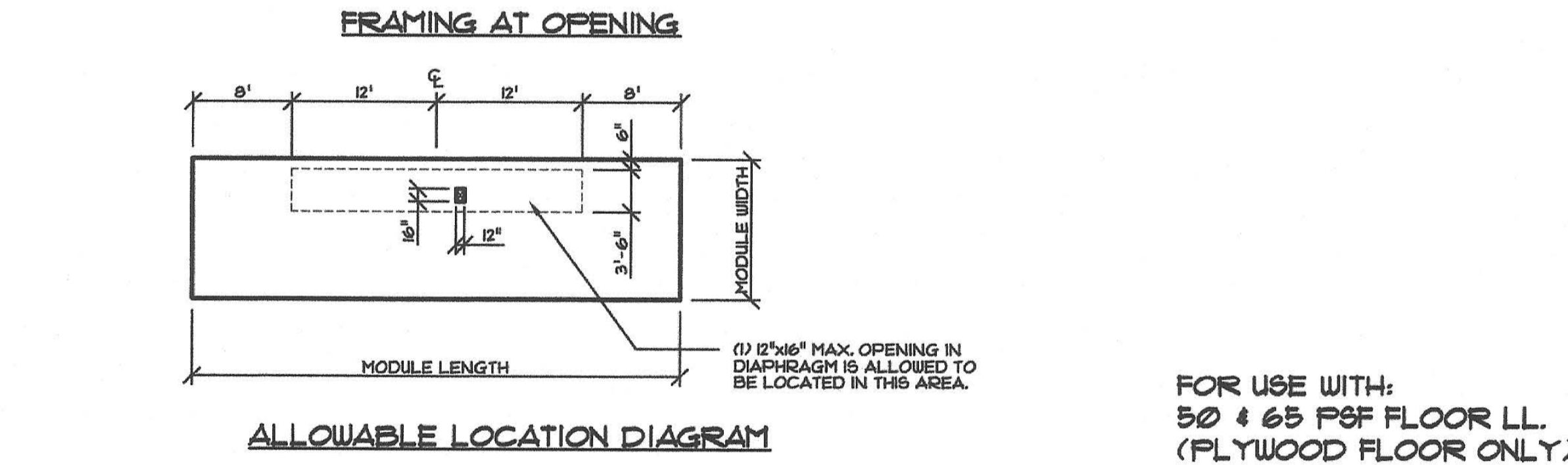
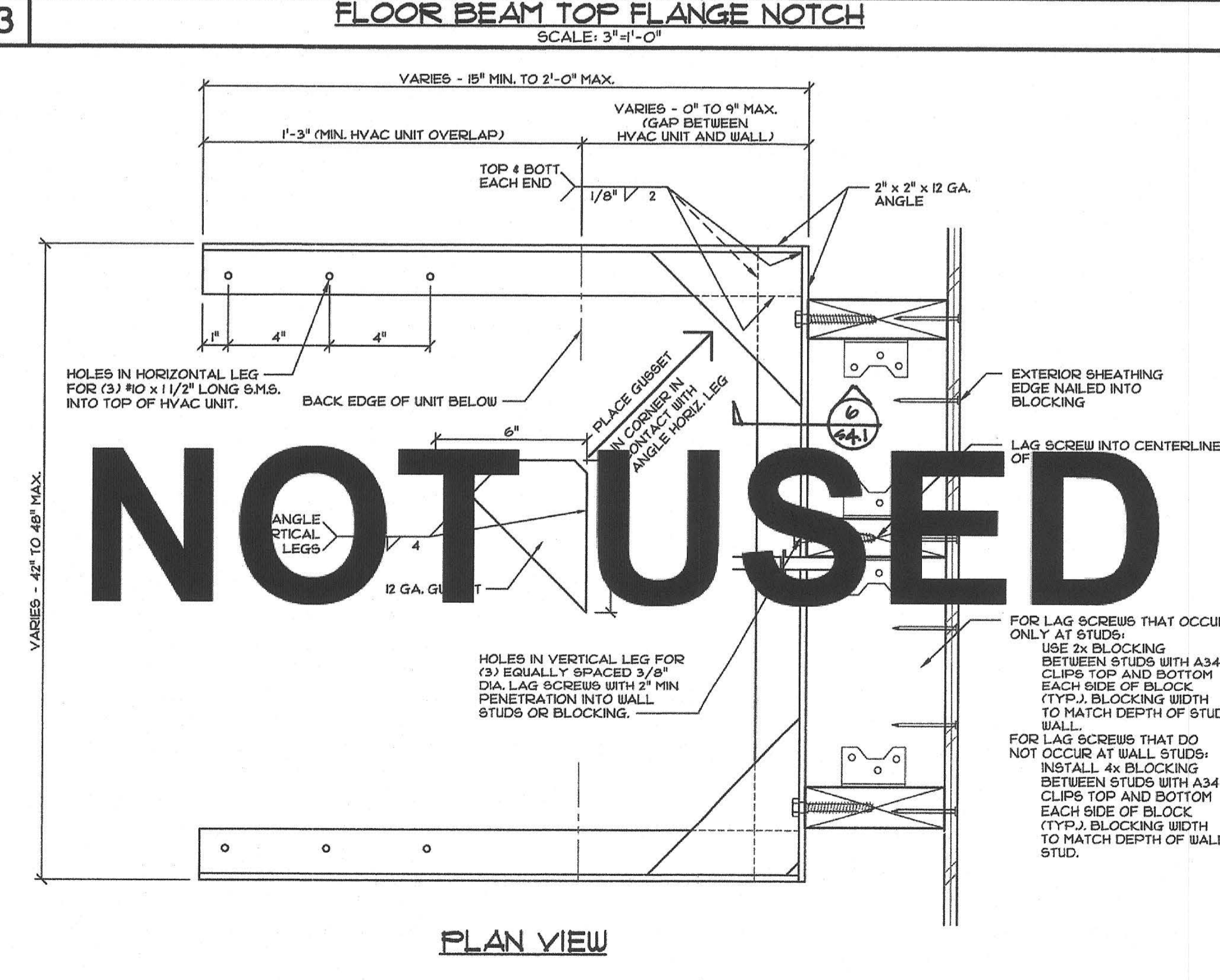
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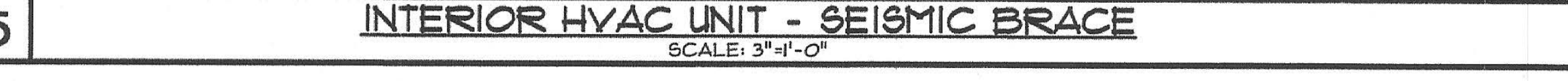
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OPTIONAL STRUCTURAL DETAILS



11 TYP. CHANNEL BLOCK INSTALLATION
SCALE: 3/8"=1'-0"

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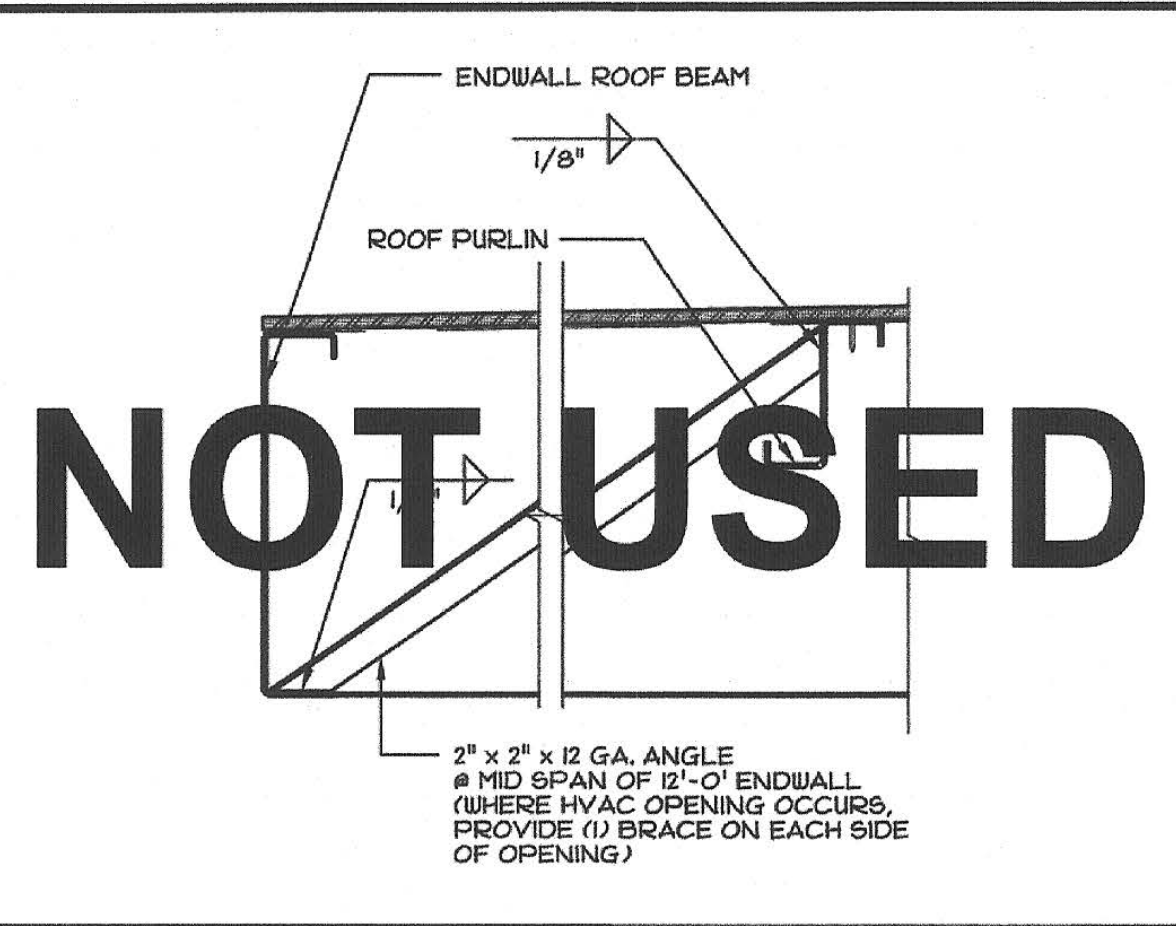
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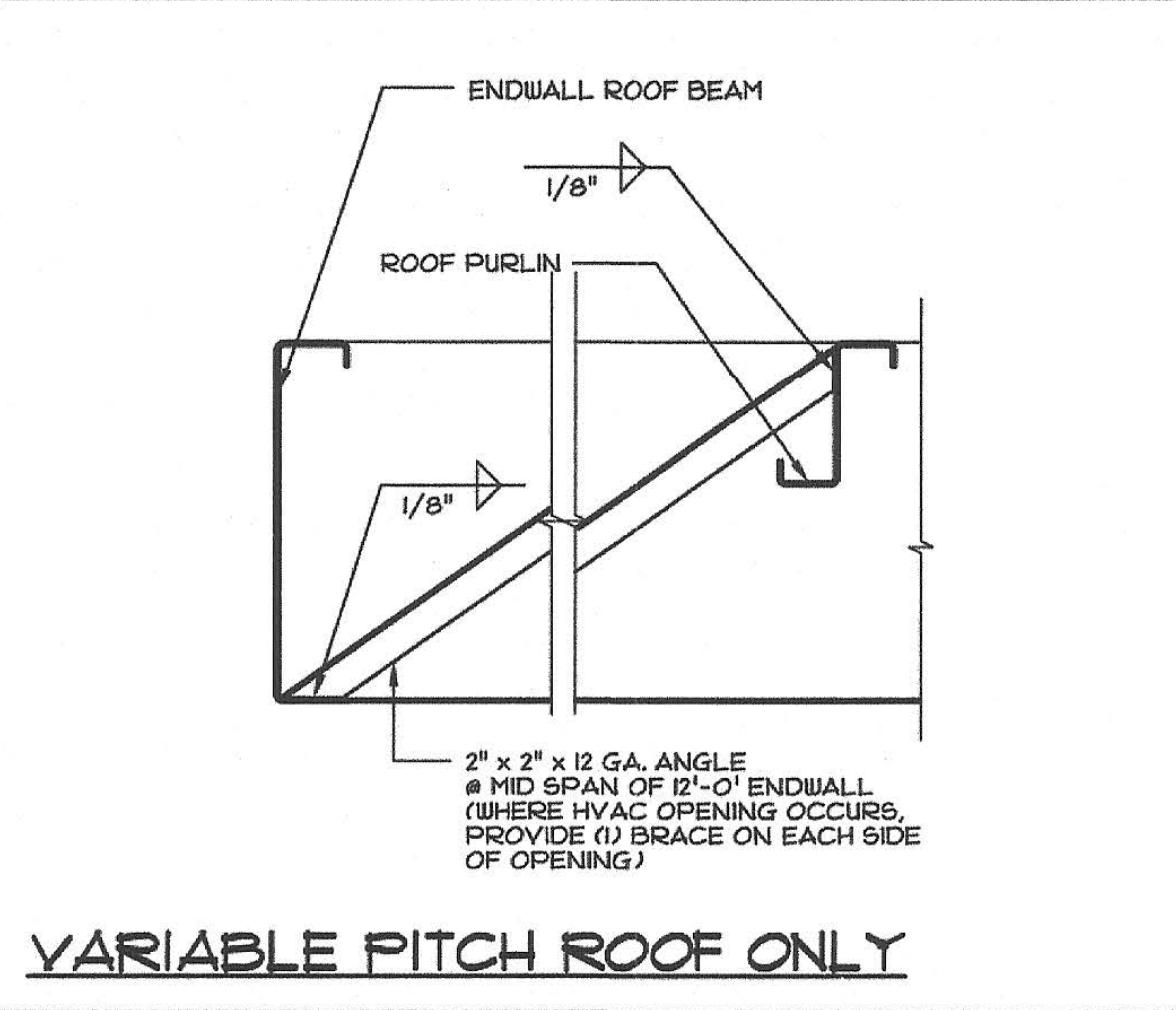
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S4.1

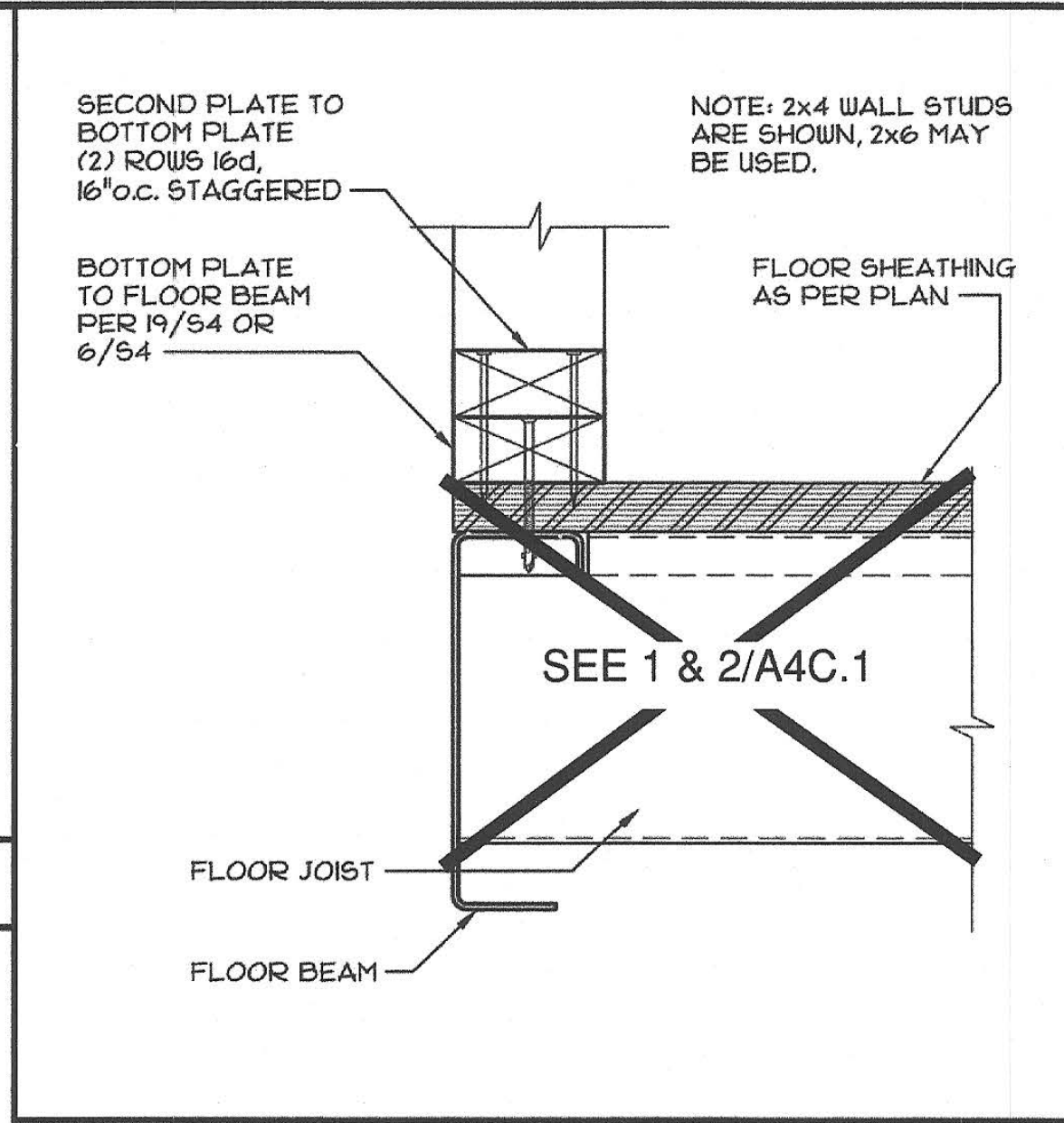
24x40 TO 120x40 P.C.



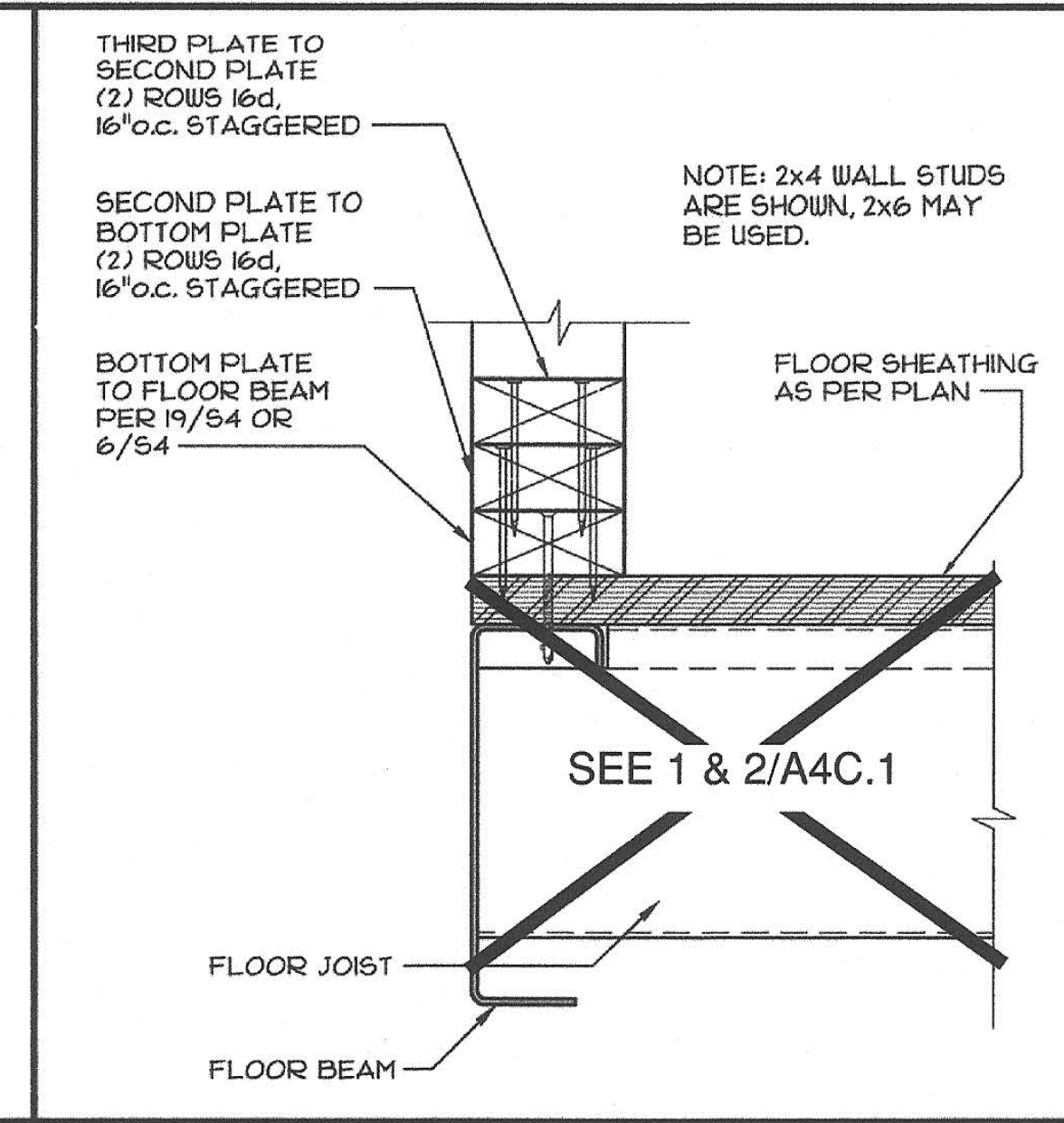
1 ENDWALL DIAGONAL BRACE
SCALE: 1 1/2" = 1'-0"



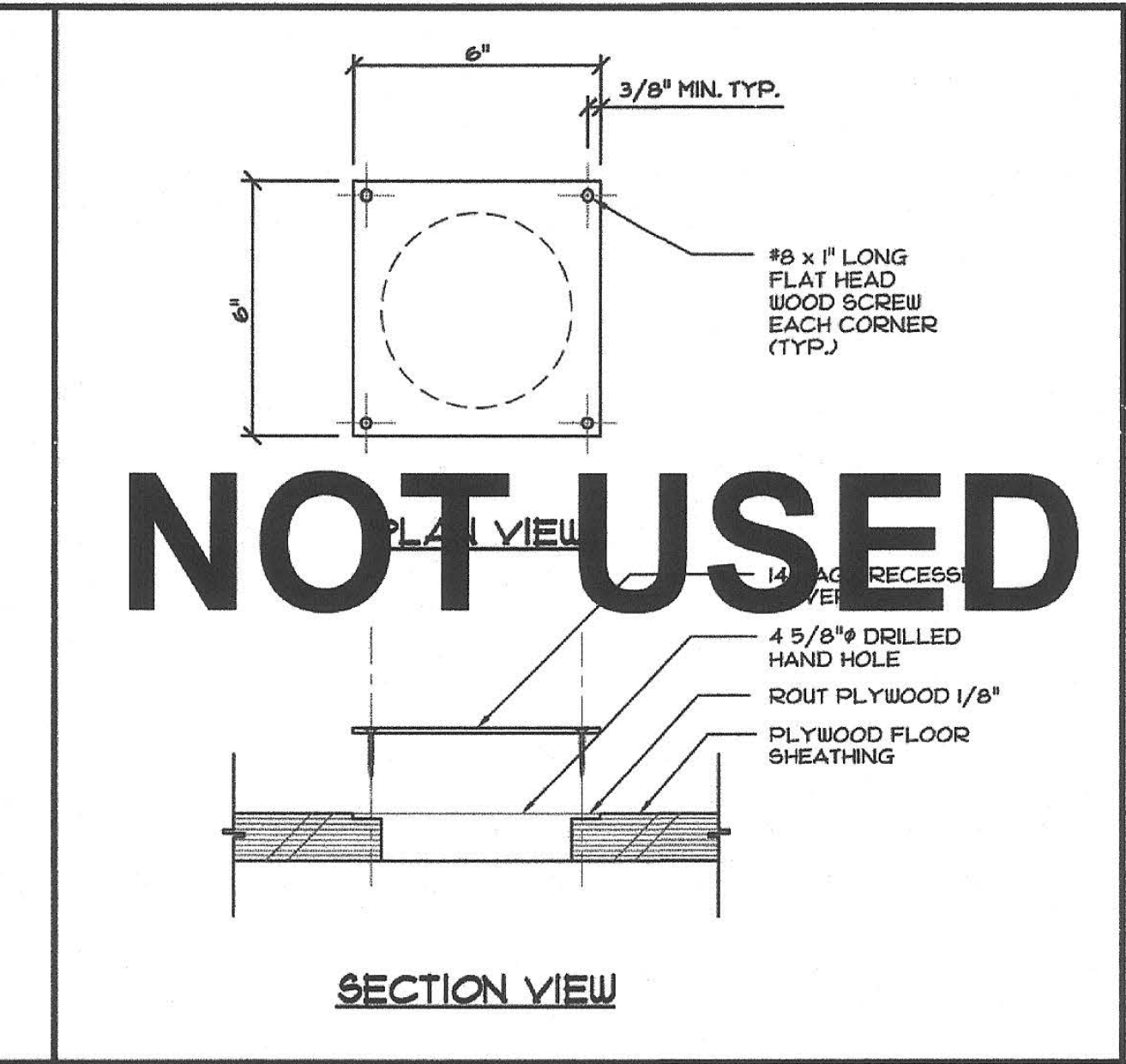
6 ENDWALL DIAGONAL BRACE
SCALE: 1 1/2" = 1'-0"



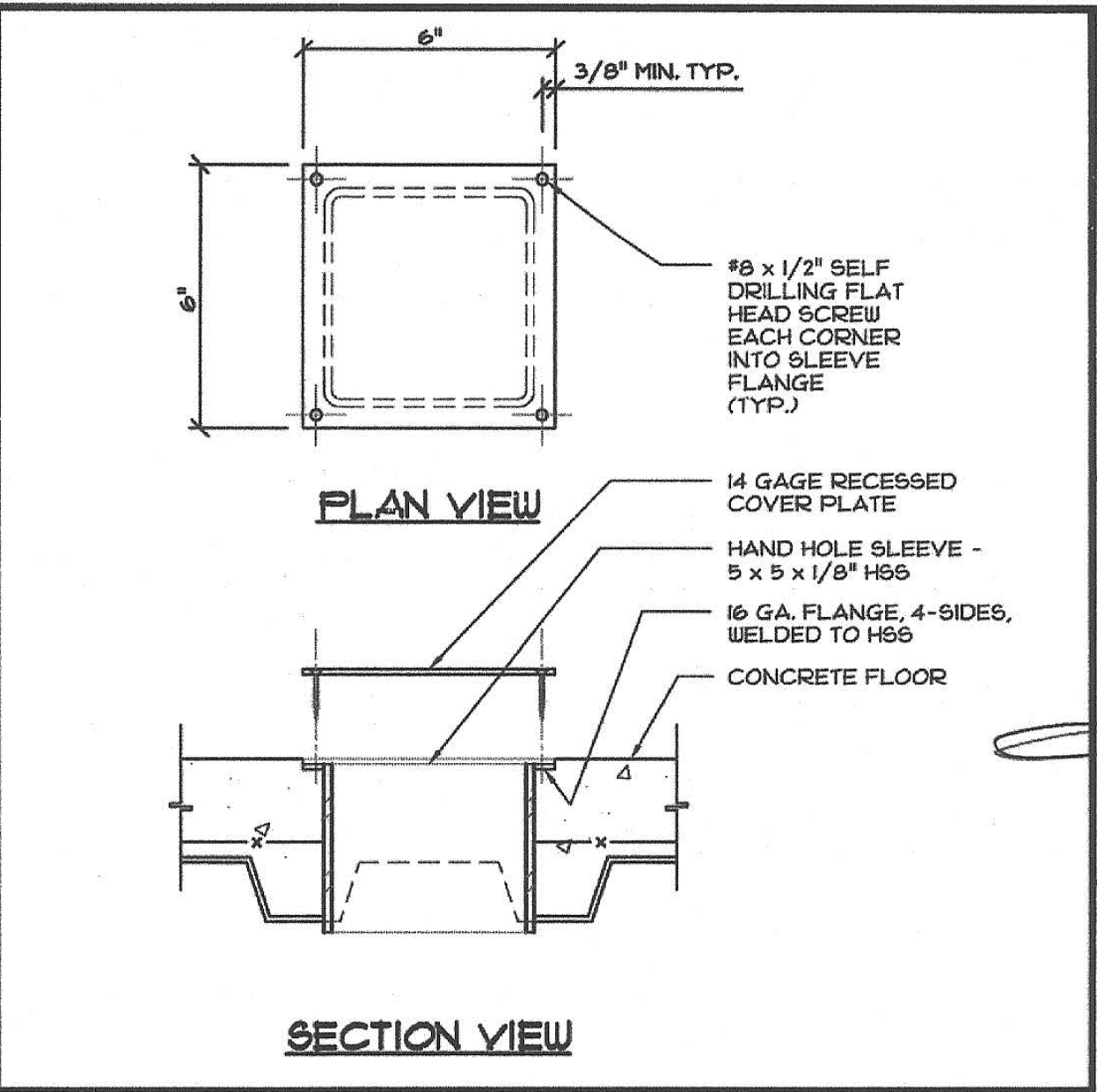
2 DOUBLE BOTTOM PLATE OPTION
SCALE: 3" = 1'-0"



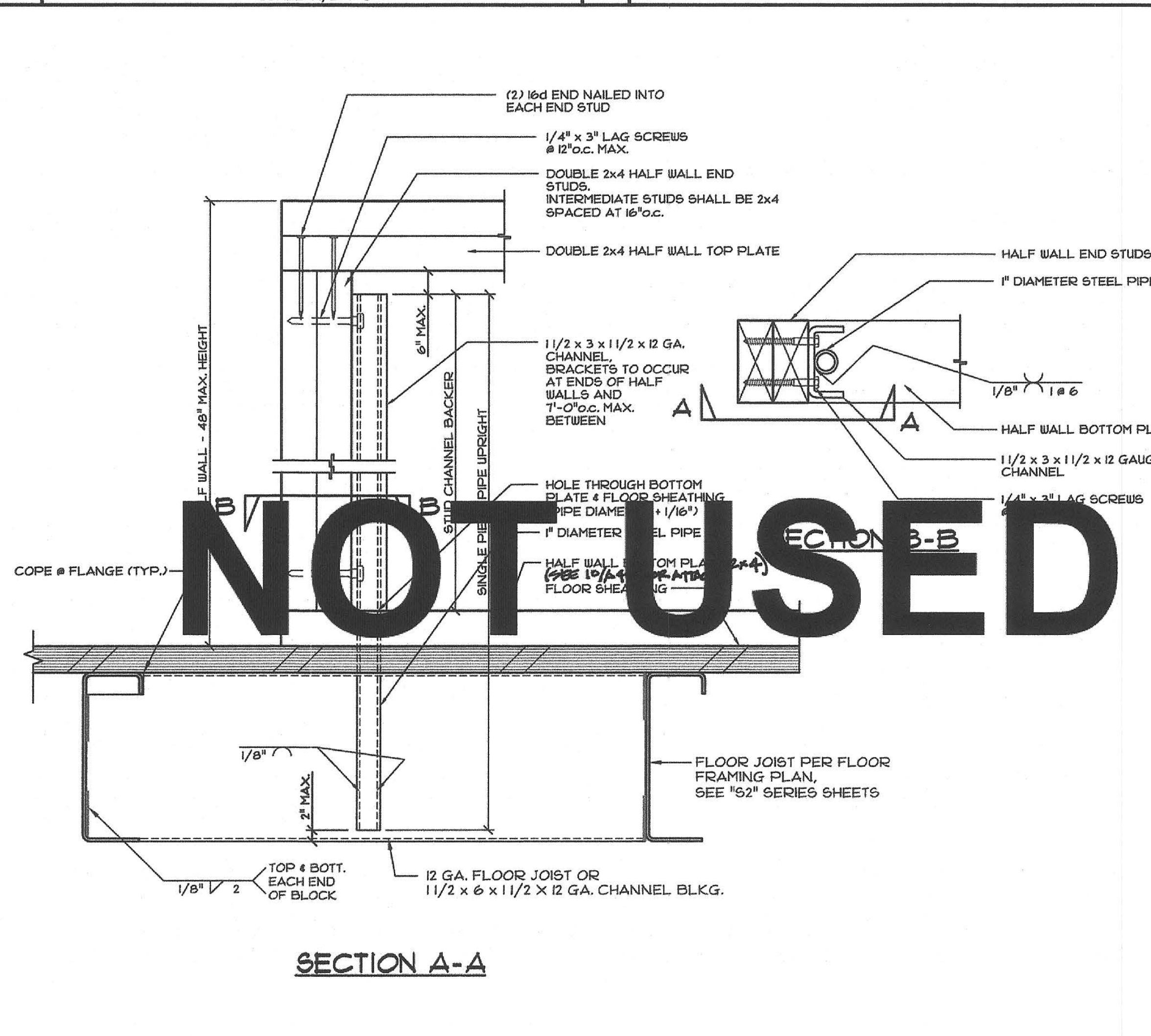
3 TRIPLE BOTTOM PLATE OPTION
SCALE: 3" = 1'-0"



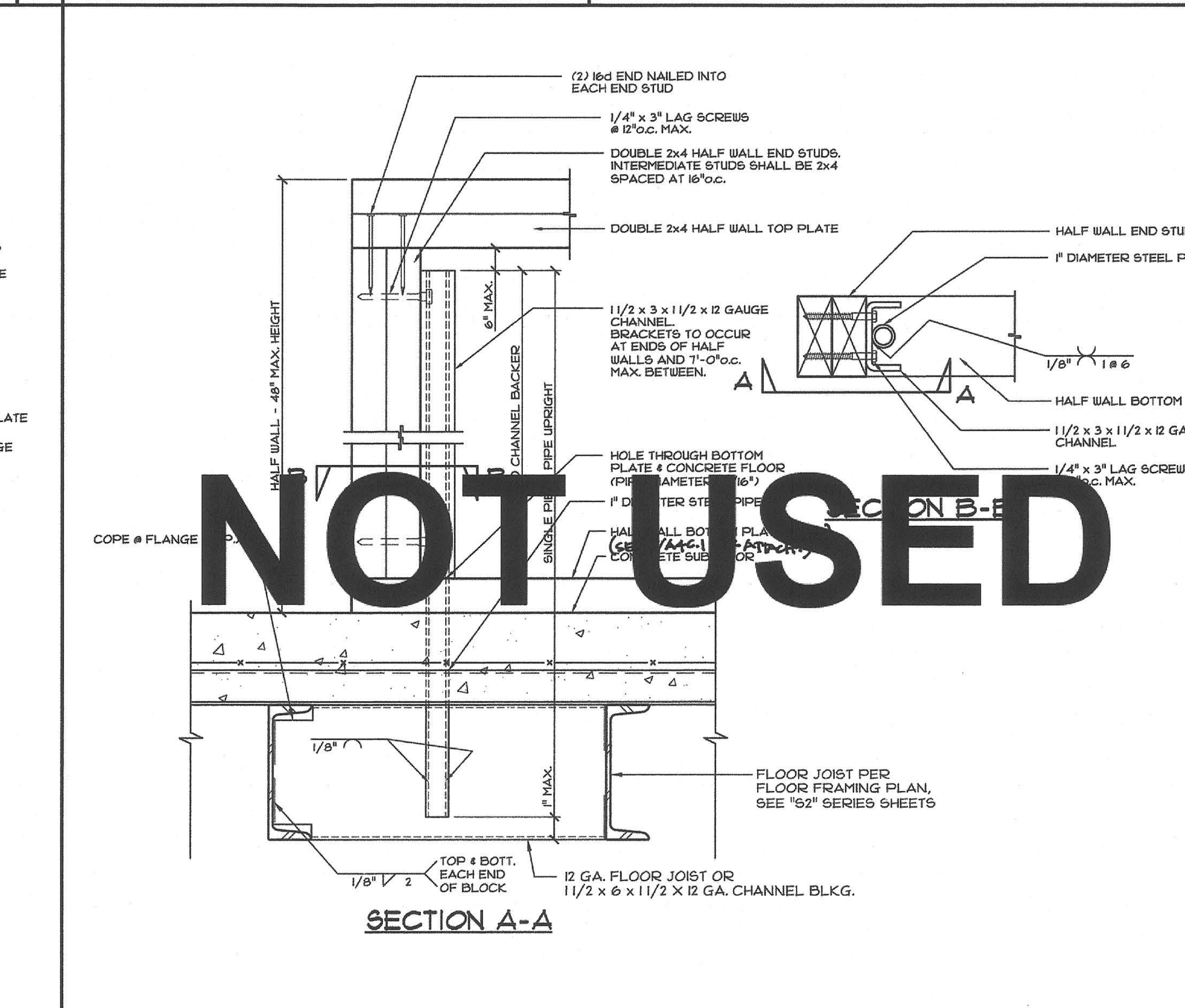
4 HAND ACCESS HOLE - PLYWOOD
SCALE: 3" = 1'-0"



5 HAND ACCESS HOLE - CONCRETE
SCALE: 3" = 1'-0"



11 HALF WALL STABILIZER BRACKET - PLYWOOD FLOORS
SCALE: 3" = 1'-0"



11.1 HALF WALL STABILIZER BRACKET - CONCRETE FLOORS
SCALE: 3" = 1'-0"

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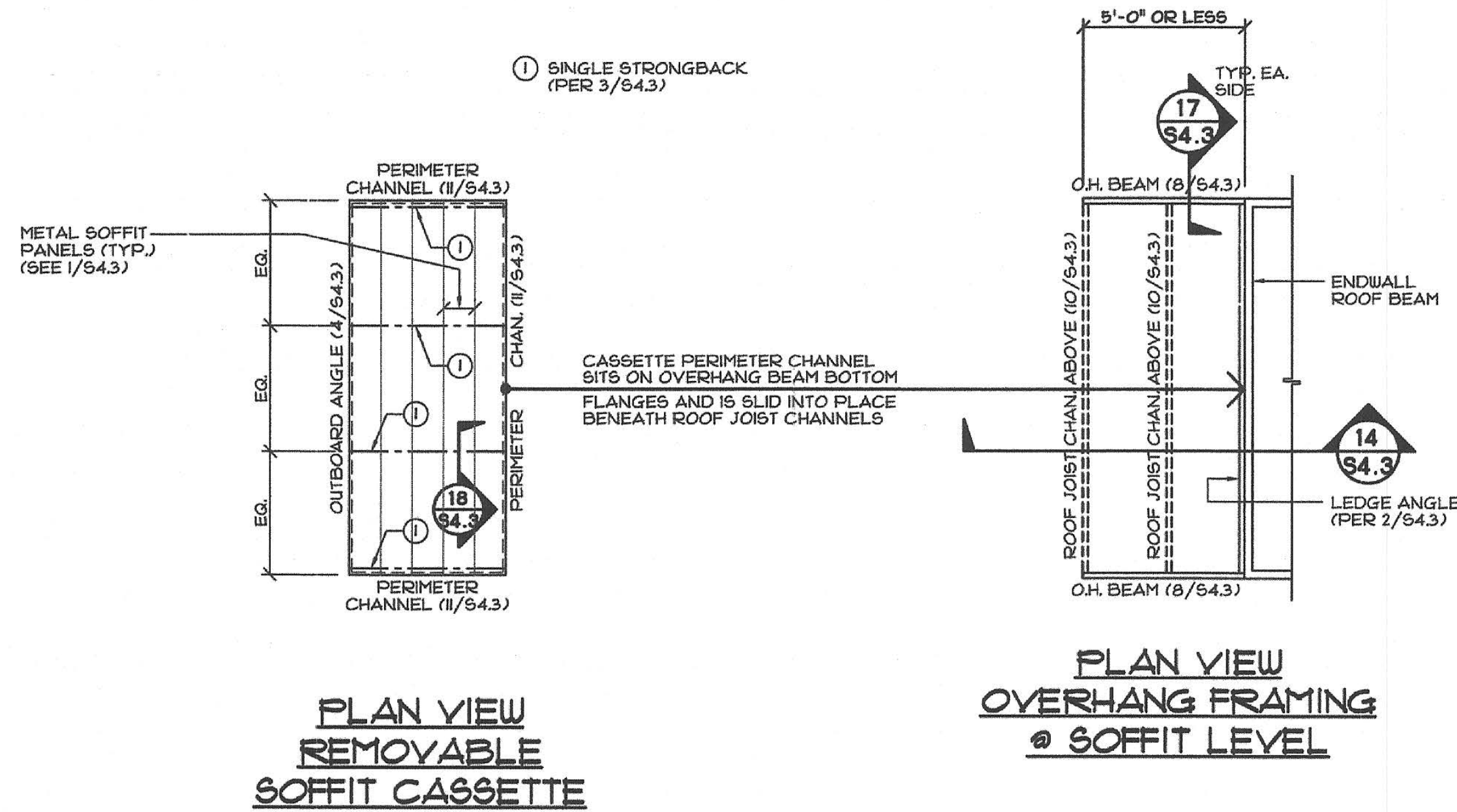
ALTERNATE STRUCTURAL
DETAILS

REVISION DATE: BY:

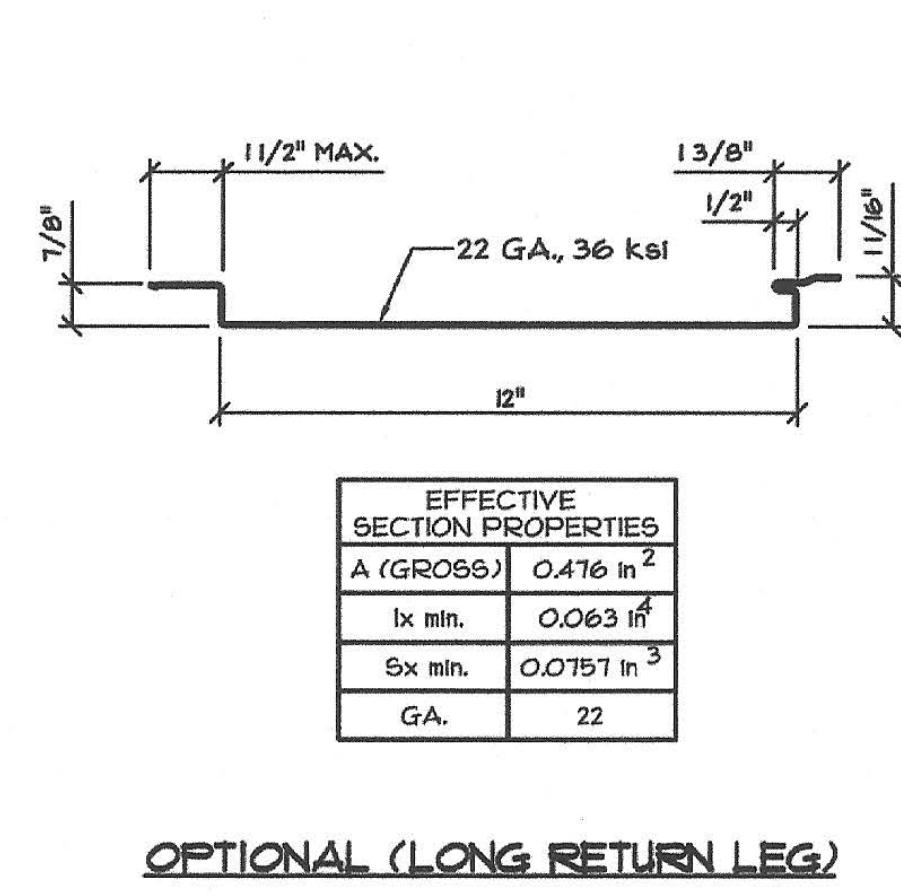
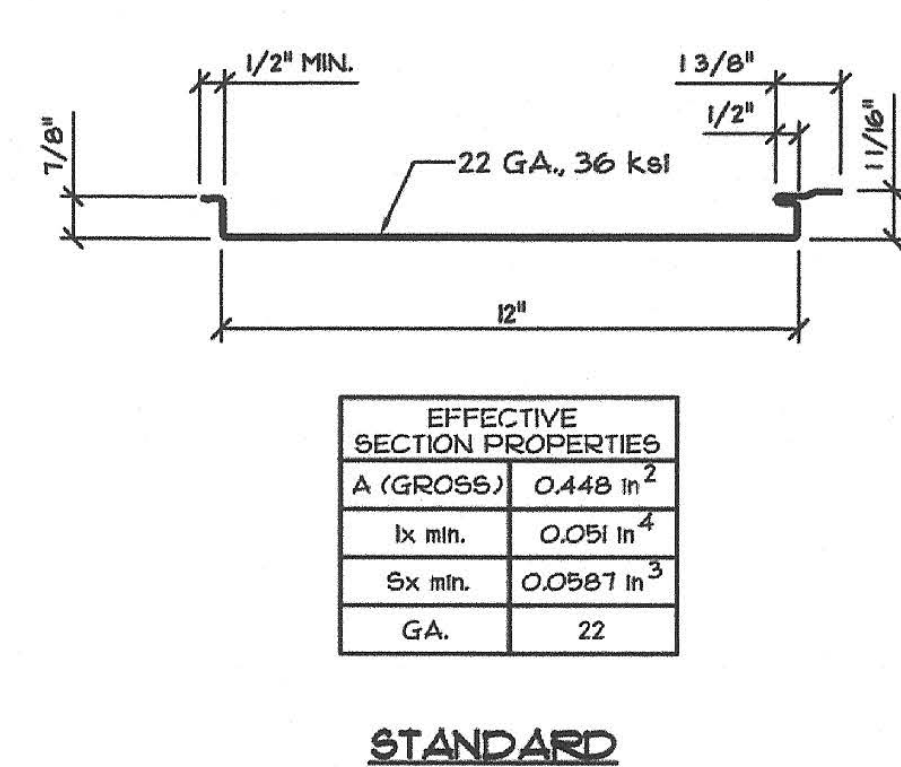
IDENTIFICATION STAMP
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02-116094
AC: FLS: SS: JDF
DATE: 9-6-2018

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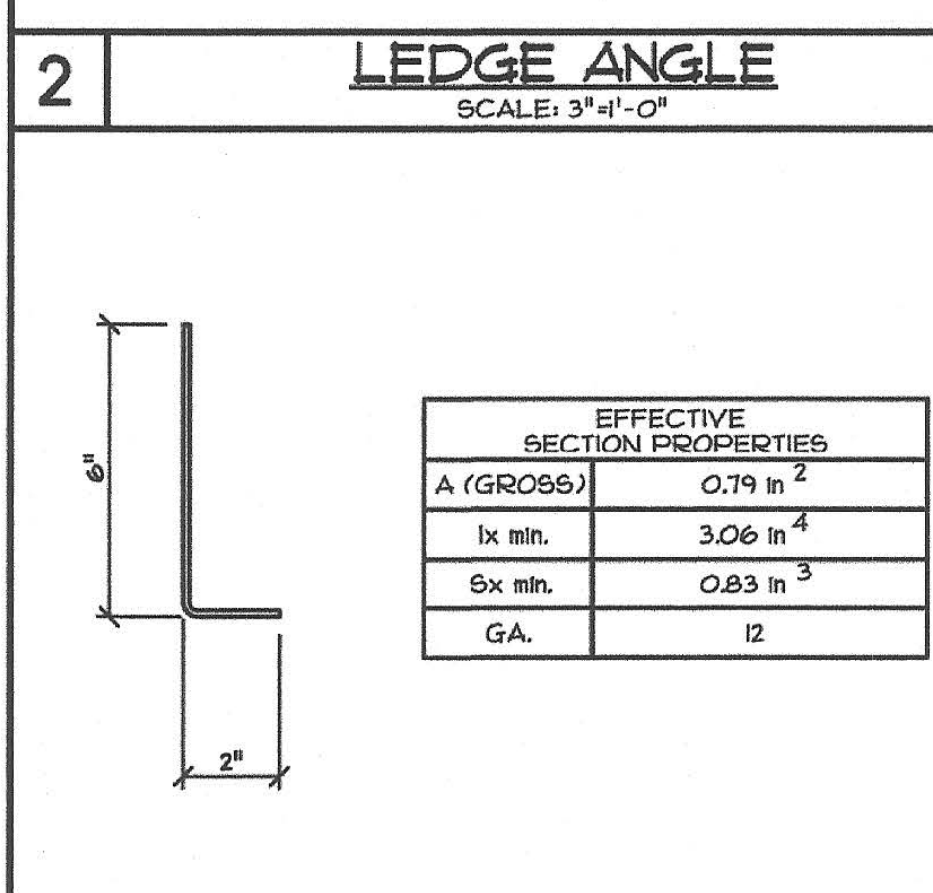
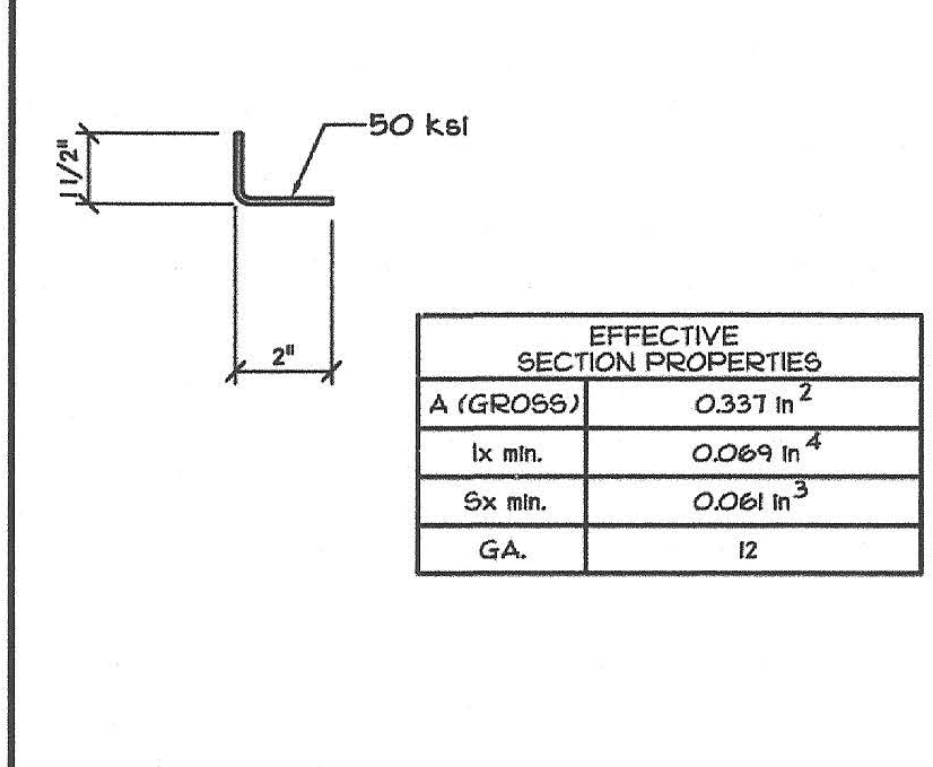
S4.2



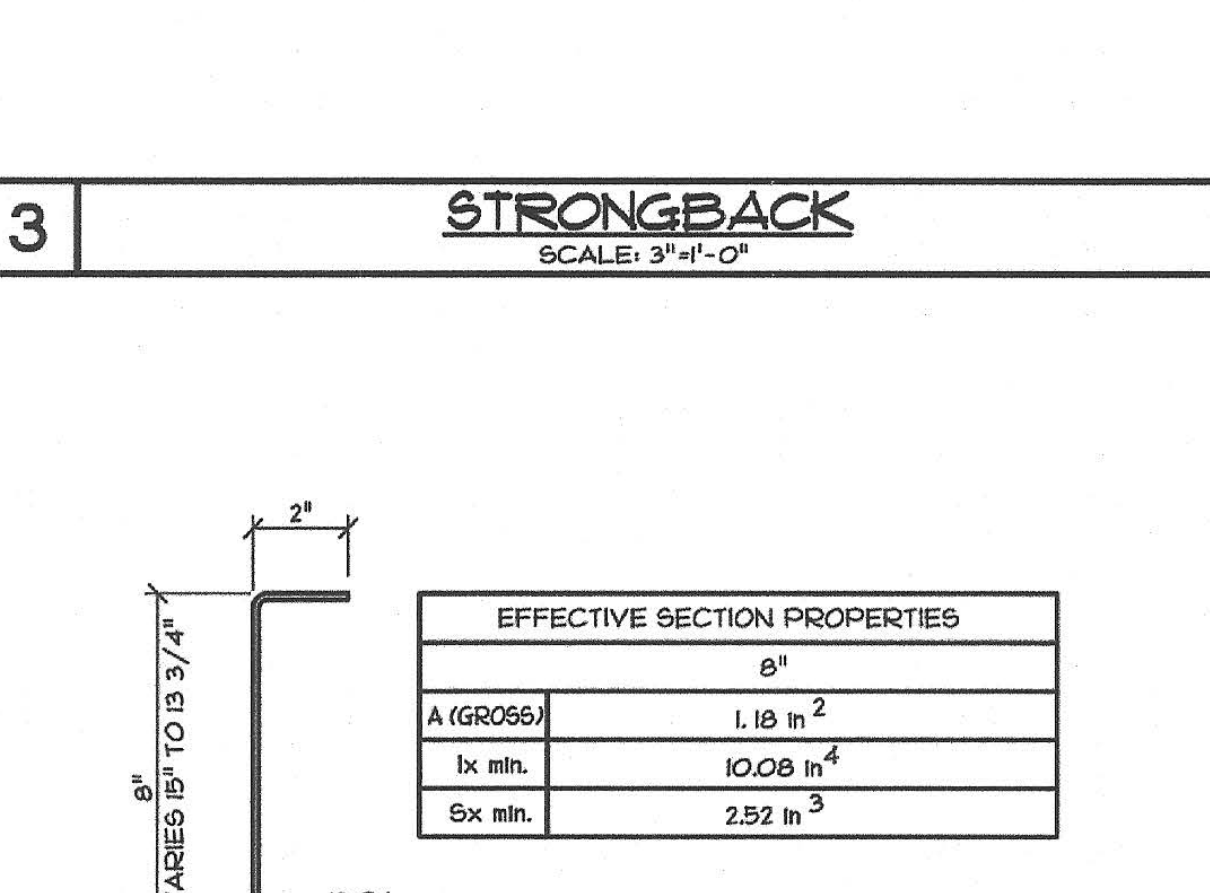
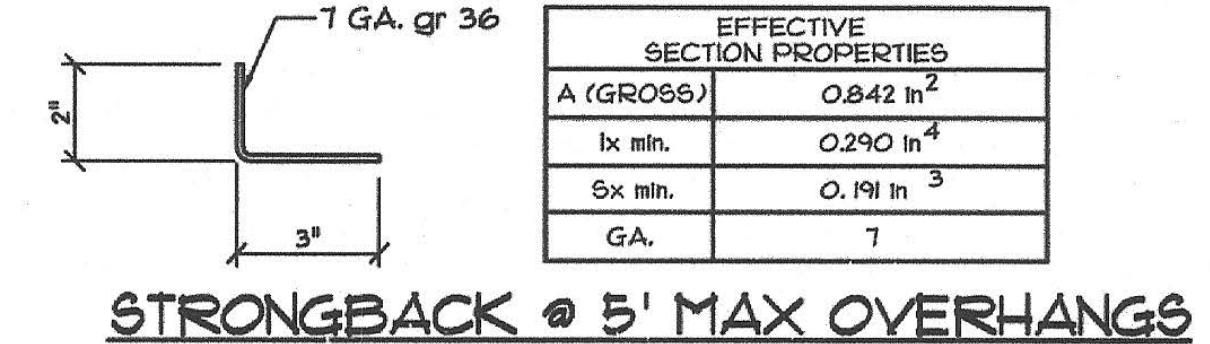
13 SOFFIT FRAMING PLAN (FRONT OVERHANG 5'-0" OR LESS)
SCALE: 1/4"=1'-0"



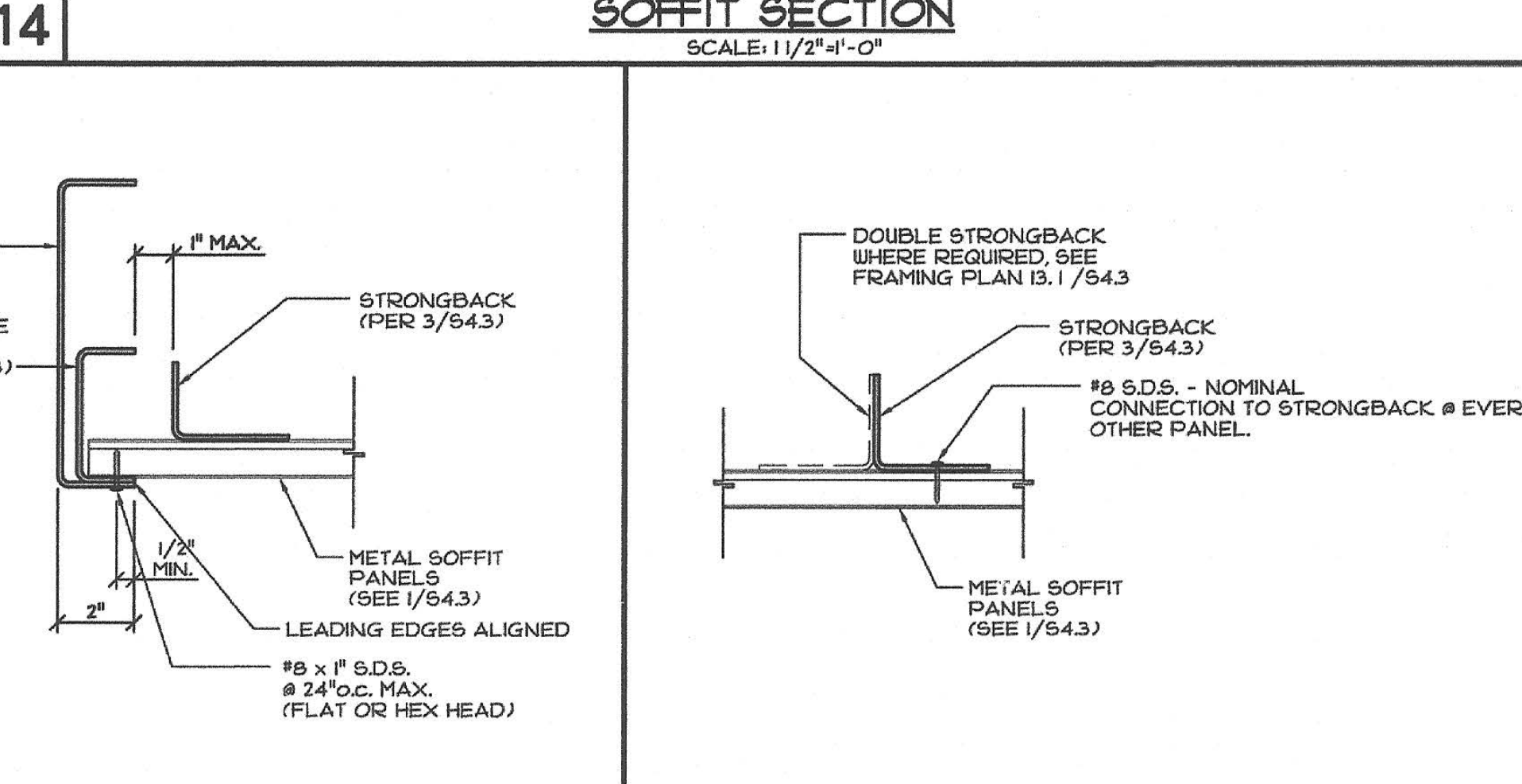
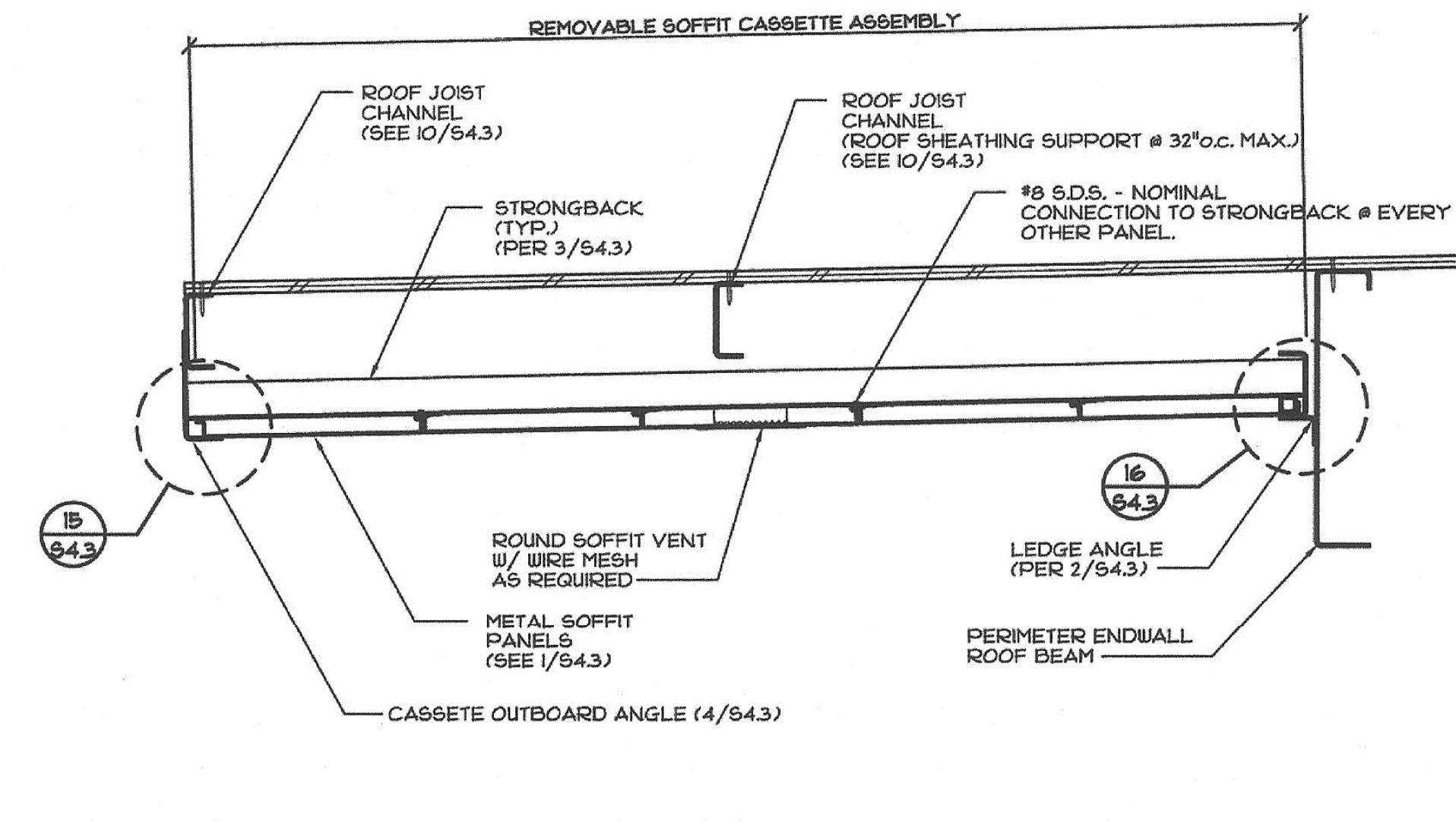
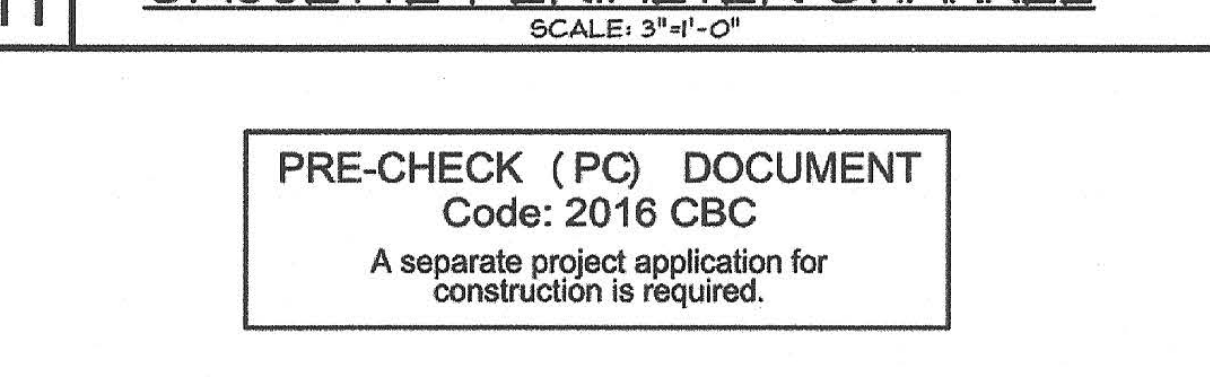
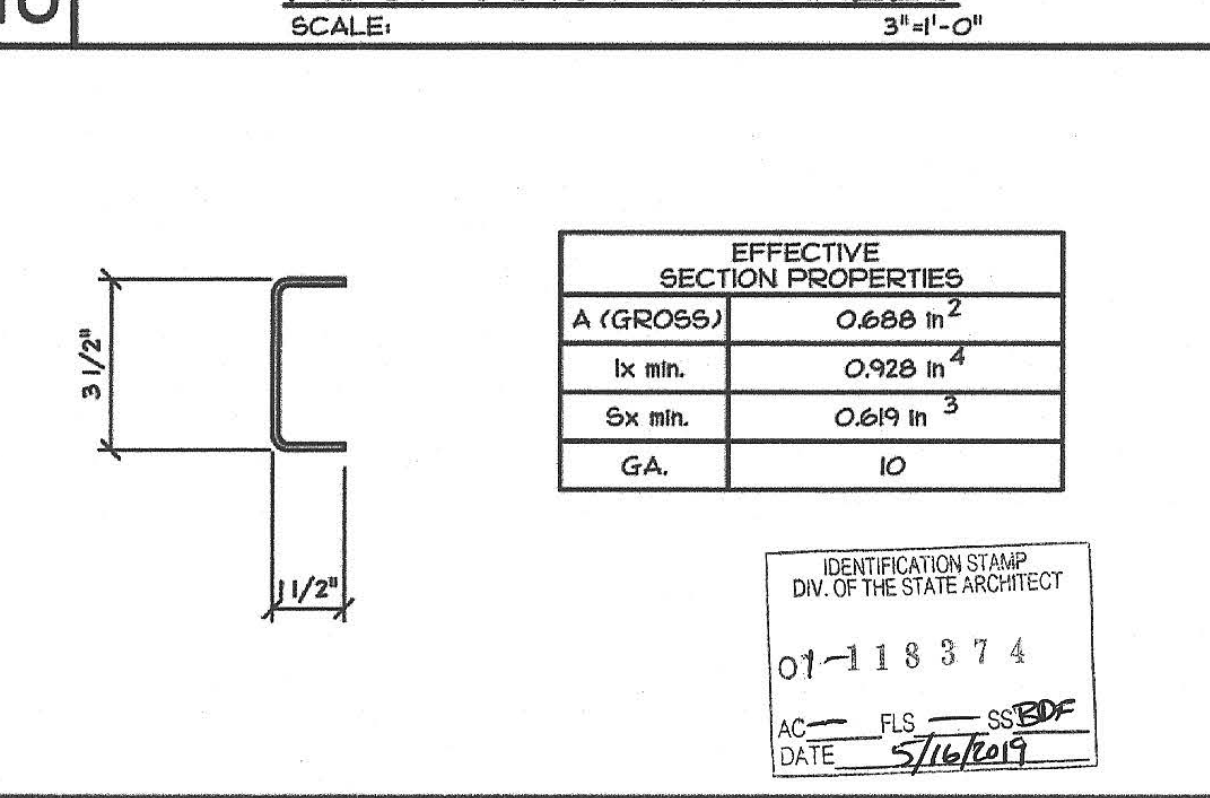
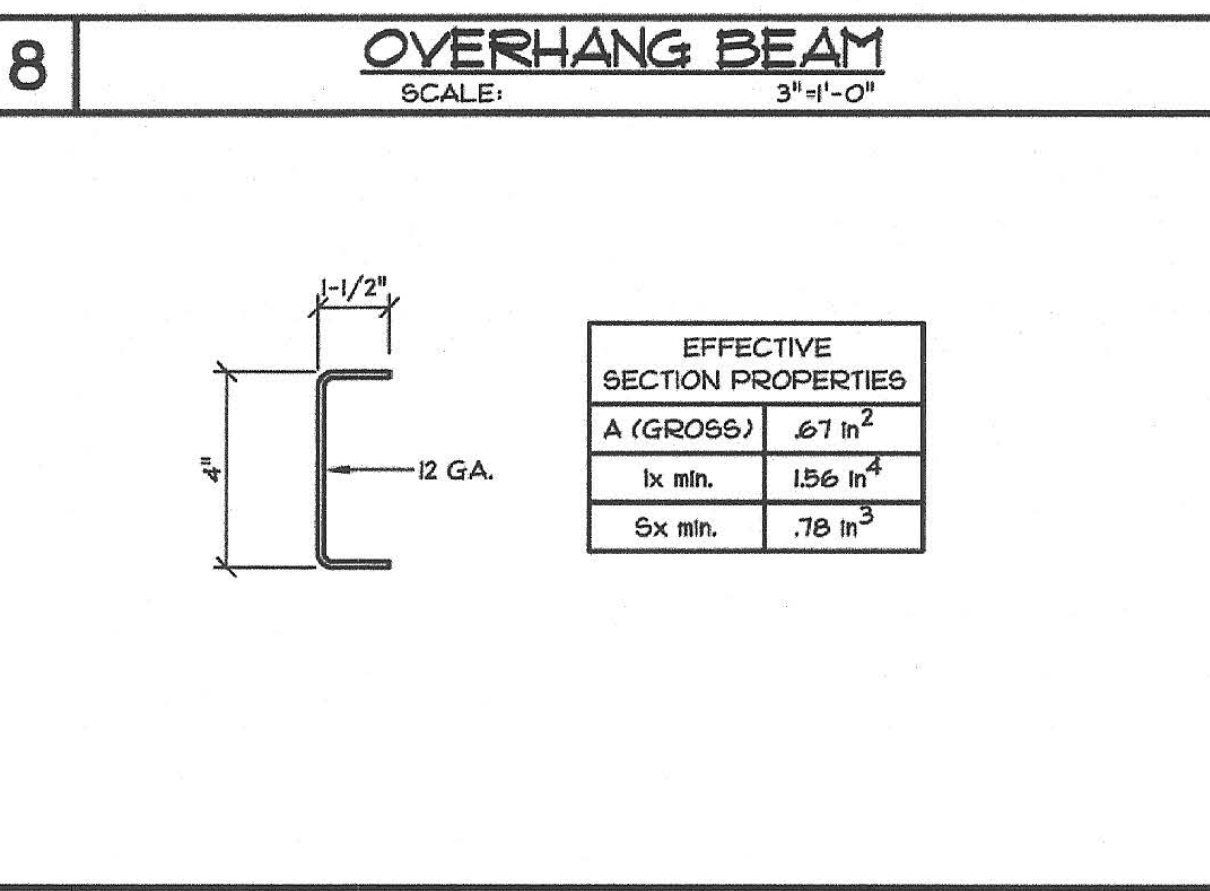
1 EXTERIOR SOFFIT PANELS
SCALE: 3/4"=1'-0"



4 CASSETTE OUTBOARD ANGLE
SCALE: 3/4"=1'-0"



10 ROOF JOIST CHANNELS
SCALE: 3/4"=1'-0"



15 SOFFIT OUTBOARD END
SCALE: 3/4"=1'-0"

16 SOFFIT INBOARD END
SCALE: 3/4"=1'-0"

17 SOFFIT @ MODLINE OR SIDEWALL
SCALE: 3/4"=1'-0"

18 SOFFIT IN FIELD
SCALE: 3/4"=1'-0"

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

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2410 HUNTERS CREEK DRIVE
SANTA ANA, CALIFORNIA 92705
(949) 946-0000 (949) 946-1338 Fax
www.cysgroup.com

05-13-2019

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST MOSS
No. S2300
STATE OF CALIFORNIA

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METAL SOFFIT PANELS,
REMOVABLE CASSETTE
(M. LARA EDITION)

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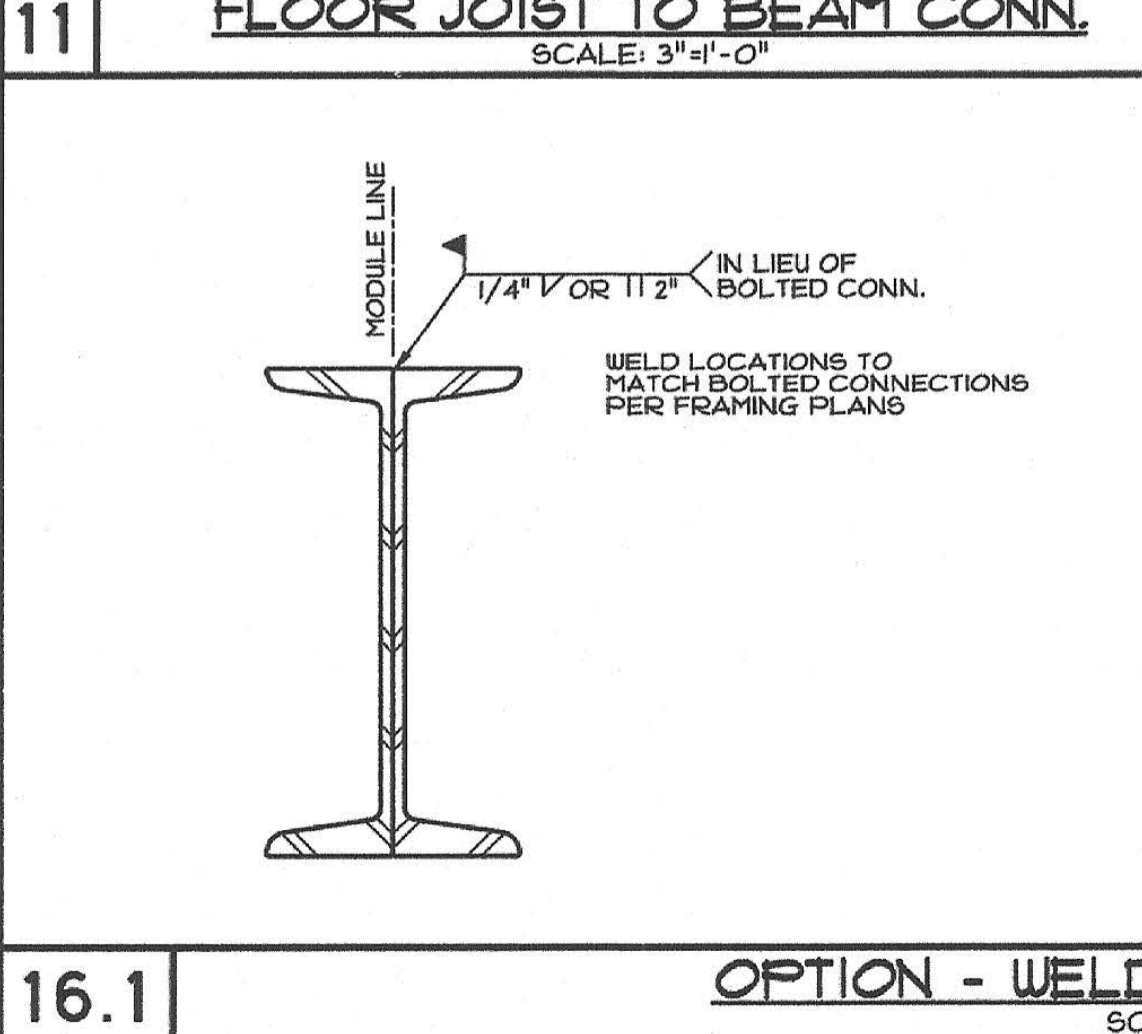
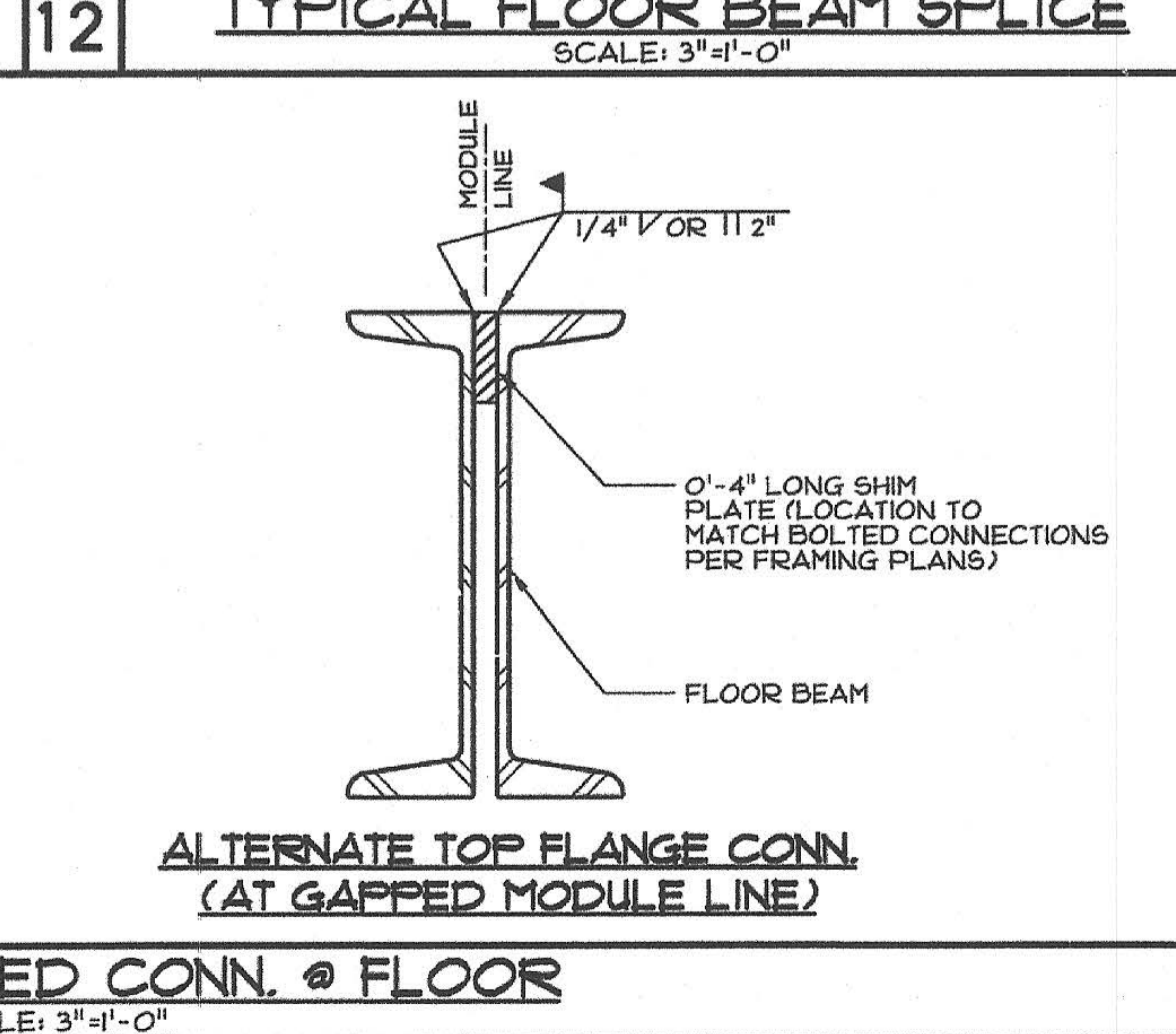
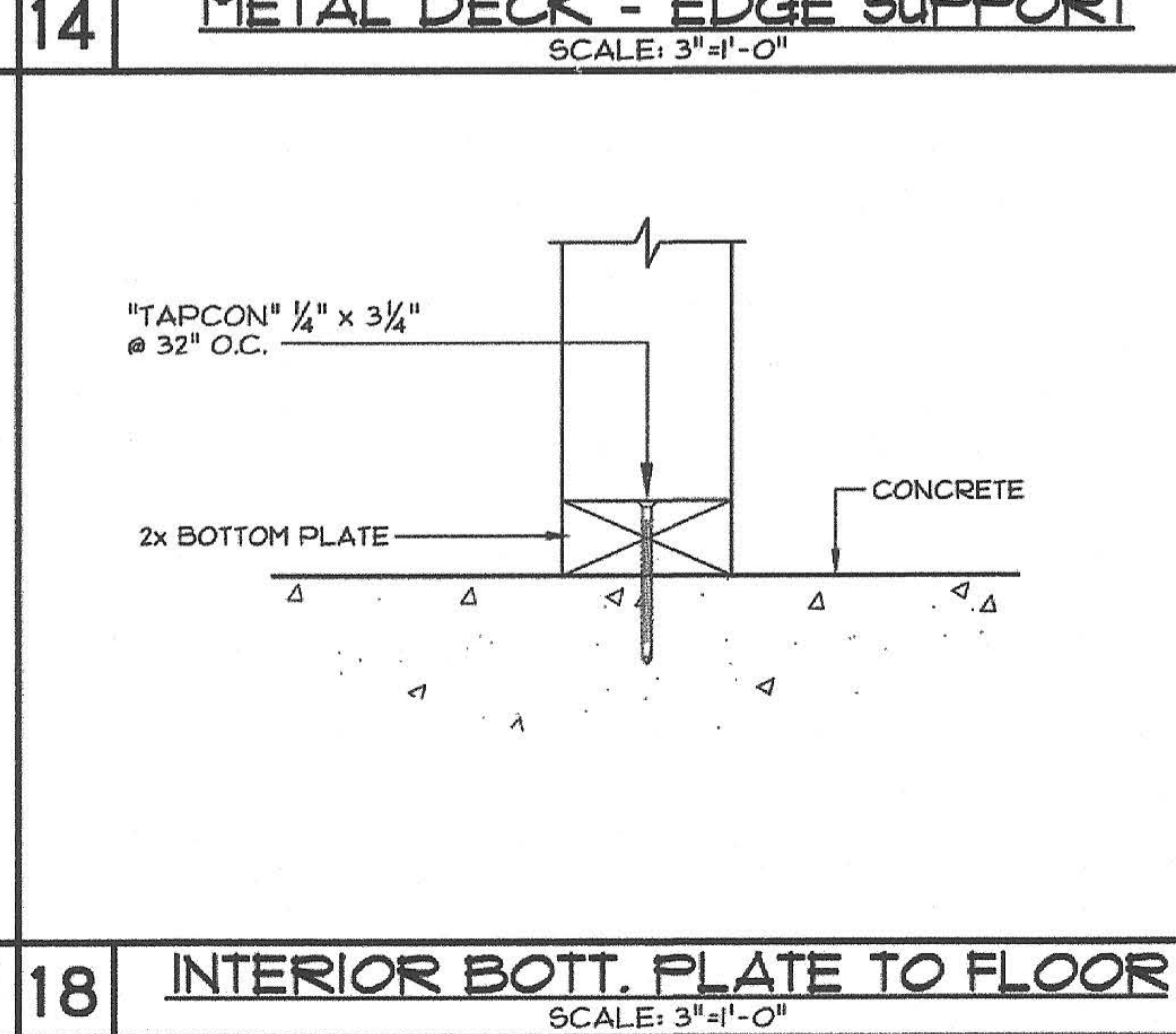
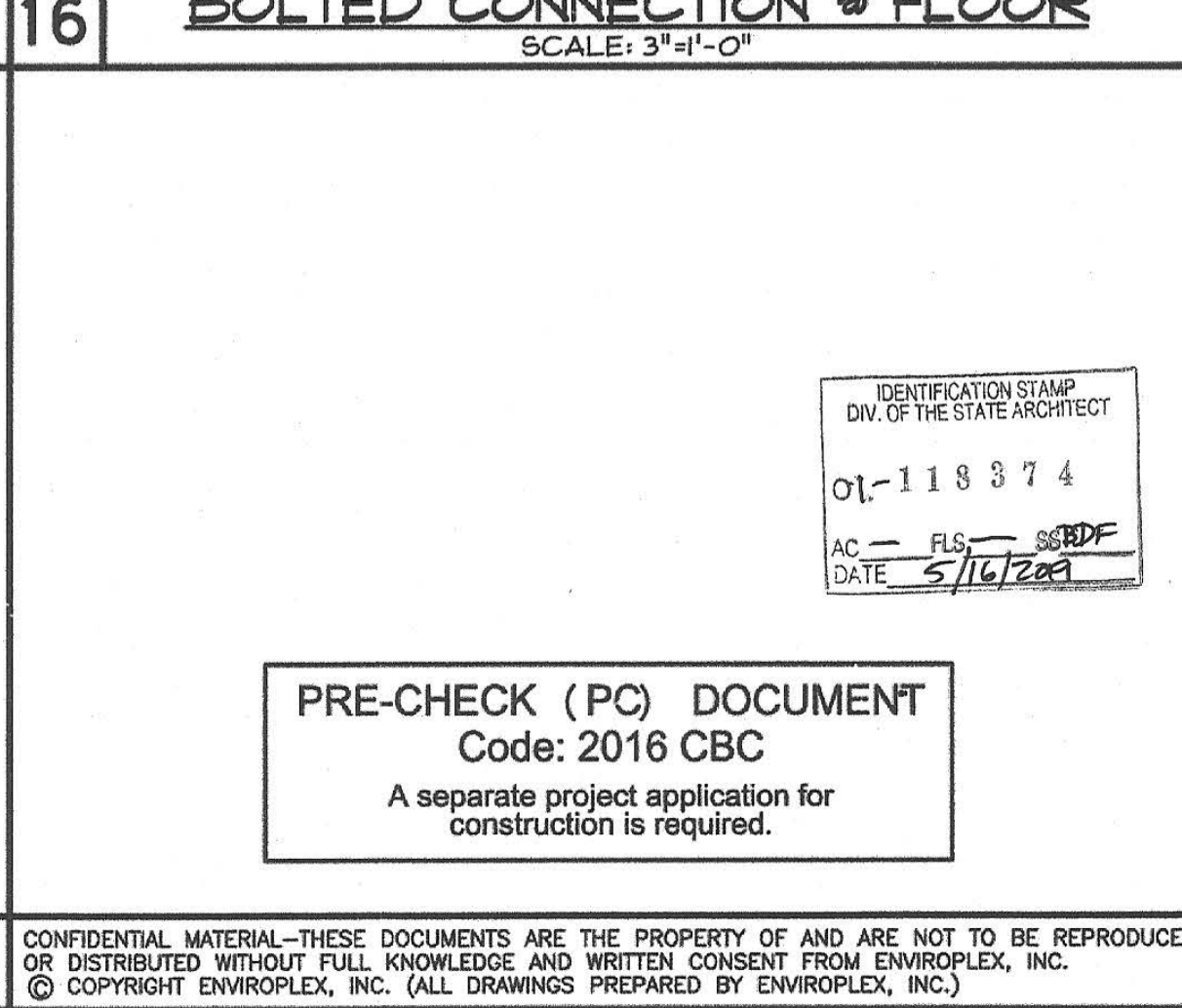
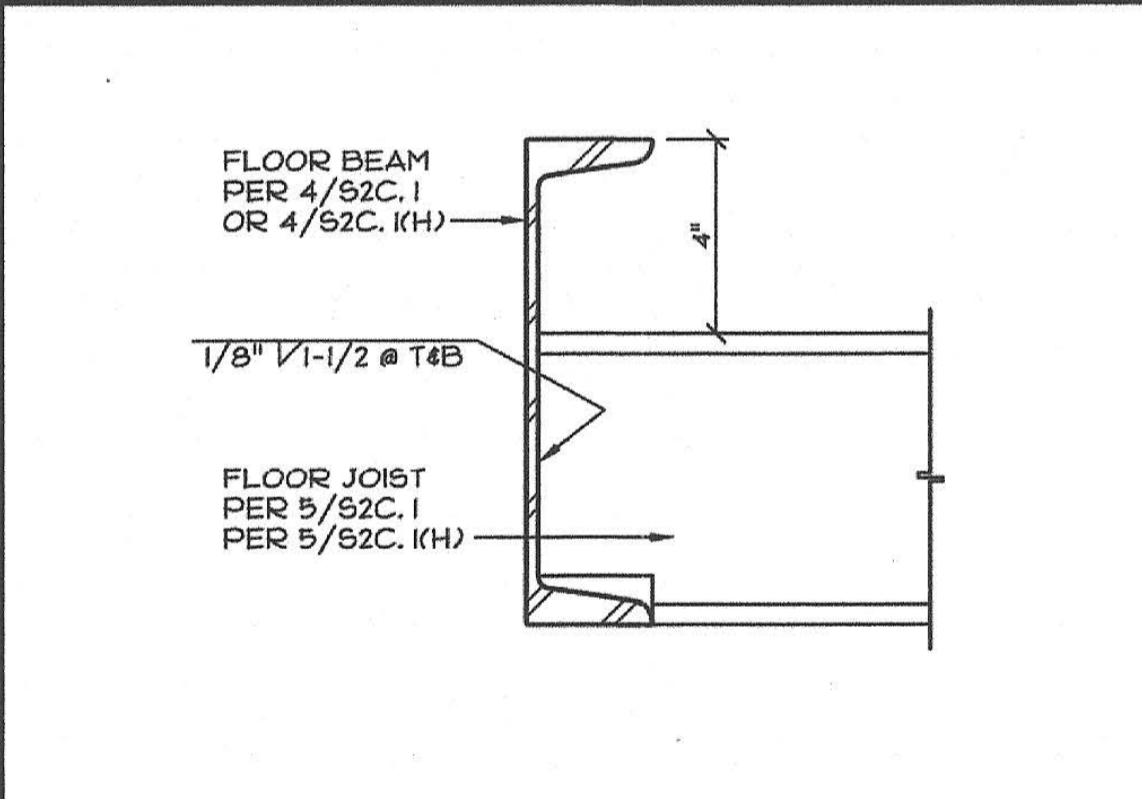
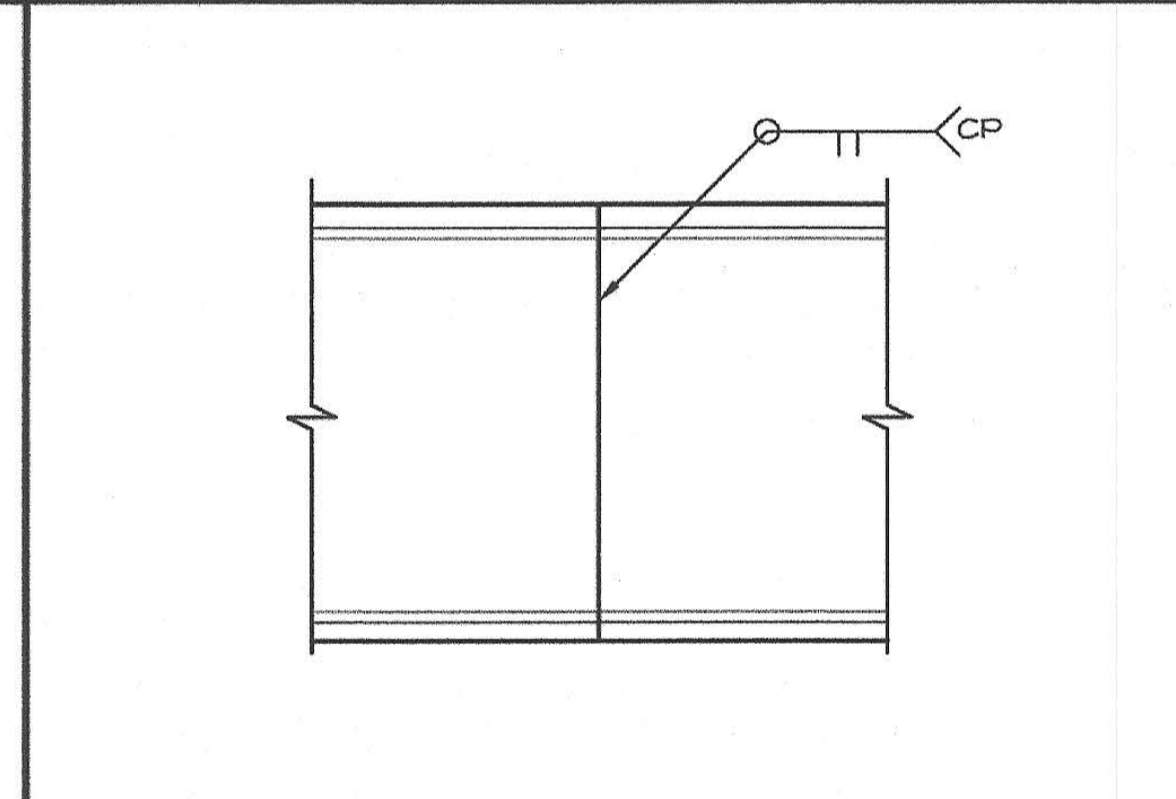
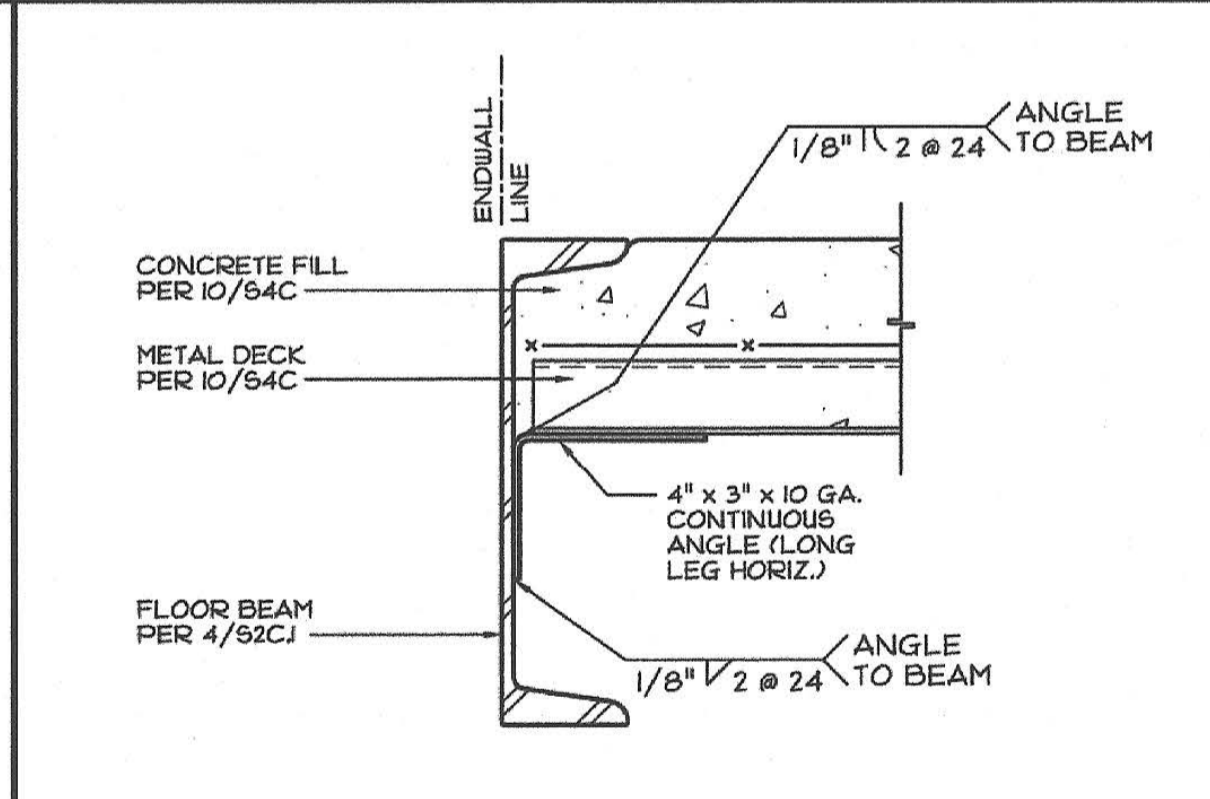
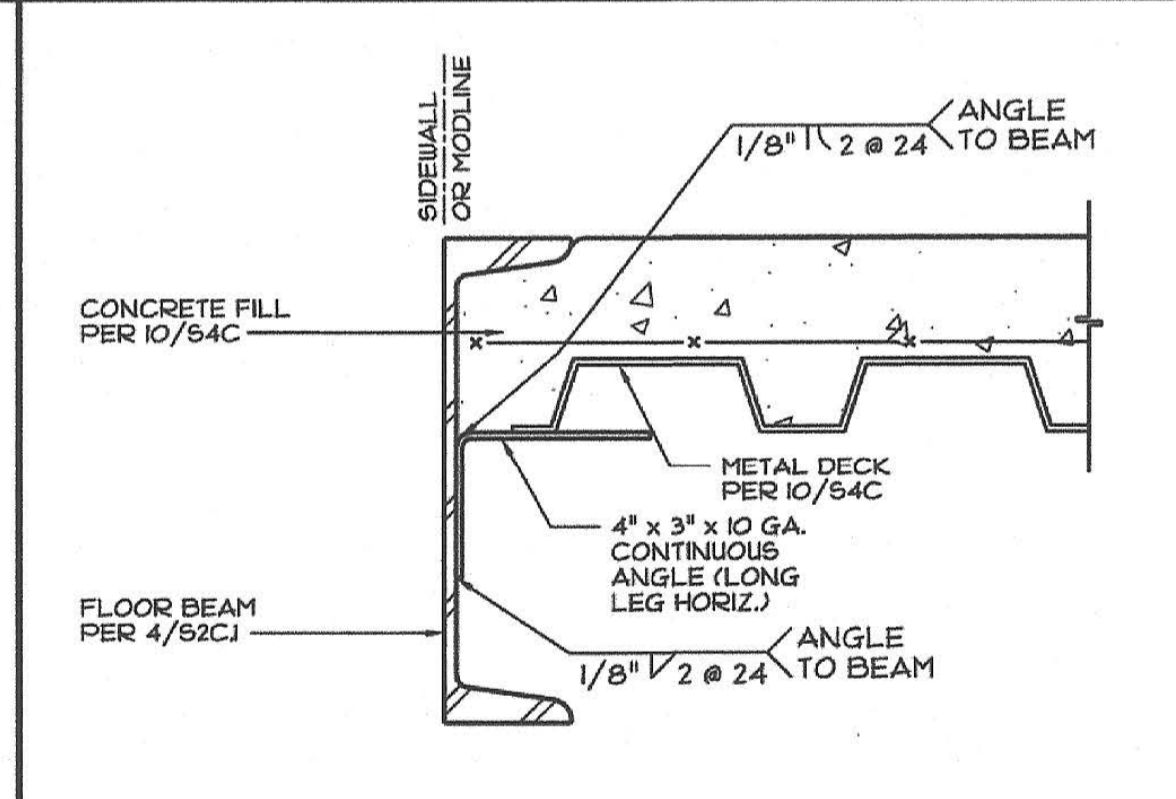
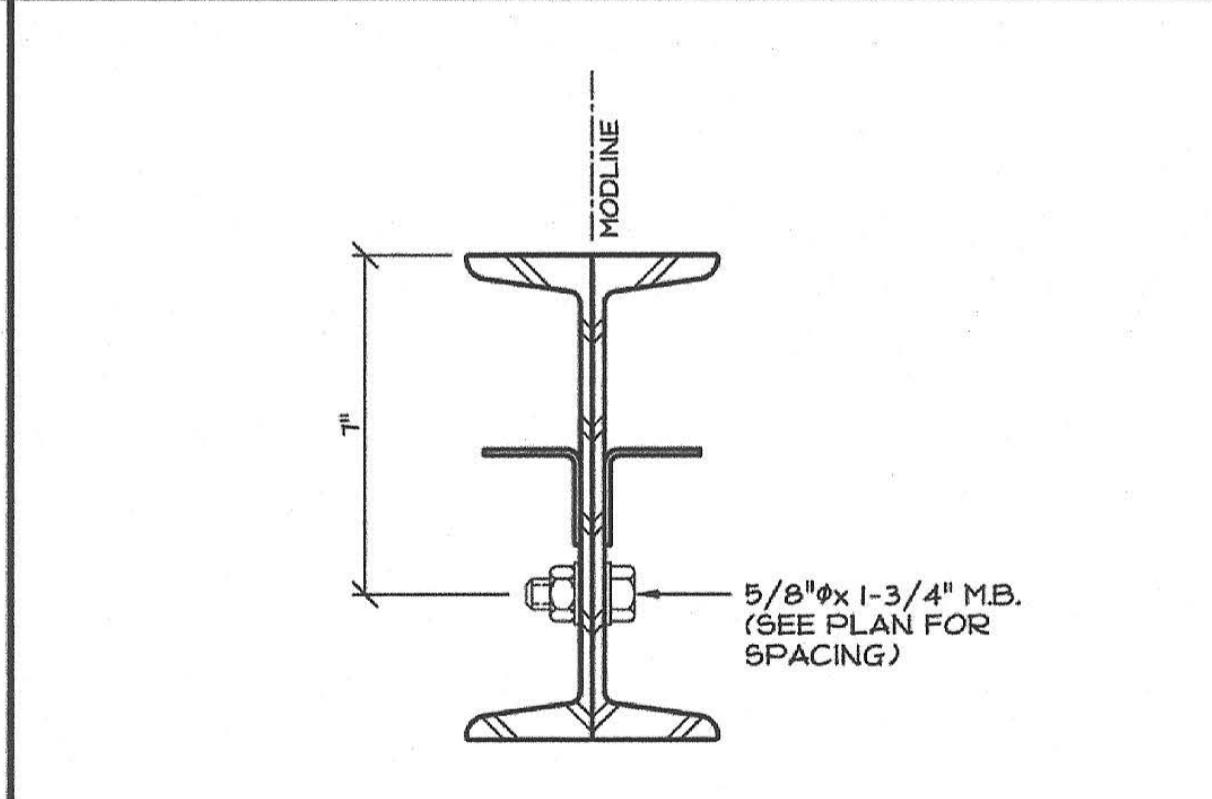
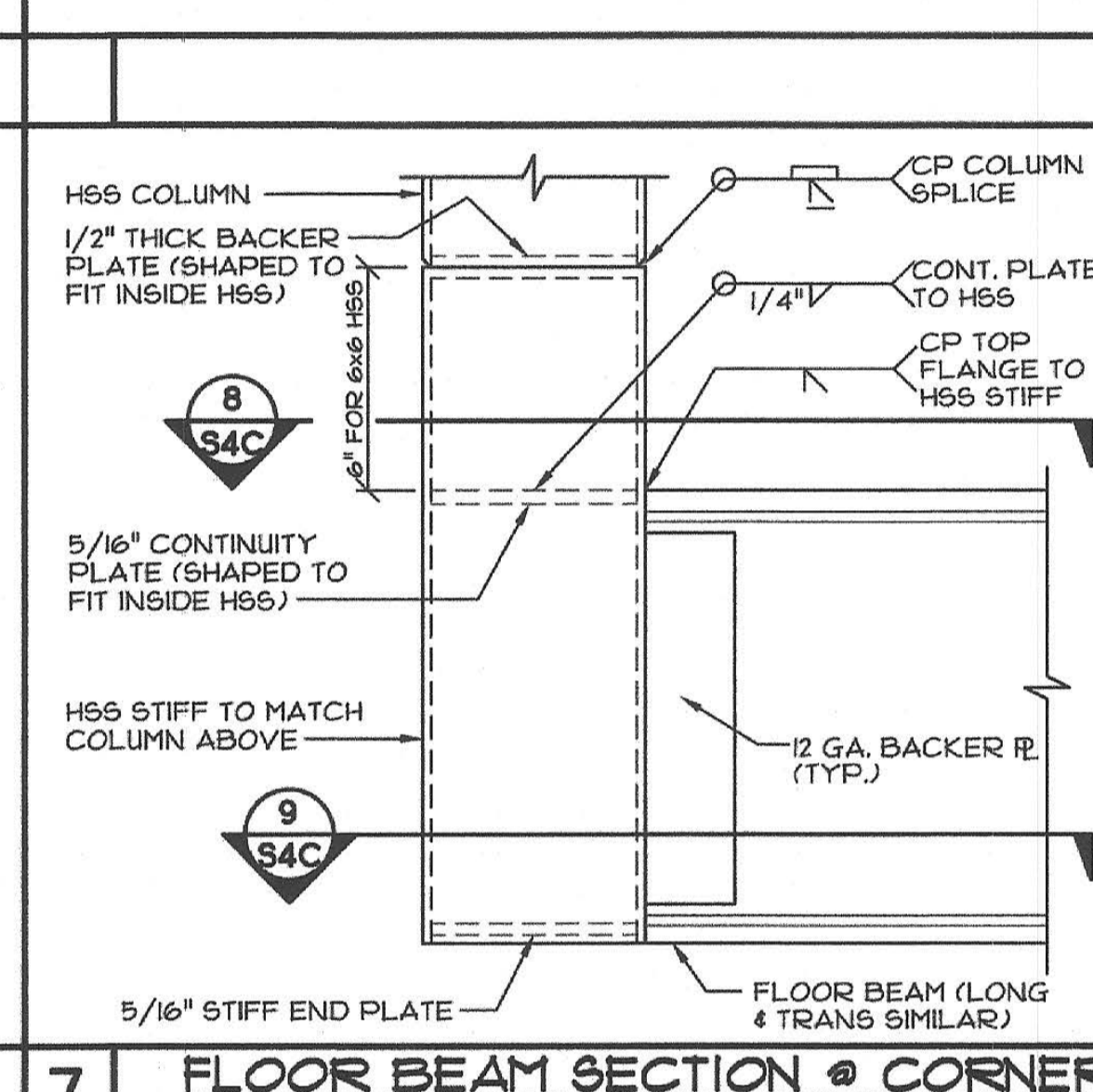
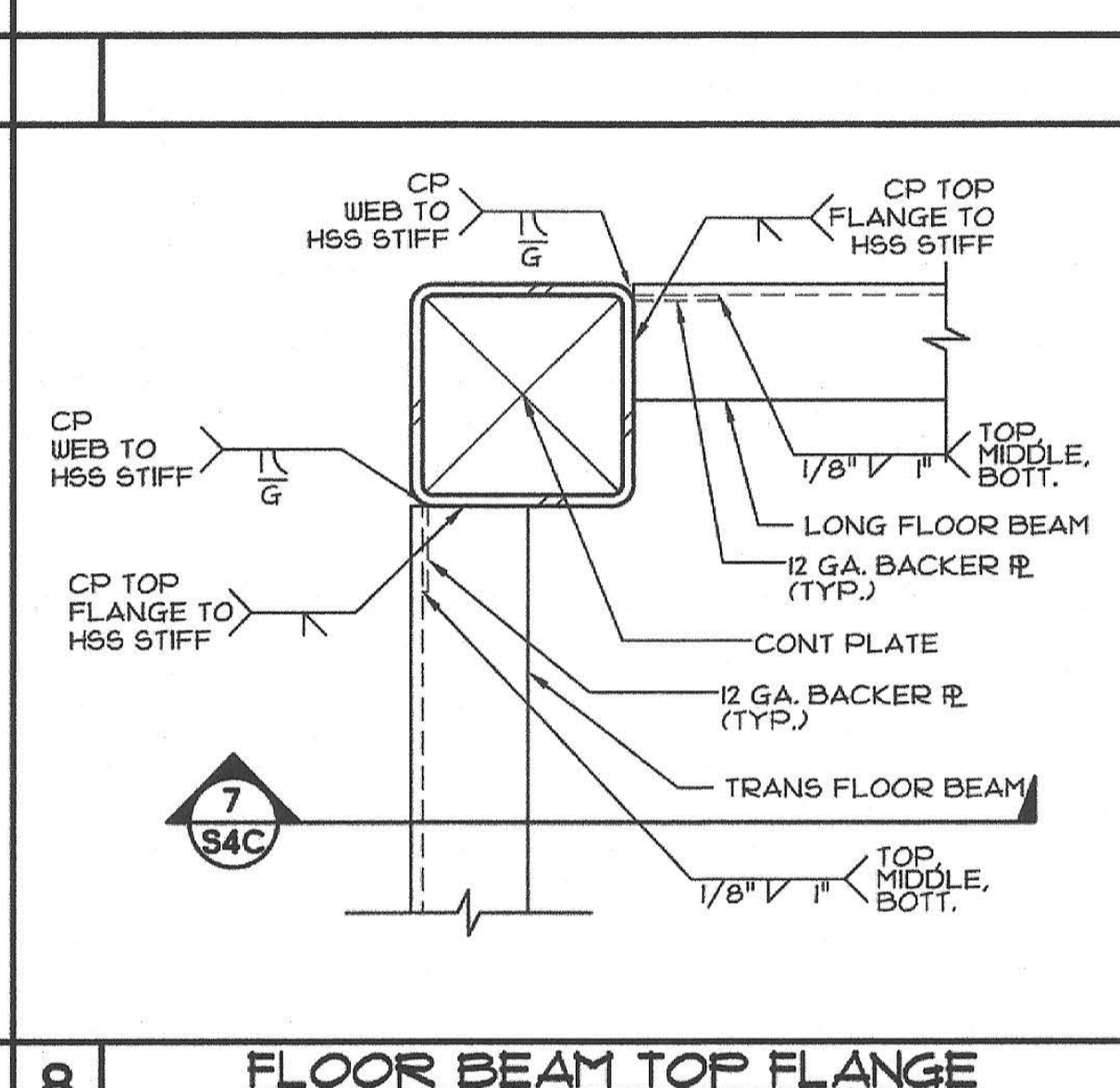
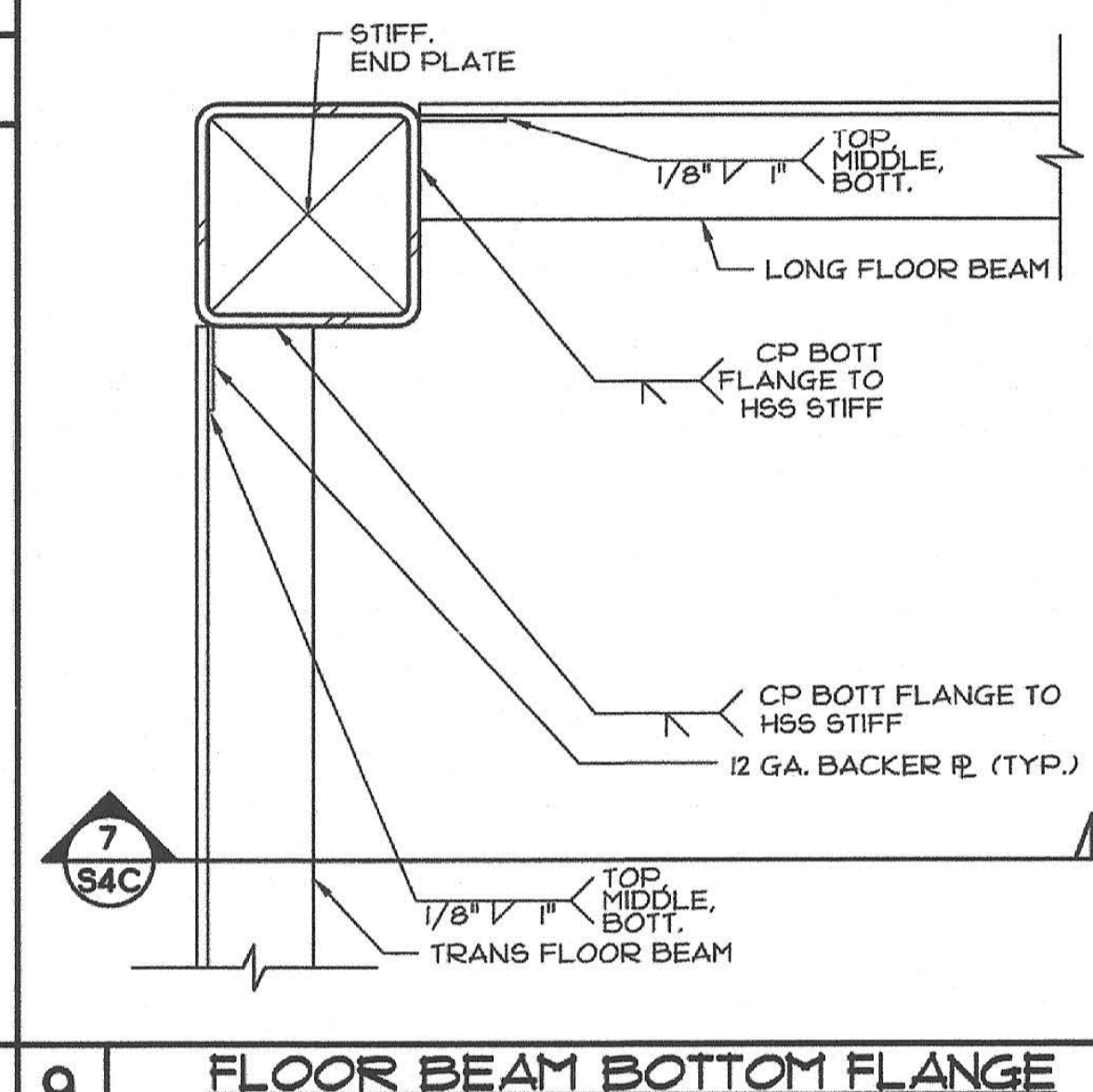
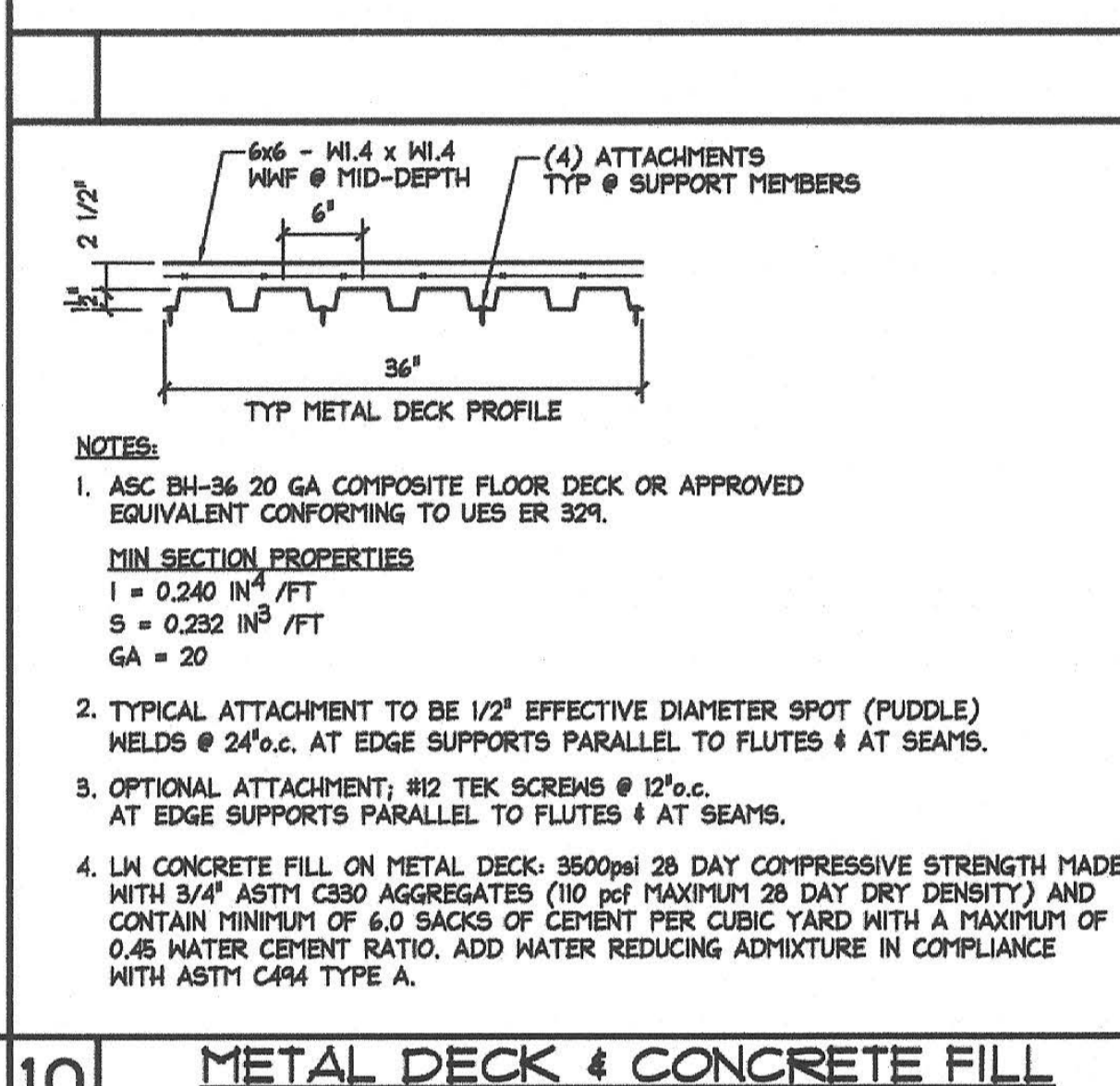
JOB No.:
DRAWN BY:
DATE:

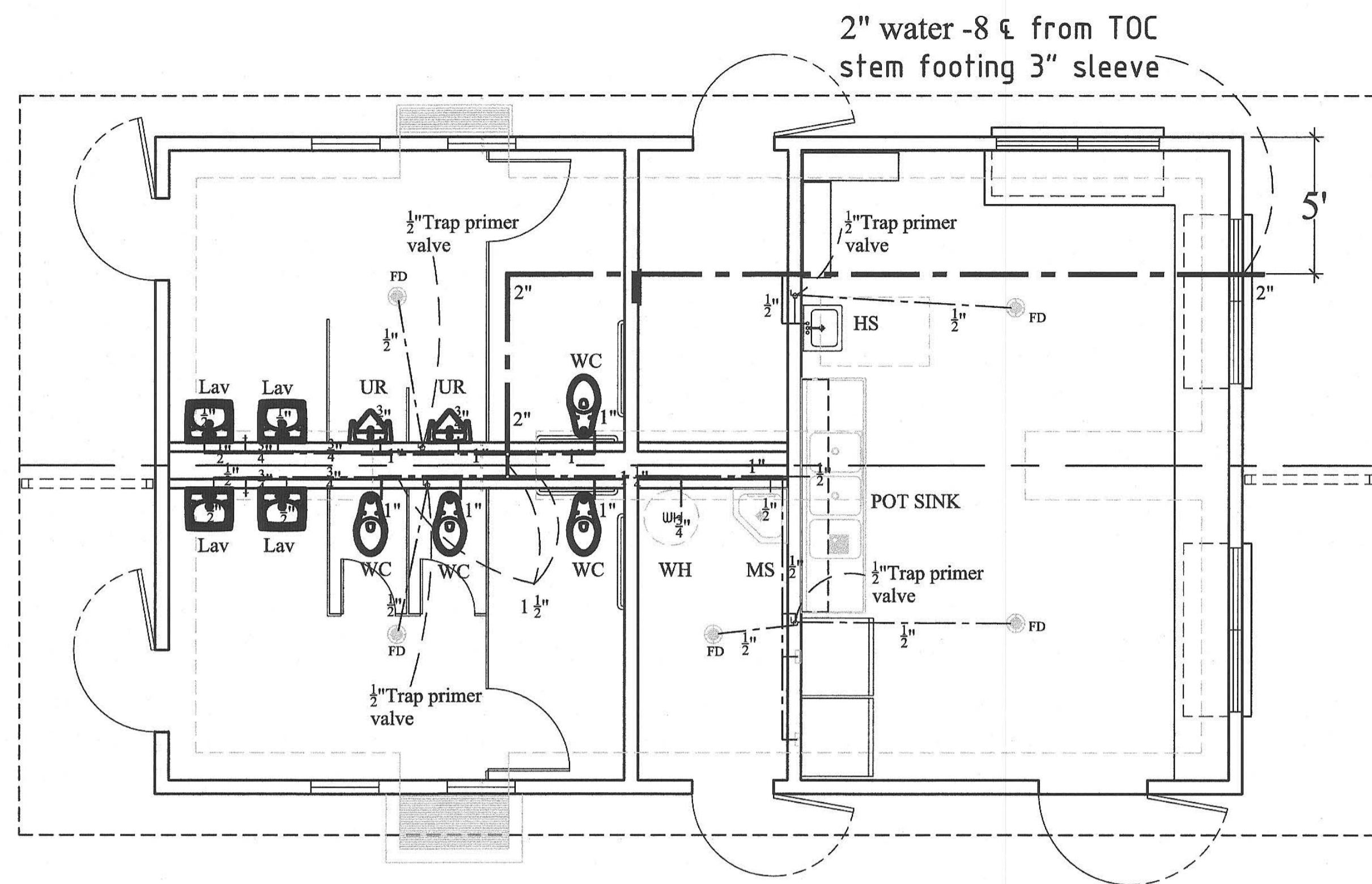
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
AC: FLS SS: SDF
DATE: 5/16/2019

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DIVISION OF THE STATE ARCHITECT
02-118094
AC: FLS SS: SDF
DATE: 9-6-2018

24"x40" TO 120"x40" P.C.

S4.3





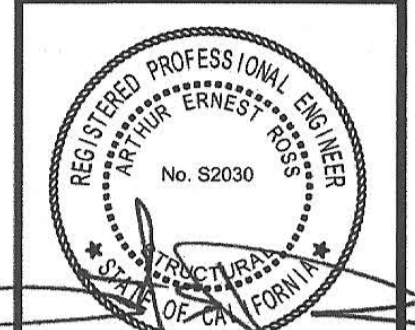
WATER CALC'S

Water Closets:	4	=	105FU
Lavatories:	4	=	4FU
Urinals:	2	=	35FU
Mop Sink:	1	=	3FU
Pot Sink (1faucet)	1	=	2FU
Hand Sink:	1	=	2FU
Hose Bibb	3	=	4.5FU
TOTAL FIXTURE UNIT = 155.5fu			
CPC TABLE 610.4			
Column Length 150' Pipe Sized Accordingly 2"			

WATER HEATER SIZING FOR SOQUEL CONCESSION

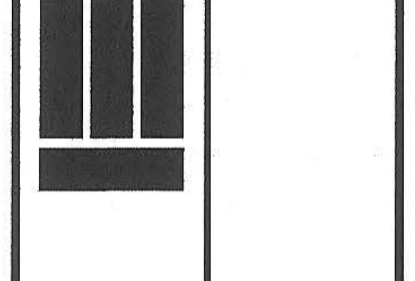
QTY	Description	GPH	Totals
1	16 x 20 three compartment sink	42	42
1	Mop Basin	5	5
1	Hand sinks	5	5
4	Lavatories	5	20
			72
Food Facility single-service eating and drinking utensils			40%
			29
<hr/>			
KW input:	29 GPH x 60 degree x 8.33 lb/gallon		14305.96
	0.98 x	3412 BTU/KW	3343.76
<hr/>			
KW input:	4		
		Pot Sink GPH =	42
<hr/>			
WATER HEATER: Bradford White LE23053-3 30 gal 240v 4000watt			

1 **COLD WATER PLUMBING PLAN**
SCALE: 1/4"=1'-0"



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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215, (209) 466-8000
**NEW RELOCATABLE BUILDING AT
PIEDMONT HILLS HIGH SCHOOL
EAST SIDE UNION HIGH SCHOOL DISTRICT**

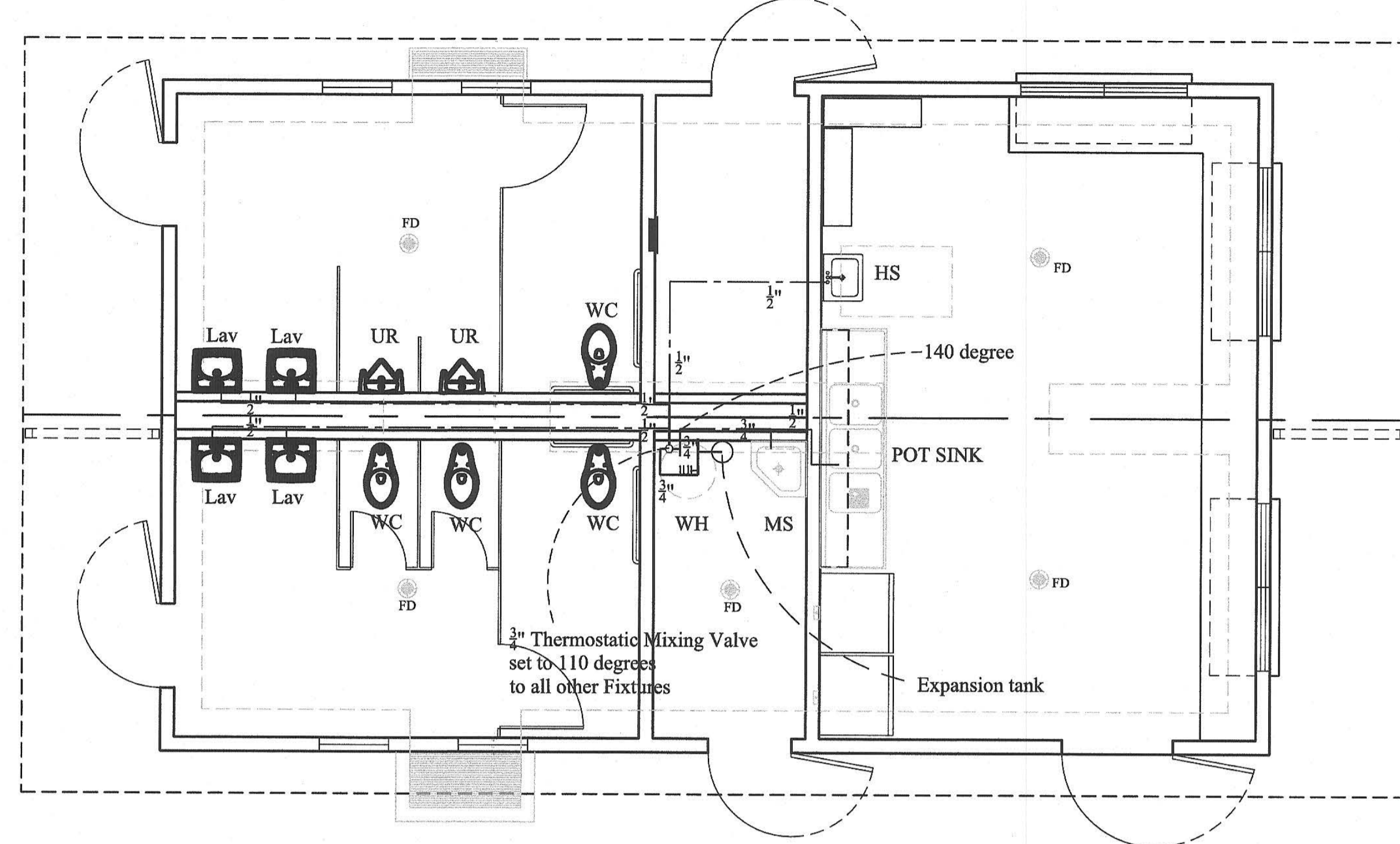


COLD WATER PLUMBING PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01-118374
APPROVED BY: [Signature] SS [Signature]
DATE: 5/16/2019

REV / DATE:	BY:
JOB No.:	19-000
DRAWN BY:	RS
DATE:	05/10/19

Note: All Hot Water piping to be insulated with: IMCOA Polymer Foam Insulation



WATER HEATER SIZING FOR SOQUEL CONCESSION

QTY	Description	GPH	Totals
1	36 x 20 three compartment sink	42	42
1	Mop Basin	5	5
1	Hand sinks	5	5
4	Lavatories	5	20
			72
	Food Facility single-service eating and drinking utensils		40%
			29
	kW input = 29 GPH x 60 degree x 8.33 lb/gallon		14305.95
		0.98 x 3412 BTU/kW	3343.76
	kW input = 4		
	Pot Sink GPH =		42
	WATER HEATER: Bradford White LE23053-3 30 gal 240v 4000watt		

1

HOT WATER PLUMBING PLAN
SCALE: 1/4"=1'-0"

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DIV. OF THE STATE ARCHITECT
01-118374
DATE 5/10/19

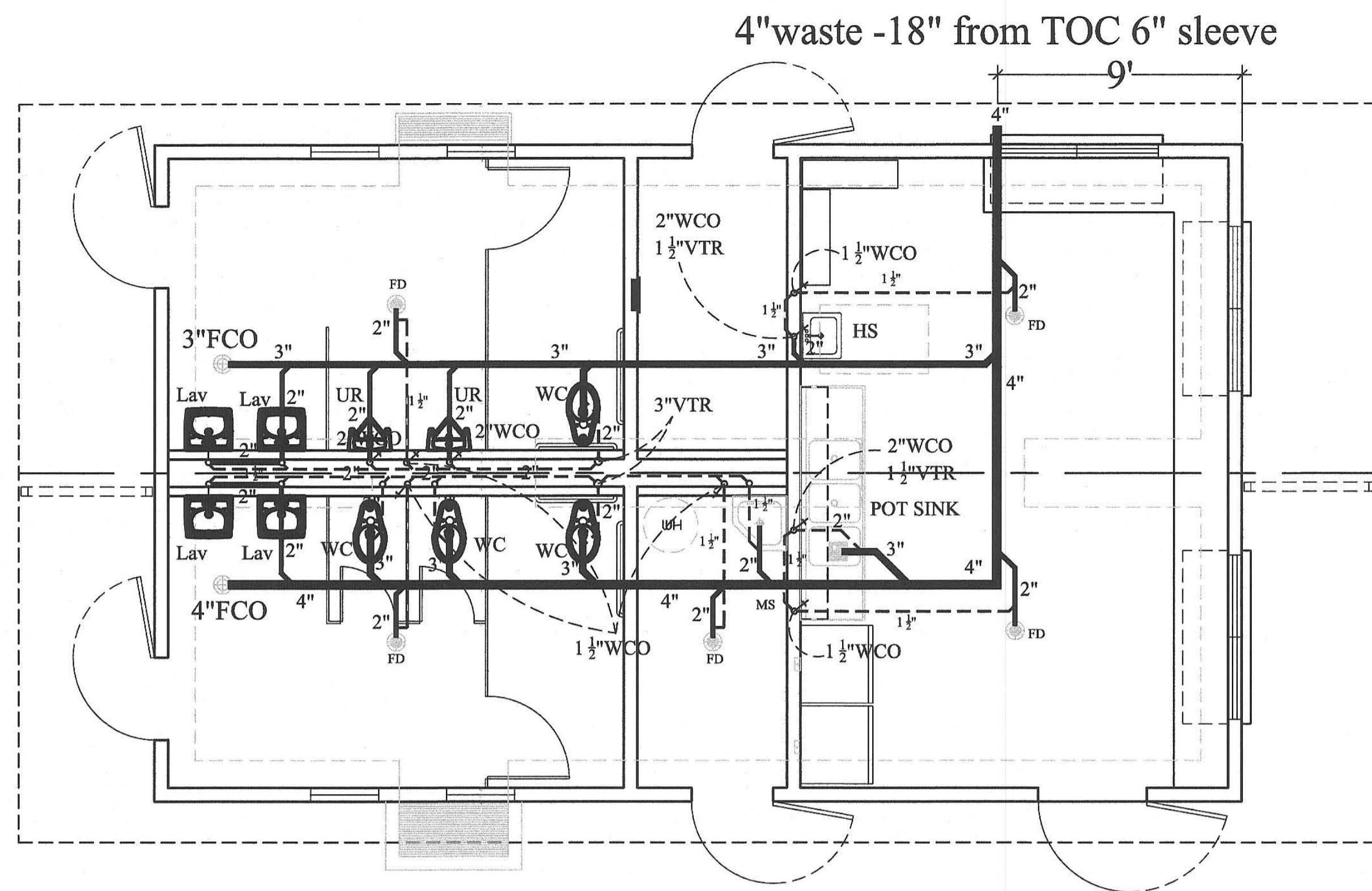
CYS
STRUCTURAL ENGINEERS INC.
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05-13-2019
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. S20300
PLUMBING
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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215, (209) 466-8000
NEW RELOCATABLE BUILDING AT
PIEDMONT HILLS HIGH SCHOOL
EAST SIDE UNION HIGH SCHOOL DISTRICT

HOT WATER PLUMBING PLAN

REV / DATE:	BY:
JOB No.:	19-000
DRAWN BY:	RS
DATE:	05/10/19



WASTE CALC'S
 4 - WC 6FU = 24FU
 4 - LAV 1FU = 4FU
 2 - UR 5FU = 10FU
 1 - HS 2FU = 2FU
 1 - 3/PS 42GPH= 6FU
 1 - MS 3FU = 3FU
 5 - FD 2FU = 10FU
TOTAL FU = 59FU
 CPC Table 703.2
 Pipe Sized Accordingly
 4" Sanitary Sewer

SHEET NOTES
 1) ABS Plastic Pipe & Fittings
 2) FCO = Floor Clean Out
 3) WCO= Wall Clean Out
 4) VTR = Vent Thru Roof
 5) WC = Water Closet
 6) LAV = Lavatory
 7) UR = Urinal
 8) MS = Mop Basin
 9) HS = Hand Sink
 10) TOC = Top of Concrete Stem footing
 11) FD = Floor Drain

WASTE WATER PLUMBING PLAN
 SCALE: 1/4"=1'-0"

1



WASTE PLUMBING PLAN

REV / DATE:	BY:
JOB No.:	19-000
DRAWN BY:	RS
DATE:	05/10/19

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 AC KGB/S
 DATE 5/10/2019