



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**APPLICATION FOR HCAI PREAPPROVAL OF
MANUFACTURER'S CERTIFICATION (OPM)**

OFFICE USE ONLY

APPLICATION #: OPM-0719

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: Neopod Systems

Manufacturer's Technical Representative: Michael Miller

Mailing Address: 7850 Old Bastrop Rd, New Braunfels, TX 78130

Telephone: (512) 987-0097

Email: mmiller@neopodsystems.com

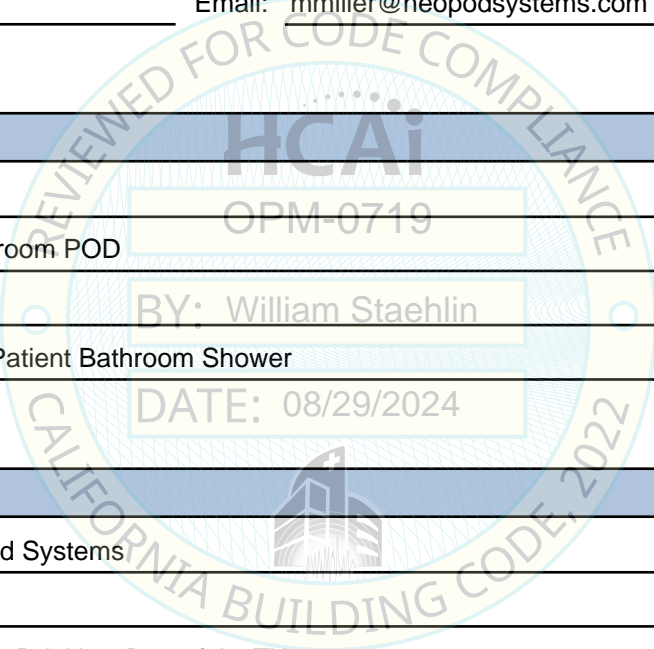
Product Information

Product Name: BPR83

Product Type: Factory Build Bathroom POD

Product Model Number: BPR83

General Description: Accessible Patient Bathroom Shower



Applicant Information

Applicant Company Name: Neopod Systems

Contact Person: Michael Miller

Mailing Address: 7850 Old Bastrop Rd, New Braunfels, TX 78130

Telephone: (512) 987-0097

Email: mmiller@neopodsystems.com

Title: VPO

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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





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Registered Design Professional Preparing Engineering Recommendations

Company Name: FICCADENTI WAGGONER AND CASTLE STRUCTURAL ENGINEERS

Name: Michael Waggoner California License Number: S3738

Mailing Address: 16969 Von Karmen, Suite 240, Irvine, CA 92614

Telephone: (949) 474-0502 Email: Mwaggoner@fwcse.com

HCAI Special Seismic Certification Preapproval (OSP)

Special Seismic Certification is preapproved under OSP OSP Number: _____

Certification Method

Testing in accordance with: ICC-ES AC156 FM 1950-16

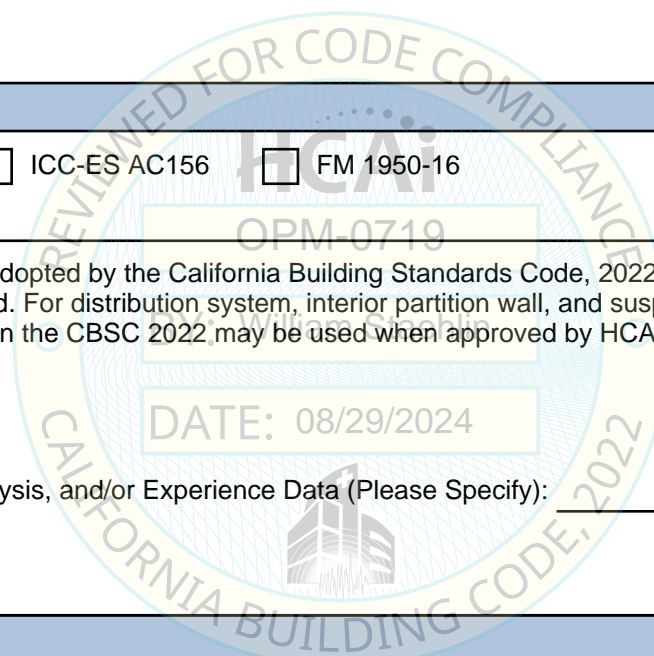
Other(s) (Please Specify): _____

*Use of criteria other than those adopted by the California Building Standards Code, 2022 (CBSC 2022) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2022 may be used when approved by HCAI prior to testing.

Analysis

Experience Data

Combination of Testing, Analysis, and/or Experience Data (Please Specify): _____



HCAI Approval

Date: 8/29/2024

Name: William Staehlin Title: Senior Structural Engineer

Condition of Approval (if applicable): _____

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ABBREVIATIONS:

Table of abbreviations and their corresponding full names, including terms like ANCHOR BOLT, ABOVE, ASPHALT CONCRETE, etc.

SHEET INDEX table with columns for Sheet Number and Sheet Name, listing S0.0 General Notes and S1.1 Structural Floor Plan.

STANDARD STUD IDENTIFICATION (SSMA NOMENCLATURE)

STUD IDENTIFICATION SHALL BE AS SHOWN:

- 1 MEMBER DEPTH: (EXAMPLE 6" = 600/100 INCHES) ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES. FOR ALL "T" SECTIONS, MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION.
2 STYLE: (EXAMPLE: STUD OR JOIST SECTIONS = S) THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATOR SYSTEM ARE: S = STUD, T = TRACK, U = CHANNEL SECTIONS, F = FLURRING CHANNEL SECTIONS
3 FLANGE WIDTH: (EXAMPLE 1'5 1/2" = 162 1/2" INCHES) ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES.
4 MATERIAL THICKNESS: (EXAMPLES: 0.004" = 4 MIL, 1 MIL = 1/1000 INCHES) MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILLS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.

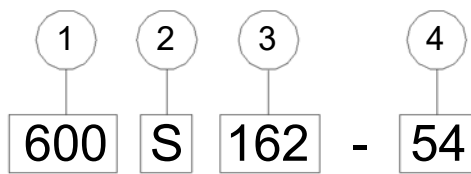
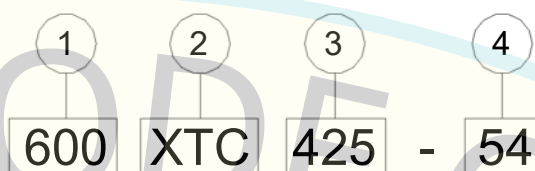


Table with columns: MINIMUM REQUIRED STIFFENING LIP LENGTH, FLANGE WIDTH, MIN STIFFENING LIP LENGTH (IN). Rows include values like 1 1/4", 1 3/8", 1 3/4", 2", 2 1/2", 3".

PRO-X HEADER (NOMENCLATURE)



- 1 MEMBER DEPTH (WIDTH): SEE ADDITIONAL INFORMATION ABOVE. FOR ALL "X" & "XTC" SECTIONS, MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION.
2 STYLE: X = PRO-X OUTER, XT = PRO-X INSERT, XTC = PRO-X COMBO, CLIP = PRO-X CLIP
3 FLANGE WIDTH: SEE ADDITIONAL INFORMATION ABOVE.
4 MATERIAL THICKNESS: SEE ADDITIONAL INFORMATION ABOVE.

POST INSTALLED ANCHOR TEST REQUIREMENTS:

- 1. EXPANSION AND SCREW ANCHORS INTO CONCRETE SHALL BE INSTALLED IN ACCORDANCE WITH THE ICC REPORT AND THE MANUFACTURER'S RECOMMENDATIONS.
2. ACCEPTABLE TEST METHODS (CBC 1910A.5): A. TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST MEET THE TORQUE SPECIFIED IN THE TABLE BELOW WITHIN 1/8" TURN OF THE NUT OR HEAD OR 1/4" TURN OF THE HEAD FOR 3/8" EXPANSION ANCHORS. AFTER INITIAL SEATING OF THE ANCHOR HEAD
TORQUE LOAD (R-6) MIN. EMBED NWC LWC
3/8" EXPANSION ANCHOR: 2 1/2" 30 30
NOTE: TORQUE LOAD AS REQUIRED PER CBC 1910A.5.2
3. TEST FREQUENCY: A. TEST 10% OF ALL ANCHORS INSTALLED INTO THE SILL OF FULL HEIGHT WALLS (CBC 1910A.5.3). TEST 10% OF ALL ANCHORS INSTALLED INTO THE TOP OF FULL HEIGHT WALLS AS IDENTIFIED ON THE DRAWINGS (CBC 1910A.5.3). (EXCEPT FOR 2) B. TEST 50% OF ALL ANCHORS AT ALL OTHER LOCATIONS (CBC 1910A.5.3)
4. IF AN ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE INSTALLED BY THE SAME TRADE AND NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY (CBC 1910A.5.1)

GENERAL NOTES:

- 1. THIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2022. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC22.
2. THESE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
3. GENERAL NOTES AND TYPICAL DETAILS APPLY TO THE DRAWINGS UNLESS OTHERWISE NOTED. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THESE GENERAL NOTES AND TYPICAL DETAILS.
4. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES, AND VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE ARCH. OF ANY DISCREPANCIES OR INCONISTENCIES. DO NOT SCALE DRAWINGS.
5. FIELD SUBSTITUTION OF STEEL MATERIALS AND FASTENERS ARE NOT ALLOWED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
6. CONTRACTOR SHALL PROVIDE STATEMENT OF RESPONSIBILITY AS REQUIRED BY CBC SECTION 1704.
7. THESE DRAWINGS AND SPECIFICATIONS APPLY TO THE STRUCTURAL ELEMENTS ONLY. ALL OTHER ARCHITECTURAL AND ENGINEERING SPECIFICATIONS, CALCULATIONS, AND JUDGEMENTS CAN BE FOUND IN THE ASSOCIATED PROJECT DOCUMENTS. FINISH TYPES, SIZES, DESIGN CRITERIA, AND ALL OTHER FEATURES ARE DICTATED BY THE PROJECT ENGINEERS AND NOT SELECTED BY NEOPOD SYSTEMS NOR THE STRUCTURAL ENGINEER ASSOCIATED WITH THIS SET OF DRAWINGS AND SPECIFICATIONS.
8. ALL NON-FRAMING COMPONENTS SHOWN IN THESE DRAWINGS ARE PLACEHOLDERS UNTIL SUCH COMPONENTS ARE DESIGNED BY THE PERSPECTIVE LICENSED ENGINEERS FOR THE PROJECT. NON-FRAMING COMPONENTS DESIGNED BY SPECIFIC PROJECT ENGINEERS SHALL SUPERSEDE THE INFORMATION SHOWN IN THESE DRAWINGS.
9. UNIT DEPICTED MAY EXIST AS MIRRORRED VERSION.

TESTS AND INSPECTIONS:

- 1. SPECIAL INSPECTION BY A REGISTERED BUILDING INSPECTOR APPROVED BY THE OWNER AND THE BUILDING DEPARTMENT SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK. SEE PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
A. STRUCTURAL STEEL AND FIELD WELDING.
B. INSTALLATION OF EXPANSION TYPE, SCREW TYPE, AND ADHESIVE TYPE BOLTS IN CONCRETE.
C. WELDING OF LIGHT GAUGE STUDS, JOISTS, AND ACCESSORIES.
D. PERIODIC INSPECTION OF EXTERIOR NON BEARING WALLS IN SEISMIC DESIGN CATEGORY D, E, OR F PER IBC SECTION 1705.12.5

DESIGN CRITERIA:

1. DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

Table with columns: DESIGN LOADS, MAX PDD WEIGHT, MINIMUM INTERNAL PRESSURE, CEILING LIVE LOAD, SHIPPING WIND LOAD.

Table with columns: SEISMIC DESIGN CRITERIA, SPECTRAL ACCELERATION, ELEVATION/BUILDING HEIGHT, SHORT PERIOD ACCELERATION, SEISMIC IMPORTANCE FACTOR, COMPONENT IMPORTANCE FACTOR, AMPLIFICATION FACTOR, COMPONENT RESPONSE MODIFICATION FACTOR, OVERSTRENGTH FACTOR, VERTICAL DEFLECTION LIMIT, BRITTLE FINISHES DEFLECTION LIMIT, FLEXIBLE FINISHES DEFLECTION LIMIT.

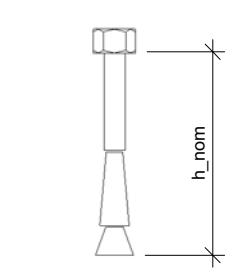
LIGHT GAUGE STEEL:

- 1. ALL WORK SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS: A. AMERICAN IRON AND STEEL INSTITUTE (AISI) DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS. B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
2. ALL STUD AND TRACK MATERIAL TO CONFORM TO THE FOLLOWING: A. 54 MIL AND HEAVIER: 50 KSI MIN YIELD, 65 KSI MIN TENSILE STRENGTH ASTM A1003 STRUCTURAL GRADE 50 TYPE H (S250H) B. 43 MIL AND LIGHTER: 33 KSI MIN YIELD, 45 KSI MIN TENSILE STRENGTH ASTM A1003 STRUCTURAL GRADE 33 TYPE H (S235H)
3. MISCELLANEOUS STEEL TO CONFORM TO THE FOLLOWING: A. 30 MIL TO 43 MIL - 33 KSI MIN YIELD, 45 KSI MIN TENSILE B. 54 MIL TO 118 MIL - 50 KSI MIN YIELD, 65 KSI MIN TENSILE C. 3/16" AND HEAVIER - ASTM A36
4. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR ON AN ANGLE SUCH AS BRACING TO SQUARELY FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
5. ALL STUDS SHALL BE ATTACHED BY SCREWS UNLESS NOTED OTHERWISE. WIRE TYING OF FRAMING COMPONENTS IS NOT PERMITTED.
6. SPLICES IN TOP TRACK ARE REQUIRED WHERE TOP TRACK IS NOT ATTACHED TO A COMMON CONTINUOUS STRUCTURAL MEMBER AND SHALL ACCOMPLISH PER TYPICAL TRACK SPLICE DETAIL UNO.
7. SPLICES IN AXIAL LOADED STUDS OR BRACES ARE NOT PERMITTED. WHERE STUDS ARE BURNED THROUGH BY WELDING, PROVIDE SUITABLE STITCH PLATE OF THE SAME GAUGE.
8. UNLESS NOTED OTHERWISE, ALL TRACKS SHALL MATCH STUD SIZE AND GAUGE.
9. ALL CALCULATED STUD PROPERTIES PER AISI SPECIFICATION ARE BASED ON THE FOLLOWING THICKNESSES: A. 118 MIL (10GA) 0.1242" B. 97 MIL (12GA) 0.1017" C. 88 MIL (14GA) 0.0713" D. 54 MIL (16GA) 0.0566" E. 43 MIL (18GA) 0.0451" F. 33 MIL (20GA) 0.0347"
10. LATERAL BRIDGING FOR STEEL STUDS IS REQUIRED WHEN WALL BOARD INSTALLED IN ACCORD WITH AISI S211 SECTION B1 UNO. BRIDGING SHALL BE INSTALLED IN ACCORD WITH RELATED DETAILS.
11. TRACK SHALL BE PUNCHED WITH SIZE TO MATCH STUD FRAMING UNO.
12. UTILITY PUNCH HOLES IN STUDS SHALL BE LOCATED AWAY FROM CONNECTIONS. THE MINIMUM CLEAR DISTANCE FROM THE PUNCHOUT TO END OF MEMBER SHALL BE 10".
13. WALL STUD BRIDGING SHALL BE INSTALLED IN A MANNER TO PROVIDE RESISTANCE TO BOTH MINOR AXIS BENDING AND ROTATION.
14. AXIAL LOAD BEARING STUDS MUST BE FULLY SEATED INTO THE WALL TRACKS (1/16" MAXIMUM GAP BETWEEN THE STUDS AND TRACK WEBS).
15. OPENINGS IN STUD WEBS OTHER THAN STANDARD HOLES PUNCHED BY THE MANUFACTURER ARE PROHIBITED UNLESS SPECIFICALLY DETAILED.
16. ALL STEEL STUDS AND TRACKS SHALL BE MANUFACTURED BY A STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) MEMBER, A CERTIFIED STEEL STUD ASSOCIATION (CSSA) MEMBER, OR A STEEL FRAMING INDUSTRY ASSOCIATION (SFAI) MEMBER UNLESS NOTED OTHERWISE. THE STEEL STUDS AND TRACKS SHALL ALSO CONFORM TO THE 2007 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS.
17. THESE DRAWINGS ASSUME THAT THE PRIMARY STRUCTURE INCLUDING ELEMENTS SUCH AS ROOF EDGE CLOSURES, SLAB CLOSURES, GIRTS, AND OTHER ELEMENTS INTENDED TO SUPPORT AND RESIST LOADS PRODUCED BY THE EXTERIOR FRAMING SYSTEM HAVE BEEN ADEQUATELY DESIGNED FOR THIS PURPOSE UNLESS SPECIFICALLY NOTED.
18. SCREWS MAY BE INSTALLED IN EITHER DIRECTION FROM THINNER PART TO THICKER PART UNO.

Table with columns: CONNECTOR TYPE, SUBSTRATE, DESCRIPTION, PRODUCT, NOTED ON PLANS AS, GRAPHIC. Rows include screws, low velocity fasteners, and mechanical anchors.

FASTENERS AND CONNECTORS:

- 1. SEE PLANS FOR LOCATIONS AND QUANTITY OF CONNECTIONS.
2. ALL FASTENERS SHALL BE THE MIN SIZE AND EMBEDMENTS OF THE ABOVE CHART UNO IN THE PLANS.
3. ALL FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE NOTED ESR REPORT AND THE REQUIREMENTS OF THE GOVERNING AUTHORITY.
4. SCREWS LISTED IN THE ABOVE CHART SHALL BE SUFFICIENT LENGTH TO ENSURE PENETRATION INTO STEEL STUD BY AT LEAST 3 FULL DIAMETER THREADS.
5. FOR MECHANICAL ANCHORS, THE EMBEDMENTS LISTED IN THE ABOVE CHART IS THE HTE NOMINAL EMBEDMENT, h_nom, AS IN THIS DIAGRAM.



- 6. WHERE LVF ARE INSTALLED INTO STEEL GREATER THAN 1/2" THICK WHERE THE TIP OF FASTENER CANNOT PENETRATE THE STEEL, PROVIDE A MIN 1/2" POINT PENETRATION INTO STEEL.
7. SCREWS MAY BE INSTALLED IN EITHER DIRECTION FROM THINNER PART TO THICKER PART UNO.



7850 Old Bastrop Road, New Braunfels, TX 78130 (954) 603-3100 neopodsystems.com

STRUCTURAL ENGINEER:



HCAI APPROVAL:

REVISIONS:

Table with columns: NO, DESCRIPTION, DATE. Contains multiple empty rows for revisions.

CLIENT NAME:

PROJECT NAME:

CA BPR83

SHEET NAME:

General Notes

PROJECT NUMBER:

DATE: 8/22/2024

CHECKED BY:

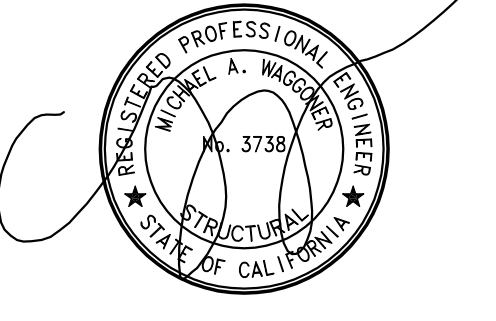
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SHEET NUMBER:

S0.0

STRUCTURAL ENGINEER:



HCAI APPROVAL:

REVISIONS:

NO.	DESCRIPTION	DATE

CLIENT NAME:

PROJECT NAME:
 CA BPR83

SHEET NAME:
 Structural Floor Plan

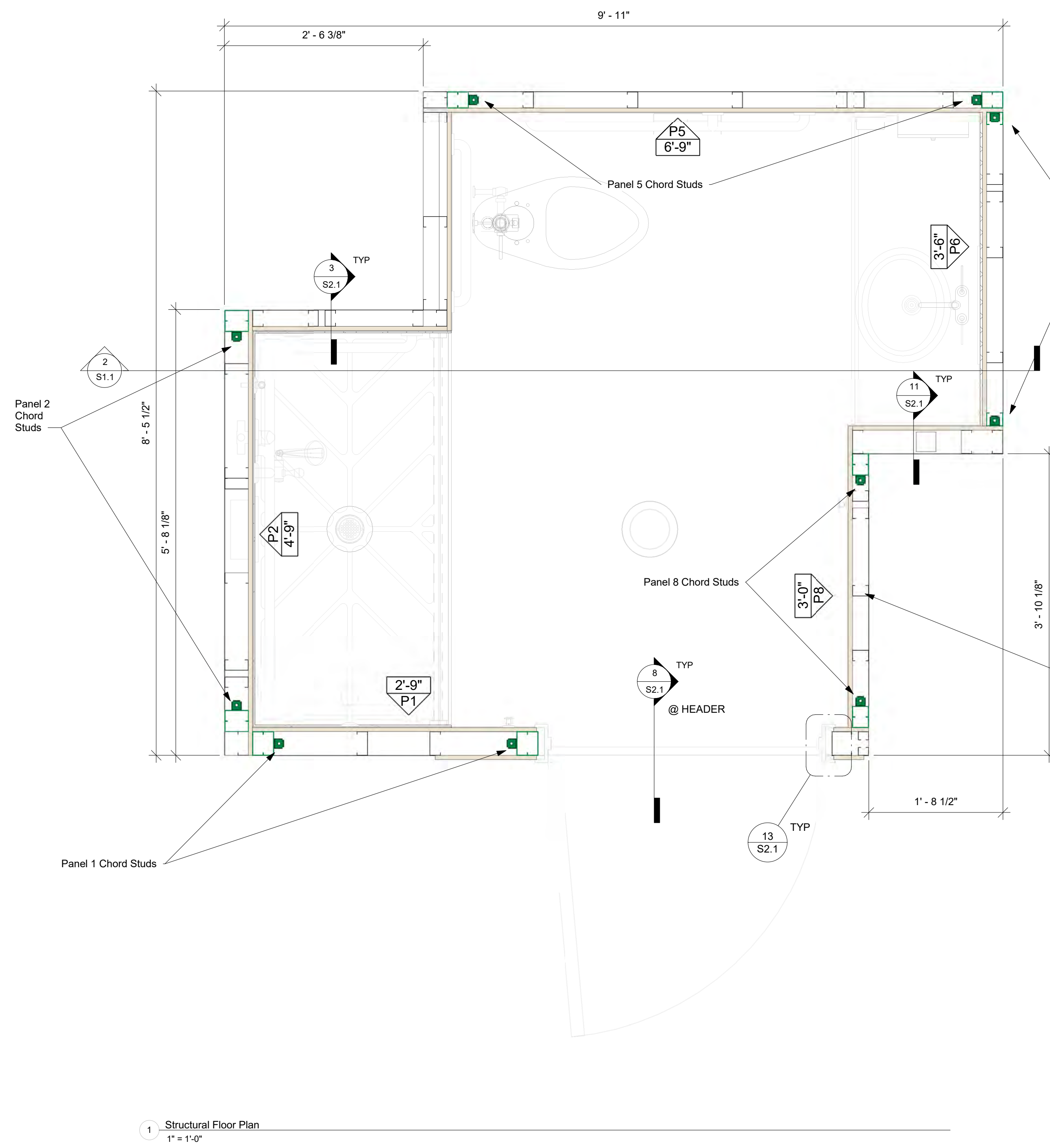
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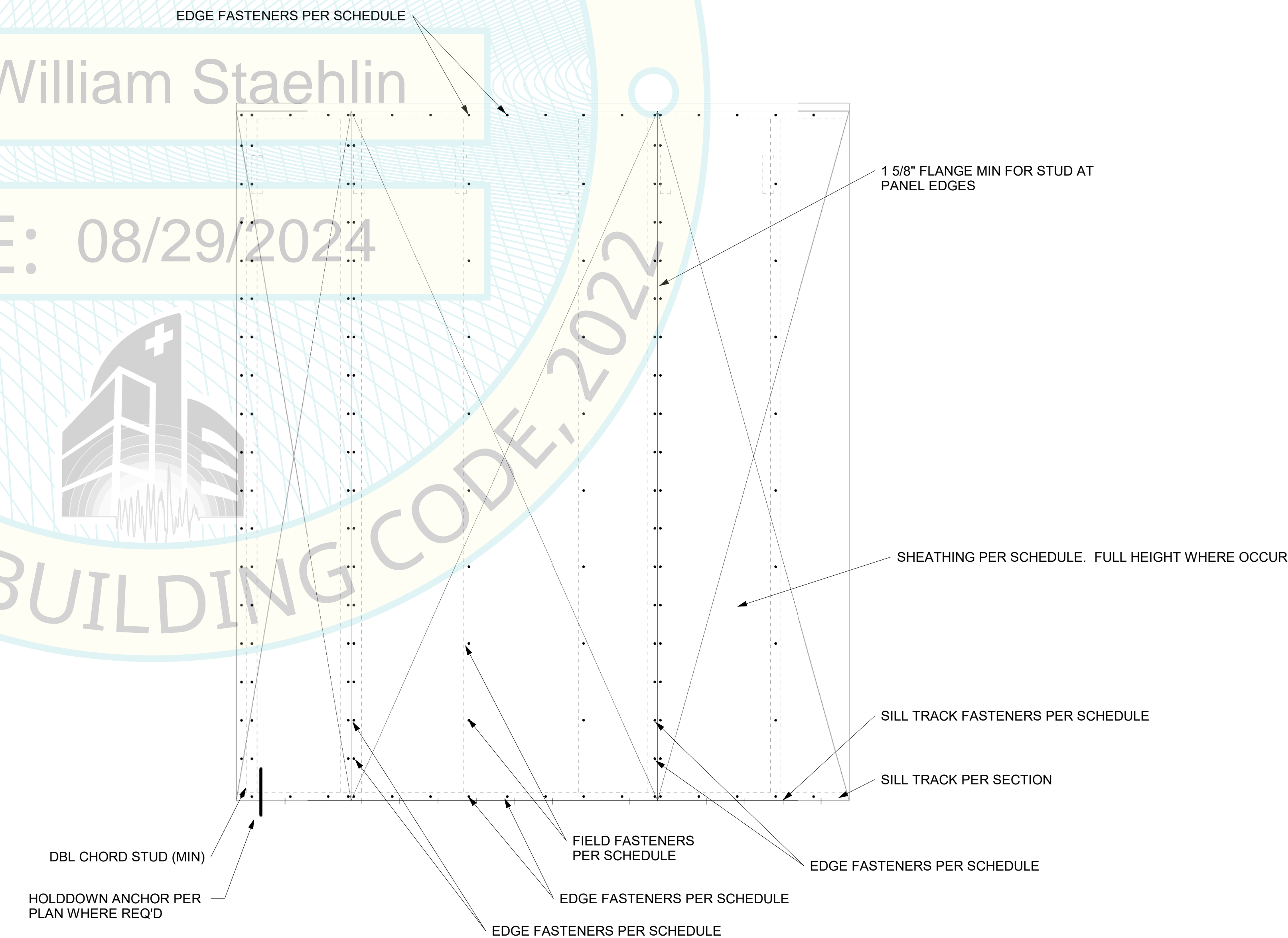
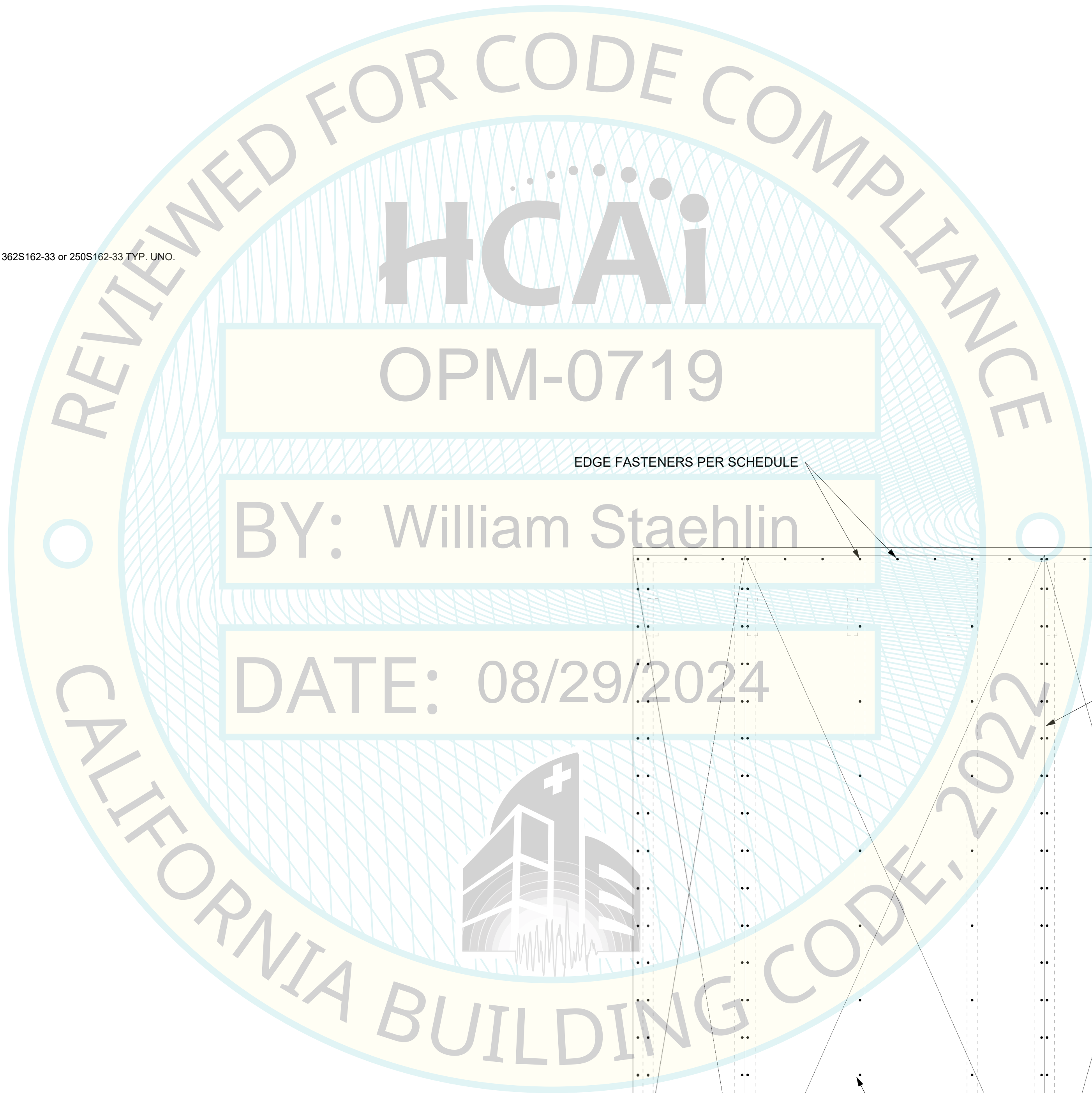
SHEET NUMBER:

S1.0

- NOTE:
 1. SEE SHEET S2.0 FOR SCHEDULES
 2. SEE SHEET S2.1 FOR DETAILS
 3. SEE DETAIL 2/S1.0 FOR SHEAR WALL DETAIL



1 - Structural Floor Plan
 1" = 1'-0"



- NOTES:
 1. SCREWS IN THE FIELD SHALL BE INSTALLED @ 12" OC.
 2. PANEL EDGES BLOCKED WHERE EXISTS. PANELS SHOULD BE INSTALLED VERTICALLY.
 3. EDGE SCREW MULTIPLE STUDS AT HOLDDOWNS PER PANEL EDGE FASTENERS SCHEDULE UNO.
 4. VERIFY STUD GAUGE W/ PLAN SCHEDULES. NOTIFY ENGINEER IF A DISCREPENCY OCCURS.
 5. BUILD DOUBLE STUDS PER 16/S2.1

2 - Shear Wall
 1" = 1'-0"

SDS	Light Weight Concrete		Normal Weight Concrete		Sheathing	Chords	Blocking Required
	% Height (z/h)	Holddown	% Height (z/h)	Holddown			
1.75	NA	HTT4	NA	HTT4	0.030" 2/12	(2) 3625162-33	YES
1.6	NA	HTT4	NA	HTT4			
1.5	NA	HTT4	NA	HTT4			
1.3	NA	HTT4	NA	HTT4			
1.2	NA	S/HDU4	NA	HDU4	0.030" 6/12	3625250-54 or (2) 3625162-33	
1	NA	S/HDU4	NA	HDU4			
0.85	NA	S/HDU4	NA	HDU4	0.030" 6/12	3625250-54 or (2) 3625162-33	NO
0.75	NA	S/HDU4	NA	HDU4			
0.55	NA	S/LTT20	NA	S/LTT20			
0.35	NA	S/LTT20	80%	S/LTT20			
0.25	50%	S/LTT20	100%	S/LTT20			

1 PANEL 1 SCHEDULE

SDS	Light Weight Concrete		Normal Weight Concrete		Sheathing	Chords	Blocking Required
	% Height (z/h)	Holddown	% Height (z/h)	Holddown			
1.75	NA	S/LTT20	NA	S/LTT20	GYP-4/12	3625200-43	YES
1.6	NA	S/LTT20	NA	S/LTT20			
1.5	NA	S/LTT20	NA	S/LTT20			
1.3	NA	S/LTT20	40%	S/LTT20			
1.2	NA	S/LTT20	40%	S/LTT20	GYP-8/12	3625162-43	
1	NA	S/LTT20	70%	S/LTT20			
0.85	NA	S/LTT20	100%	S/LTT20			
0.75	50%	S/LTT20	100%	S/LTT20	GYP-4/12	3625200-33	NO
0.55	80%	S/LTT20	100%	S/LTT20			
0.35	100%	S/LTT20	100%	S/LTT20			
0.25	100%	S/LTT20	100%	S/LTT20			

2 PANEL 2 SCHEDULE

SDS	Light Weight Concrete		Normal Weight Concrete		Sheathing	Chords	Strap Fasteners
	% Height (z/h)	Holddown	% Height (z/h)	Holddown			
1.75	NA	S/LTT20	NA	S/LTT20	2" X 43 MIL STRAPPING	2505162-68 or (2) 2505162-33	(6) #8 SMS
1.6	NA	S/LTT20	40%	S/LTT20			
1.5	NA	S/LTT20	50%	S/LTT20			
1.3	NA	S/LTT20	70%	S/LTT20			
1.2	NA	S/LTT20	80%	S/LTT20	2" X 33 MIL STRAPPING	2505162-54	
1	40%	S/LTT20	100%	S/LTT20			
0.85	60%	S/LTT20	100%	S/LTT20			
0.75	70%	S/LTT20	100%	S/LTT20	2" X 33 MIL STRAPPING	2505162-43	(5) #8 SMS
0.55	100%	S/LTT20	100%	S/LTT20			
0.35	100%	S/LTT20	100%	S/LTT20			
0.25	100%	S/LTT20	100%	S/LTT20			

5 PANEL 5 SCHEDULE

SDS	Light Weight Concrete		Normal Weight Concrete		Sheathing	Chords	Strap Fasteners
	% Height (z/h)	Holddown	% Height (z/h)	Holddown			
1.75	NA	S/LTT20	50%	S/LTT20	2" X 33 MIL STRAPPING	2505162-54	(5) #8 SMS
1.6	NA	S/LTT20	60%	S/LTT20			
1.5	NA	S/LTT20	70%	S/LTT20			
1.3	NA	S/LTT20	90%	S/LTT20			
1.2	NA	S/LTT20	100%	S/LTT20			
1	NA	S/LTT20	100%	S/LTT20	2" X 33 MIL STRAPPING	2505162-43	(4) #8 SMS
0.85	NA	S/LTT20	100%	S/LTT20			
0.75	NA	S/LTT20	100%	S/LTT20			
0.55	NA	S/LTT20	100%	S/LTT20			
0.35	70%	S/LTT20	100%	S/LTT20			
0.25	100%	S/LTT20	100%	S/LTT20			

6 PANEL 6 SCHEDULE

SDS	Light Weight Concrete		Normal Weight Concrete		Sheathing	Chords	Strap Fasteners
	% Height (z/h)	Holddown	% Height (z/h)	Holddown			
1.75	NA	HTT4	NA	HTT4	2" X 54 MIL STRAPPING	(2) 2505162-43	(6) #12 SMS
1.6	NA	HTT4	NA	HTT4			
1.5	NA	S/HDU4	NA	HDU4			
1.3	NA	S/HDU4	NA	HDU4			
1.2	NA	S/HDU4	NA	HDU4	2" X 54 MIL STRAPPING	(2) 2505162-33	
1	NA	S/HDU4	NA	HDU4			
0.85	NA	S/HDU4	NA	HDU4	2" X 54 MIL STRAPPING	(2) 2505162-33	(5) #10 SMS
0.75	NA	S/LTT20	NA	S/LTT20			
0.55	NA	S/LTT20	40%	S/LTT20			
0.35	NA	S/LTT20	100%	S/LTT20			
0.25	70%	S/LTT20	100%	S/LTT20			

8 PANEL 8 SCHEDULE

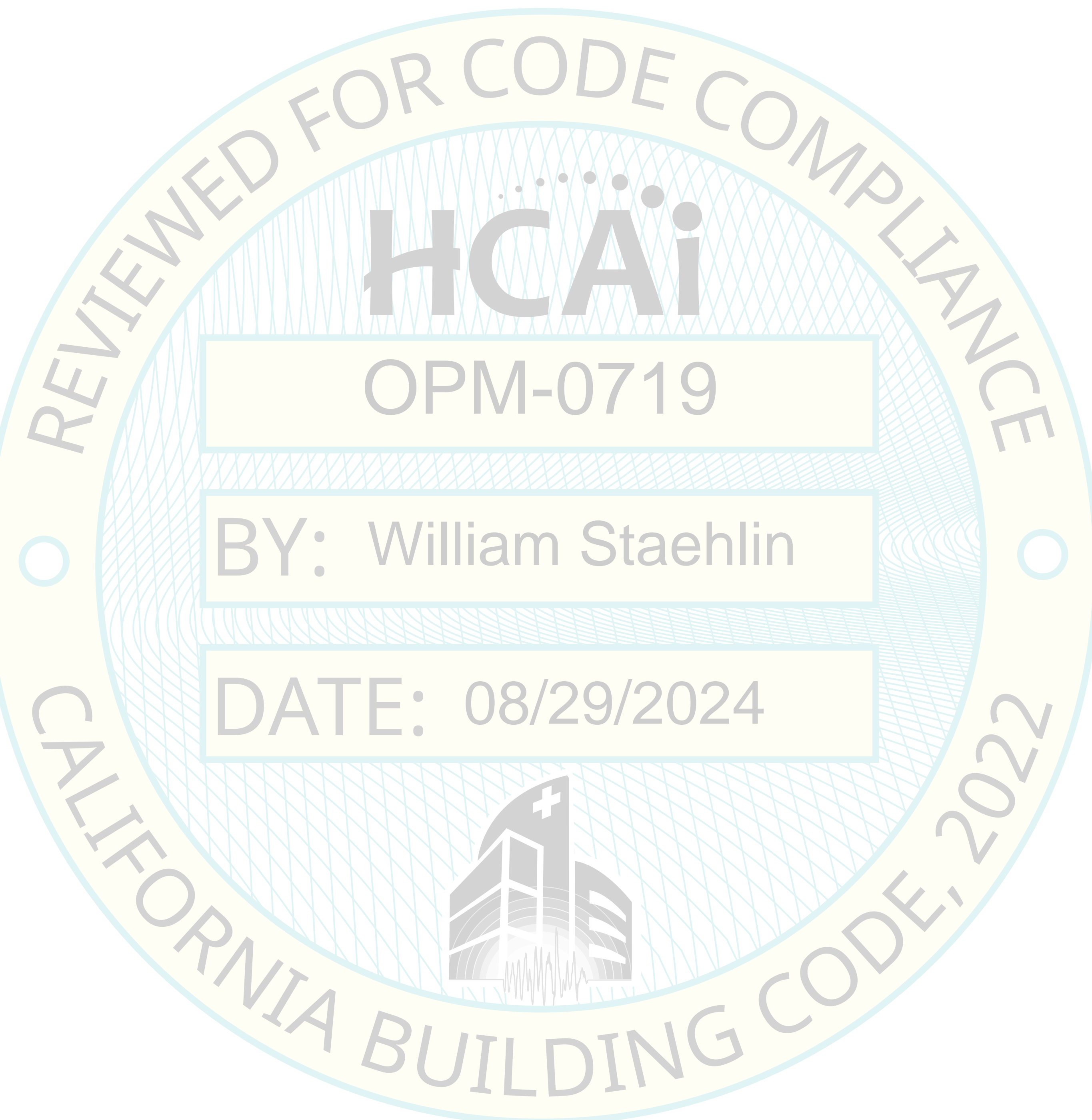
Sheathing Callout	Sheathing	Edge Spacing	Field Spacing	MIN Screw Size
GYP 8/12	1/2" Gypsum Board	8"	12"	#6
GYP 4/12	1/2" Gypsum Board	4"	12"	#6
0.030" 4/12	0.030" Steel Sheet	4"	12"	#8
0.030" 2/12	0.030" Steel Sheet	2"	12"	#8
0.033" 4/12	0.033" Steel Sheet	4"	12"	#8


S SHEATHING SCHEDULE

Holddown Callout	Stud Fasteners	Anchor/Bolt Diameter	Anchor Nominal Embedment
S/LTT20	(8) #10	1/2"	2 1/2"
S/DTT22	(8) #14	1/2"	2 1/2"
S/HDU4	(6) #14	5/8"	Thru-Bolt
HTT4	(18) #10	5/8"	Thru-Bolt

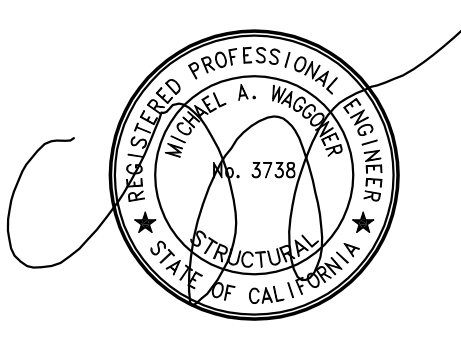
A ANCHOR SCHEDULE

- PANEL SCHEDULE NOTES:
- "% HEIGHT" IS THE ELEVATION WITHIN THE STRUCTURE VERSUS THE TOTAL STRUCTURE HEIGHT (ZH). WHERE "NA" INDICATES "NA", THROUGH BOLTS ARE REQUIRED.
 - "% HEIGHT" INDICATES WHAT BUILDING ELEVATION IS PERMITTED FOR ANCHORS (EX. FOR A 100FT BUILDING, 70% MEANS ANCHORS ARE PERMITTED AT FLOORS AT OR BELOW 70FT). UNITS INSTALLED ABOVE THE INDICATED ELEVATION MUST USE THROUGH BOLTS.
 - REFER TO SHEATHING SCHEDULE FOR SHEATHING TYPE AND FASTENER SPACING.
 - DOUBLE STUDS MAY BE BOXED OR BACK-TO-BACK.
 - REFER TO ANCHOR SCHEDULE FOR REQUIRED ANCHOR OR THROUGH BOLT SIZES.
 - ANY GYPSUM BOARD SHEATHING MAY BE REPLACED WITH 0.030" STEEL SHEET WITH 4/12 EDGE/FIELD SPACING WITHOUT BLOCKING.
 - 0.030" STEEL SHEATHING WITH 6/12 EDGE/FIELD SPACING MAY BE REPLACED WITH 0.033" STEEL SHEET WITH 4/12 EDGE/FIELD SPACING WITHOUT BLOCKING.
 - ALL FASTENER SPACING IN SCHEDULE ARE MINIMUM SPACING REQUIRED. CLOSER SPACING IS PERMITTED.
 - FOR HOLD-DOWN DETAILS, SEE 12/52.1




 7850 Old Bastrop Road, New Braunfels, TX 78130
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STRUCTURAL ENGINEER:



HCAI APPROVAL:

REVISIONS:

NO.	DESCRIPTION	DATE

CLIENT NAME:

PROJECT NAME:
CA BPR83

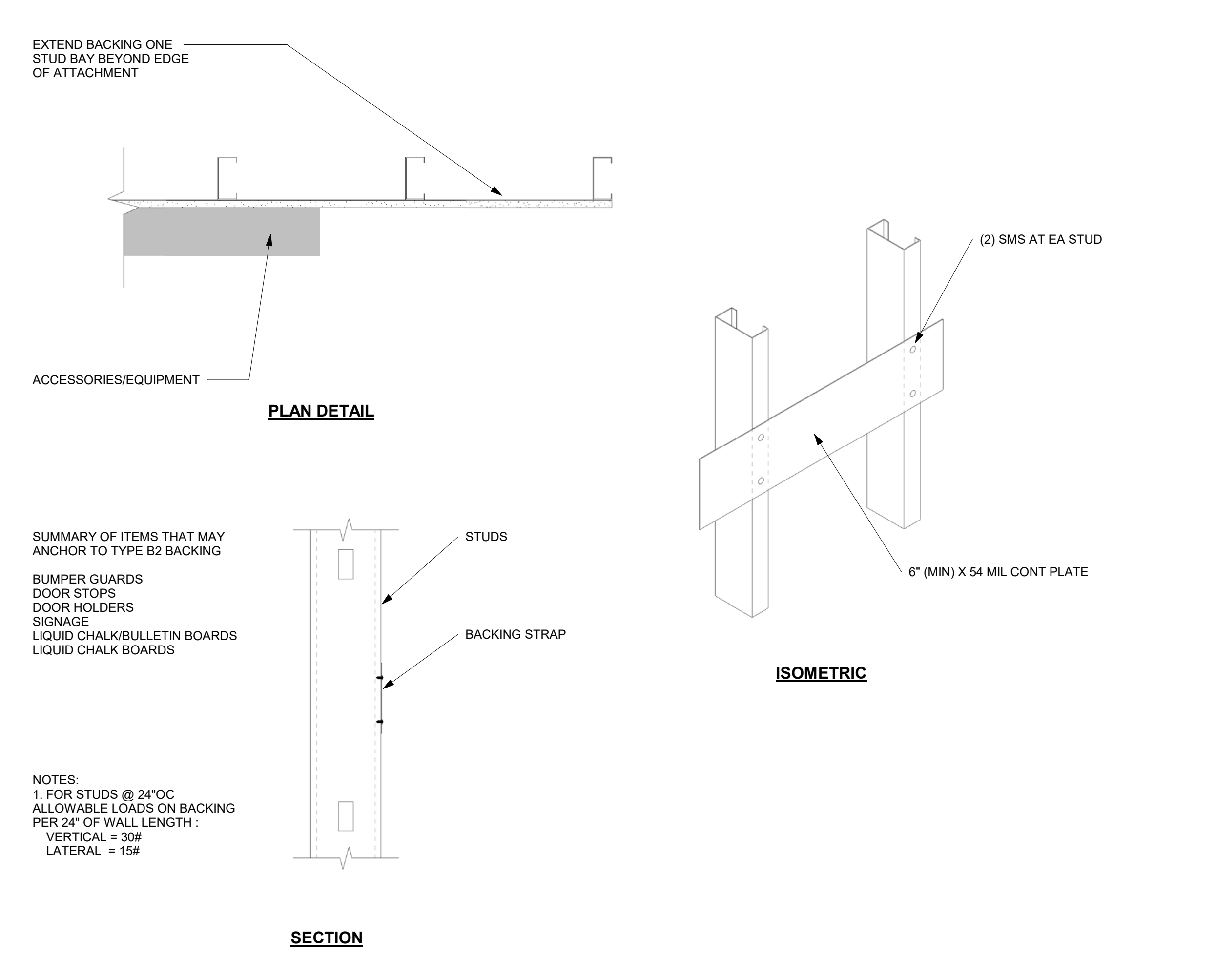
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Additional Details

PROJECT NUMBER: DATE: 8/22/2024

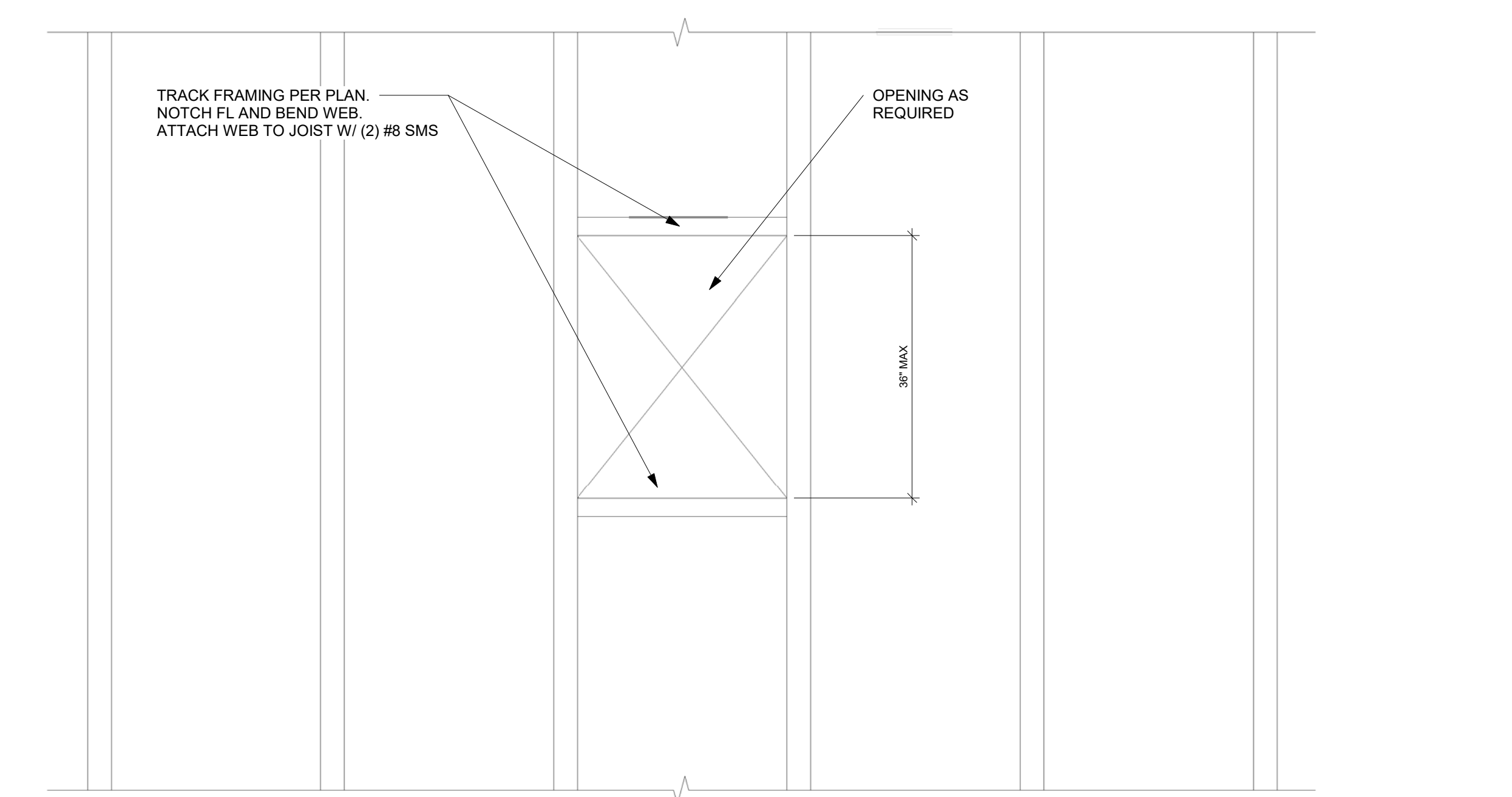
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Author

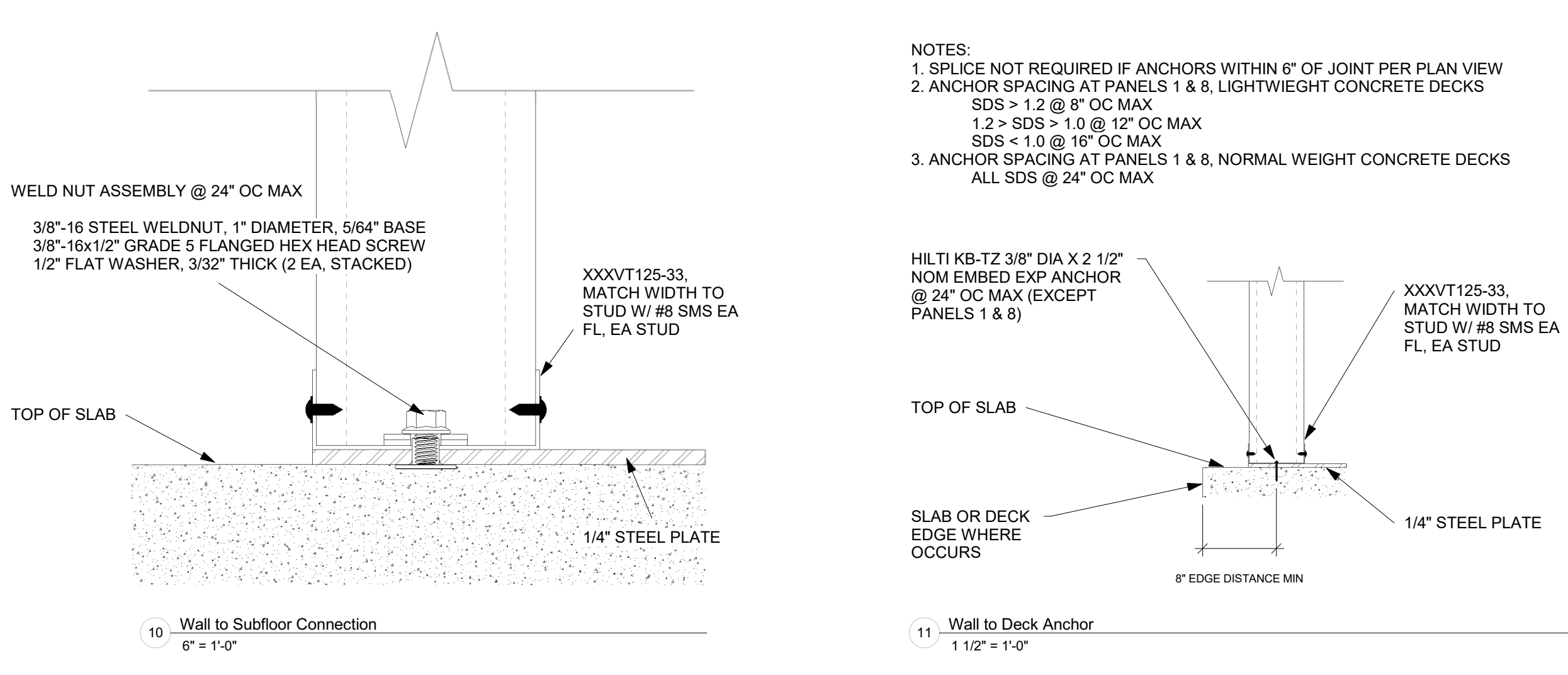
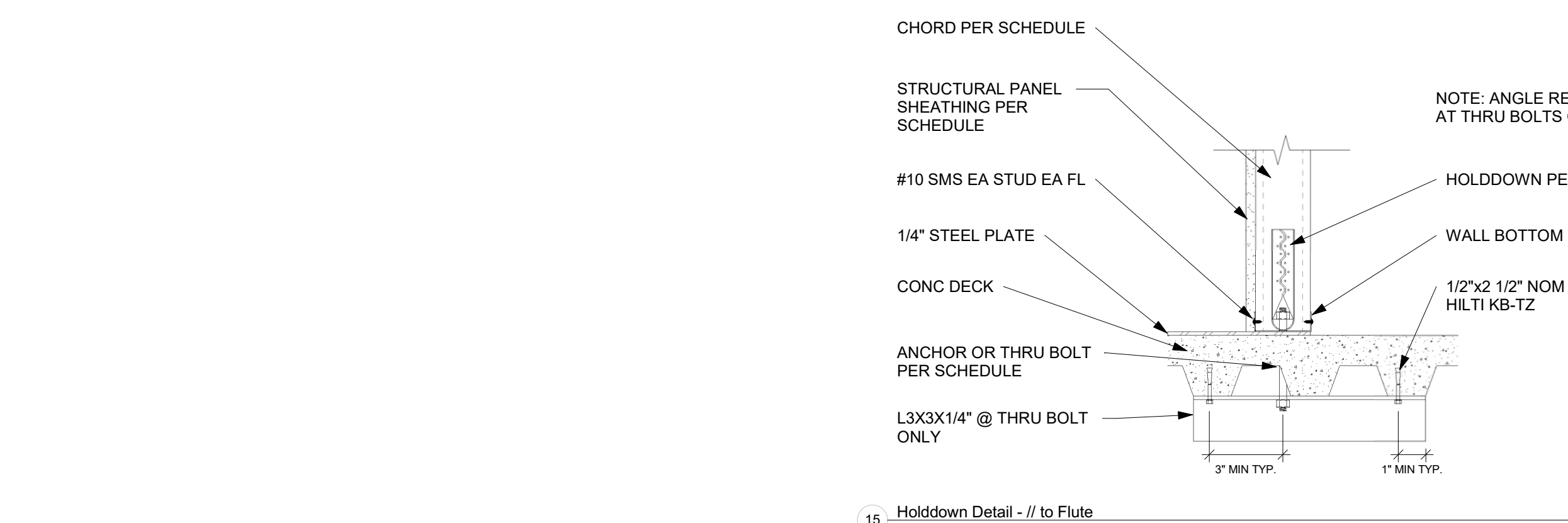
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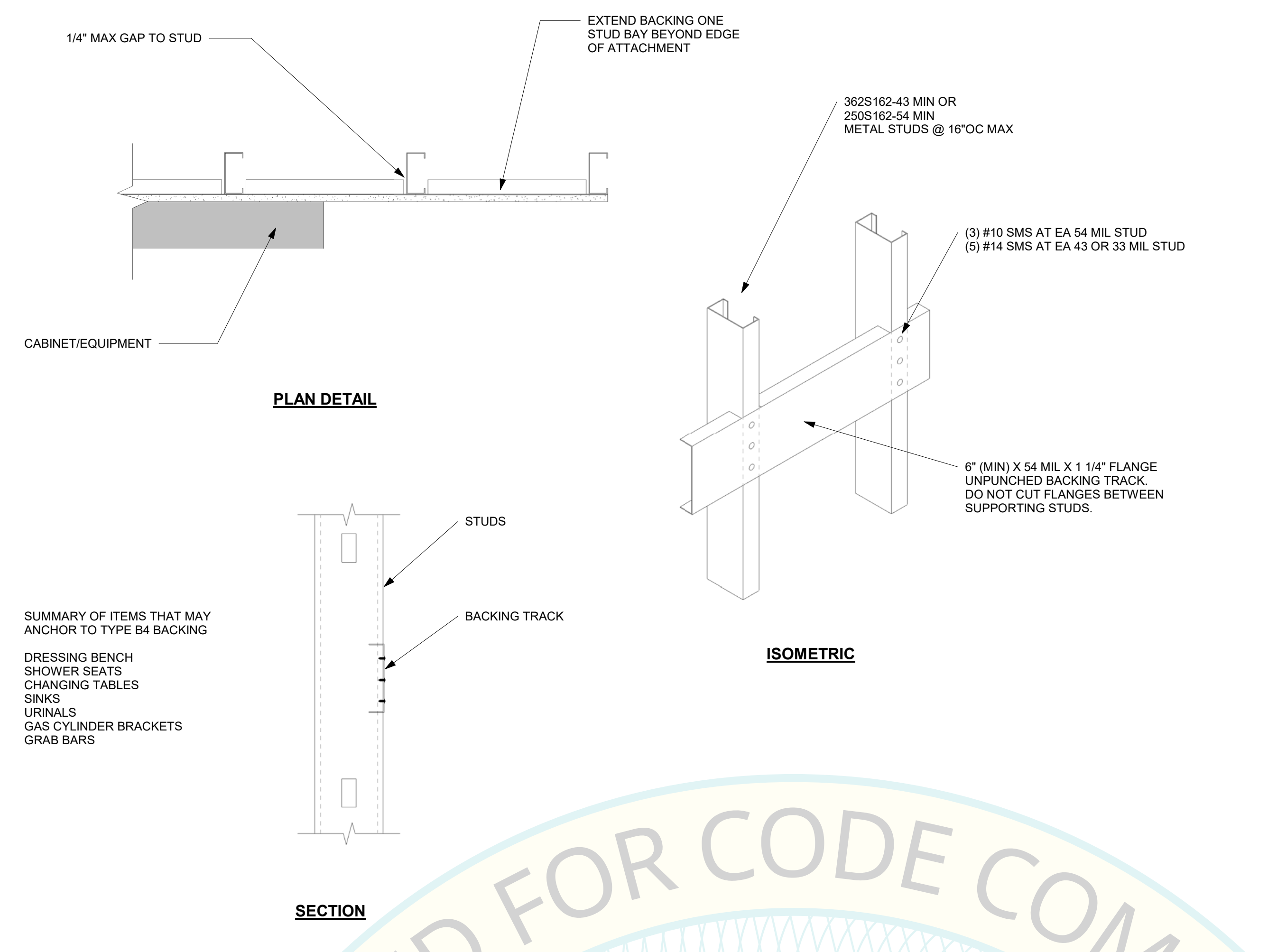
1 Backing - Flattrap
1 1/2" = 1'-0"



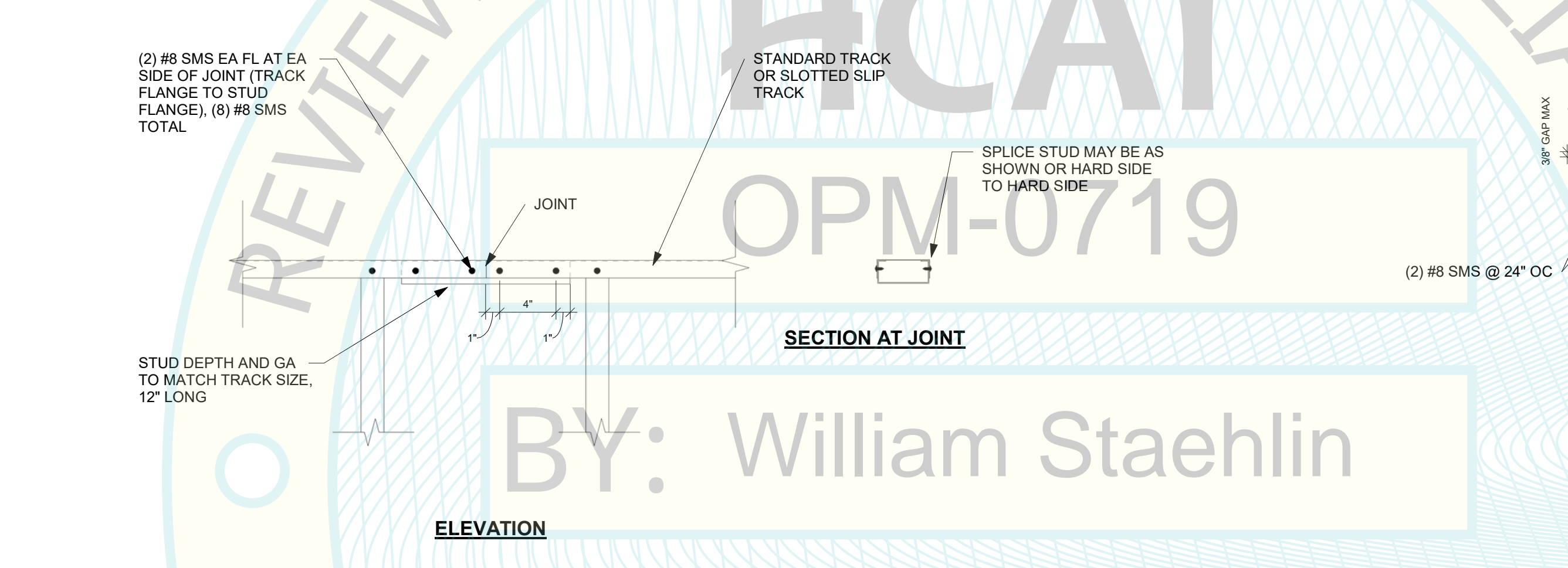
9 Small Opening in Ceiling
1 1/2" = 1'-0"



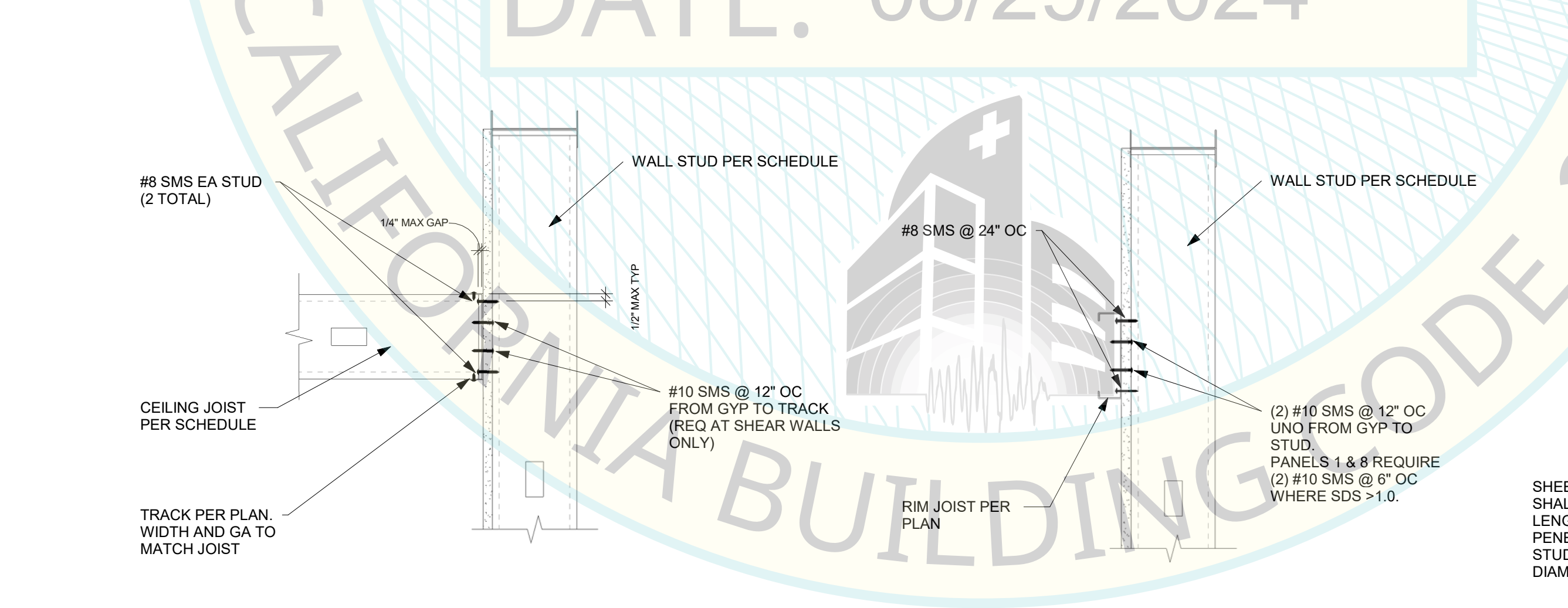
10 Wall to Subfloor Connection
6" = 1'-0"



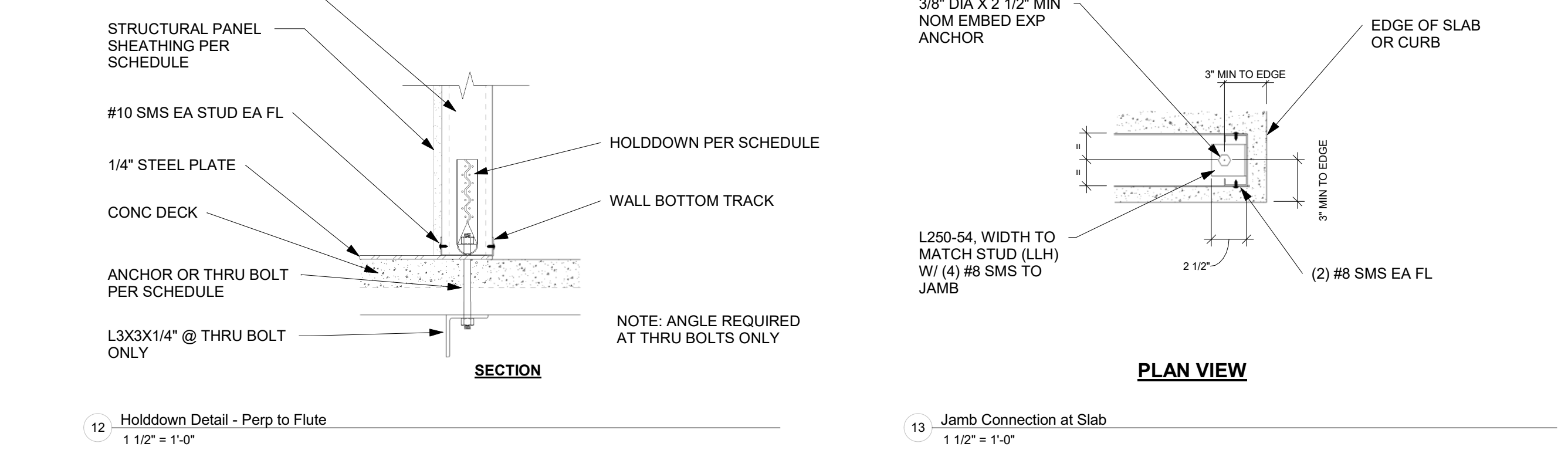
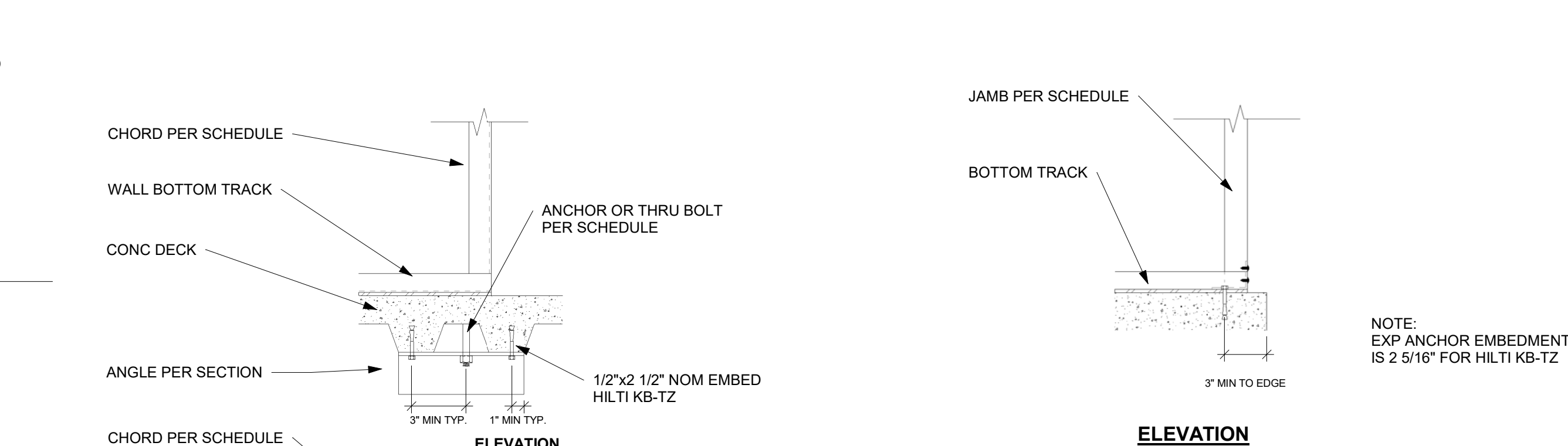
2 Backing - Notch Track
1 1/2" = 1'-0"



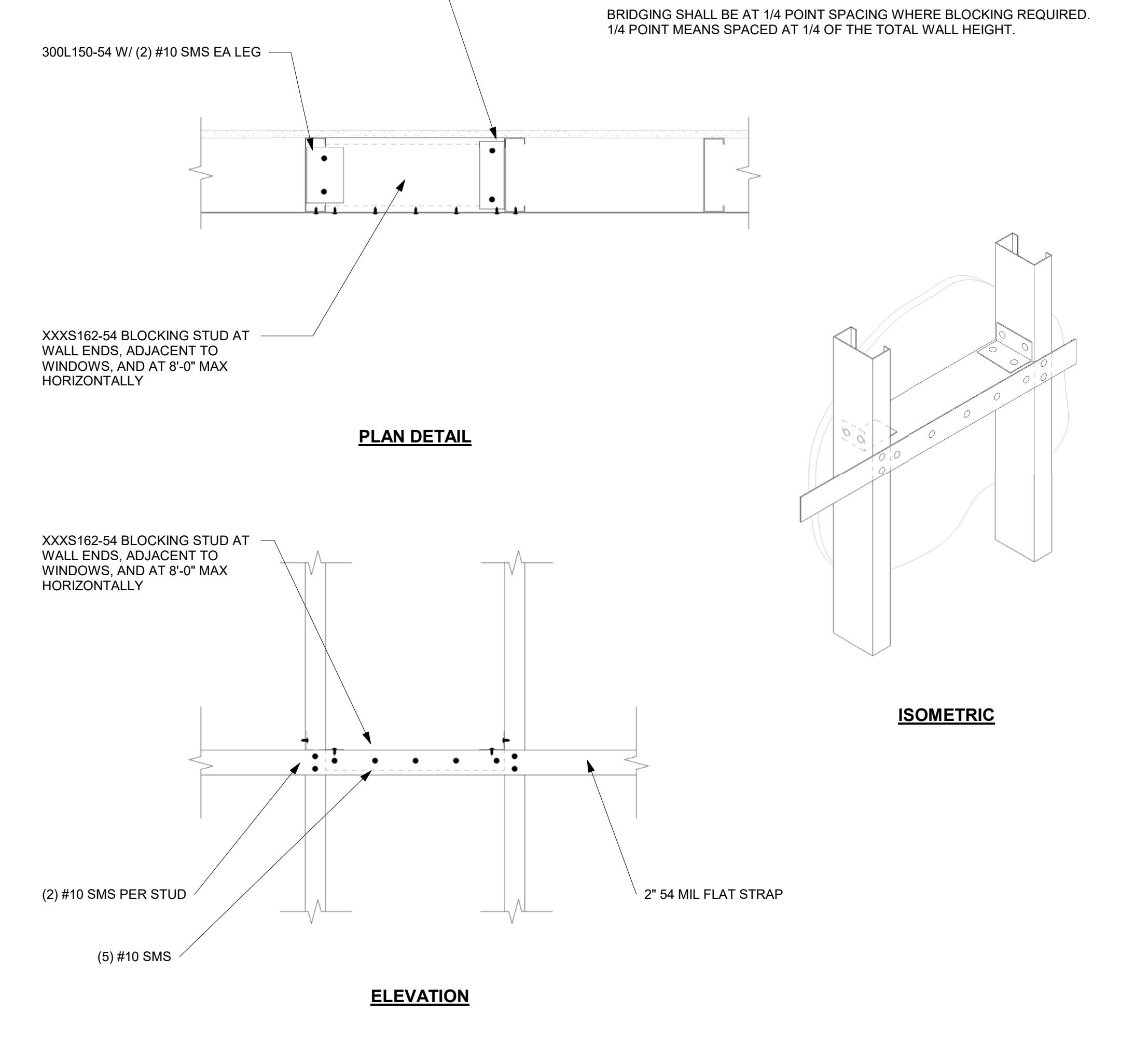
4 Track Splice
1 1/2" = 1'-0"



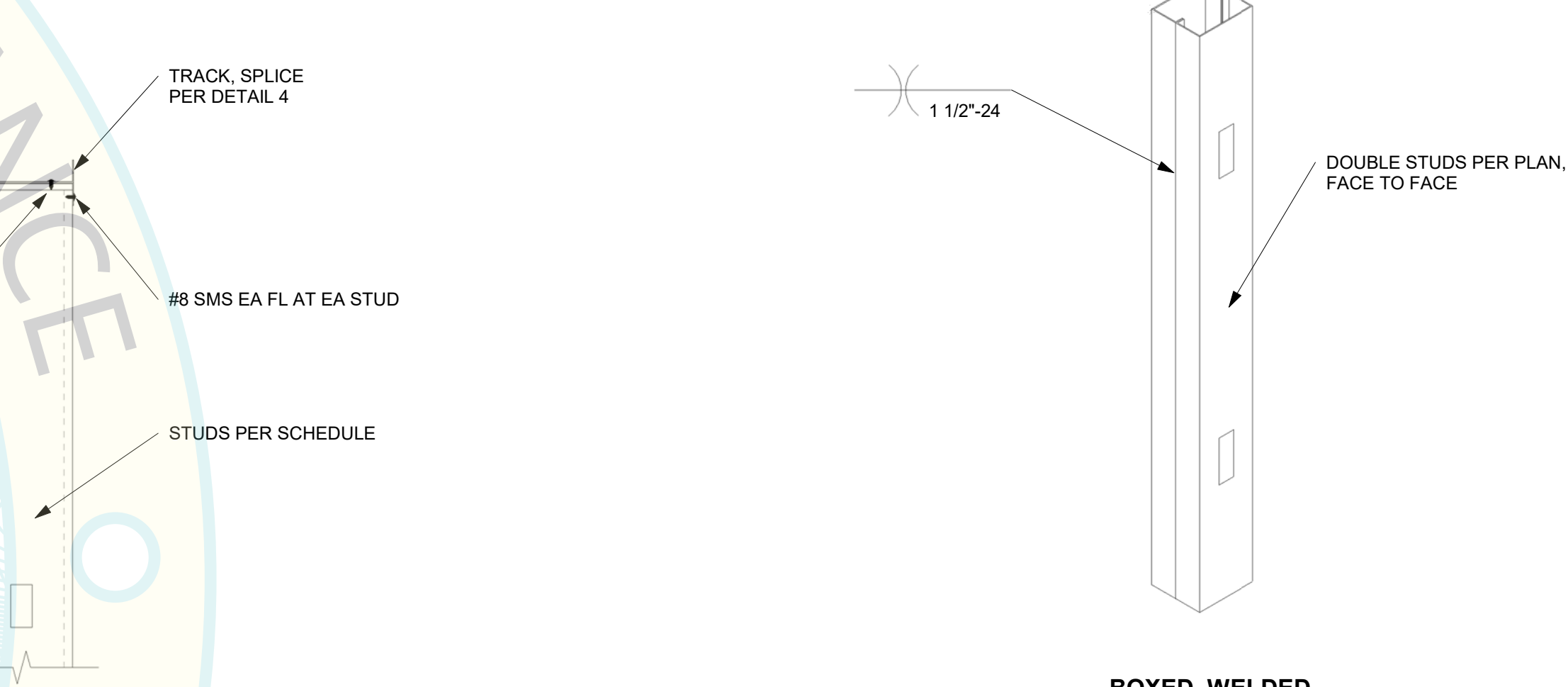
6 Ceiling Track to Wall
1 1/2" = 1'-0"



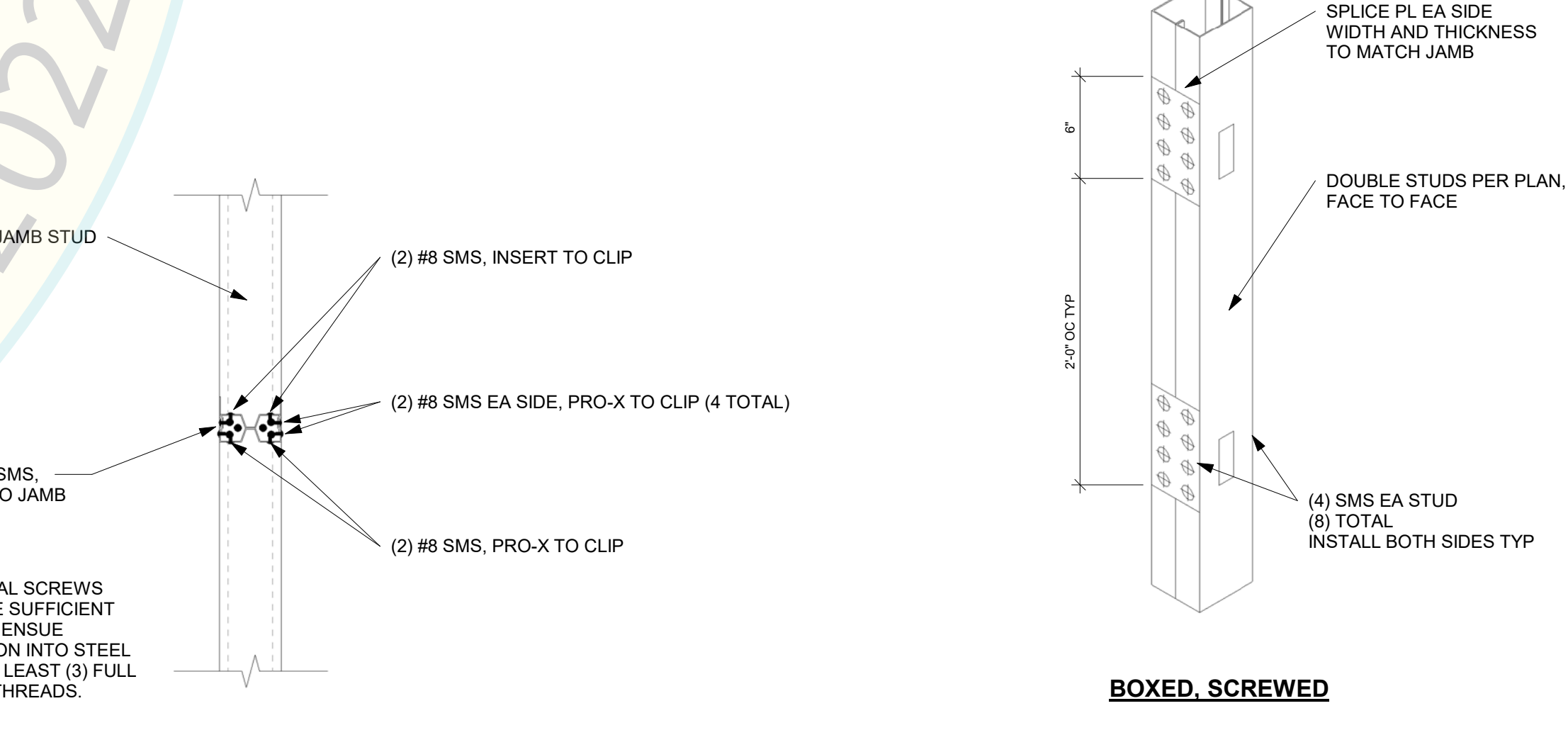
12 Holddown Detail - Perp to Flute
1 1/2" = 1'-0"



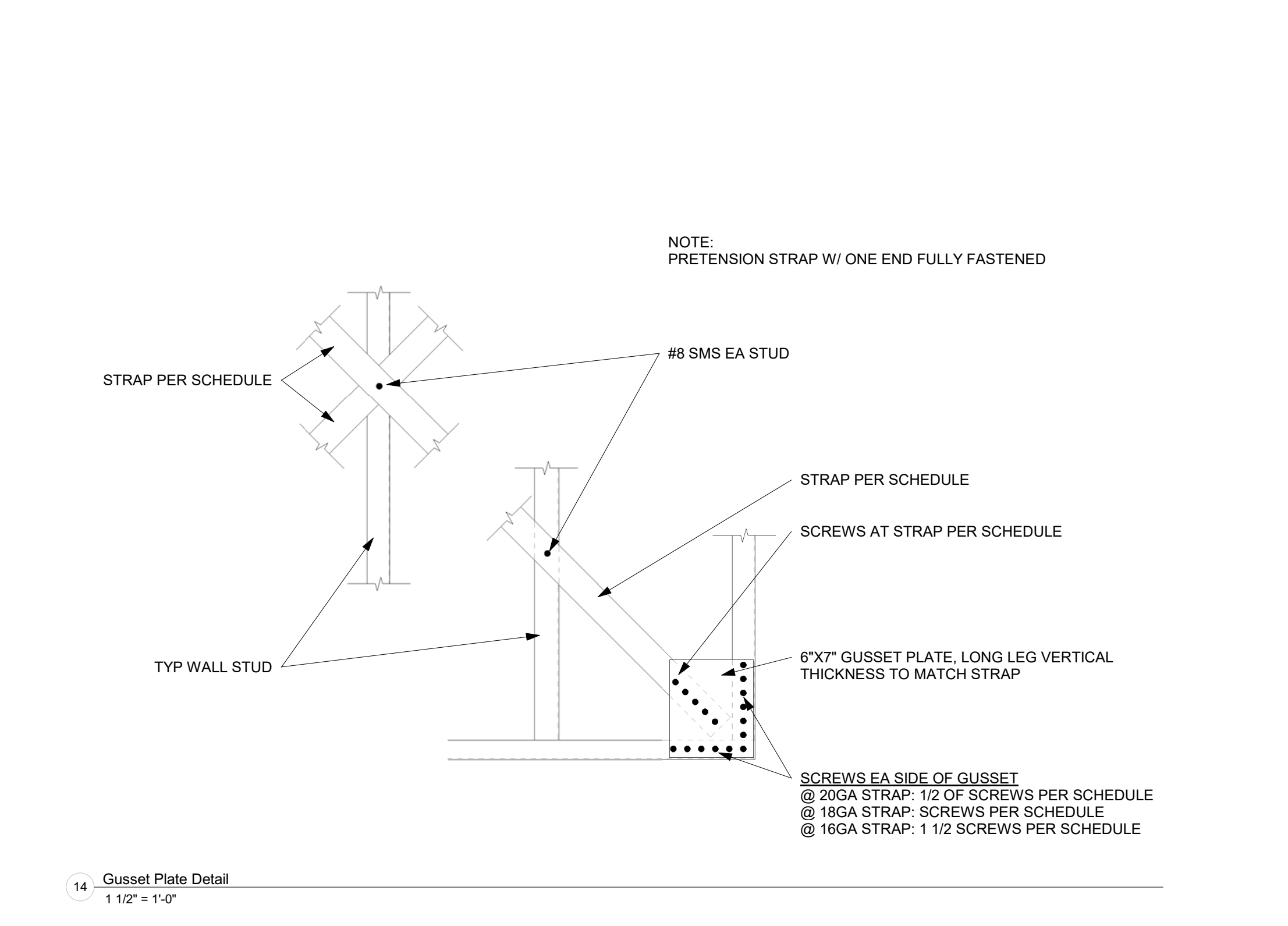
3 Blocking
1 1/2" = 1'-0"



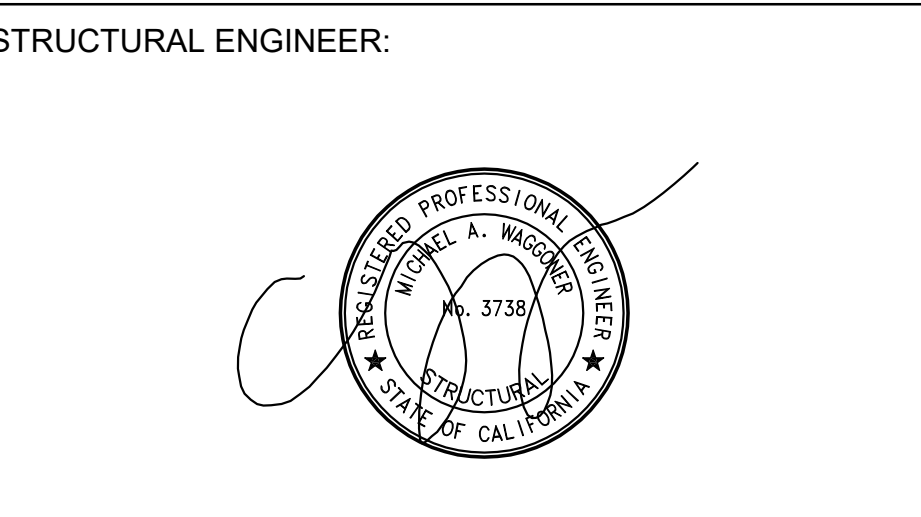
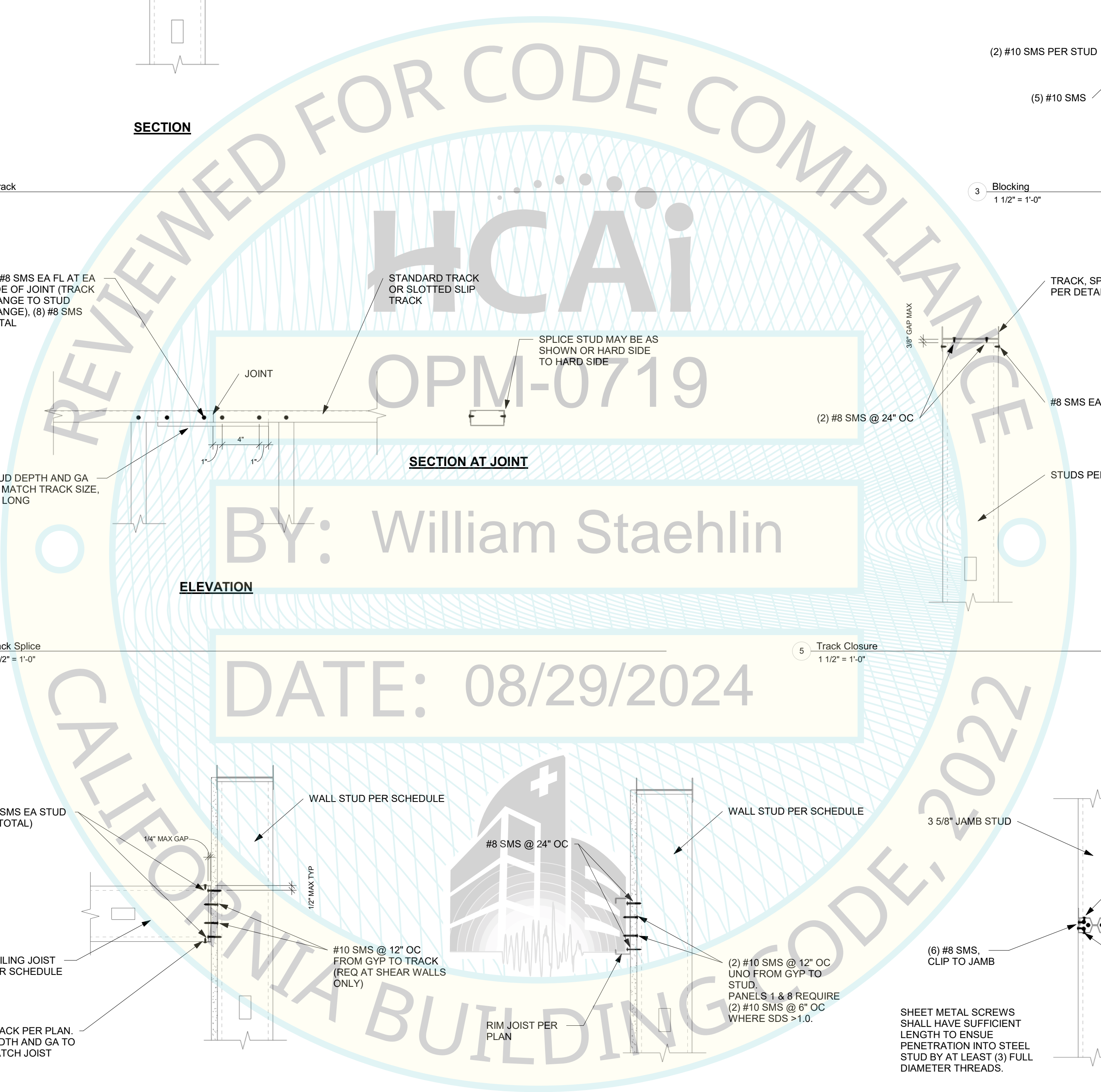
5 Track Closure
1 1/2" = 1'-0"



8 PRO-X Header w/ Insert to Jamb
1 1/2" = 1'-0"



14 Gusset Plate Detail
1 1/2" = 1'-0"



HCAI APPROVAL:

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SHEET NAME: Additional Details

PROJECT NUMBER: _____ DATE: 8/22/2024

CHECKED BY: Author DRAWN BY: Checker

SHEET NUMBER: S2.1

8/22/2024 11:46:05 AM