

**Project:** **OAHS Multi-Use Room Building**  
**Project No. 2-2022-02-22-01**  
 Orcutt Academy High School  
 610 Pinal Ave, Orcutt, CA 93455

**Owner:** Orcutt Union School District  
 500 Dyer Street  
 Orcutt, CA 93455

**Architect:** 19six Architects  
 560 Higuera Street, Suite C  
 San Luis Obispo, CA 93401

**Construction Manager:** TELACU Construction Management  
 604 N. Eckhoff Street  
 Orange, CA 92868

**BID ADDENDUM 07**

**Revision:** **May 19, 2022**

*Note: The following revisions and clarifications to the Bid Documents (plans and specifications) shall become a part of the Contract Documents upon award of Bid. All Bidders are required to incorporate all necessary changes, additions, or deductions into their proposals.*

*In case of conflict between Bid Documents and this Addendum, this Addendum shall govern. Bidder shall acknowledge receipt of this Addendum on the Bid Form as noted in the Instruction to Bidders, failure to do so may subject Bidder to disqualification.*

**Volume III –Bid Set Drawings**

1. Refer to **Addendum A by 19-6 Architects** which is attached hereto

Prepared by,  
 TELACU Construction Management

- Attachments:
1. Addendum A by 19-6 Architects - Orcutt Academy MUR dated May 19, 2022

## ADDENDUM NO. A

Project: Orcutt Union School District  
 Orcutt Academy High School  
**Multi-Use Room Building**

19six No. 20179.01  
 DSA App. No.: 03-121912 File No.: N/A  
 Bid No.: ###

Date: May 19, 2022

To all bidders submitting proposals for the above captioned project. This Addendum is hereby included in the Contract Documents to the same extent as though it were originally included therein. The following items modify, add to, delete from, or explain the drawings and/or specifications. The contents of this Addendum shall take precedence over the original specifications and plans.

### DRAWINGS

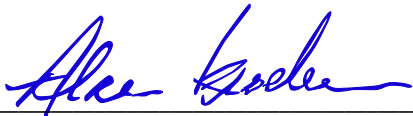
- Item #1:** **Deferred Approvals.** Add Soffit Composite Metal Panels to Deferred Approvals on sheet G-001. Revise details 7, 10, 17, 18, 20, 22, 23 on sheet A-703 to reflect deferred approval details. Add "Deferred Approval" note to keynote # 07.41A on sheet A-301. Add detail 21 on sheet A-703. See revised sheets G-001, A-301 and A-703.
- Item #2:** **Acceptance Testing Note** Add Acceptance Testing Note. See revised G-001.
- Item #3:** **Chain Link Gate.** Add reference call-out for chain link gate on Code Site Plan. See revised sheet G-101.
- Item #4:** **Anchor Bolts.** Add anchor bolts for benches in locker rooms. See revised sheet A-201.
- Item #5:** **Top of Roof Height.** Add top-of-roof elevation heights at main canopy, gym, indoor stage and locker rooms/classroom roofs on Roof Plan. See revised sheet A-221.
- Item #6:** **Section Detail.** Revise section detail reference noted on 1/A-501. Remove detail on sheet A-501. See revised sheet A-501.
- Item #7:** **Parapet Ladder.** Revise Parapet Ladder detail #25 on sheet A-701. Add Ladder detail on sheet A-701. See revised sheet A-701.
- Item #8:** **Details.** Revise details #3, 5, 7, 8 on sheet A-702. Revise details 12, 13, 18, 20, 21, and 23 on sheet A-921. See revised sheets A-702 and A-921.
- Item #9:** **Acoustic Ceiling Tile Main Runner.** Revise acoustic ceiling tile main runner to be 6101HRC Heavy Duty. See revised sheet A-922.
- Item #10:** **Wind Design Parameter.** Add "ASCE 7-16 Figure 30.9-1" to Wind Design Parameters on Structural General Notes sheet. See revised sheet S-001.

- Item #11:** **Structural Details.** Revise details 2, 6, 10 and 12 on sheet S-102. Revise details 3 and 8 on sheet S-103. Revise detail 14 on sheet S-104. Add detail 12/12A/12B on sheet S-106. Revise details 7 and 8 on sheet S-401. Revise details 2, 5, 6/6A, 7 and 12 on sheet S-402, Revise details 2, 4, 15 and 16 on sheet S-403. Revise detail 4 on sheet S-404. Add detail 8/8A on sheet S-404. Revise details 2, 4, and 6 on sheet S-405. Add details 7, 8, 11, 12, 13, 14, 15 and 16 to sheet S-405. See revised sheets S-102, S-103, S-104, S-106, S-401, S-402, S-403, S-404 and S-405.
- Item #12:** **Foundation Plan.** Add steel columns to CMU walls on foundation plan. Add concrete reinforcement footing on foundation plan. Add reference callouts to foundation plan. Add Stage & Foundation Plan Keyed Notes 21, 22, 23, and 24. Change Stage & Foundation Plan Keyed Note 7. See revised sheet S-201.
- Item #13:** **Roof Framing Plan.** Add reference callouts to roof framing plan. Add "Ceiling and Framing Plan at Storage & Electrical Rooms" detail. Add Roof Framing Plan Keyed Notes 27 to 39. See revised sheet S-221.
- Item #14:** **CMU Walls.** Add Keyed Notes 7 to 12 to sheet S-301. Add Keyed Notes 7 to 8 on sheet S-302. Add steel columns to CMU walls. Add dowels to CMU walls. Call-out shear walls at Outdoor Stage. See revised sheets S-301 and S-302.
- Item #15:** **Mechanical Details.** Add details 17 and 18 to sheet M401. Revise details 1, 2 and 3 on sheet M402. See revised sheets M-401 and M402.
- Item #16:** **Plumbing Details.** Revise detail 9 on sheet P002. Add detail 17 on sheet P002. See revised sheet P002.
- Item #17:** **Electrical Details.** Revise detail 3 on sheet E-301. Revise details 2 and 6 on sheet E-302. See revised sheets E-301 and E-302.
- Item #18:** **Fire Protection Detail.** Revise detail 1 on sheet FP103. See revised sheet FP103.
- Item #19:** **Piping Floor Plan.** Add note on sheet FP201. See revised sheet FP201.
- Item #20:** **Bleachers Detail.** Select details found in detail A/D9B. See revised sheet D9B.

**ATTACHMENTS:**

|       |                                   |
|-------|-----------------------------------|
| G-001 | TITLE SHEET                       |
| G-101 | CODE SITE PLAN                    |
| A-201 | FLOOR PLAN                        |
| A-221 | ROOF PLAN                         |
| A-301 | EXTERIOR ELEVATIONS               |
| A-501 | ENLARGED FLOOR PLAN AT RR & ENTRY |
| A-701 | EXTERIOR DETAILS                  |
| A-702 | EXTERIOR DETAILS                  |
| A-703 | EXTERIOR DETAILS                  |
| A-921 | INTERIOR DETAILS                  |
| A-922 | CEILING DETAILS                   |

S-001 STRUCTURAL GENERAL NOTES  
S-102 TYPICAL DETAILS  
S-103 TYPICAL DETAILS  
S-104 TYPICAL DETAILS  
S-106 TYPICAL DETAILS  
S-201 FOUNDATION PLAN  
S-221 ROOF FRAMING PLAN  
S-301 CMU WALL ELEVATIONS  
S-302 CMU WALL ELEVATIONS  
S-401 STRUCTURAL DETAILS  
S-402 STRUCTURAL DETAILS  
S-403 STRUCTURAL DETAILS  
S-404 STRUCTURAL DETAILS  
S-405 STRUCTURAL DETAILS  
M401 MECHANICAL DETAILS  
M402 MECHANICAL DETAILS  
P002 PLUMBING DETAILS  
E-301 ELECTRICAL DETAILS  
E-302 ELECTRICAL DETAILS  
FP103 DETAILS  
FP201 PIPING FLOOR PLAN  
D9B WALL BUCK ATTACHMENT DETAIL

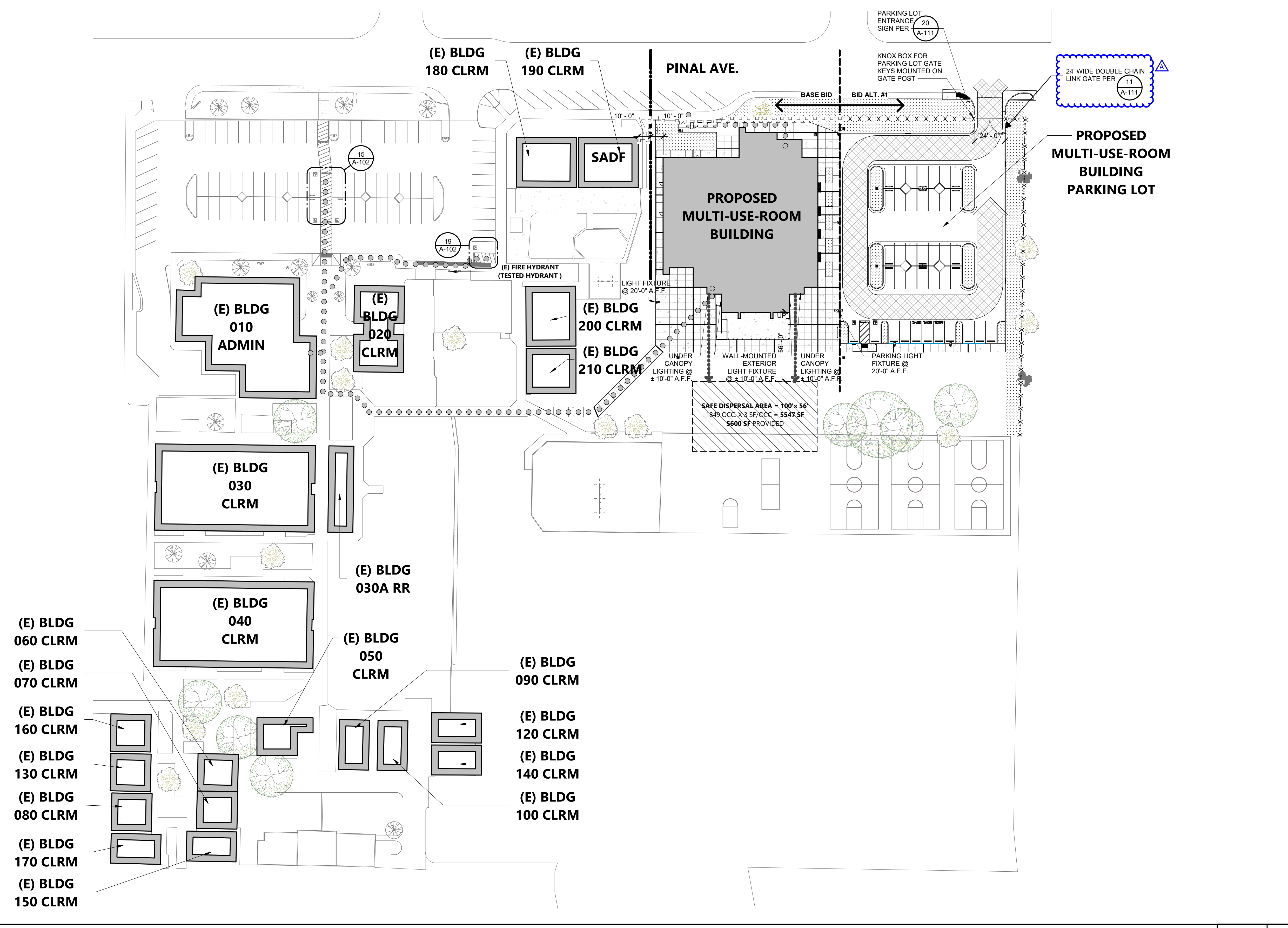


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Alan Kroeker

C-22474





### LEGEND

- ASSUMED PROPERTY LINE
- PROJECT BUILDING
- (E) BUILDING
- FIRE APPARATUS ACCESS LANE, MIN. 20FT WIDE
- PATH OF TRAVEL (P.O.T.)
  - AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE
  - IS AT LEAST 48" WIDE
  - NO ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL
  - THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH.
  - PASSING SPACES (11B-403.2) NOT MORE THAN 400' APART
  - THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED.
  - (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
  - ARCHITECT SHALL VERIFY PATH OF TRAVEL CONFORMS WITH THE ABOVE.
  - DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATION, ADDITIONS, AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT WITH CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
  - DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-COMPLIANT BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THE PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- CHAIN LINK GATE, SWINGING TYPE
  - ALLOWS MANUAL OPERATION BY ONE PERSON
  - SHALL BE MAINTAINED IN AN OPERATIVE CONDITION AT ALL TIMES AND REPLACED OR REPAIRED WHEN DEFECTIVE
  - SEE 11 A-111
- FENCE LINE
- DECORATIVE FENCE LINE
- EXIT DISCHARGE PATH TO SAFE DISPERSAL AREA

### FIRE FLOW

|   |                      |   |
|---|----------------------|---|
| REQUIRED FIRE FLOW PER 2019 CFC APPENDIX BB | TYPE V-B @ 14.618 SF | *3,250 GPM / 1,500 GPM WITH REDUCTION PER CFC BB105.1 |
| PROVIDED FIRE FLOW                          |                      | *3,000 GPM  |

\*MEASURED AT 20 PSI

**Golden State Water Company**  
A Division of American States Water Company

08/05/2021

Hazel Cruz  
19six Architects  
560 Higuera St., Suite C  
San Luis Obispo, CA 93401

### Re: Orcutt Academy High School – 610 Pinale Avenue

This letter is in response to your request for a fire flow report for Orcutt Academy High School located at 610 Pinale Avenue. The request is for the fire hydrant adjacent to the school, FH #802 located at 805 Pinale Avenue. We have performed a physical fire flow and hydraulic model emulation of the water system to determine the static pressure and flow availability at 20 psi residual pressure. The physical fire flow represents a moment in time that may or may not reflect actual fire flow availability depending on the time of day fire flow is required. In light of this, this report provides the hydraulic model emulation of the available flow based on our maximum day demand model. The results based on the hydraulic model emulation are as follows:

FH #802  
Static Pressure = 69 psi  
Flow @ 20 psi = 3000 GPM  
Capacity Duration > 4 hrs

Sincerely,  
  
 Joshua P. Alvidrez  
 Operations Engineer – Coastal District  
 Golden State Water Company

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE.

PROJECT OWNER & TITLE  
**ORCUTT UNION SCHOOL DISTRICT**  
 500 Dyer Street  
 Orcutt, CA 93455

**ORCUTT ACADEMY HS MUR BUILDING**  
 610 Pinale Avenue  
 Orcutt, CA 93455

SHEET TITLE  
**CODE SITE PLAN**

DRAWN BY: FC, HC    JOB NUMBER: 201719.01  
 SHEET NO.  
**G-101**  
 DATE: MAY 10, 2022

2330 A Street, Suite A, Santa Maria, CA 93455 Tel: (805) 349-7407 Fax: (805) 349-7617 www.gswater.com

AGENCY APPROVAL    DSA#    03-121912

# 196 ARCHITECTS

560 HIGUERA STREET, SUITE C  
SAN LUIS OBISPO, CA 93401  
TEL (805) 476-0399

CONSULTANTS

CIVIL ENGINEER  
 STANTEC CONSULTING SERVICES INC.  
 111 East Victoria Street  
 Santa Barbara, CA 93101  
 TEL (805) 680-6830

LANDSCAPE ARCHITECT  
 OASIS ASSOCIATES  
 3427 Miguelito Court  
 San Luis Obispo, CA 93401  
 TEL (805) 541-4509

STRUCTURAL ENGINEER  
 STORK, WOLFE & ASSOCIATES  
 555 Chorro Street, Suite A1  
 San Luis Obispo, CA 93405  
 TEL (805) 548-8600

MECHANICAL ENGINEER  
 BMA MECHANICAL +  
 100 Cross Street, Suite 204  
 San Luis Obispo, CA 93401  
 TEL (805) 544-4269

ELECTRICAL ENGINEER  
 THOMA ENGINEERING  
 3562 Empeo, Suite C  
 San Luis Obispo, CA 93406  
 TEL (805) 543-3850

FIRE PROTECTION ENGINEER  
 BMA MECHANICAL +  
 100 Cross Street, Suite 204  
 San Luis Obispo, CA 93401  
 TEL (805) 544-42-69

ARCHITECT STAMP    CONSULTANT STAMP

### REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| 1   | 04-19-2022 | Addendum 1  |
| A   | 05-19-2022 | ADDENDUM A  |

### MUR BLDG PARKING LOT ANALYSIS

|                        |                                |                                |                                    |                                    |
|------------------------|--------------------------------|--------------------------------|------------------------------------|------------------------------------|
| TOTAL NUMBER OF STALLS | NUMBER OF ACC. STALLS REQUIRED | NUMBER OF ACC. STALLS PROVIDED | NUMBER OF VAN ACC. STALLS REQUIRED | NUMBER OF VAN ACC. STALLS PROVIDED |
| 39                     | 2                              | 2                              | 1                                  | 1                                  |

### EXISTING PARKING LOT ANALYSIS

|                        |                                |                                |                                    |                                    |
|------------------------|--------------------------------|--------------------------------|------------------------------------|------------------------------------|
| TOTAL NUMBER OF STALLS | NUMBER OF ACC. STALLS REQUIRED | NUMBER OF ACC. STALLS PROVIDED | NUMBER OF VAN ACC. STALLS REQUIRED | NUMBER OF VAN ACC. STALLS PROVIDED |
| 80                     | 4                              | 4                              | 1                                  | 1                                  |

### BUILDING INFORMATION

| BLDG NO. | DESCRIPTION            | D.S.A. APPLICATION # (YEAR) | CERTIFICATION # (DATE)     |
|----------|------------------------|-----------------------------|----------------------------|
| 010      | ADMIN / MULT-USE       | A# 18140 (1959)             | #1 (8/21/1960)             |
| 010      | ADMIN / MULT-USE       | A# 49494 (1988)             | #1 (7/21/1989)             |
| 010      | ADMIN / MULT-USE       | A# 03-102273 (2001)         | #1 (5/23/2006)             |
| 010      | ADMIN / MULT-USE       | A# 03-104880 (2005)         | #1 (4/19/2006)             |
| 010      | ADMIN / MULT-USE       | A# 03-115040 (2014)         | #1 (1/20/2015)             |
| 020      | CLASSROOM/SERVING LINE | A# 18140 (1959)             | #1 (8/21/1960)             |
| 020      | CLASSROOM/SERVING LINE | A# 03-102273 (2001)         | #1 (5/23/2006)             |
| 020      | CLASSROOM/SERVING LINE | A# 03-113888 (2011)         | #1 (2/01/2013)             |
| 030      | CLASSROOMS             | A# 18140 (1959)             | #1 (8/21/1960)             |
| 030      | CLASSROOMS             | A# 03-102273 (2001)         | #1 (5/23/2006)             |
| 030A     | RESTROOMS              | A# 03-102273 (2001)         | #1 (5/23/2006)             |
| 030A     | RESTROOMS              | A# 03-113888 (2011)         | #1 (2/01/2013)             |
| 040      | CLASSROOMS             | A# 18140 (1959)             | #1 (8/21/1960)             |
| 040      | CLASSROOMS             | A# 03-102273 (2001)         | #1 (5/23/2006)             |
| 050      | CLASSROOMS             | A# 20918 (1961)             | #1 (1/07/1963)             |
| 050      | CLASSROOMS             | A# 03-102273 (2001)         | #1 (5/23/2006)             |
| 060      | CLASSROOM              | A# 49057 (1987)             | #2 (11/27/2018)            |
| 070      | CLASSROOM              | A# 49057 (1987)             | #2 (11/27/2018)            |
| 080      | CLASSROOM              | A# 50001 (1987)             | #2 (2/25/1998) (COND./SSF) |
| 090      | CLASSROOM              | A# 49412 (1986)             | #1 (7/08/1993)             |
| 100      | CLASSROOM              | A# 51829 (1988)             | #1 (4/03/1995)             |
| 120      | CLASSROOM              | A# 62585 (1996)             | #1 (8/25/2004)             |
| 130      | CLASSROOM              | A# 68481 (1997)             | #1 (3-03-2004)             |
| 140      | CLASSROOM              | A# 69117 (1997)             | #1 (10/30/2001)            |
| 150      | CLASSROOM              | A# 69620 (1997)             | #1 (6/07/2000)             |
| 160      | CLASSROOM              | A# 03-100712 (1998)         | #1 (12/09/2002)            |
| 170      | CLASSROOM              | A# 03-106578 (2002)         | #1 (4/21/2004)             |
| 180      | CLASSROOM              | A# 03-104482 (2000)         | #1 (3/16/2005)             |
| 190      | CLASSROOM              | A# 03-104482 (2000)         | #1 (3/16/2005)             |
| 200      | MULTI-USE              | A# 03-106546 (2002)         | #1 (4/06/2004)             |
| 210      | CLASSROOM              | A# 03-106958 (2004)         | #1 (5/24/2005)             |

### DSA FORM 810

## 810

### FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

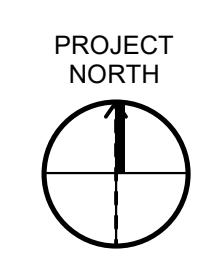
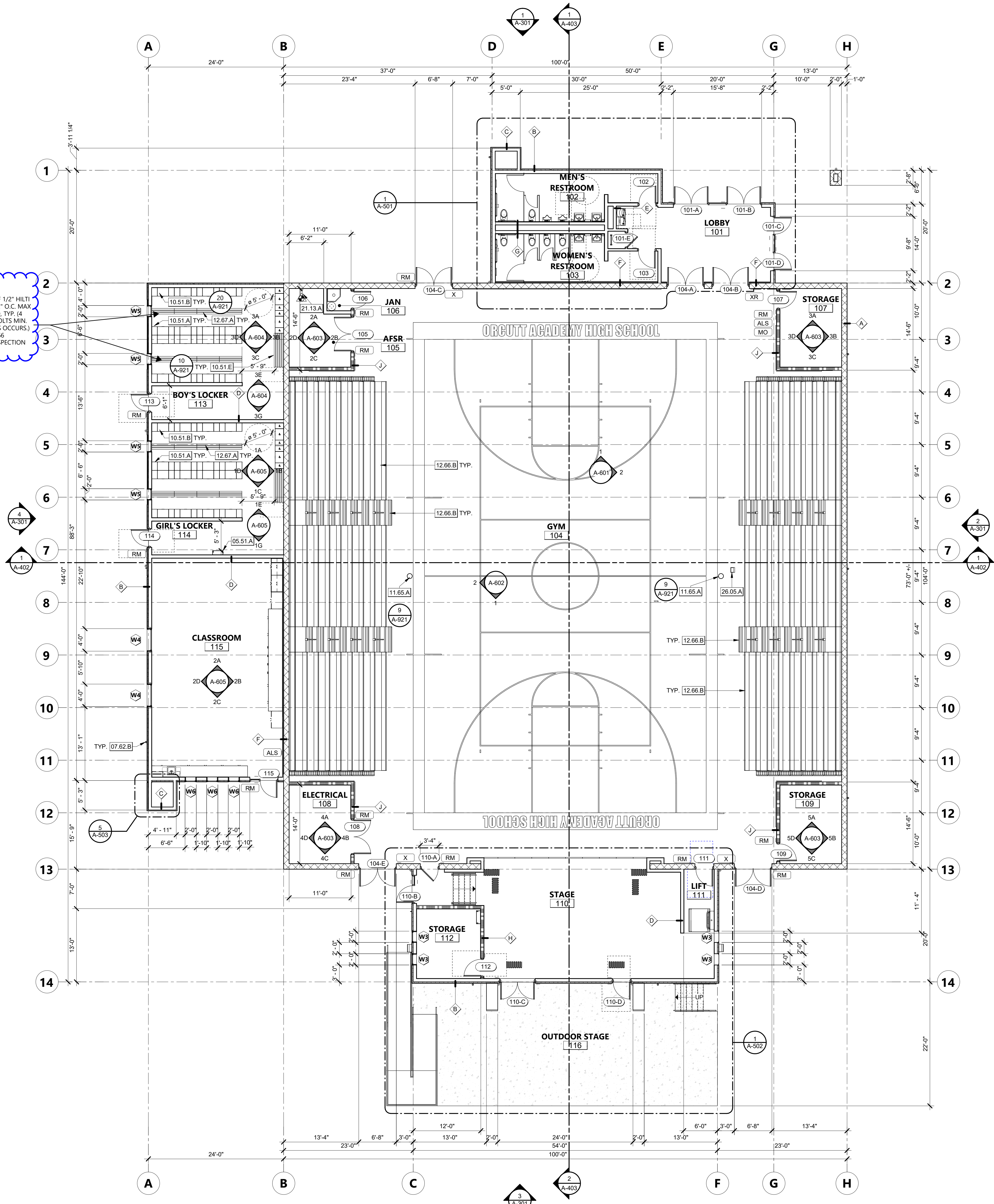
For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

| PROJECT INFORMATION    |  |  |  |
|------------------------|--|--|--|
| School District/Owner: | Orcutt Union School District                       |  |  |
| Project Name/School:   | Orcutt Academy High School Multi-Use Room Building |  |  |
| Project Address:       | 610 Pinale Ave., Orcutt, CA 93455                  |  |  |

| 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 (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>   |                                    |
| Refer to the following website for FHSZ locations: <a href="http://www.fire.ca.gov/FHSZ/">http://www.fire.ca.gov/FHSZ/</a>                               | 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"/>      |

CODE SITE PLAN    1" = 40'-0"    1

2 ROWS OF 1/2" HILTI KBT22 @ 12" O.C. MAX STAGGERED TYP. 4 ANCHOR BOLTS MIN. EA. POST AS OCCURS. ICC-ESR 4266 SPECIAL INSPECTION REQUIRED



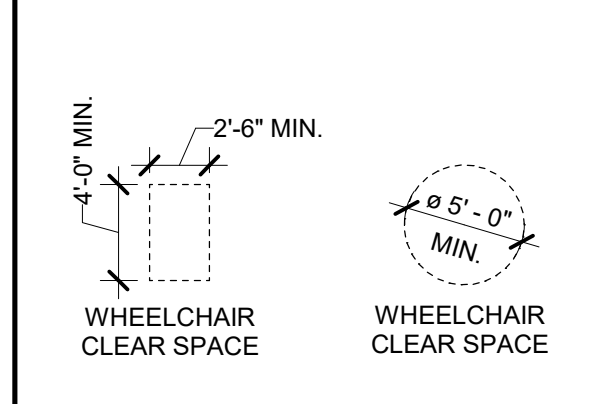
**KEYNOTES**

- 05.51.A ALUMINUM ACCESS LADDER WITH COVER
- 07.62.B 3" DIA. SCHEDULE 40 DOWNSPOUT, PAINTED. CONNECT TO STORM DRAIN SYSTEM.
- 10.51.A 12" WIDE X 72" TALL X 18" DEEP - 4-TIER LOCKERS
- 10.51.B 24" WIDE X 72" TALL X 18" DEEP - 2-TIER LOCKERS
- 10.51.E BENCH TO COMPLY WITH C.B.C. 11B-903
- 11.65.A VOLLEYBALL POST FLOOR SLEEVE
- 12.66.B TELESCOPING BLEACHERS AISLE
- 12.67.A BENCH
- 21.13.A AUTOMATIC FIRE SPRINKLER RISER. SEE FIRE SUPPRESSION DRAWINGS.
- 26.05.A FLOOR BOX FOR POWER, DATA AND COMMUNICATION

**FLOOR PLAN LEGEND**

- ROOM NAME** → ROOM NAME  
 [101] → ROOM NUMBER
- ⬇ A-60 → WALL TYPE TAG PER A-901
  - ⬇ 101AA → DOOR TYPE TAG
  - ⬇ A → WINDOW TYPE TAG
  - ⬇ A/200 → EQUIPMENT SCHEDULE
  - ⬇ RM → EQUIPMENT MARK
  - ⬇ RM → SIGNAGE TAG - SEE A-831 FOR SIGN DETAILS

**CLEARANCE LEGEND**



**FLOOR PLAN GENERAL NOTES**

1. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF PLYWOOD, STUD, AND CMU OR CENTERLINE OF COLUMN.
2. ALL EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
3. ALL EXPOSED PIPES, STRUCTURE, AND CONDUIT TO BE PAINTED.
4. NOTE: FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED LIST OF DEFERRED SUBMITTALS ON G-011LED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. SEE LIST OF DEFERRED APPROVALS ON G-001

**LOCKER CALCULATIONS**

CALCULATIONS PER C.B.C. 11B-225.2.1 LOCKERS  
 NUMBER OF LOCKERS PROVIDED: 356  
 PERCENT OF LOCKERS THAT MUST BE ACCESSIBLE: 5%  
 NUMBER OF ACCESSIBLE LOCKERS REQUIRED: 356\*0.05 = 17.8  
 NUMBER OF ACCESSIBLE LOCKERS PROVIDED: 20



**ASSISTIVE LISTENING SYSTEM**

- A. AN ADA COMPLIANT FM BASED ASSISTIVE LISTENING SYSTEM SHALL BE PROVIDED.
- B. LOCATION: THE ASSISTIVE LISTENING SYSTEM PROVIDED IS LIMITED TO SPECIFIC AREAS AND/OR SEATS, THESE AREAS SHALL BE WITHIN A 50-FOOT (15.24 M) VIEWING DISTANCE OF THE STAGE OR PLAYING AREA AND SHALL HAVE COMPLETE VIEW OF THE STAGE OR THE PLAYING AREA.
- C. PORTABLE ASSISTIVE-LISTENING SYSTEM WILL BE PROVIDED.

CALCULATIONS PER C.B.C. 11B-219.3 ASSISTIVE LISTENING SYSTEMS RECEIVERS

**GYM (RM. 104)**  
 NUMBER OF SEATS/OCCUPANT LOAD: 1,658  
 PERCENT OF SEATS TO REQUIRED MINIMUM NUMBER OF RECEIVERS: 4%  
 NUMBER OF REQUIRED RECEIVERS: 1,658\*0.04 = 67  
 PERCENT OF RECEIVERS REQUIRED TO BE HEARING AID COMPATIBLE: 25%, BUT NO FEWER THAN 2  
 NUMBER OF RECEIVERS REQUIRED TO BE HEARING AID COMPATIBLE: 67\*0.25 = 17

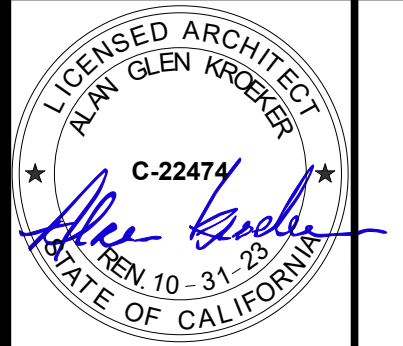
**CLASSROOM (RM. 115)**  
 NUMBER OF SEATS/OCCUPANT LOAD: 46  
 PERCENT OF SEATS TO REQUIRED MINIMUM NUMBER OF RECEIVERS: 4%  
 NUMBER OF REQUIRED RECEIVERS: 46\*0.04 = 2  
 PERCENT OF RECEIVERS REQUIRED TO BE HEARING AID COMPATIBLE: 25%, BUT NO FEWER THAN 2  
 NUMBER OF RECEIVERS REQUIRED TO BE HEARING AID COMPATIBLE: 2



560 HIGUERA STREET, SUITE C  
 SAN LUIS OBISPO, CA 93401  
 TEL (805) 476-0399

- CONSULTANTS**
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REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| A   | 05-19-2022 | ADDENDUM A  |

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**ORCUTT UNION SCHOOL DISTRICT**  
 500 Dyer Street  
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**ORCUTT ACADEMY HS MUR BUILDING**  
 610 Pinal Avenue  
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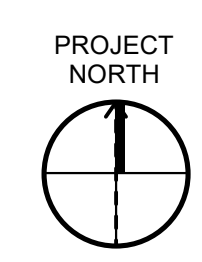
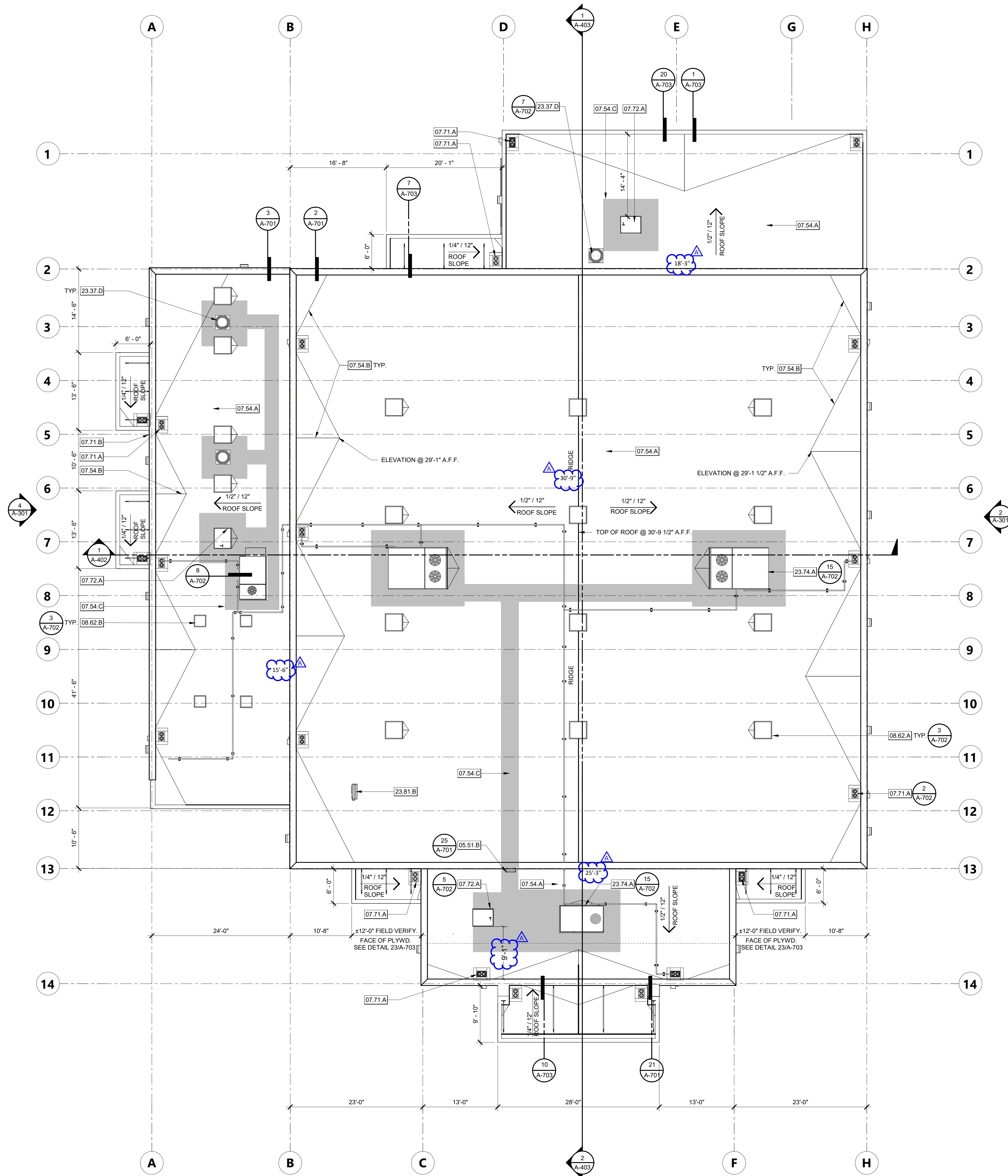
SHEET TITLE  
**FLOOR PLAN**

DRAWN BY: FC, HC JOB NUMBER: 20179.01  
 SHEET NO.

**A-201**

DATE: MAY 10, 2022

DATE PLOTTED: 3/24/2022 2:02:08 PM FILE LOCATION: C:\Users\Hrcruz\Documents\20179.01\_OAHS\_MUR\_A20\_V2\_hcnz\PB9K.rvt



ROOF PLAN 1/8" = 1'-0" 1

- KEYNOTES**
- 05.51.B EXTERIOR ALUMINUM LADDER
  - 07.54.A SINGLE PLY ROOF MEMBRANE SYSTEM
  - 07.54.B TAPERED (CRICKETS) INSULATION FOR SLOPE
  - 07.54.C TRAFFIC RATED ROOF WALKWAY, 36" WIDE
  - 07.71.A ROOF DRAIN AND OVERFLOW
  - 07.71.B OVERFLOW NOZZLE
  - 07.72.A 30"x36" ROOF HATCH
  - 08.62.A SKYLIGHTS, 36" X 36", CENTERED BETWEEN ROOF TRUSS. GLAZING TO BE SAFETY GLASS.
  - 08.62.B SKYLIGHTS, 24" X 24", GLAZING TO BE SAFETY GLASS.
  - 23.37.D EXHAUST HOOD PER MECHANICAL DRAWINGS
  - 23.74.A PACKAGED HVAC UNIT PER MECHANICAL DRAWINGS
  - 23.81.B SPLIT-SYSTEM HVAC UNIT, OUTDOOR UNIT PER MECHANICAL DRAWINGS

- ROOF PLAN GENERAL NOTES**
1. REFER TO MECHANICAL SHEETS FOR MECHANICAL EQUIPMENT INFORMATION
  2. ALL ROOFING SHALL BE CLASS "A"
  3. NOTE: FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. SEE LIST OF DEFERRED APPROVALS ON G-001

- ROOF DRAIN CALCULATIONS**
- ROOF AREA @ GRID 1-8 AND C (SIM. OPPOSITE SIDE)
- DOWNSPOUTS: 4  
 AREA DRAINED PER DOWNSPOUT: 880 SF  
 RAIN INTENSITY: 170 SF/SQ IN
- MINIMUM AREA PER DOWNSPOUT:  
 880/170 = 4.9 SQ IN ~3" ROUND DOWNSPOUTS (TYP)
- RECTANGULAR GUTTER LENGTH = 88'  
 MAX GUTTER LENGTH = 90'-0"  
 # OF EXPANSION JOINTS = 1  
 GUTTER WIDTH = 6"  
 GUTTER DEPTH = 4.5"

AGENCY APPROVAL DSA 03-121912

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**REVISIONS**

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| A   | 05-19-2022 | ADDENDUM A  |

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SHEET TITLE

**ROOF PLAN**

DRAWN BY: FC, HC JOB NUMBER: 20179.01

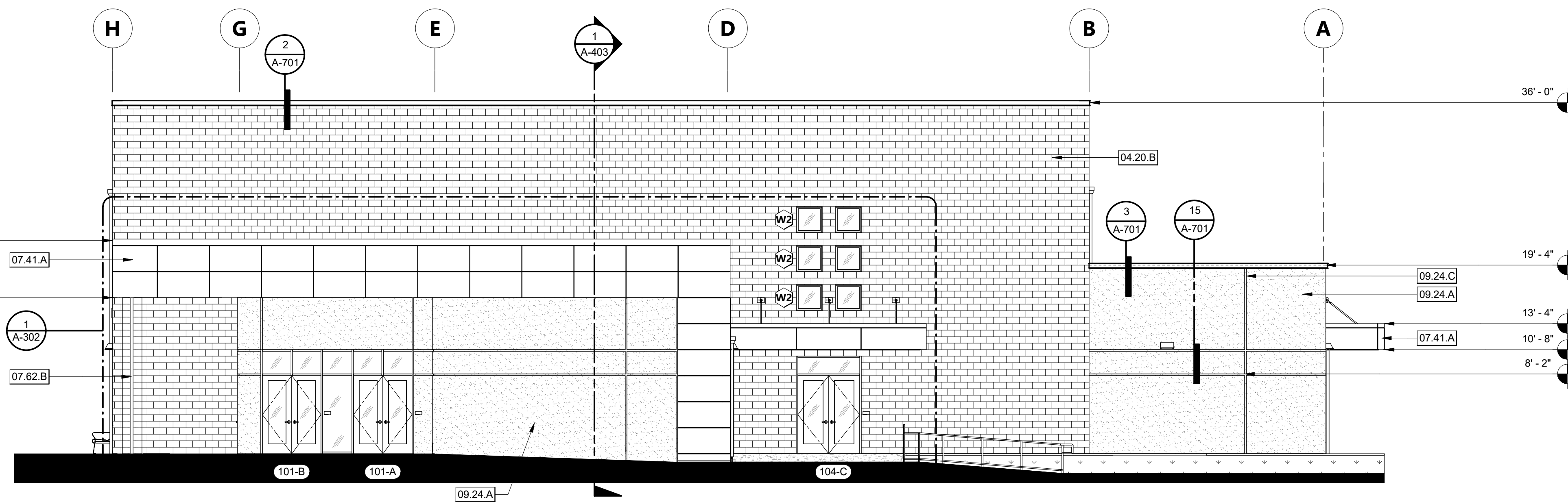
SHEET NO.

**A-221**

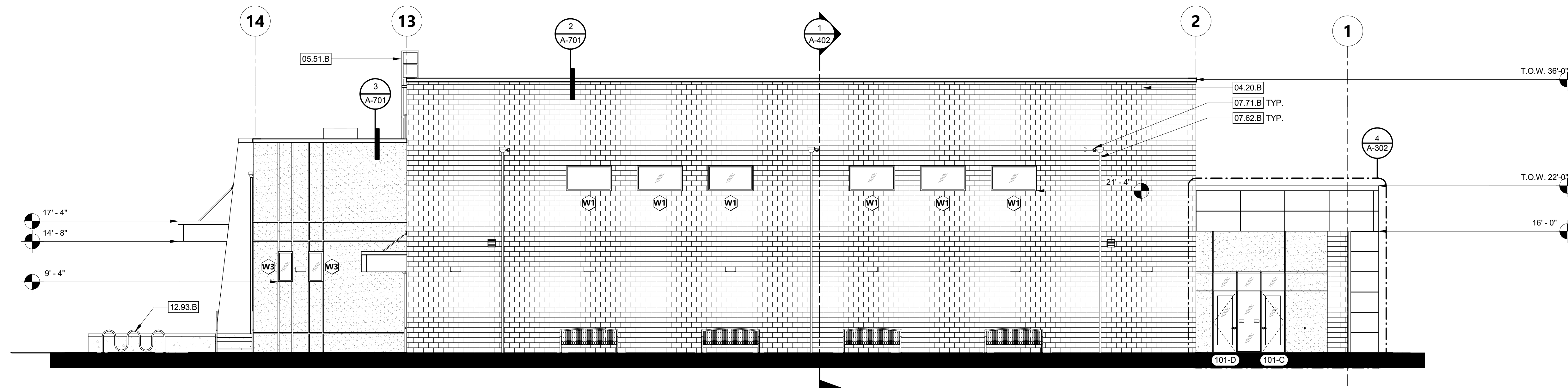
DATE: MAY 10, 2022



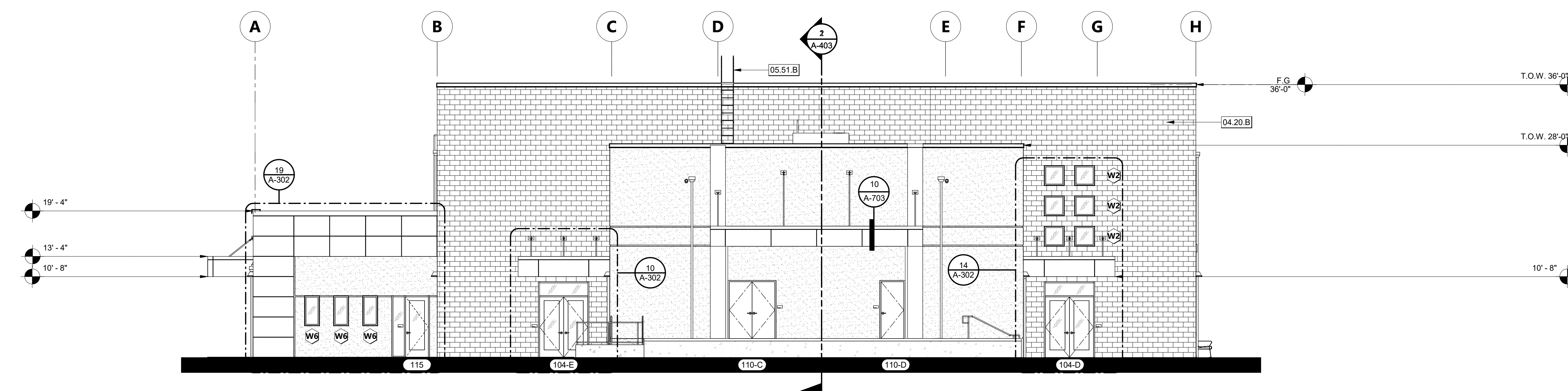
DATE PLOTTED: 3/24/2022 2:02:18 PM FILE LOCATION: C:\Users\HCruz\Documents\20179.01\_OUSD\_OAHS\_MUR\_A20\_V2\_hcnz\PB9K.rvt



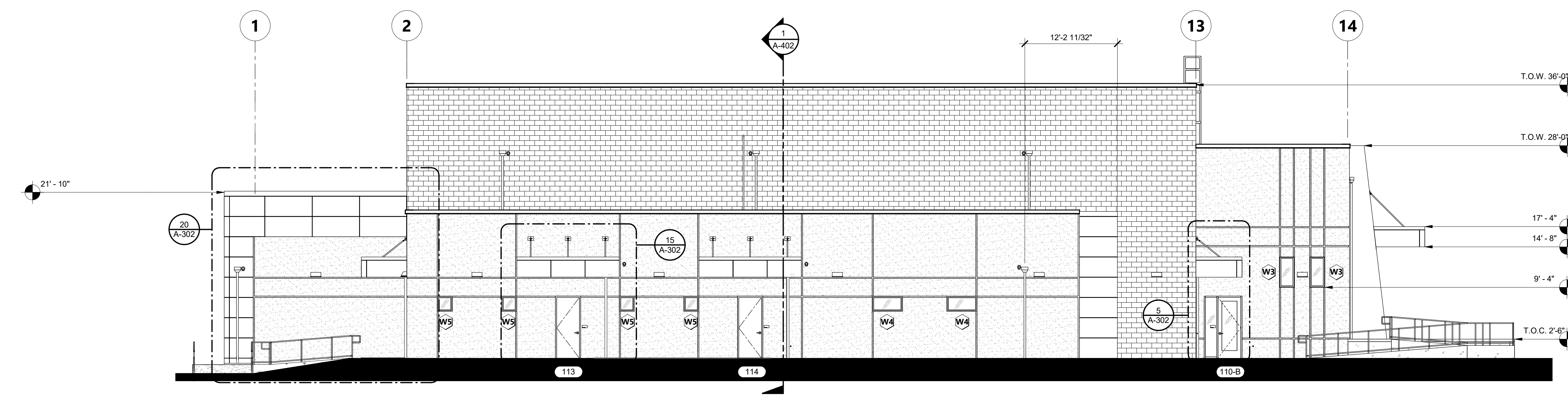
**NORTH ELEVATION** 1/8" = 1'-0" 1



**EAST ELEVATION** 1/8" = 1'-0" 2



**SOUTH ELEVATION** 1/8" = 1'-0" 3



**WEST ELEVATION** 1/8" = 1'-0" 4

**KEYNOTES**

- 04.20.B 12" SPLIT FACE CMU
- 05.51.B EXTERIOR ALUMINUM LADDER
- 07.41.A METAL WALL PANELS (DEFERRED APPROVAL)
- 07.62.B 3" DIA. DOWNSPOUT, PER PLUMBING SPECIFICATIONS, CONNECT TO STORM DRAIN SYSTEM
- 07.71.B OVERFLOW NOZZLE
- 09.24.A PORTLAND CEMENT PLASTER
- 09.24.C 2" ALUMINUM REVEAL
- 12.93.B BIKE RACK

AGENCY APPROVAL DSAE 03-121912

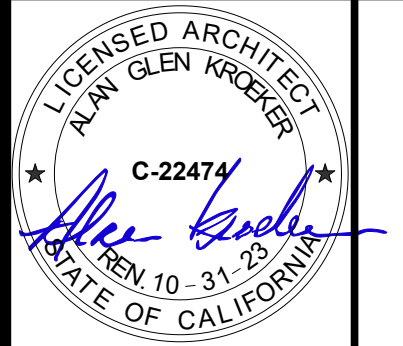
196

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**REVISIONS**

| NO. | DATE           | DESCRIPTION |
|-----|----------------|-------------|
| 1   | April 27, 2022 | Addendum 2  |
| A   | 05-19-2022     | ADDENDUM A  |

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**EXTERIOR ELEVATIONS GENERAL NOTES**

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET A-802.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. EXTERIOR CEMENT PLASTER TO BE PAINTED.

PROJECT OWNER & TITLE  
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SHEET TITLE  
**EXTERIOR ELEVATIONS**

DRAWN BY: FC, HC JOB NUMBER: 20179.01

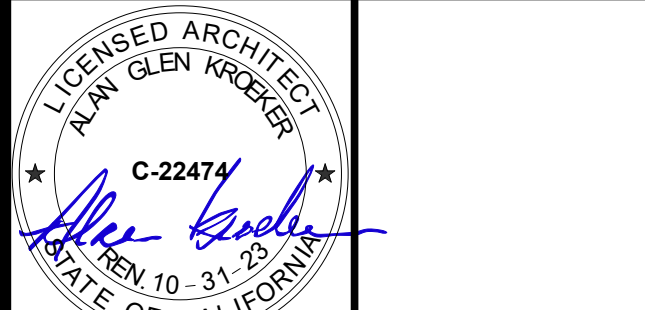
SHEET NO.  
**A-301**  
DATE: MAY 10, 2022



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SHEET TITLE  
**ENLARGED FLOOR PLAN AT RR & ENTRY**

DRAWN BY: FC, HC JOB NUMBER: 20179.01

SHEET NO.

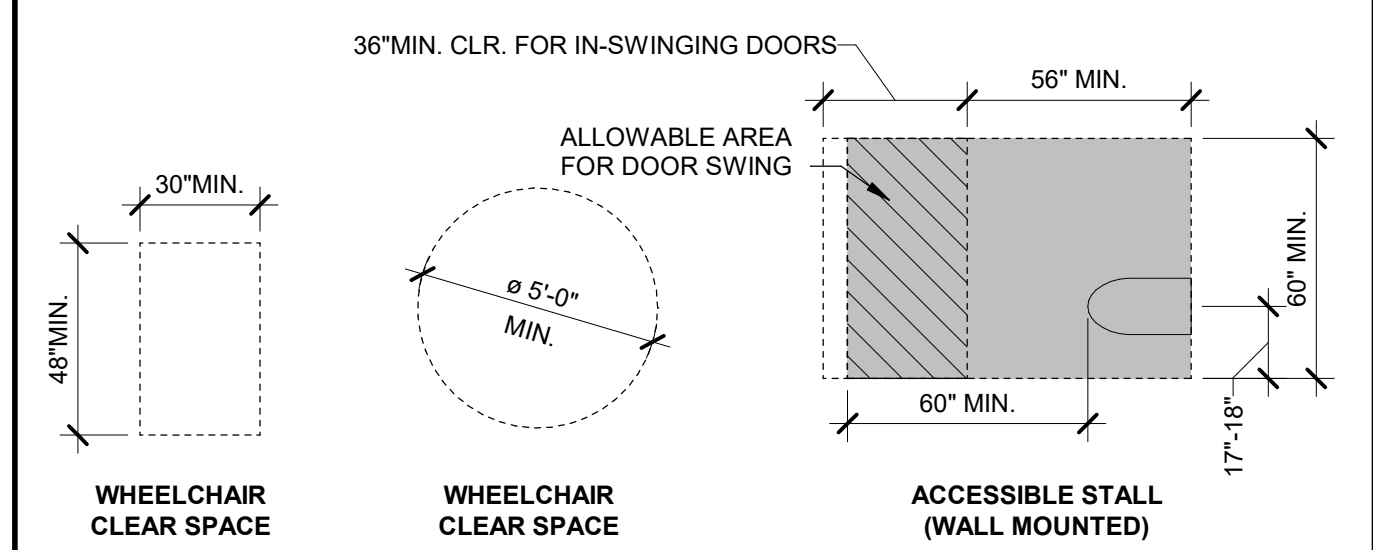
**A-501**

DATE: MAY 10, 2022

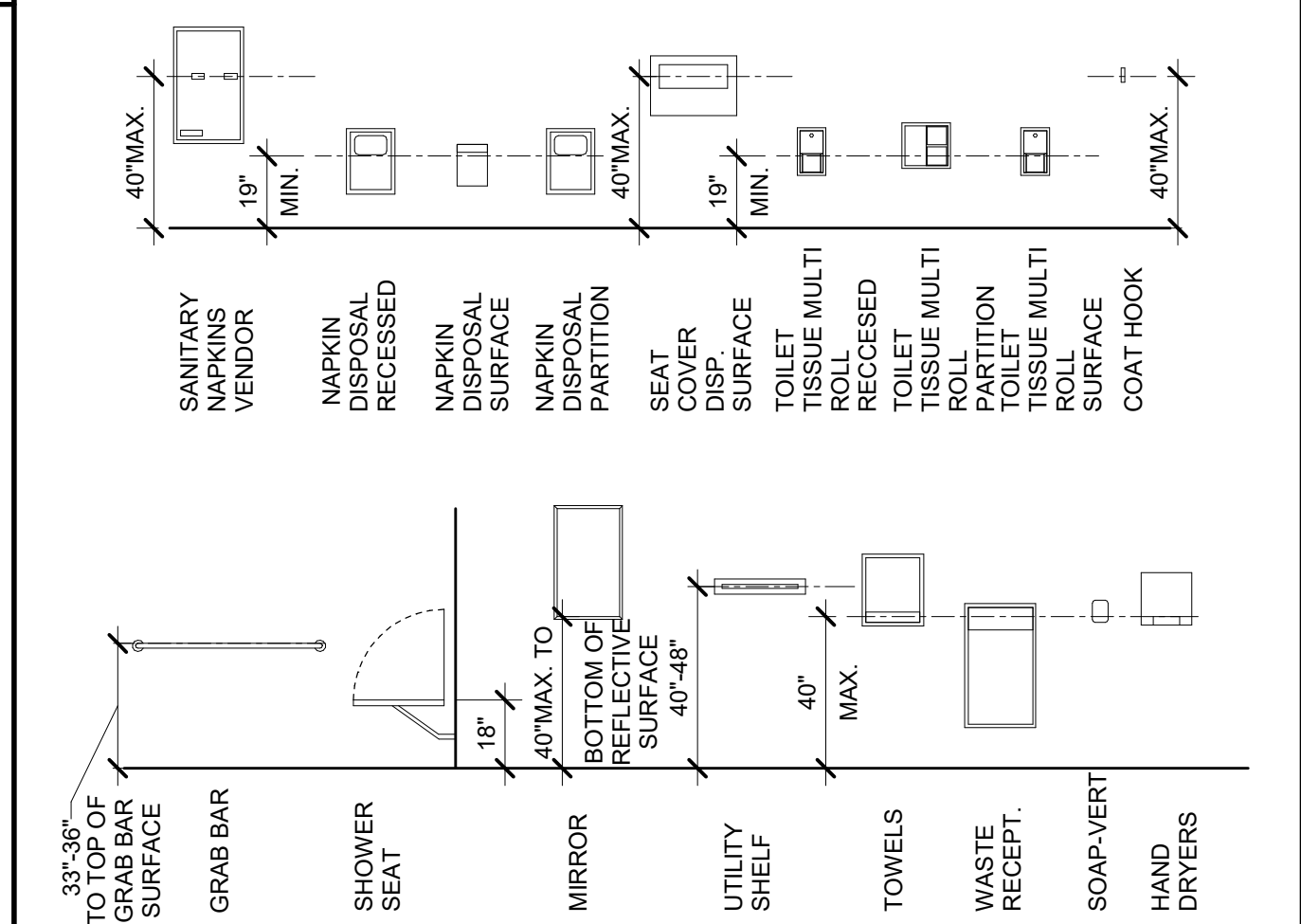
**RESTROOM PLAN GENERAL NOTES**

1. MOUNTING HEIGHTS SHOWN ARE TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL ACCESSORIES SHALL BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 40" ABOVE FINISH FLOOR.
3. SLOPE FLOORS 1/8" PER FOOT MINIMUM AND 1/4" PER FOOT MAXIMUM, UNLESS NOTED OTHERWISE.
4. SEE ENLARGED TOILET PLAN AND INTERIOR ELEVATION DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
5. OWNER FURNISHED ACCESSORIES SHALL BE CONTRACTOR INSTALLED.
6. PROVIDE BACKING FOR GRAB BARS AND SHELVES PER DETAIL.
7. ALL FLOOR DRAINS SHALL HAVE 1/2" MAX. STRAINER OPENING IN ALL DIRECTIONS SEE DETAILS.
8. ALL DIMENSIONS FOR ACCESS COMPLIANCE ARE TO FACE OF FINISH.
9. PROVIDE UNDER LAVATORY GUARDS, MOLDED VINYL COVERING FOR SUPPLY AND DRAIN PIPING WITH FLIP TOP AT VALVE TO ALLOW SERVICE WITHOUT REMOVING COVERING.
10. THE SPACE BETWEEN WALL AND GRAB BAR SHALL BE 1 1/2". THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.

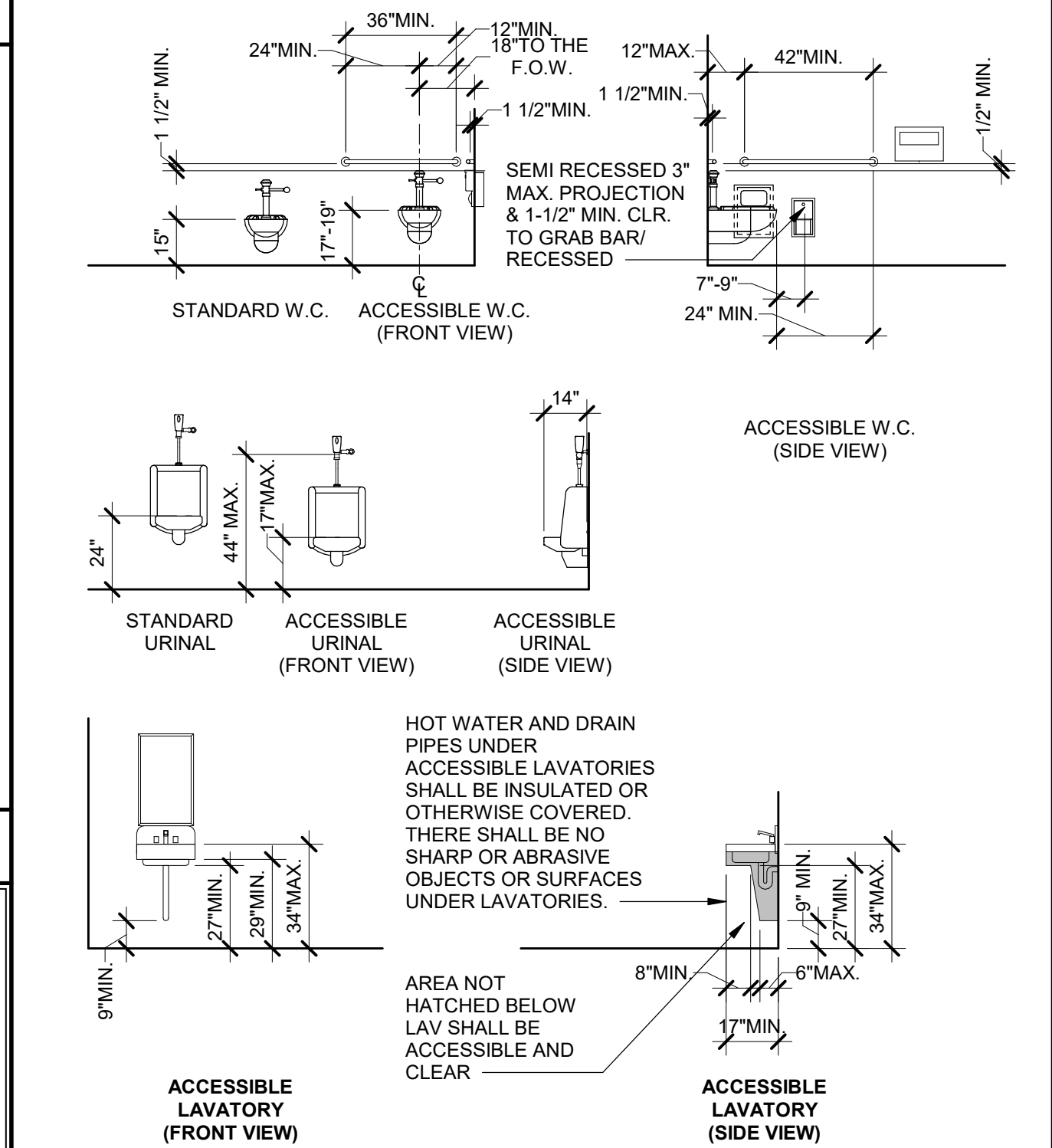
**CLEARANCE LEGEND**



**MOUNTING HEIGHTS**



**TOILET FIXTURE HEIGHTS**

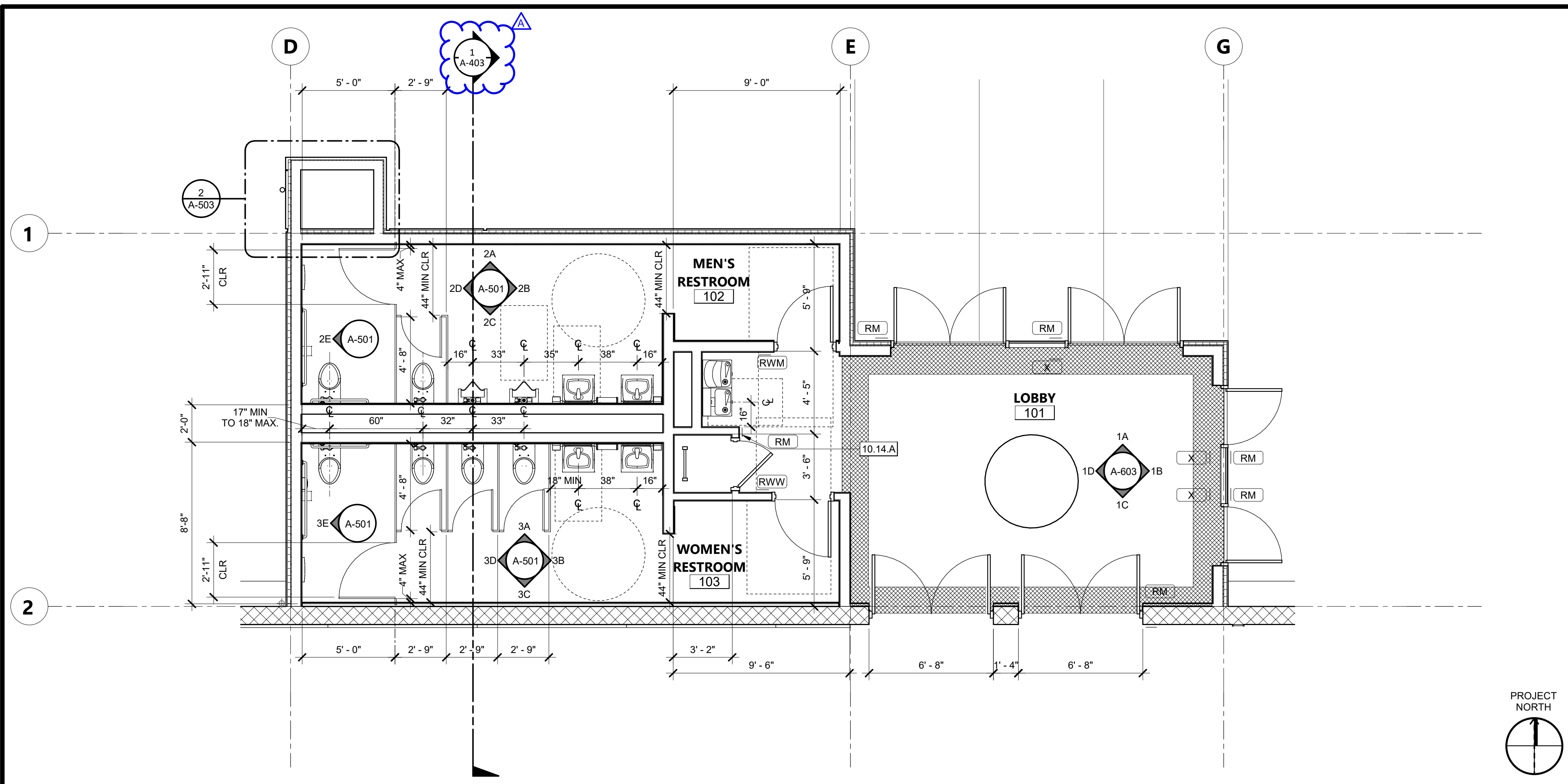


**CLEARANCE TO FINISH SURFACE**

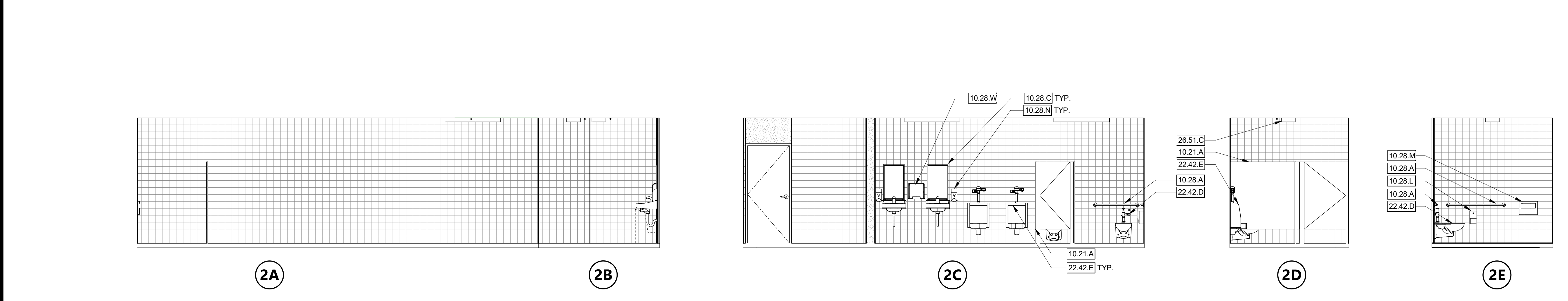
| FIXTURE                          | ADULT    | FOR CHILDREN'S USE |           | CBC TABLE 11B-604.9 |
|----------------------------------|----------|--------------------|-----------|---------------------|
|                                  |          | AGES 5-8           | AGES 9-12 |                     |
| DISPENSER OR MIRROR HEIGHT       | 40" MAX. | 36" MAX.           | 36" MAX.  |                     |
| DRINKING FOUNTAIN BUBBLER HEIGHT | 36" MAX. | 36" MAX.           | 36" MAX.  |                     |
| DRINKING FOUNTAIN KNEE CLEARANCE | 27" MIN. | 27" MIN.           | 27" MIN.  |                     |
| LAVATORY/SINK KNEE CLEARANCE     | 27" MIN. | 24" MIN.           | 24" MIN.  |                     |
| LAVATORY/SINK TOP HEIGHT         | 34" MAX. | 29" MAX.           | 29" MAX.  |                     |
| RAMP/STAIR HANDRAIL HEIGHT       | 34"-38"  | 34"-38"            | 34"-38"   |                     |
| TOILET CENTERLINE FROM WALL      | 17"-18"  | 12"-15"            | 15"-18"   |                     |
| TOILET PAPER IN FRONT OF TOILET  | 7'-9"    | 7'-9"              | 7'-9"     |                     |
| TOILET SEAT HEIGHT (AT SEAT LID) | 17"-19"  | 12"-15"            | 15"-17"   |                     |
| TOP OF GRAB BAR HEIGHT           | 33"-36"  | 20"-25"            | 25"-27"   |                     |
| URINAL FLUSH HANDLE HEIGHT       | 44" MAX. | 37" MAX.           | 37" MAX.  |                     |
| URINAL LIP HEIGHT                | 17" MAX. | 15" MAX.           | 15" MAX.  |                     |

**KEYNOTES**

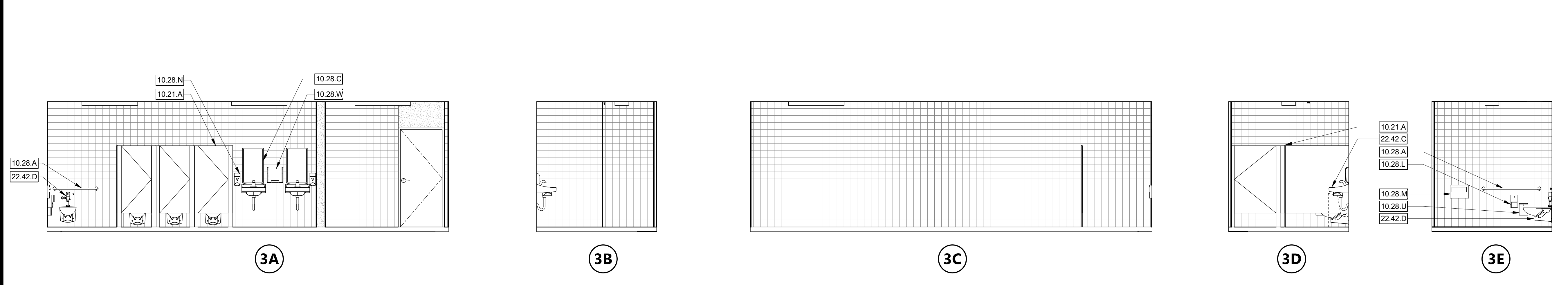
- 10.14.A ROOF ACCESS LADDER SIGN 6" WIDTH TO READ "ROOF ACCESS"
- 10.21.A TOILET COMPARTMENTS
- 10.28.A GRAB BAR, SEE DETAIL 3/A-921
- 10.28.C MIRROR
- 10.28.L SURFACE MOUNT TOILET TISSUE DISPENSER
- 10.28.M SURFACE MOUNT TOILET SEAT COVER DISPENSER
- 10.28.N SURFACE MOUNT SOAP DISPENSER
- 10.28.U SURFACE MOUNT SANITARY NAPKIN DISPOSAL, BOBRICK B-270
- 10.28.W SURFACE MOUNT AIR DRYER, BOBRICK B-7128
- 22.42.C LAVATORY - SEE PLUMBING DRAWINGS.
- 22.42.D WATER CLOSET. SEE PLUMBING DRAWINGS.
- 22.42.E URINAL - SEE PLUMBING DRAWINGS.
- 26.51.C LINEAR CEILING FIXTURE, REFER TO ELECTRICAL DRAWINGS.



**ENLARGED FLOOR PLAN AT RESTROOMS & LOBBY** 1/4" = 1'-0" 1



**MEN'S RESTROOM - 102** 1/4" = 1'-0" 2



**WOMEN'S RESTROOM - 103** 1/4" = 1'-0" 3





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REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| A   | 05-19-2022 | ADDENDUM A  |
| 1   |            |             |
| 5   |            |             |

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SHEET TITLE

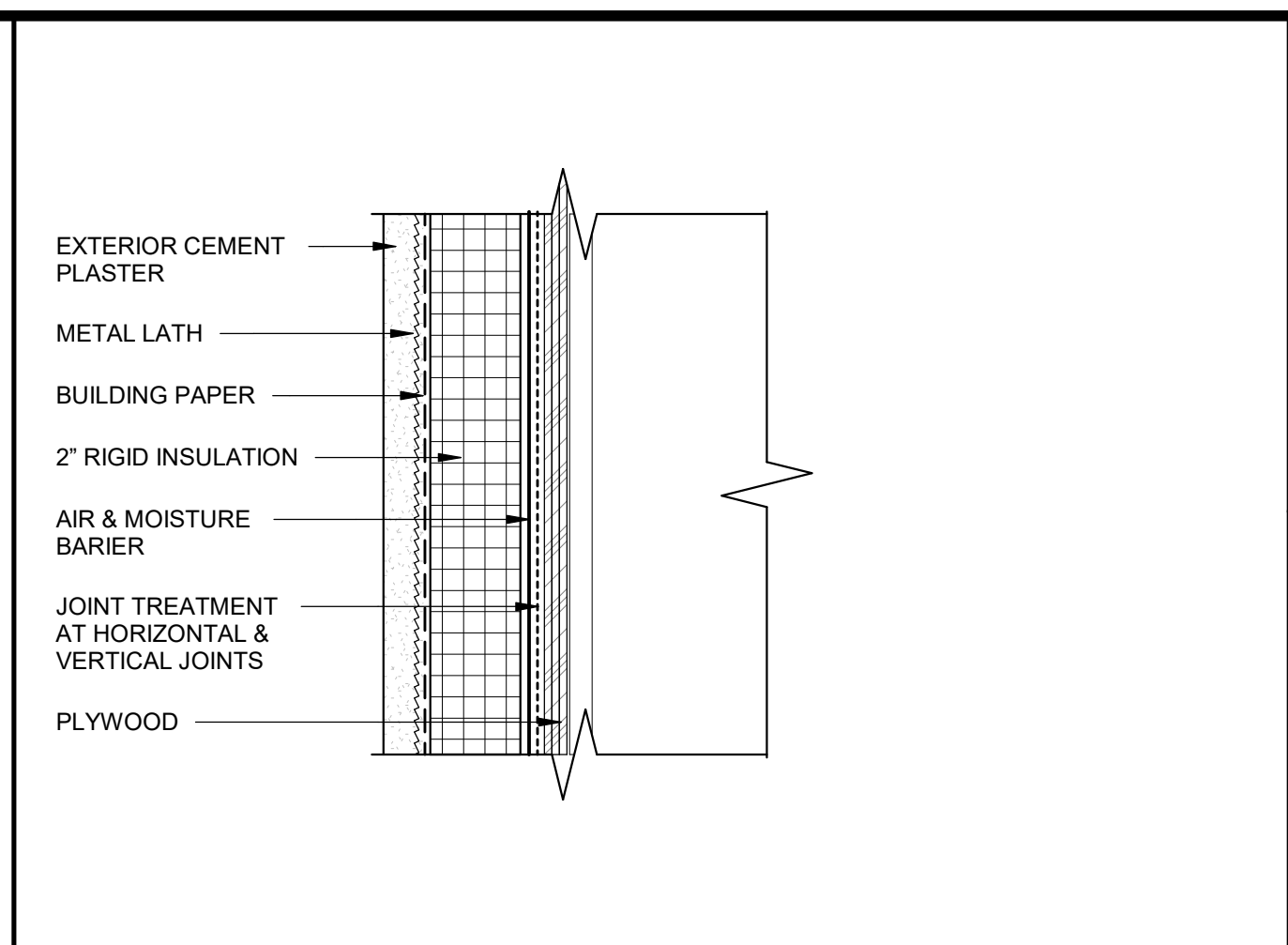
**EXTERIOR DETAILS**

DRAWN BY: XX JOB NUMBER: 20179.01

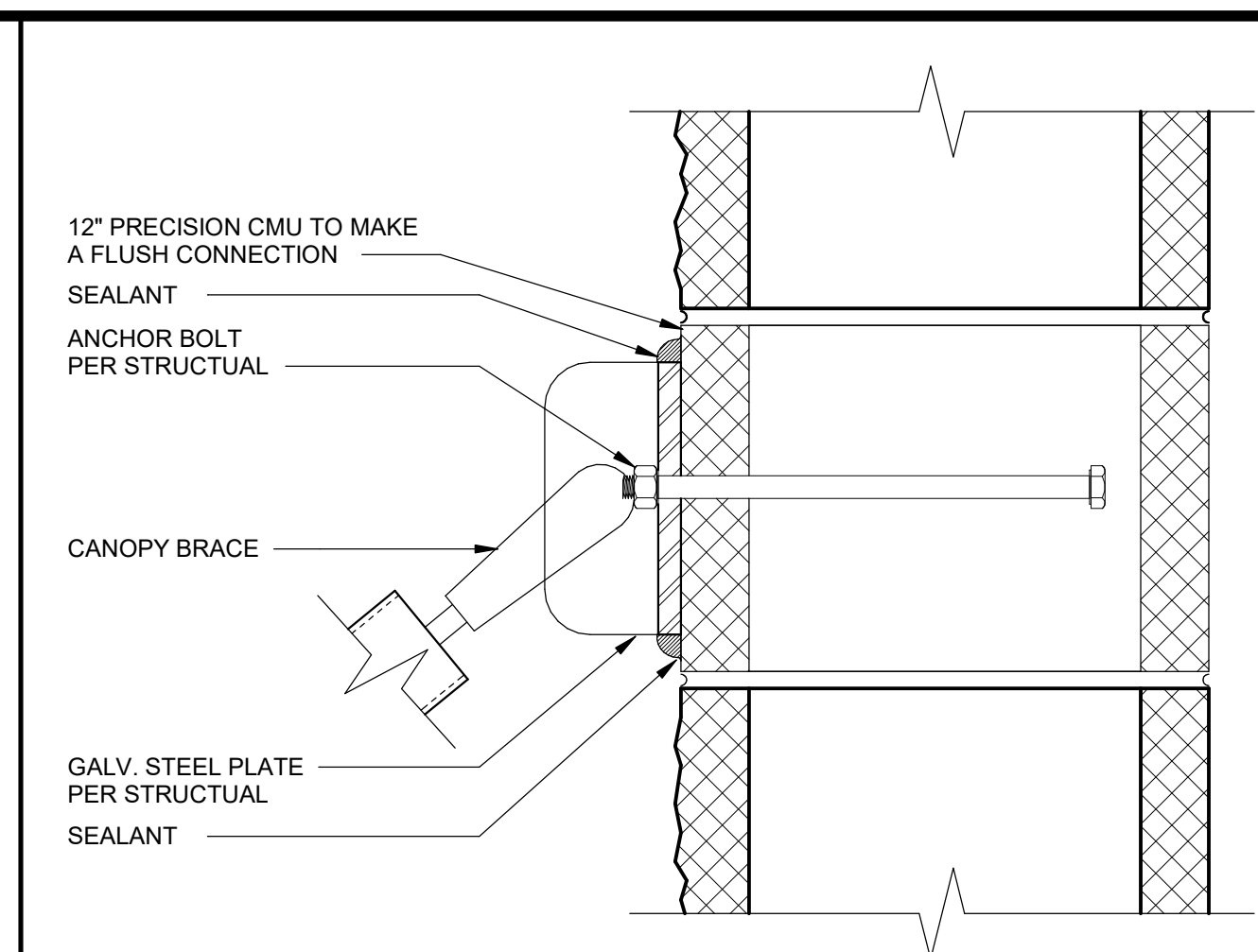
SHEET NO.

**A-701**

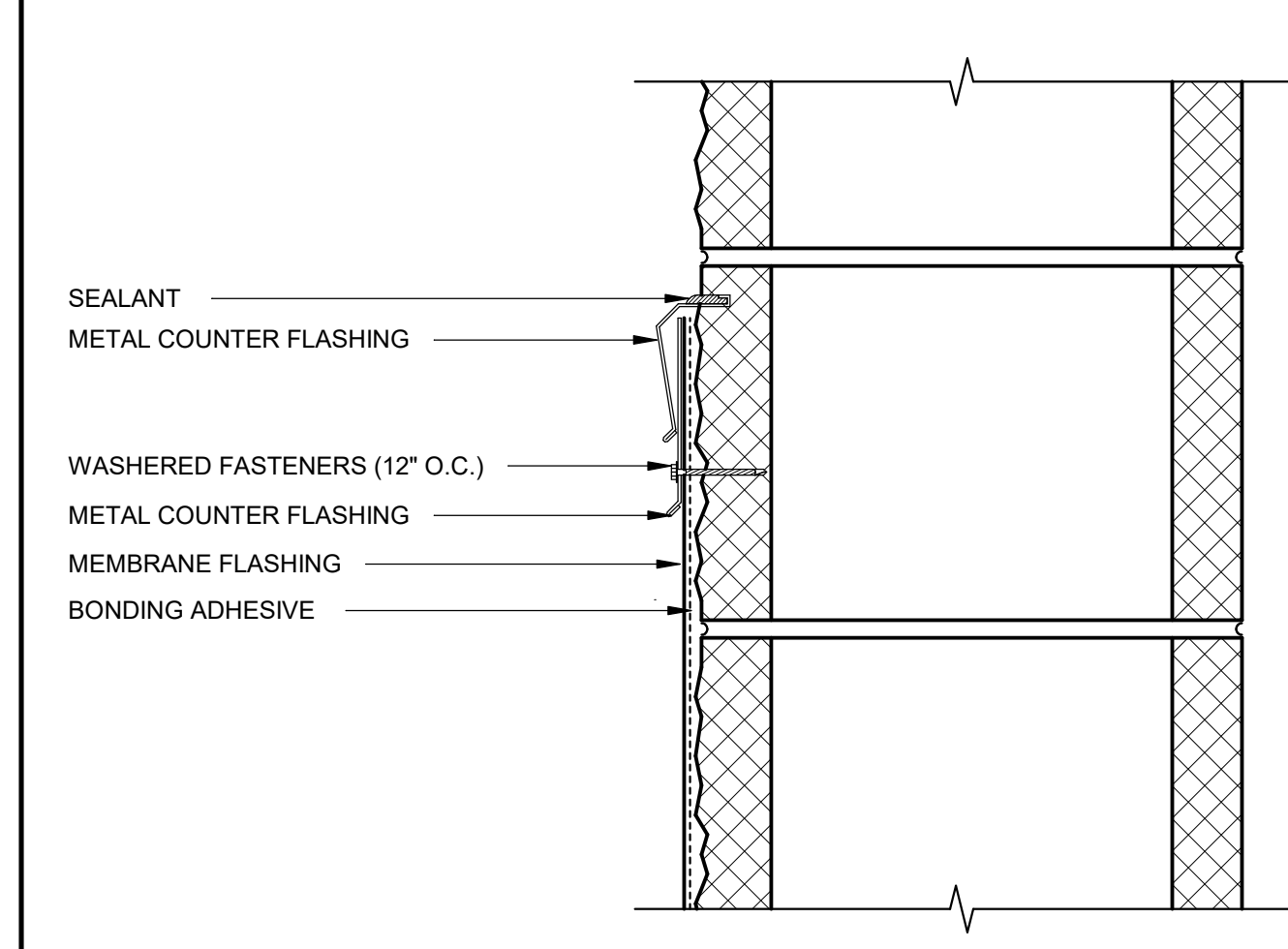
DATE: MAY 10, 2022



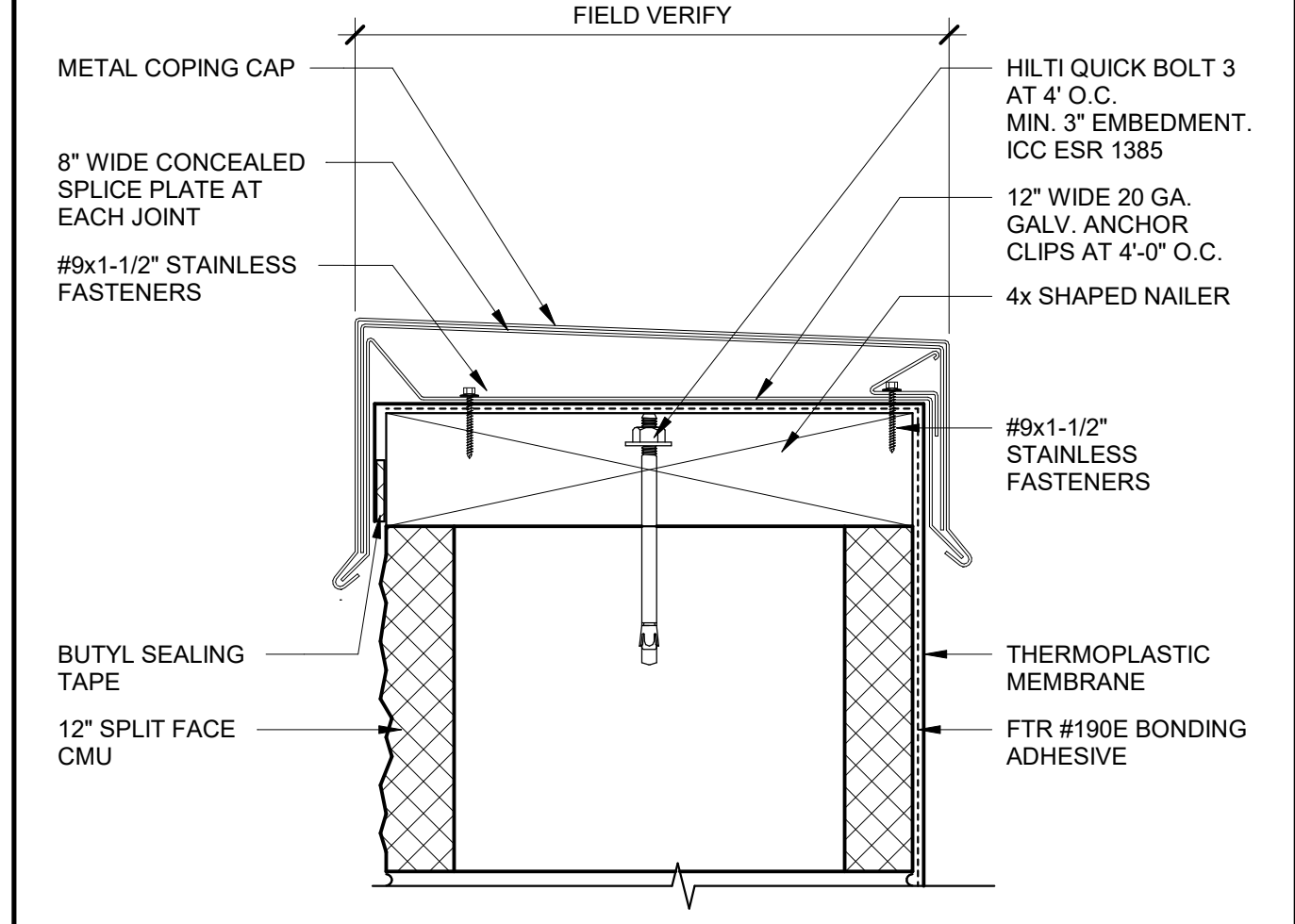
**EXTERIOR CEMENT PLASTER SYSTEM** 3" = 1'-0" 1



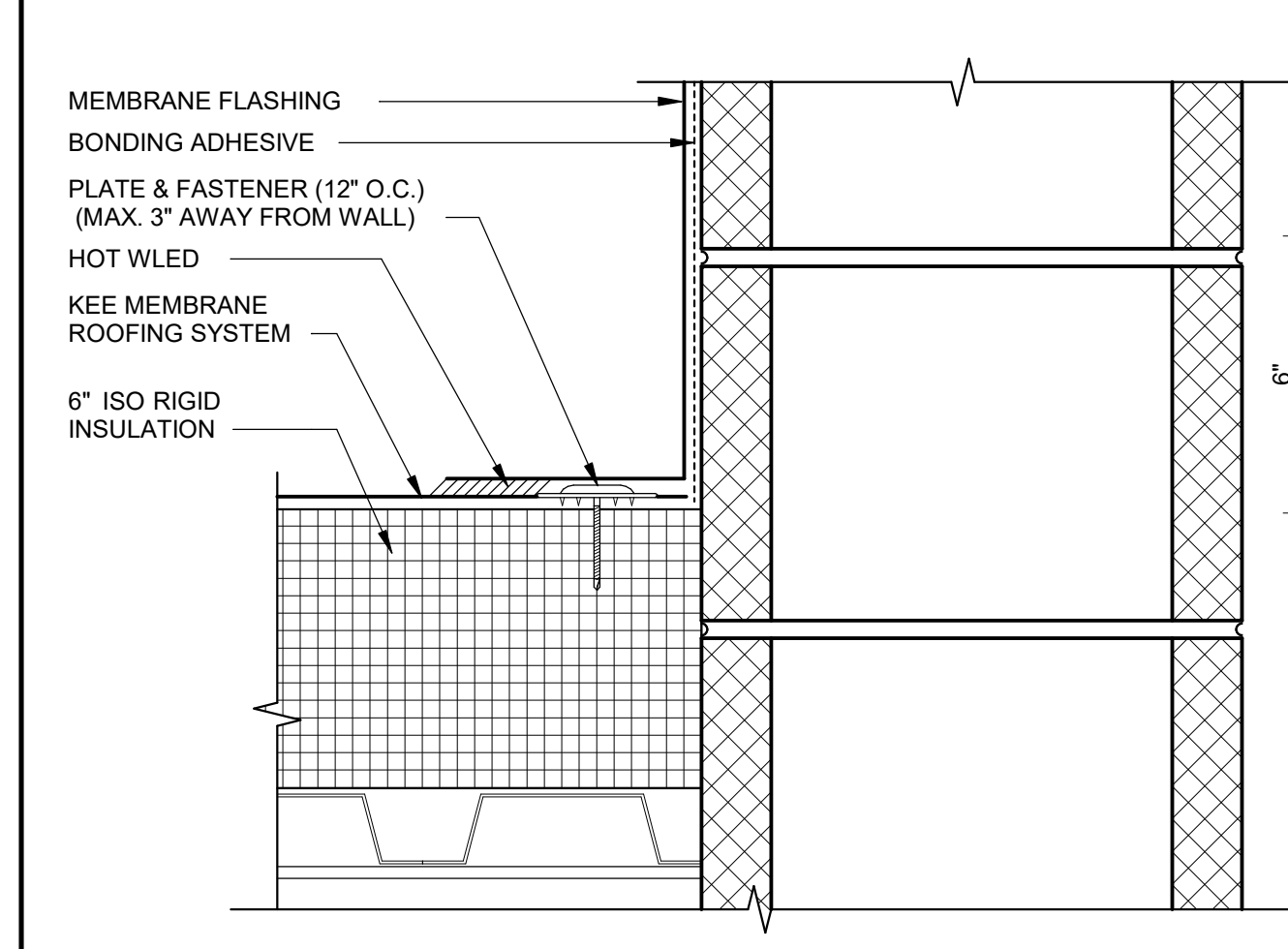
**BRACE AT CMU WALL** 3" = 1'-0" 6



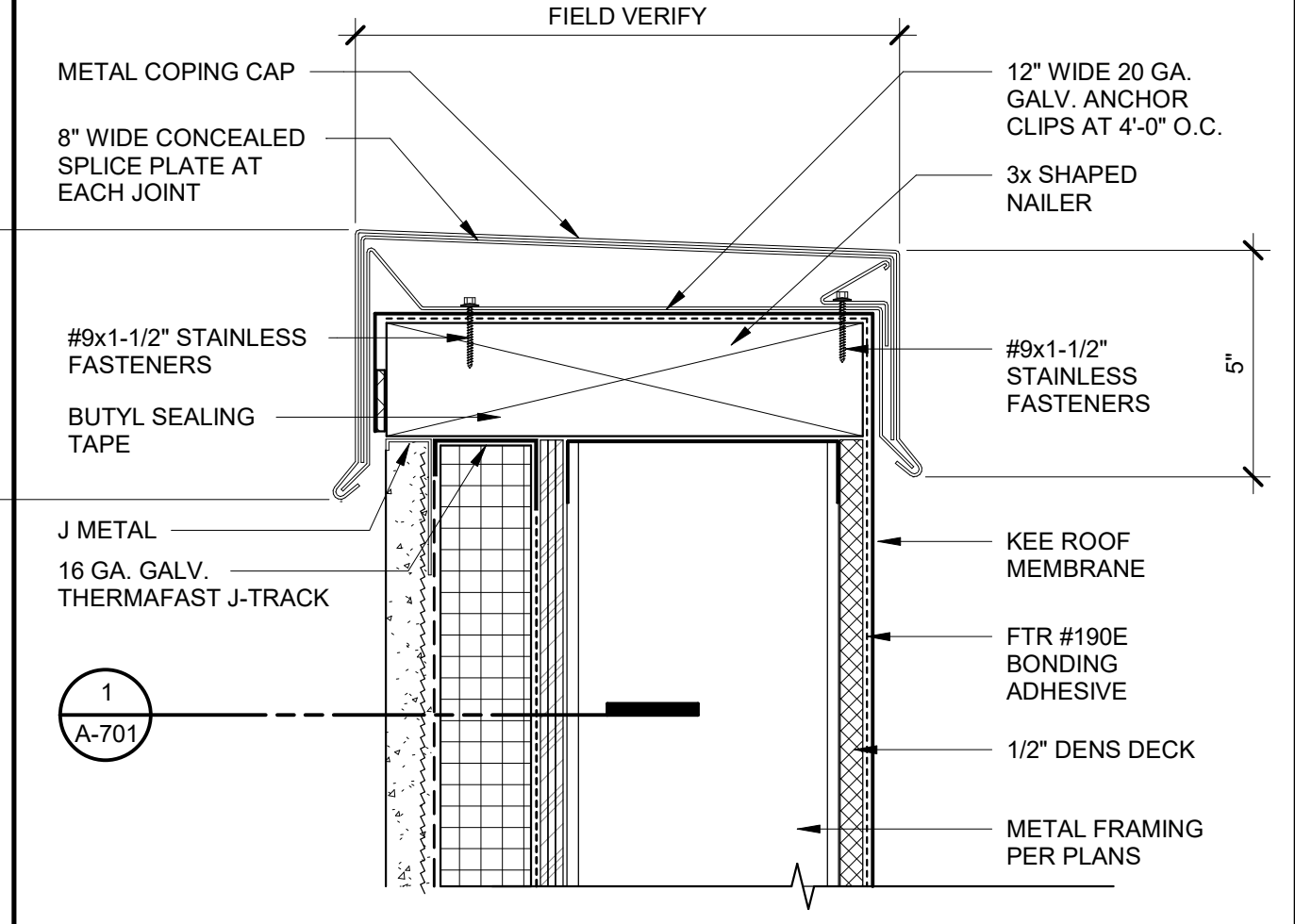
**WALL TO ROOF AT CMU** 3" = 1'-0" 7



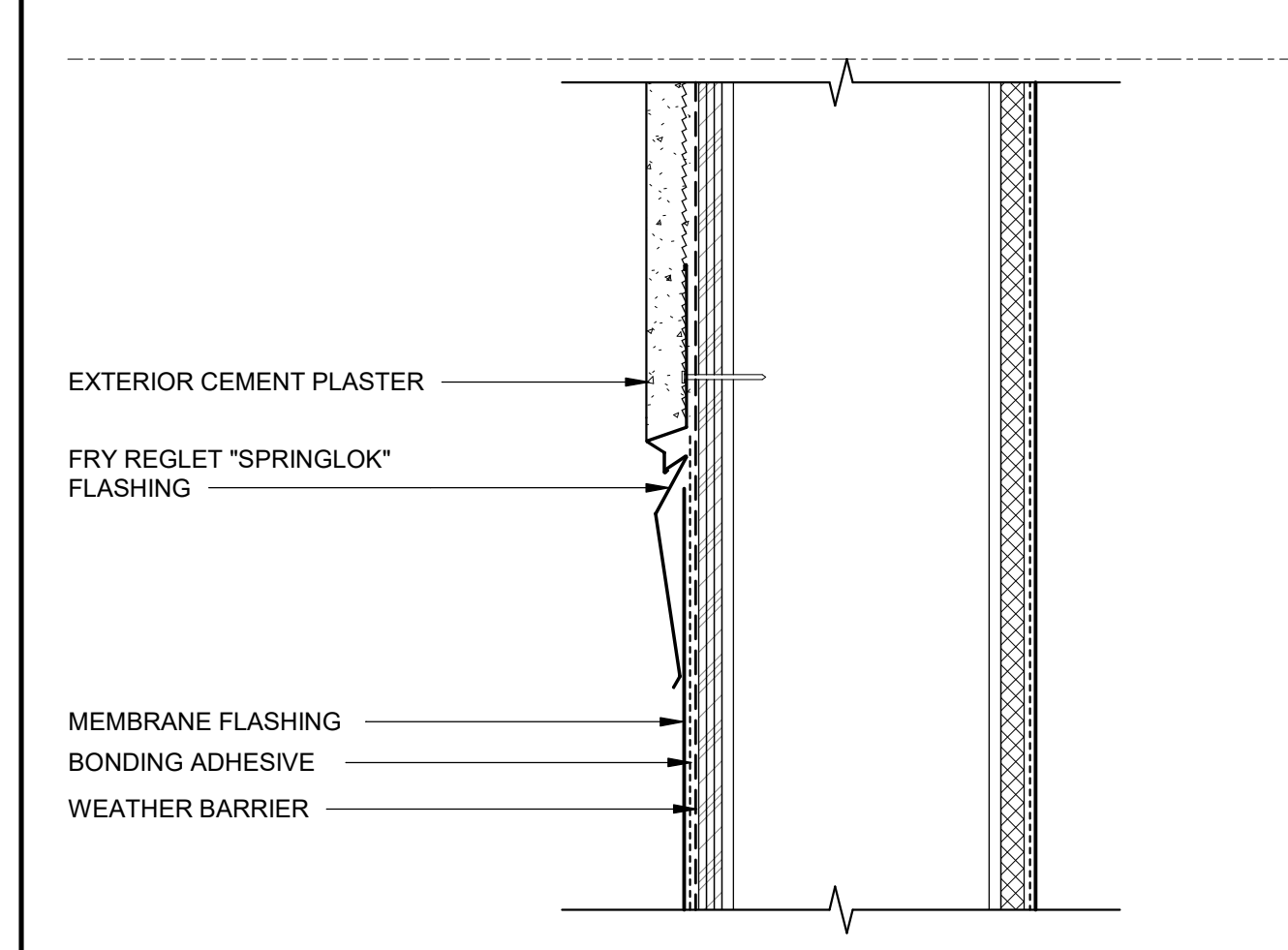
**PARAPET CAP AT CMU** 3" = 1'-0" 2



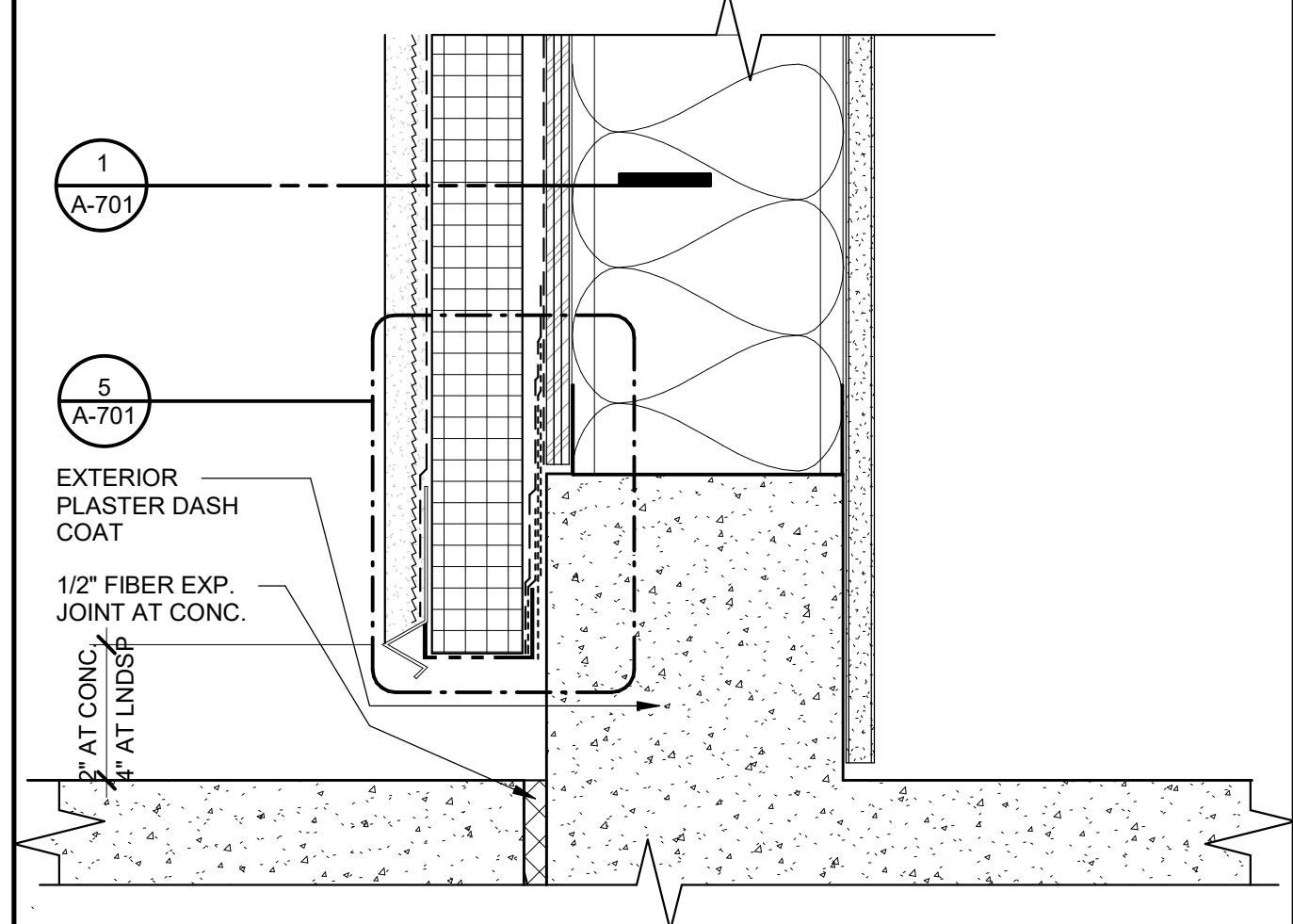
**WALL TO ROOF AT CMU BASE** 3" = 1'-0" 8



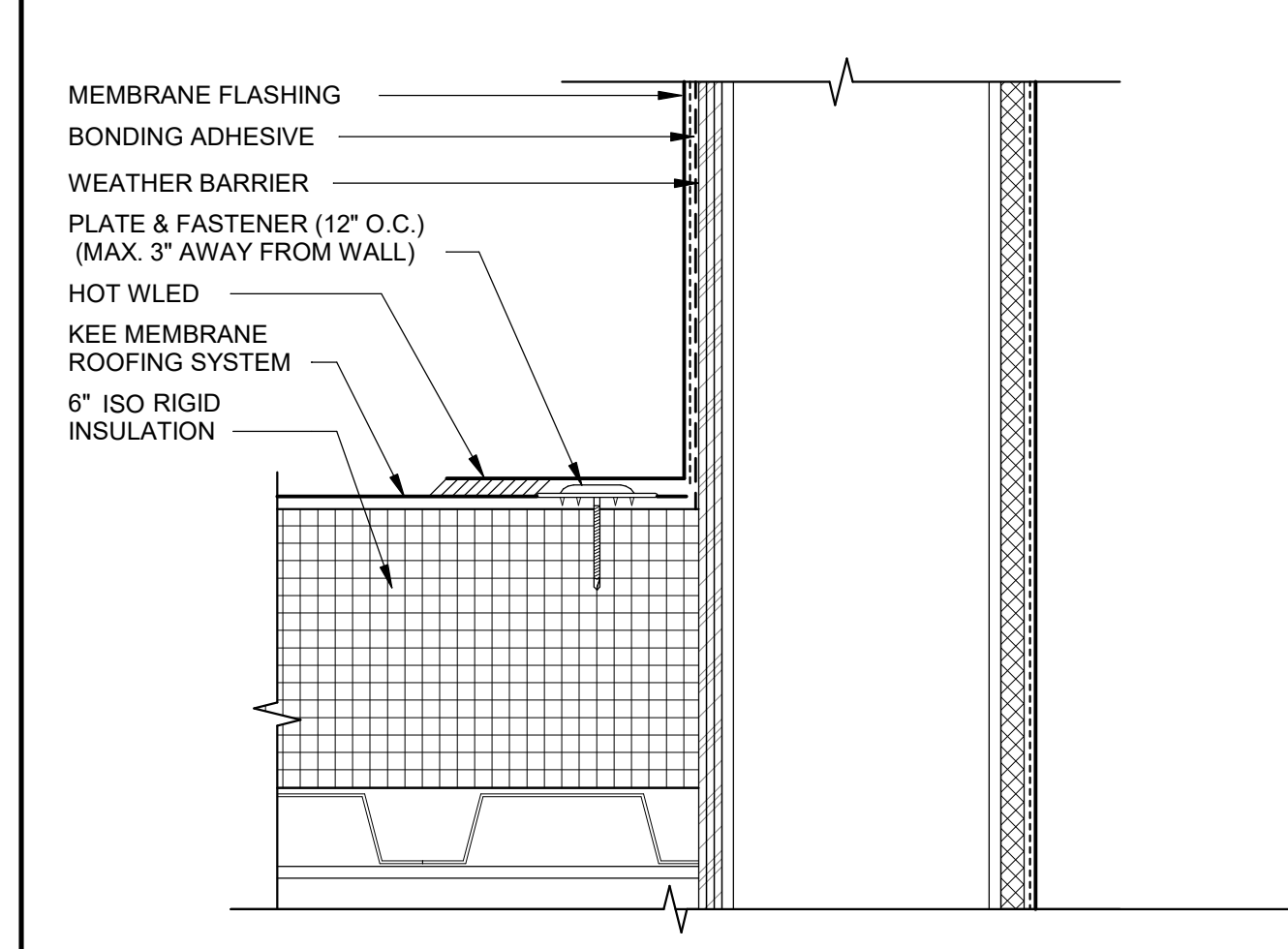
**PARAPET CAP AT CEMENT PLASTER** 3" = 1'-0" 3



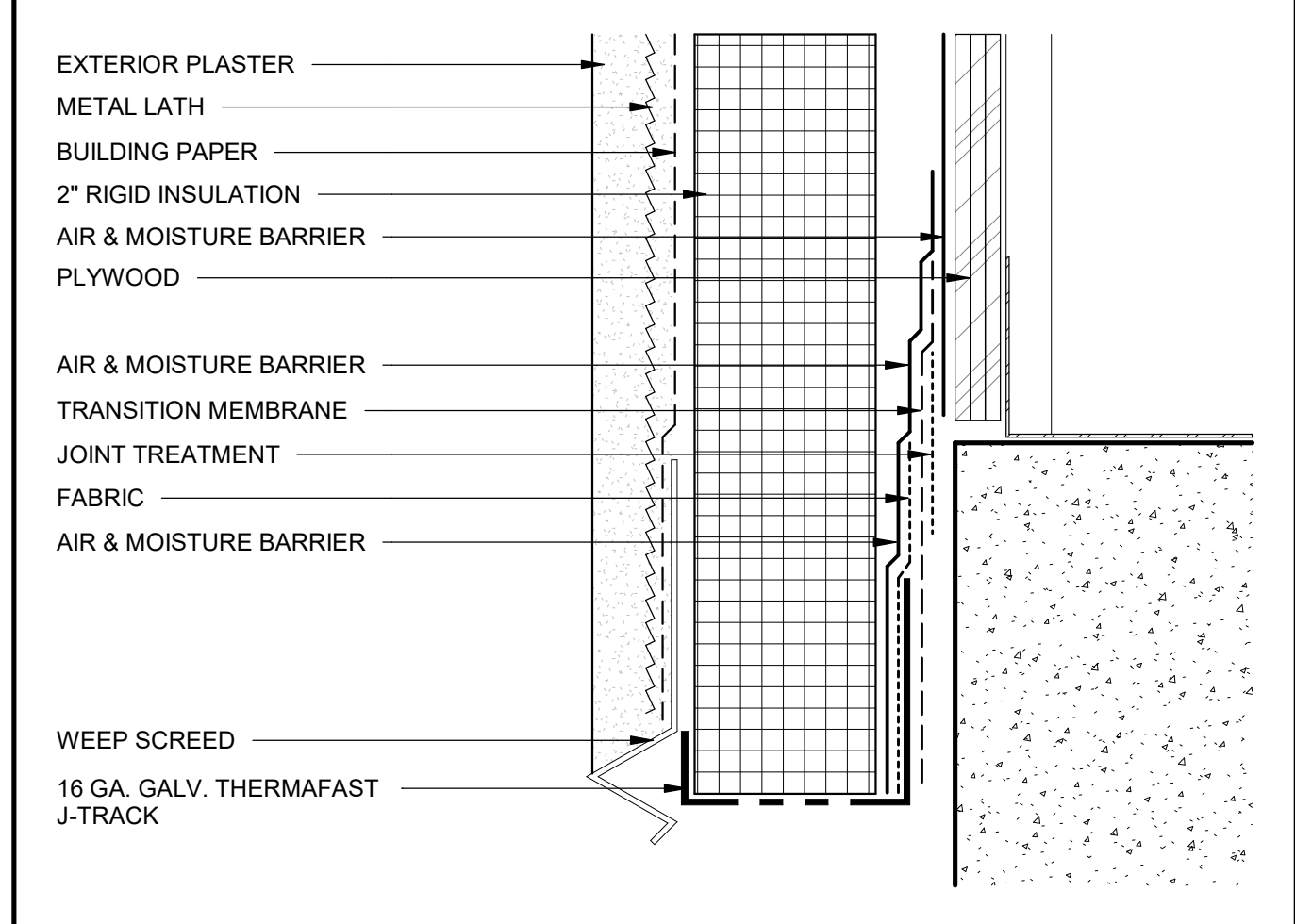
**WALL TO ROOF AT FRAMED WALL** 3" = 1'-0" 9



**EXTERIOR PLASTER AT GRADE** 3" = 1'-0" 4



**WALL TO ROOF @ FRAMED WALL BASE** 3" = 1'-0" 10



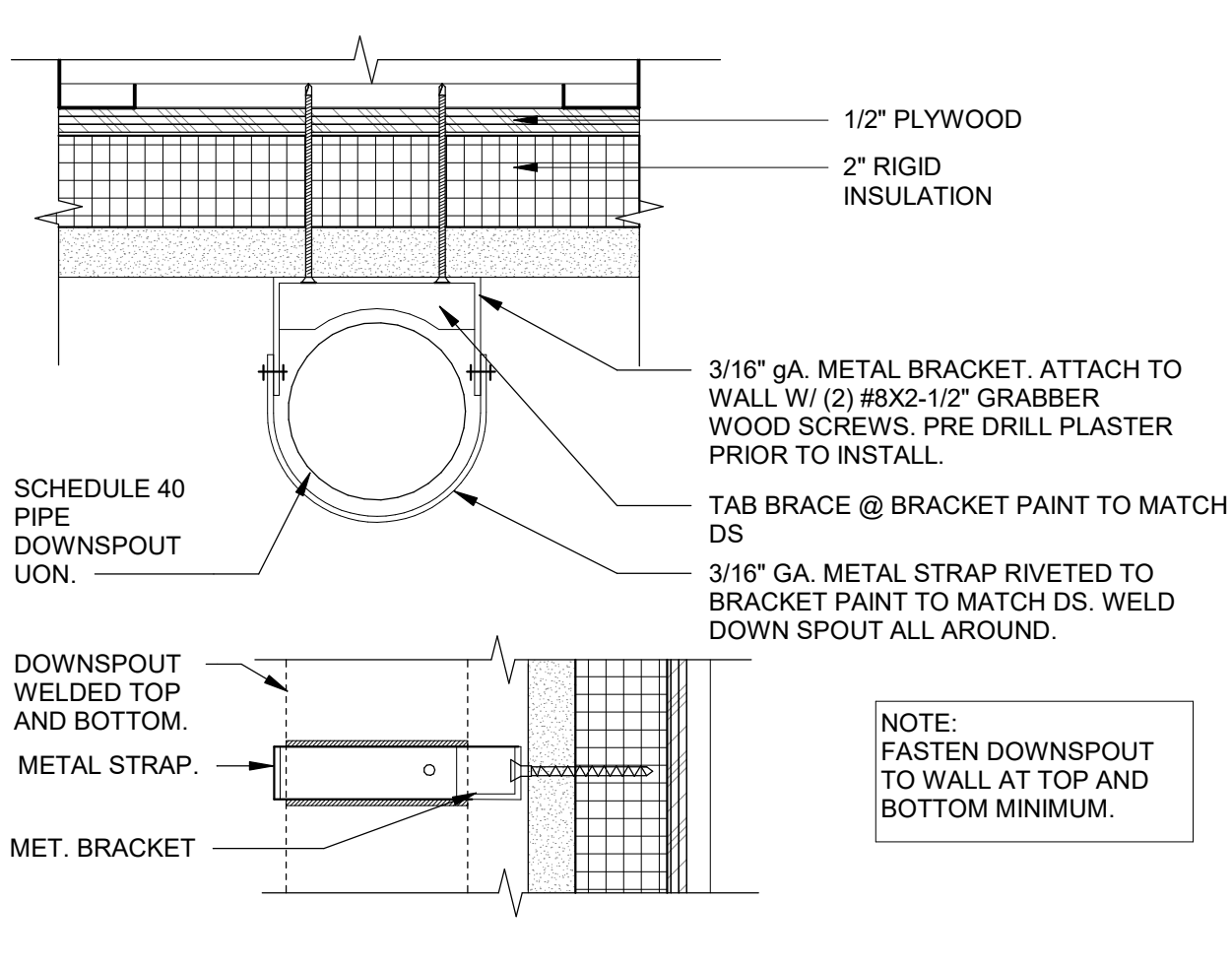
**EXTERIOR PLASTER SILL** 6" = 1'-0" 5



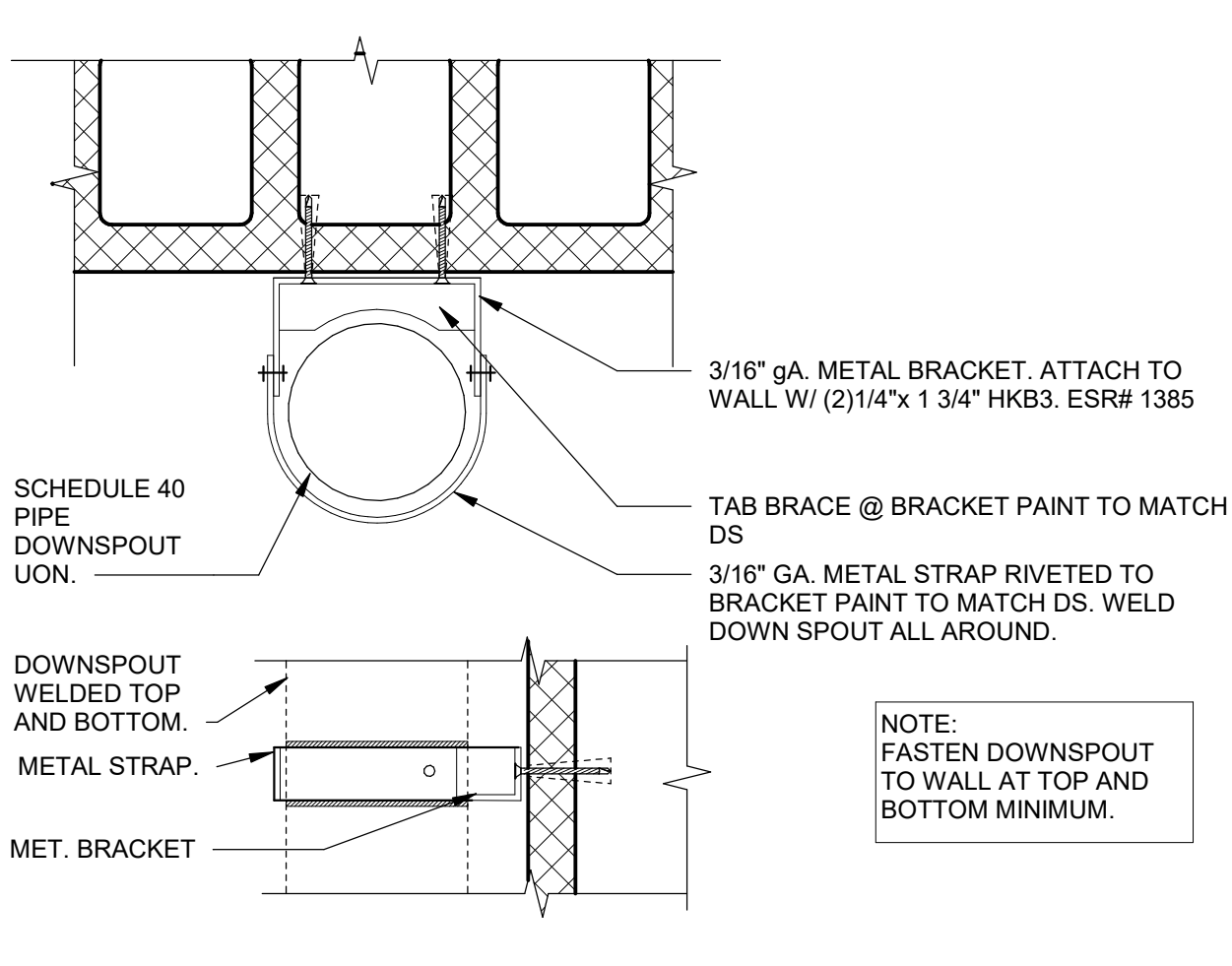
**OVERFLOW MTL.** 3" = 1'-0" 18



**DOWNSPOUT @ MTL. FRAMED WALL** 3" = 1'-0" 13



**OVERFLOW CMU** 3" = 1'-0" 19



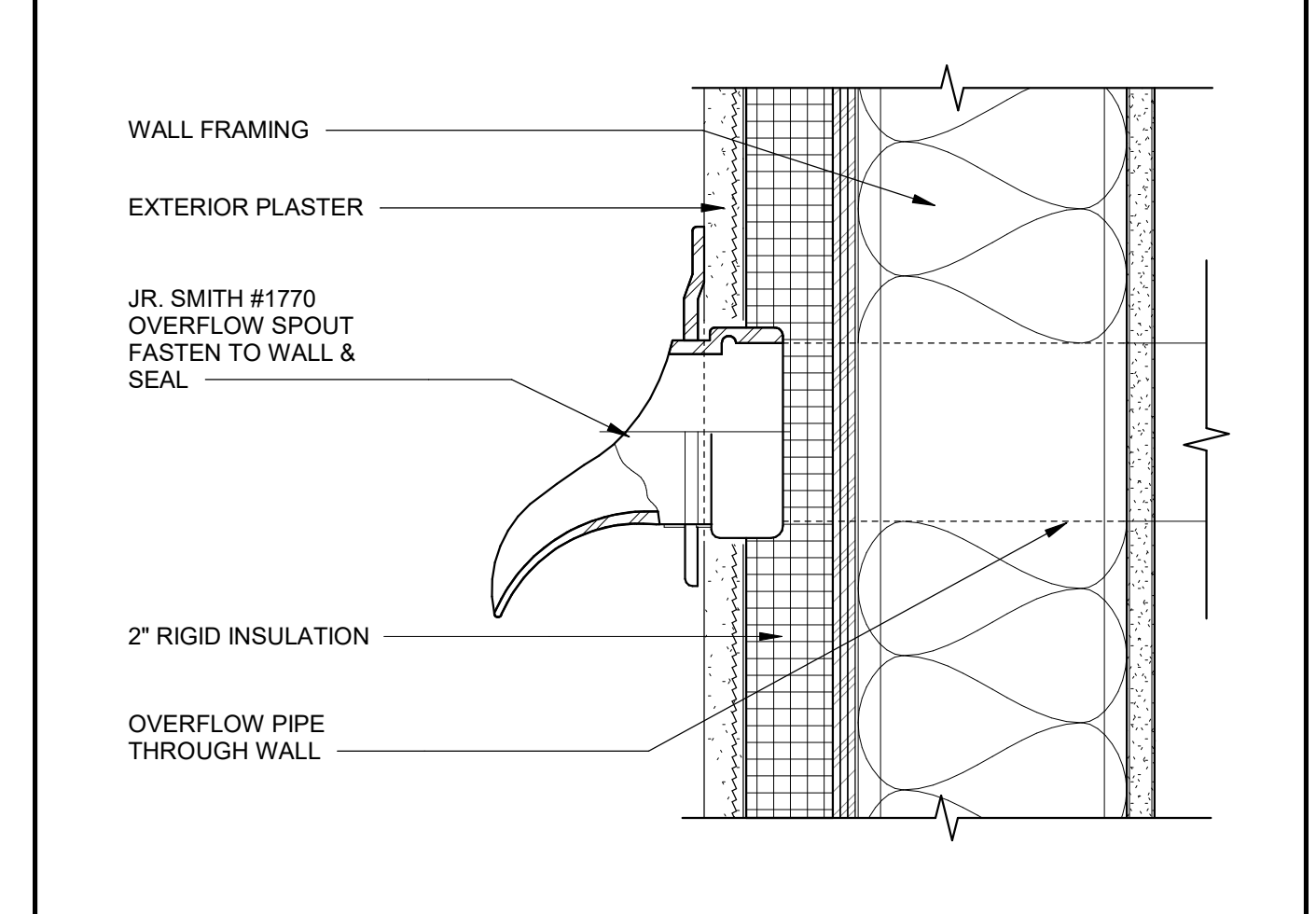
**DOWNSPOUT @ CMU WALL** 3" = 1'-0" 14



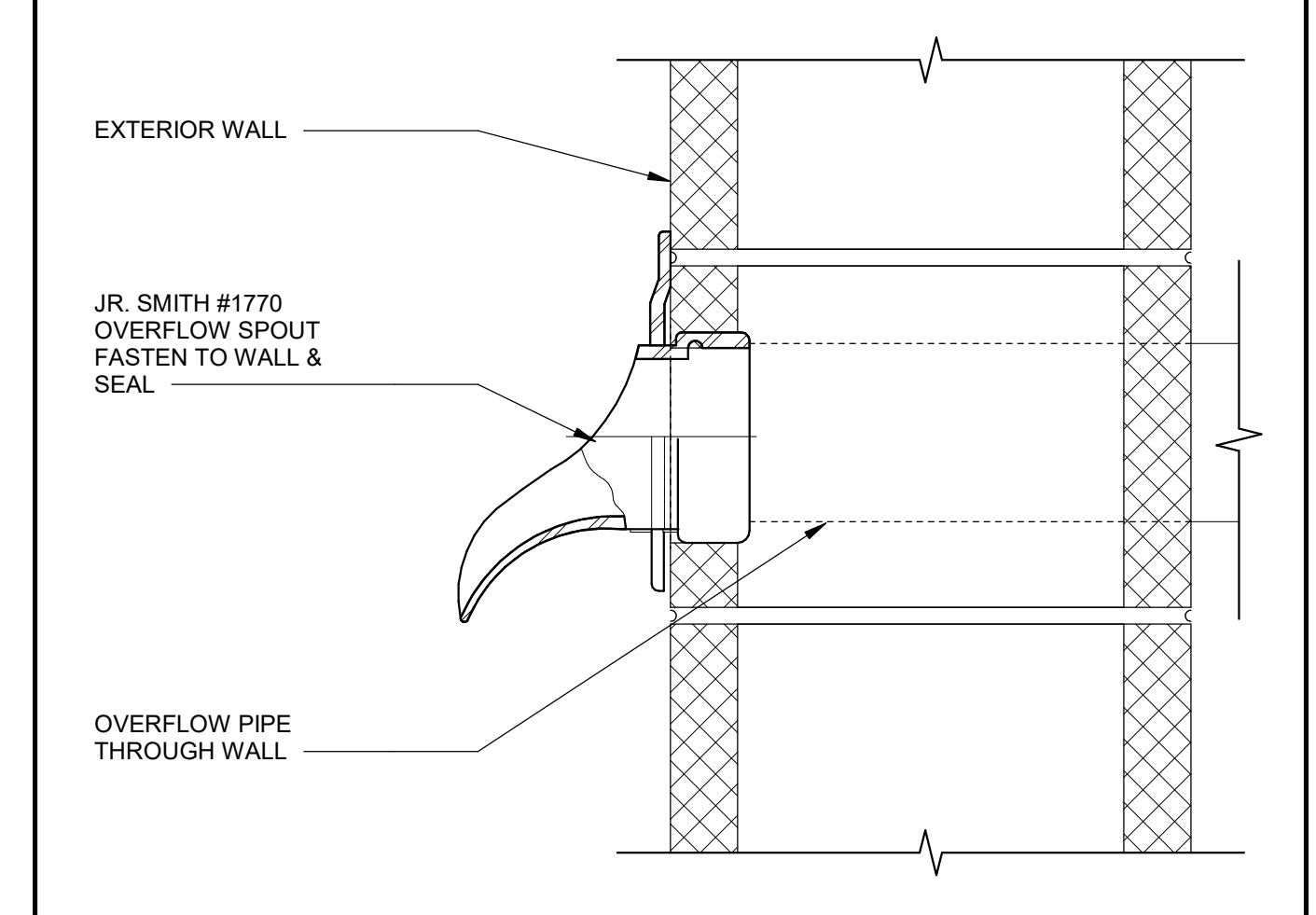
**COPING & FLASHING @ PILASTER** 1 1/2" = 1'-0" 21



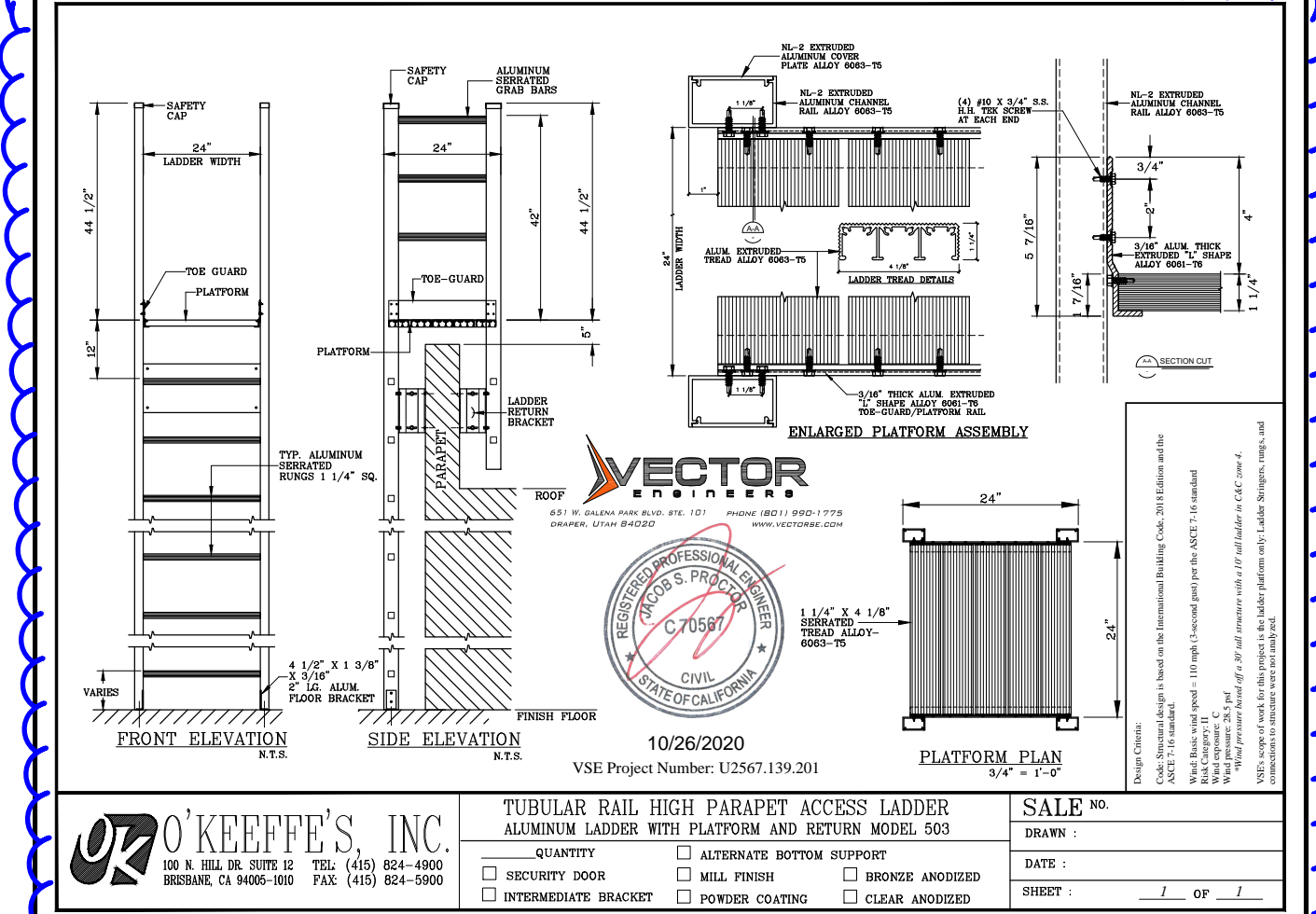
**PARAPET LADDER** 1" = 1'-0" 25



**LADDER MFR DETAIL N.T.S.** 20



**EXTERIOR PLASTER REVEAL MTL.** 6" = 1'-0" 15



**WALL TO ROOF @ FRAMED WALL BASE** 3" = 1'-0" 10

FILE LOCATION: C:\Users\HCruz\Documents\20179.01\_OUSD\_OAHS MUR\_A20\_V2\_hcnz\PB9K.rvt DATE PLOTTED: 3/24/2022 2:03:20 PM

DATE PLOTTED: 3/24/2022 2:03:21 PM FILE LOCATION: C:\Users\hrcruz\Documents\20179\_01\_OUSD\_OAHS\_MUR\_A20\_V2\_hcnz\VPB9K.rvt



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SHEET TITLE

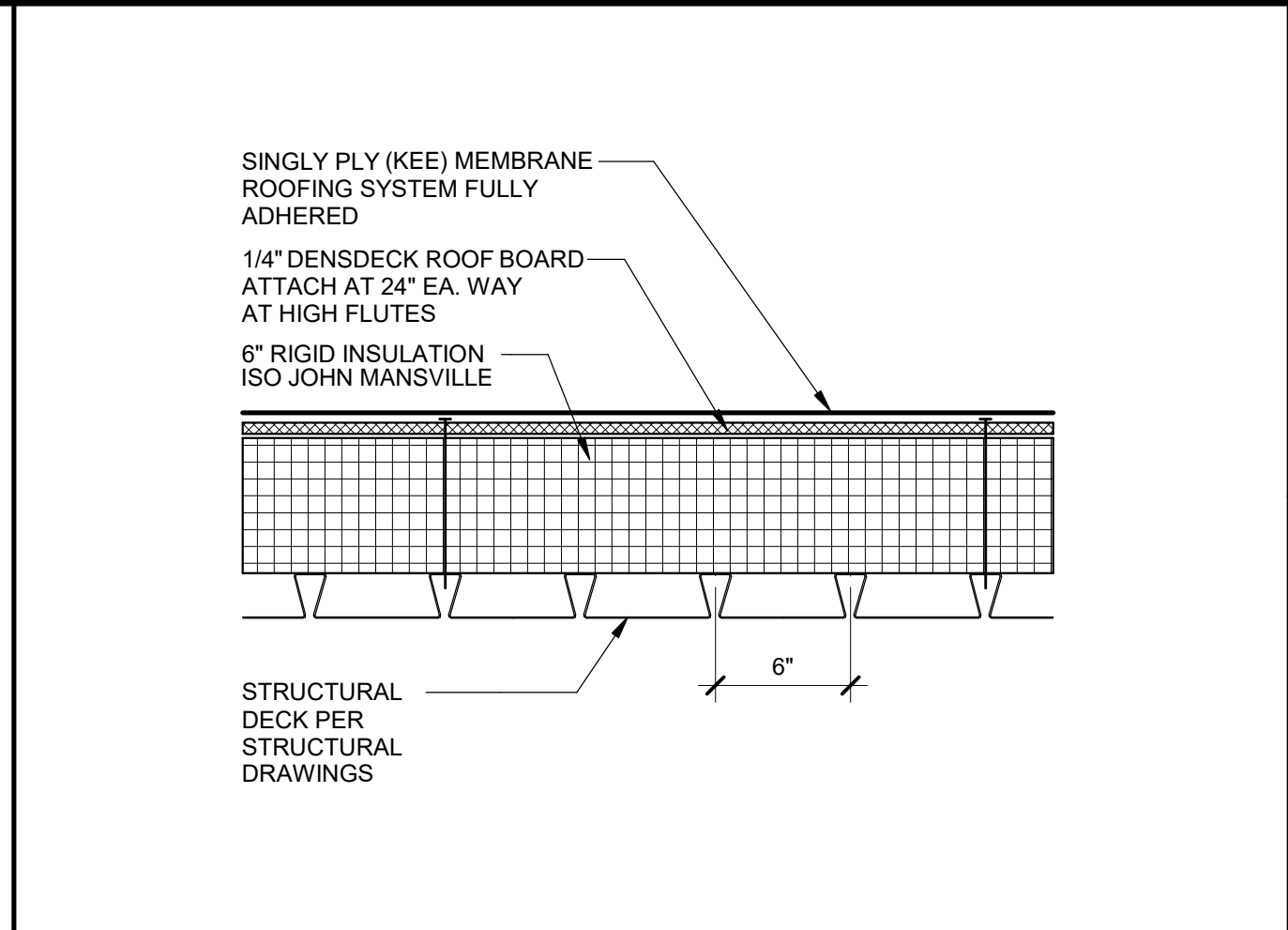
**EXTERIOR DETAILS**

DRAWN BY: Author JOB NUMBER: 20179.01

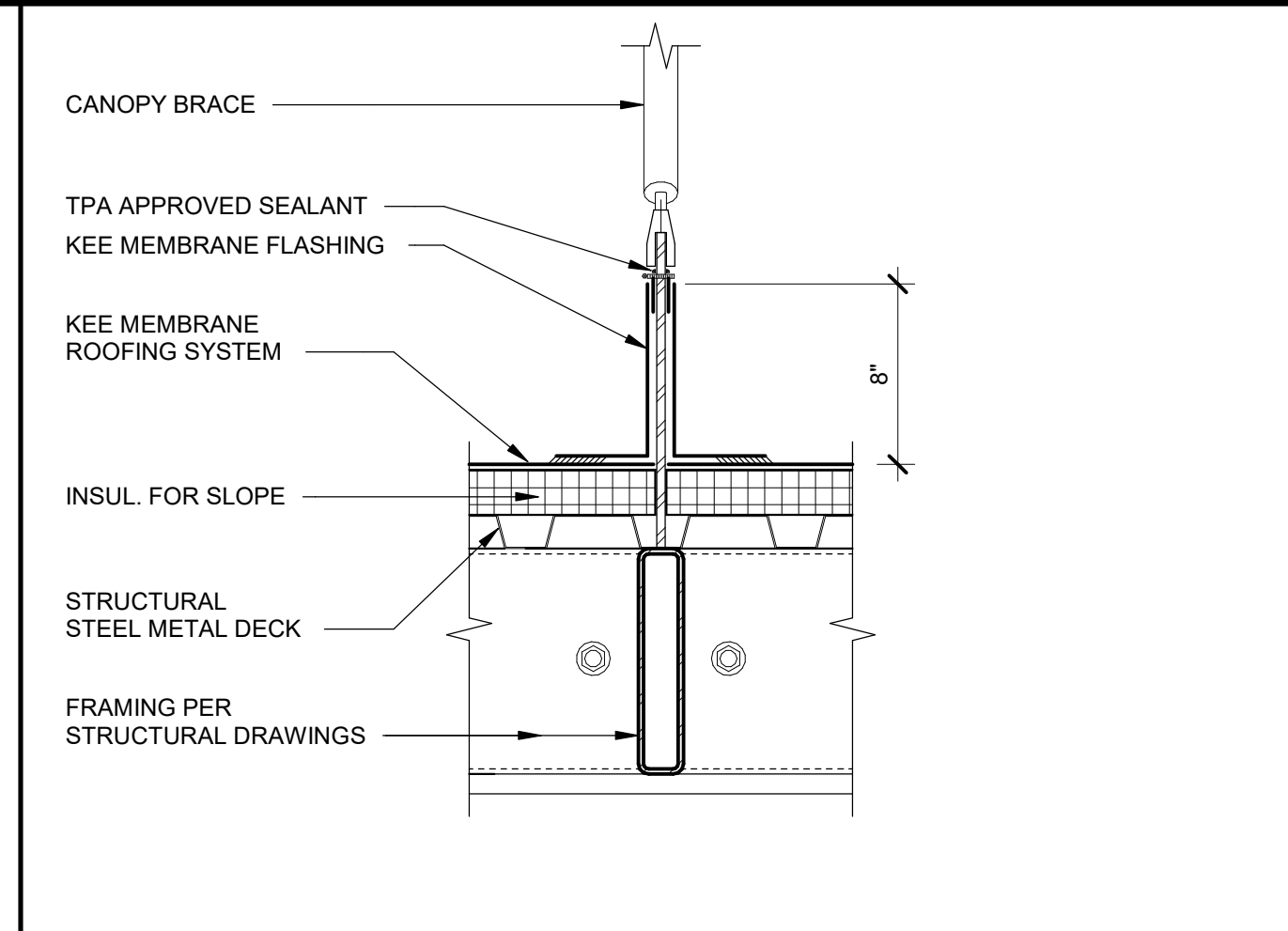
SHEET NO.

**A-702**

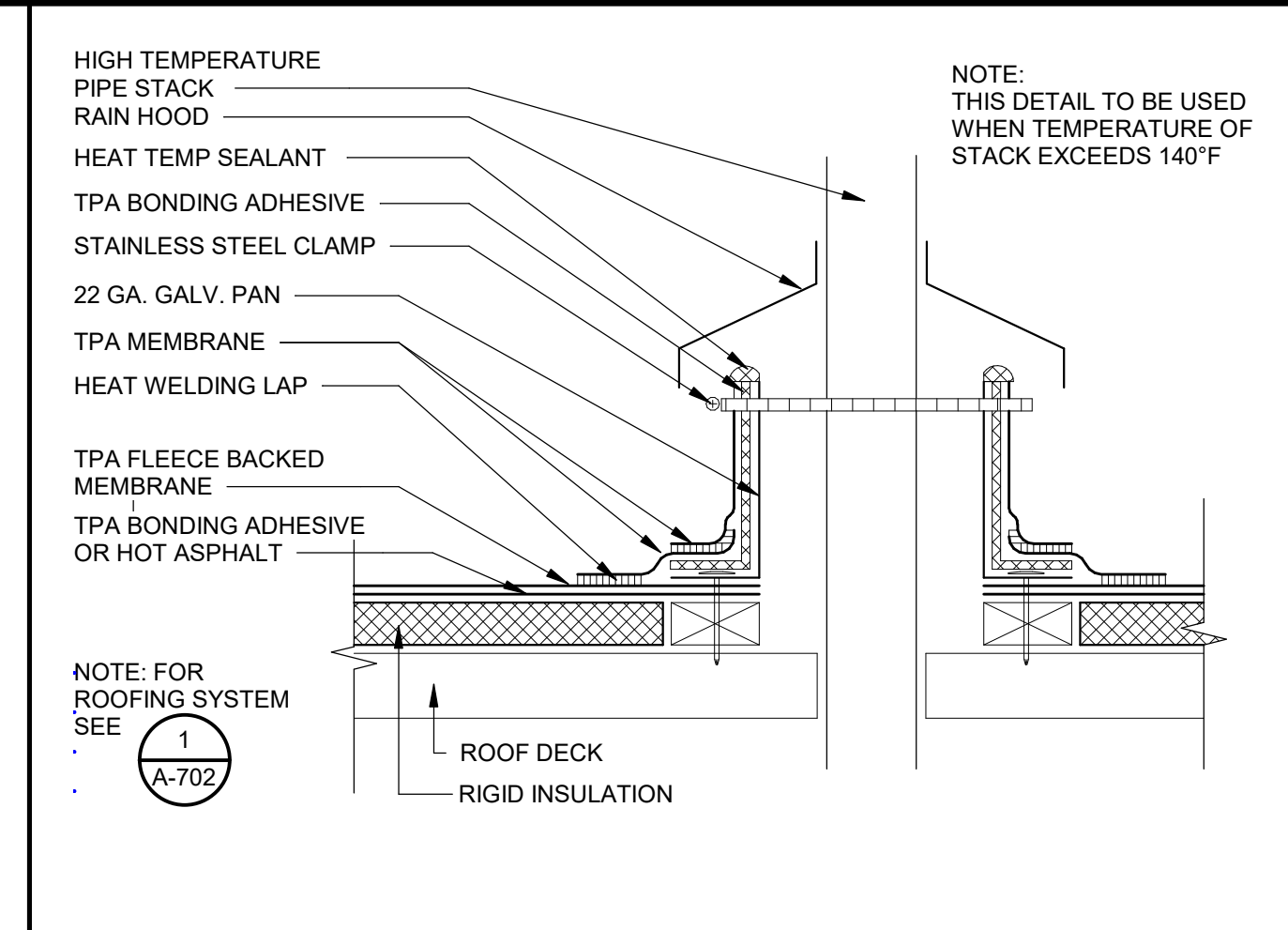
DATE: MAY 10, 2022



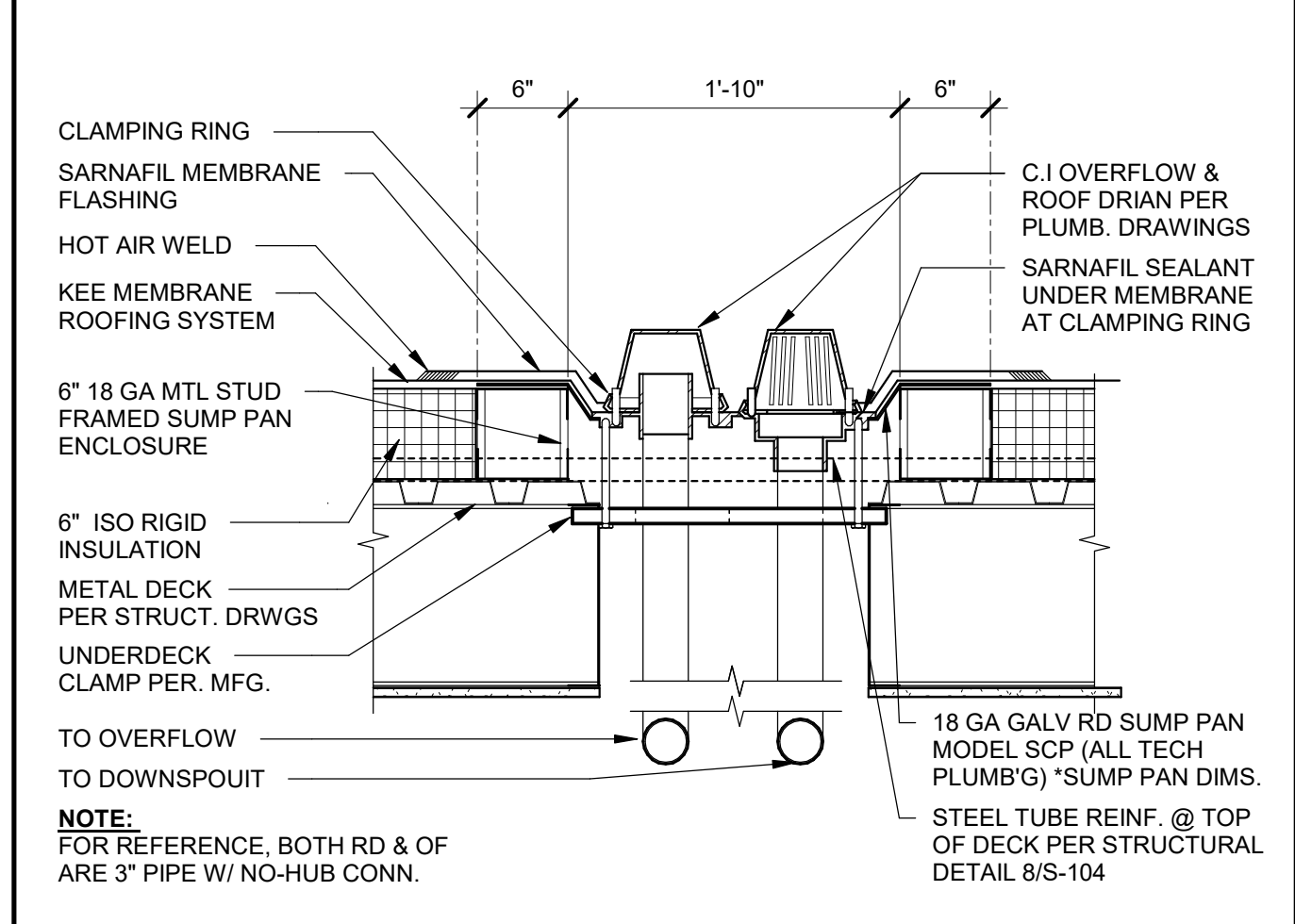
**SINGLE PLY MEMBRANE ROOF SYSTEM** 1 1/2" = 1'-0" 1



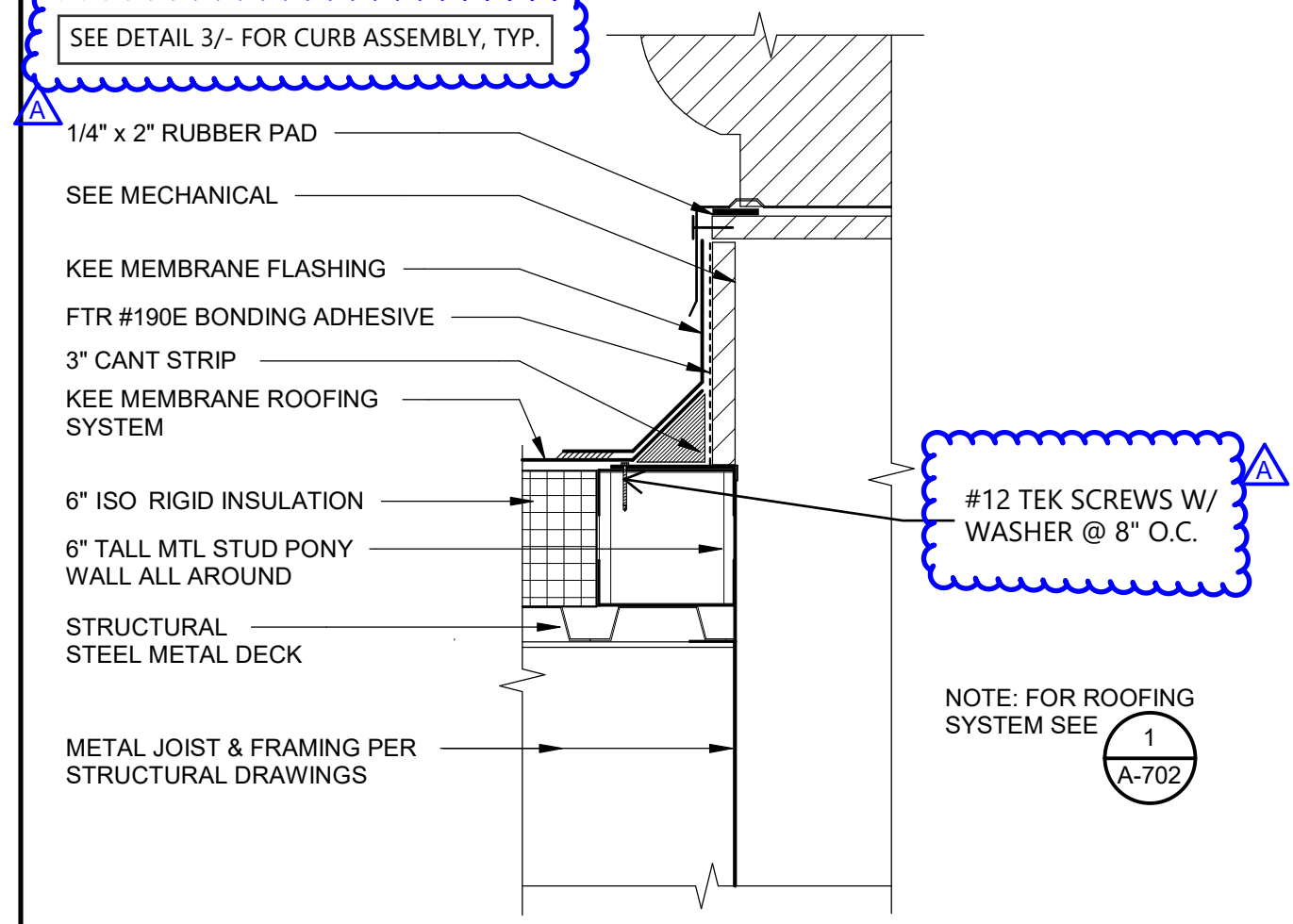
**ROOF FLASHING AT BRACE** 1 1/2" = 1'-0" 6



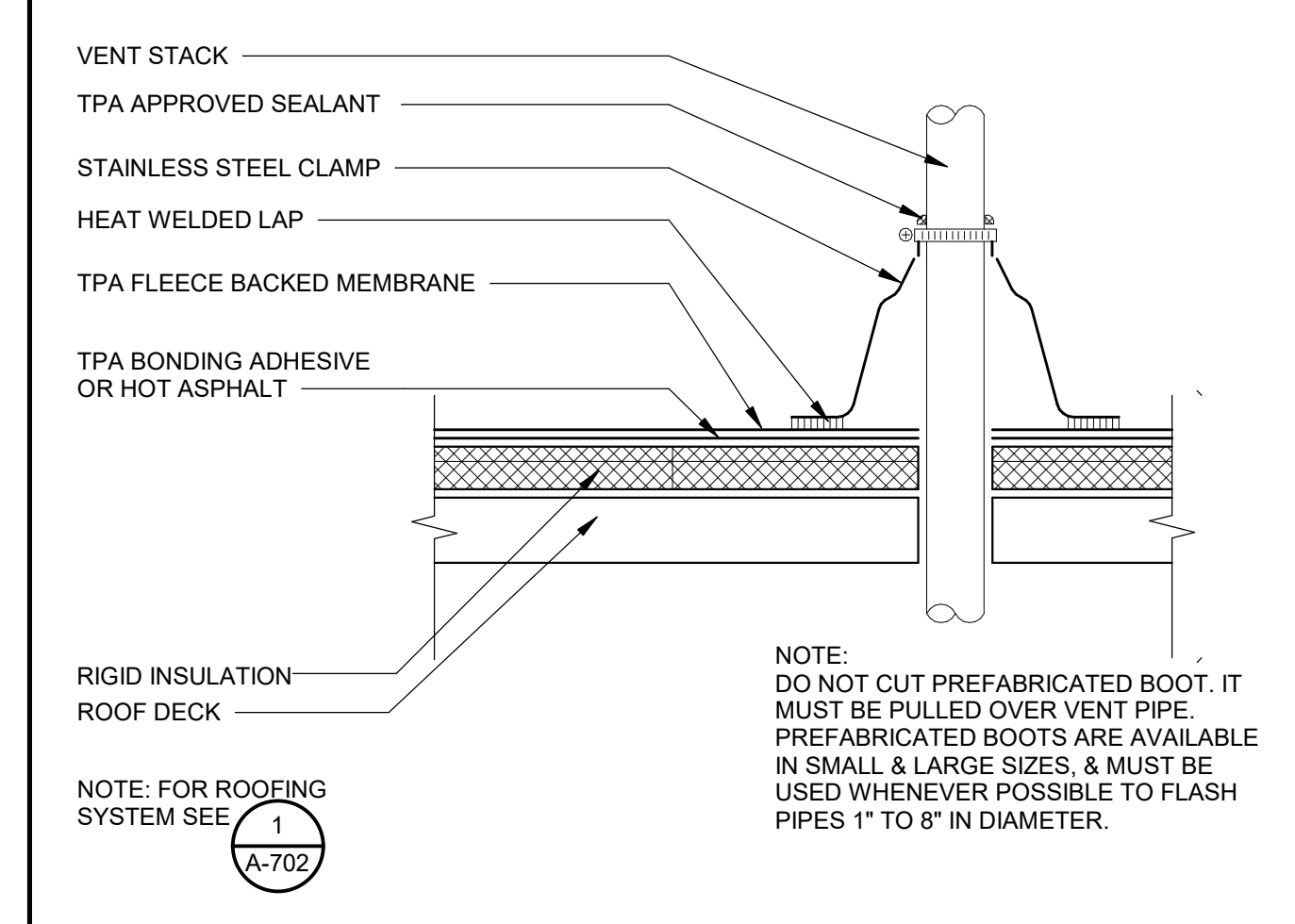
**PIPE FLASHING** 12" = 1'-0" 11



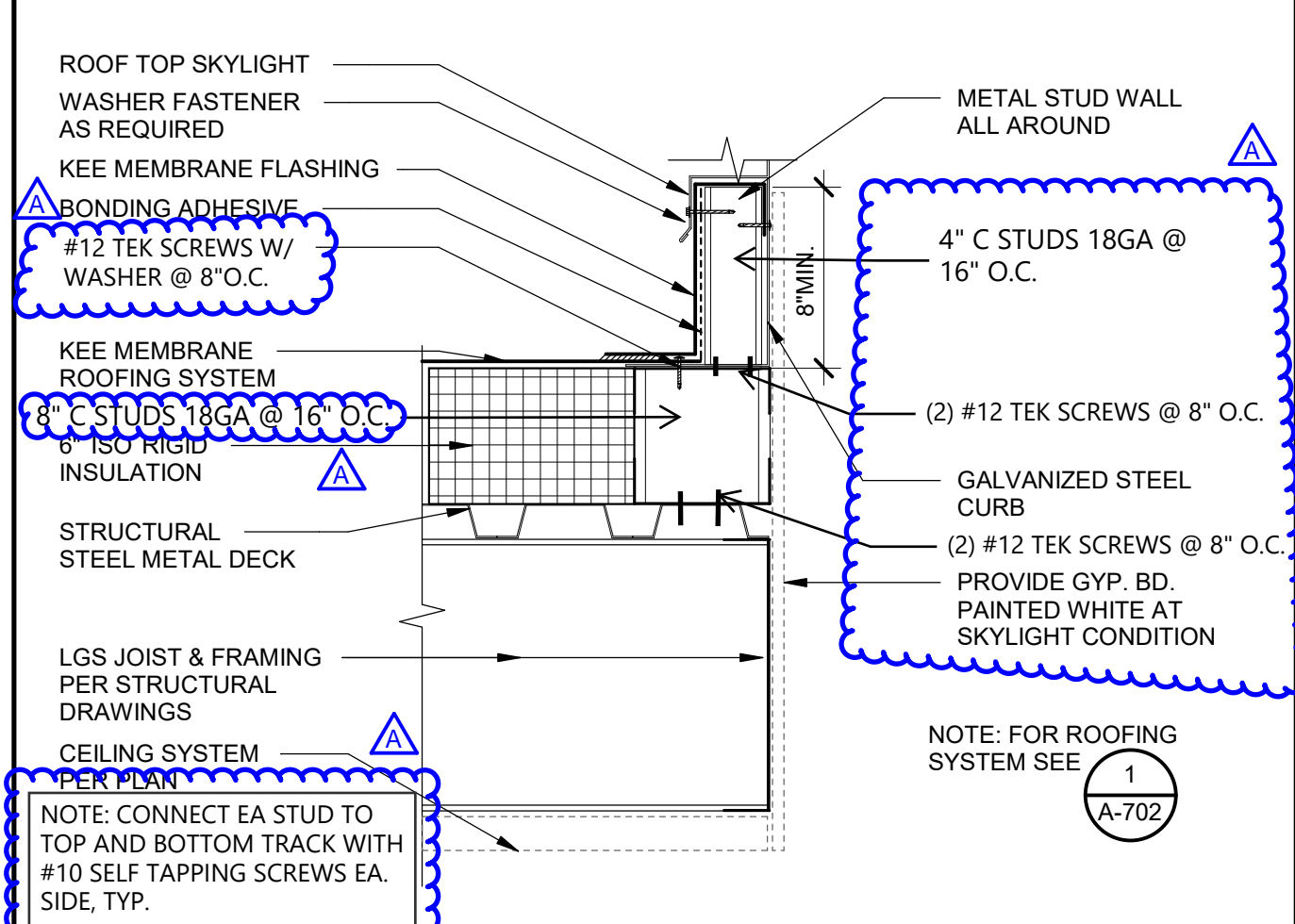
**ROOF DRAIN & OVERFLOW** 1" = 1'-0" 2



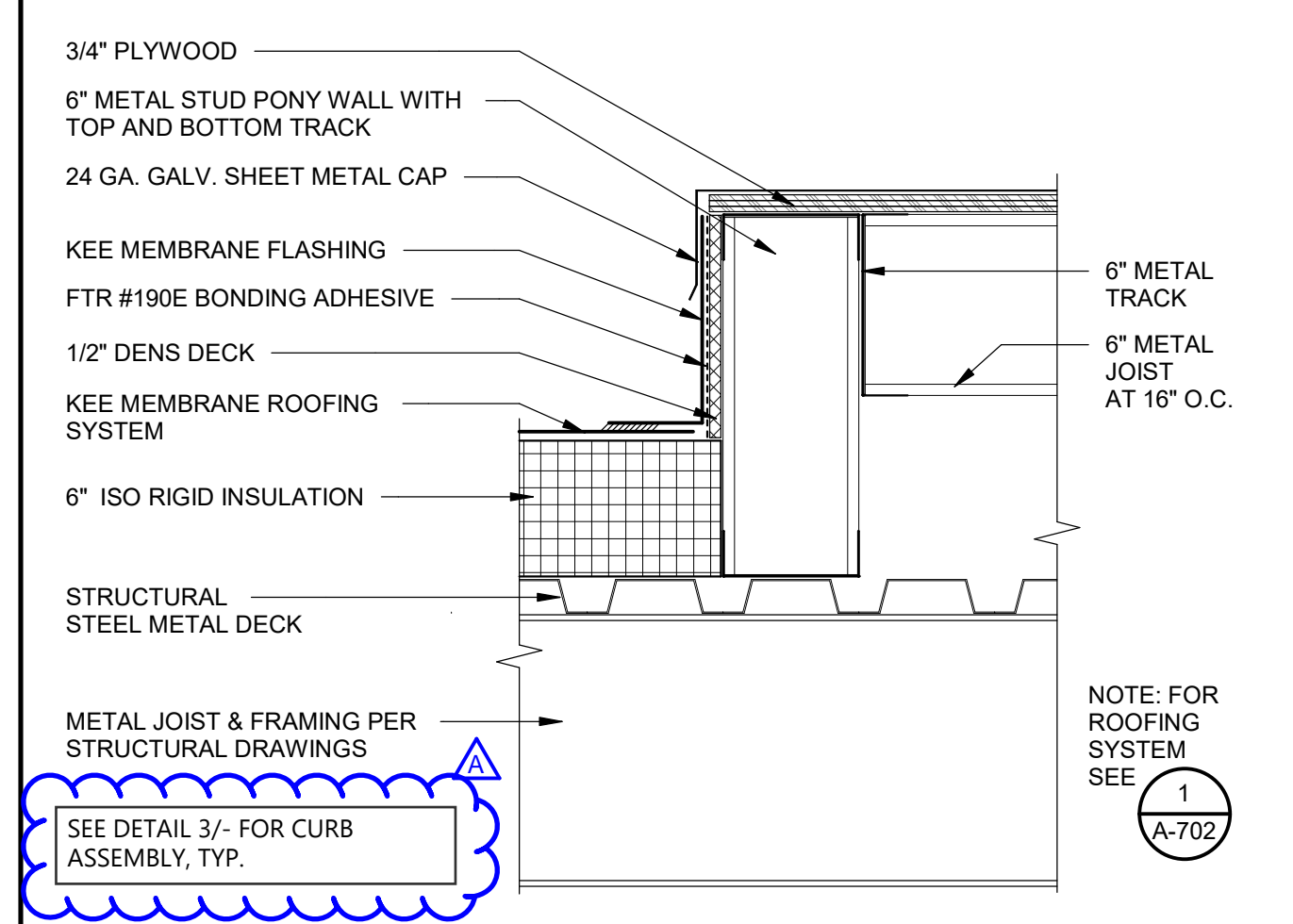
**EXHAUST FAN CURB FLASHING** 1 1/2" = 1'-0" 7



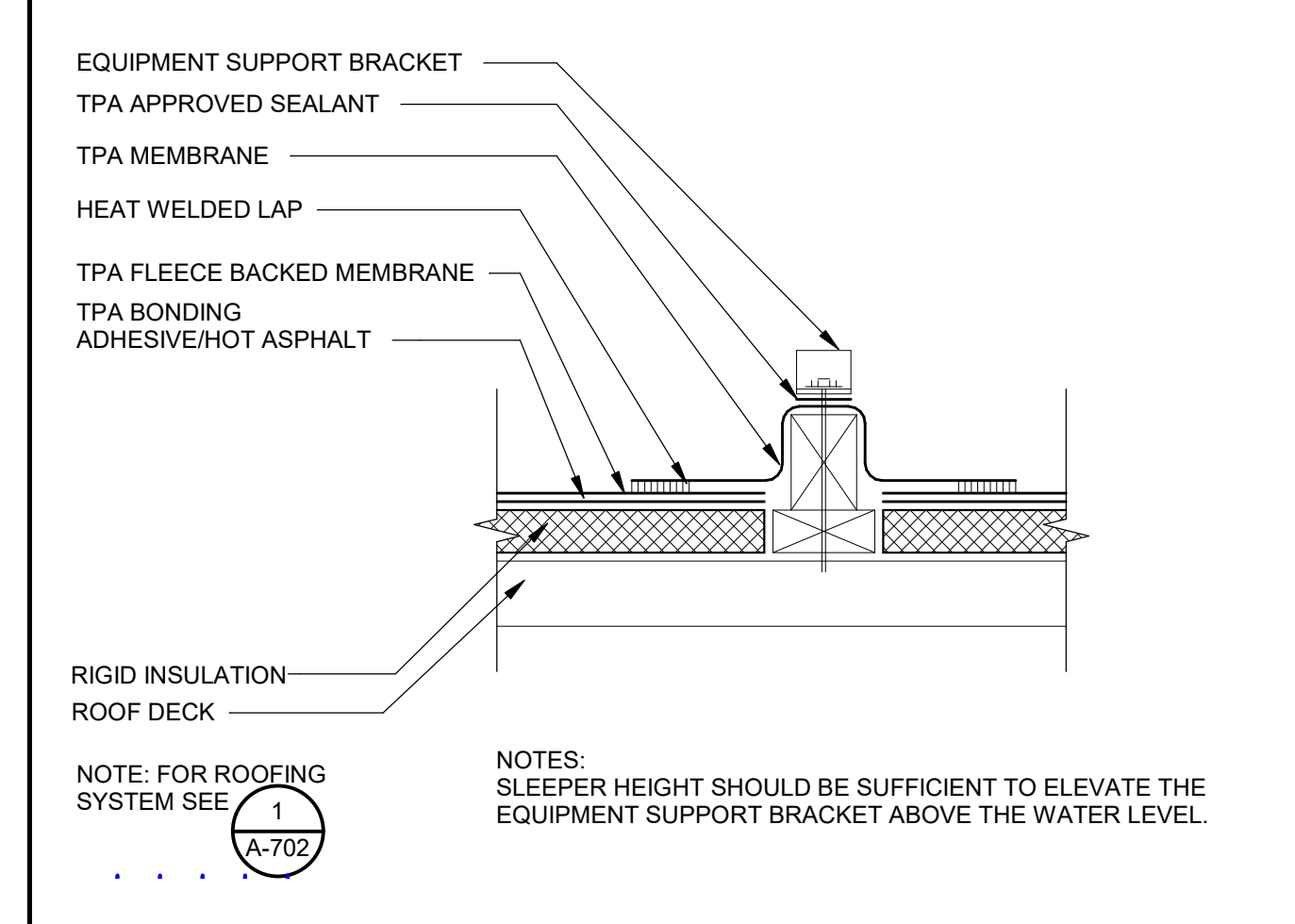
**PREFAB VENT FLASHING** 12" = 1'-0" 12



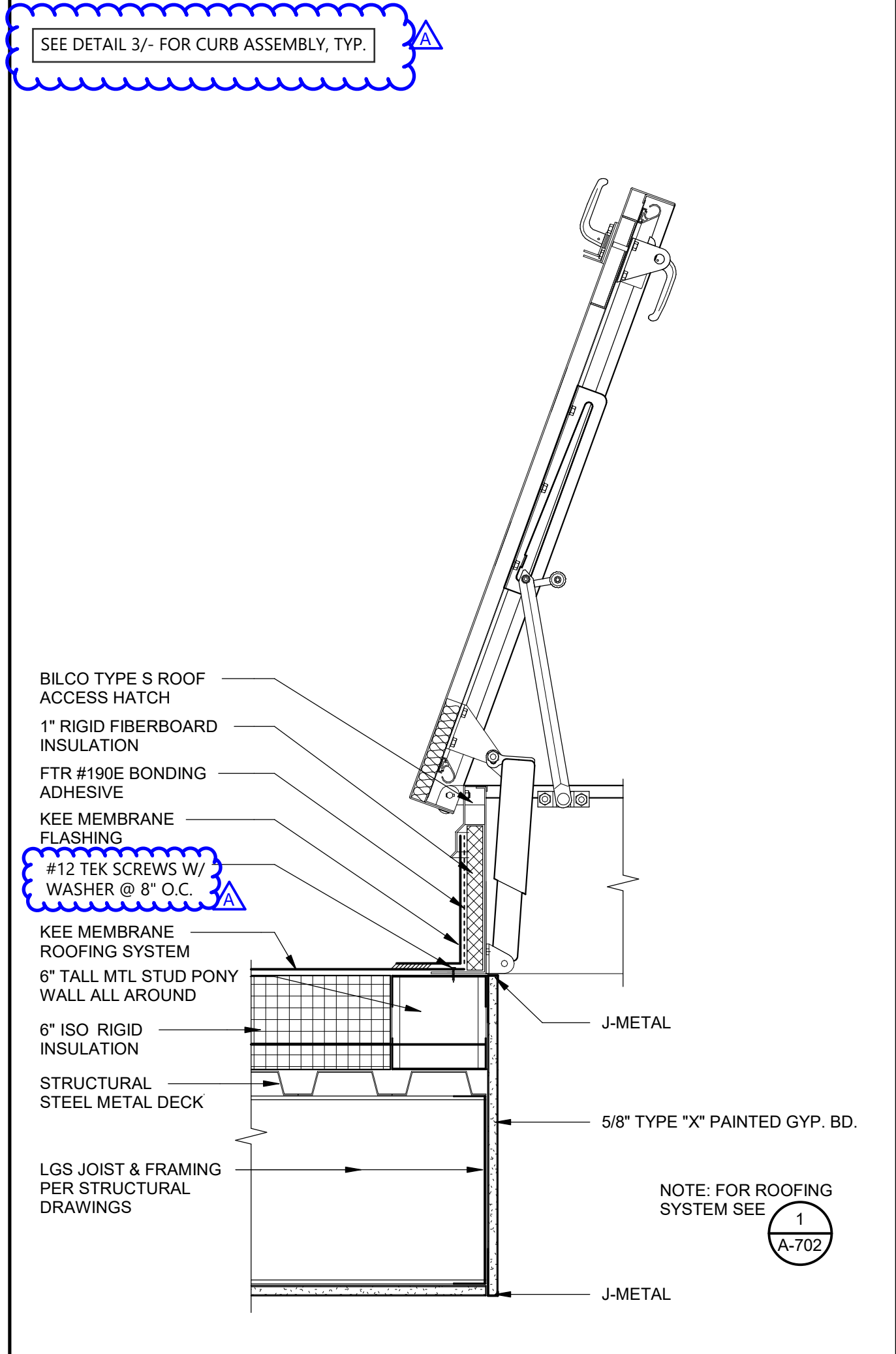
**SKYLIGHT CURB FLASHING** 1 1/2" = 1'-0" 3



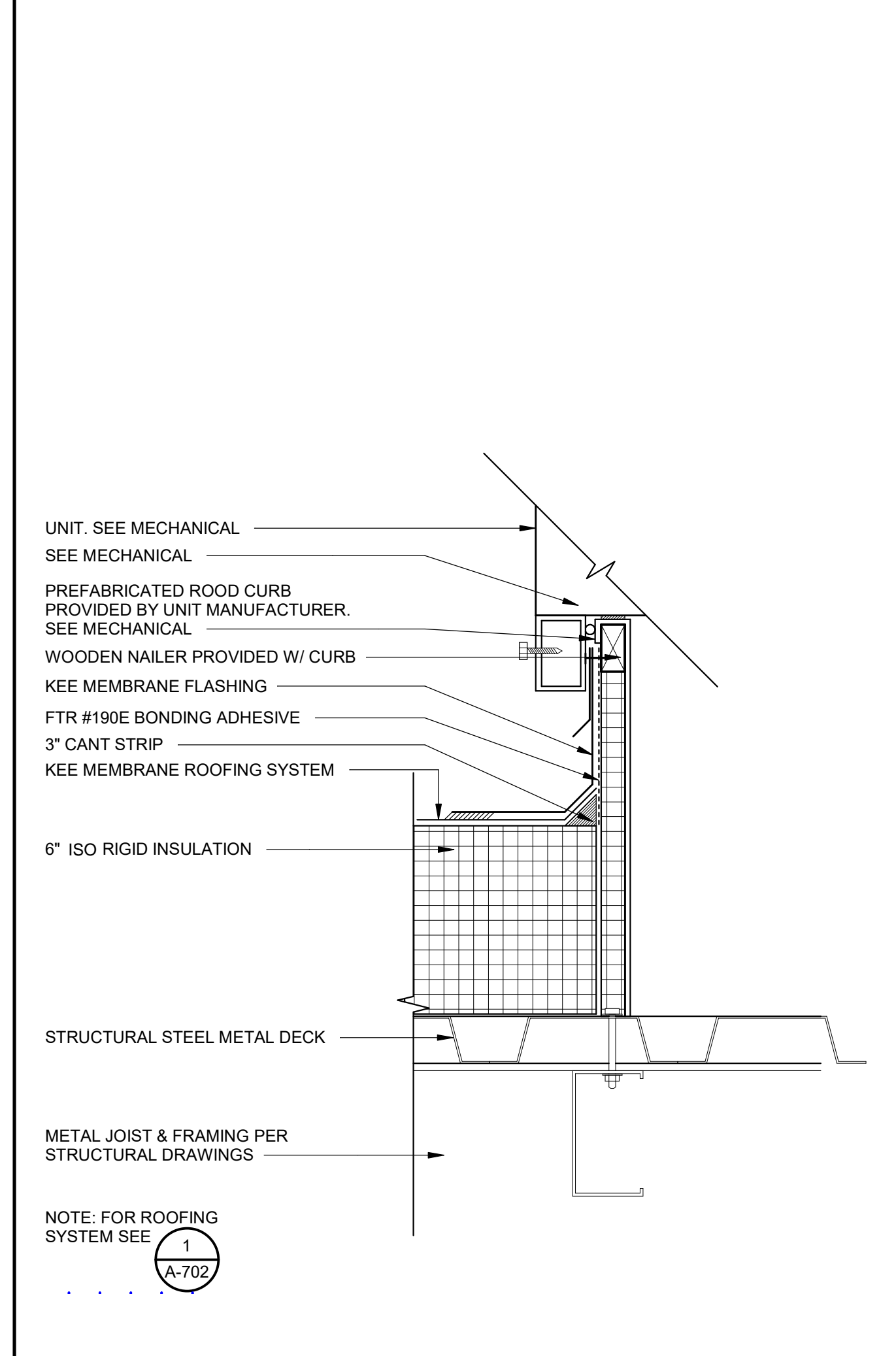
**CONDENSING UNIT CURB FLASHING** 1 1/2" = 1'-0" 8



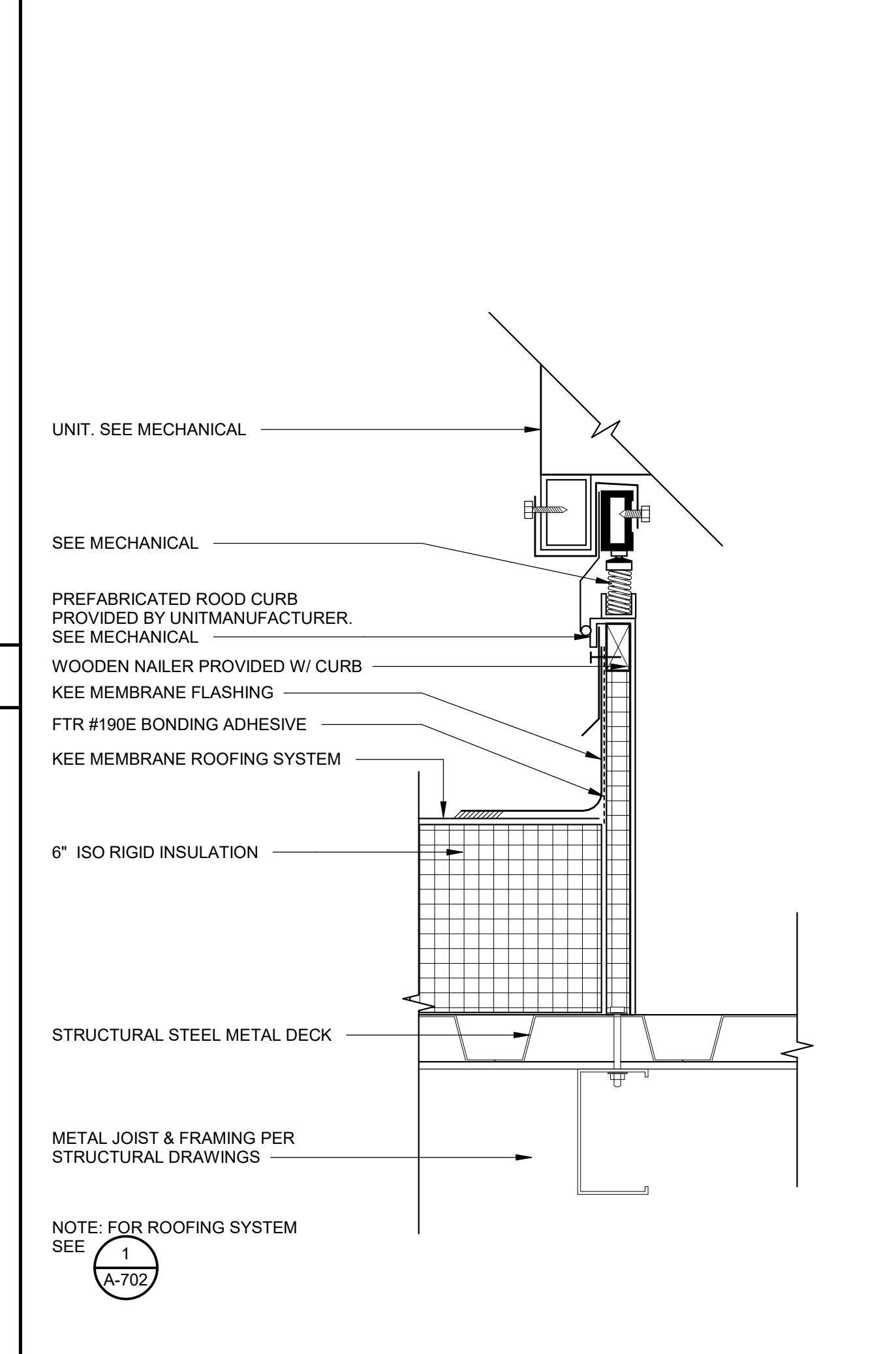
**FIXED EQUIPMENT SUPPORT DETAIL** 12" = 1'-0" 13



**ROOF ACCESS HATCH** 1 1/2" = 1'-0" 5

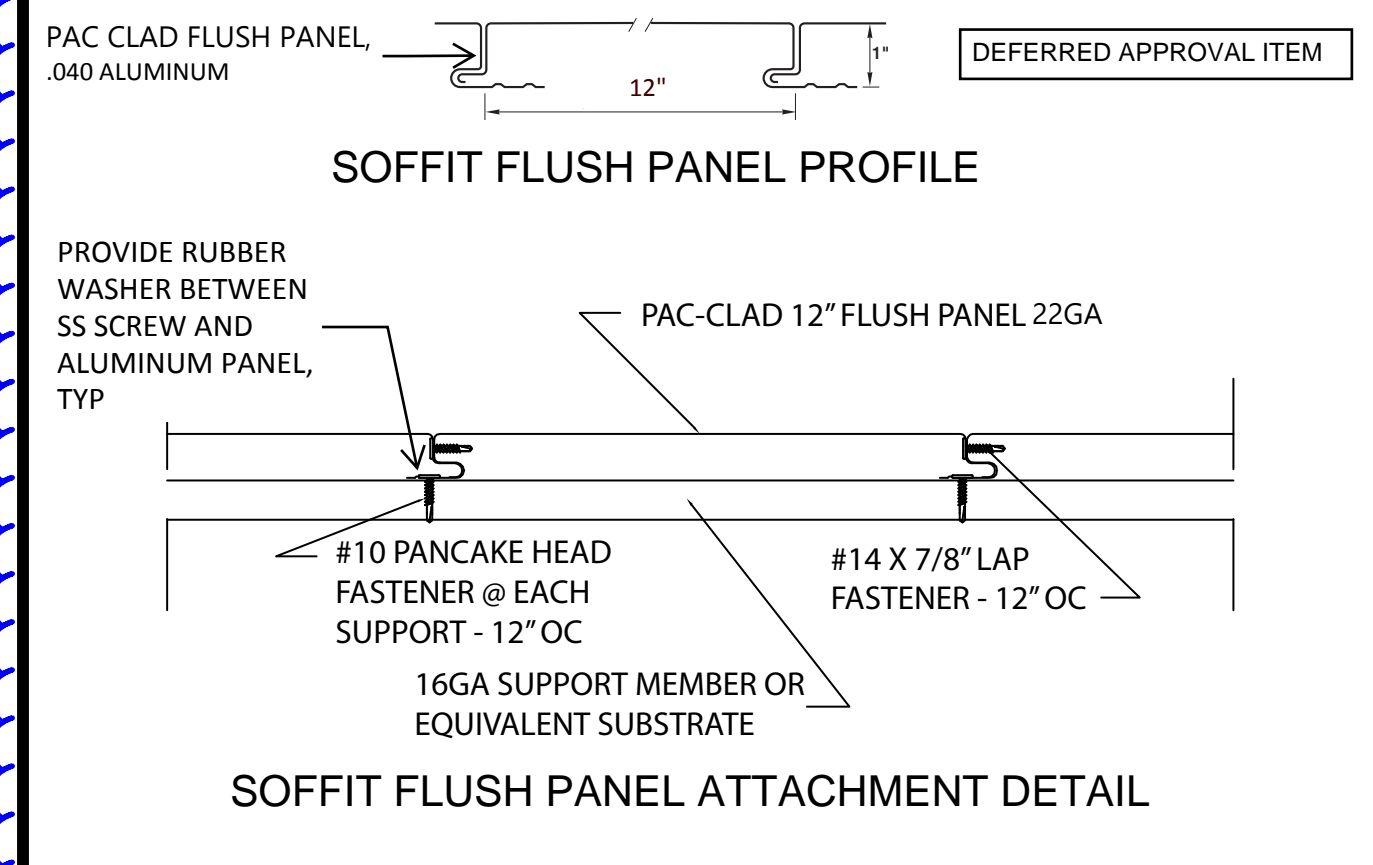


**RTU RIGID CURB FLASHING** 3" = 1'-0" 10

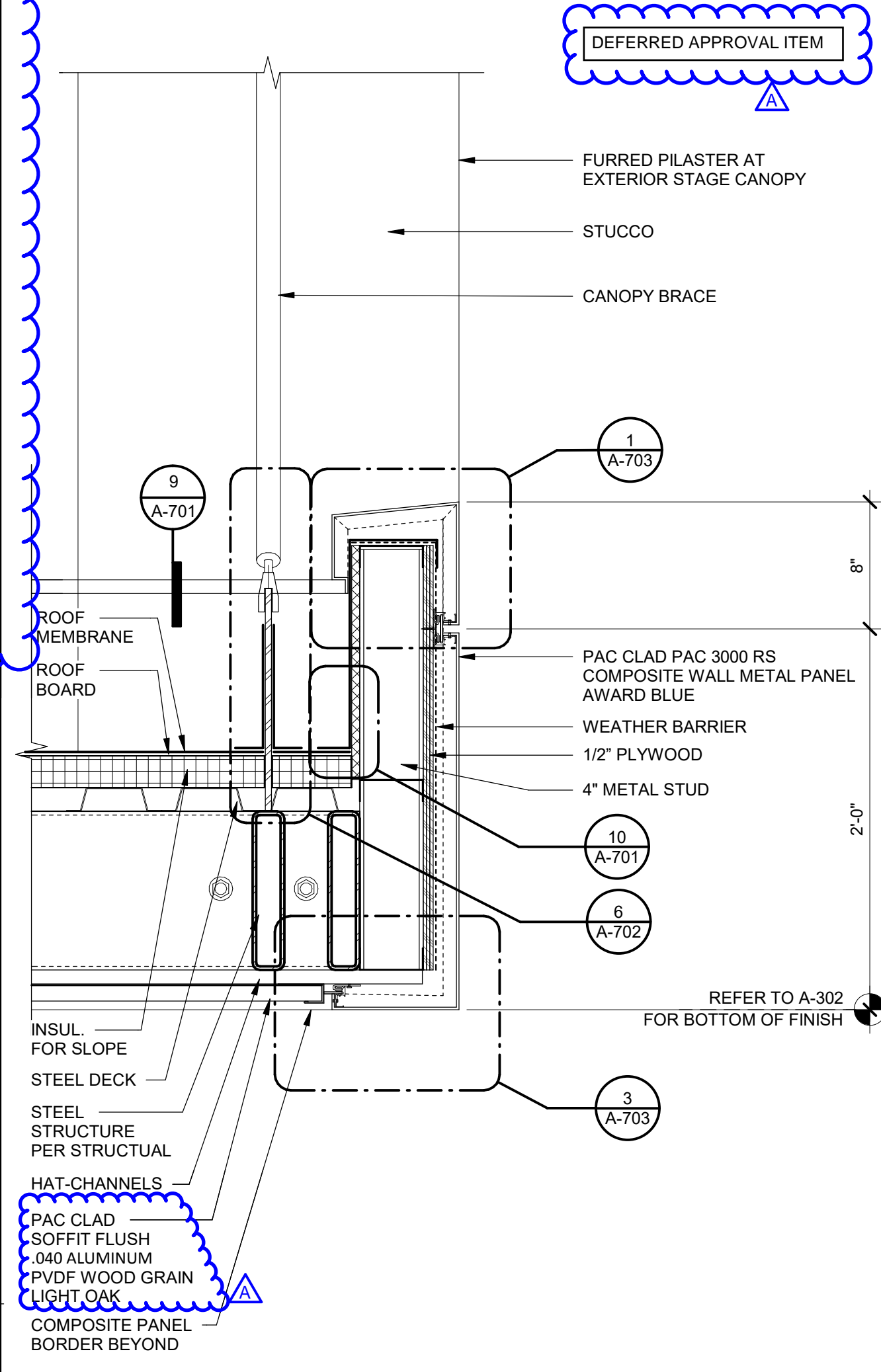


**RTU ISOLATION CURB** 3" = 1'-0" 15

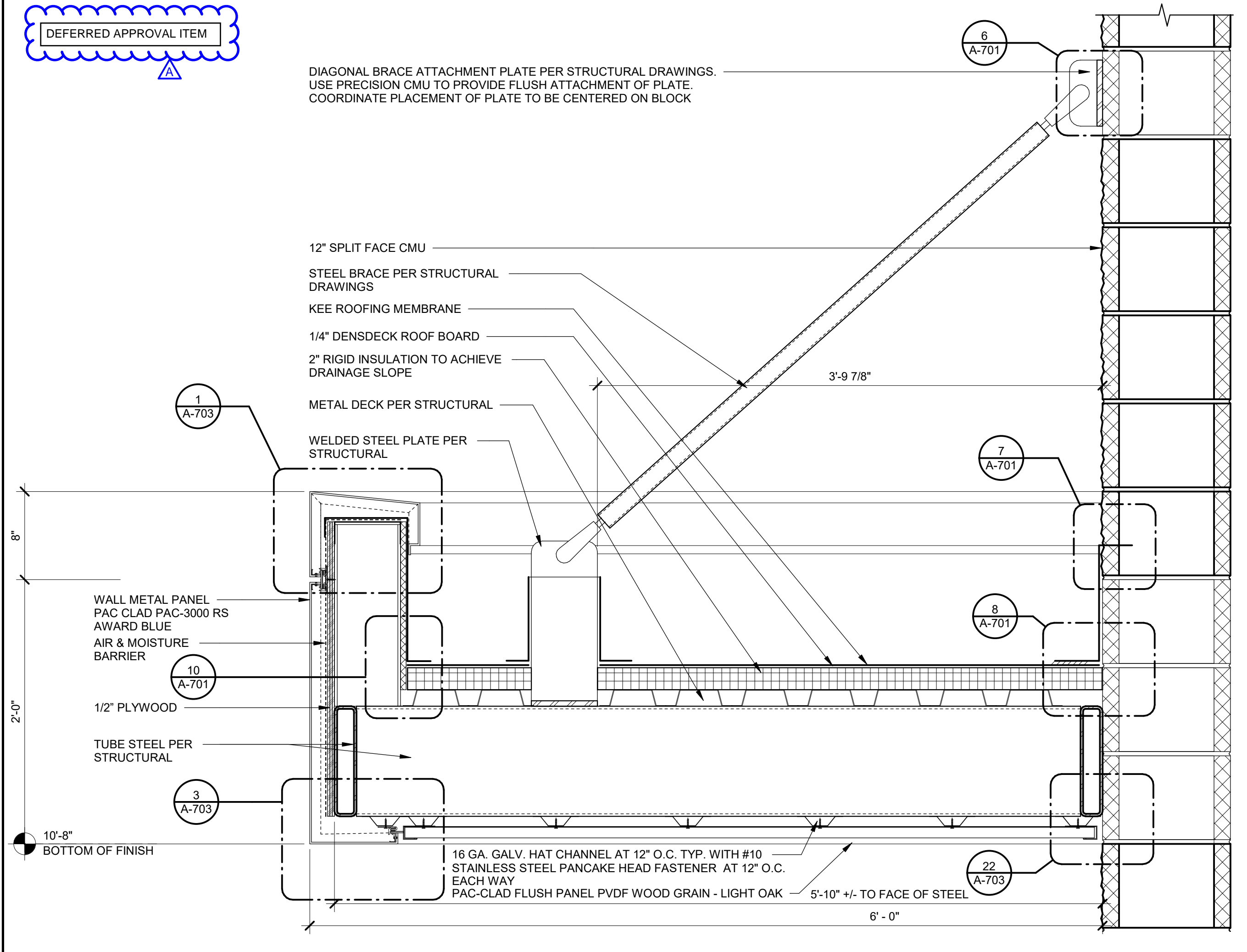
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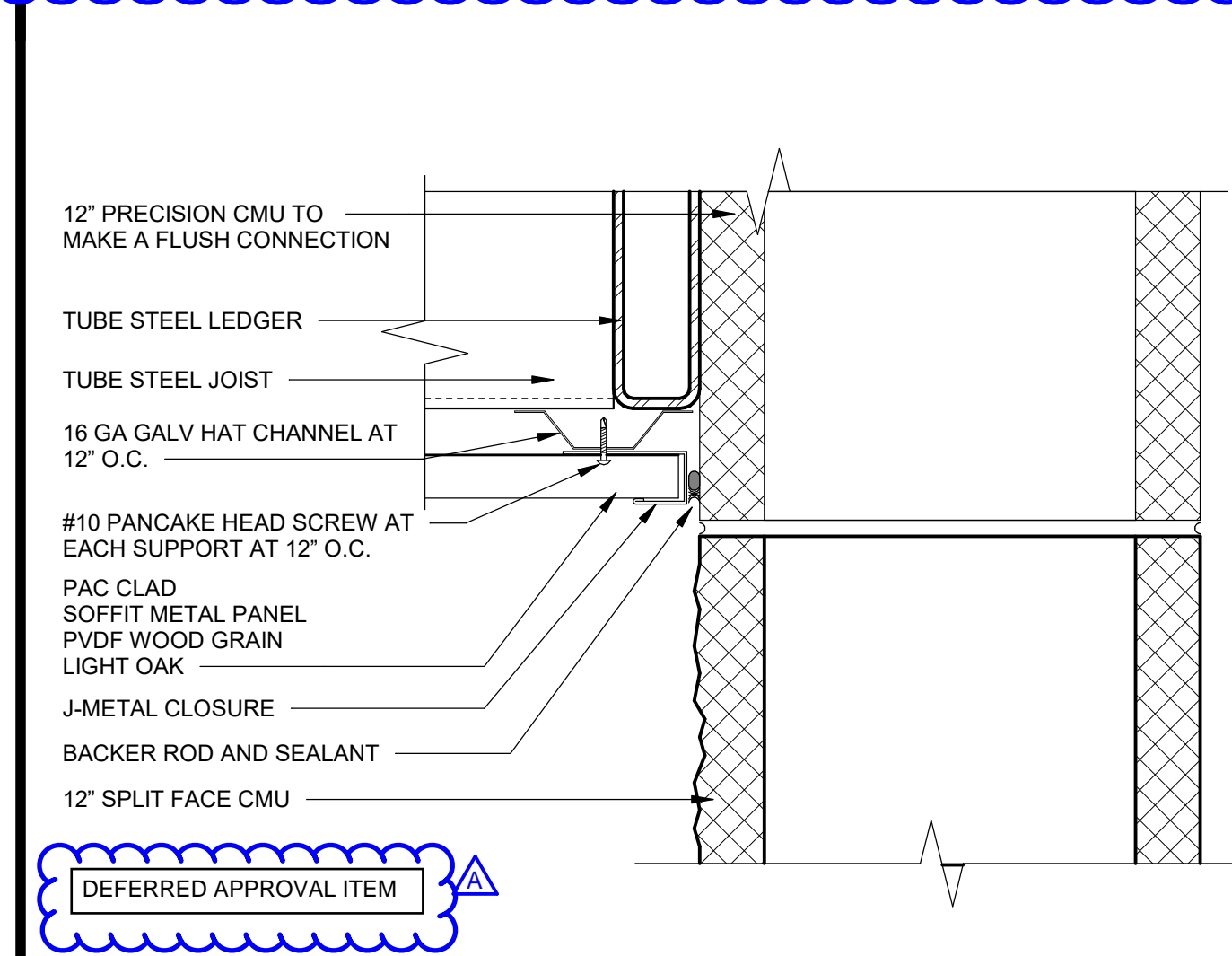
**SOFFIT FLUSH PANEL** N.T.S. 21



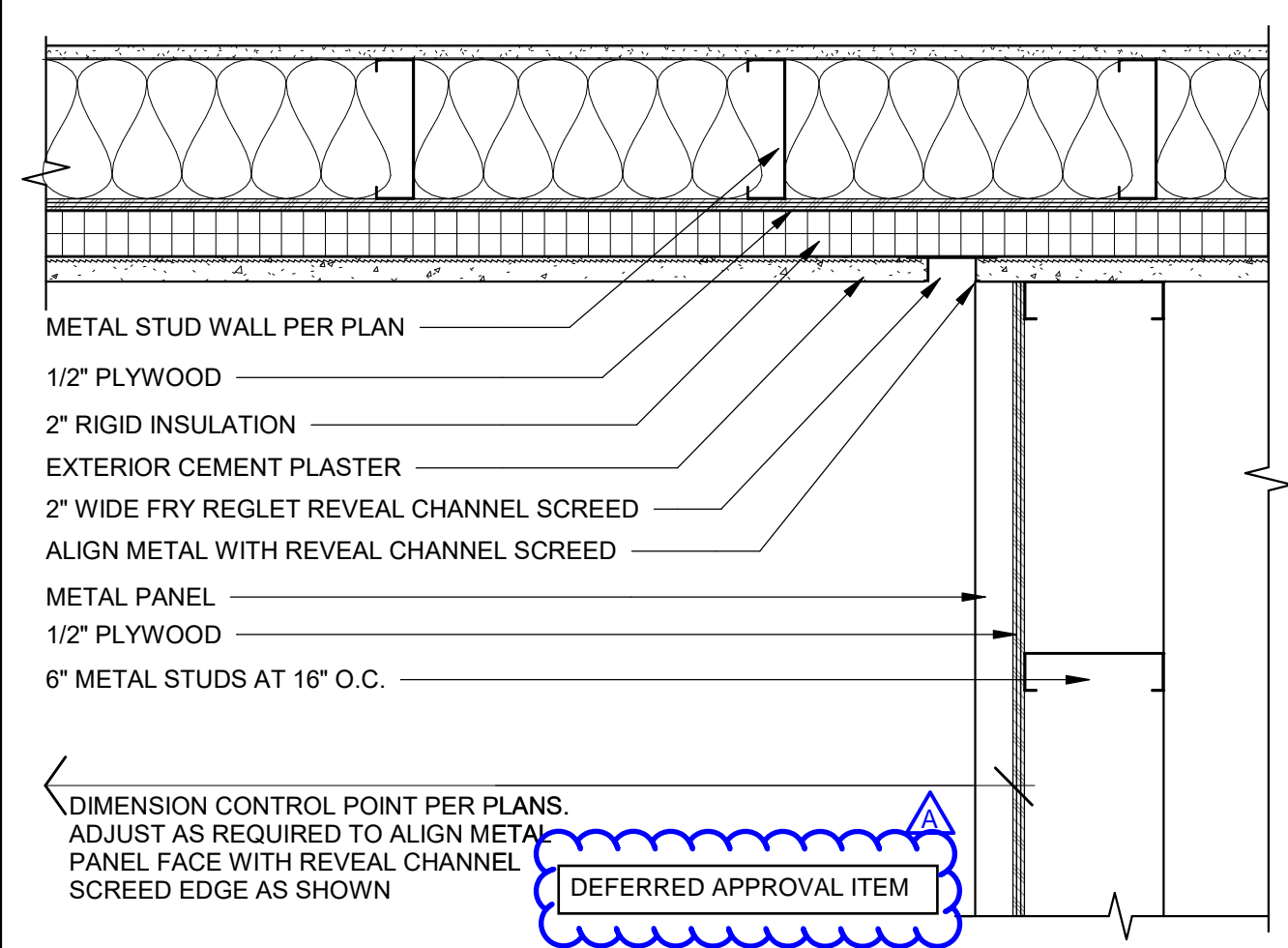
**SMALL CANOPY AT CMU - SECTION** 1 1/2" = 1'-0" 17



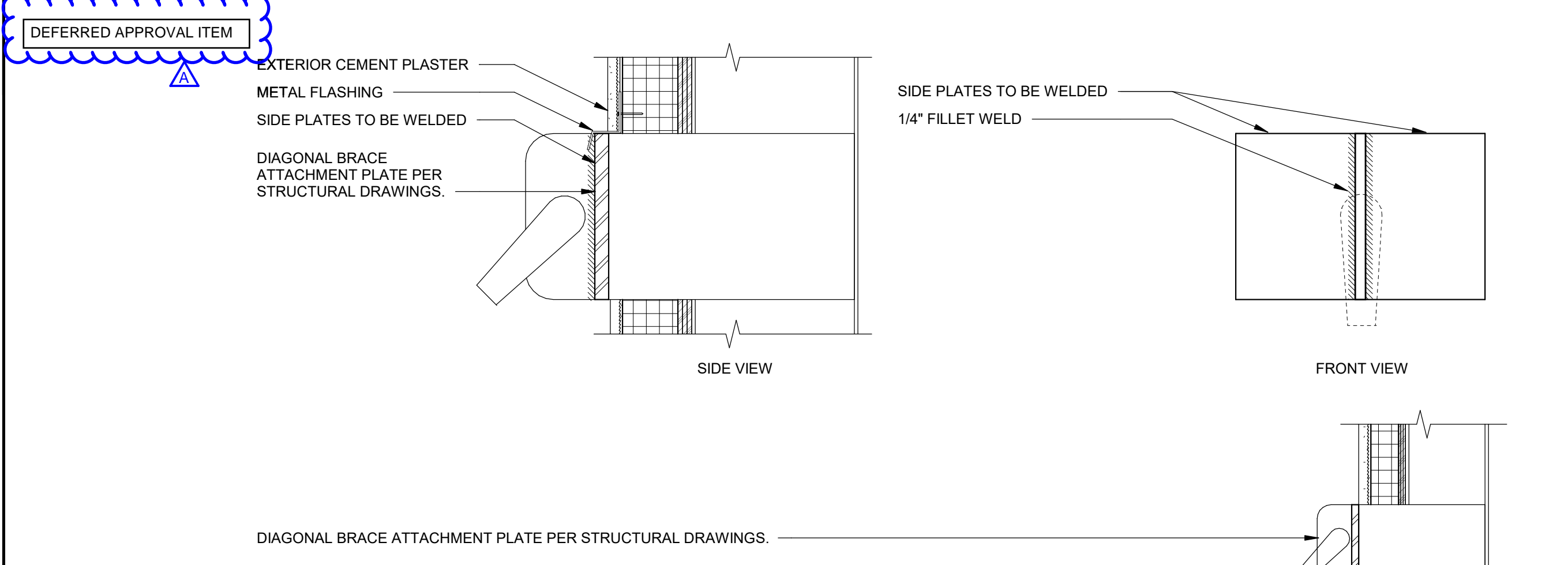
**SMALL CANOPY AT CMU - SECTION** 1 1/2" = 1'-0" 7



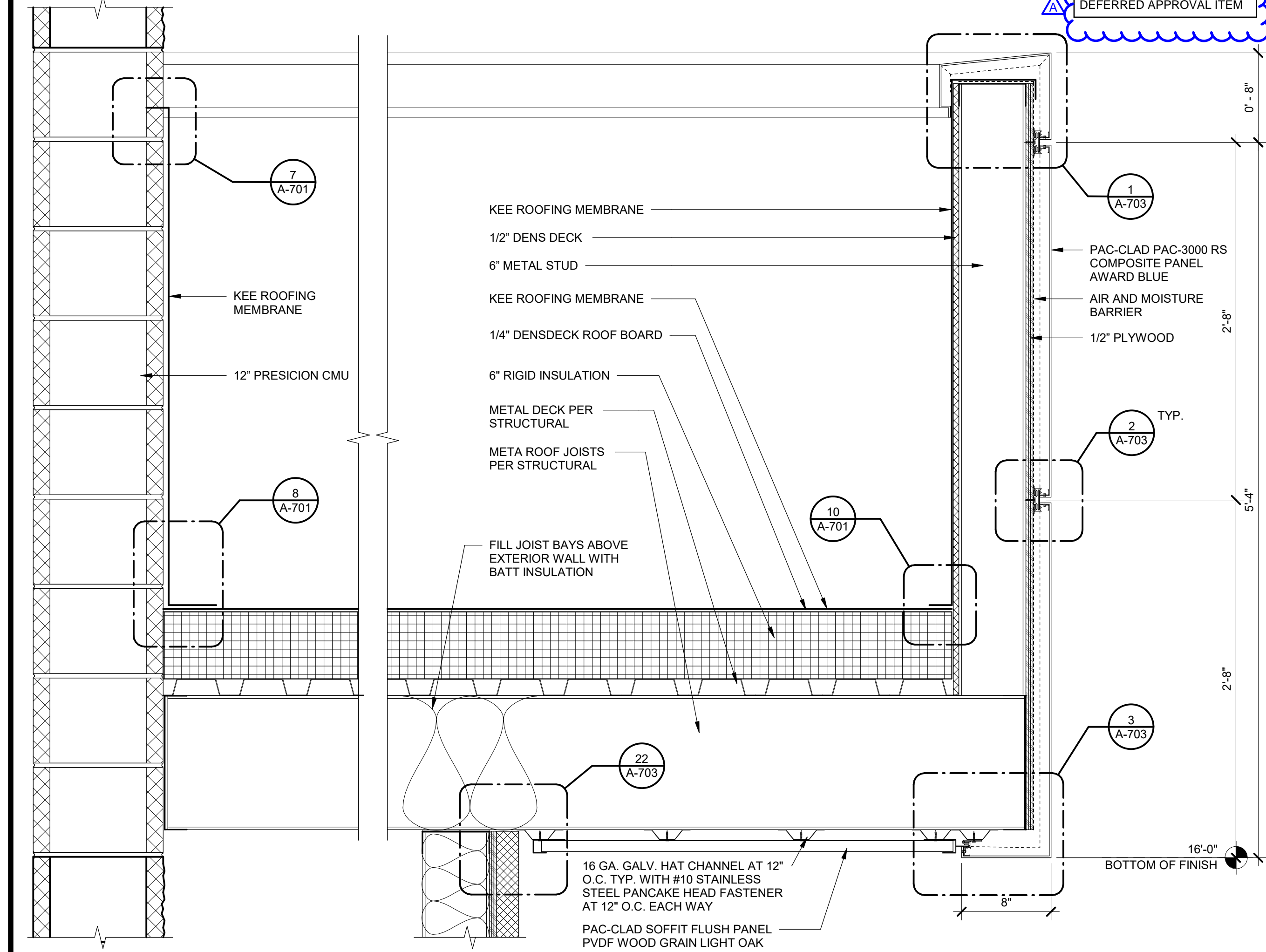
**FLUSH METAL SOFFIT PANEL TO WALL** 3" = 1'-0" 22



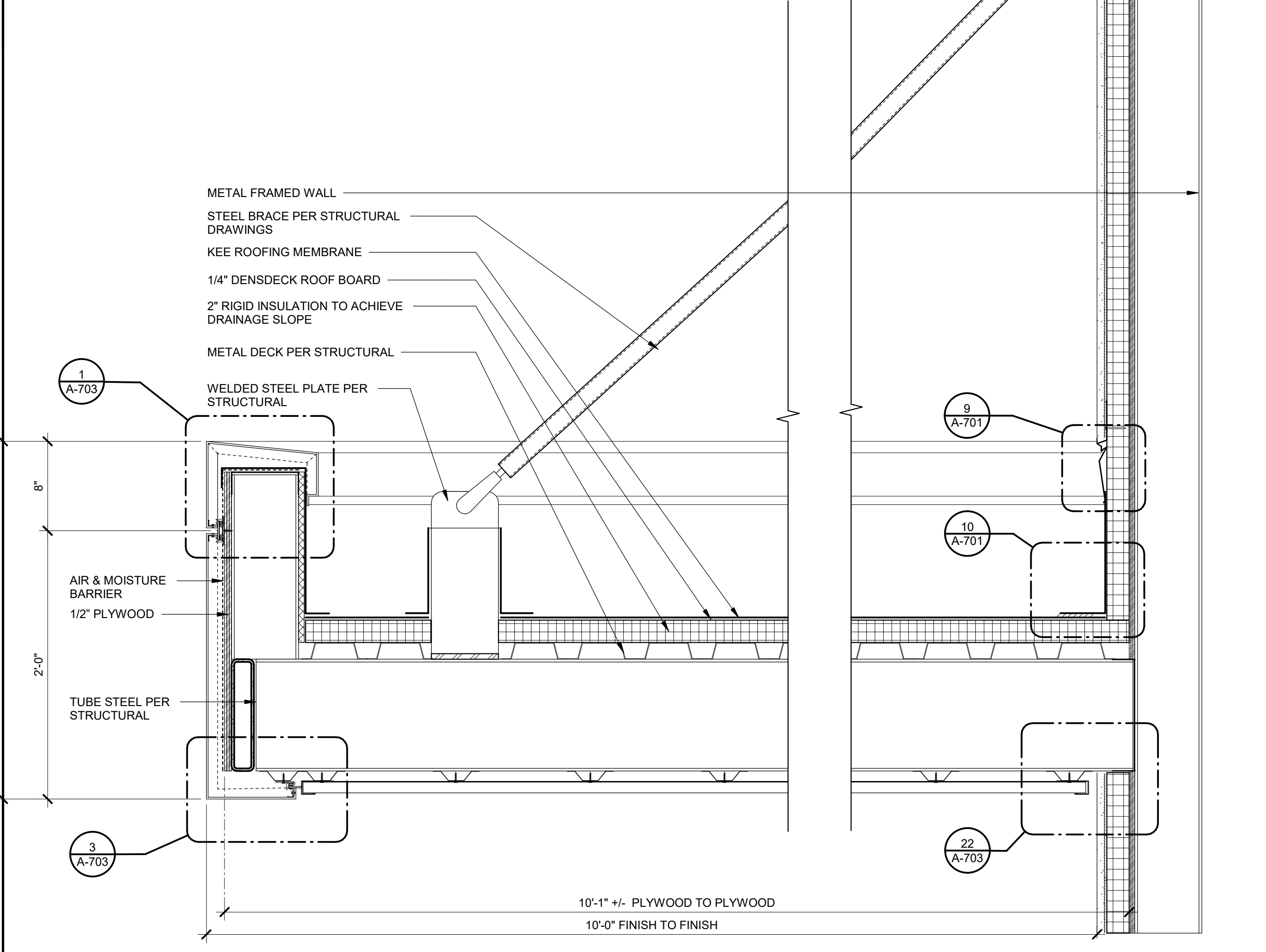
**SMALL CANOPY AT STUCCO - PLAN** 1 1/2" = 1'-0" 18



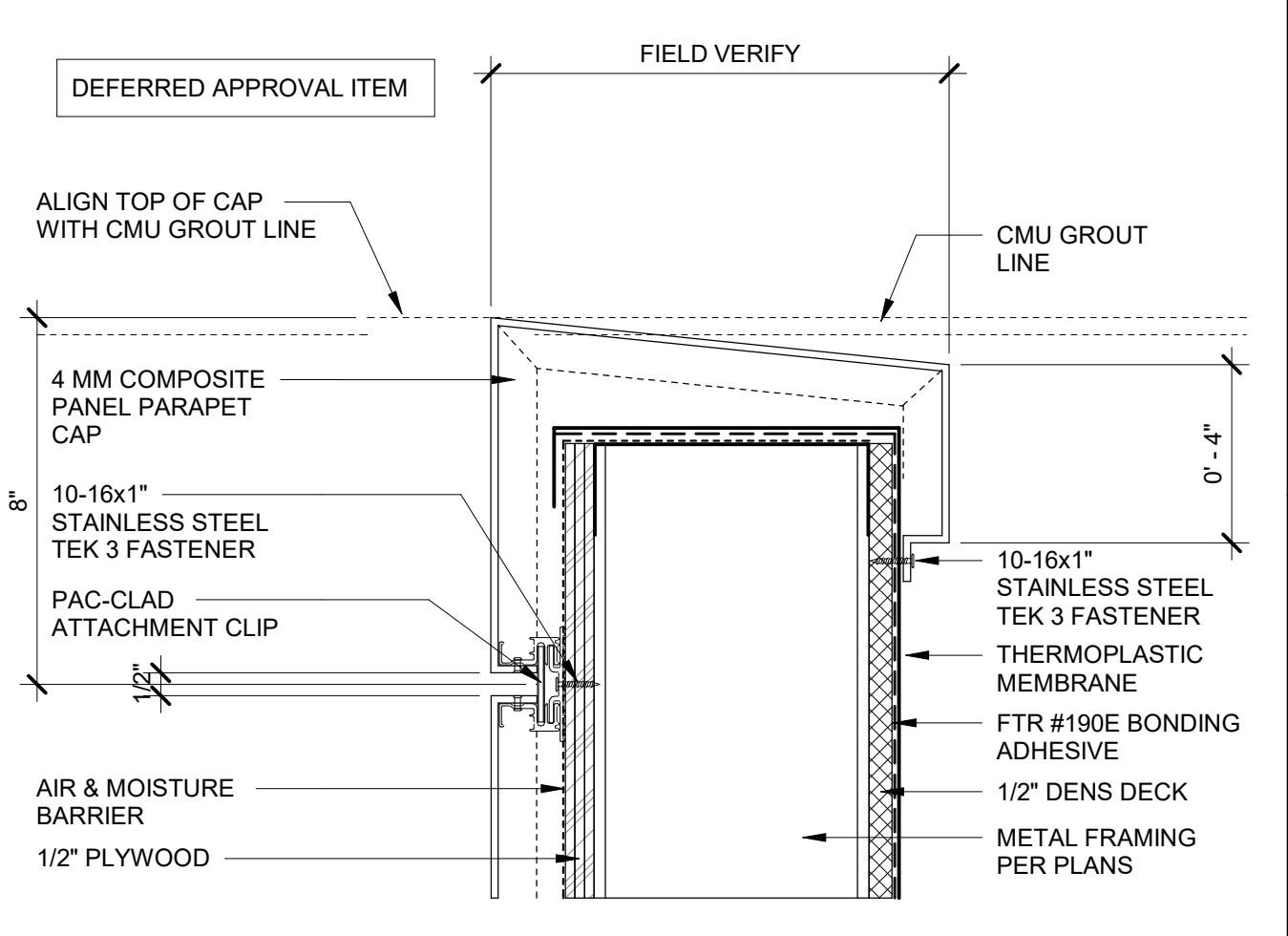
**SMALL CANOPY AT CMU - PLAN** 1 1/2" = 1'-0" 23



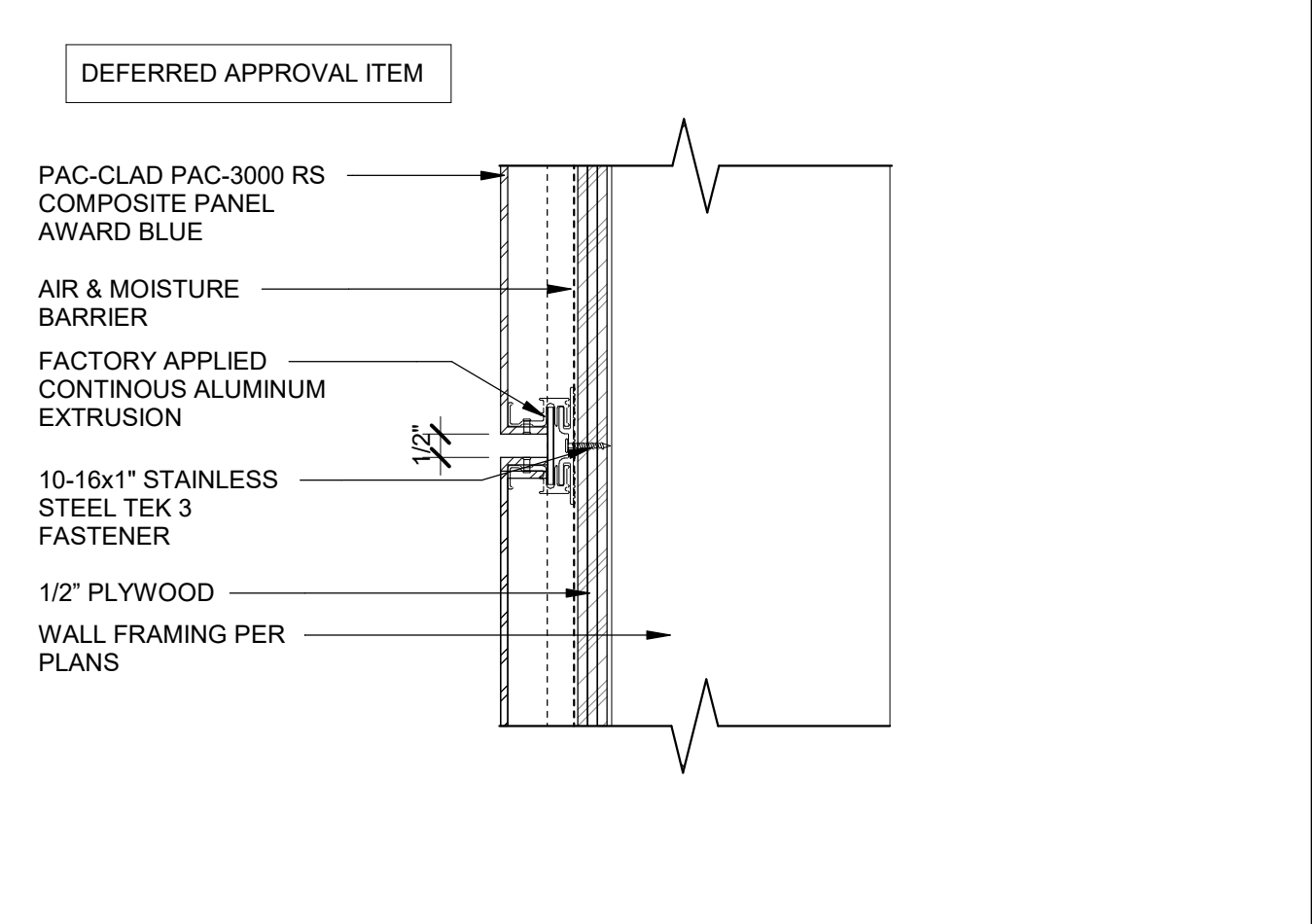
**MAIN ENTRY PARAPET OVERHANG - SECTION** 1 1/2" = 1'-0" 20



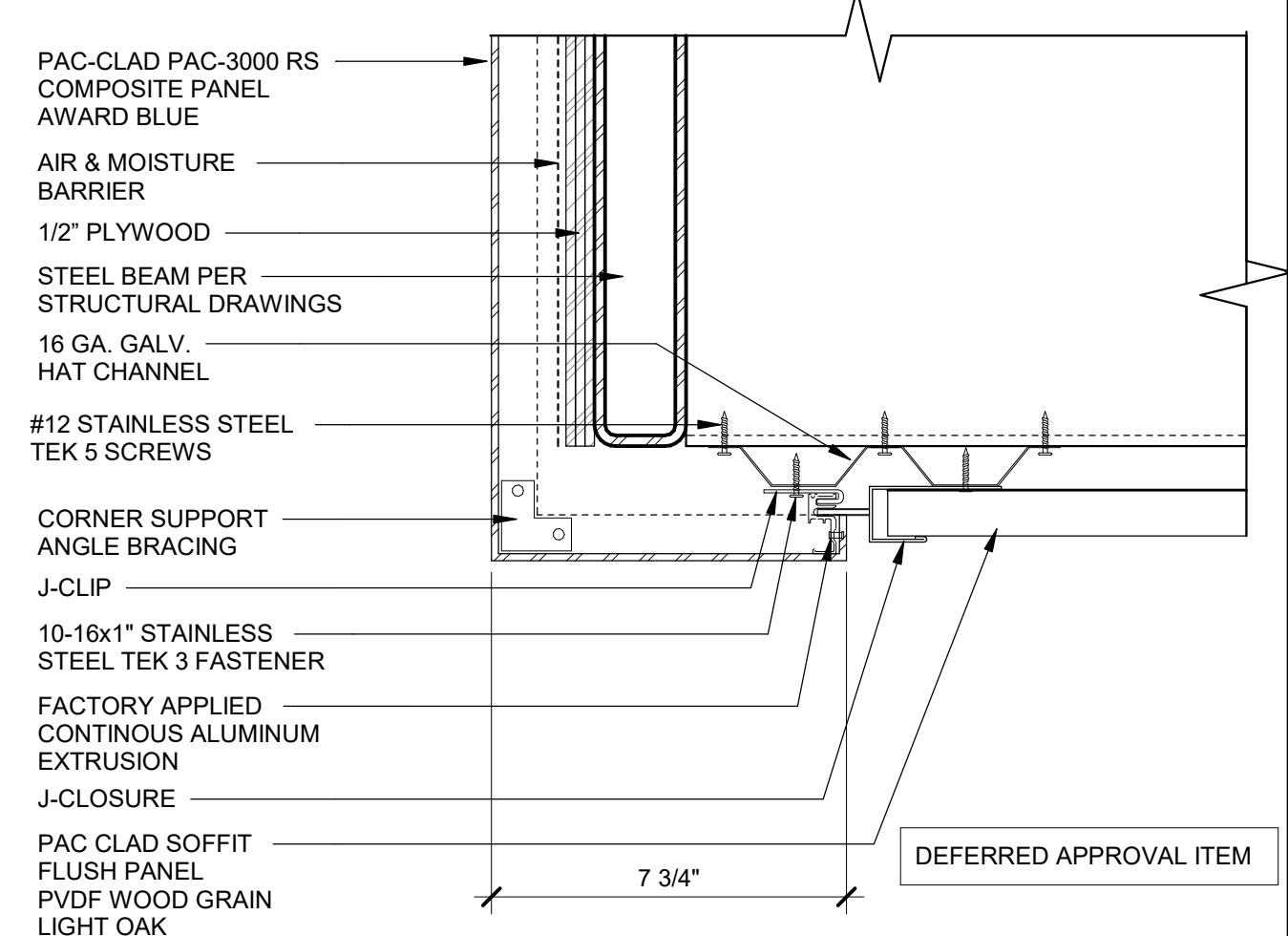
**STAGE CANOPY SECTION** 1 1/2" = 1'-0" 10



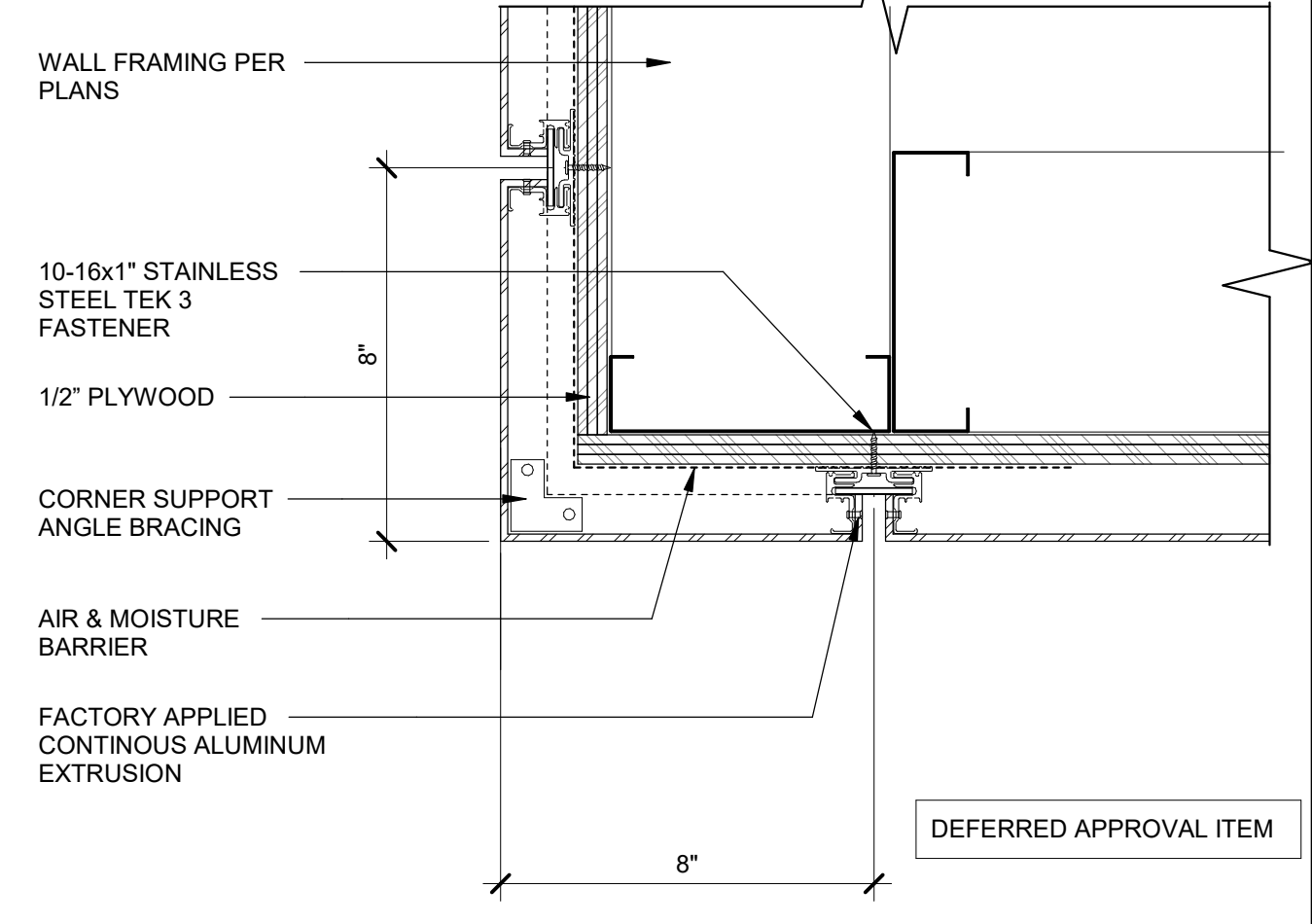
**PARAPET AT METAL WALL PANELS** 3" = 1'-0" 1



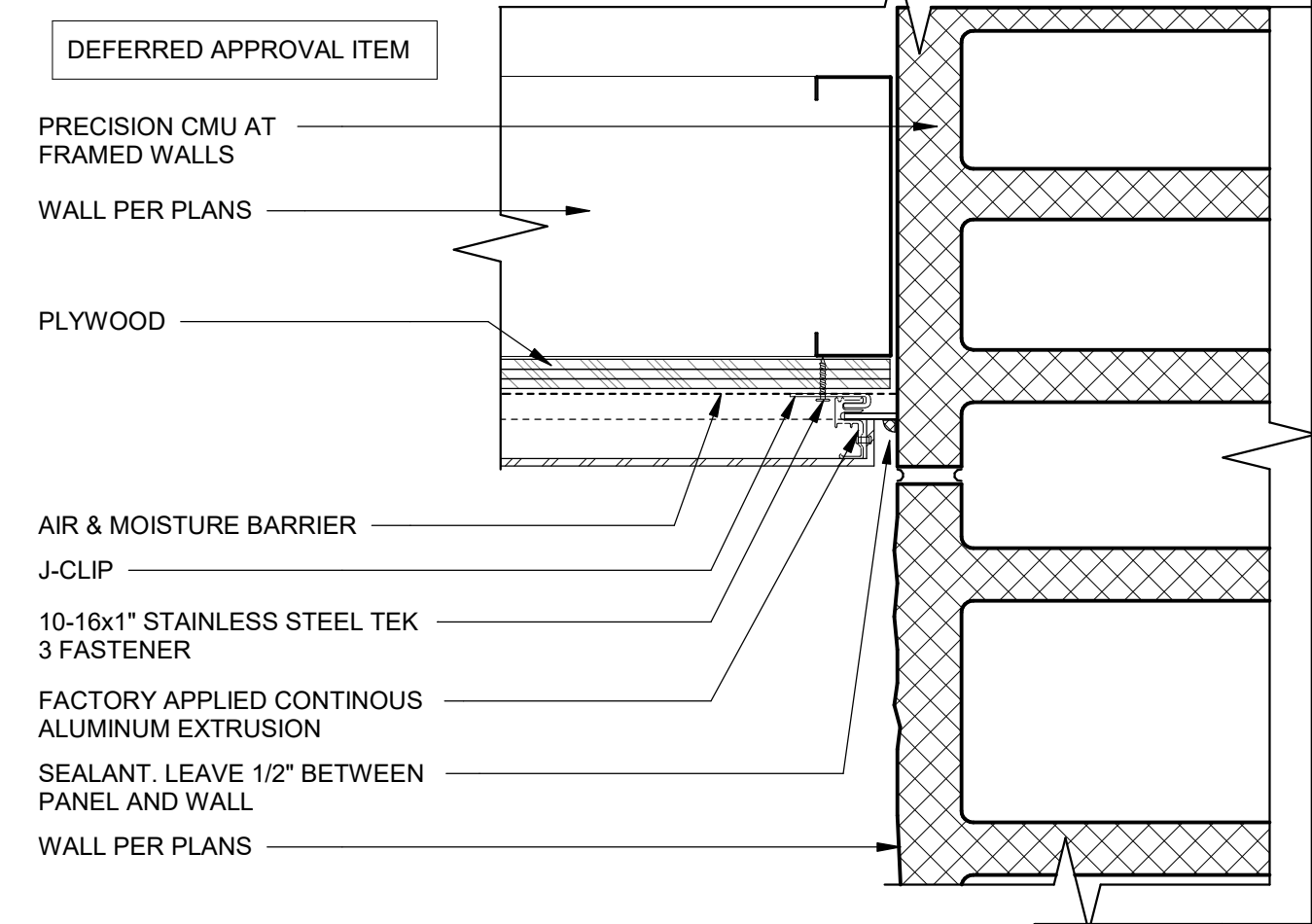
**COMPOSITE PANEL JOINT** 3" = 1'-0" 2



**COMPOSITE PANEL SOFFIT** 3" = 1'-0" 3



**COMPOSITE PANEL OUTSIDE CORNER** 3" = 1'-0" 4



**COMPOSITE PANEL AT SIDE WALL** 3" = 1'-0" 5

AGENCY APPROVAL DSAE 03-121912

**196 ARCHITECTS**

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LICENSED ARCHITECT  
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C-22474  
RENEW 10-31-25  
STATE OF CALIFORNIA

REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| 1   | 04-19-2022 | Addendum 1  |
| 2   | 05-13-2022 | Addendum 4  |
| A   | 05-19-2022 | ADDENDUM A  |

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PROJECT OWNER & TITLE

**ORCUTT UNION SCHOOL DISTRICT**  
500 Dyer Street  
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**ORCUTT ACADEMY HS MUR BUILDING**  
610 Pinal Avenue  
Orcutt, CA 93455

SHEET TITLE

**EXTERIOR DETAILS**

DRAWN BY: Author JOB NUMBER: 20179.01

SHEET NO.

**A-703**

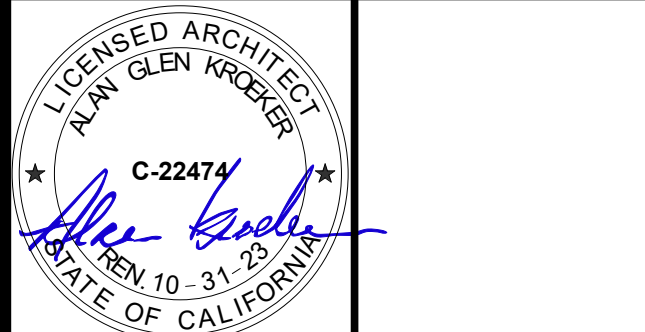
DATE: MAY 10, 2022



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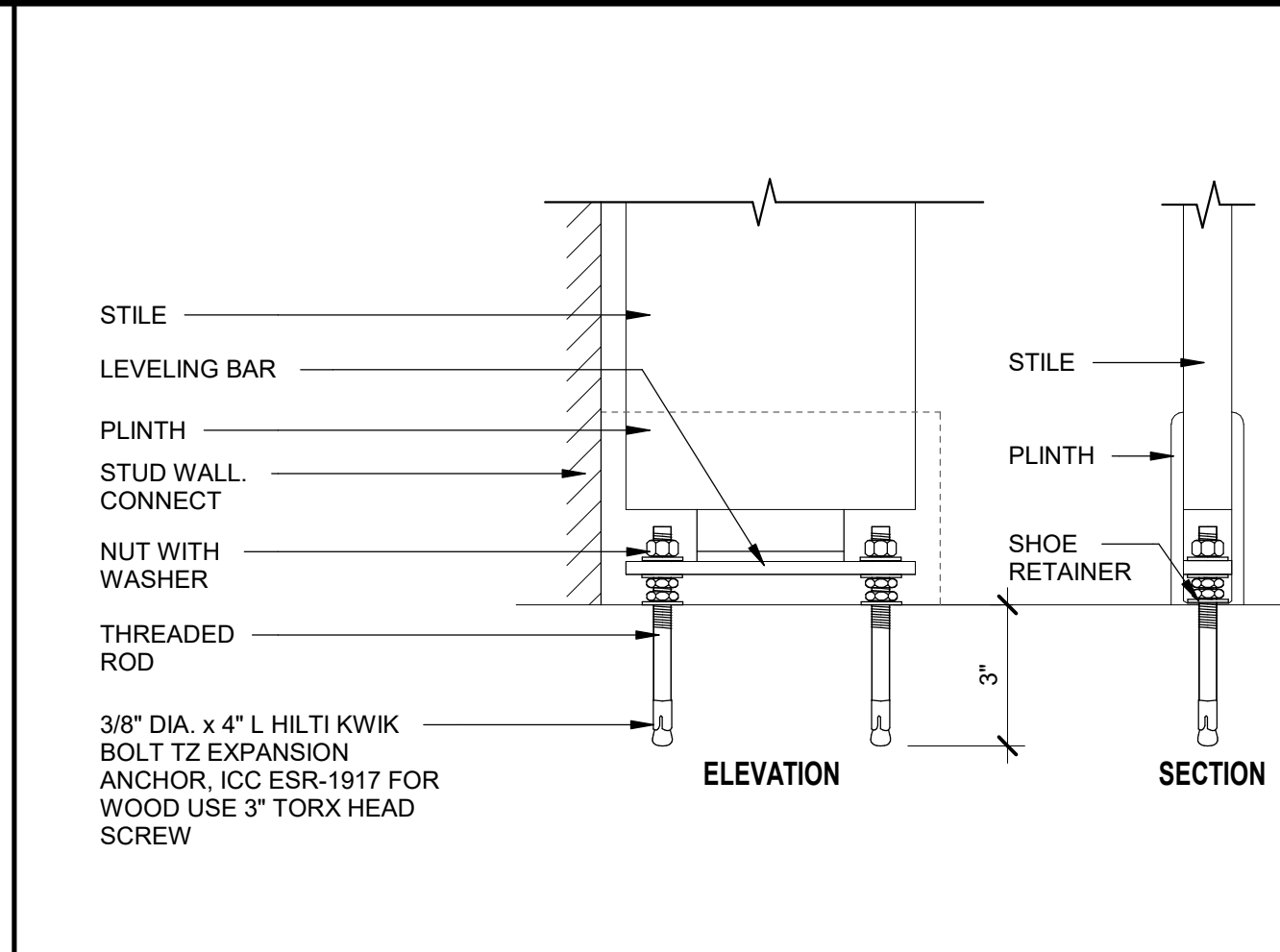
**ORCUTT ACADEMY HS MUR BUILDING**  
 610 Pinal Avenue  
 Orcutt, CA 93455

SHEET TITLE  
**INTERIOR DETAILS**

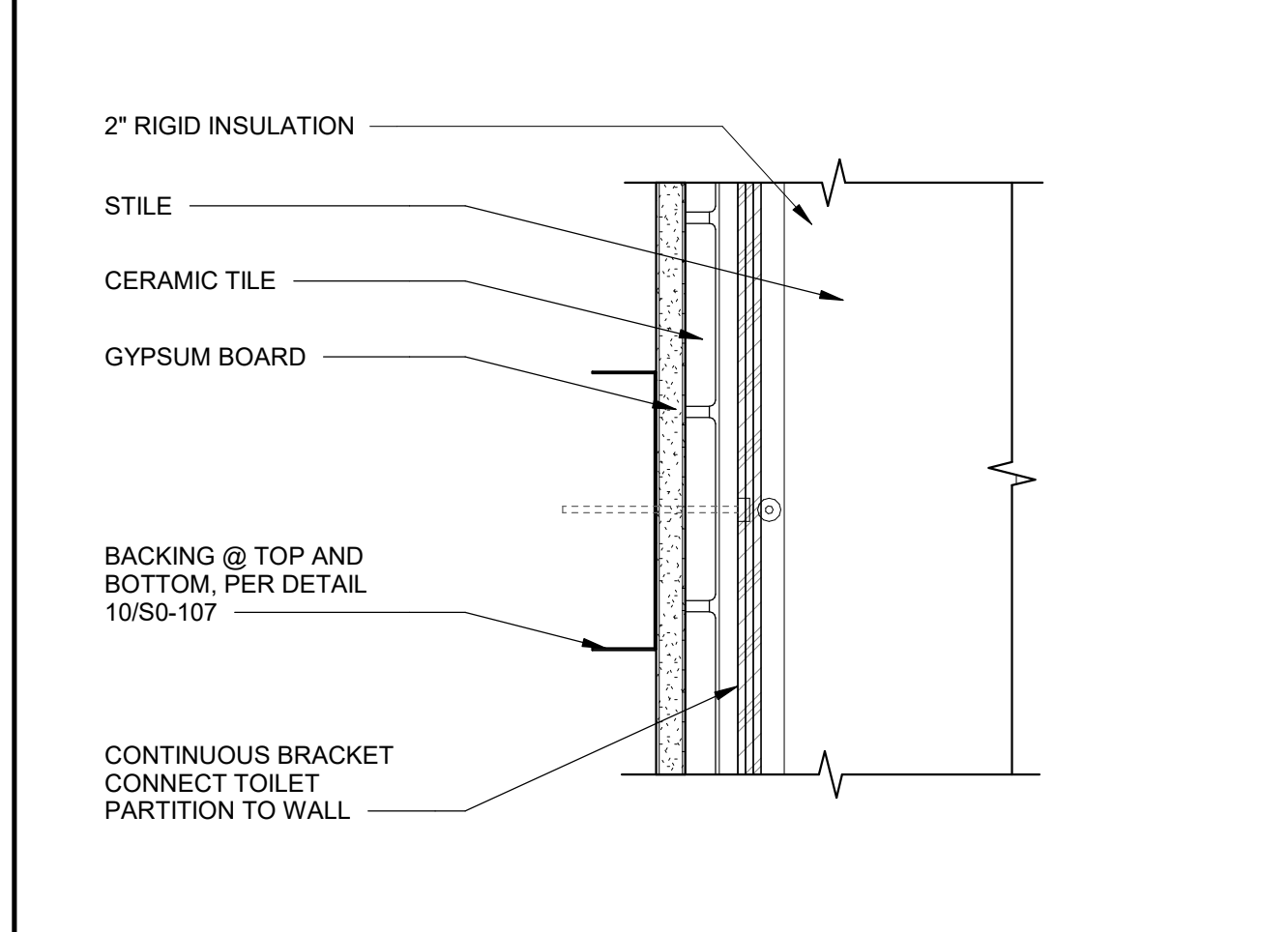
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SHEET NO.  
**A-921**

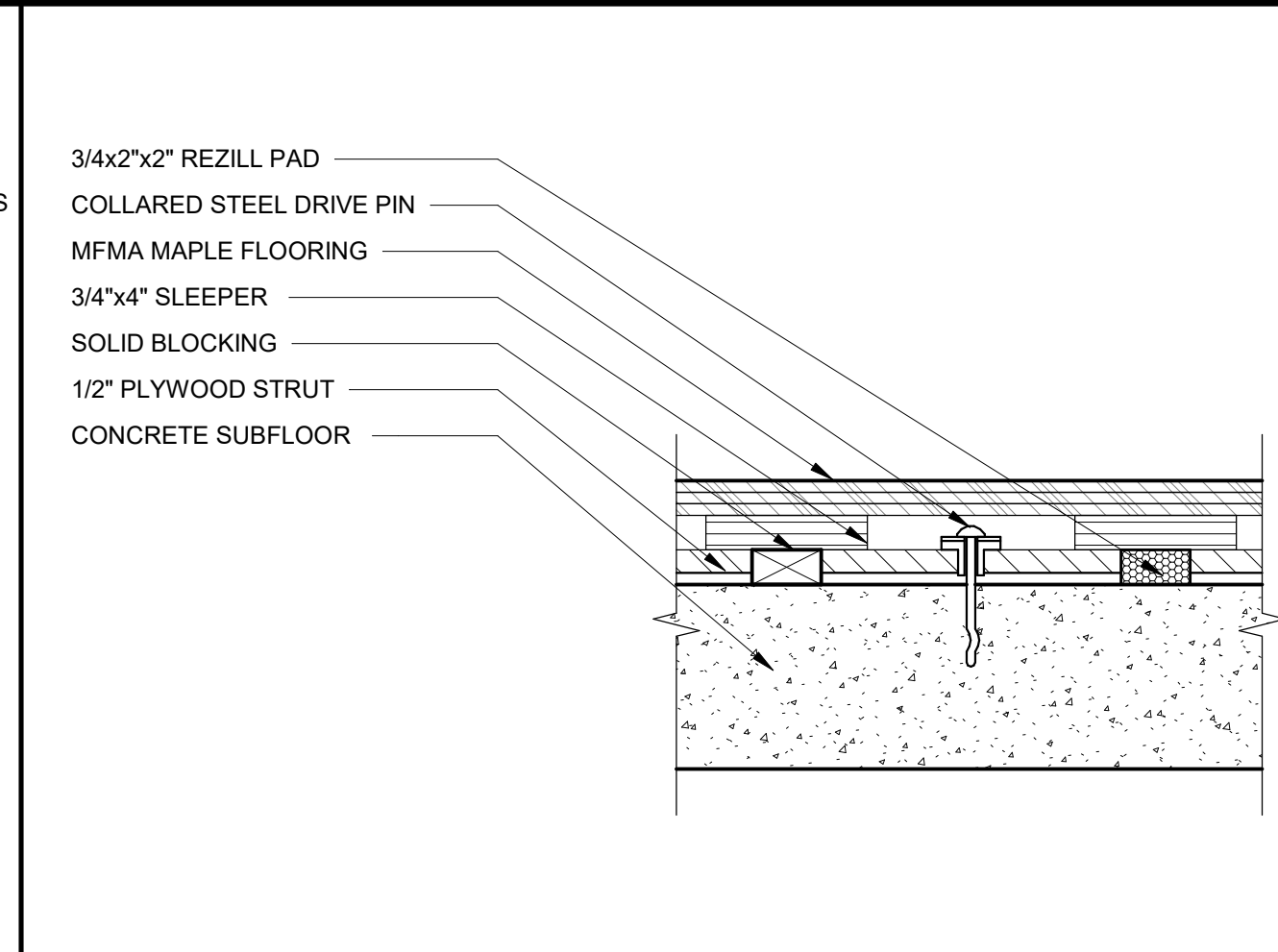
DATE: MAY 10, 2022



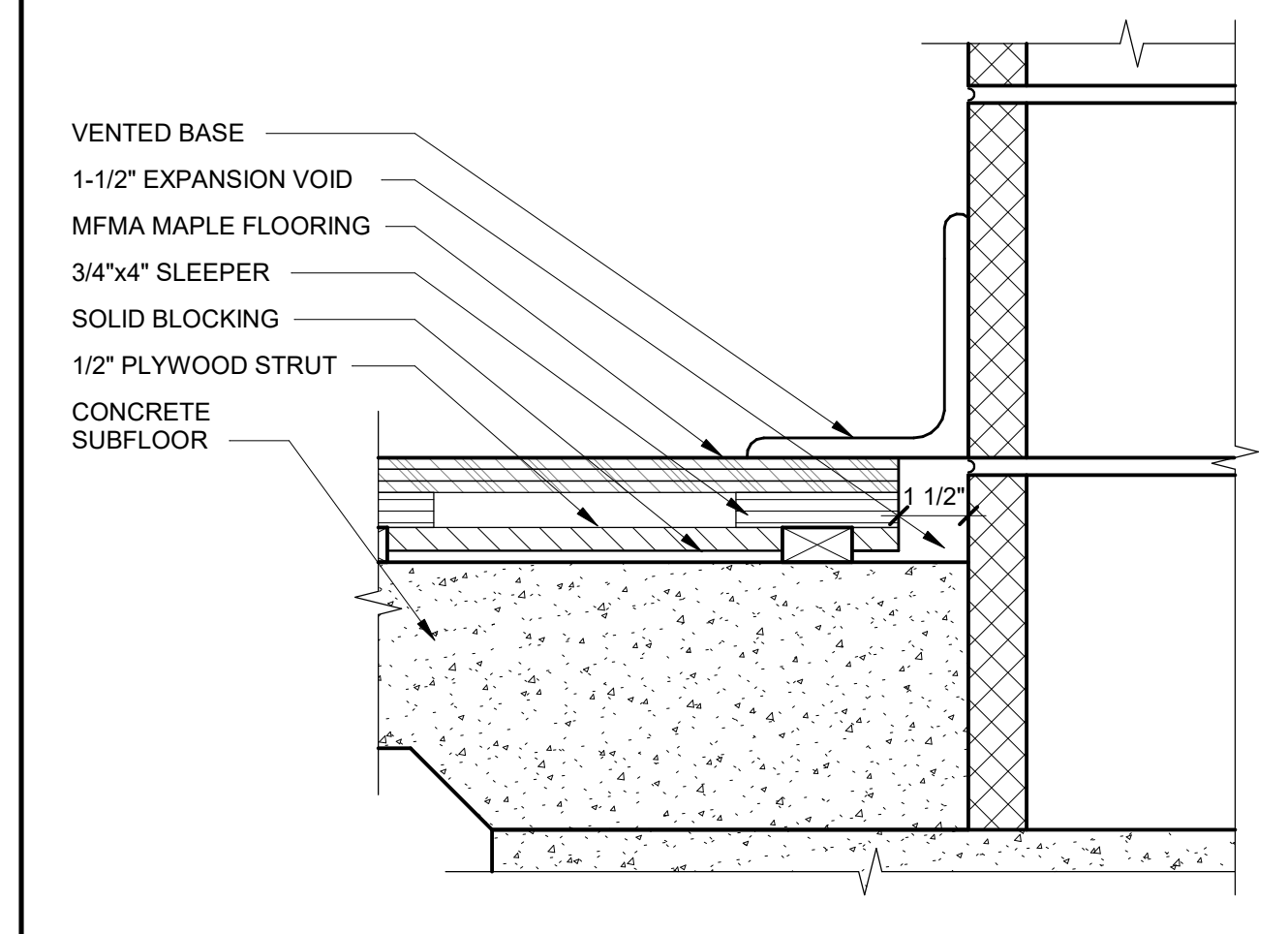
**TOILET PARTITION SHOE** 3" = 1'-0" **1**



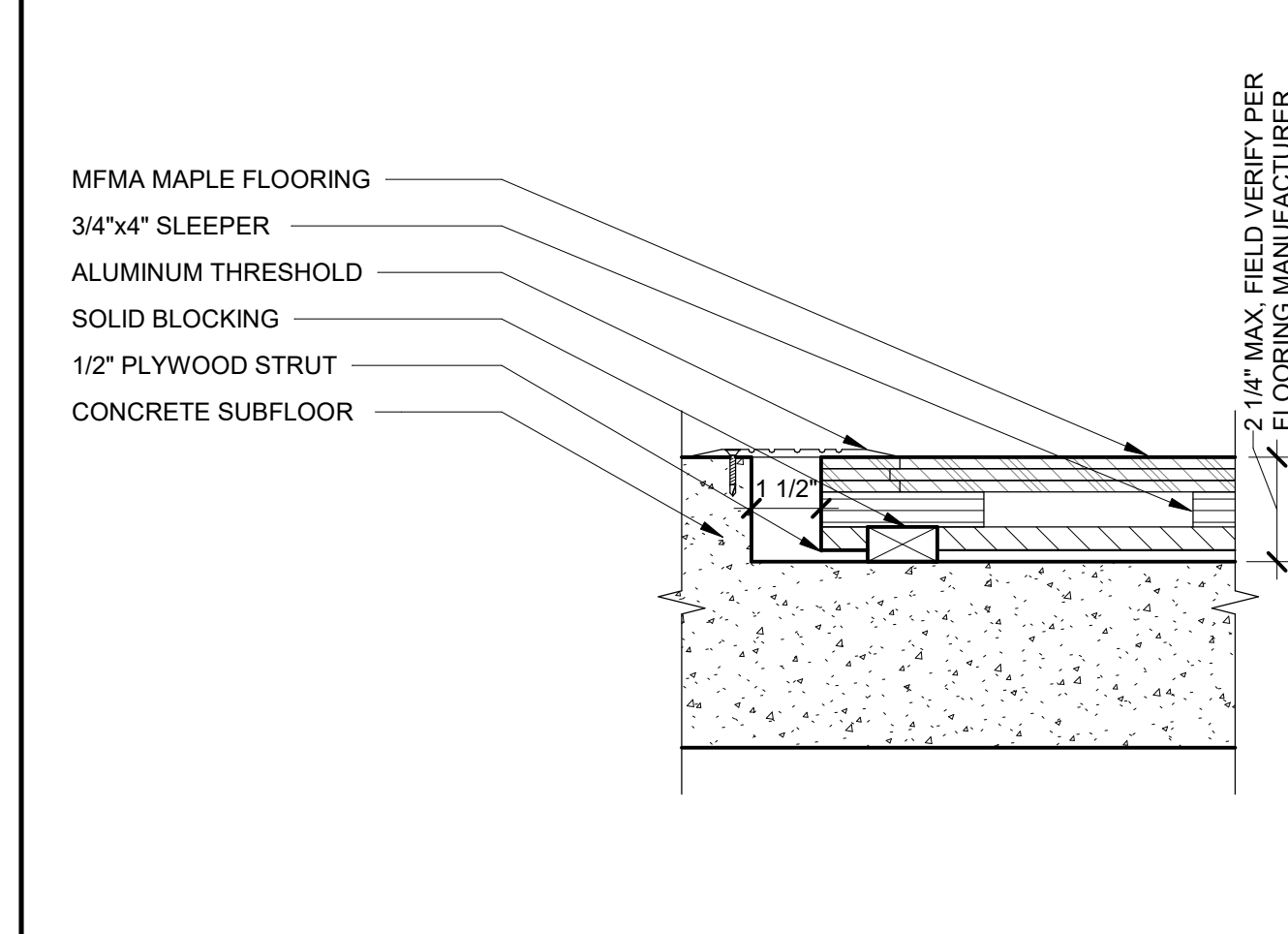
**TOILET PARTITION BRACKET MTL.** 3" = 1'-0" **2**



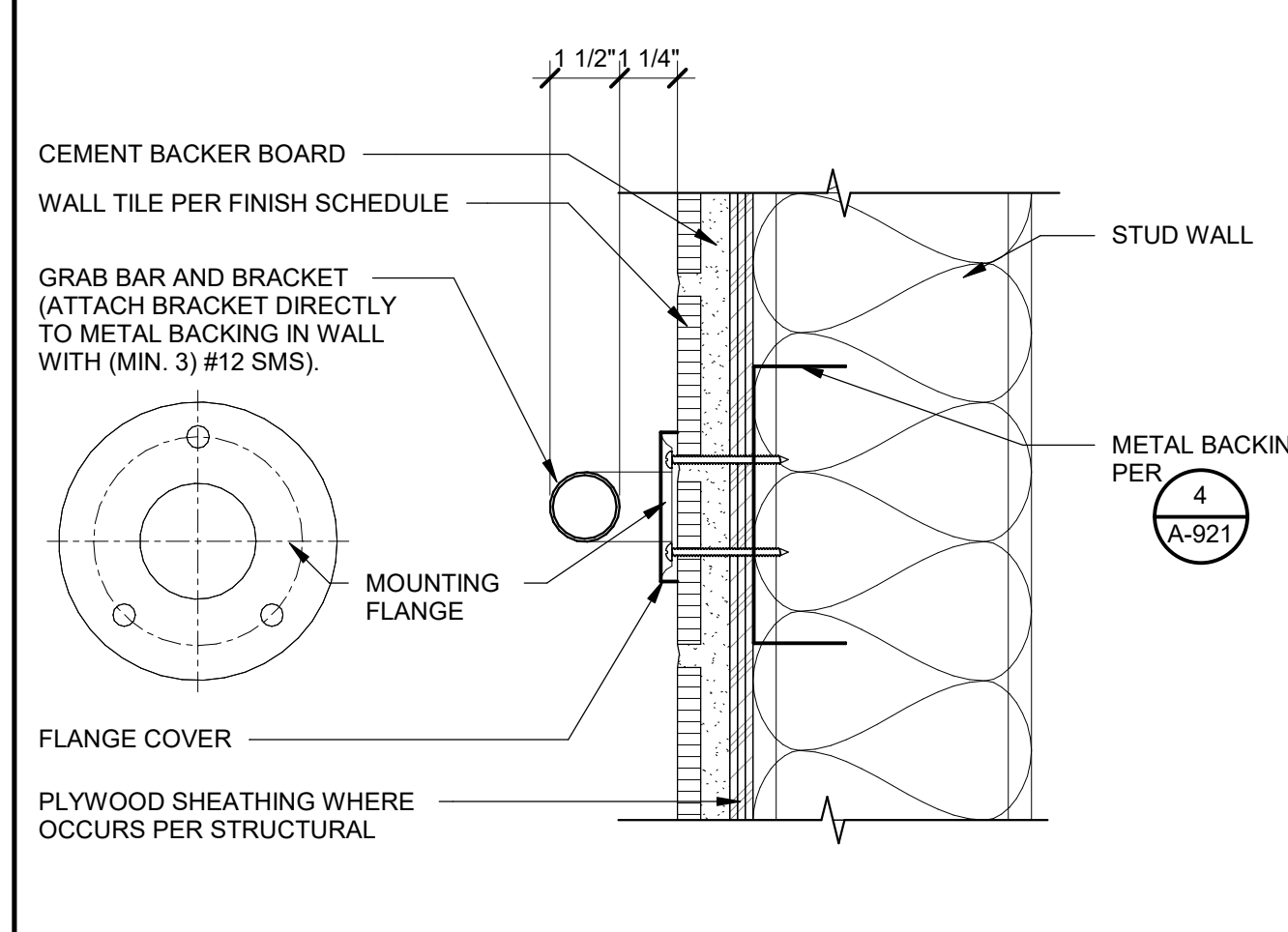
**HARDWOOD COURT PINNING** 3" = 1'-0" **6**



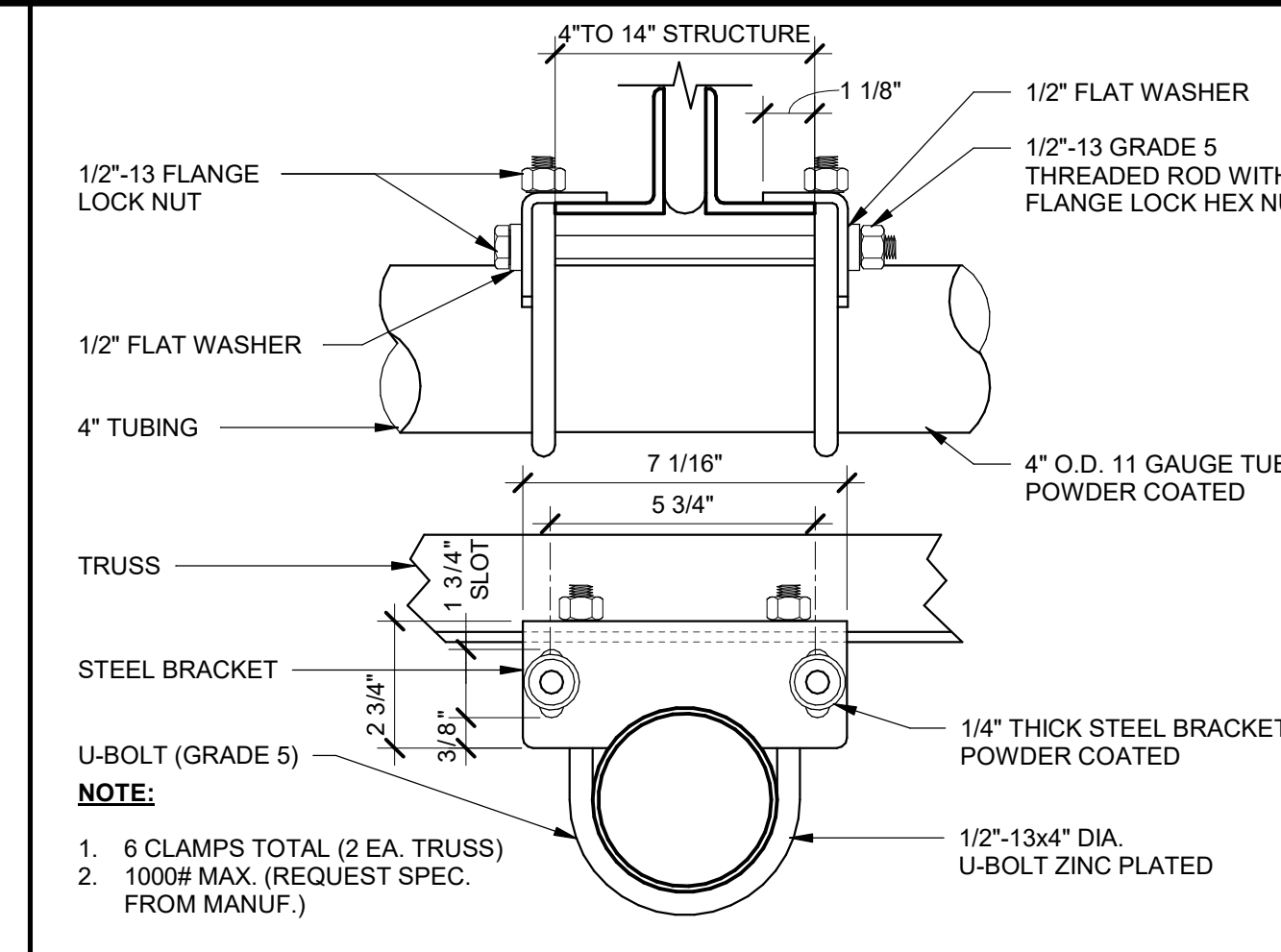
**HARDWOOD COURT WALL CONDITION** 3" = 1'-0" **7**



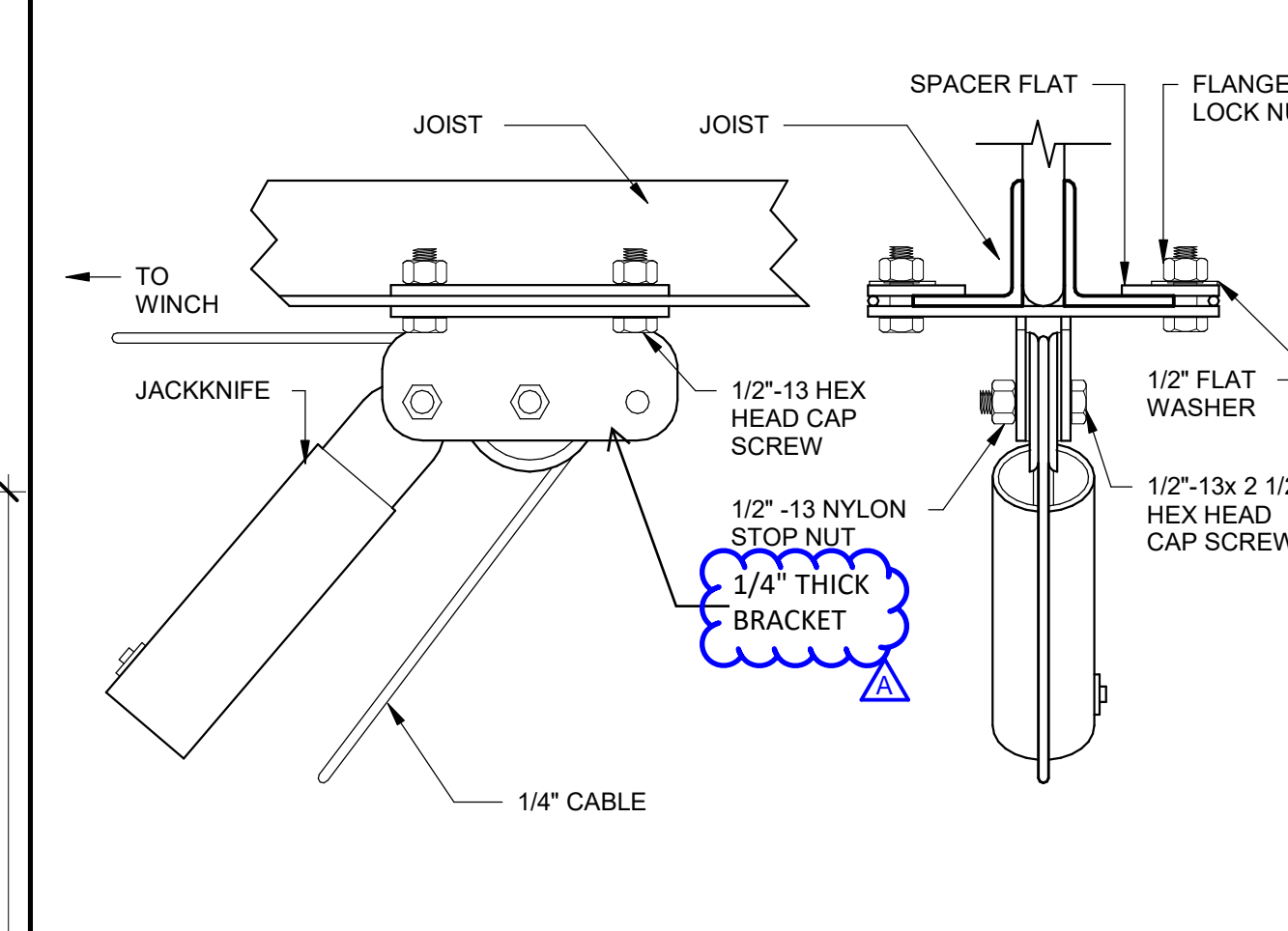
**HARDWOOD COURT THRESHOLD** 3" = 1'-0" **8**



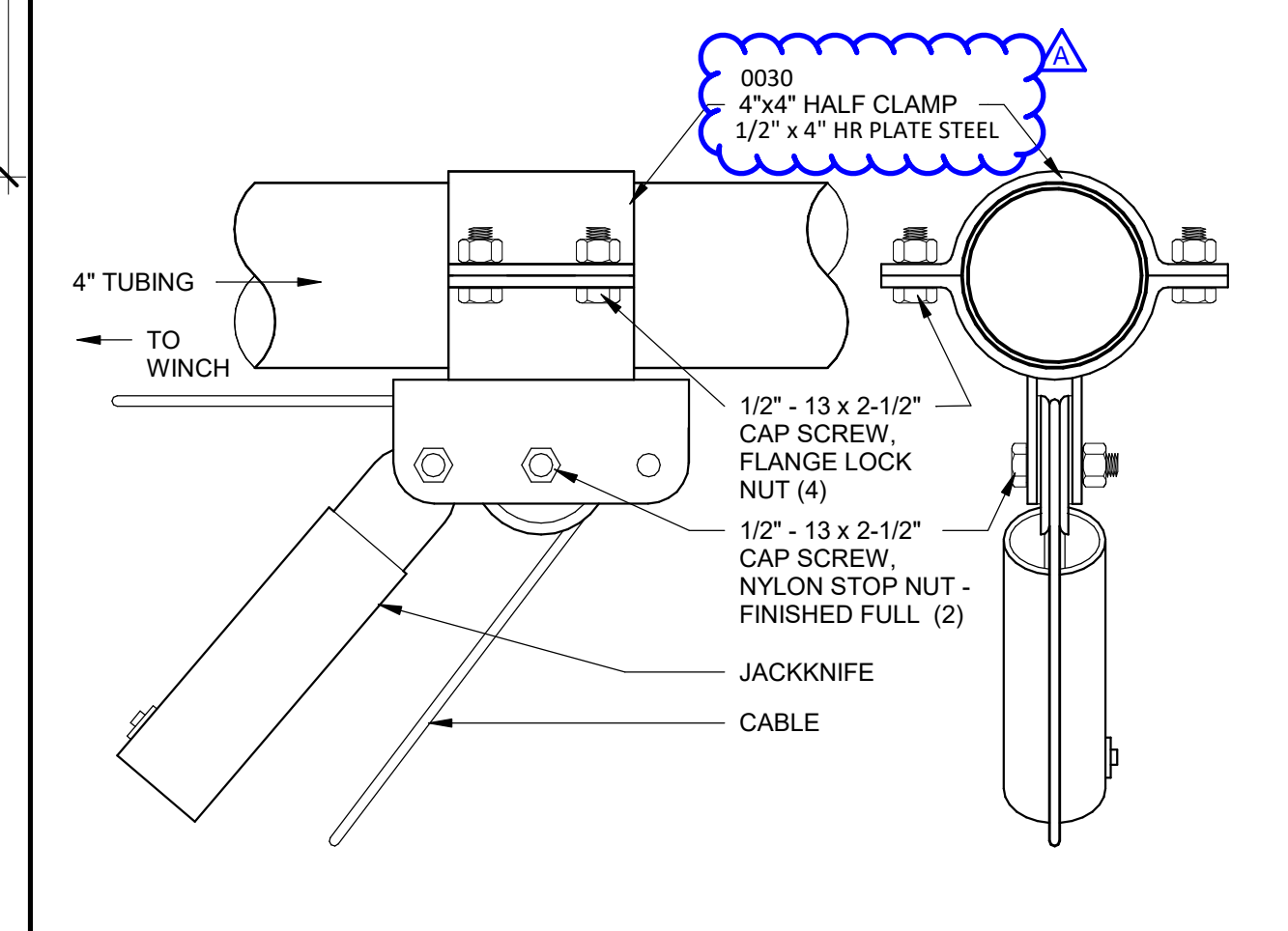
**GRAB BAR BLOCKING MTL.** 3" = 1'-0" **3**



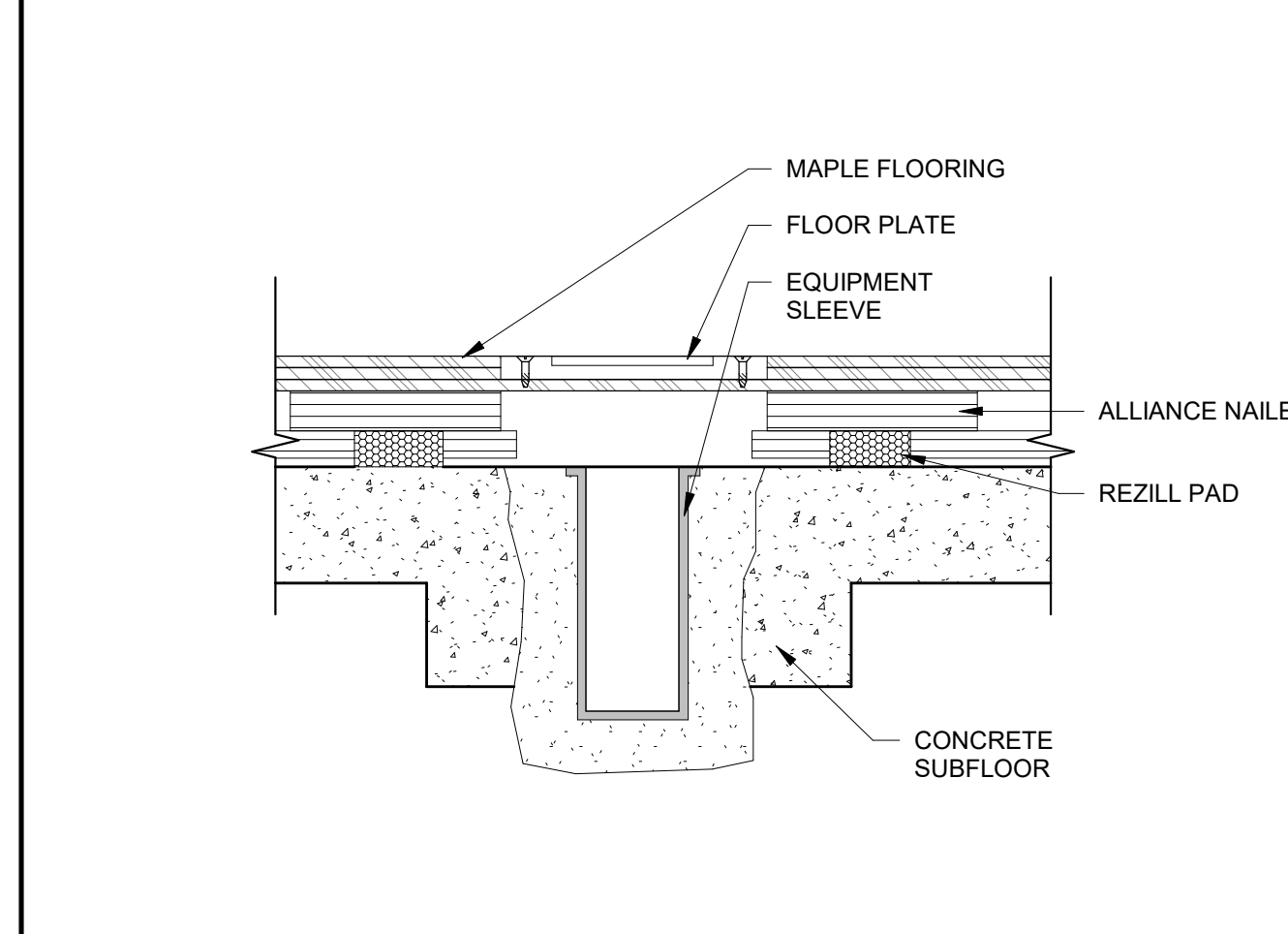
**STANDARD JOIST CLAMP** 3" = 1'-0" **11**



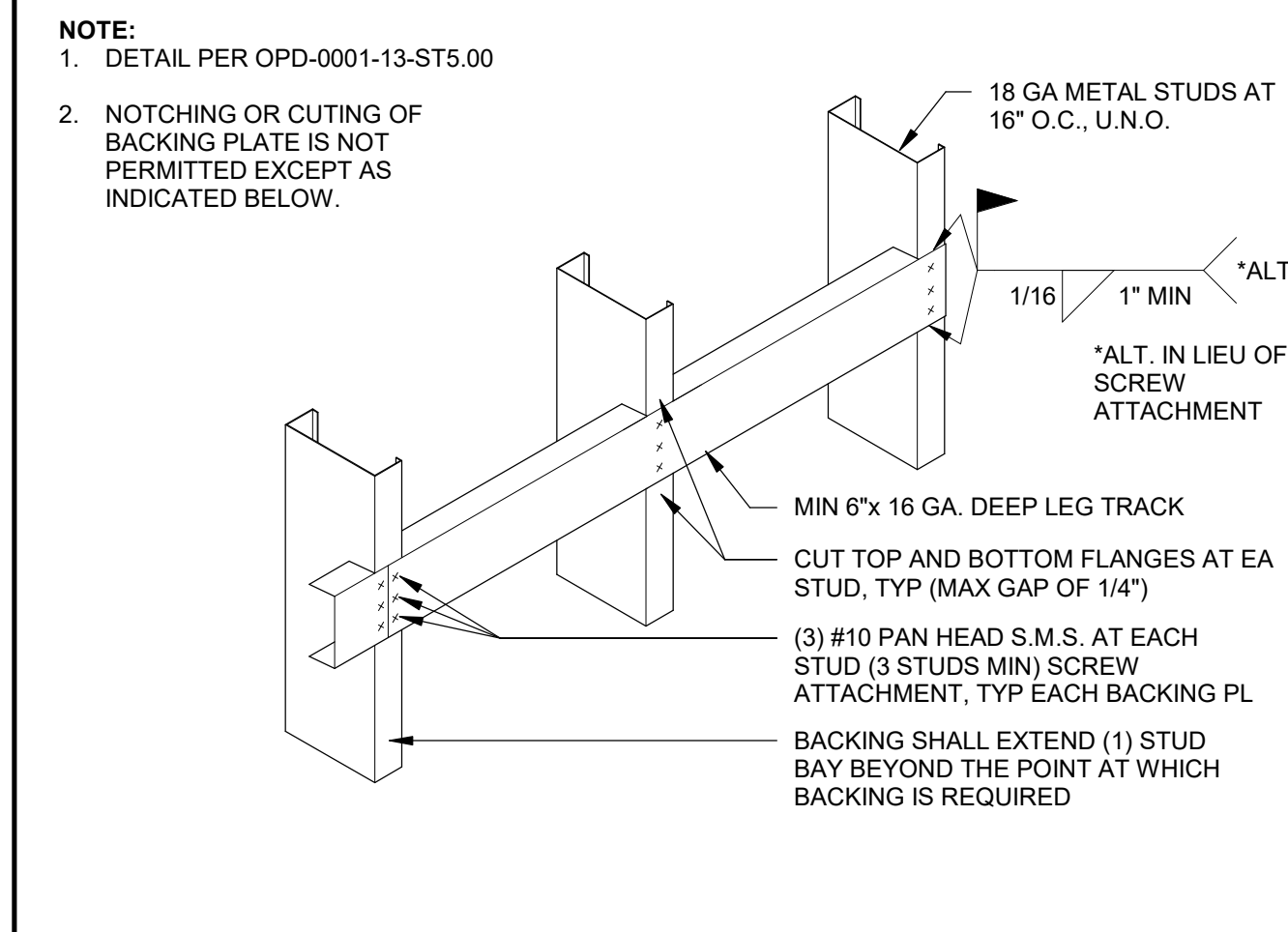
**BEAM PERP. JACKKNIFE HANGER** 3" = 1'-0" **12**



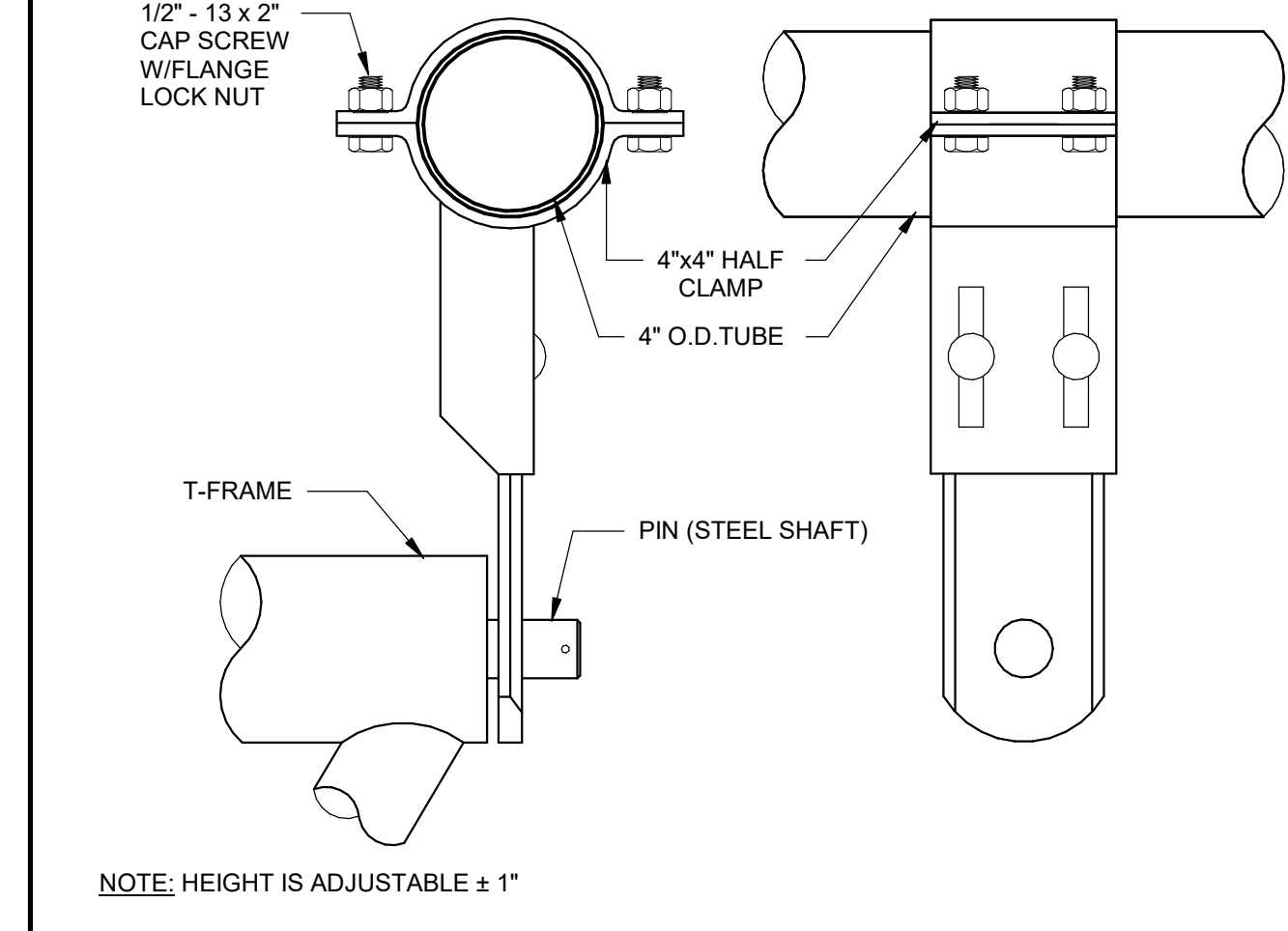
**TUBE PERP. JACKKNIFE HANGER** 3" = 1'-0" **13**



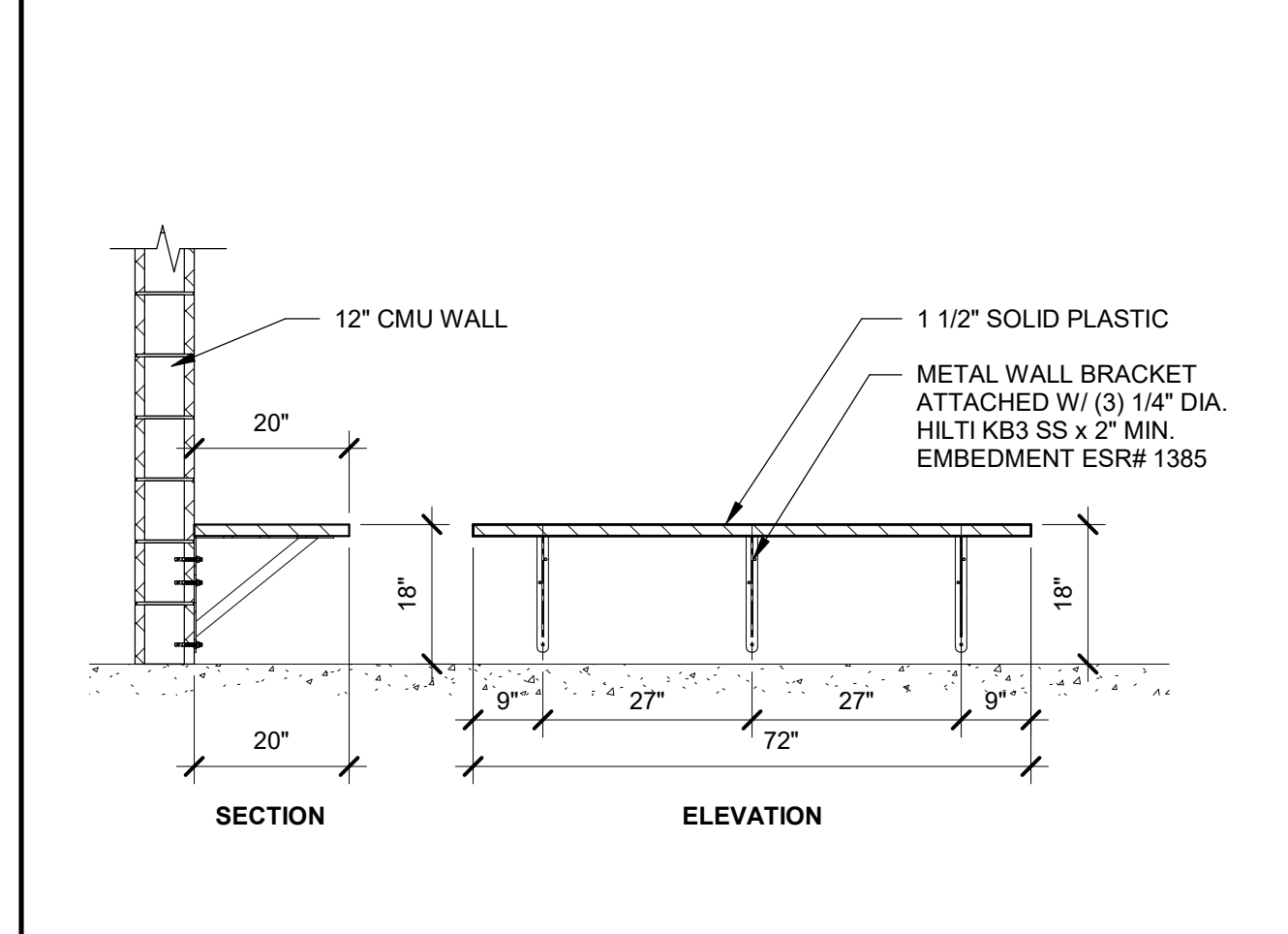
**HARDWOOD FL - EQUIPMENT SLEEVE** 3" = 1'-0" **9**



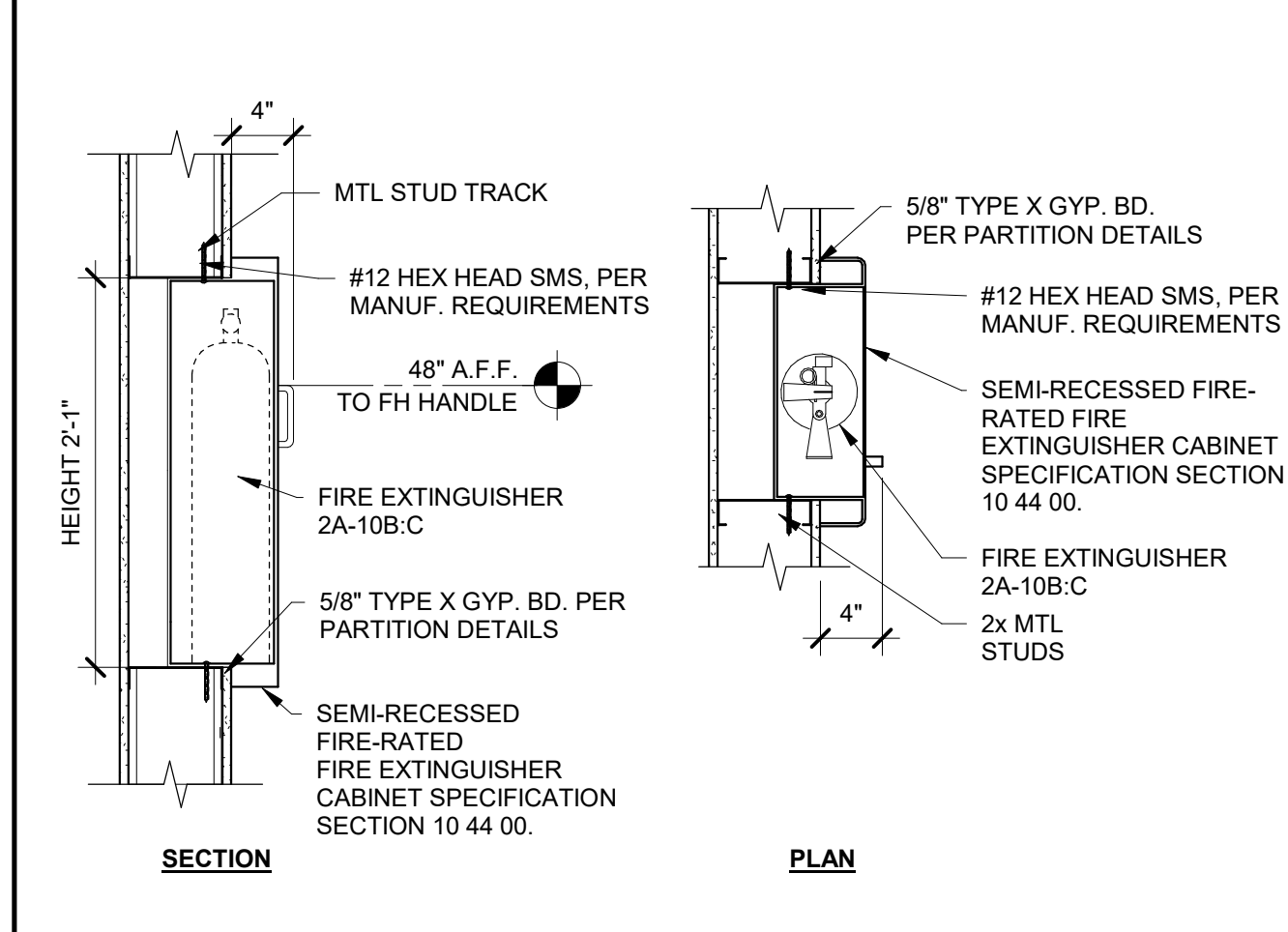
**MTL STUD BACKING** 3/4" = 1'-0" **4**



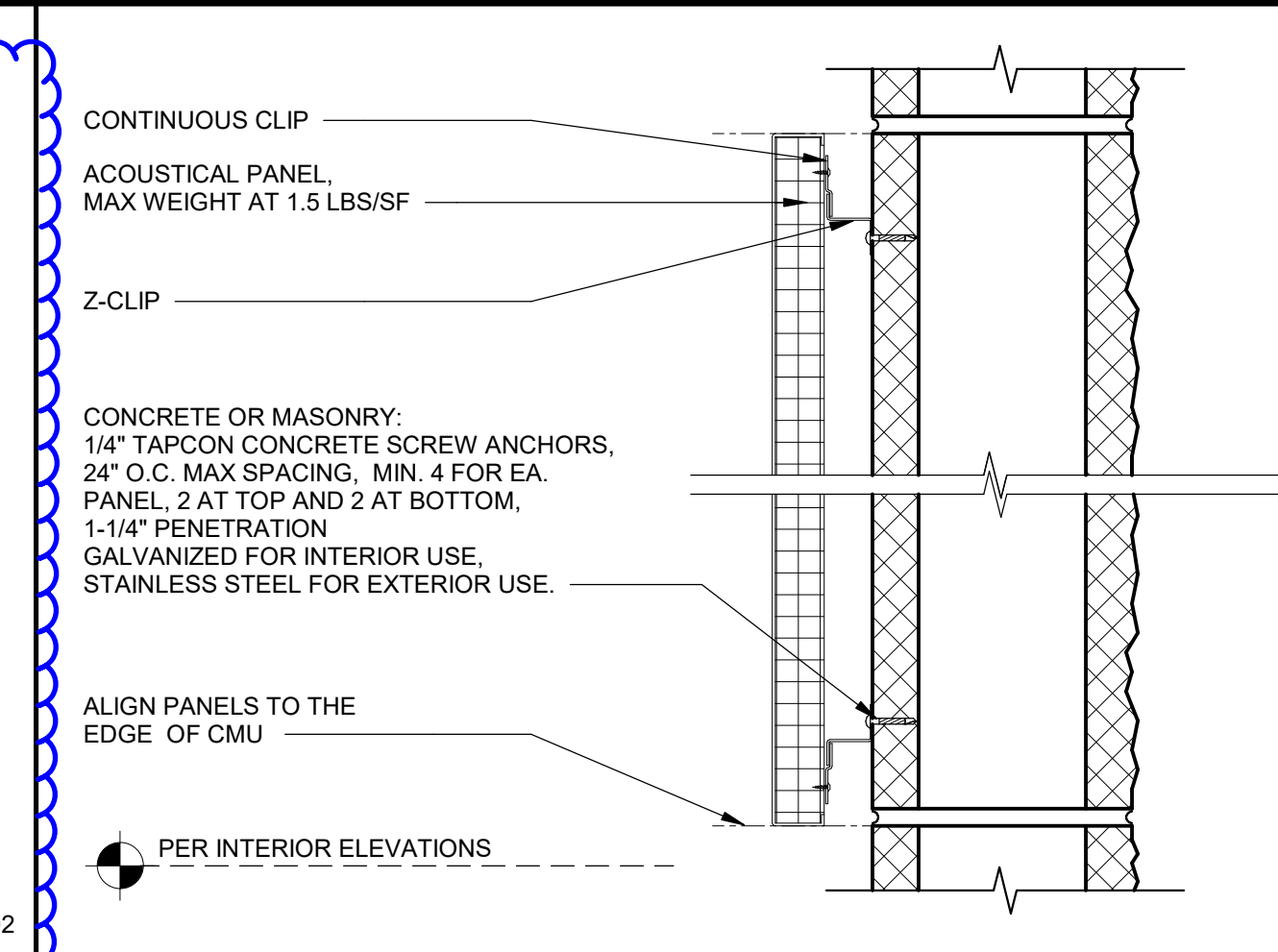
**PERPENDICULAR T-FRAME HANGERS** 3" = 1'-0" **14**



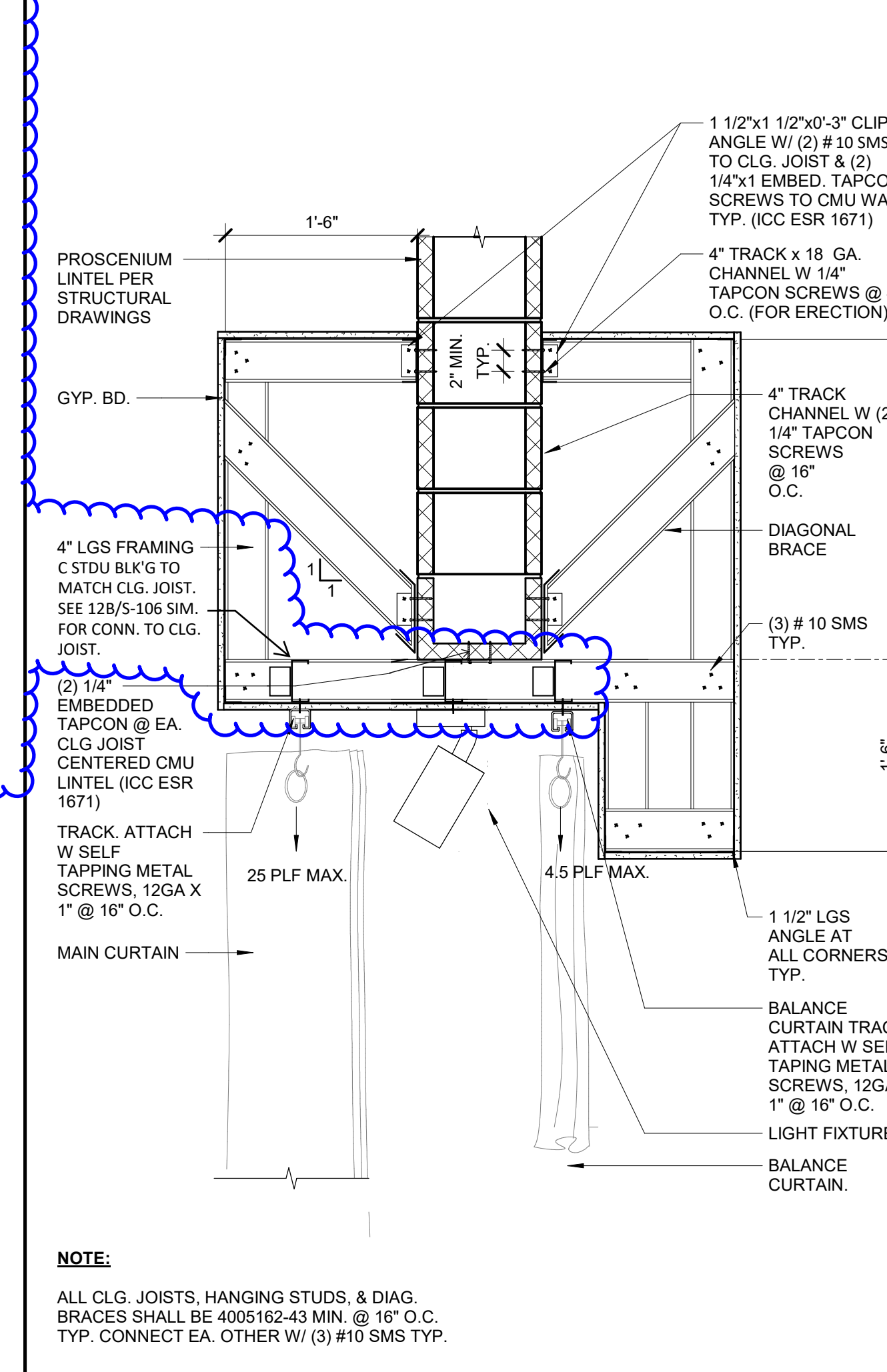
**ACCESSIBLE BENCH** 1/2" = 1'-0" **10**



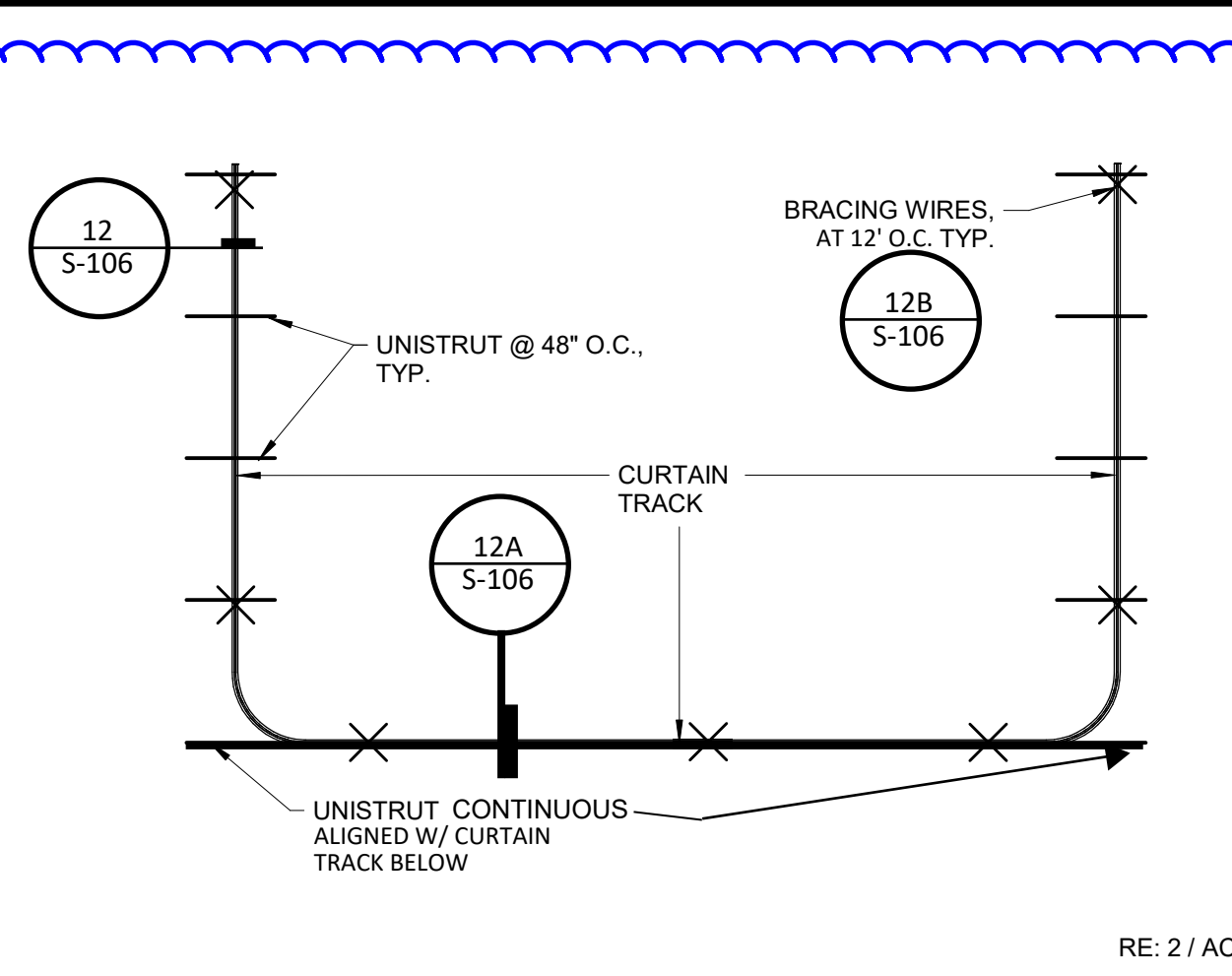
**FIRE EXTINGUISHER & CABINET** 1" = 1'-0" **5**



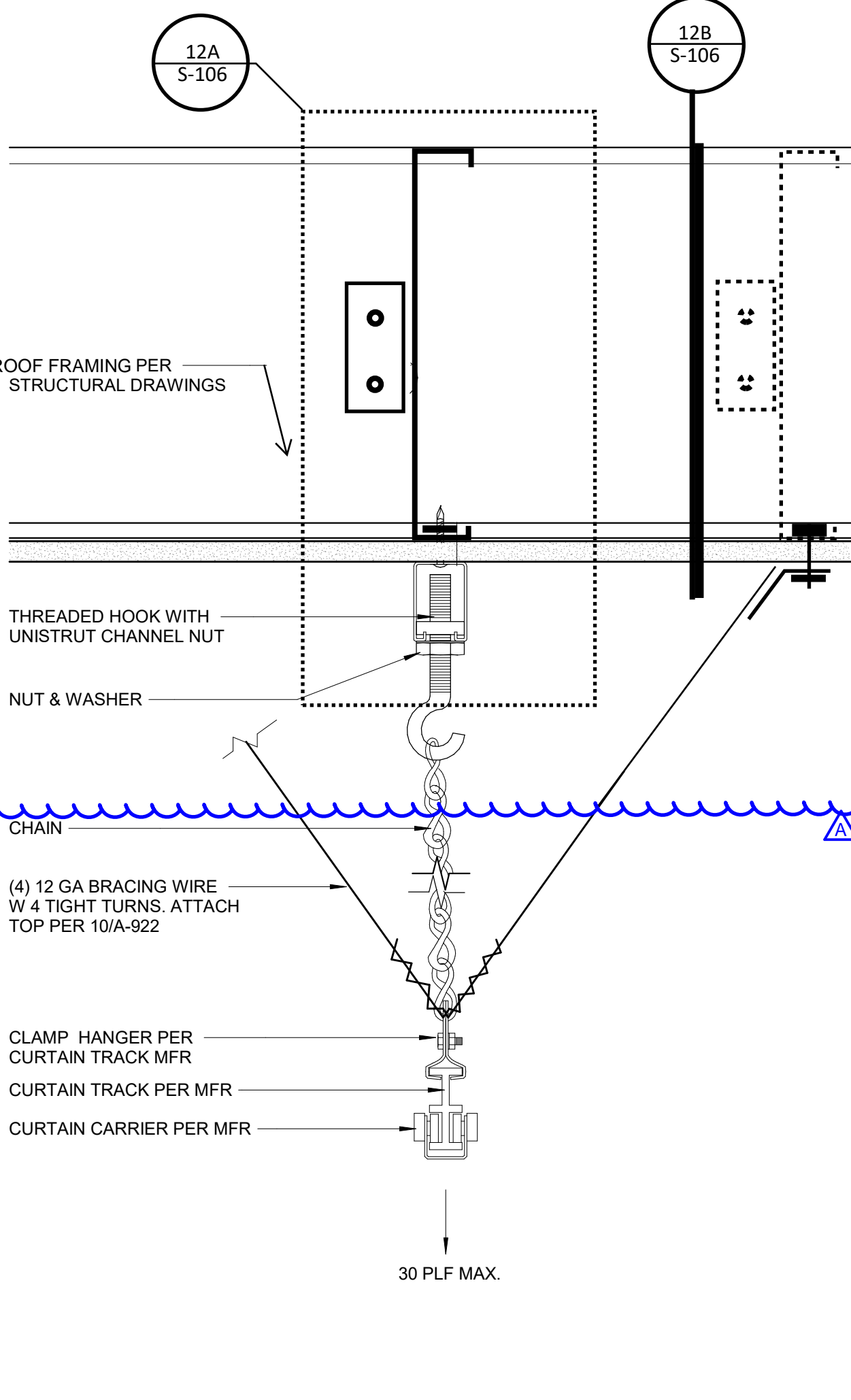
**ACOUSTICAL WALL PANELS** 3" = 1'-0" **16**



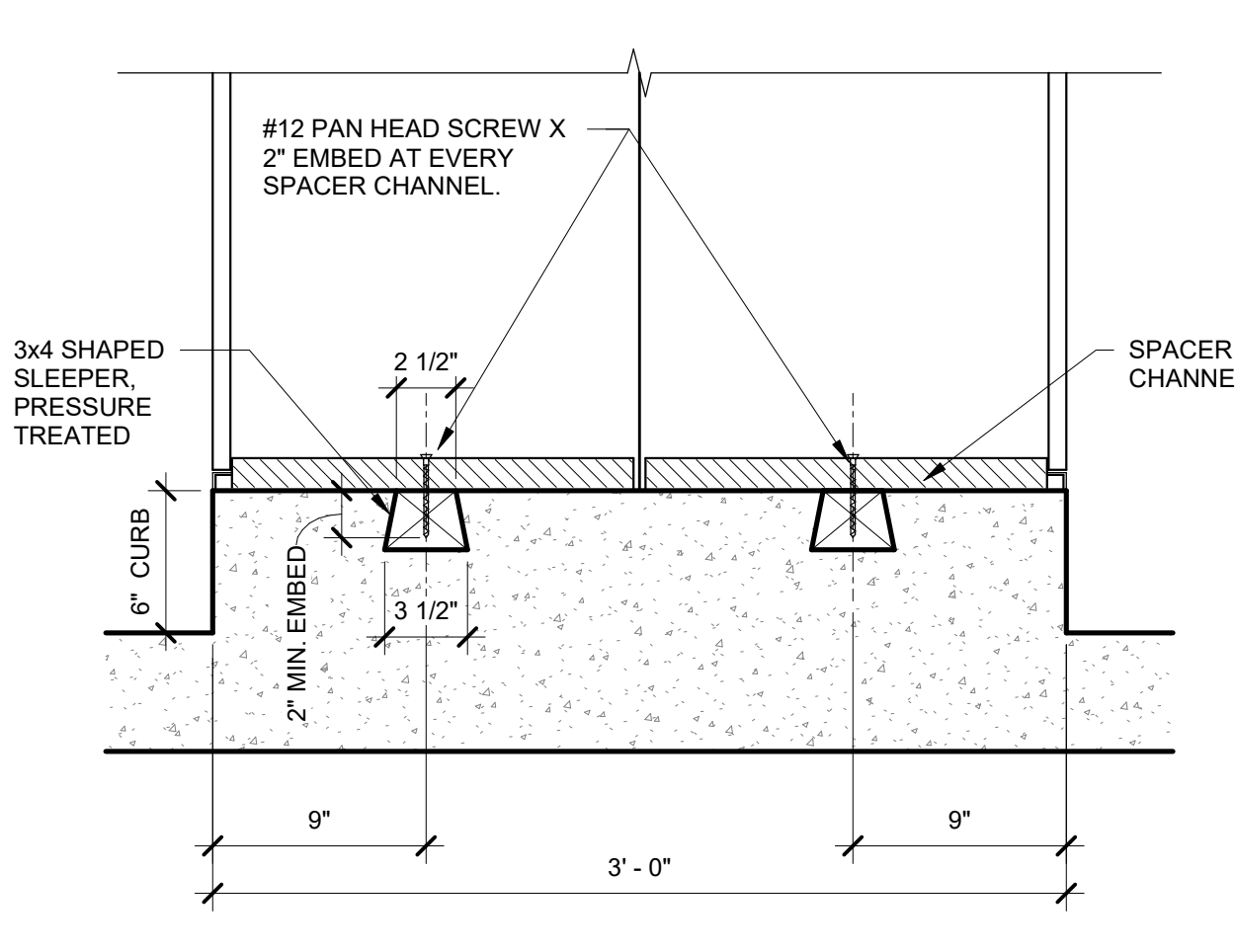
**PROCENIUM FRAMING** 1" = 1'-0" **18**



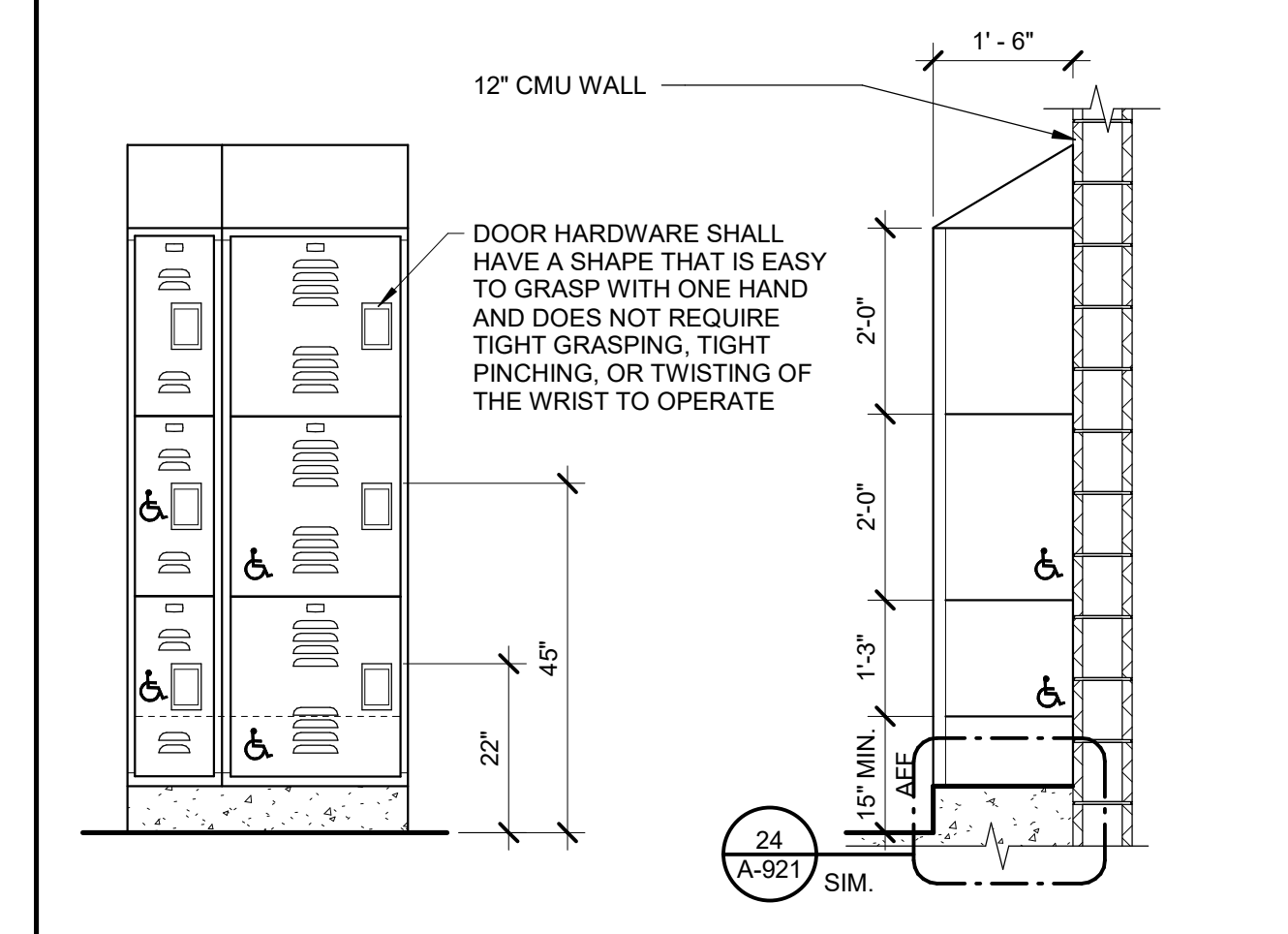
**CURTAIN TRACK ATTACHMENT PLAN** N.T.S. **21**



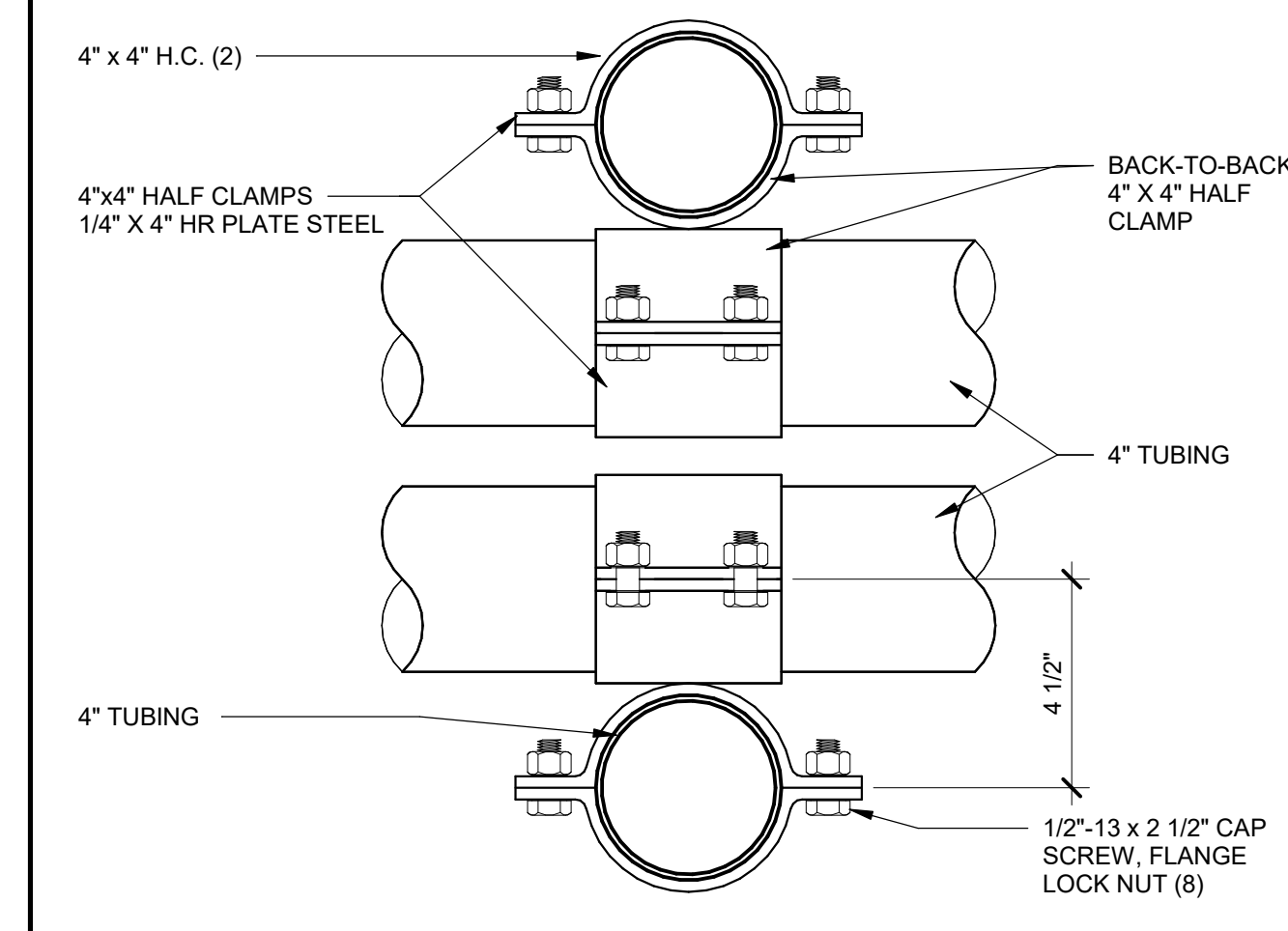
**CURTAIN TRACK ATTACHMENT @ STAGE** 3" = 1'-0" **23**



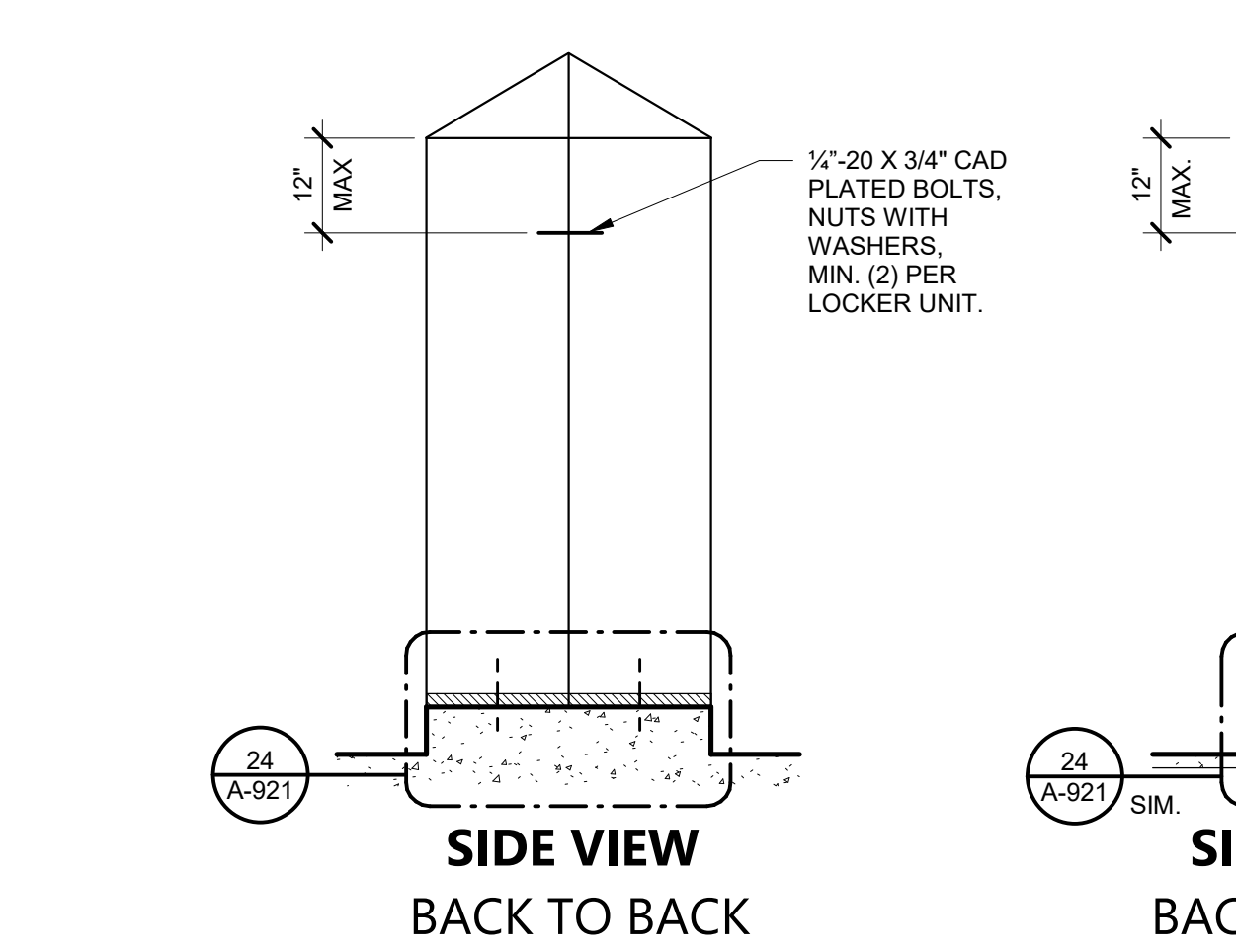
**METAL LOCKER BASE** 1 1/2" = 1'-0" **24**



**ACCESSIBLE LOCKER** 1/2" = 1'-0" **19**



**BACK-TO-BACK HALF CLAMP** 3" = 1'-0" **15**



**TYP. LOCKER INSTALLATION** 1/2" = 1'-0" **20**

FILE LOCATION: C:\Users\Hcruz\Documents\20179.01\_OUSD\_OAHS MUR\_A20\_V2\_hcnzy\PB9K.rvt DATE PLOTTED: 3/24/2022 2:03:33 PM



560 HIGUERA STREET, SUITE C  
SAN LUIS OBISPO, CA 93401  
TEL (805) 476-0399

CONSULTANTS  
CIVIL ENGINEER  
STANTEC CONSULTING SERVICES INC.  
111 East Victoria Street  
Santa Barbara, CA 93101  
TEL (805) 680-6830

LANDSCAPE ARCHITECT  
LANDIS ASSOCIATES  
3427 Miguelito Court  
San Luis Obispo, CA 93401  
TEL (805) 541-4509

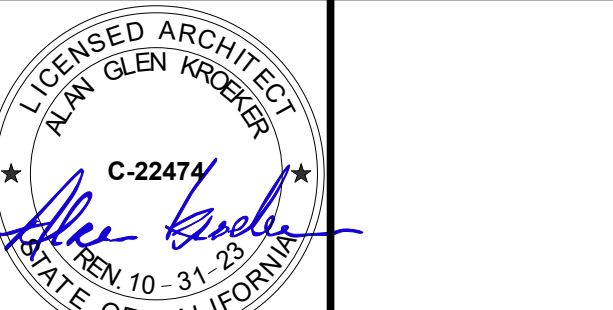
STRUCTURAL ENGINEER  
STORK, WOLFE & ASSOCIATES  
555 Chorro Street, Suite A1  
San Luis Obispo, CA 93405  
TEL (805) 548-8900

MECHANICAL ENGINEER  
BMA MECHANICAL  
100 Cross Street, Suite 204  
San Luis Obispo, CA 93401  
TEL (805) 544-4269

ELECTRICAL ENGINEER  
THOMA ENGINEERING  
3562 Empelo, Suite C  
San Luis Obispo, CA 93406  
TEL (805) 543-3850

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100 Cross Street, Suite 204  
San Luis Obispo, CA 93401  
TEL (805) 544-42-69

ARCHITECT STAMP CONSULTANT STAMP



REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| A   | 05-19-2022 | ADDENDUM A  |

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Orcutt, CA 93455

**ORCUTT ACADEMY HS MUR BUILDING**  
610 Pinal Avenue  
Orcutt, CA 93455

SHEET TITLE

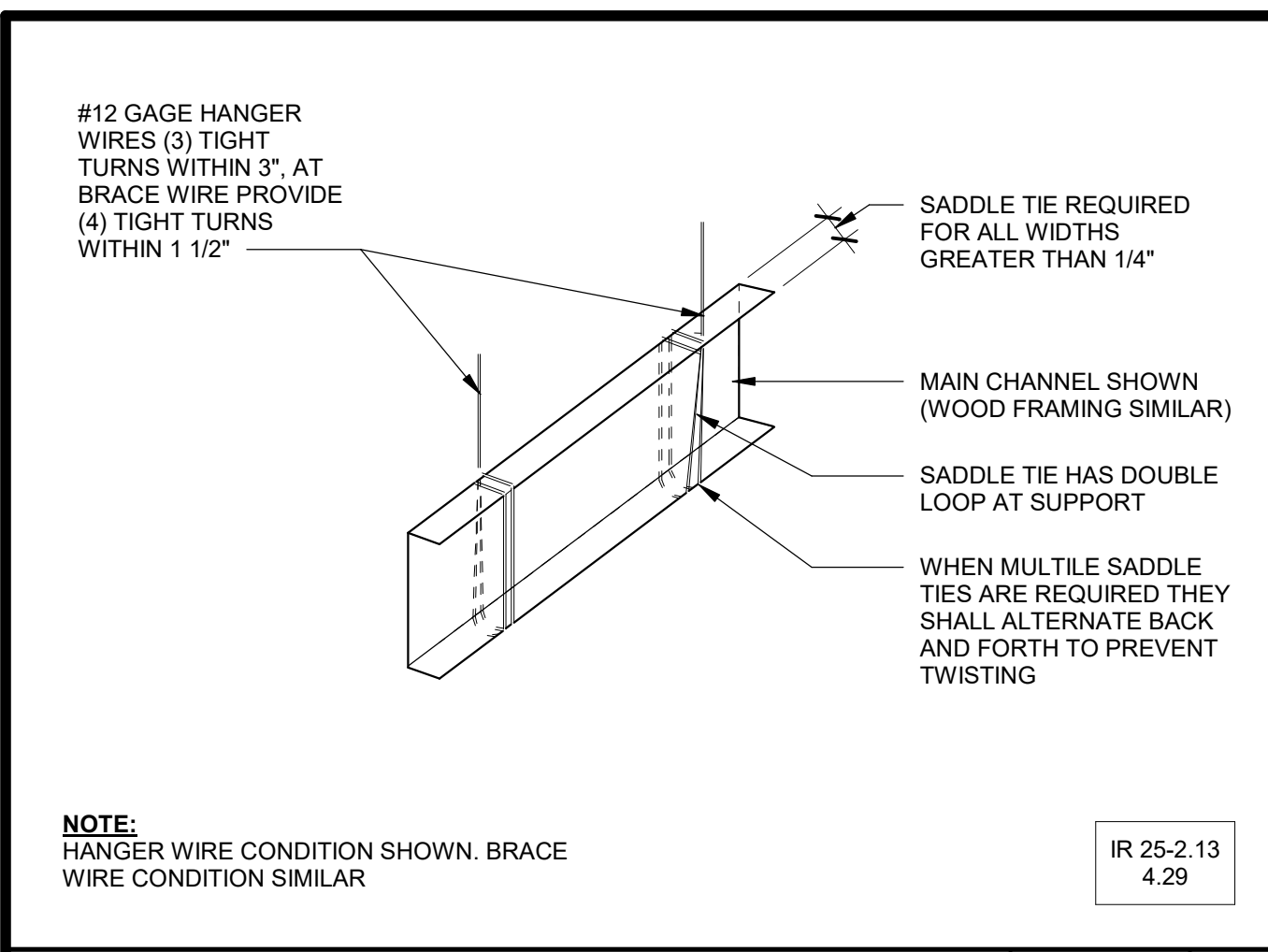
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DRAWN BY: MB JOB NUMBER: 20179.01

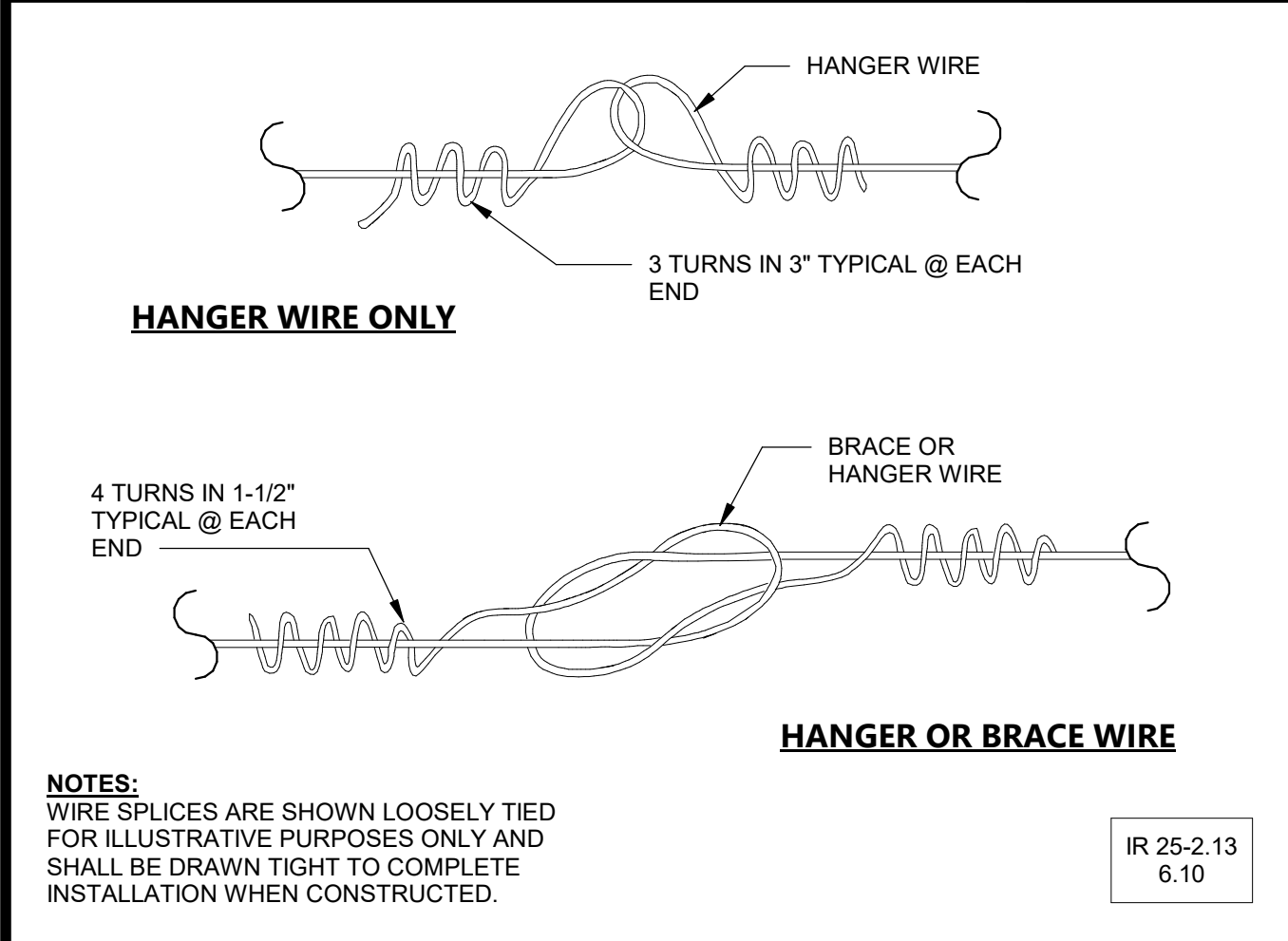
SHEET NO.

**A-922**

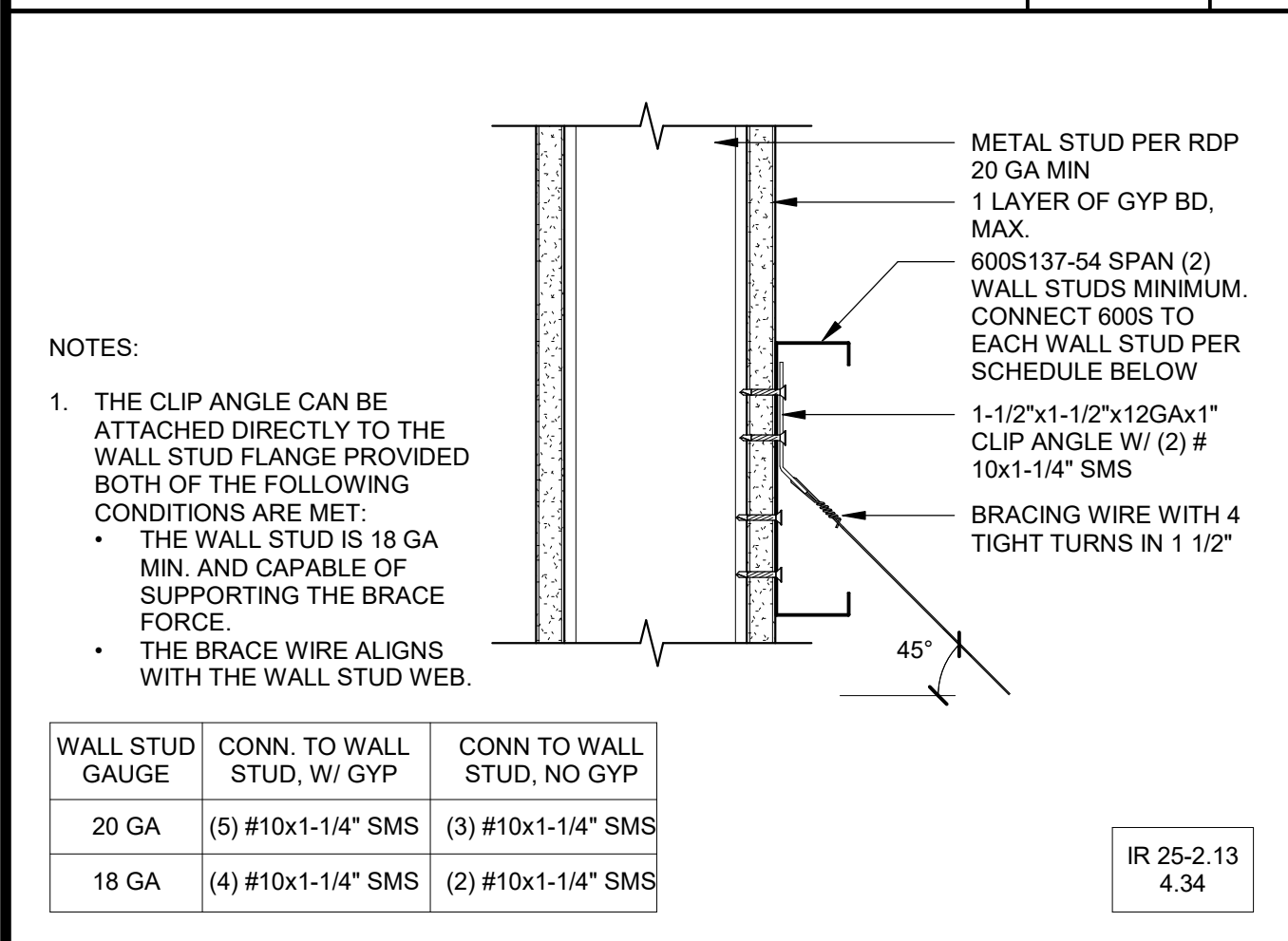
DATE: MAY 10, 2022



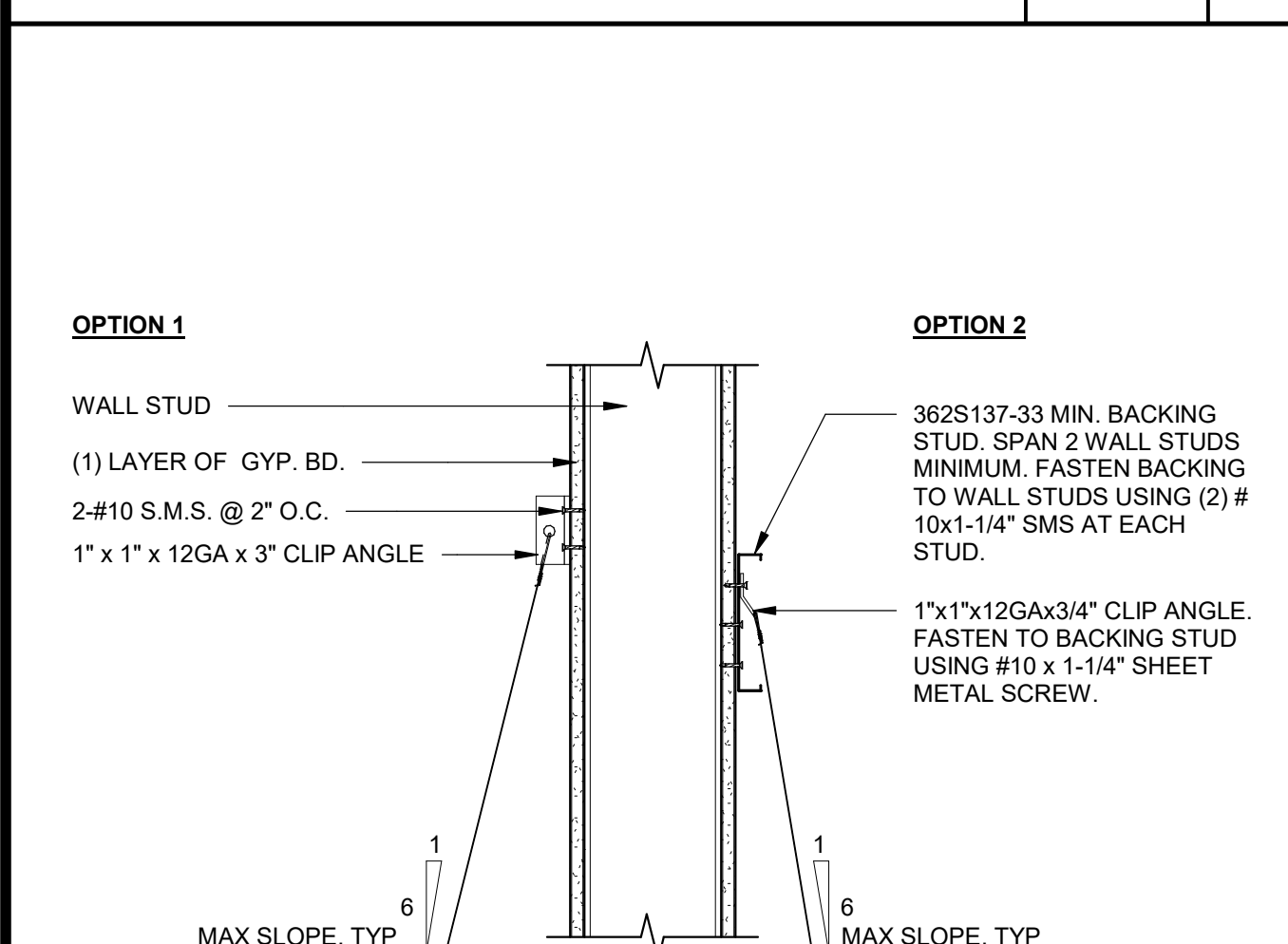
**TYPICAL SADDLE TIE** N.T.S. 21



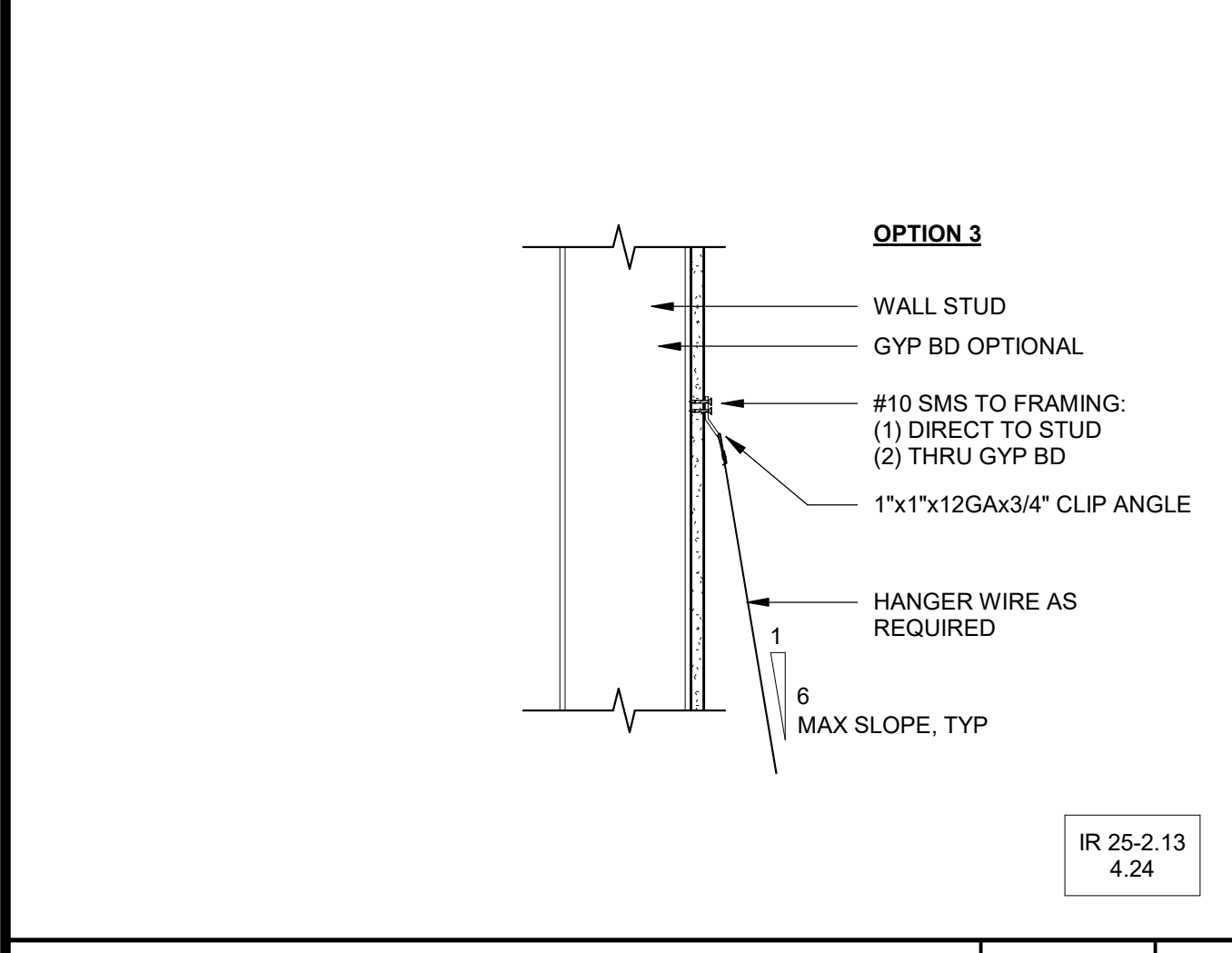
**TYPICAL WIRE SPLICES** N.T.S. 22



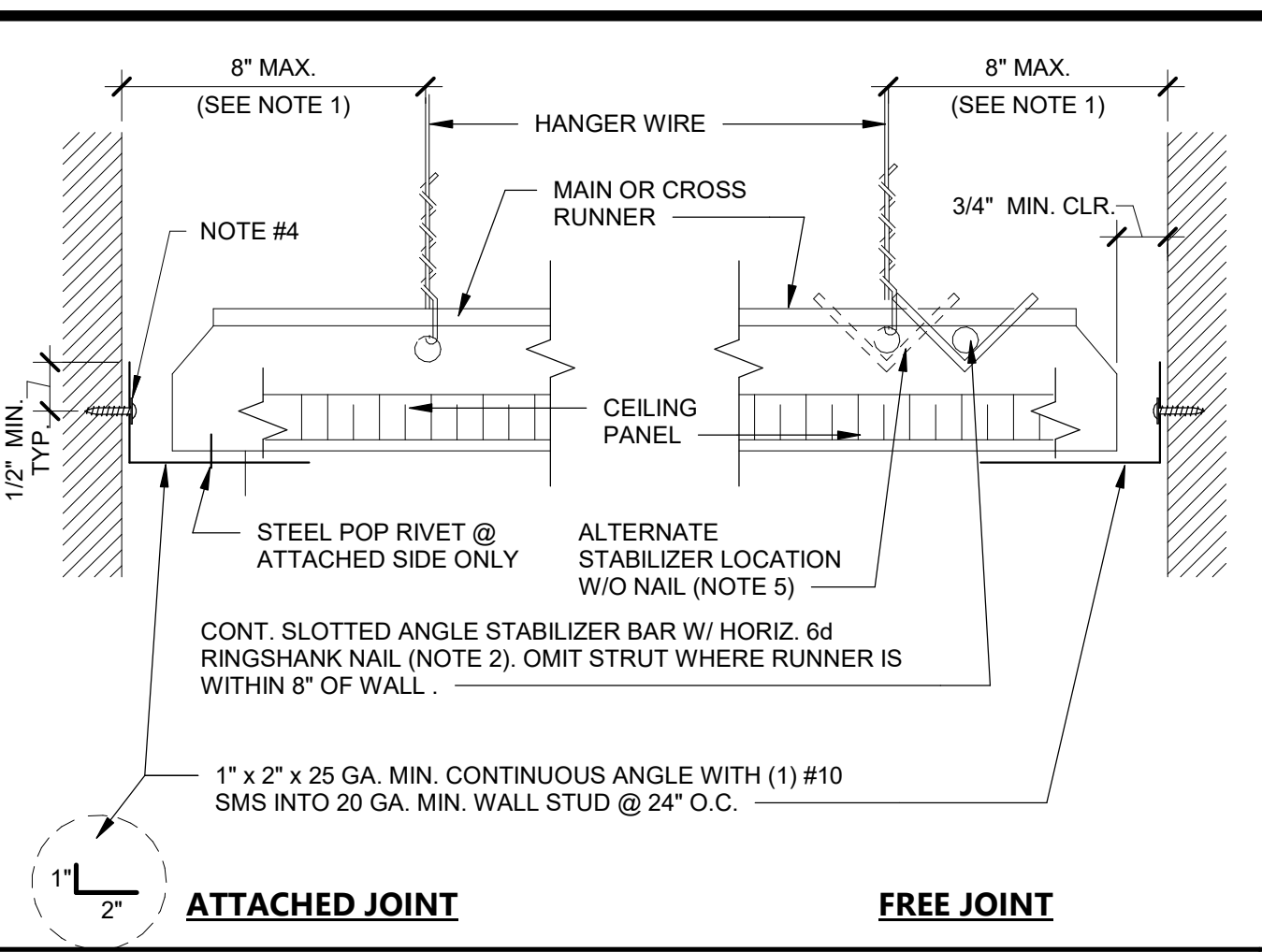
**BRACING WIRE @ METAL STUD WALL** N.T.S. 23



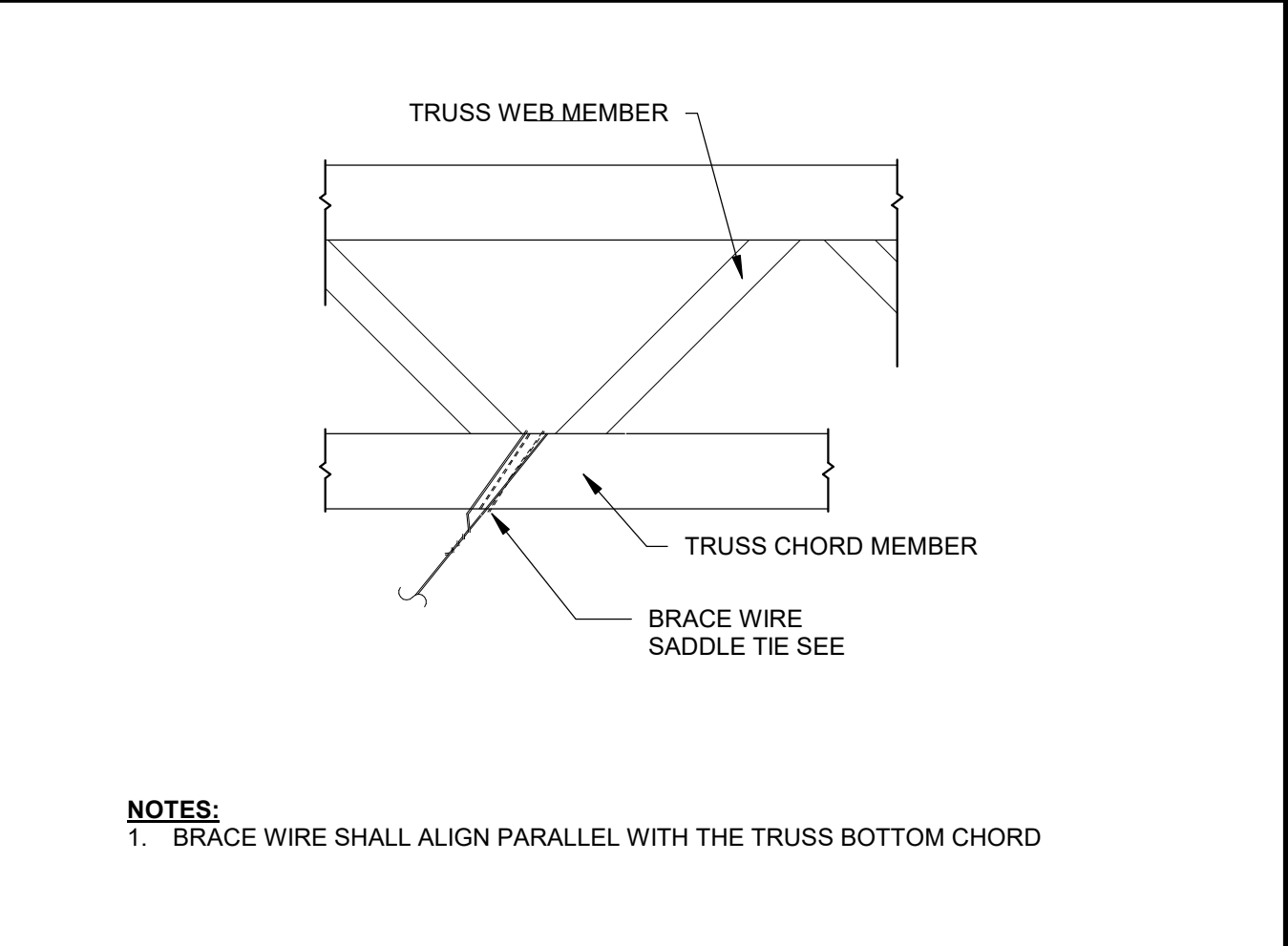
**HANGER WIRE CONN. TO METAL DECK** N.T.S. 19



**HNGR WIRE CONN TO MTL STUD WALL** N.T.S. 25



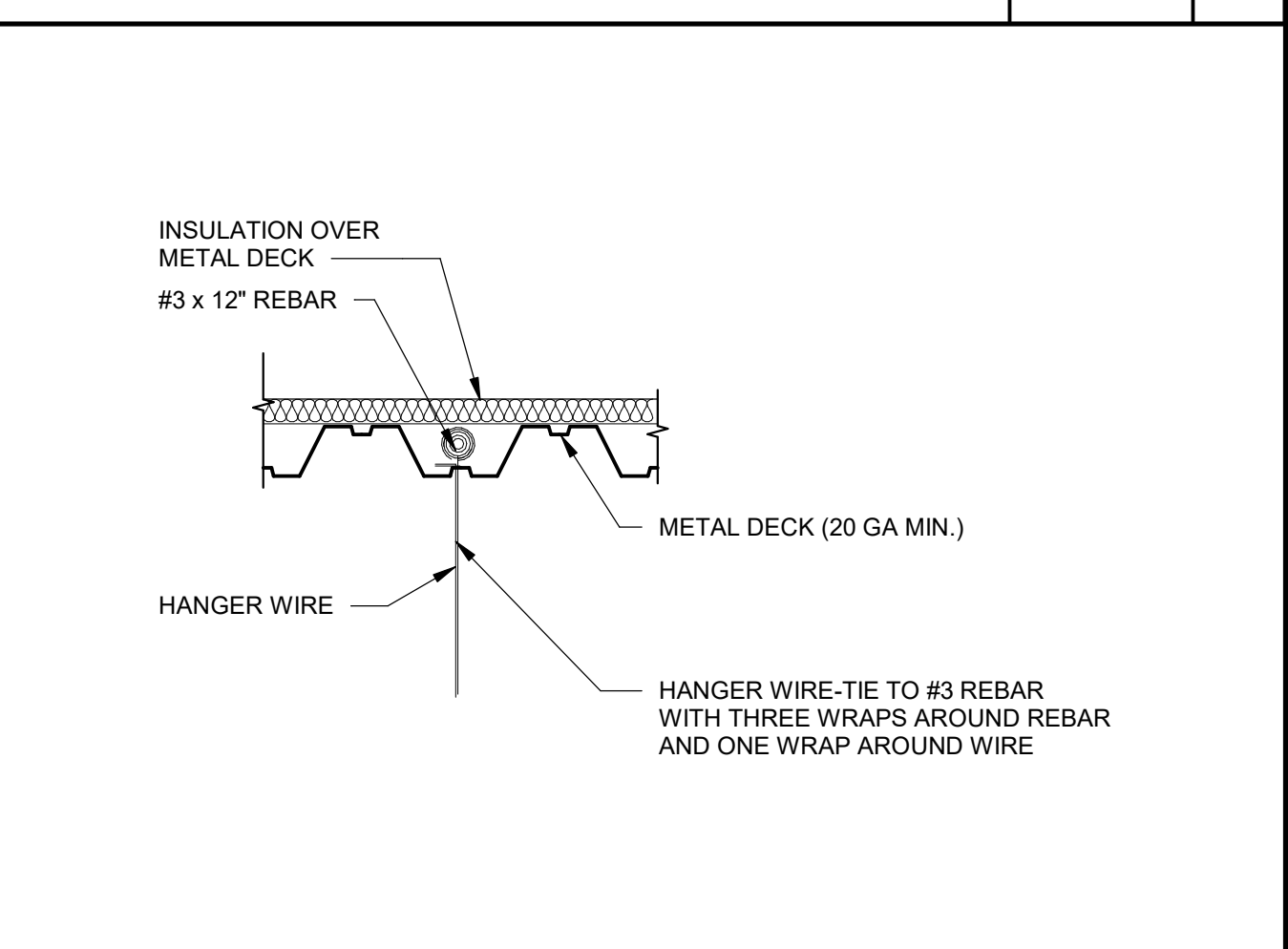
**CEILING PERIMETER** N.T.S. 11



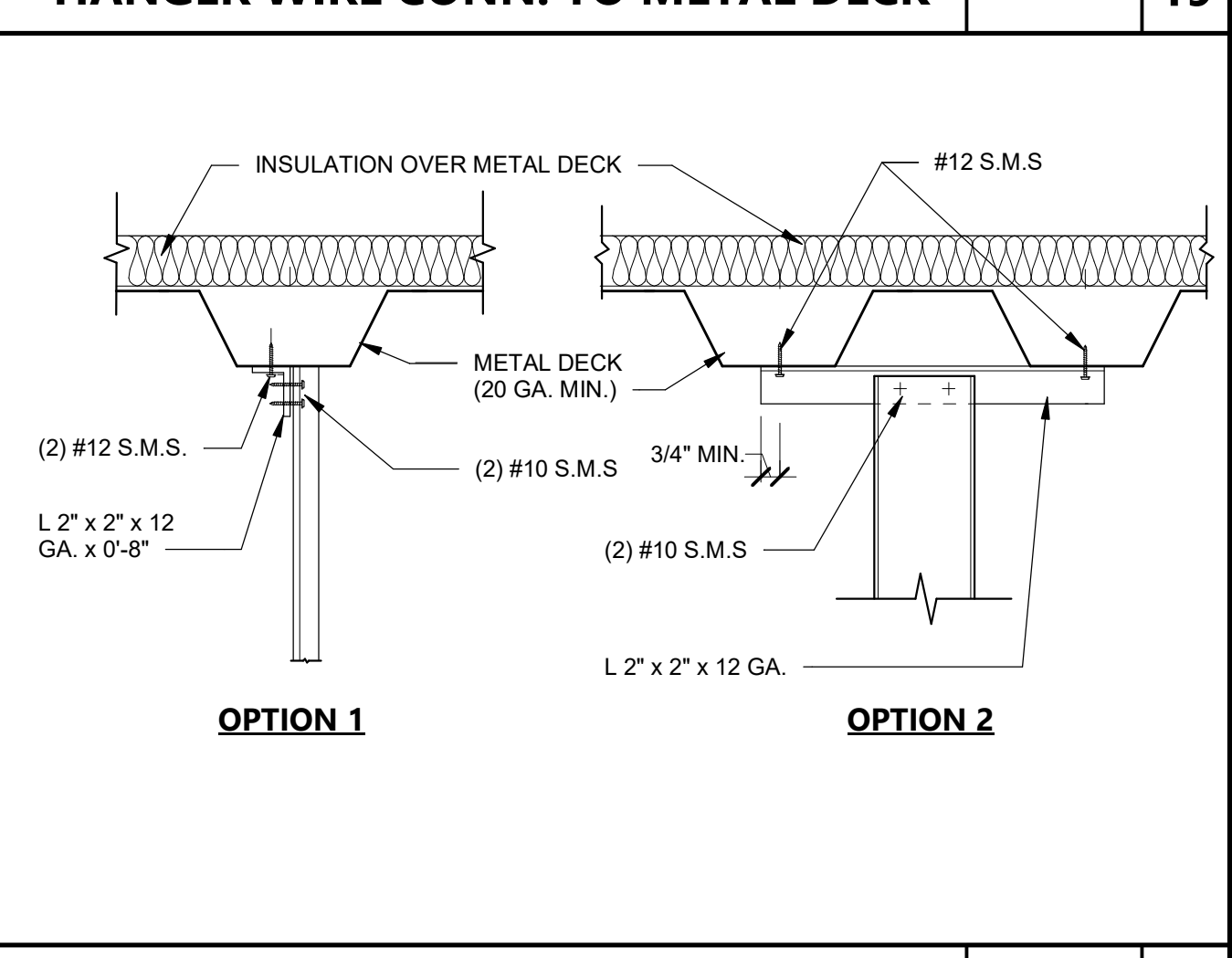
**CHANNEL TYPE STRUT** N.T.S. 13

| CHANNEL COMPRESSION STRUT | MAXIMUM LENGTH |
|---------------------------|----------------|
| 2505125-33                | 5'-0"          |
| 2505137-33                | 6'-10"         |
| 3628137-33                | 8'-0"          |
| 250137-43                 | 8'-10"         |
| 4008137-43                | 10'-10"        |

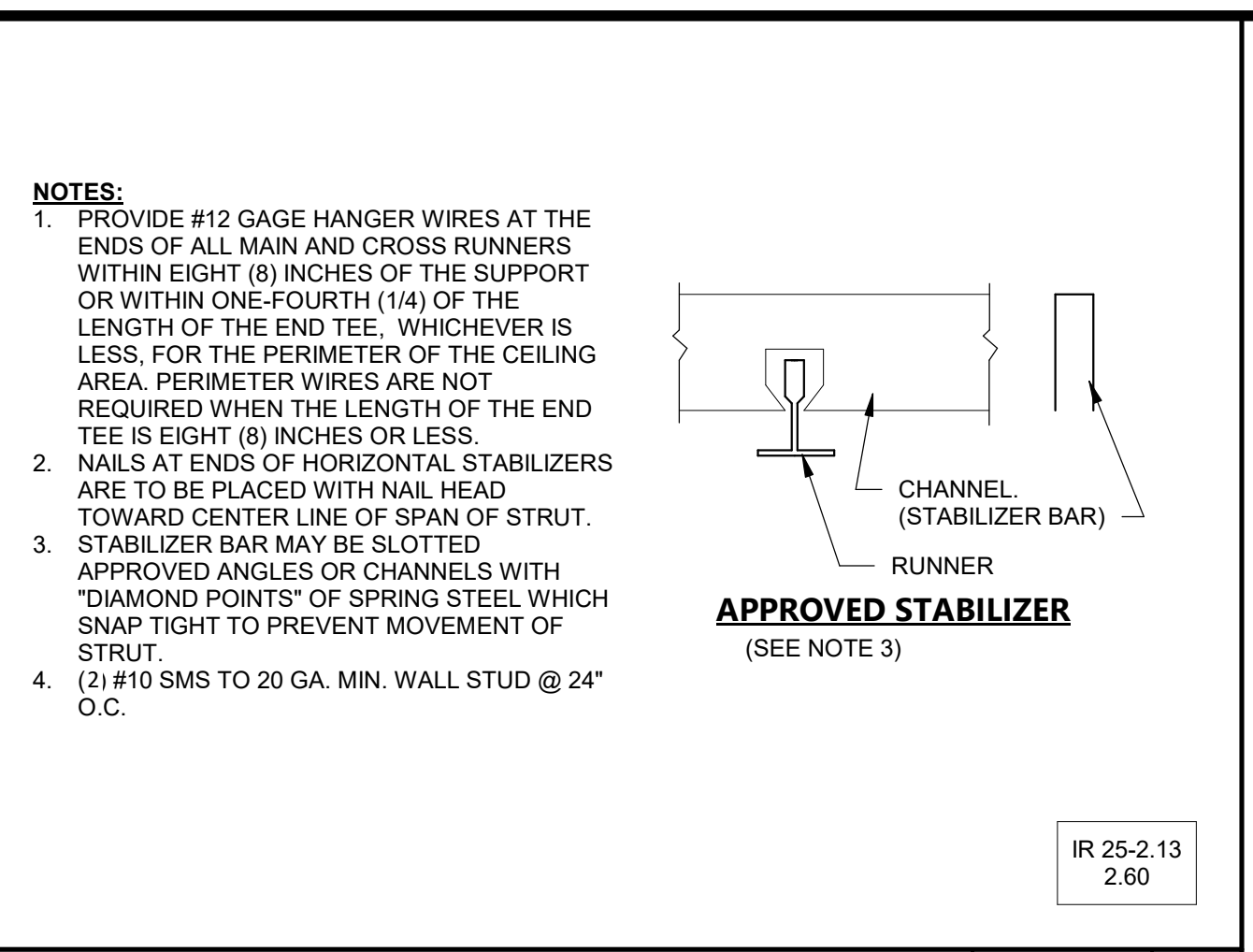
**ACOUSTICAL CEILING TILE NOTES** 12" = 1'-0" 3



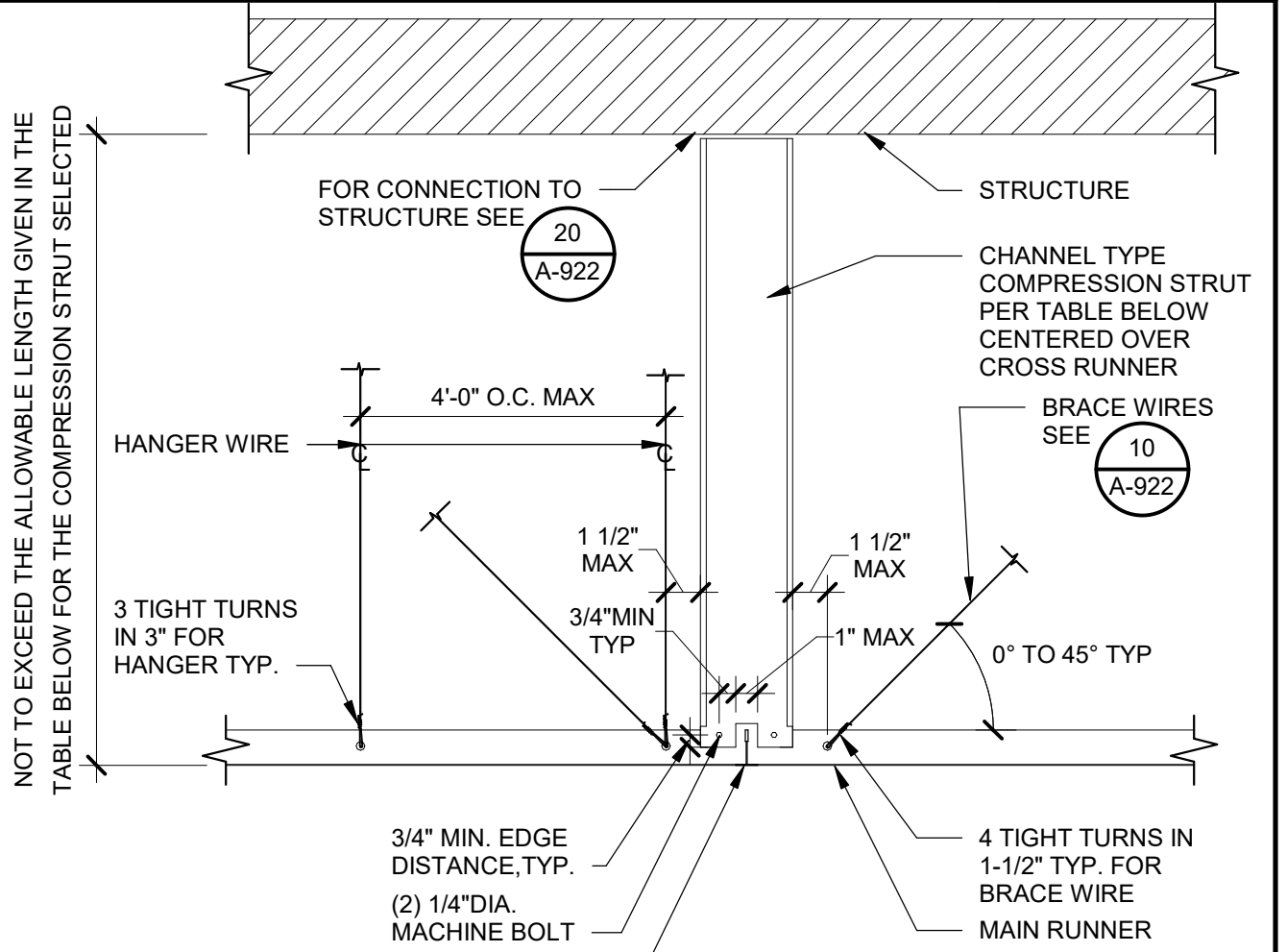
**HANGER WIRE CONN. TO METAL DECK** N.T.S. 19



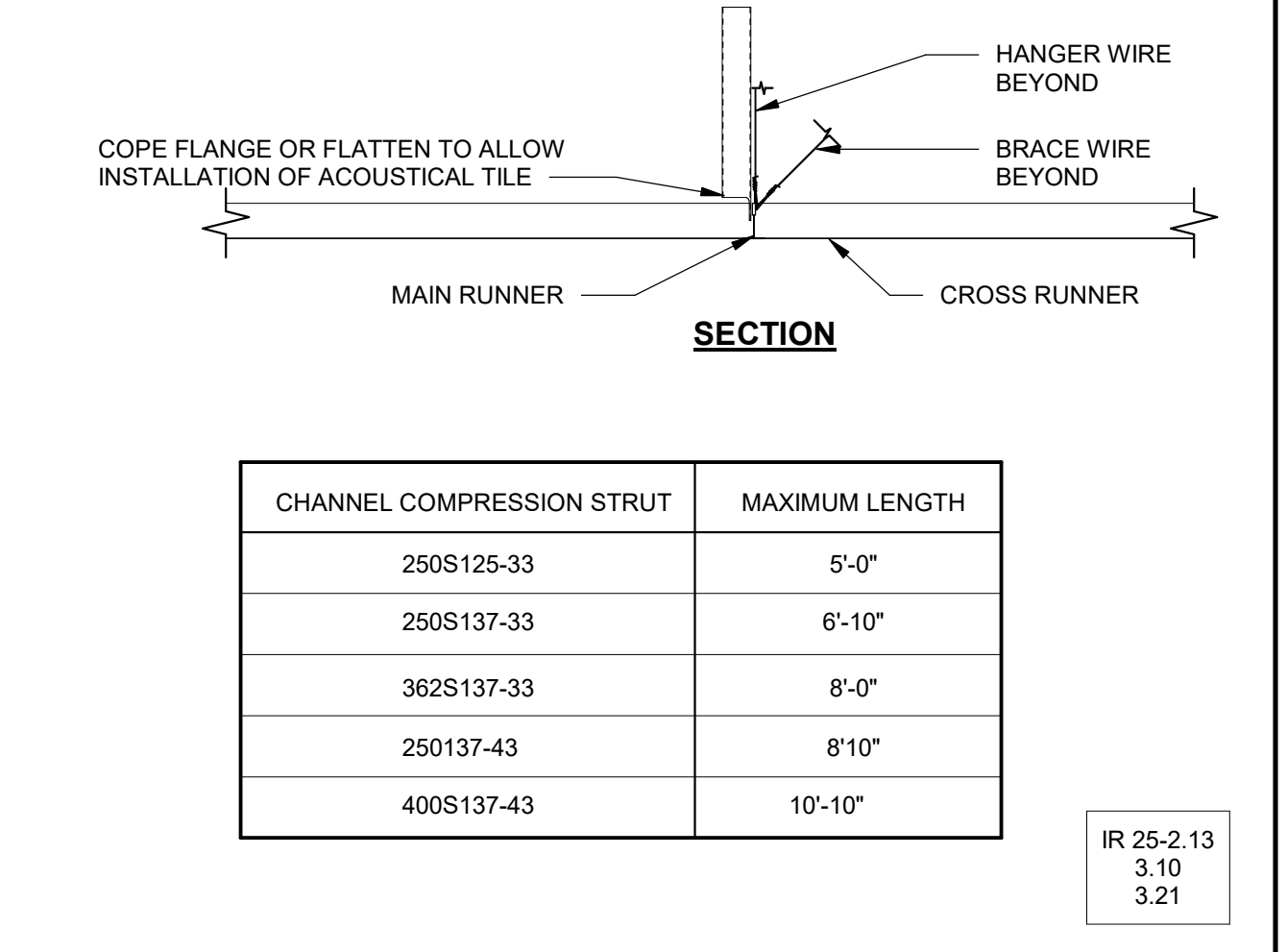
**CHANNEL STRUT AT METAL DECK** N.T.S. 20



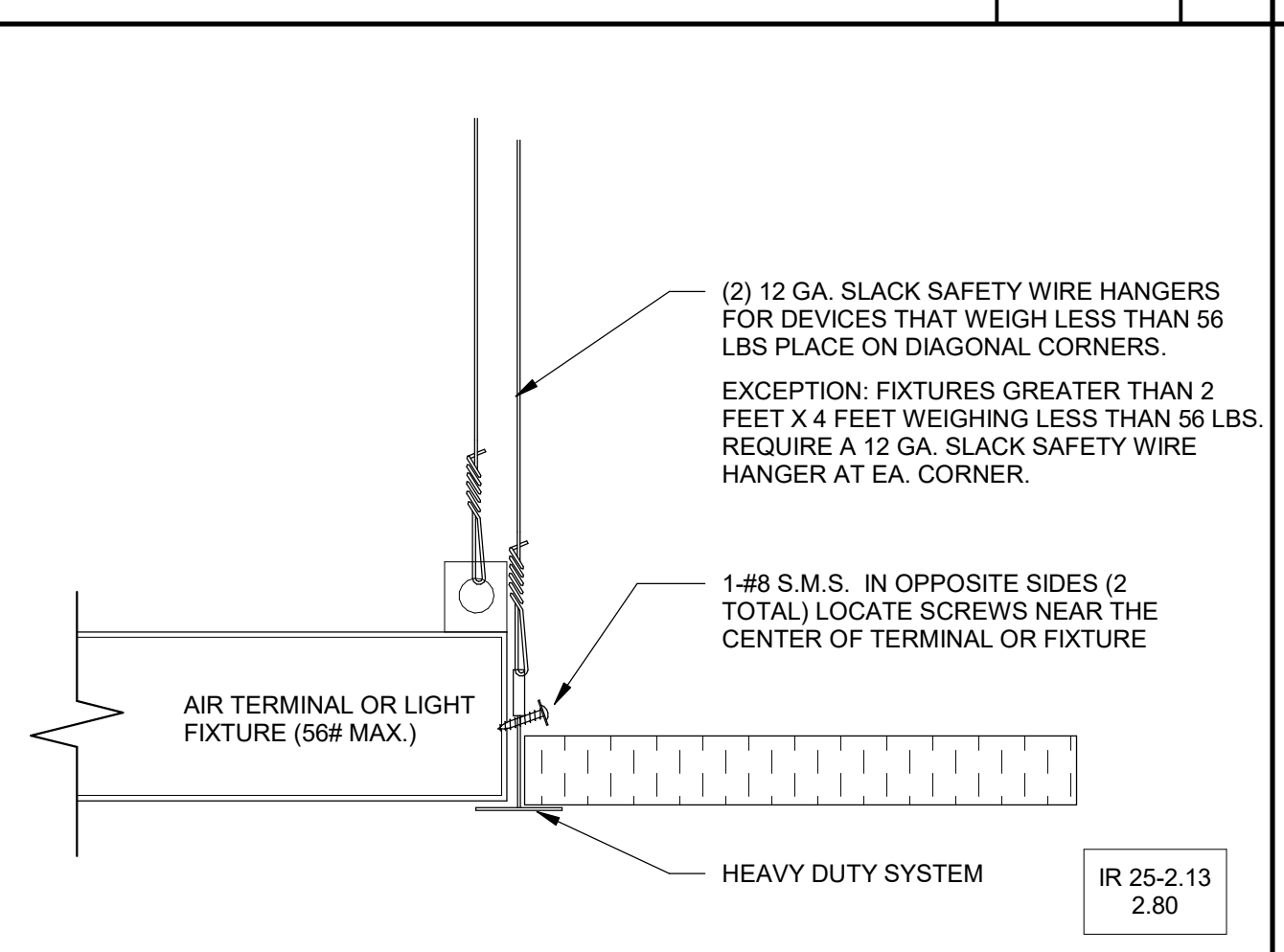
**CHANNEL TYPE STRUT** N.T.S. 13



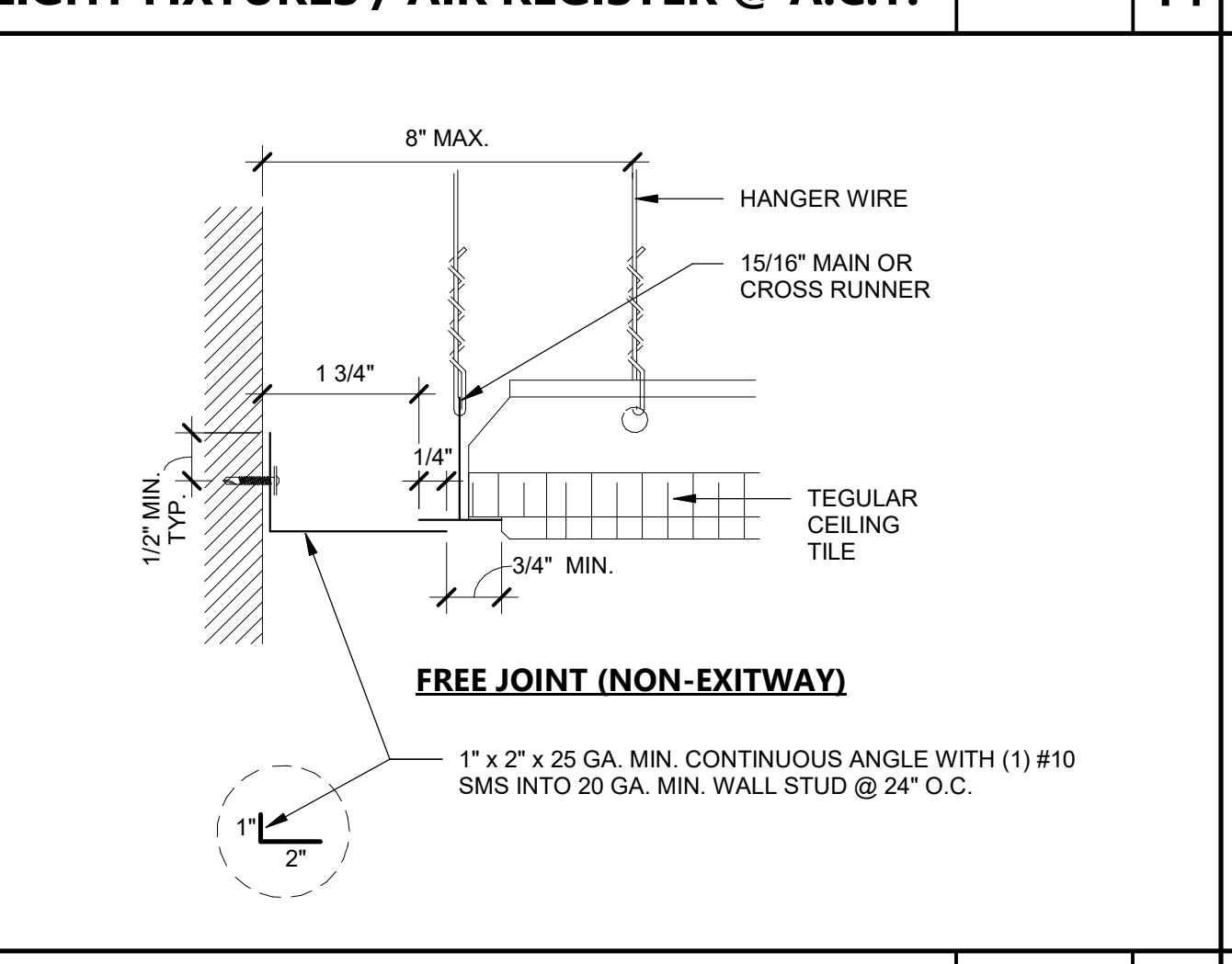
**LIGHT FIXTURES / AIR REGISTER @ A.C.T.** N.T.S. 14



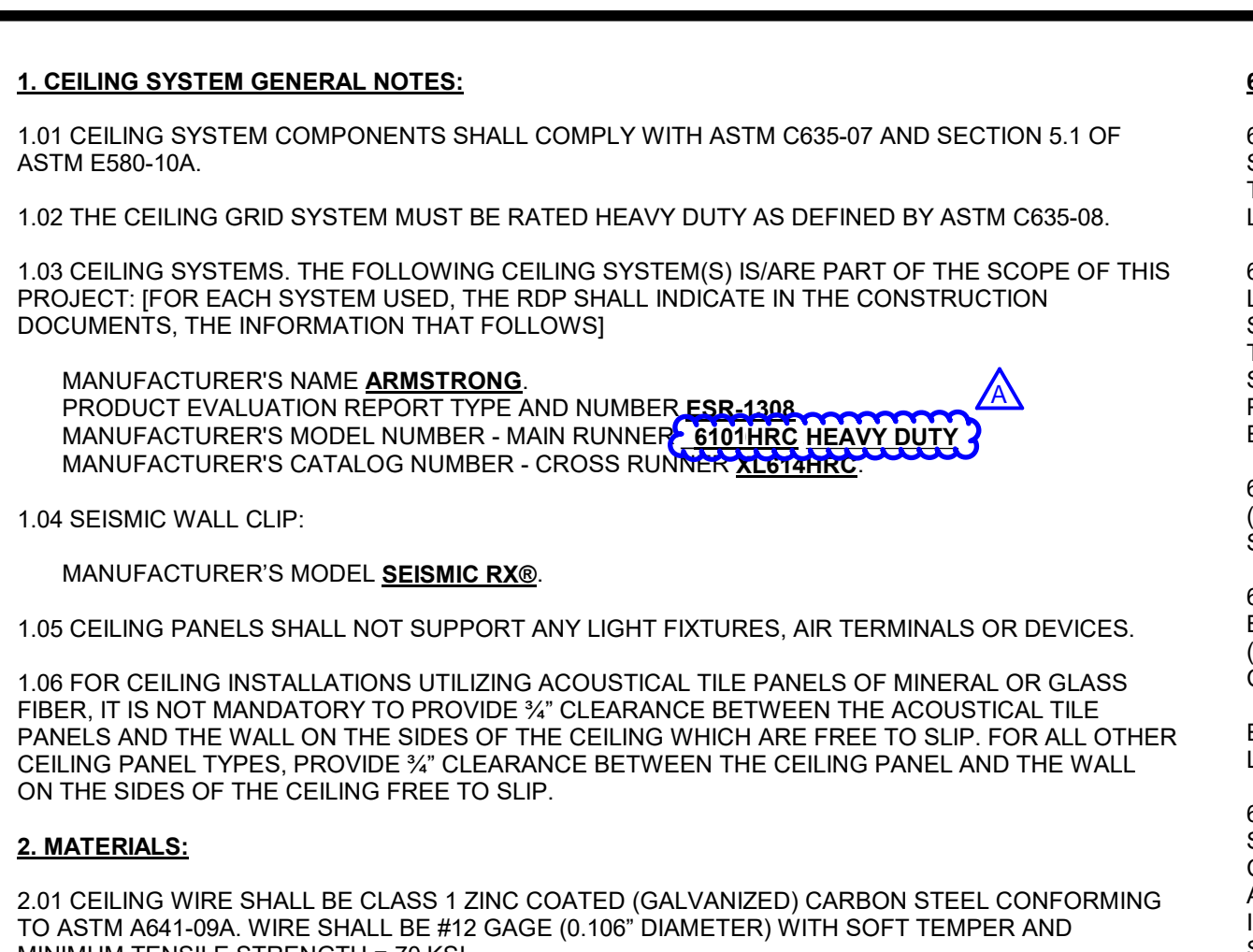
**RUNNER SPLICE** N.T.S. 9



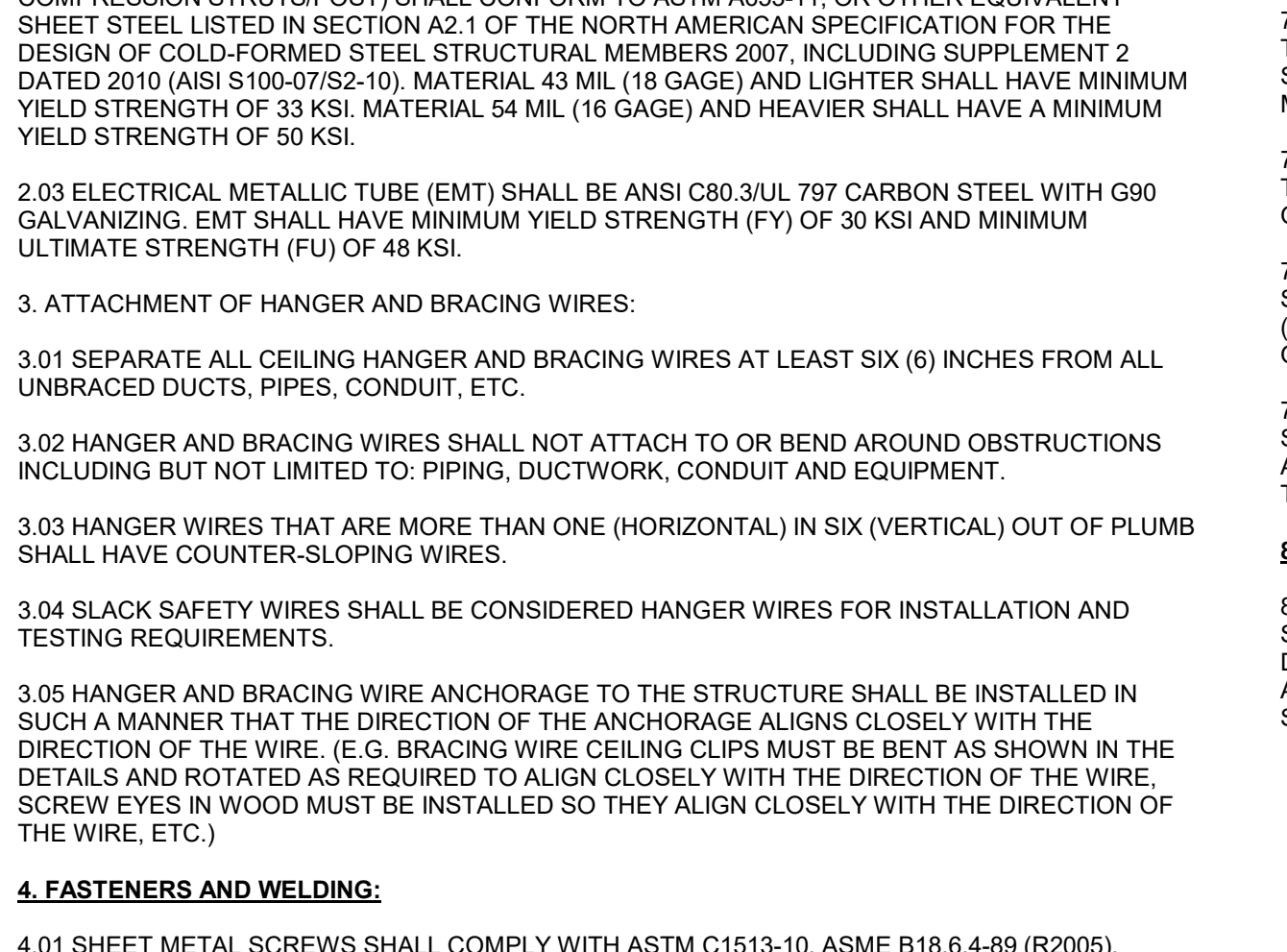
**TYPICAL CEILING PLAN 12'x12'** 18" = 1'-0" 1



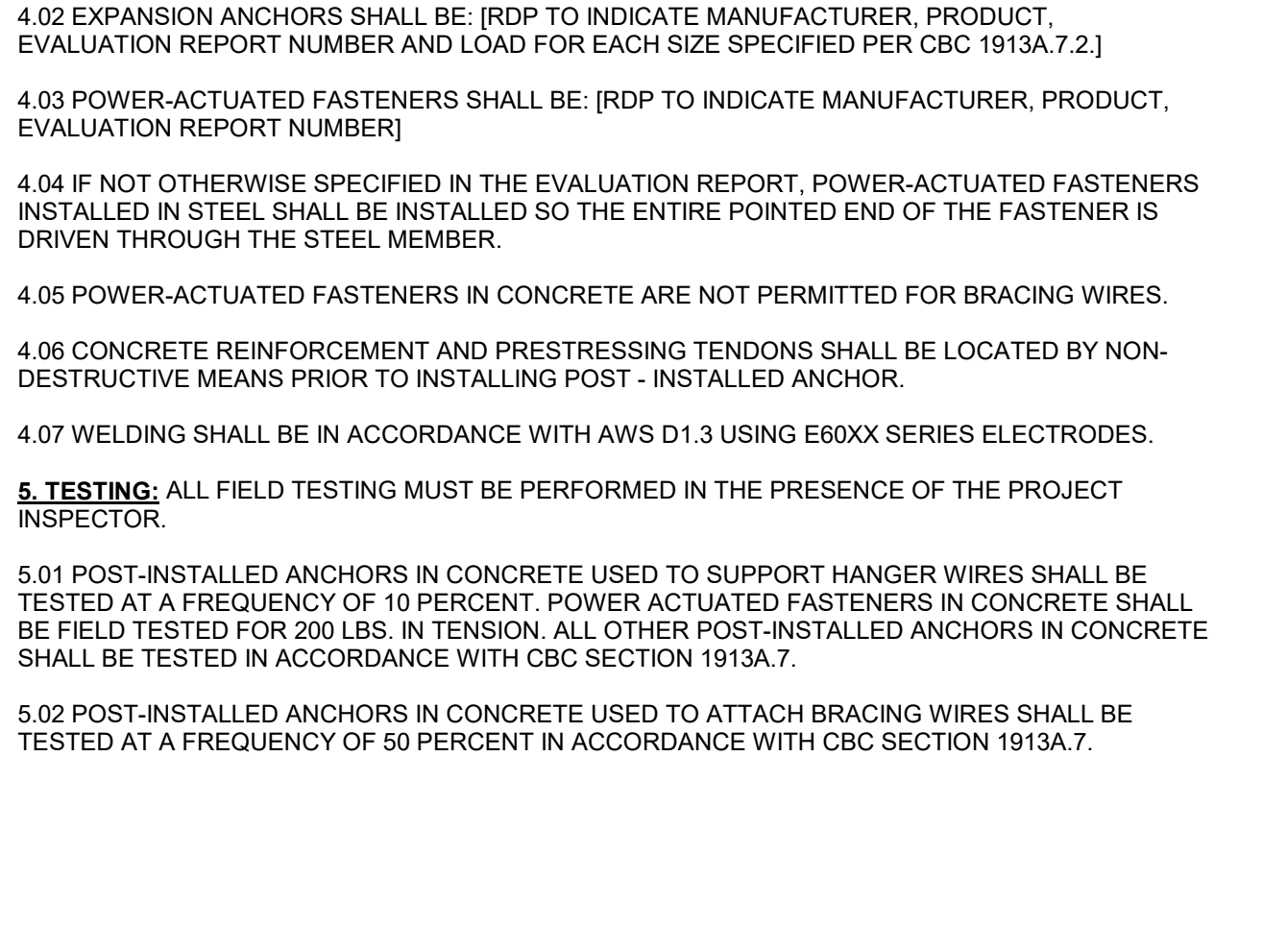
**CHANNEL STRUT AT METAL DECK** N.T.S. 20



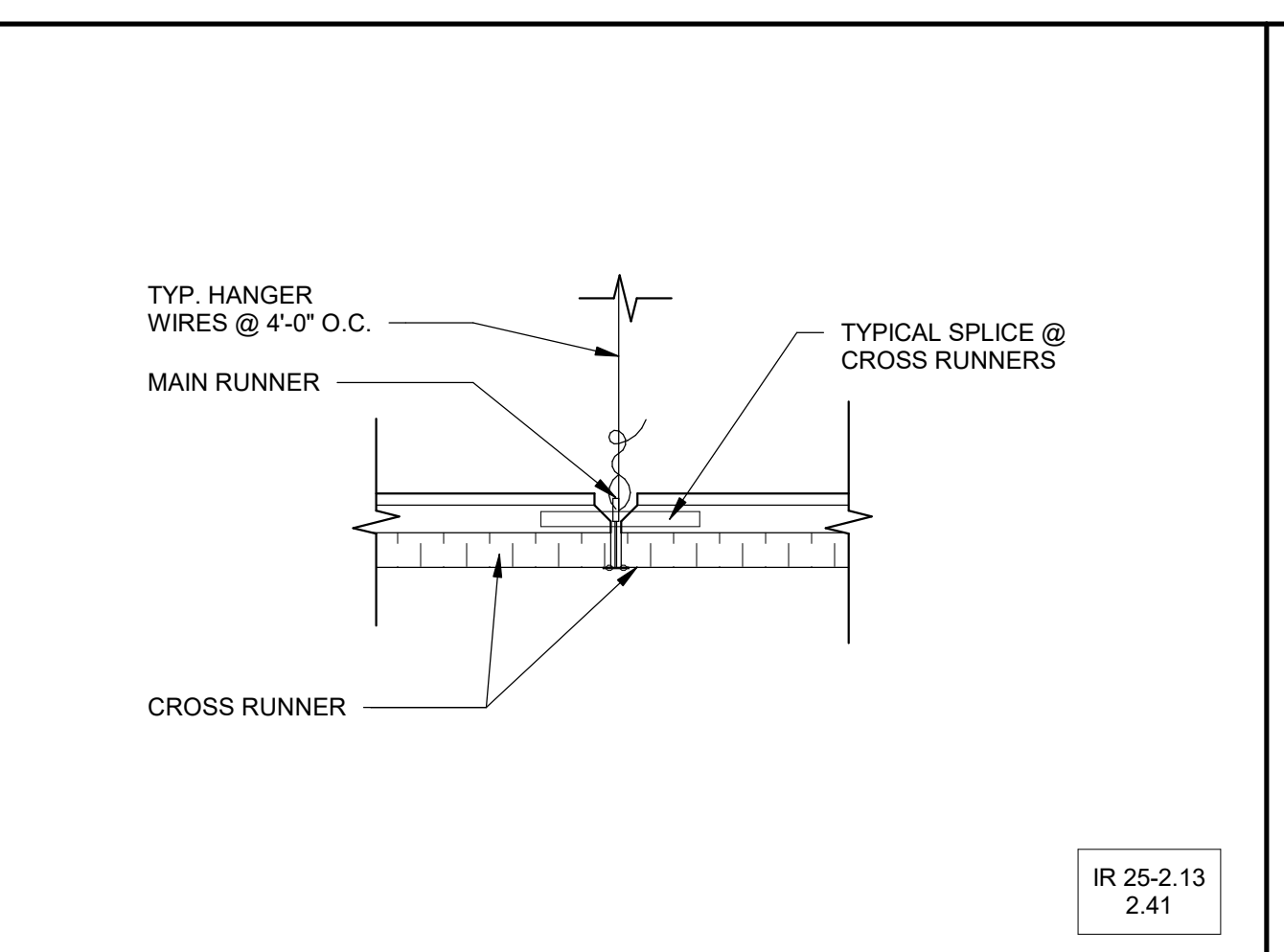
**CEILING PERIMETER** N.T.S. 11



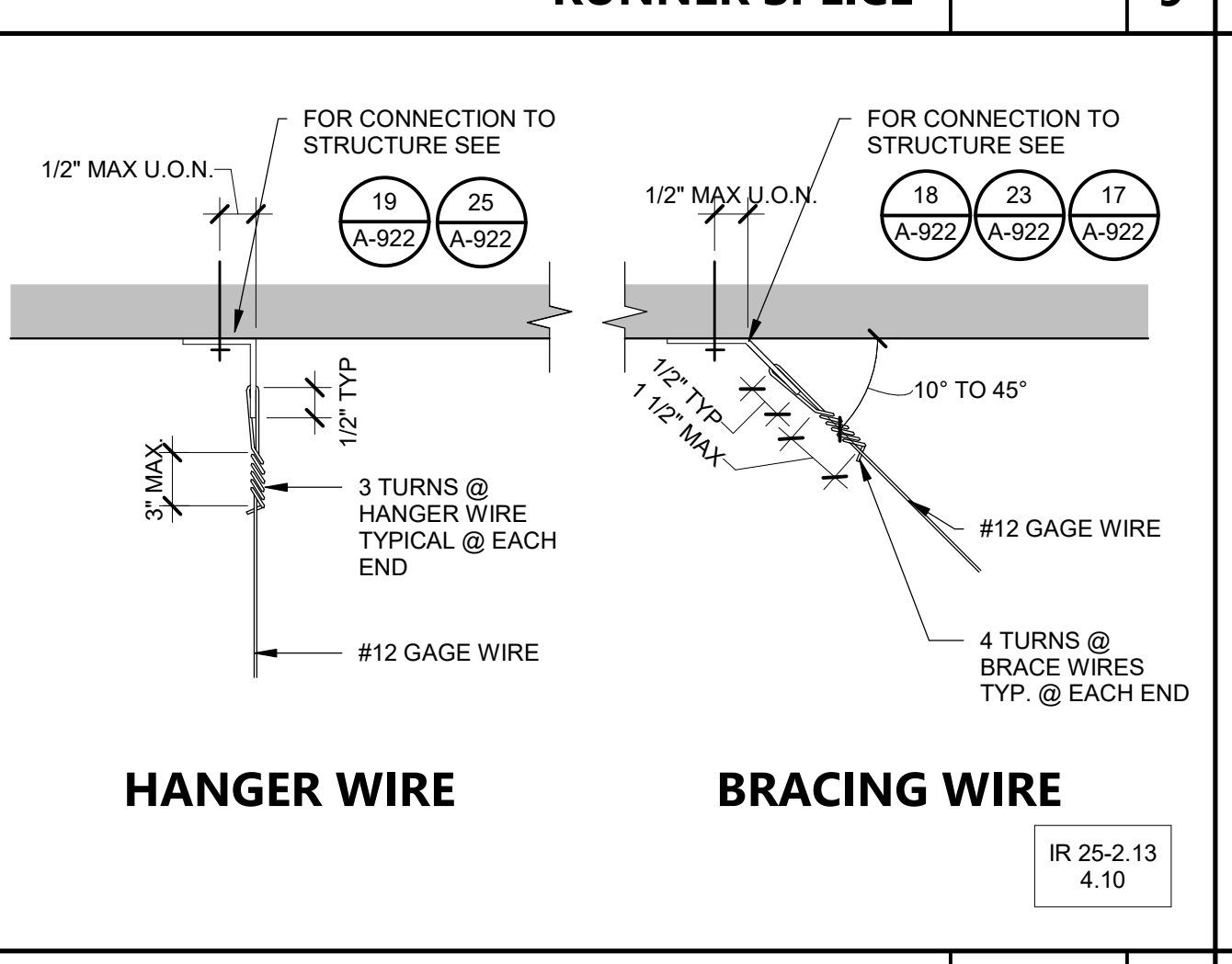
**CHANNEL TYPE STRUT** N.T.S. 13



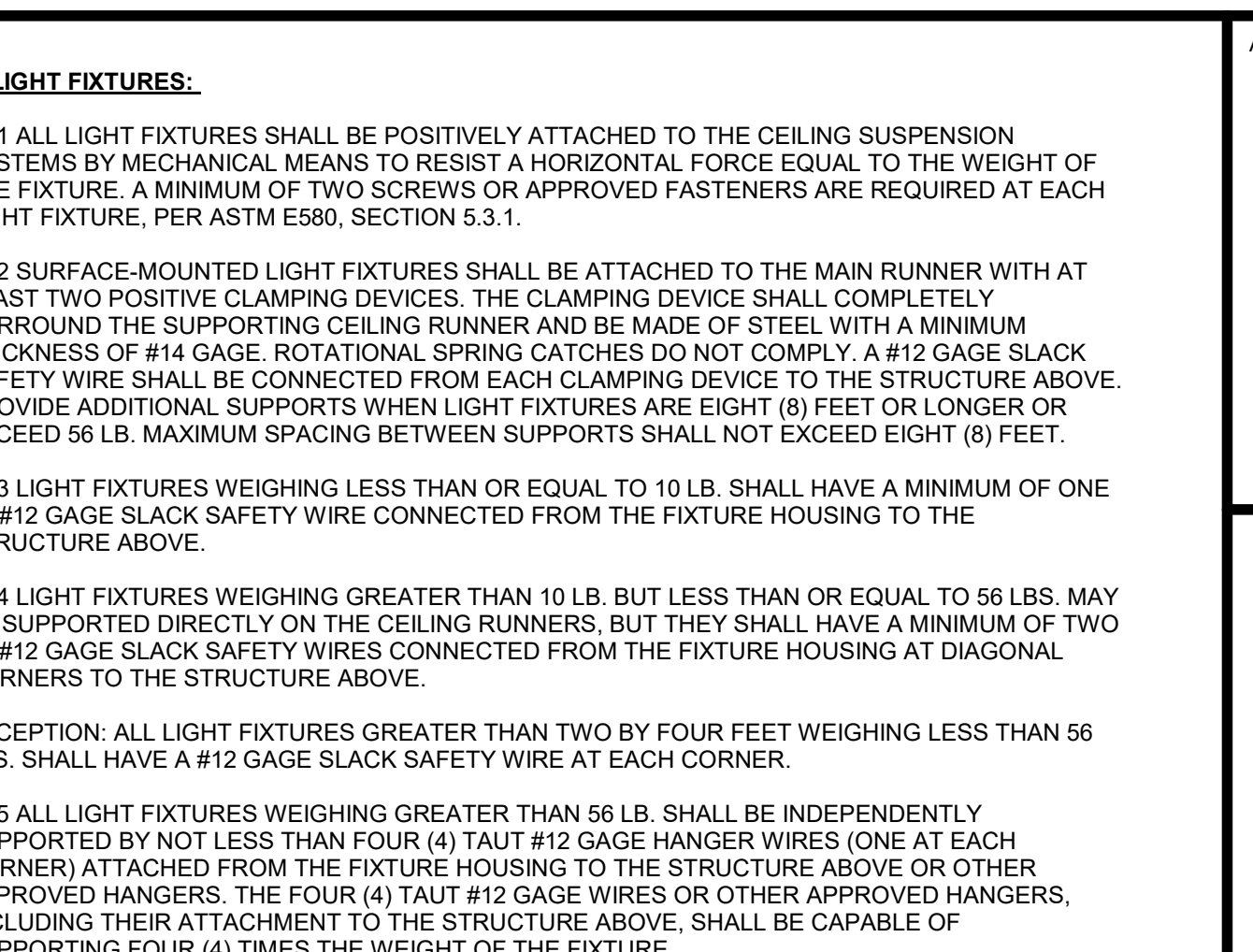
**LIGHT FIXTURES / AIR REGISTER @ A.C.T.** N.T.S. 14



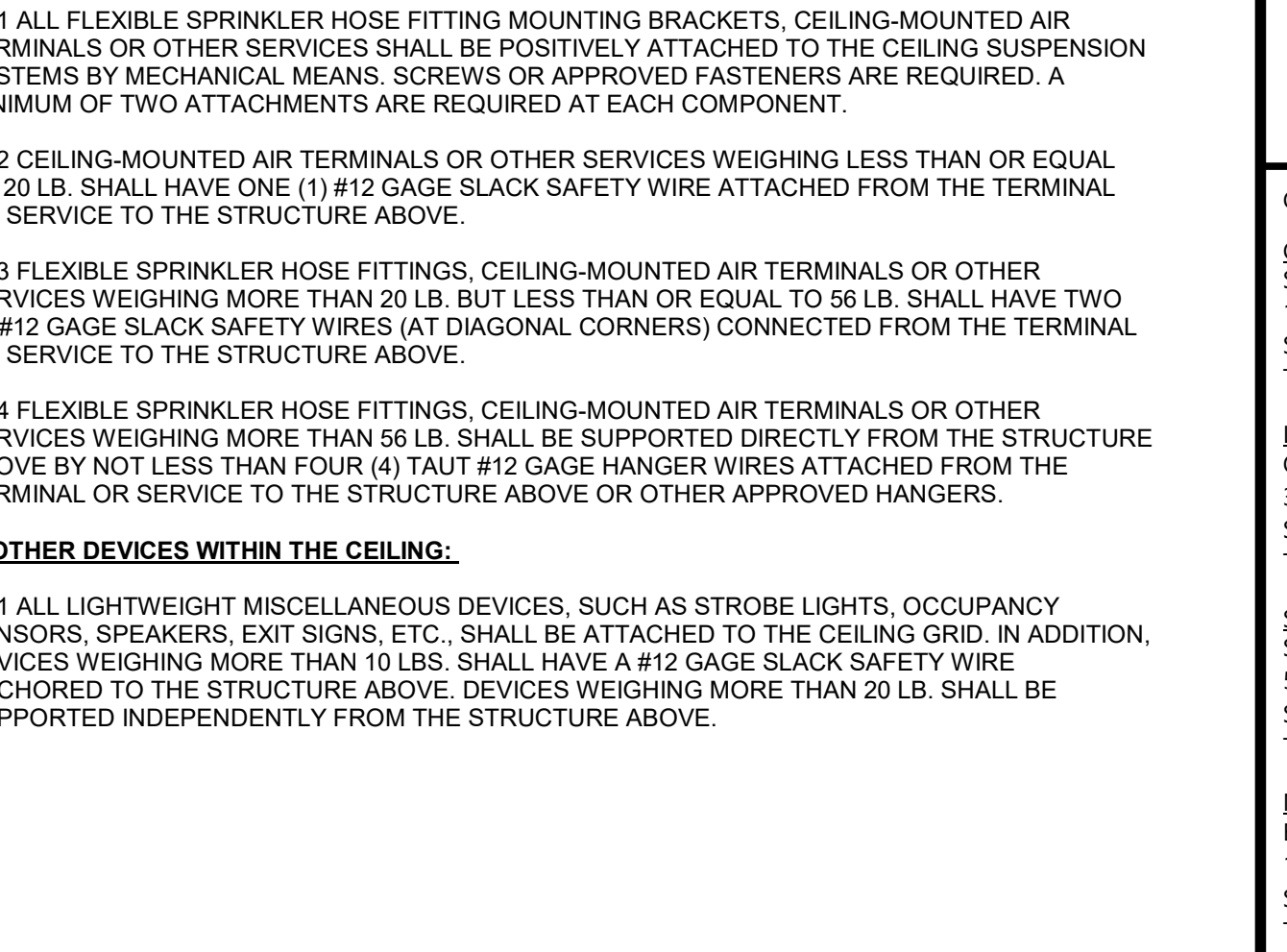
**RUNNER SPLICE** N.T.S. 9



**CHANNEL STRUT AT METAL DECK** N.T.S. 20



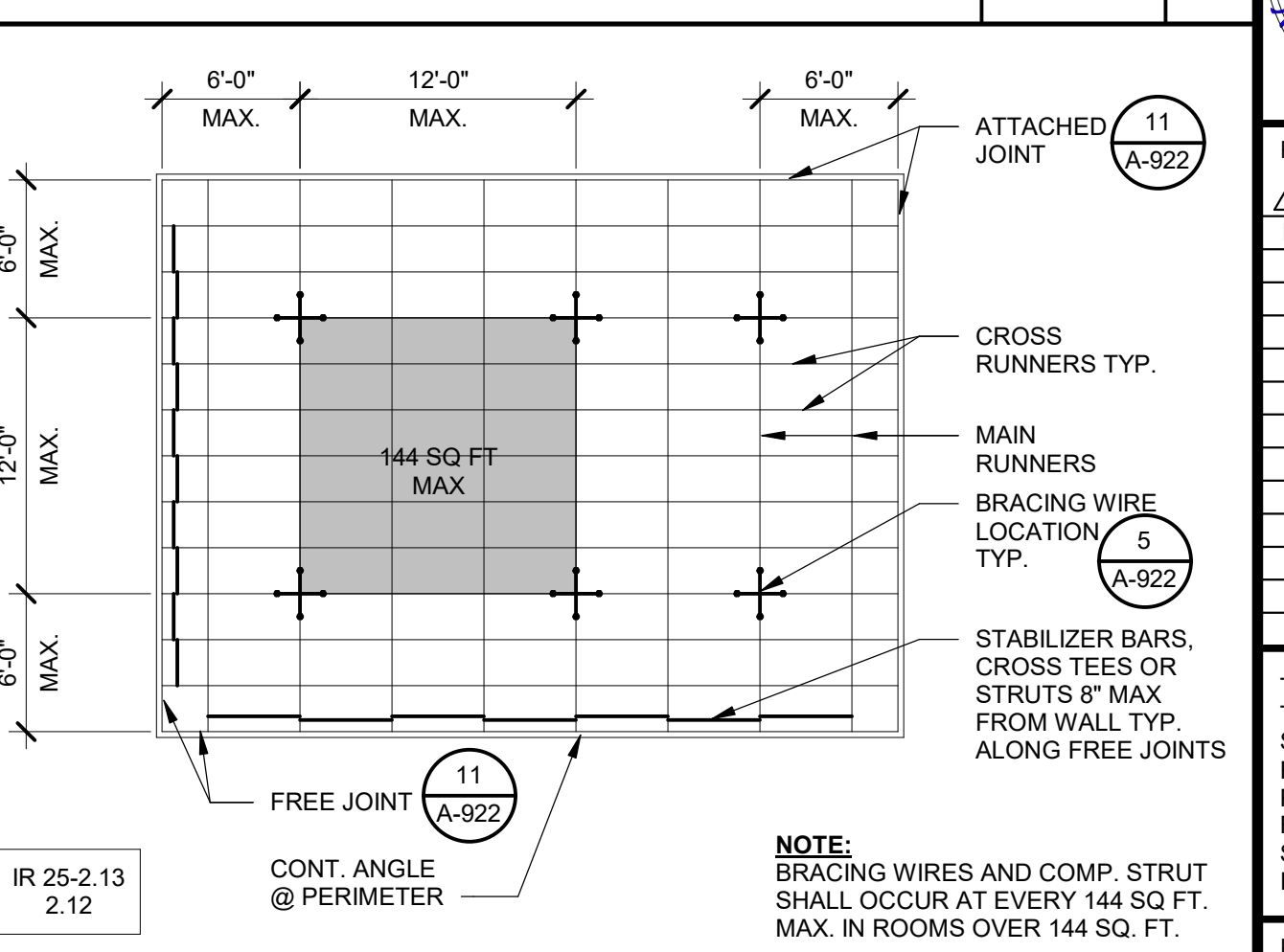
**CEILING PERIMETER** N.T.S. 11



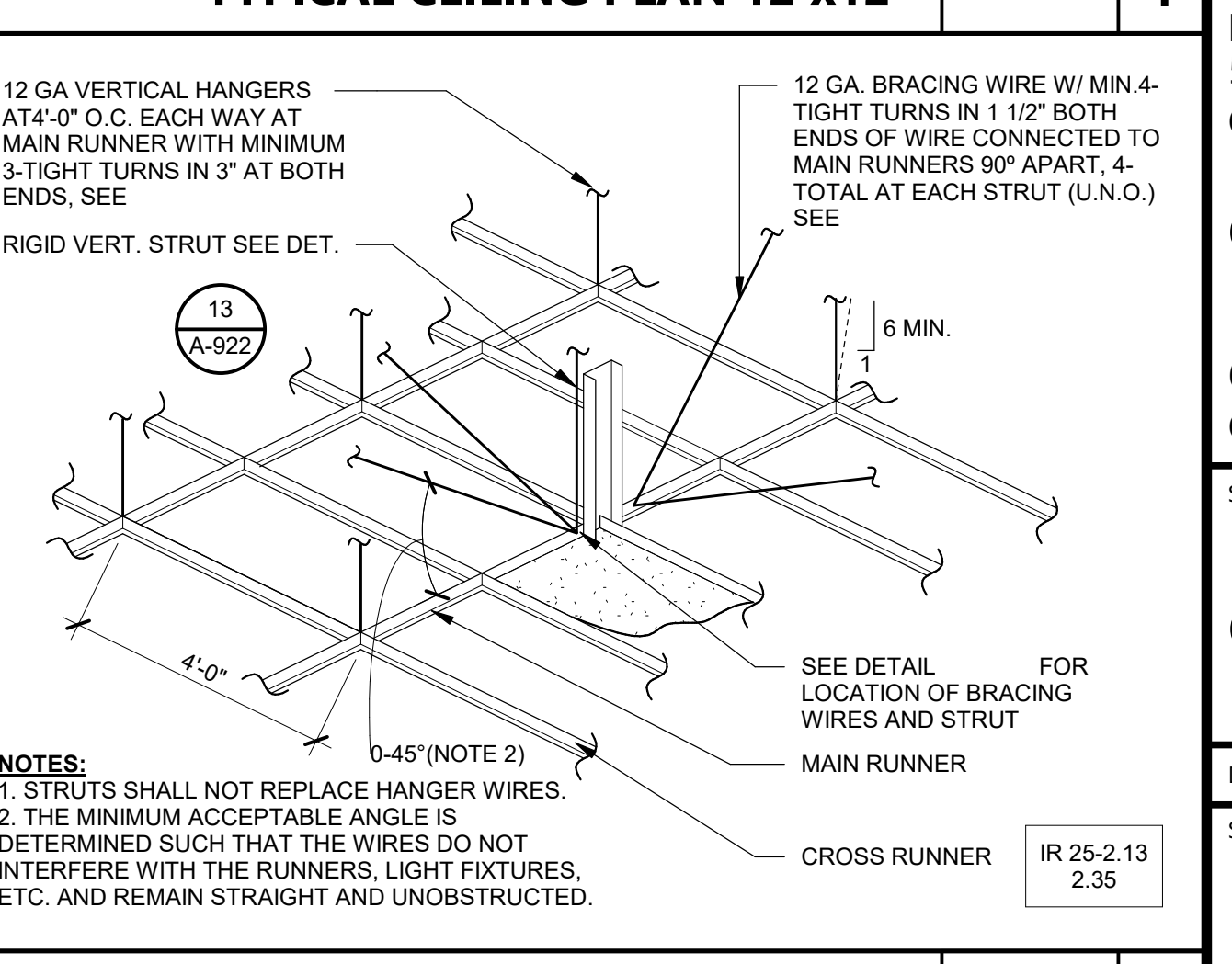
**CHANNEL TYPE STRUT** N.T.S. 13



**LIGHT FIXTURES / AIR REGISTER @ A.C.T.** N.T.S. 14



**RUNNER SPLICE** N.T.S. 9



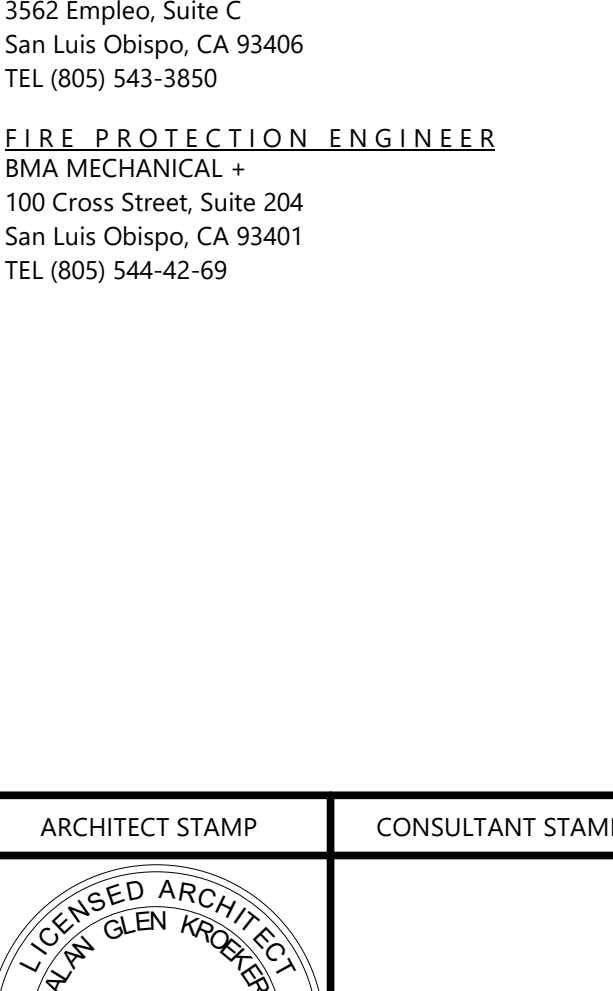
**CHANNEL STRUT AT METAL DECK** N.T.S. 20



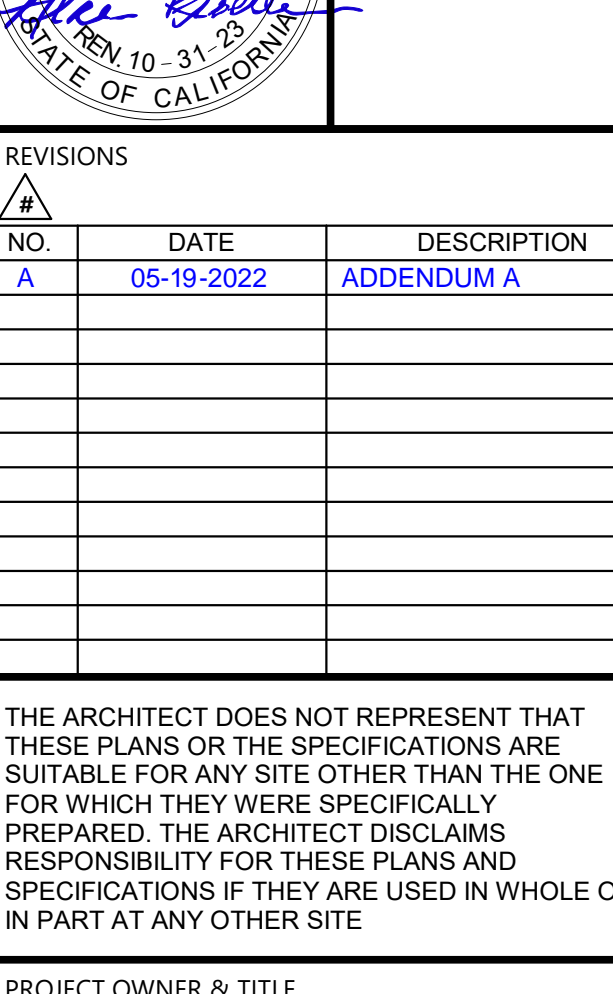
**CEILING PERIMETER** N.T.S. 11



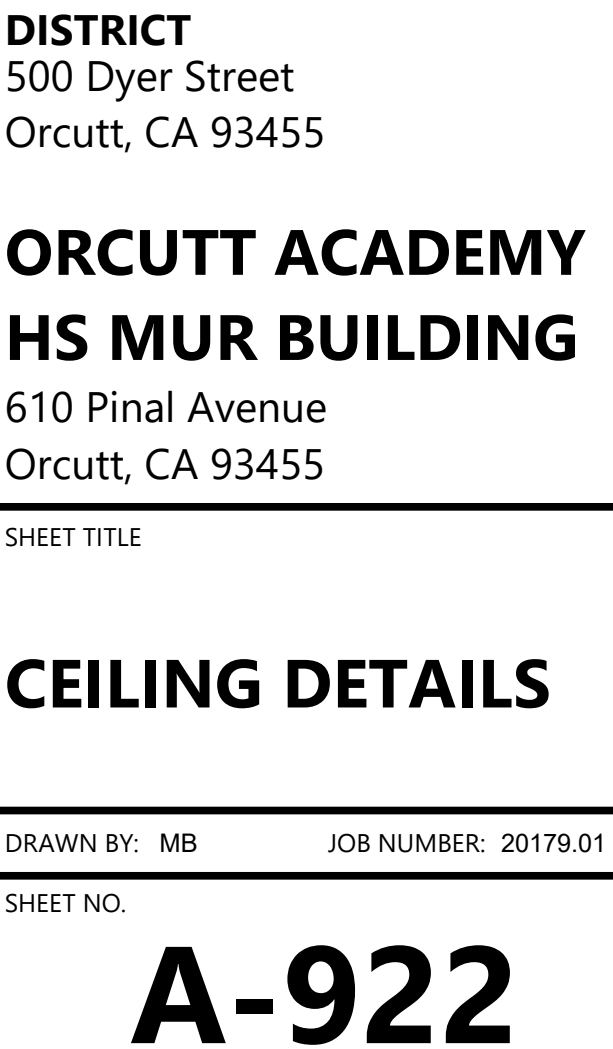
**CHANNEL TYPE STRUT** N.T.S. 13



**LIGHT FIXTURES / AIR REGISTER @ A.C.T.** N.T.S. 14



**RUNNER SPLICE** N.T.S. 9



**CHANNEL STRUT AT METAL DECK** N.T.S. 20





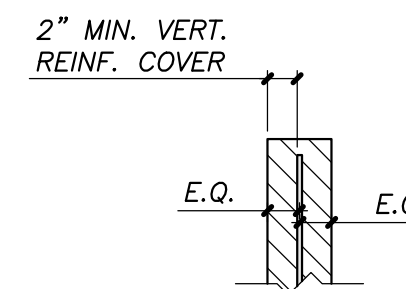


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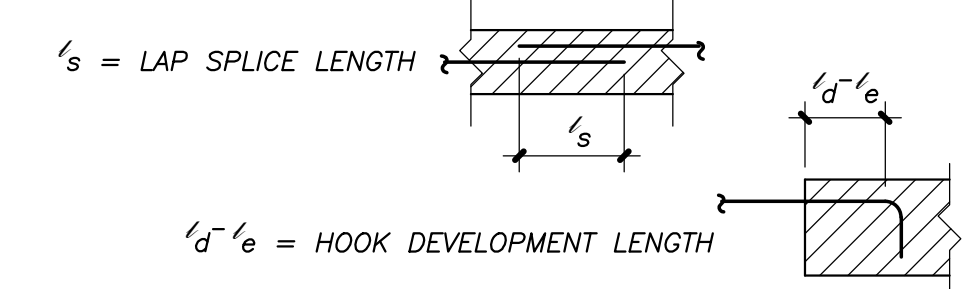
**MASONRY REINFORCING DEVELOPMENT & SPLICE LENGTHS**  
(IN INCHES w/ f'm = 2,000 psi) - PER TMS 402 / 602-16

| BAR SIZE      |               | #3  | #4  | #5 | #6  | #7  | #8 | #9  |
|---------------|---------------|-----|-----|----|-----|-----|----|-----|
| $\frac{1}{4}$ | $\frac{1}{2}$ | 13  | 13  | 4  | 22  | 22  | 6  | 35  |
| $\frac{3}{8}$ | $\frac{1}{2}$ | 22  | 22  | 6  | 35  | 35  | 8  | 64  |
| $\frac{1}{2}$ | $\frac{3}{4}$ | 35  | 35  | 8  | 64  | 64  | 9  | 87  |
| $\frac{3}{4}$ | $\frac{1}{2}$ | 64  | 64  | 9  | 87  | 87  | 11 | 131 |
| $\frac{1}{2}$ | $\frac{3}{4}$ | 87  | 87  | 11 | 131 | 131 | 13 | 166 |
| $\frac{3}{4}$ | $\frac{1}{2}$ | 131 | 131 | 13 | 166 | 166 | 14 | 166 |



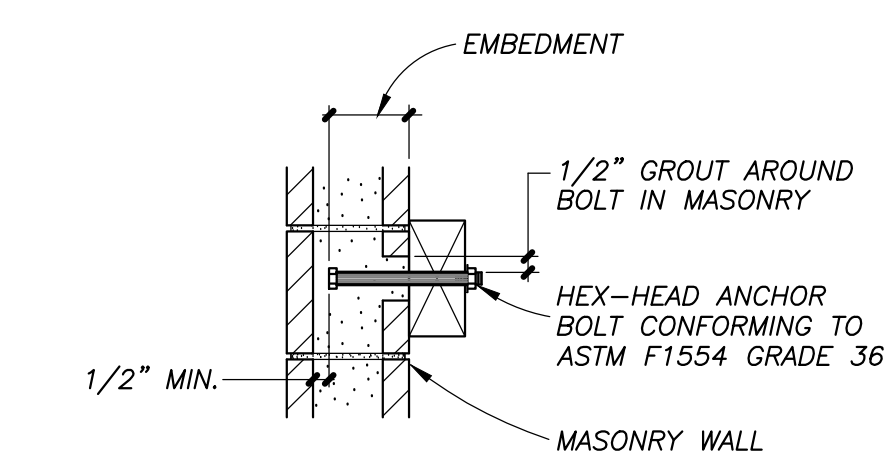
**NOTES:**

- $l_d$  = DEVELOPMENT LENGTH
- WHEN SPLICING BARS OF DIFFERENT SIZE, USE LAP SPLICE LENGTH OF LARGER BAR, U.N.O.
- STAGGER EA. SPLICES AS SHOWN



**REINFORCING DEVELOPMENT & SPLICE LENGTHS**  
NO SCALE

13



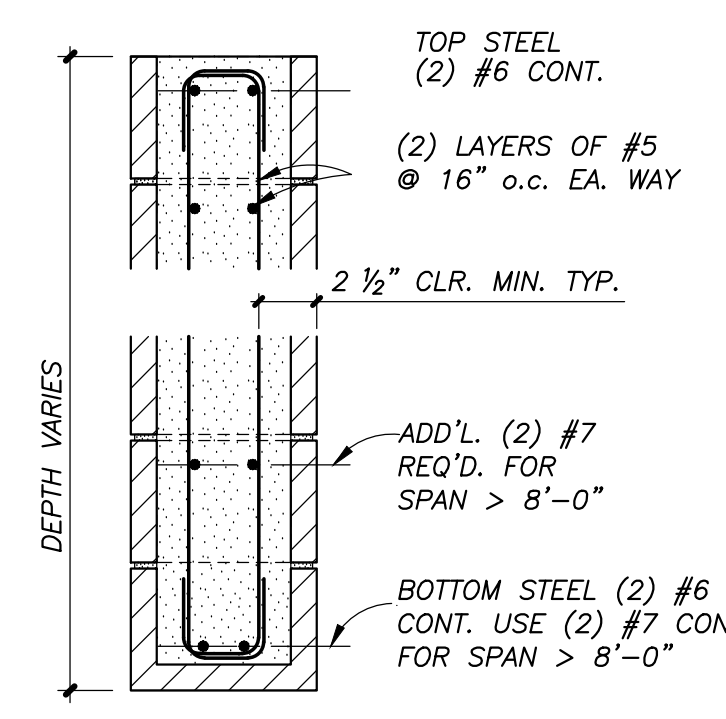
| SIZE      | EMBEDMENT |
|-----------|-----------|
| 1/2" DIA. | 4"        |
| 5/8" DIA. | 4"        |
| 3/4" DIA. | 5"        |
| 7/8" DIA. | 6"        |
| 1" DIA.   | 7"        |

FOR EMBEDMENT OF BOLTS USE SCHEDULE UNLESS NOTED OTHERWISE.

**TYPICAL BOLT EMBEDMENT**  
NO SCALE

5

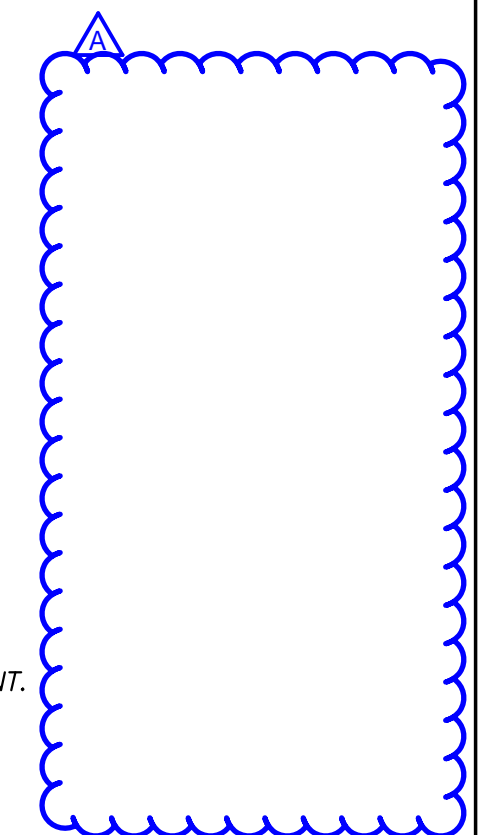
NOTE: FOR LINTELS OVER 8'-0" IN LENGTH PROVIDE ADDITIONAL VERTS @ 8" O.C. FIRST FOUR CELLS FROM ENDS OF LINTEL.



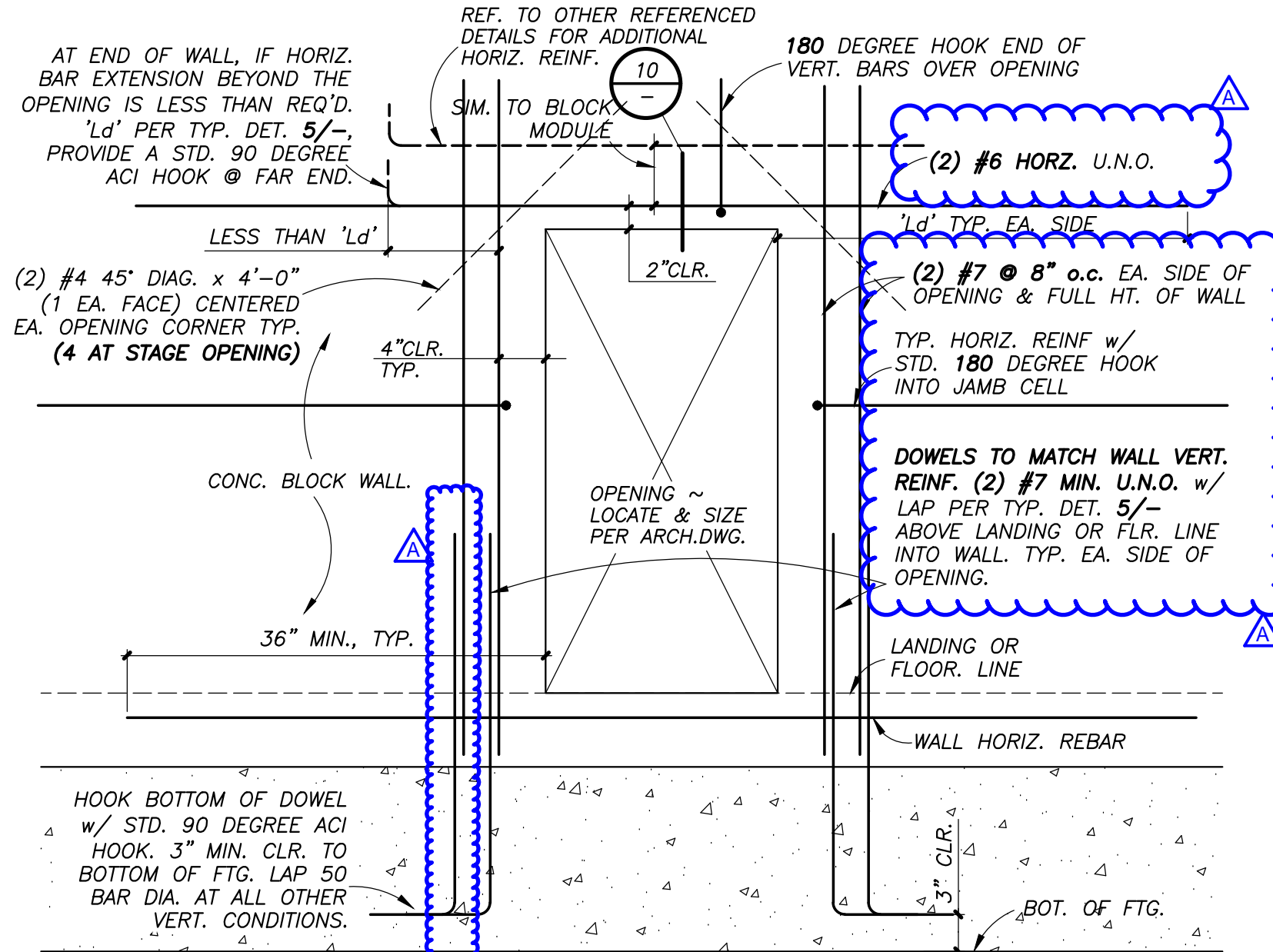
**12" LINTEL**

**TYP. CMU LINTELS**  
NO SCALE

14

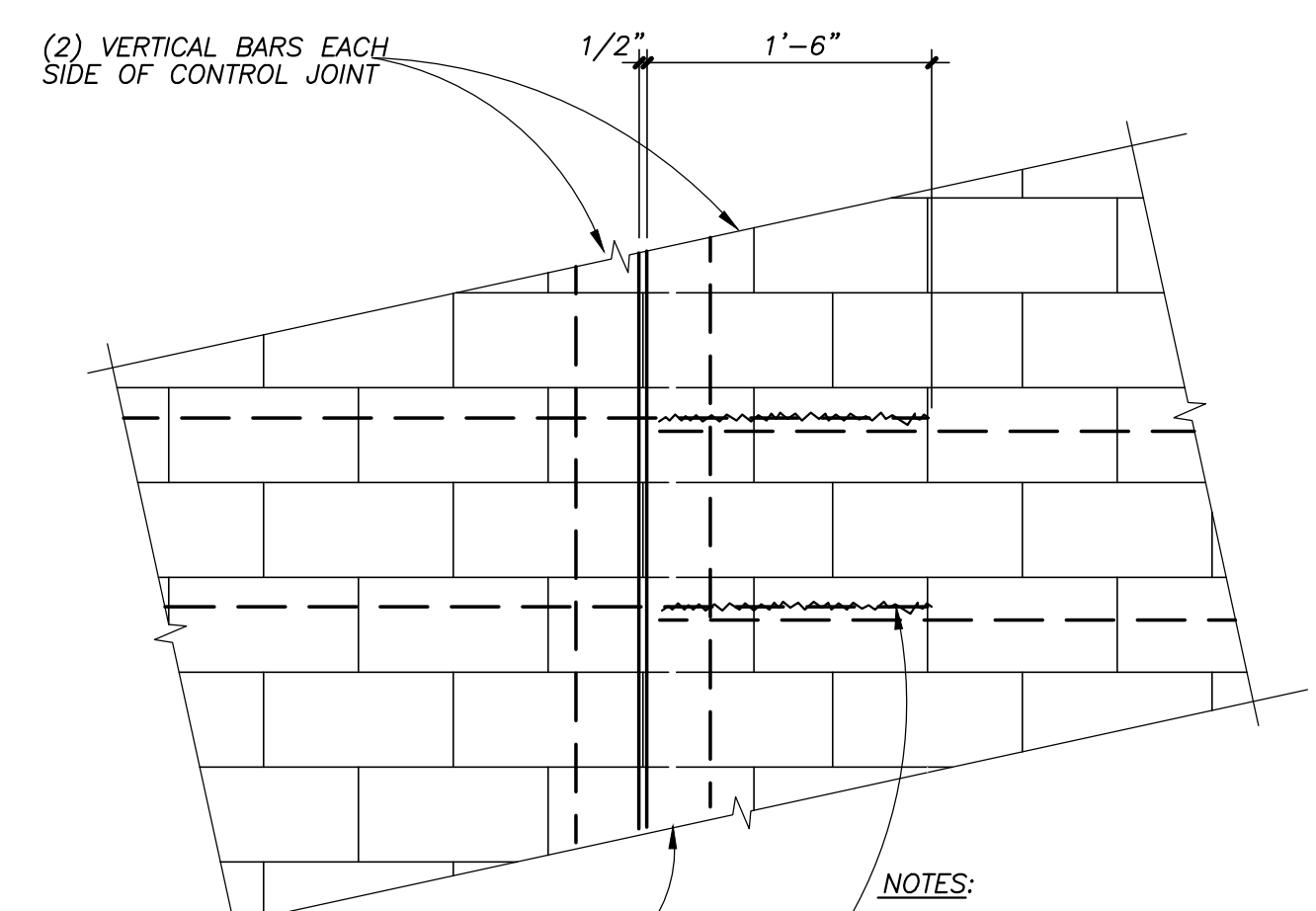


10



**TYPICAL DOOR OPENING IN CONCRETE BLOCK WALL**  
Scale: N.T.S.

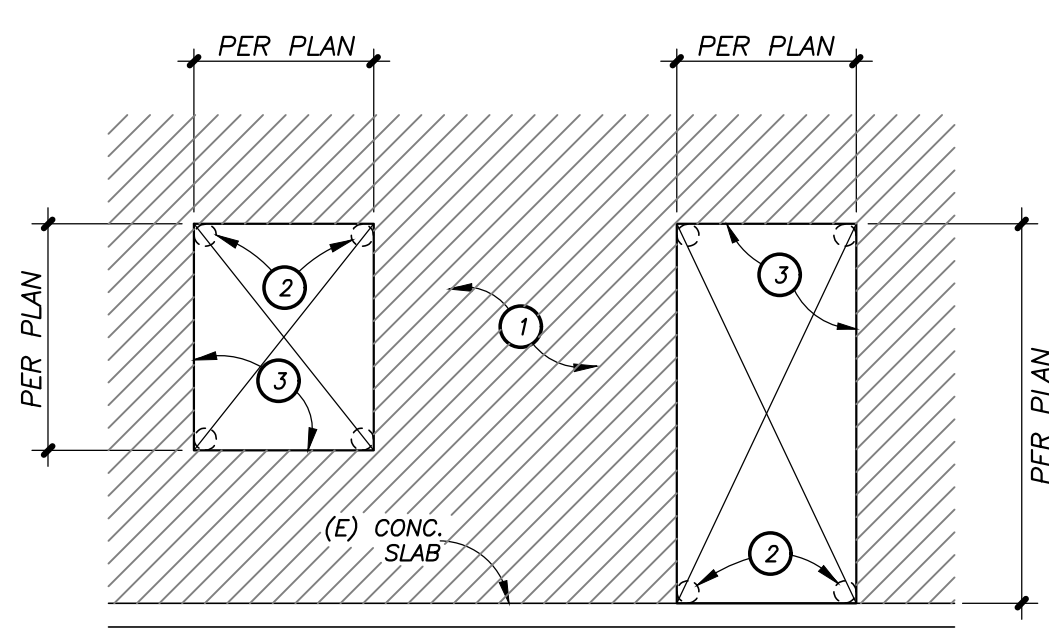
6



**MASONRY CRACK CONTROL JOINT**  
Scale: N.T.S.

2

- EXISTING CMU/BRICK WALL TO REMAIN.
- CORE NEW \* \* HOLES ON INSIDE CORNER LOCATIONS FOR NEW OPENINGS BEFORE COMMENCING W/ SAW CUTTING.
- SAW CUT EDGES OF NEW OPENING. DO NOT OVER-CUT AT CORNERS. CHIP OUT SQUARE CORNERS AFTER SAW CUTTING IS COMPLETE.



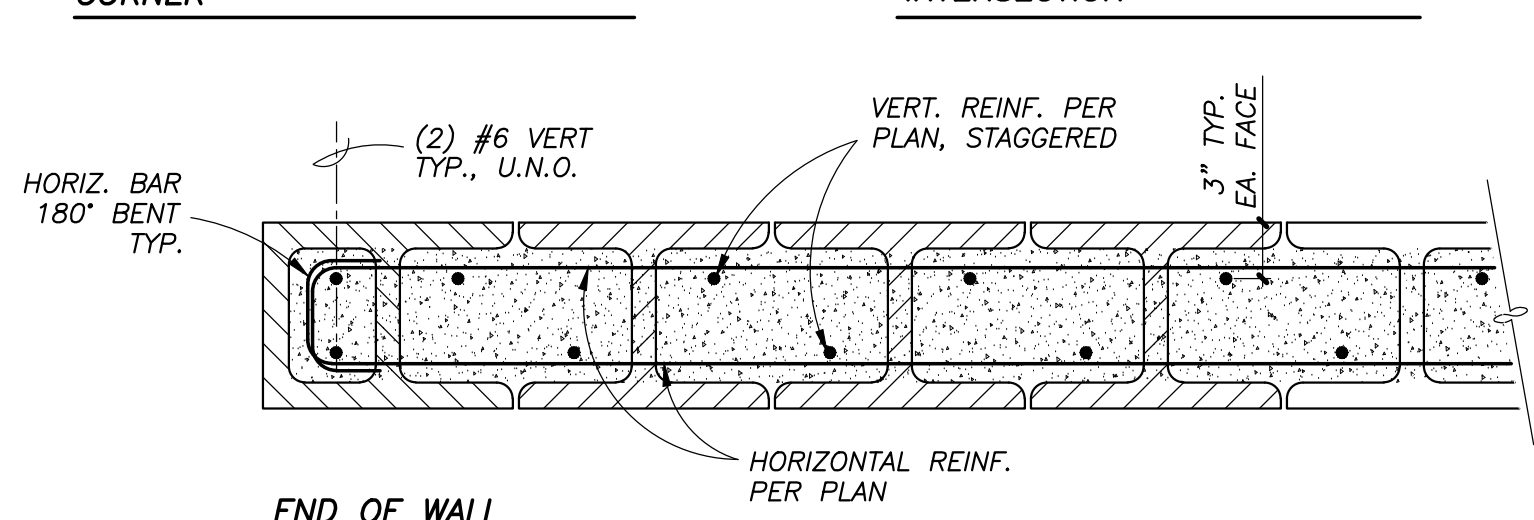
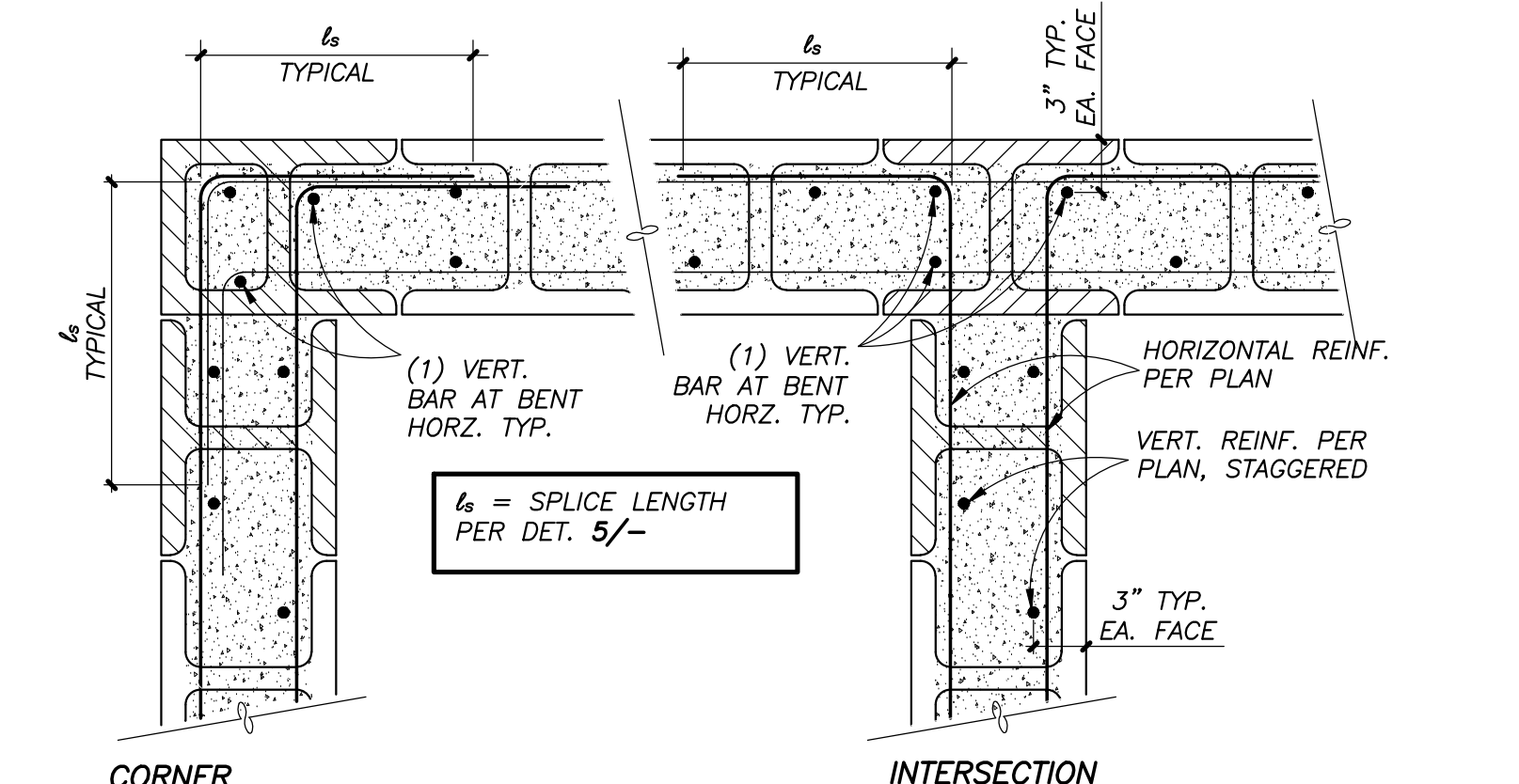
**NEW WINDOW OPENING NEW DOOR OPENING**

NOTE: DEMOLITION OPERATIONS SHALL NOT DAMAGE, CUT, NOTCH, MAR, OR DEFACE EXISTING URM WALL TO REMAIN.

**NEW OPENING IN EXISTING CMU / CONCG. WALL**  
NO SCALE

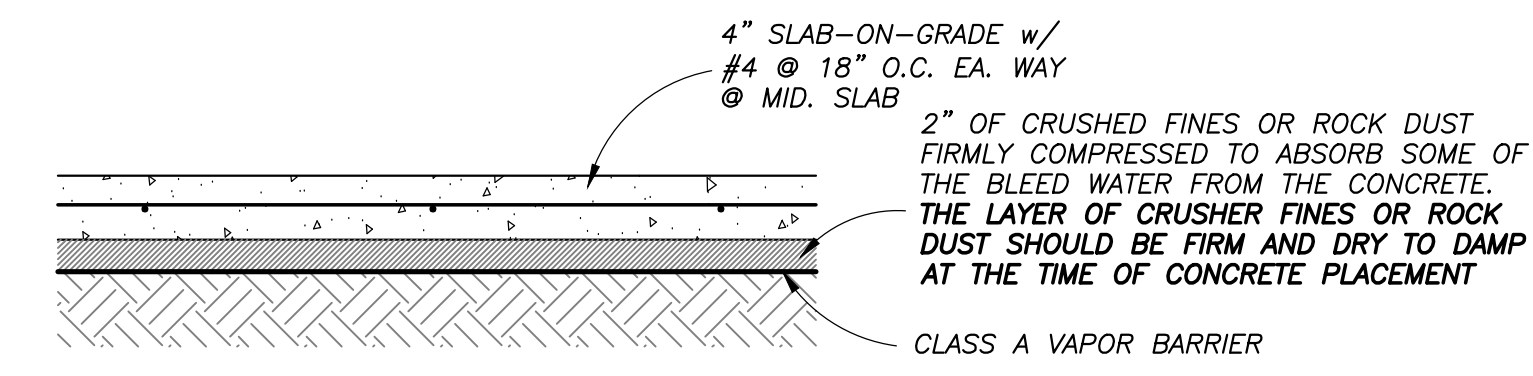
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11

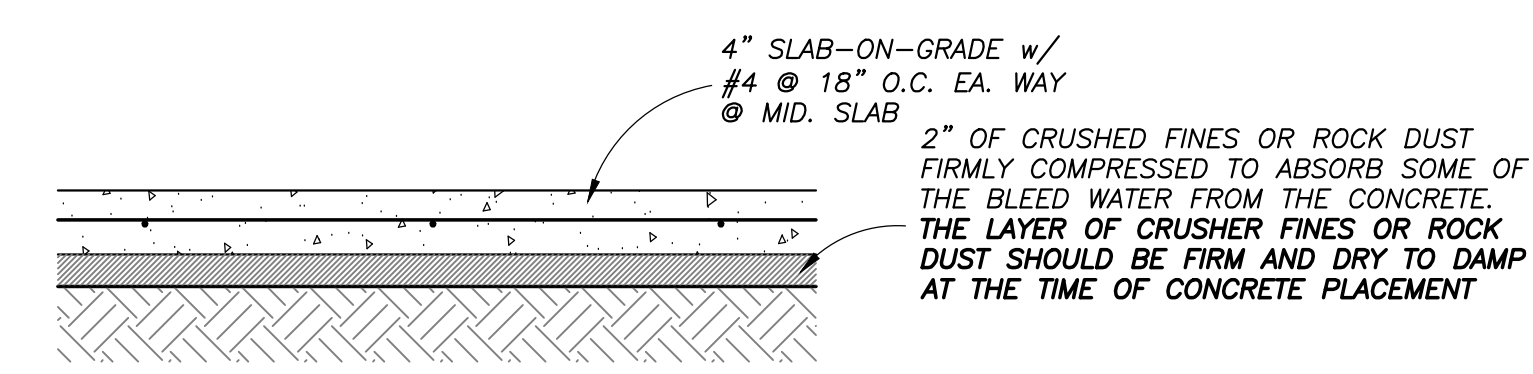


**CONC. BLOCK REINFORCING**  
NO SCALE

7

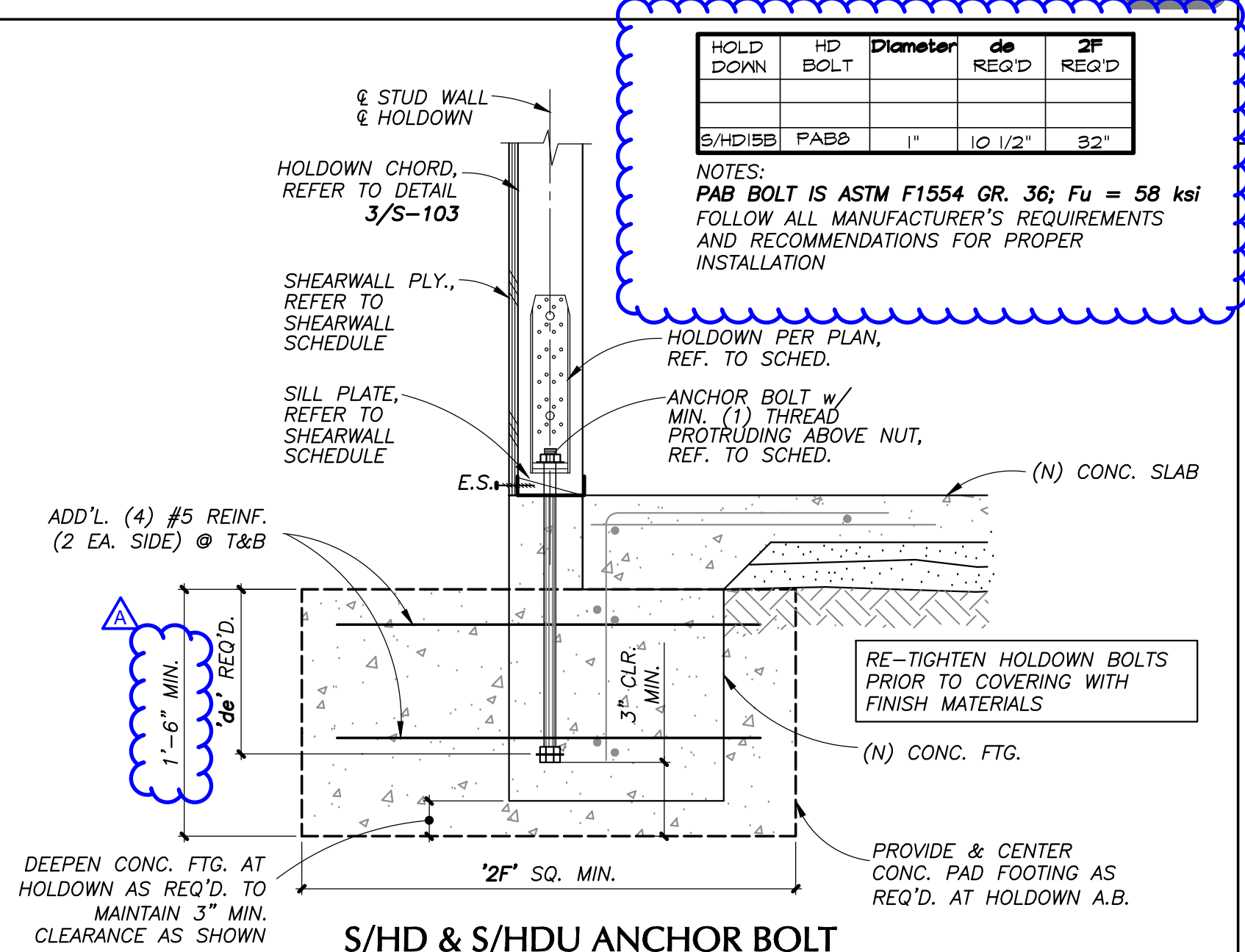


**TYPICAL INTERIOR SLAB**  
NO SCALE



**TYPICAL EXTERIOR SLAB**  
NO SCALE

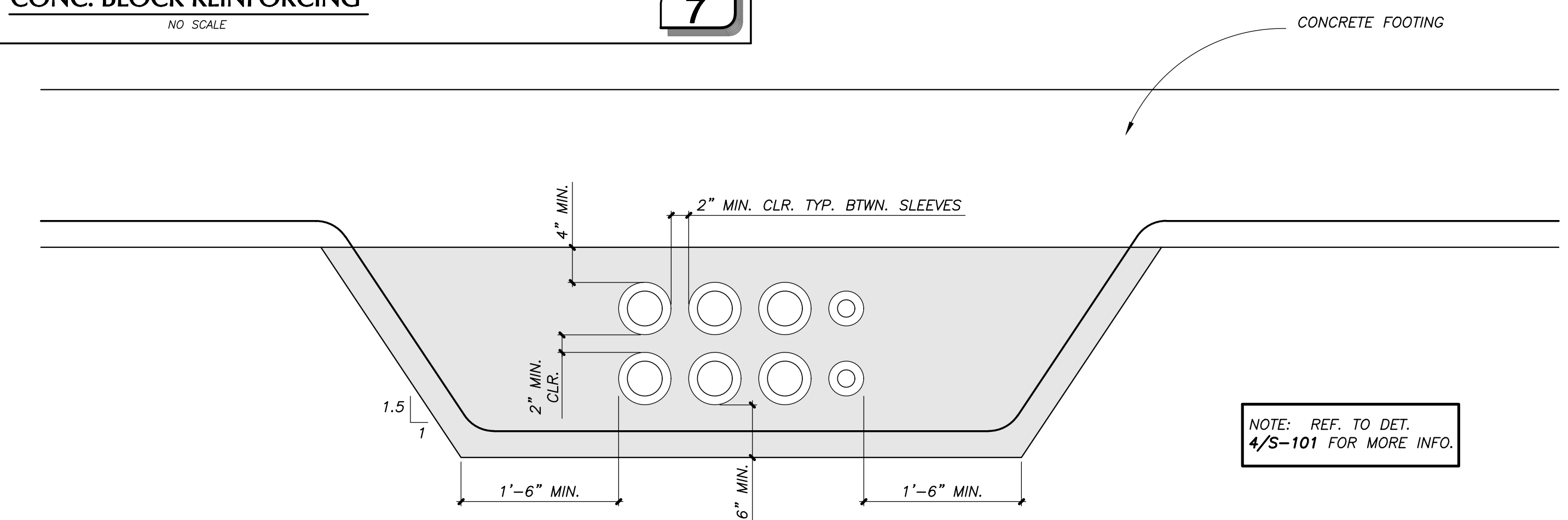
3



**S/HD & S/HDU ANCHOR BOLT**

16

12



**TYPICAL CONDUITS GROUPED & ENCASED IN CONCRETE BELOW FOOTING**  
NO SCALE

4

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Orcutt, CA 93455

SHEET TITLE  
**TYPICAL DETAILS**

DRAWN BY: VB JOB NUMBER: 21025

SHEET NO.

**S-102**

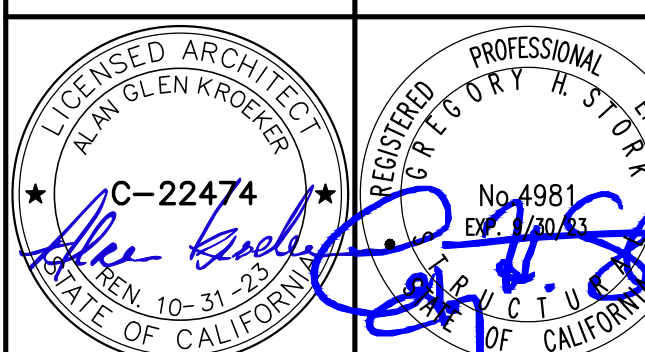
DATE: MARCH 23, 2022



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**ORCUTT ACADEMY HS MUR BUILDING**  
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Orcutt, CA 93455

SHEET TITLE

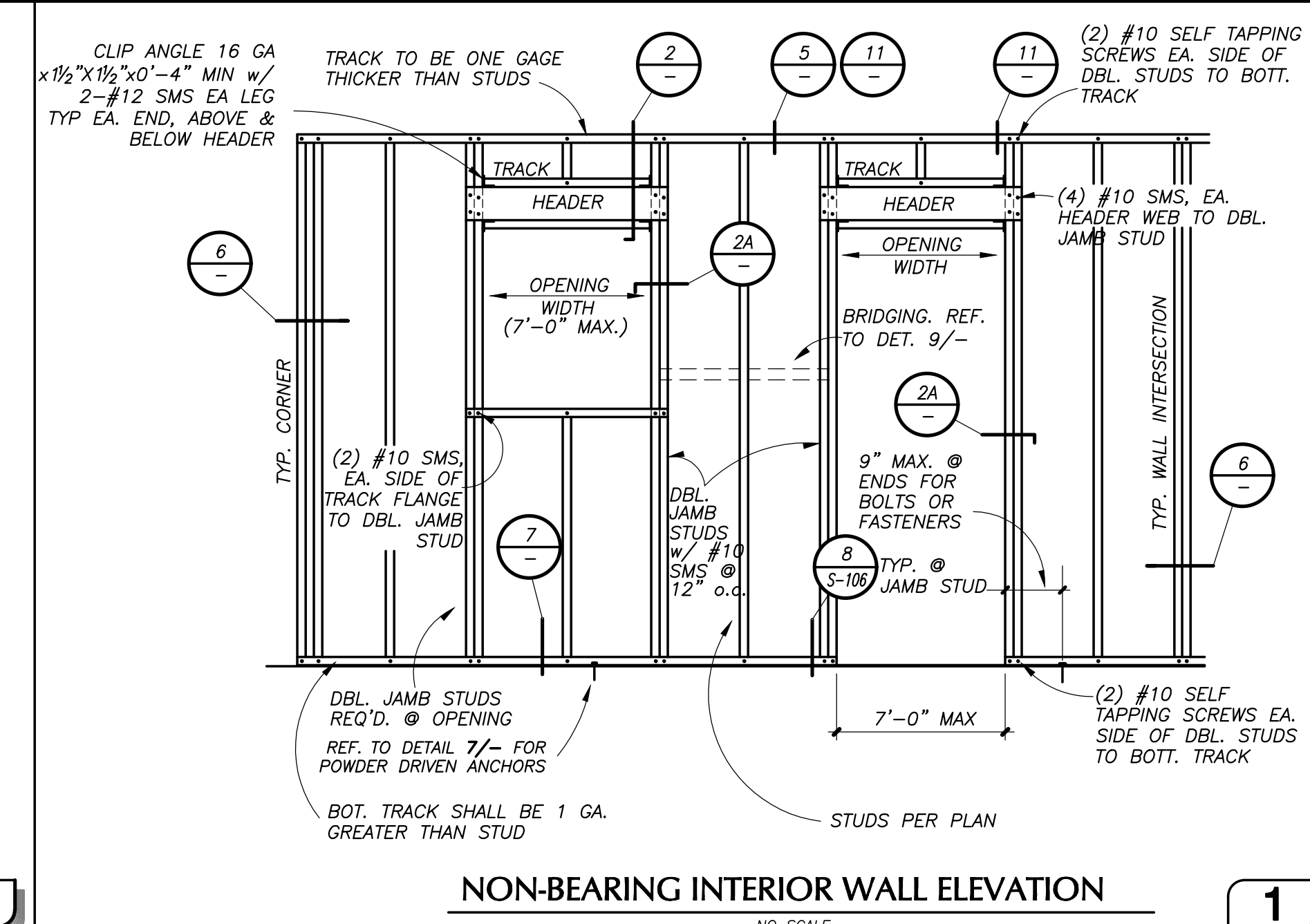
**TYPICAL DETAILS**

DRAWN BY: VB JOB NUMBER: 21025

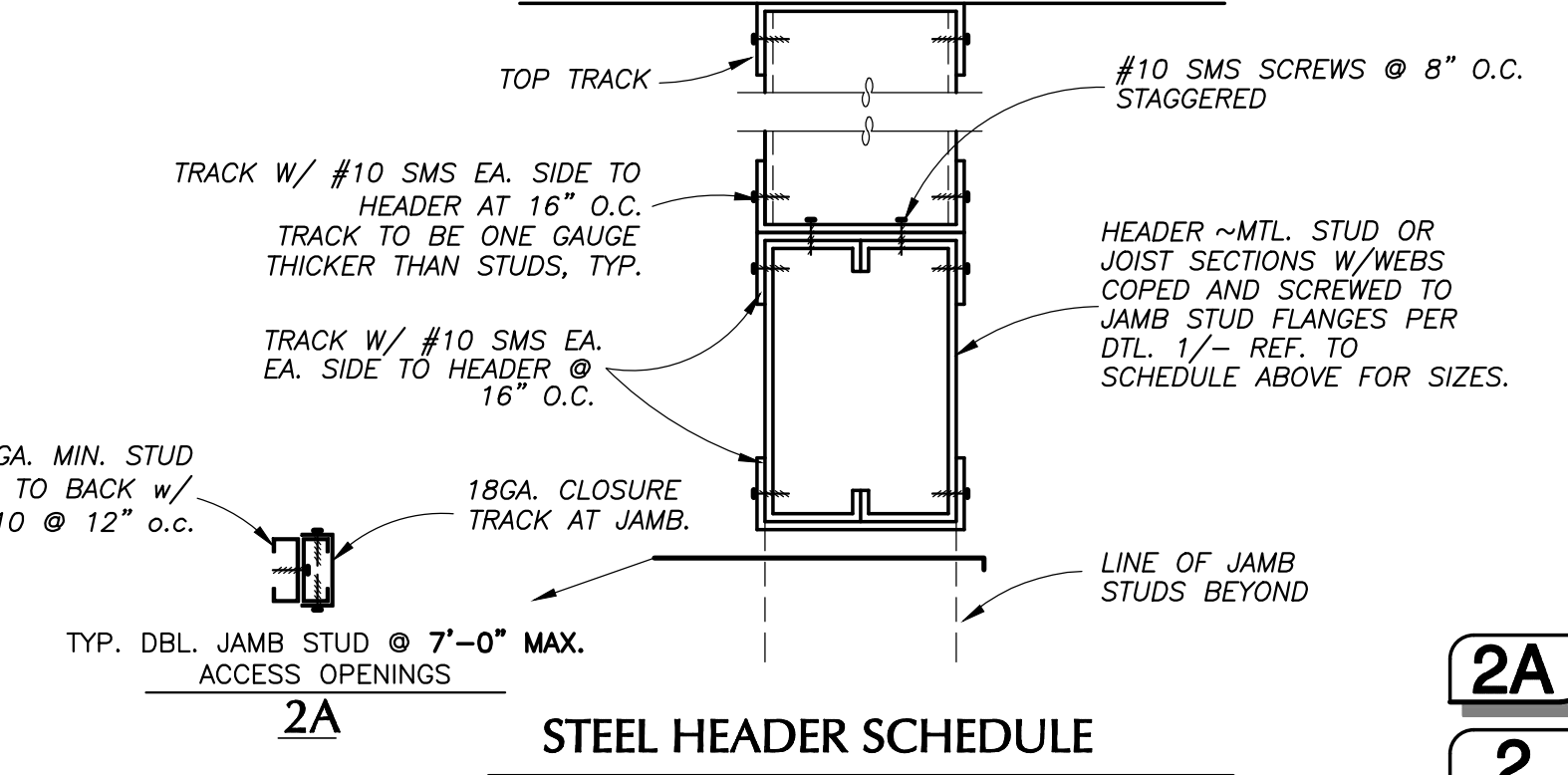
SHEET NO.

**S-103**

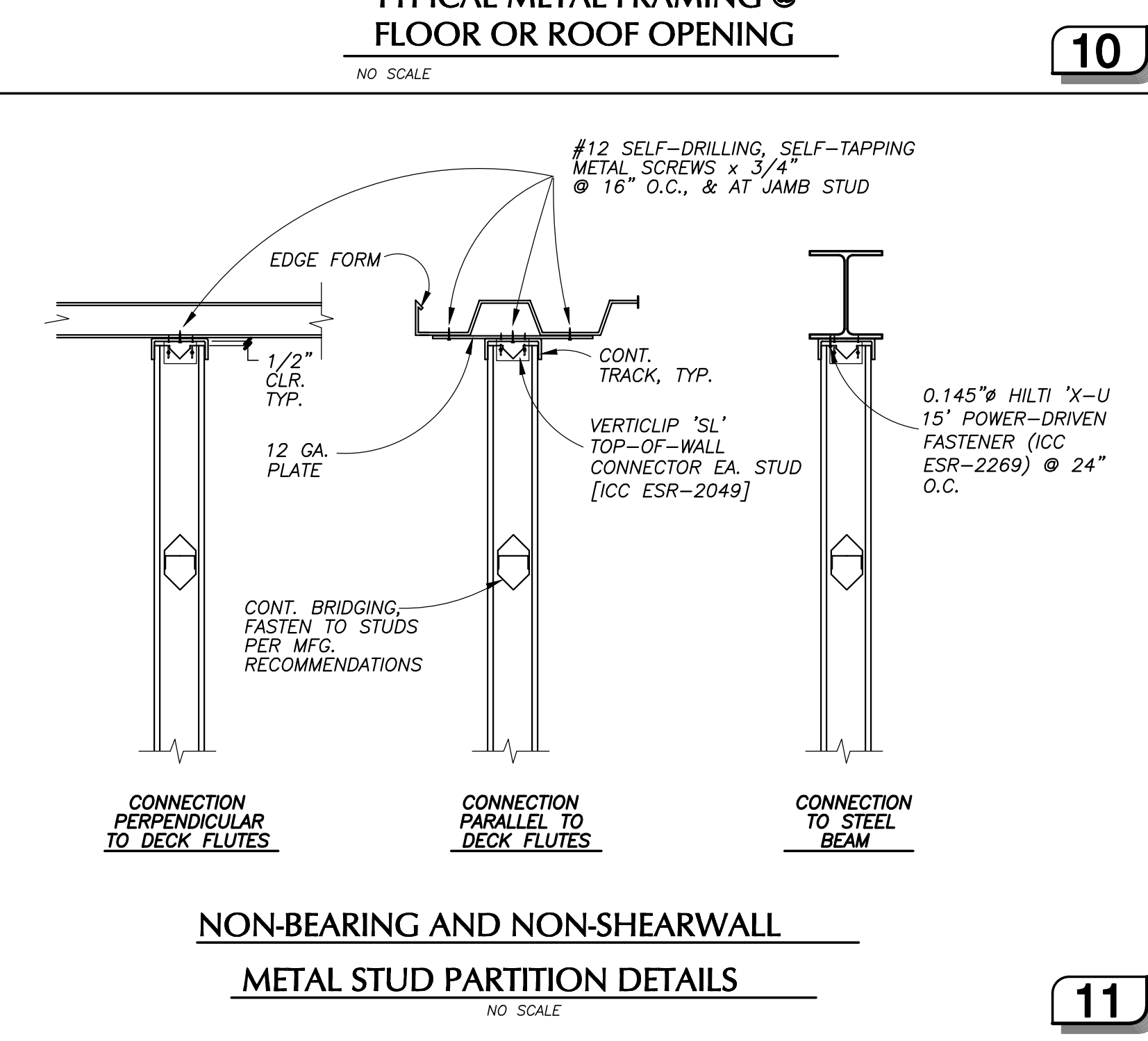
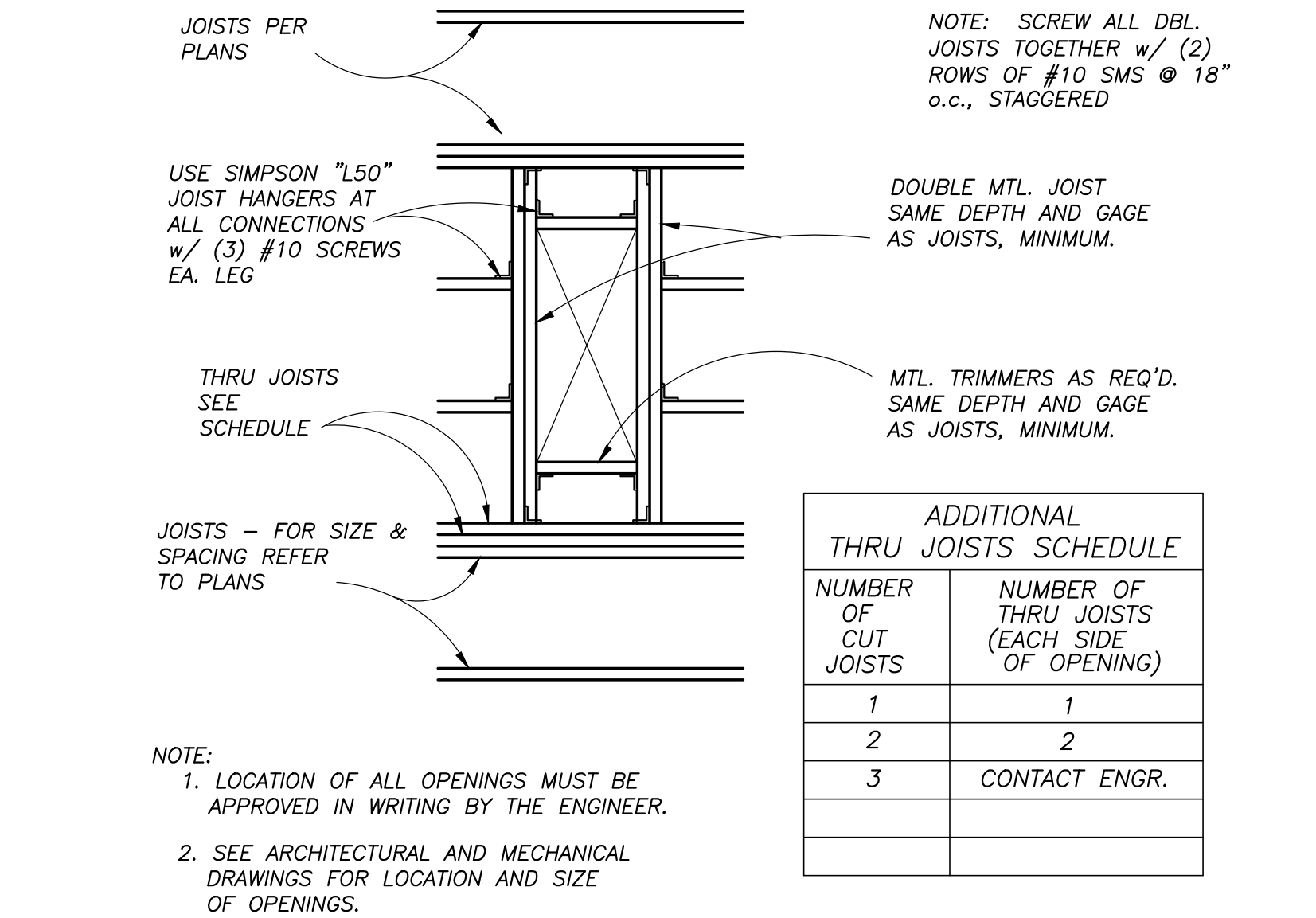
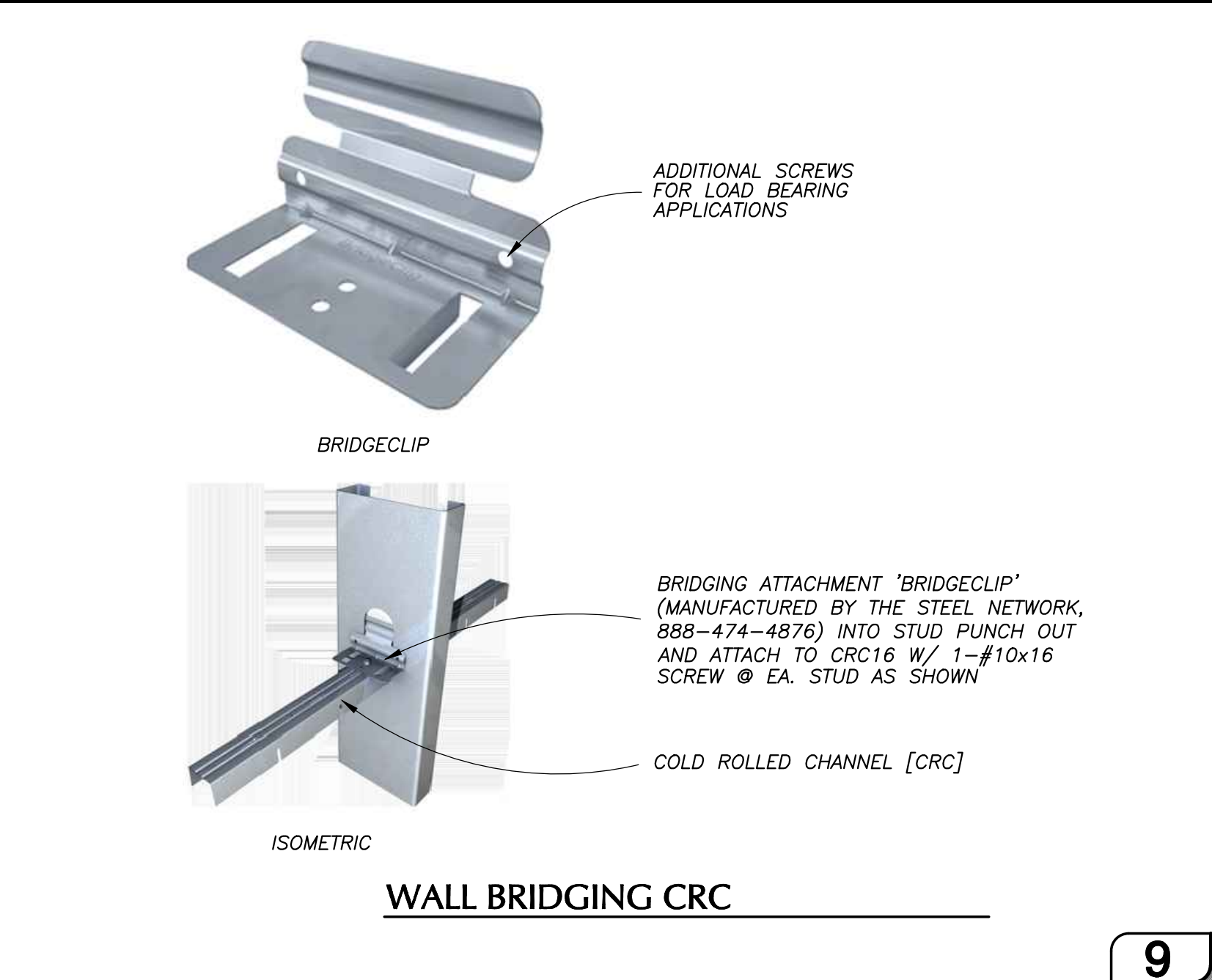
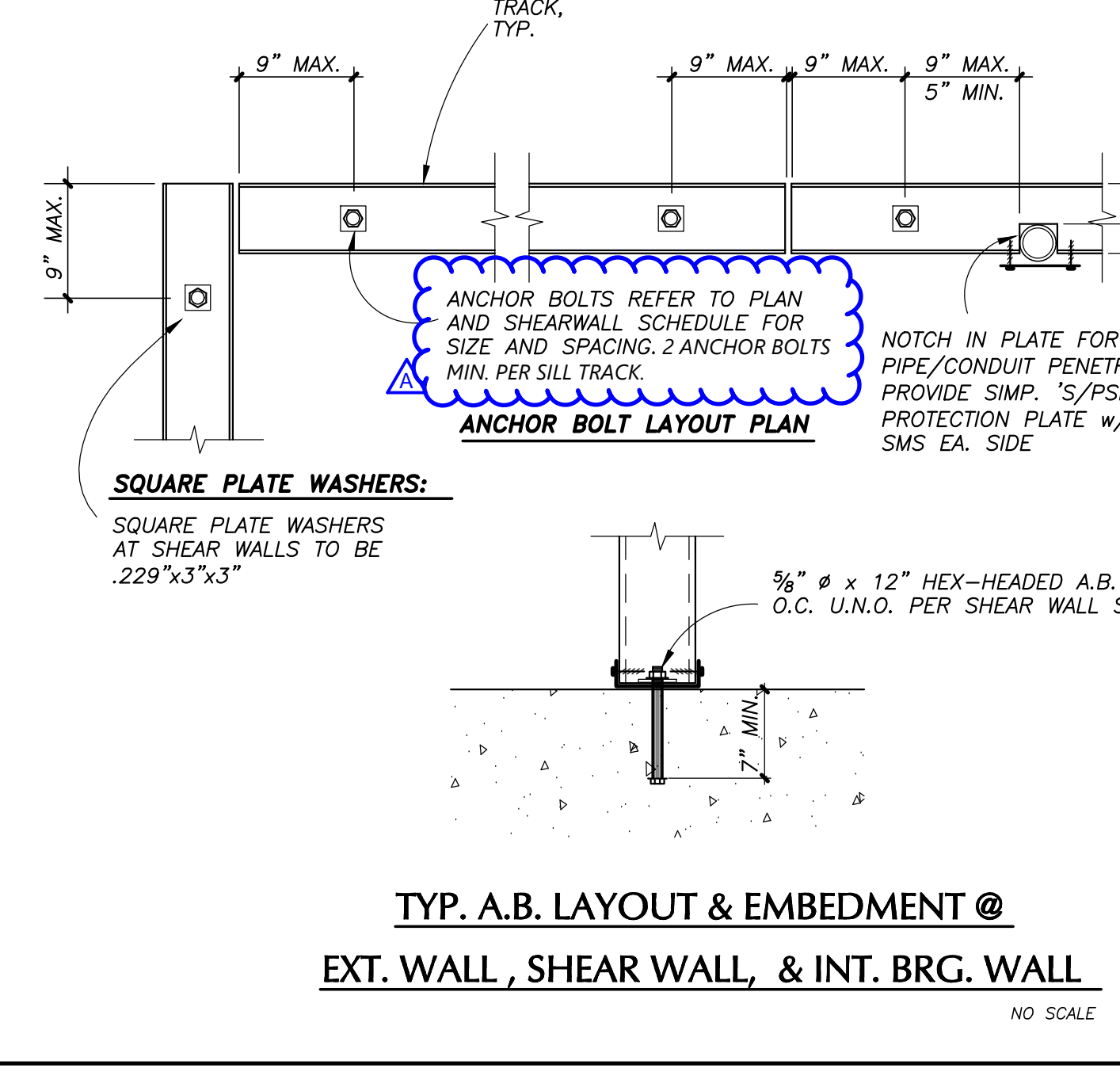
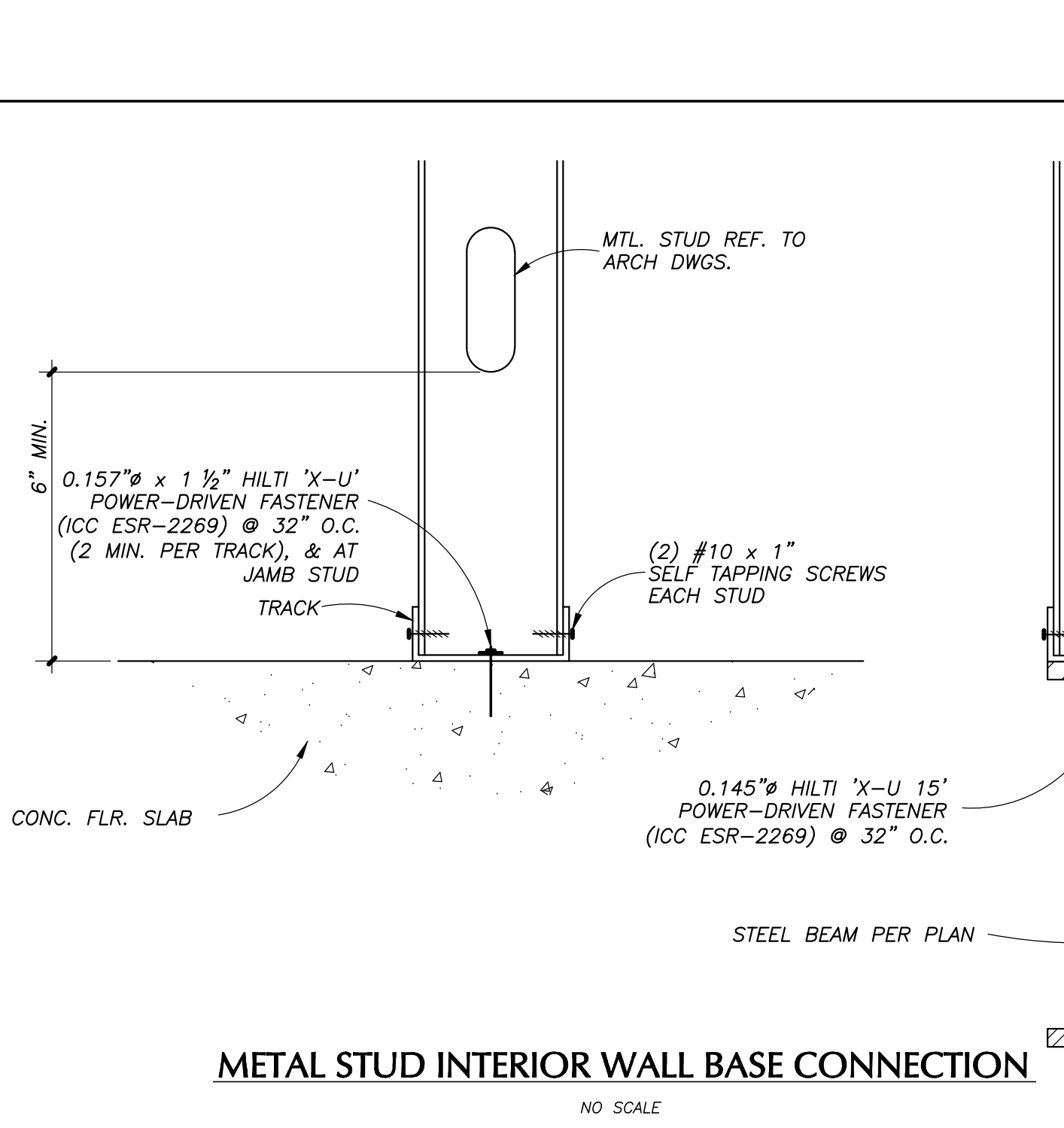
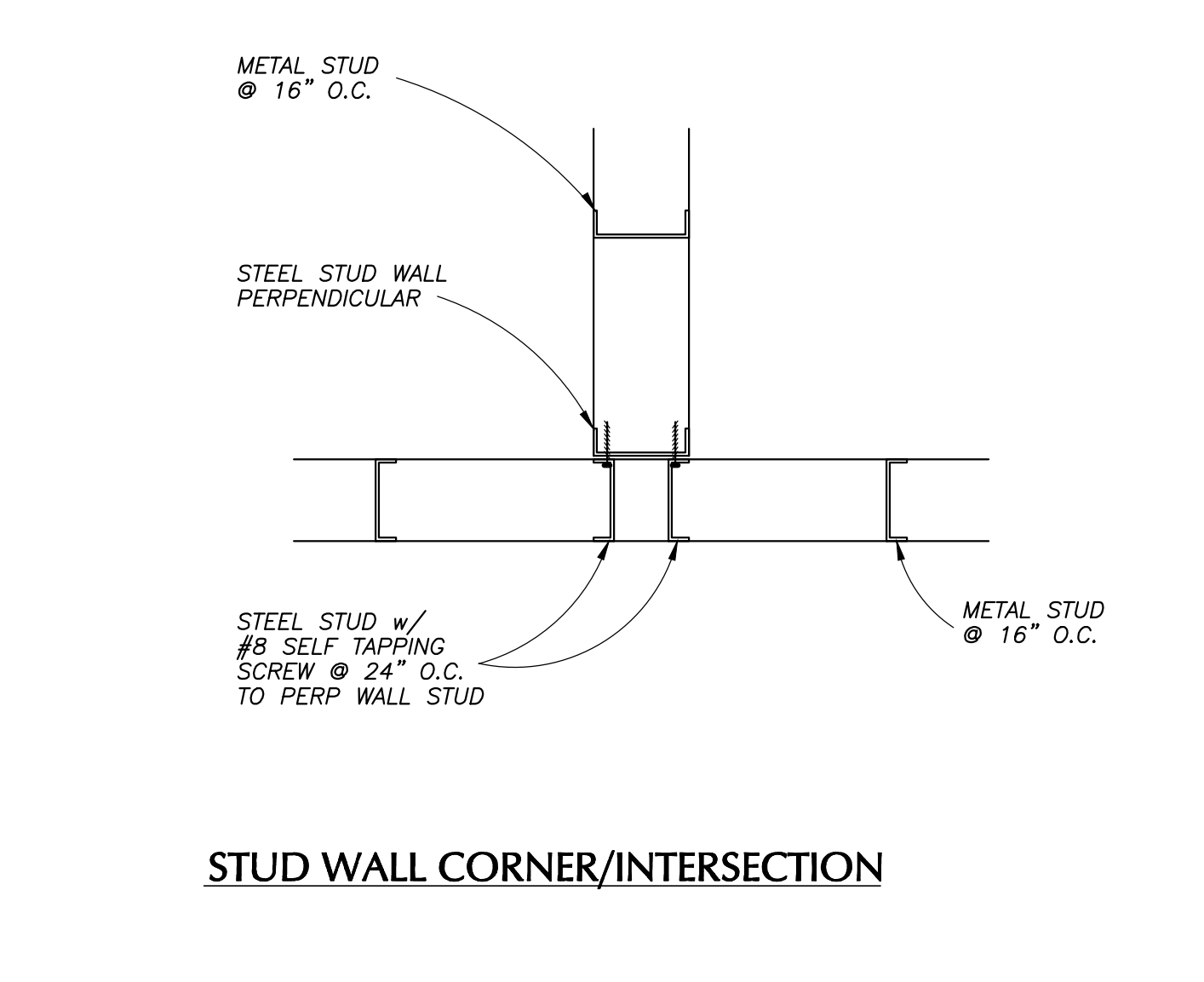
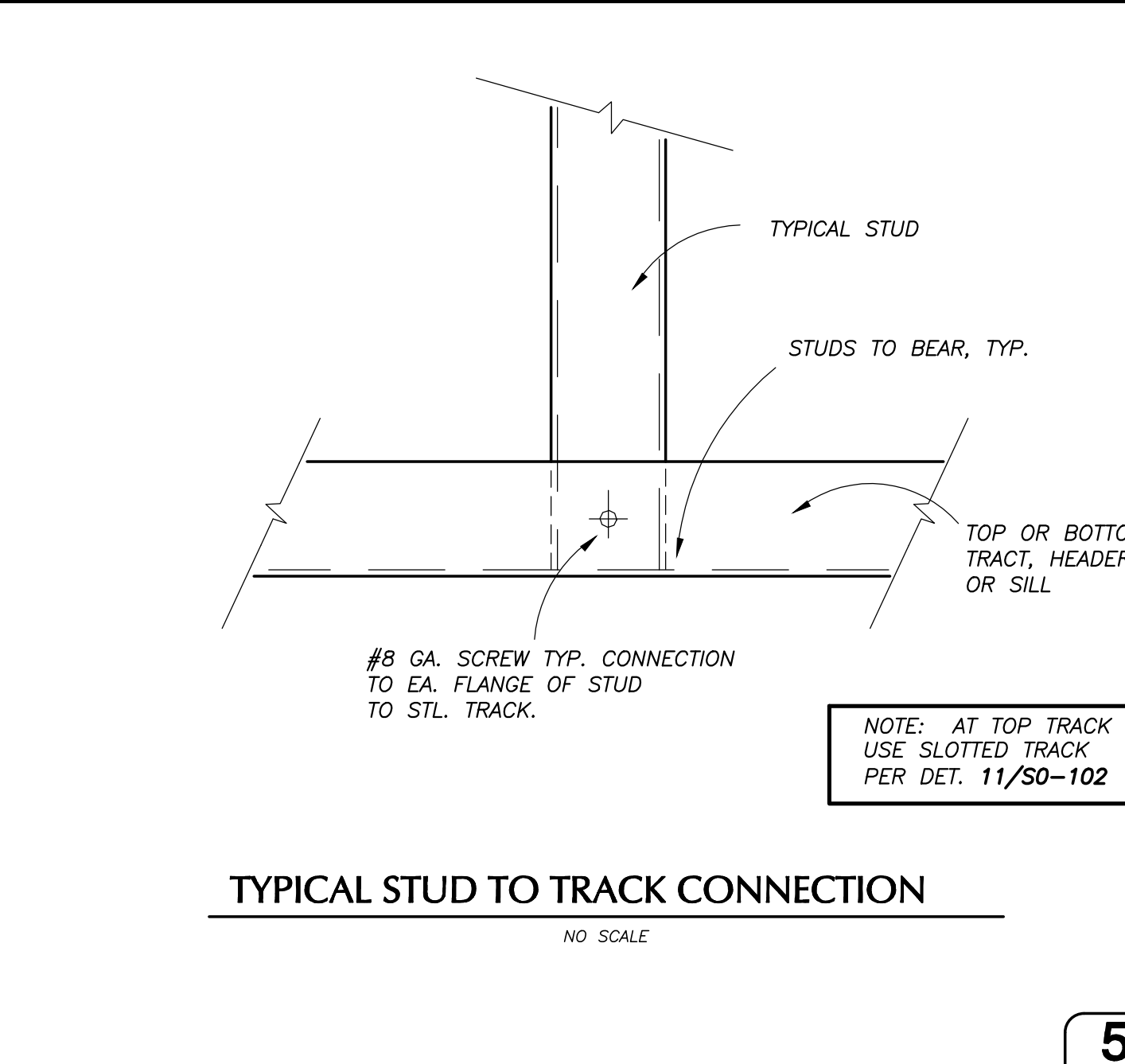
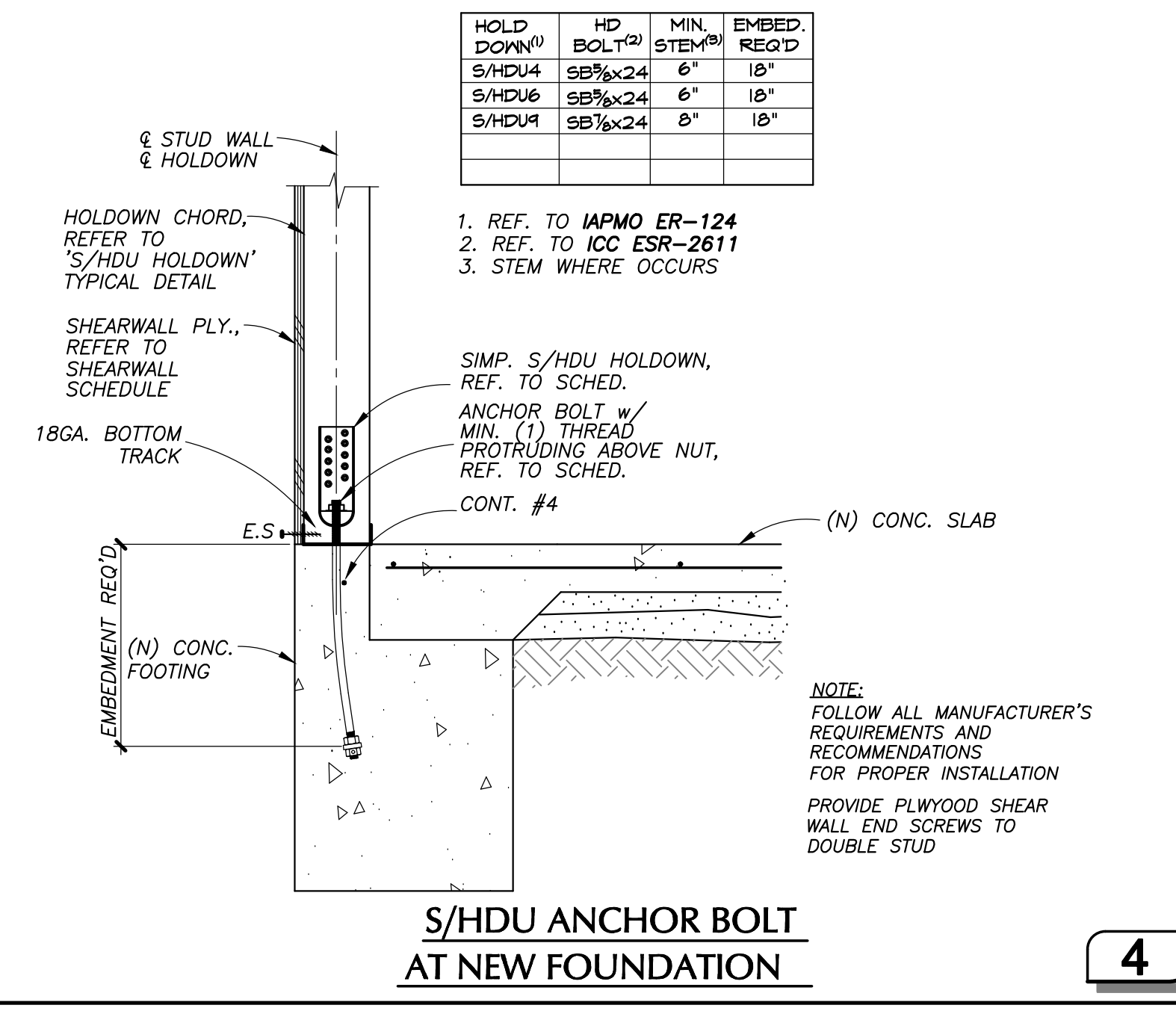
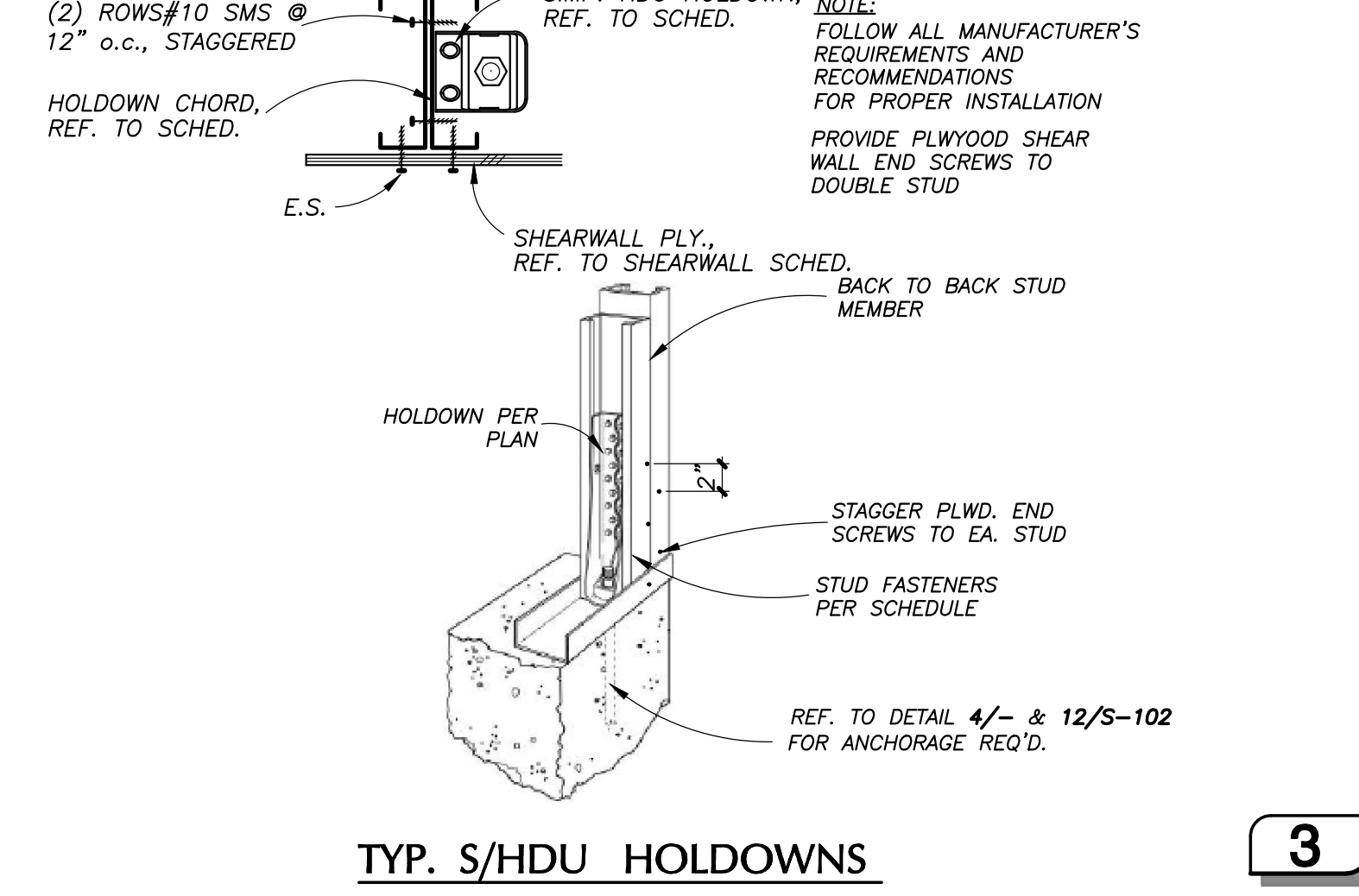
DATE: MARCH 23, 2022



| OPENING WIDTH | MIN. SIZE       | HEADER "T" TRACK SIZE  |
|---------------|-----------------|------------------------|
| ≤ 4'-0"       | (2) 400-S200-43 | 600-T200-43 TOP & BOT. |
| ≤ 7'-0"       | (2) 600-S200-43 | 600-T200-43 TOP & BOT. |

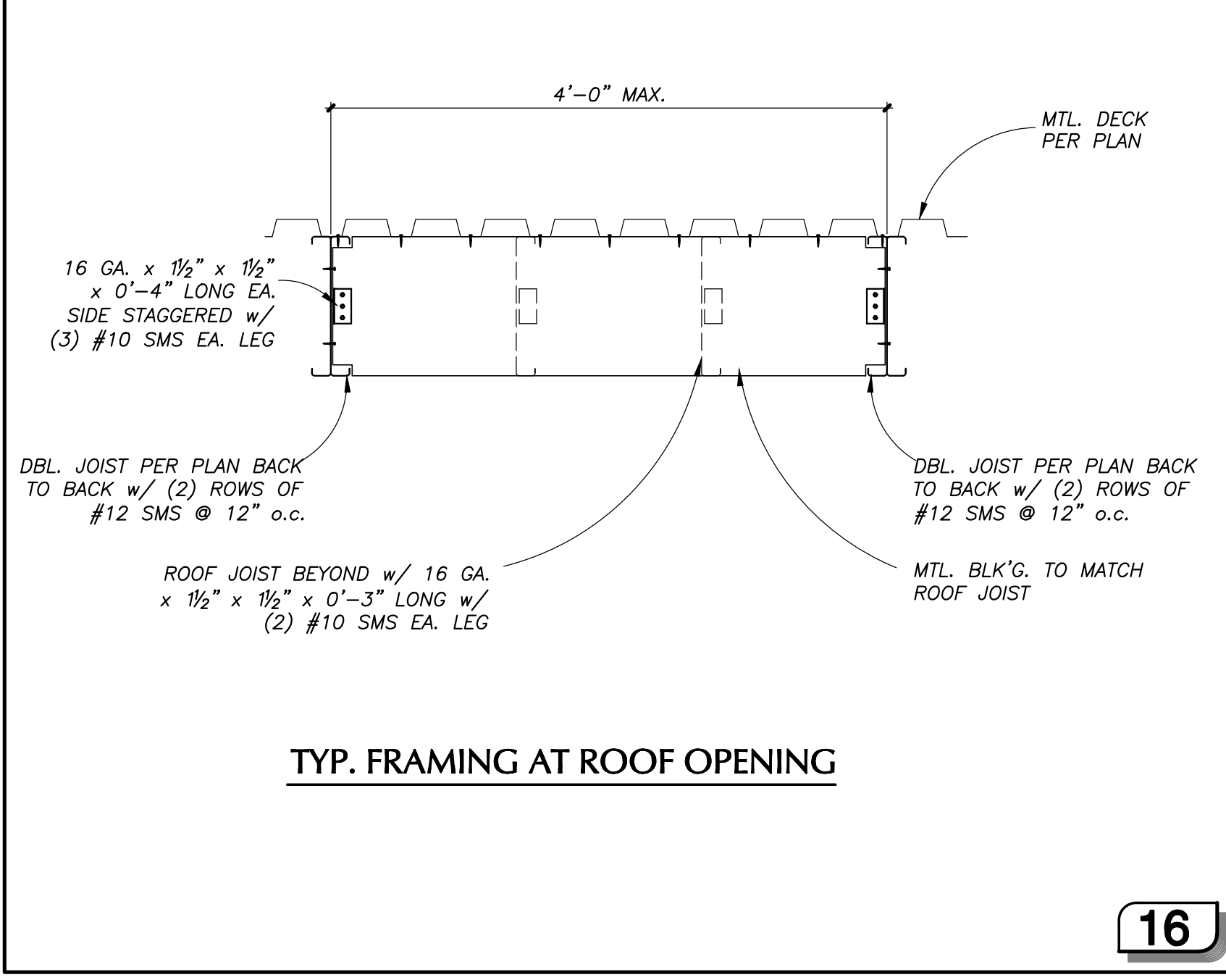
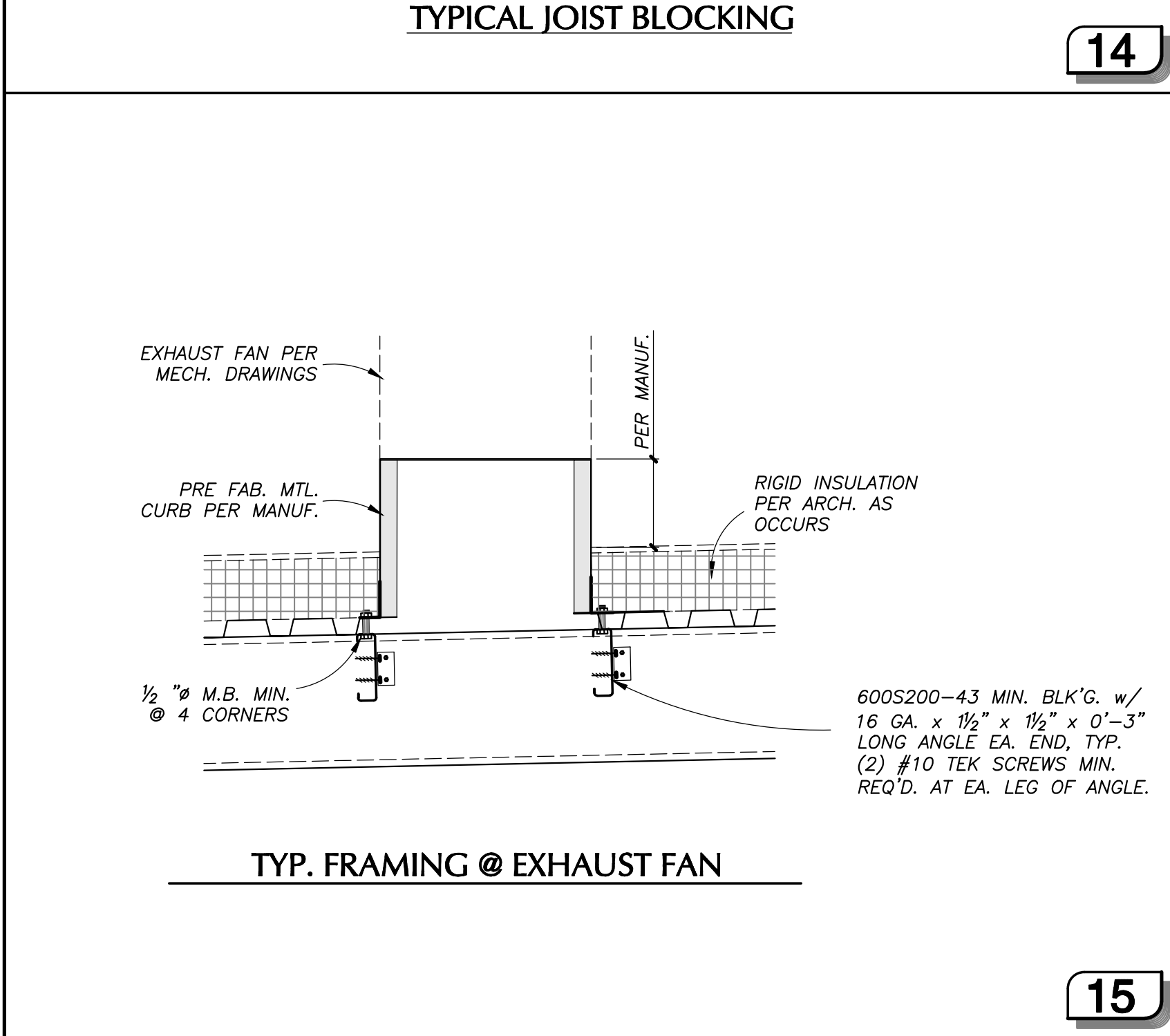
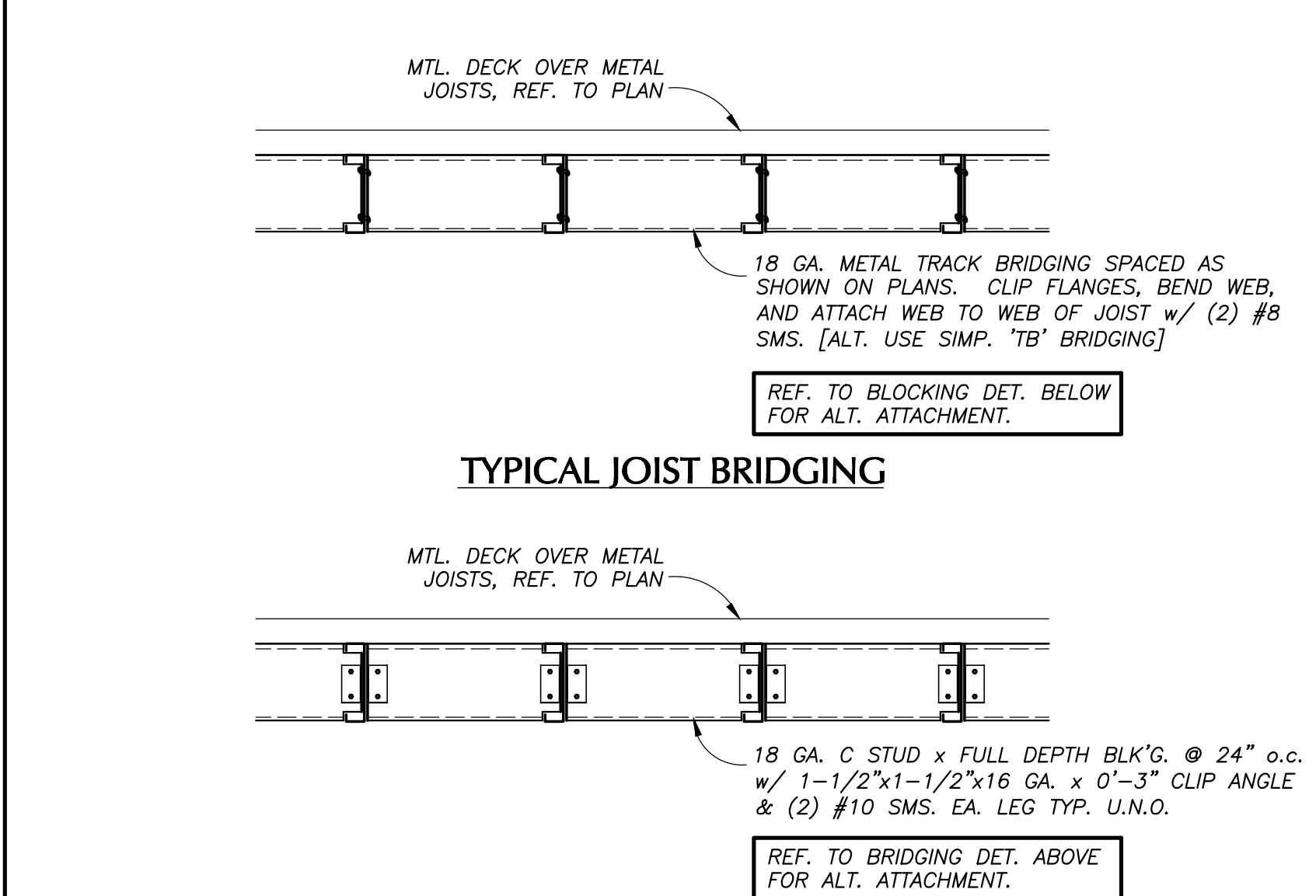
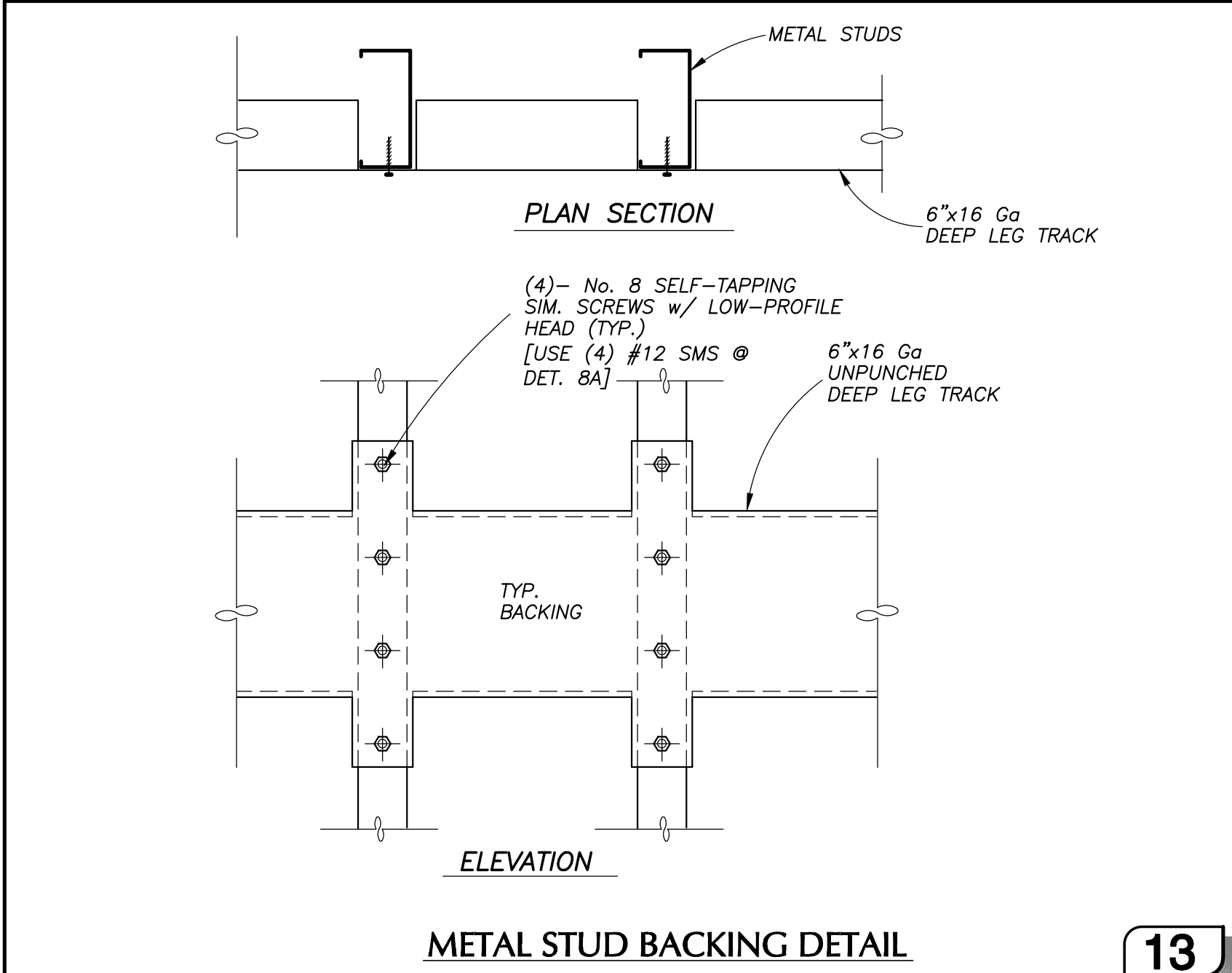


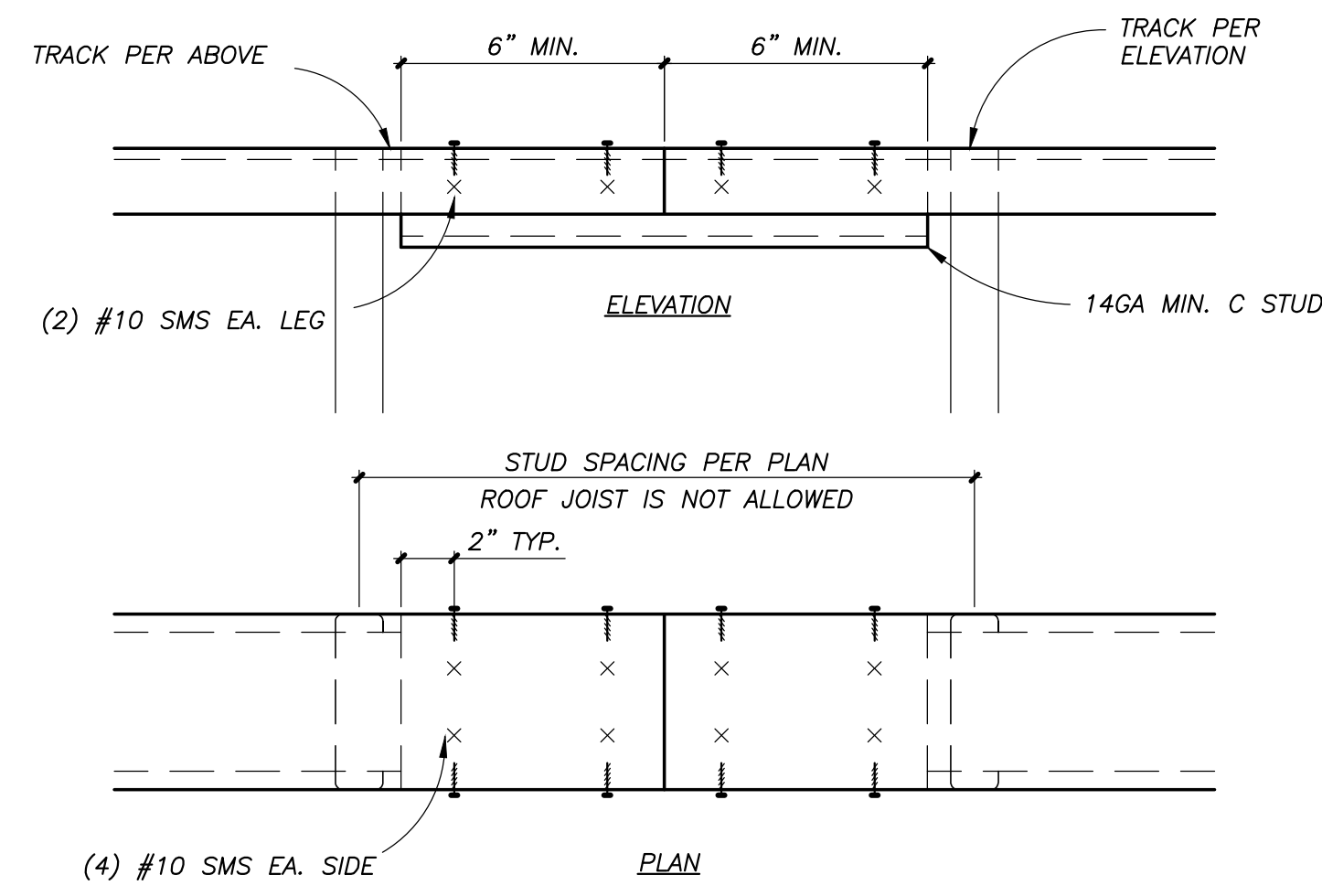
| HOLDOWN (IAPMO ER-124) | STUD FASTENERS (#14 SELF-TAPPING SCREWS U.N.O.) (1) | MIN. HDN. CHORD (2) |
|------------------------|---|---------------------|
| S/HDU4                 | 6   | (2) 14GA. STUDS     |
| S/HDU6                 | 12  | (2) 14GA. STUDS     |
| S/HDU9                 | 18  | (2) 12GA. STUDS     |
| S/HD15B                | (4) 3/4" Ø  | (2) 10GA. STUDS     |



**CEILING JOISTS SPAN TABLE**  
ICC ESR-3064P

| SIZE        | F <sub>y</sub> (ksi) | A (in <sup>2</sup> ) | I <sub>x</sub> (in <sup>4</sup> ) | S <sub>x</sub> (in <sup>3</sup> ) | MAX. SPAN |  | NOTES |
|-------------|----------------------|----------------------|-----------------------------------|-----------------------------------|-----------|--|-------|
|             |                      |                      |                                   |                                   | 16" O.C.  |  |       |
| 400S162-43  | 33                   | .357                 | .892                              | .446                              | 10'-0"    |  |       |
| 600S162-43  | 33                   | .447                 | 2.316                             | .772                              | 14'-0"    |  |       |
| 800S162-54  | 50                   | .670                 | 5.736                             | 1.434                             | 23'-0"    |  |       |
| 1000S162-54 | 50                   | .783                 | 9.950                             | 1.990                             | 26'-0"    |  |       |



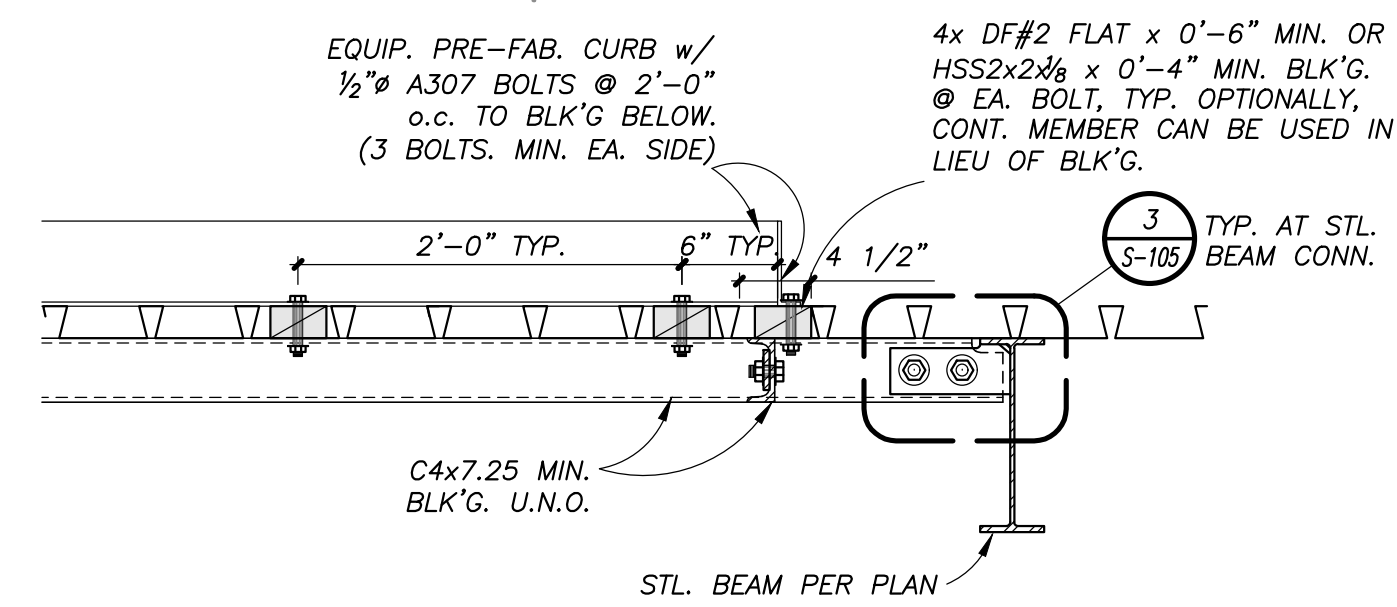


TOP TRACK SPLICE

NO SCALE

13

NOTE:  
REF. TO TYP. DET. 6/- SIM. FOR ROOF MTL. DECK TO STL. BLK'G WELD CONN.

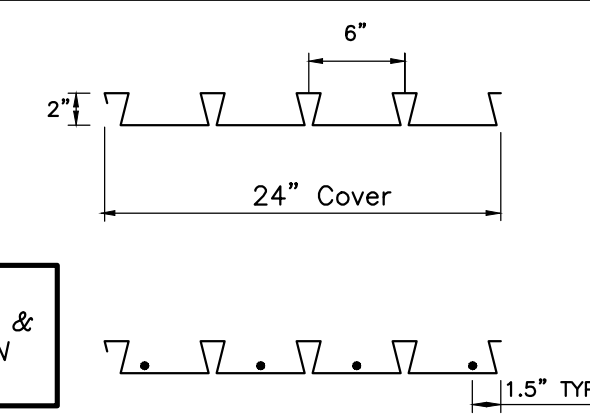


TYP. BLK'G BELOW EQUIP. CURBS

9

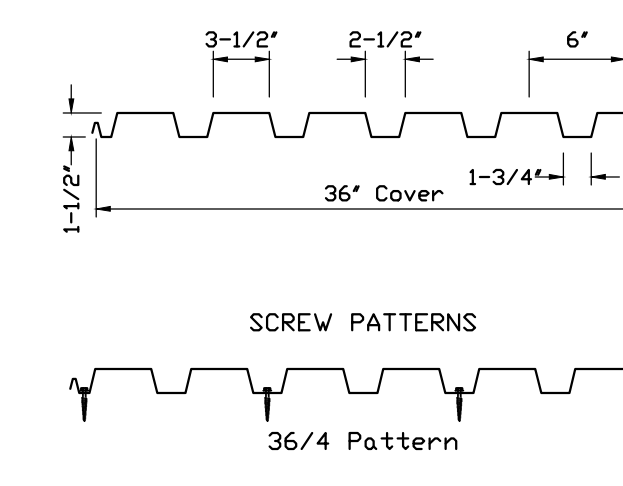
| SYM BUILDING                   | DECK TYPE | VERSA-DEK S ES ACOUSTICAL & EPICORE BEAMA SECTION PROPERTIES |              |                  |  | SECTION OF SECTION 5 (each / foot) |              |              |              | REPORT         |
|--------------------------------|-----------|--|--------------|------------------|--|------------------------------------|--------------|--------------|--------------|----------------|
|                                |           | BASE METAL THICKNESS (in)                                    | WEIGHT (psf) | AREA (sqft / ft) | Moment of Inertia (in <sup>4</sup> / ft) | Positive, In                       | Negative, In | Positive, In | Negative, In |                |
| VERSA-DEK S ES ACOUSTICAL - 18 | 18        | 0.0474   | 3.32         | 0.975            | 0.837                                    | 0.007                              | 0.008        | 0.473        | 0.473        | IC-ES ECR-2287 |
| EPICORE ER2RA - 18             | 18        | 0.0474   | 3.4          | 0.99             | 0.59                                     | 0.55                               | 0.46         | 0.40         | 0.40         | IMMO 228       |

NOTE:  
REF. TO APPROVED REPORT & MANUF. FOR MORE INFO. ON WELD LOCATION



VERSA-DEK S ES ACOUSTICAL ( OPT. EPICORE 'ER2RA')

| DECK TYPE         | BASE METAL THICKNESS (in) | WEIGHT (psf) | AREA (sqft / foot) | SECTION 3 Modulus S (each / foot) |              |              |              | REPORT    |
|-------------------|---------------------------|--------------|--------------------|-----------------------------------|--------------|--------------|--------------|-----------|
|                   |                           |              |                    | Positive, In                      | Negative, In | Positive, In | Negative, In |           |
| VERCO PLB-36 - 18 | 0.0478                    | 2.9          | 0.807              | 0.302                             | 0.306        | 0.322        | 0.490        | IMMO 2018 |

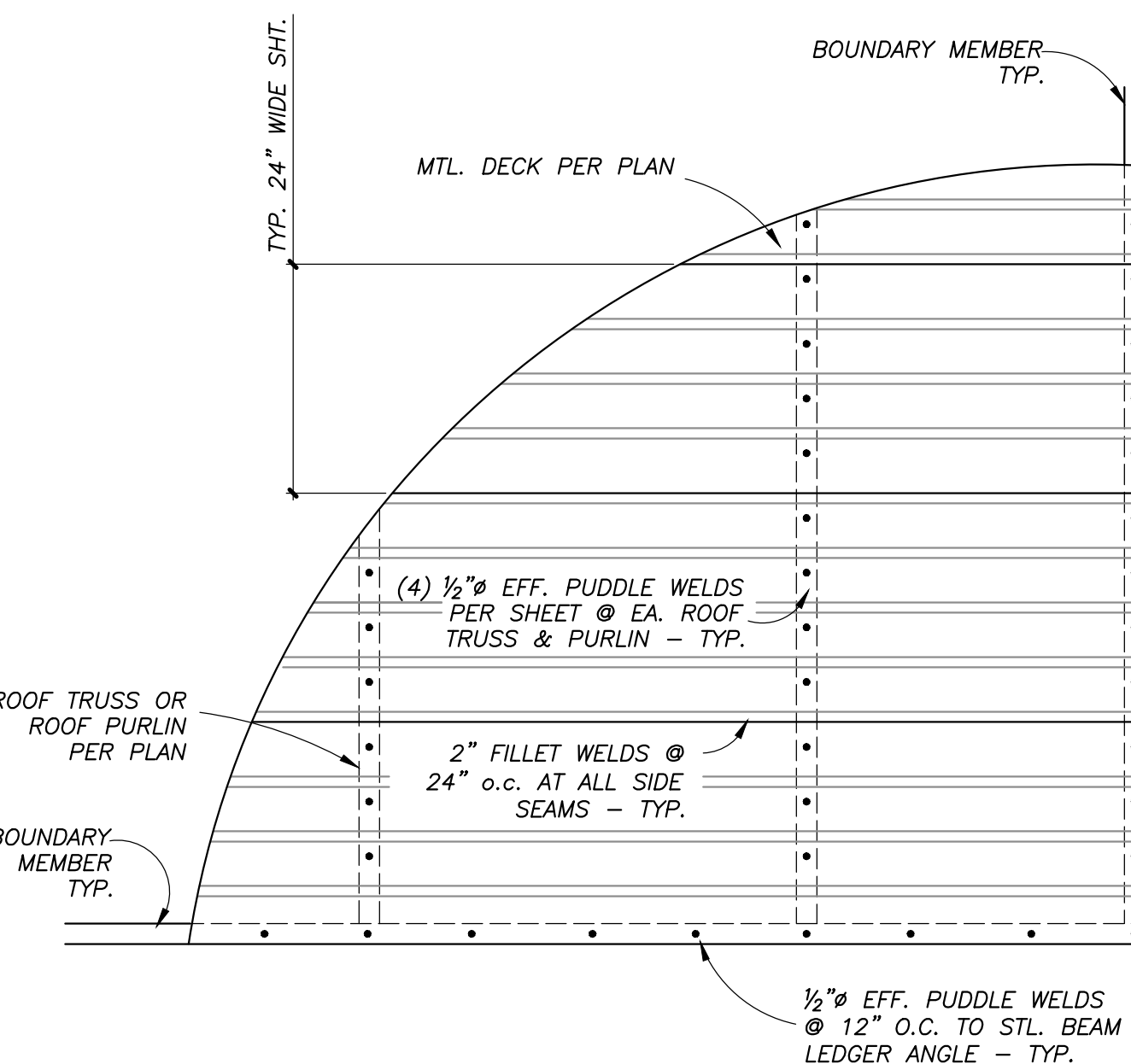


SELF-DRILLING, TAPPING SCREW TABLE

| SUPPORT THICKNESS        | FASTENER DESIGNATION |
|--------------------------|----------------------|
| 33 mil (0.0346") - 3/16" | #3 DRILL POINT       |
| 1/8" - 1/4"              | #4 DRILL POINT       |
| 1/8" - 1/2"              | #5 DRILL POINT       |

NOTE: PROVIDE 3/16" MIN. x 0.05" THICK WASHER w/ #12 SELF DRILLING, SELF TAPPING SCREWS TYP.

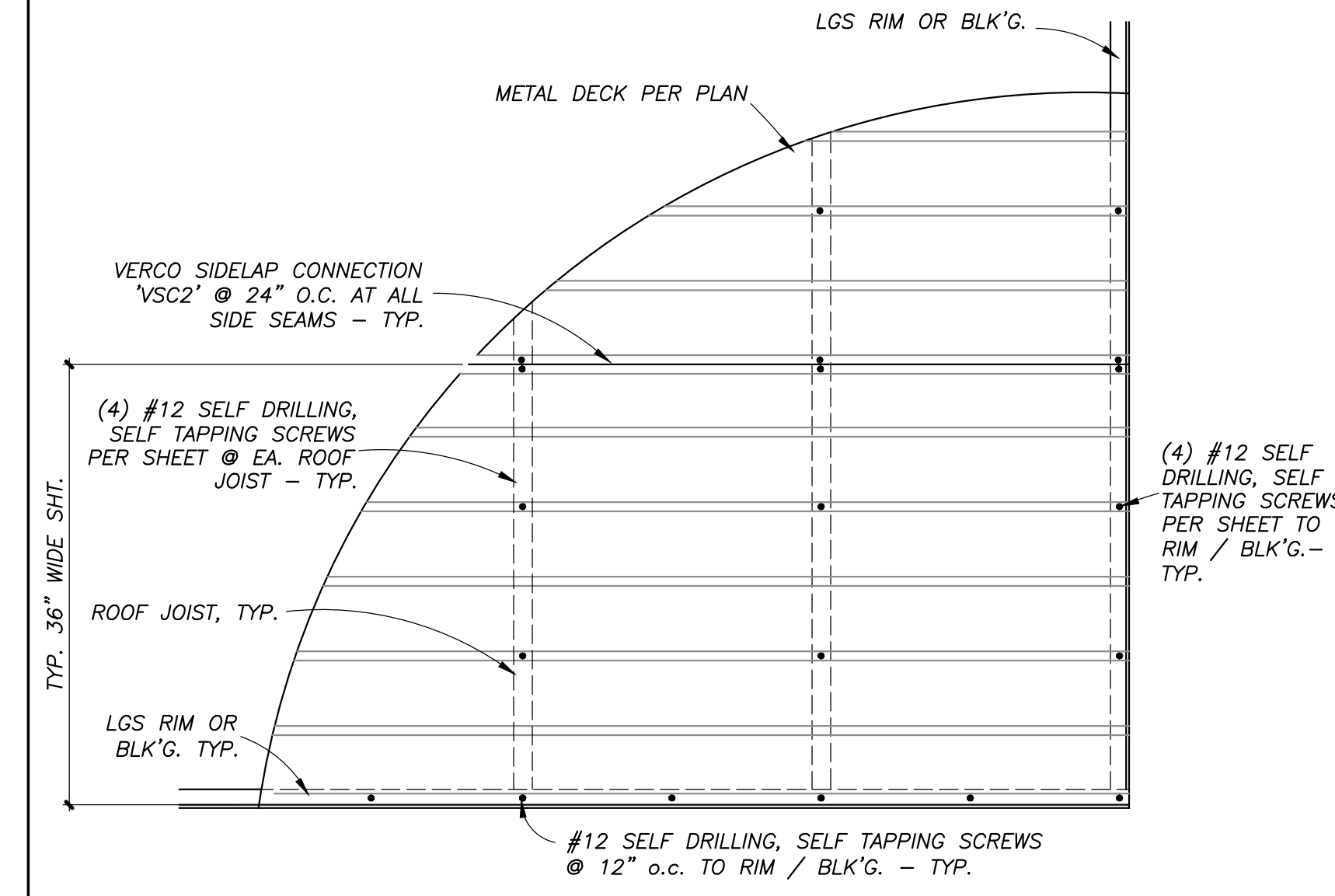
VERCO PLB-36



TYPICAL VERSA OR EPICORE DECK - WELD CONNECTION

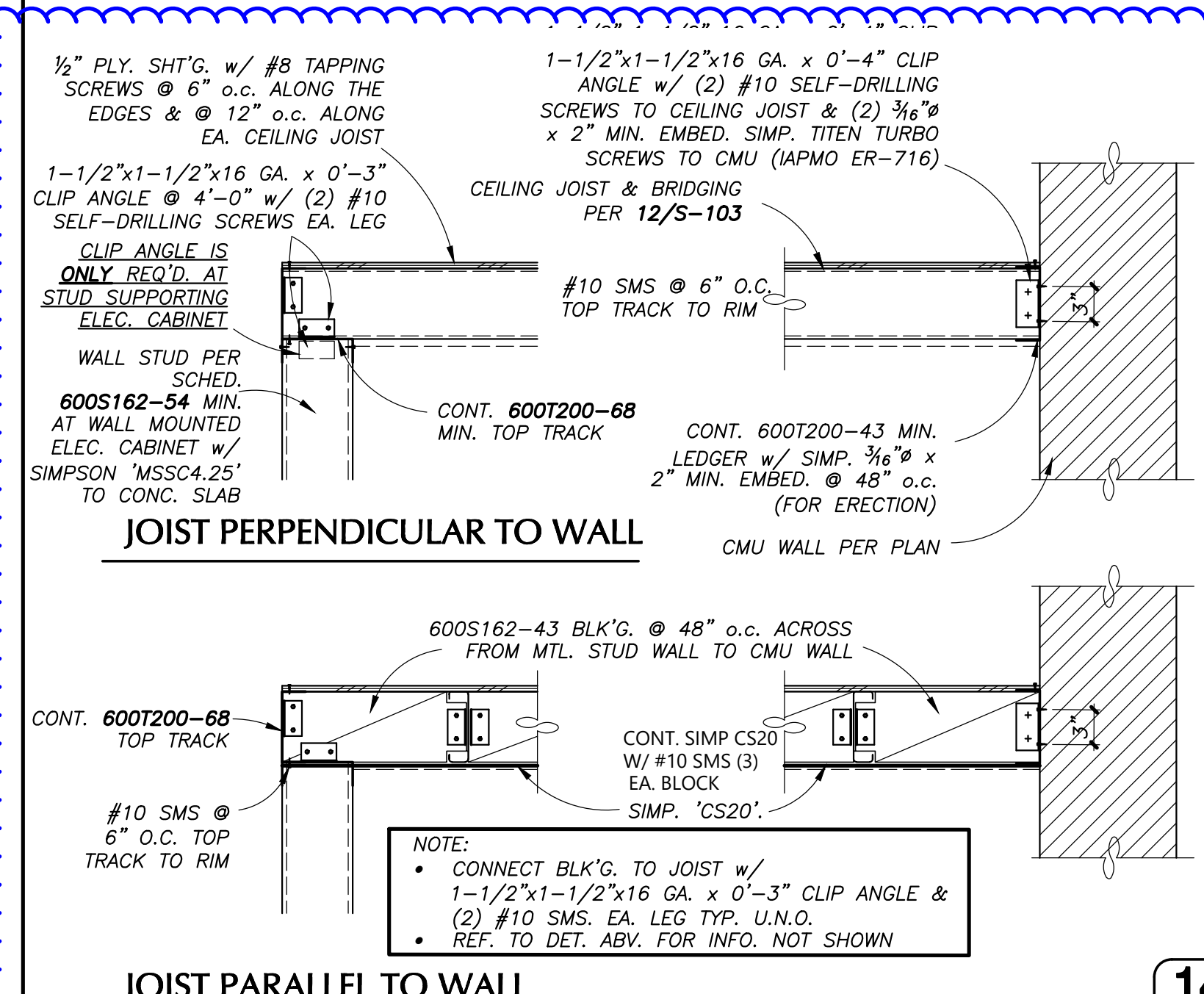
N.T.S.

6



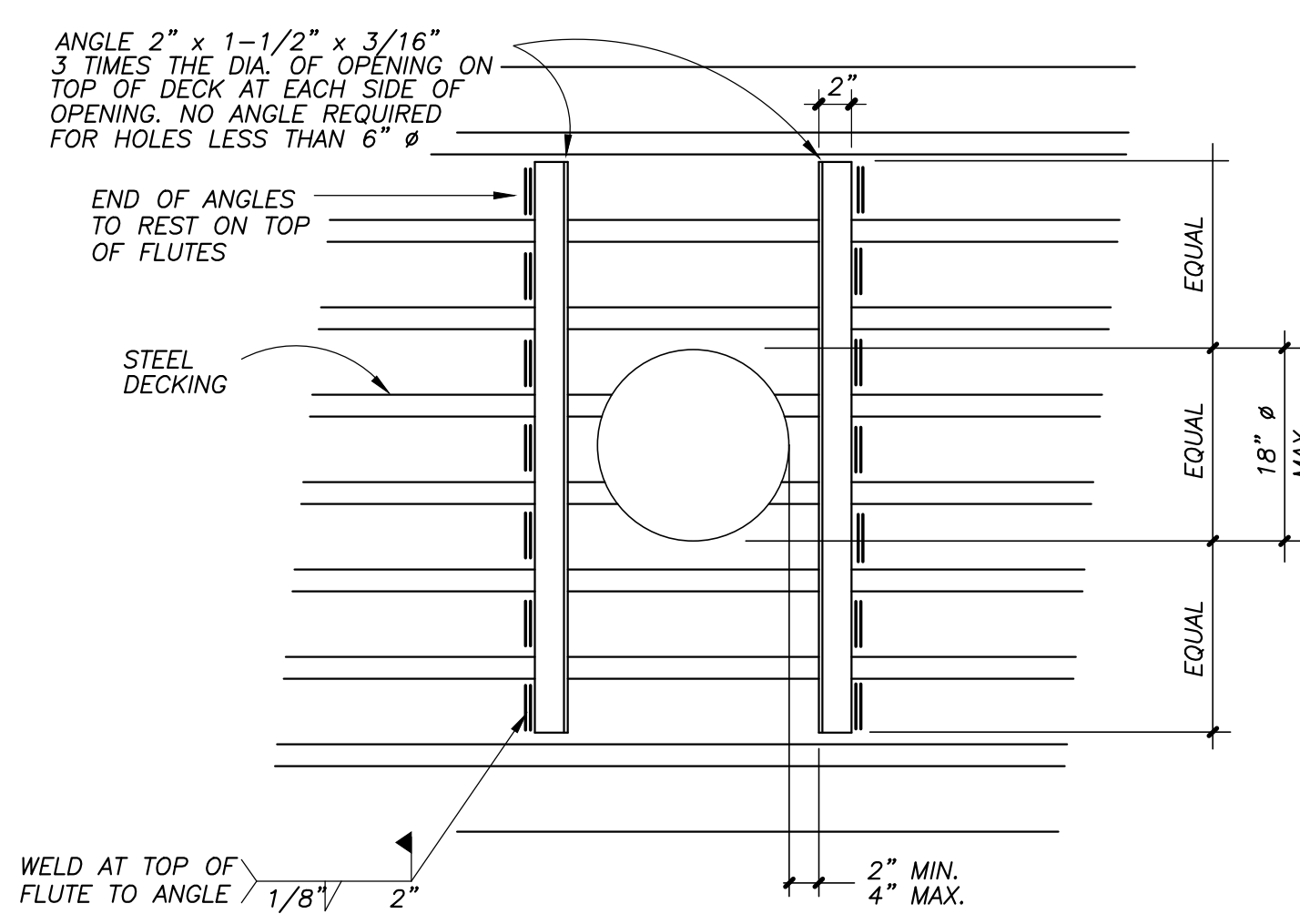
TYPICAL VERCO DECK - SCREW CONNECTION

2



JOIST PARALLEL TO WALL

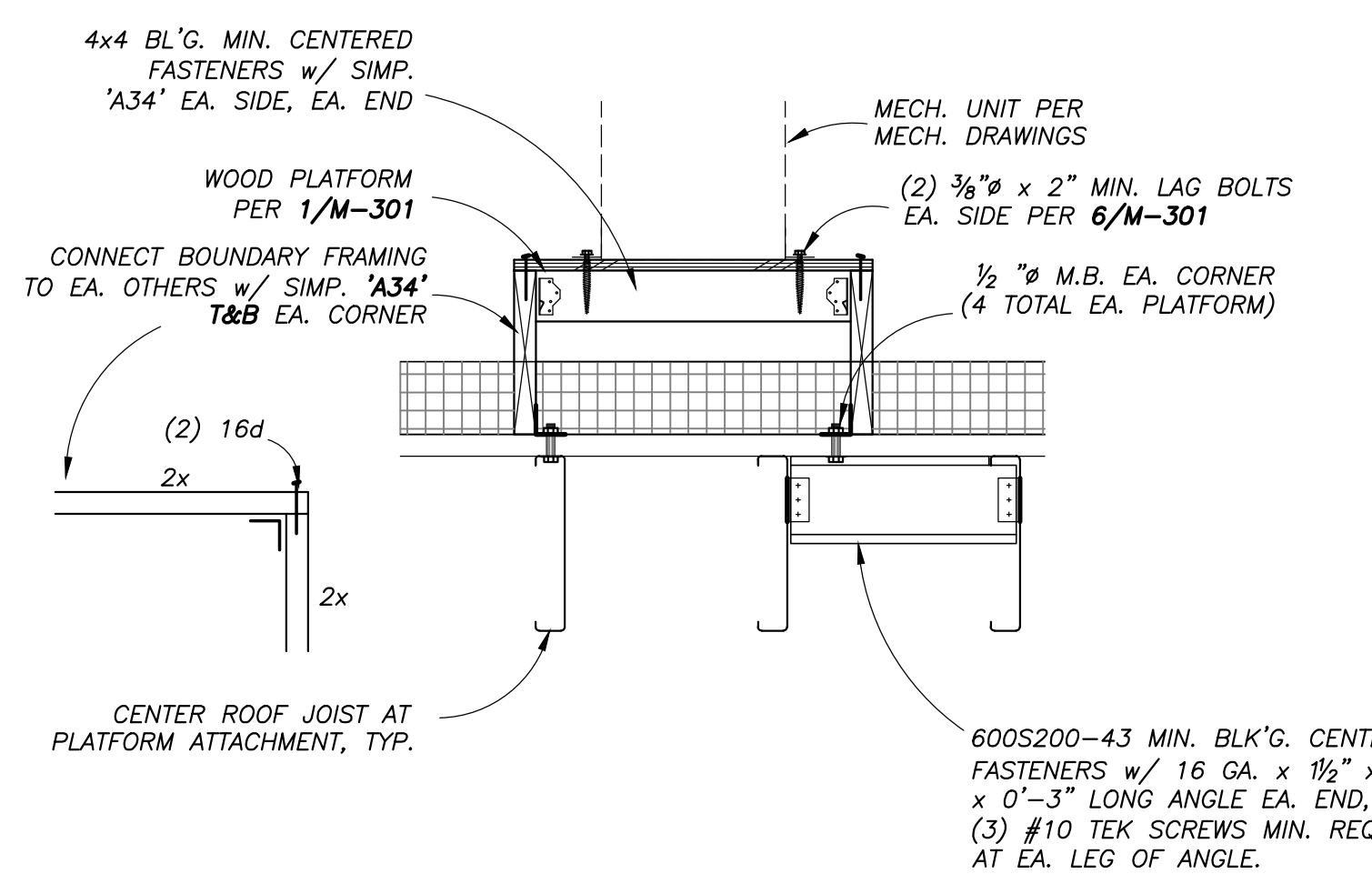
14



TYPICAL OPENING IN STEEL DECK

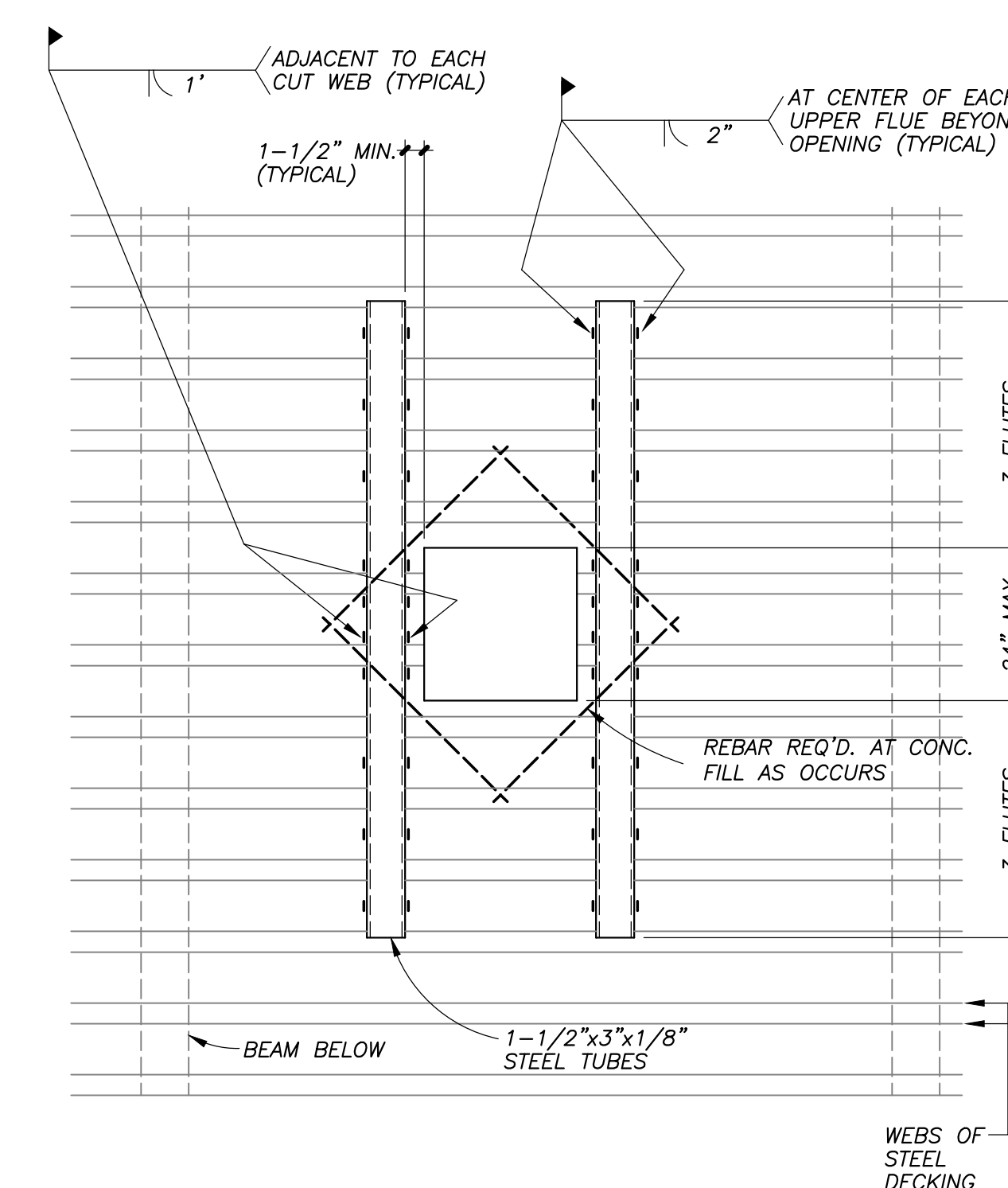
OF 18" Ø OR LESS

10



WOOD PLATFORM TO ROOF FRAMING ANCHORAGE

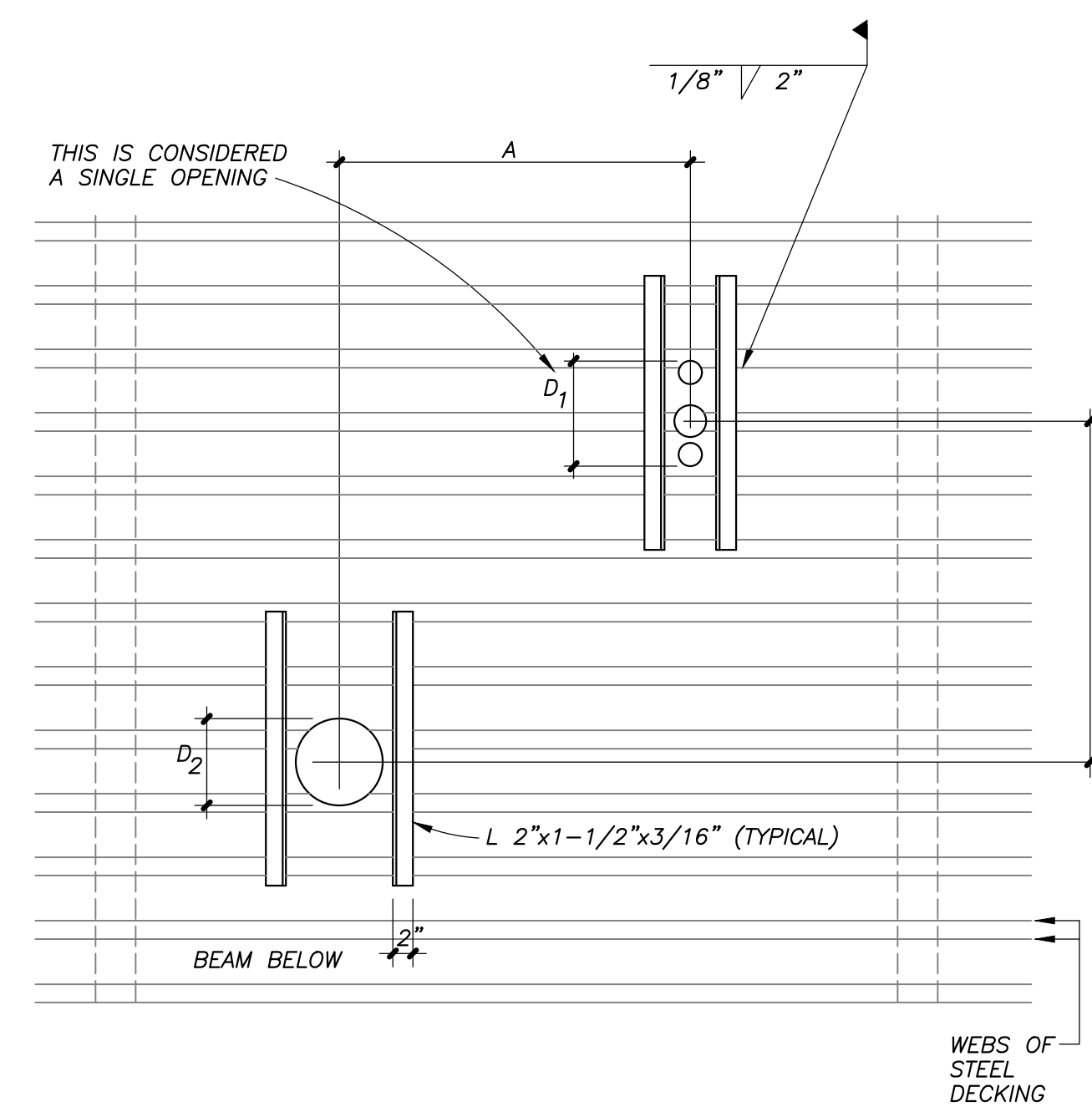
11



NOTES:  
1. TUBES SHALL BE PLACED ON TOP OF THE FORMLOK DECK.  
2. ADD #4 REBAR AT CORNERS OF OPENING ABOVE THE TUBES.  
3. IF THE OPENING OR GROUP OF OPENINGS OCCURS IN ONE FORMLOK DECK UNIT, THE OPENING OR OPENING GROUP MAY BE CUT BEFORE POURING CONCRETE.  
4. IF THE OPENING OR GROUP OF OPENINGS CUTS THROUGH TWO FORMLOK DECK UNITS, THE DECK SHALL NOT BE CUT UNTIL CONCRETE HAS BEEN PLACED AND CURED. AT THE TIME OF POURING, SUITABLE SLEEVES OR BULKHEADS SHALL BE PLACED AROUND THE OPENING.  
5. WHEN THE MAXIMUM DIMENSION OF AN OPENING OR OPENING GROUP EXCEEDS 24", PLACE HEADER BEAMS AROUND OPENING.

LARGER HOLES, RECTANGULAR OR SQUARE

8



1. ANGLES SHALL BE PLACED ON TOP OF THE FORMLOK DECK.  
2. ANGLES SHALL BE 3 TIMES THE DIAMETER OF THE DECK CONNECTION, (TYPICAL).  
3. IF DIMENSION A IS >4D<sub>1</sub>, 4D<sub>2</sub>, OR 32" WHICHEVER IS LARGER, THERE IS NO RESTRICTION ON DIMENSION B.  
4. IF DIMENSION B IS >4D<sub>1</sub>, 4D<sub>2</sub>, OR 32" WHICHEVER IS LARGER, THERE IS NO RESTRICTION ON DIMENSION A.  
5. IF DIMENSION A AND B ARE <4D<sub>1</sub>, 4D<sub>2</sub>, OR 32" WHICHEVER IS LARGER, THE OPENING GROUP SHALL BE CONSIDERED AS A SINGLE HOLE, AND SHALL BE REINFORCED AS REQUIRED FOR THE LARGER OPENING AS SHOWN IN DETAIL 11/-

HOLES CUTTING NO MORE THAN:

- 3 ADJACENT WEBS FOR 6" AND 8" MODULE DECK
- 2 ADJACENT WEBS FOR 12" MODULE DECK

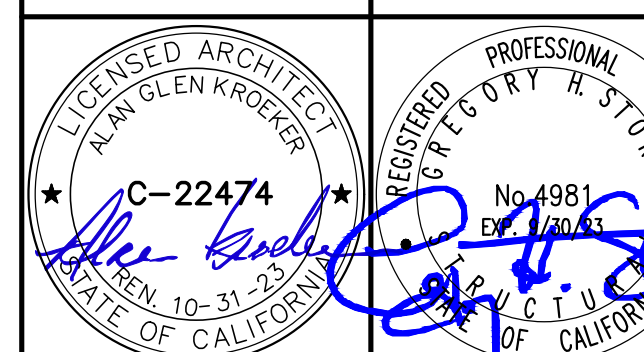
4



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ARCHITECT STAMP CONSULTANT STAMP



REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| A   | 05-19-2022 | ADDENDUM A  |

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE

PROJECT OWNER & TITLE  
**ORCUTT UNION SCHOOL DISTRICT**  
500 Dyer Street  
Orcutt, CA 93455

**ORCUTT ACADEMY HS MUR BUILDING**  
610 Pinal Avenue  
Orcutt, CA 93455

SHEET TITLE

**TYPICAL DETAILS**

DRAWN BY: VB JOB NUMBER: 21025

SHEET NO.

**S-104**

DATE: MARCH 23, 2022

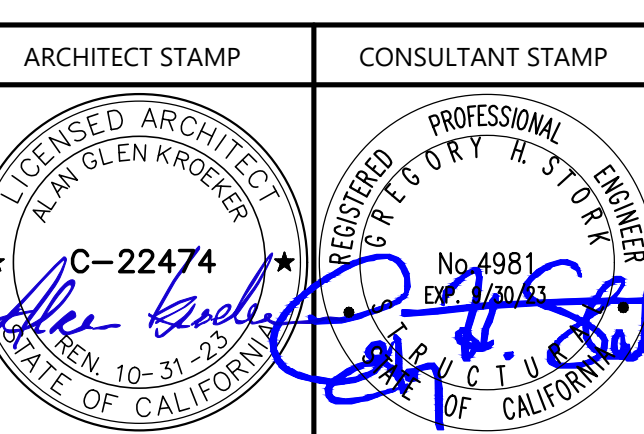
16

12



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| REVISIONS |            |             |
|-----------|------------|-------------|
| NO.       | DATE       | DESCRIPTION |
| A         | 05-19-2022 | ADDENDUM A  |

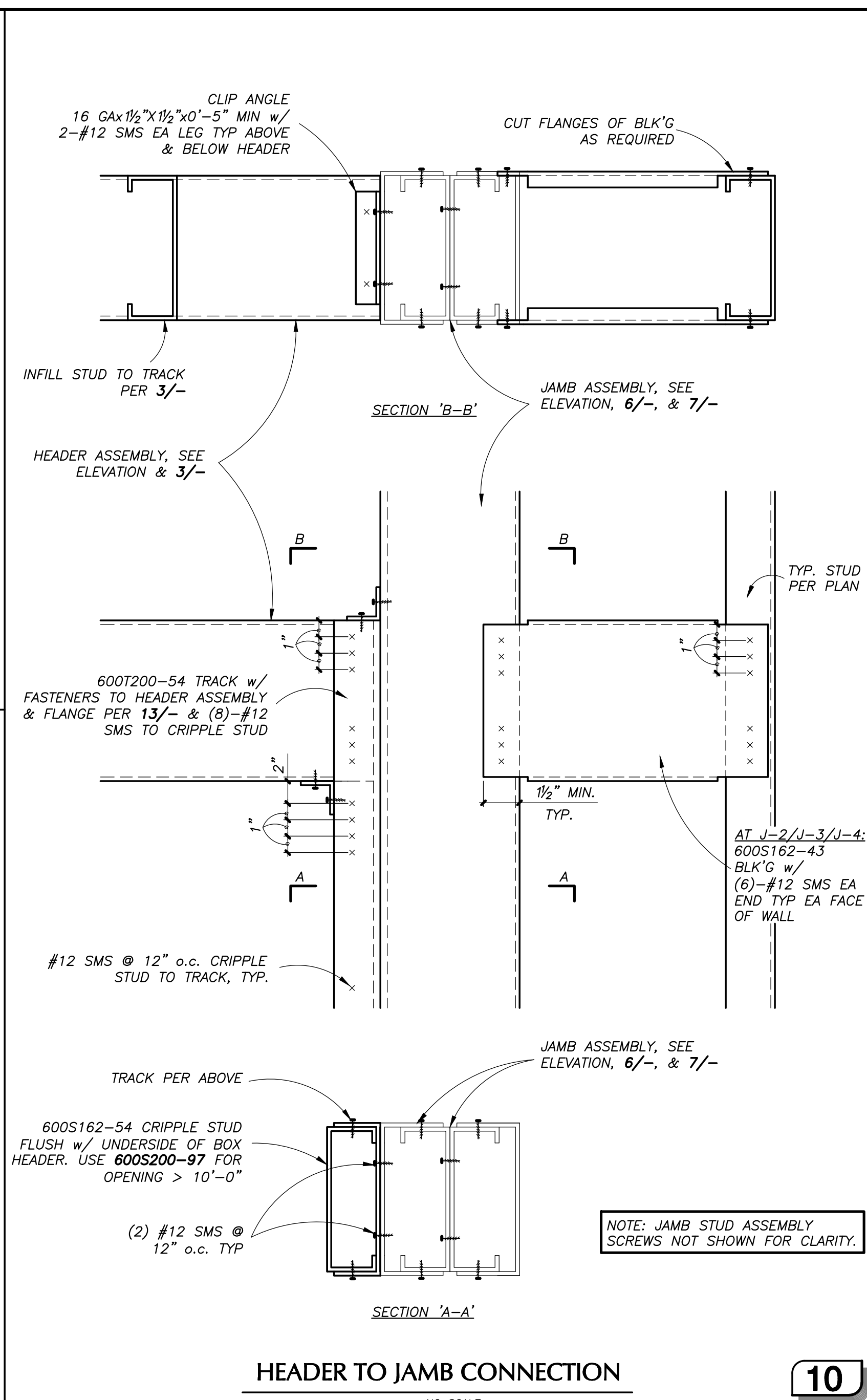
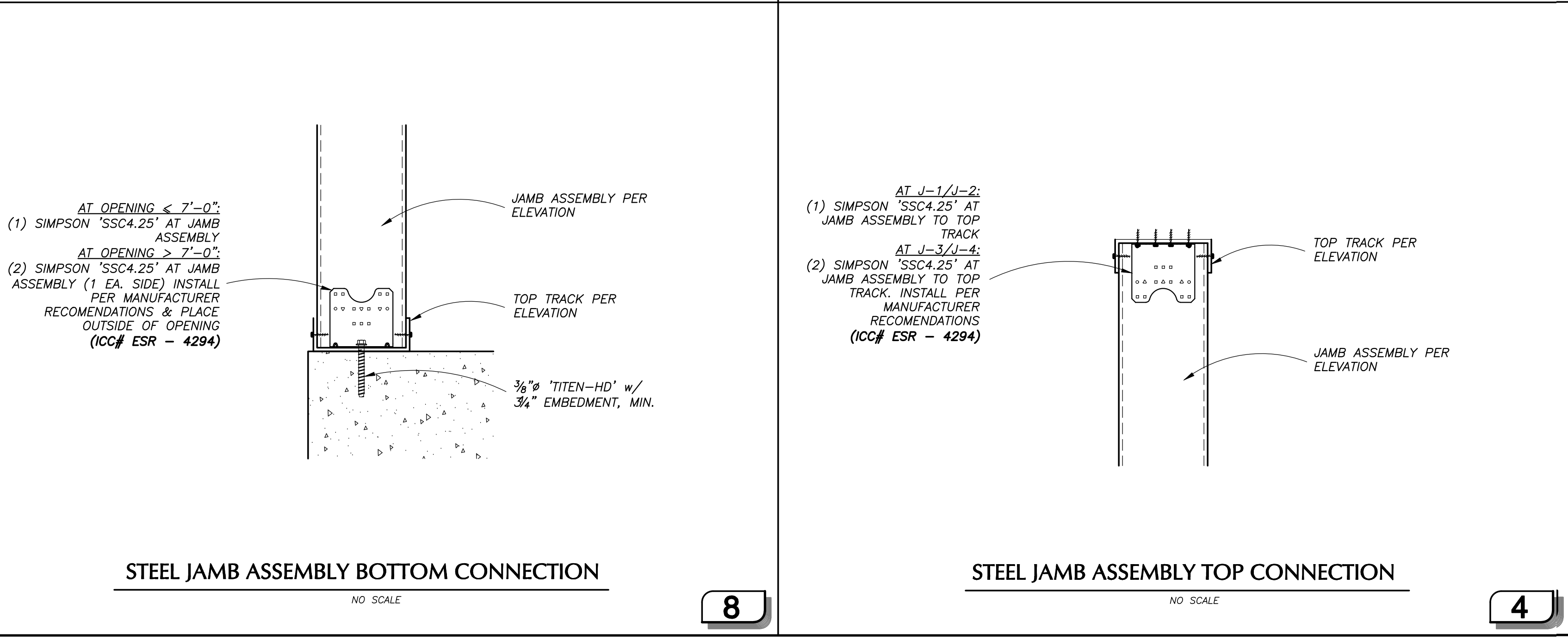
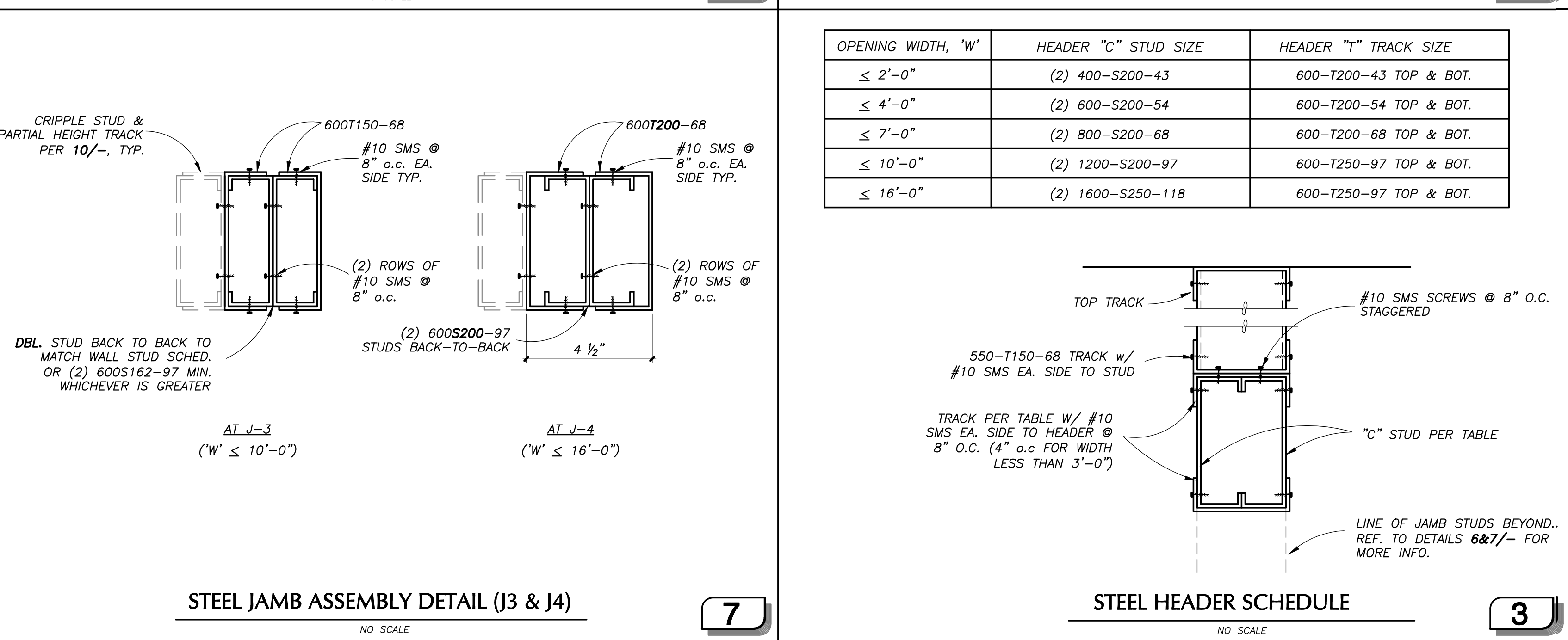
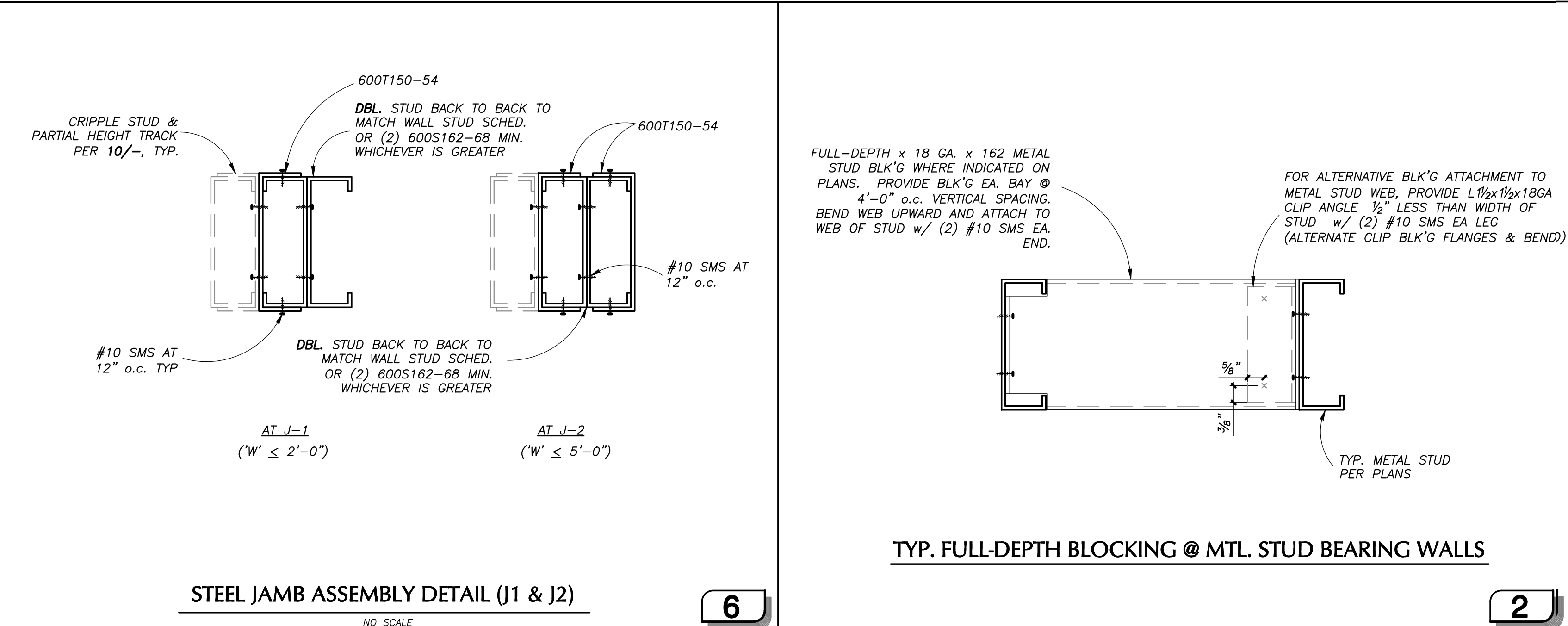
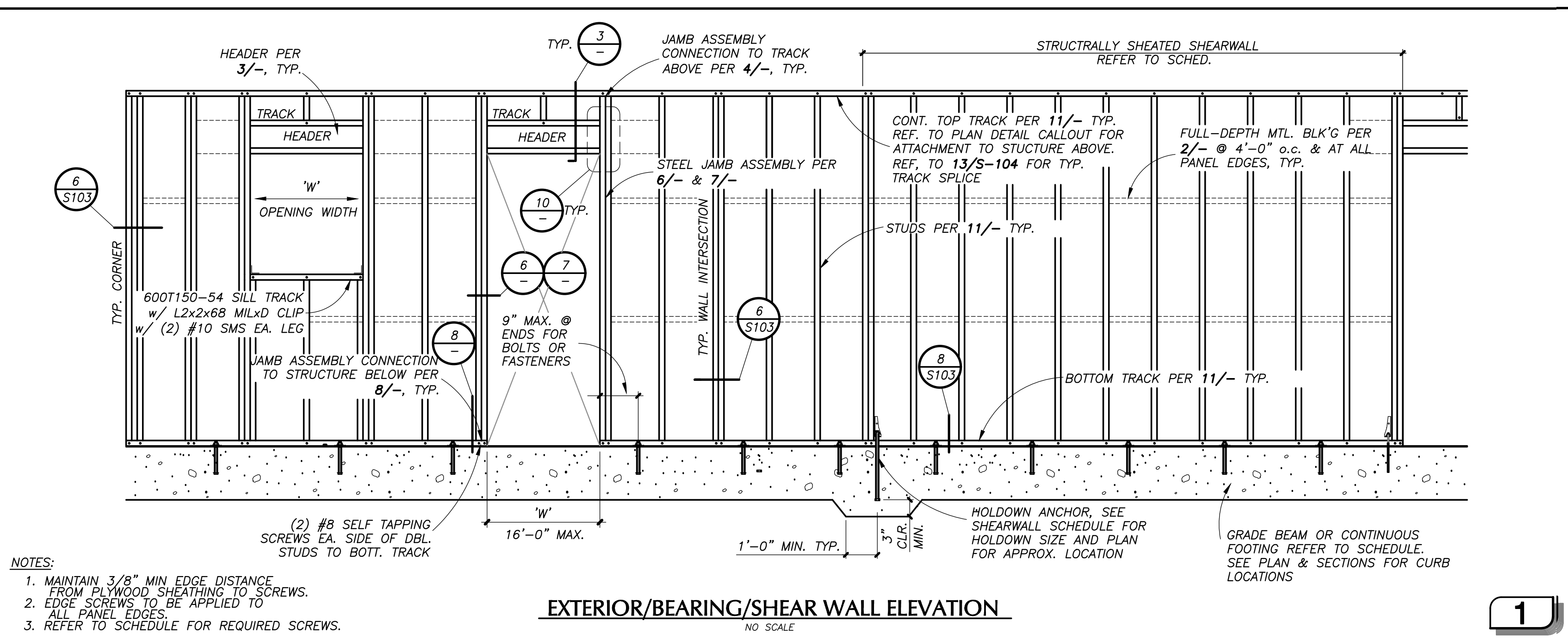
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610 Pinal Avenue  
Orcutt, CA 93455

SHEET TITLE  
**TYPICAL DETAILS**  
DRAWN BY: VB JOB NUMBER: 21025  
SHEET NO.

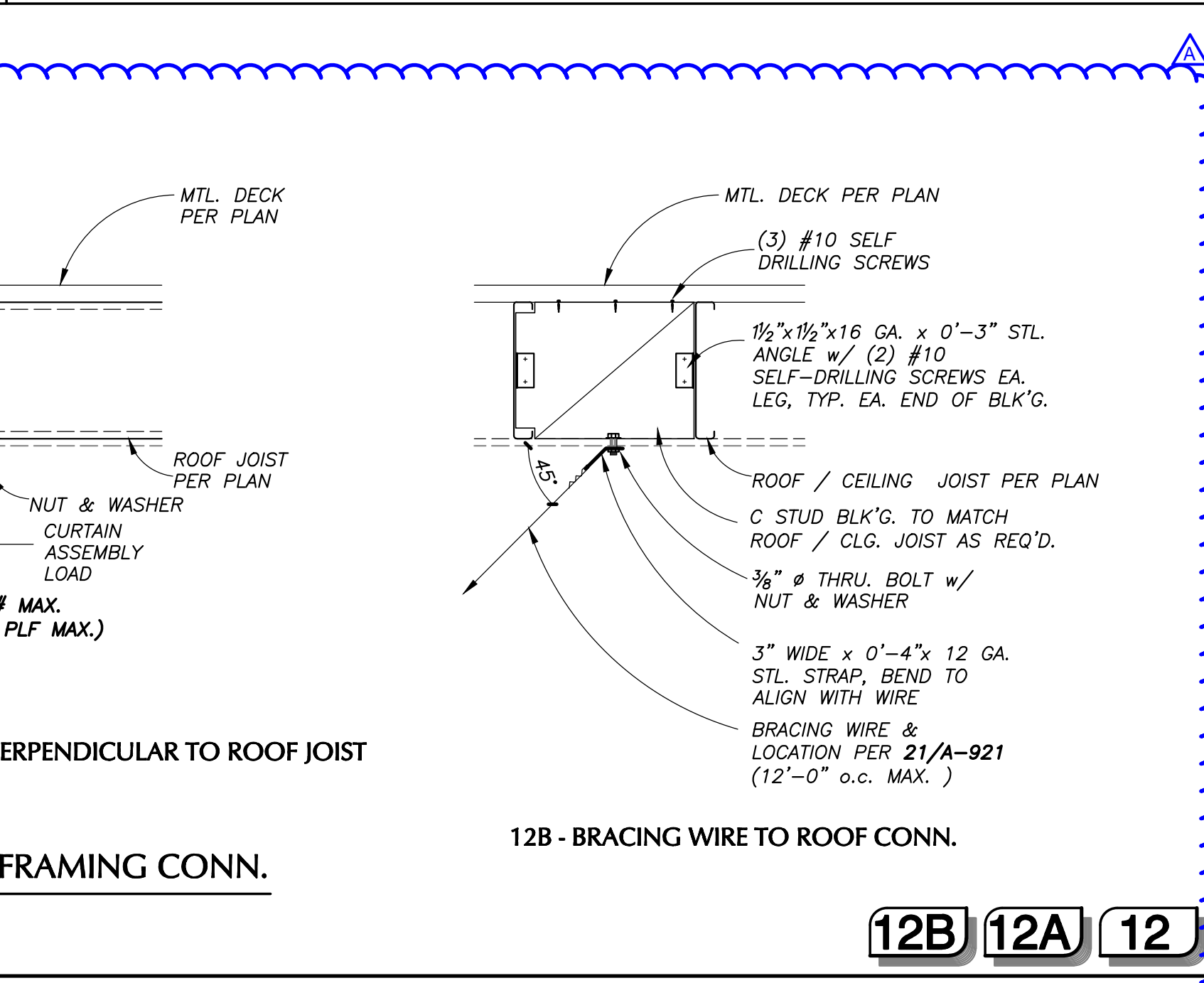
**S-106**  
DATE: MARCH 23, 2022



**MTL. STUDS & TRACKS SCHEDULE**

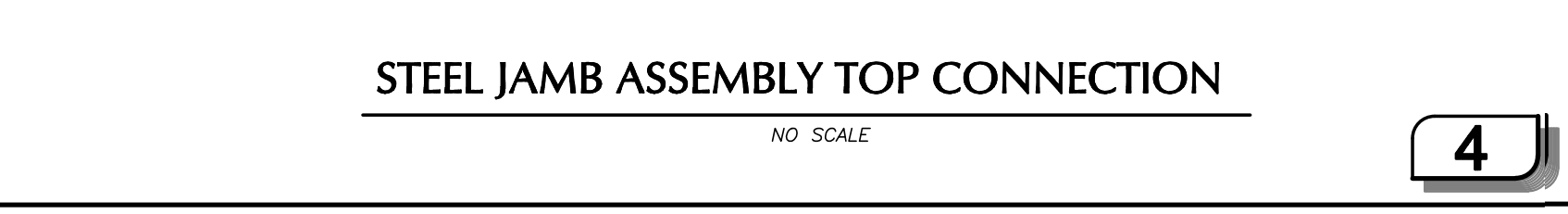
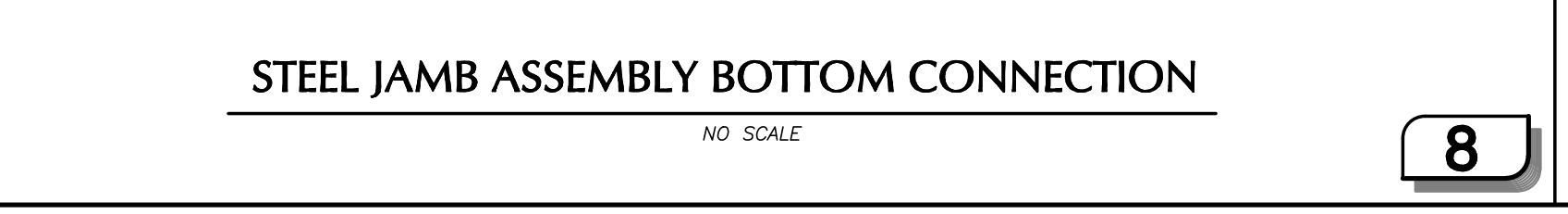
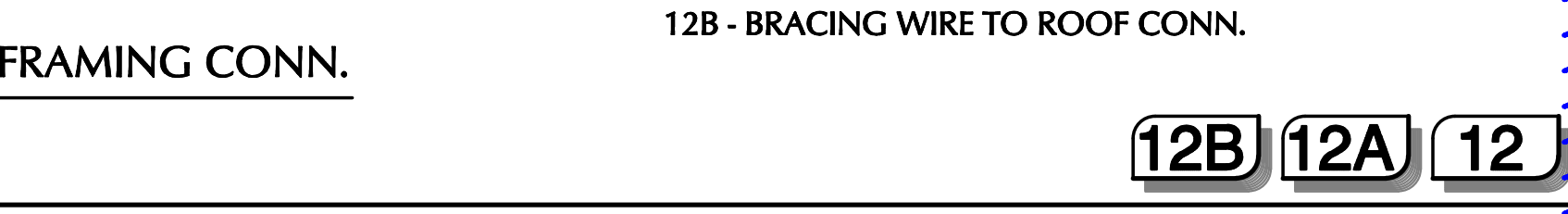
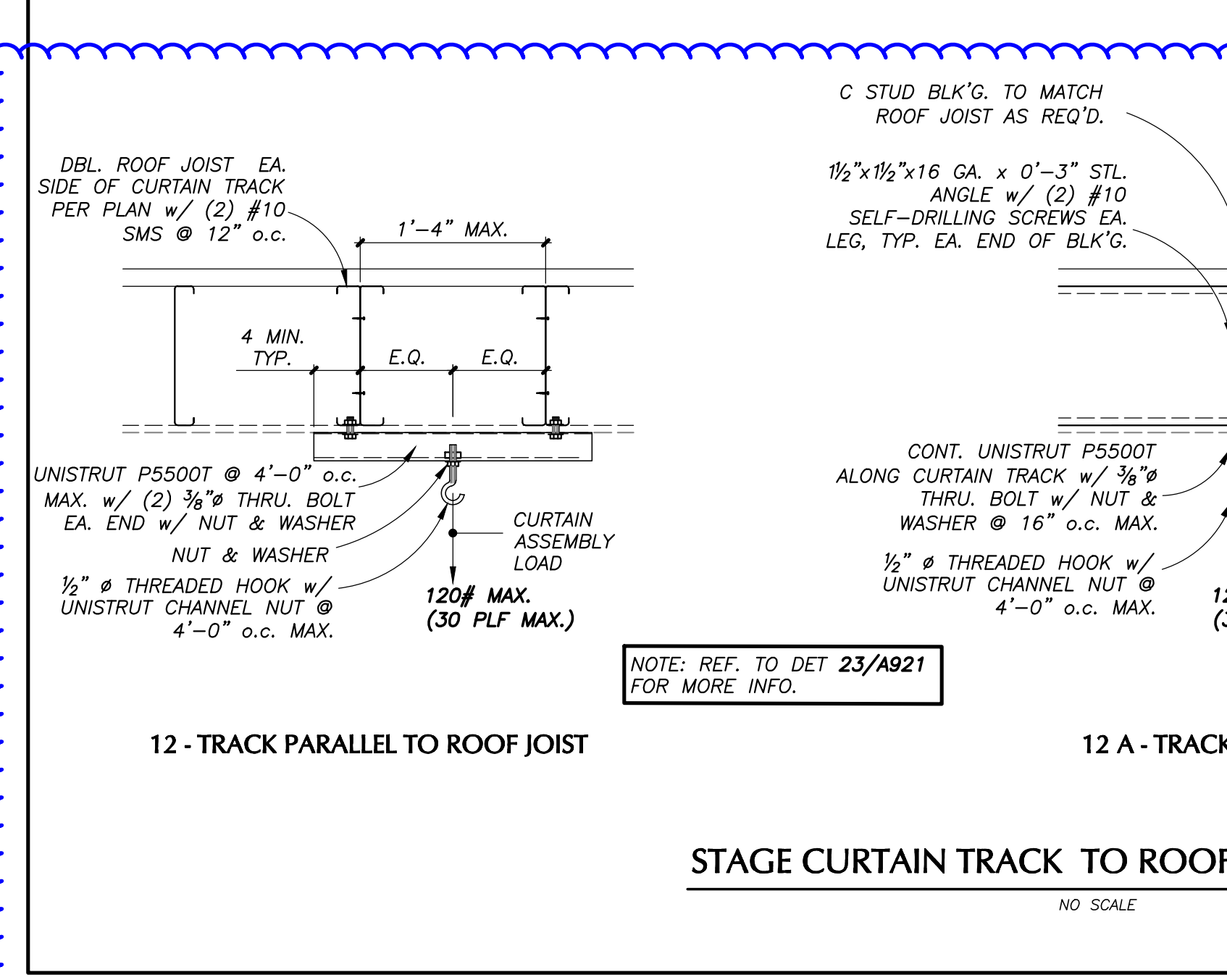
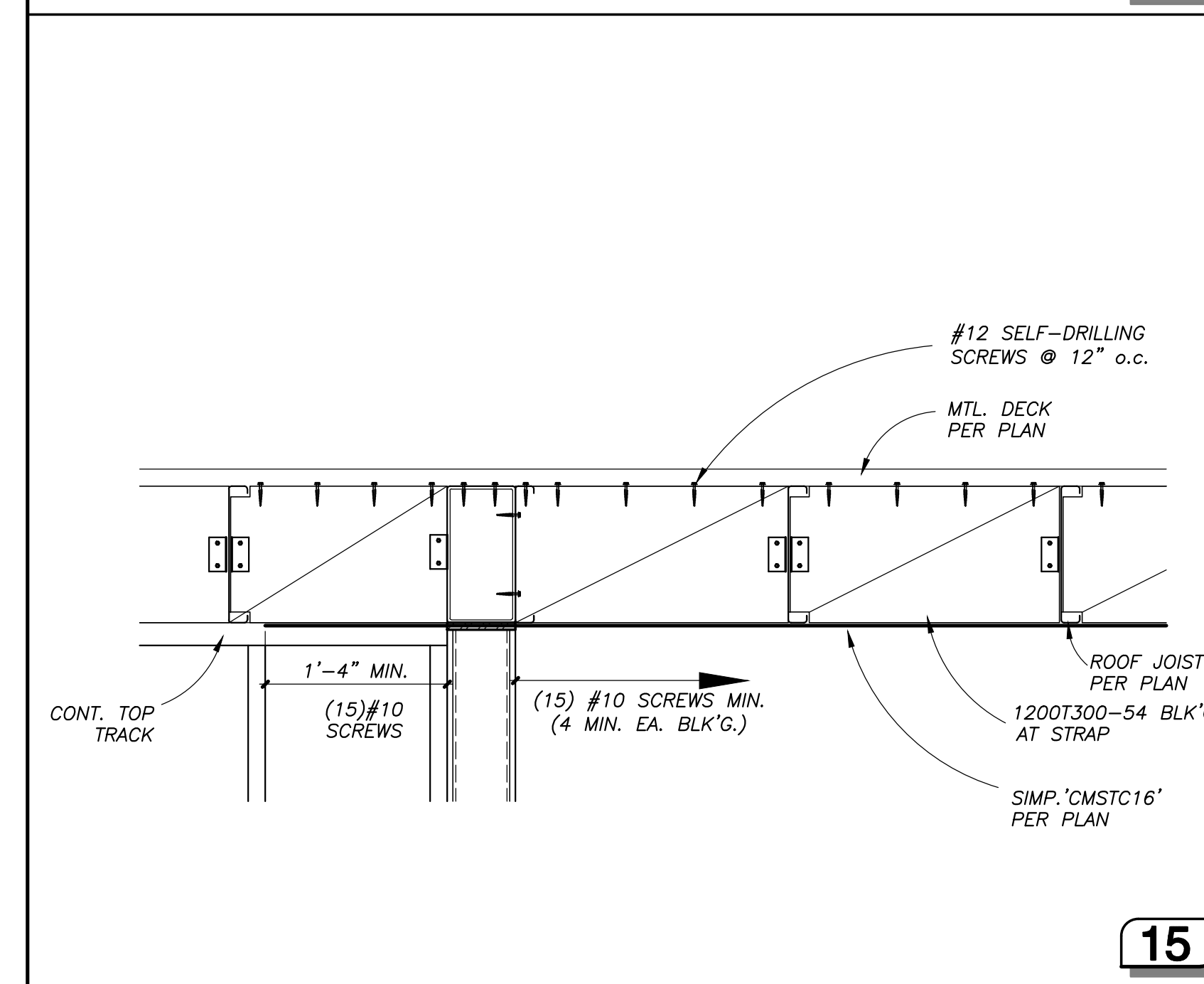
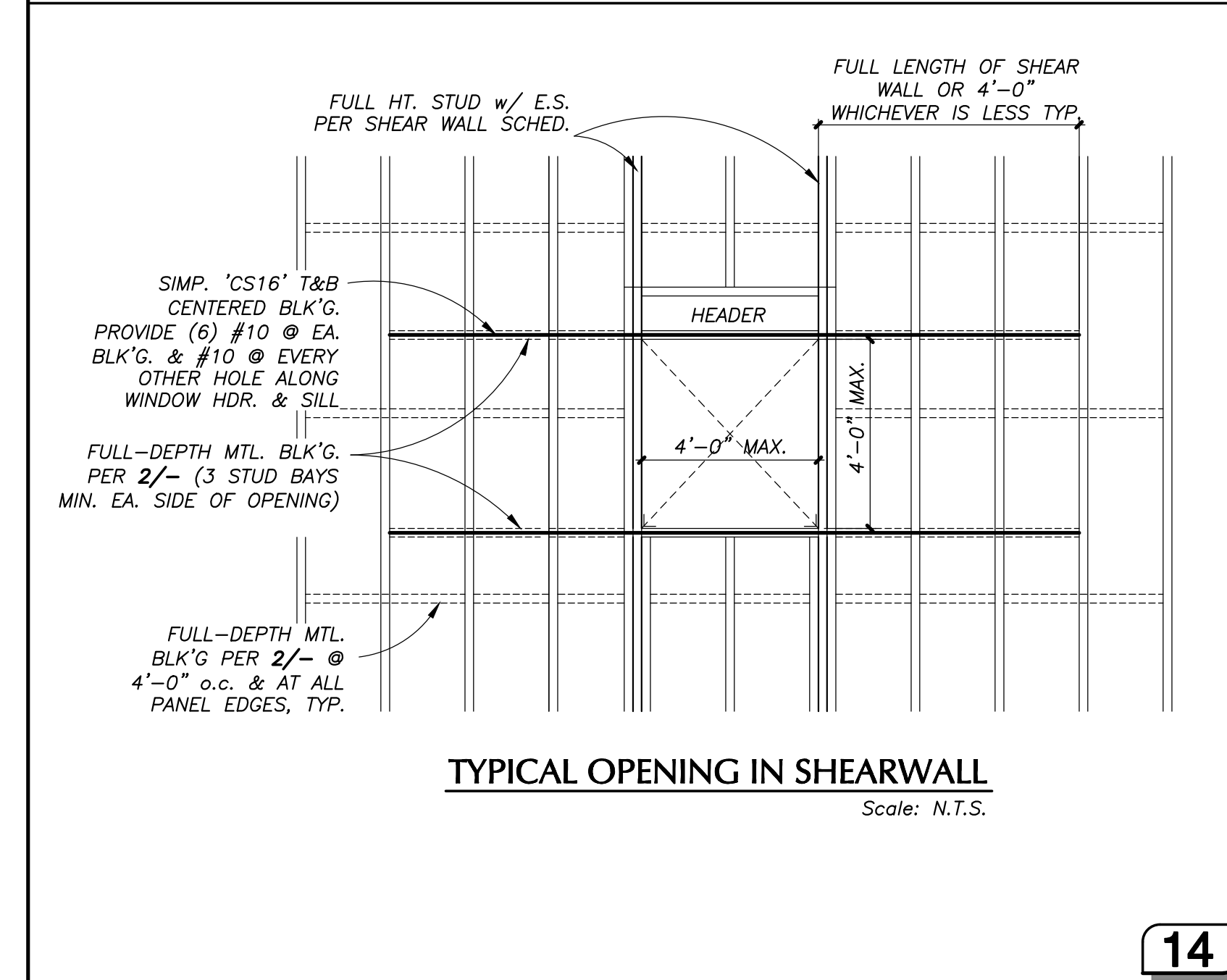
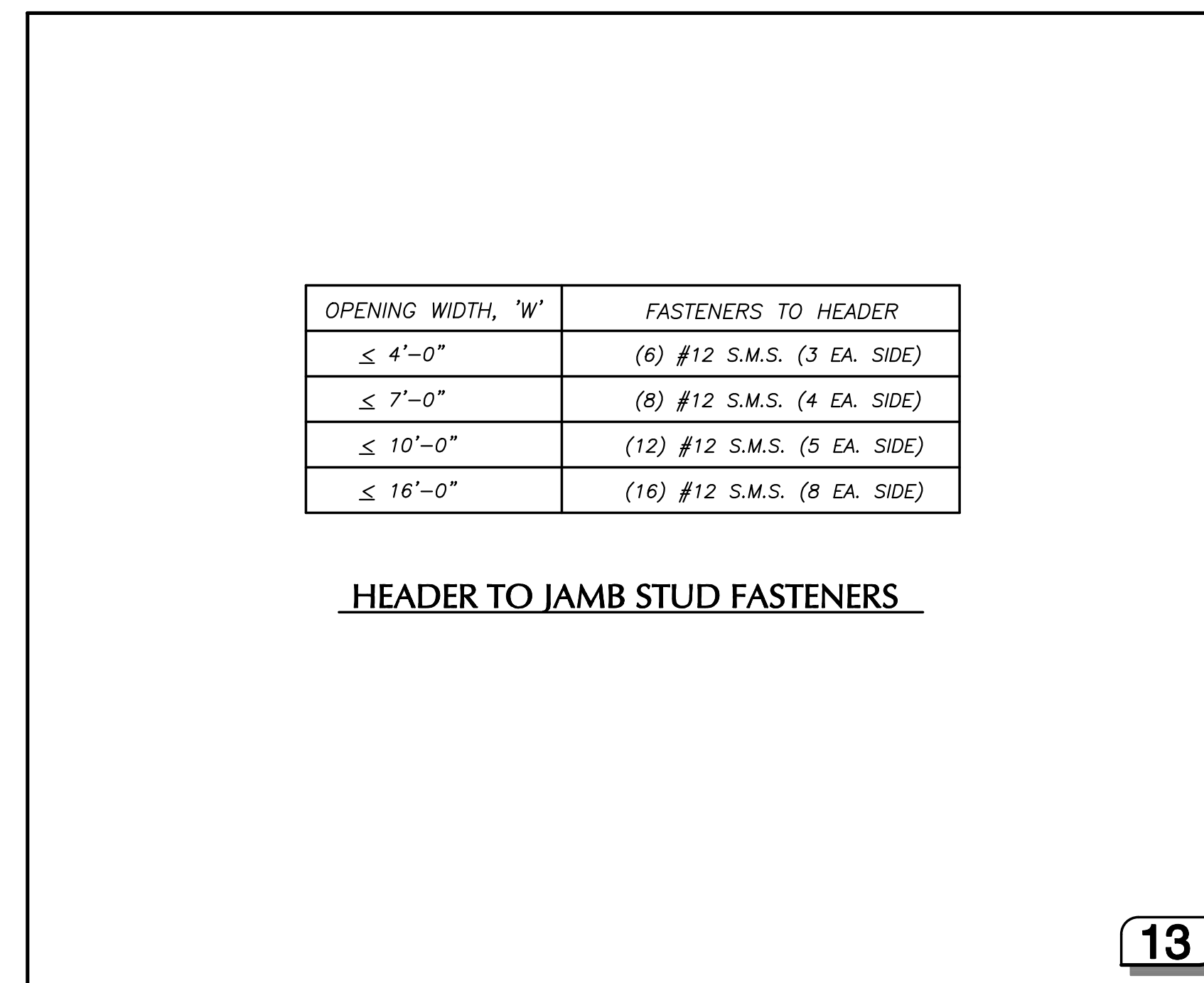
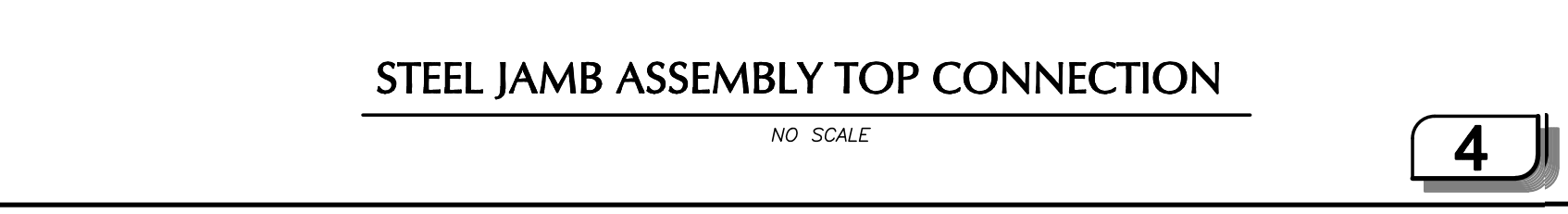
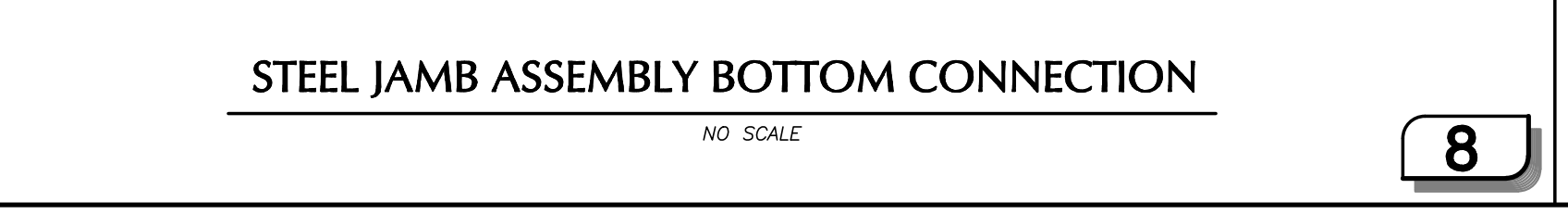
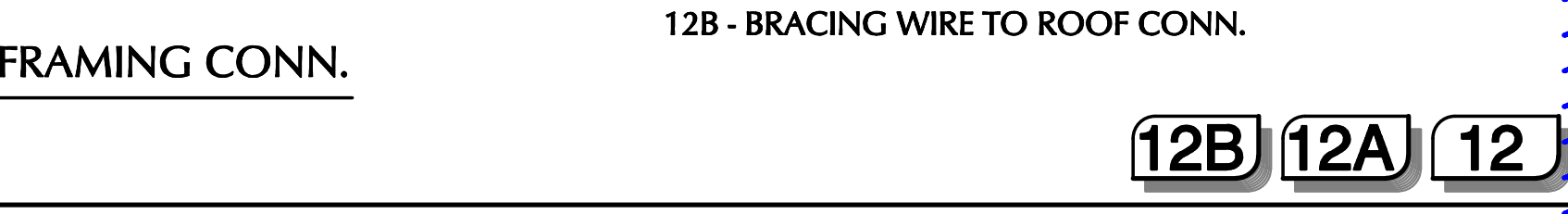
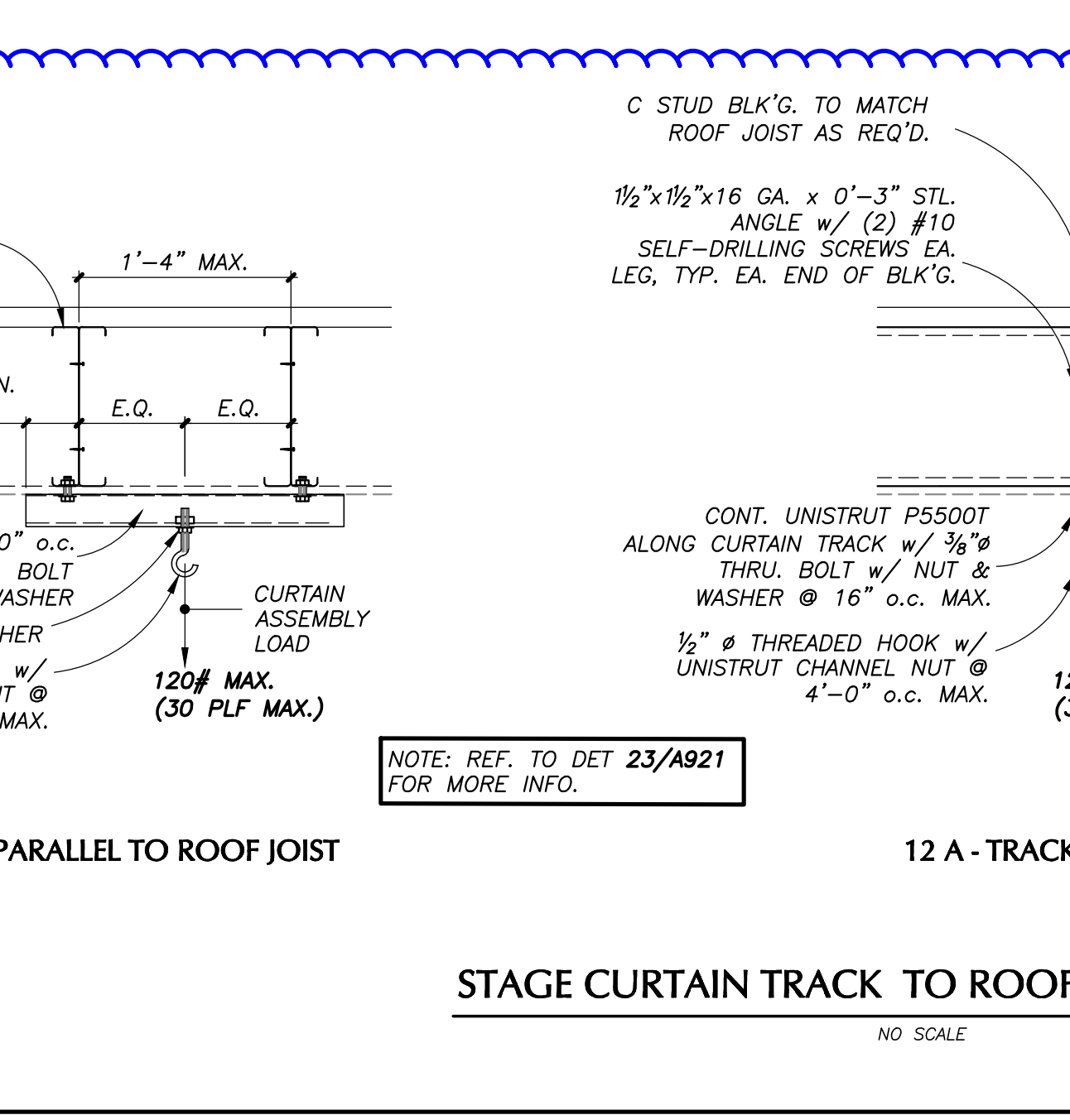
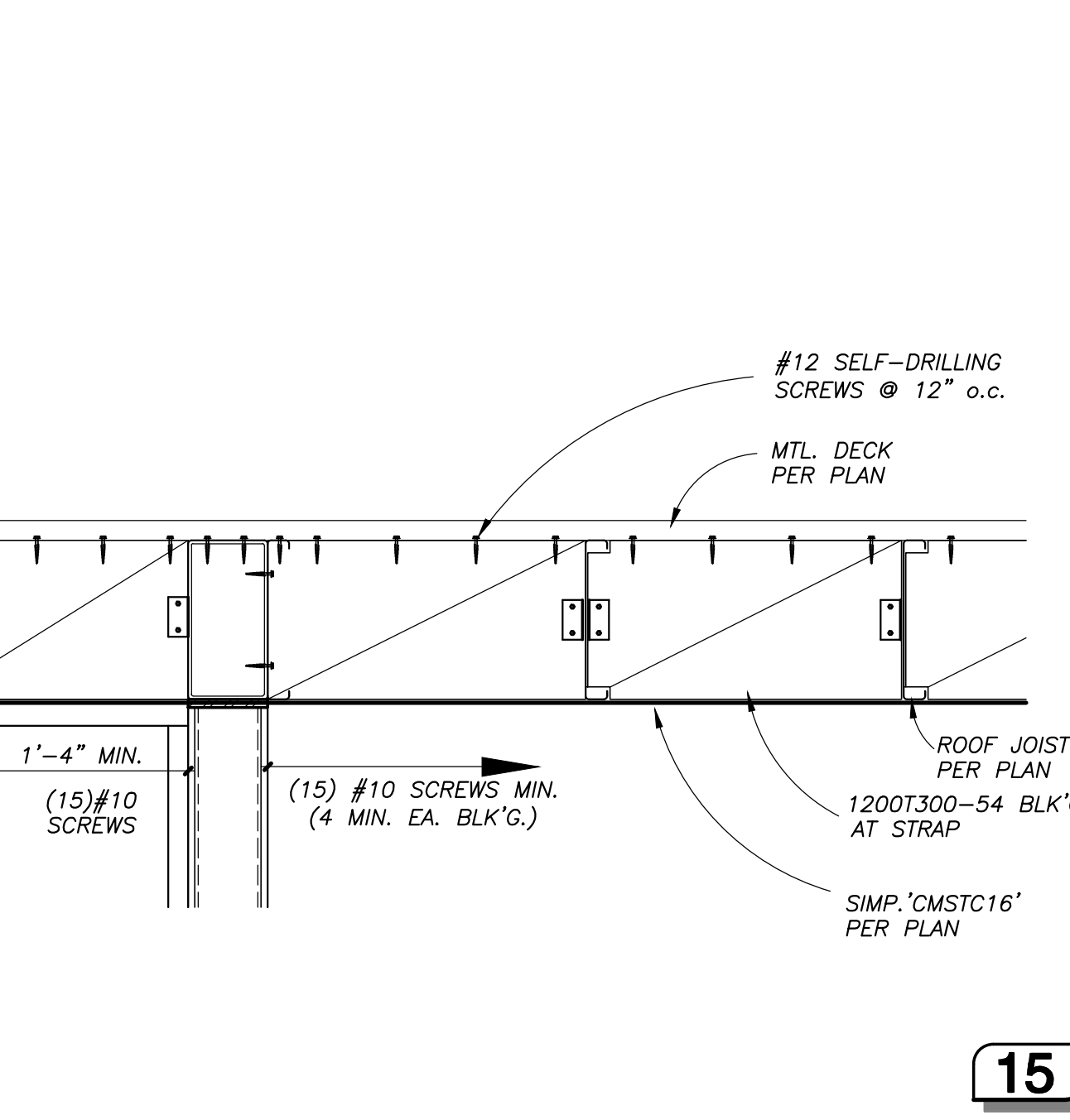
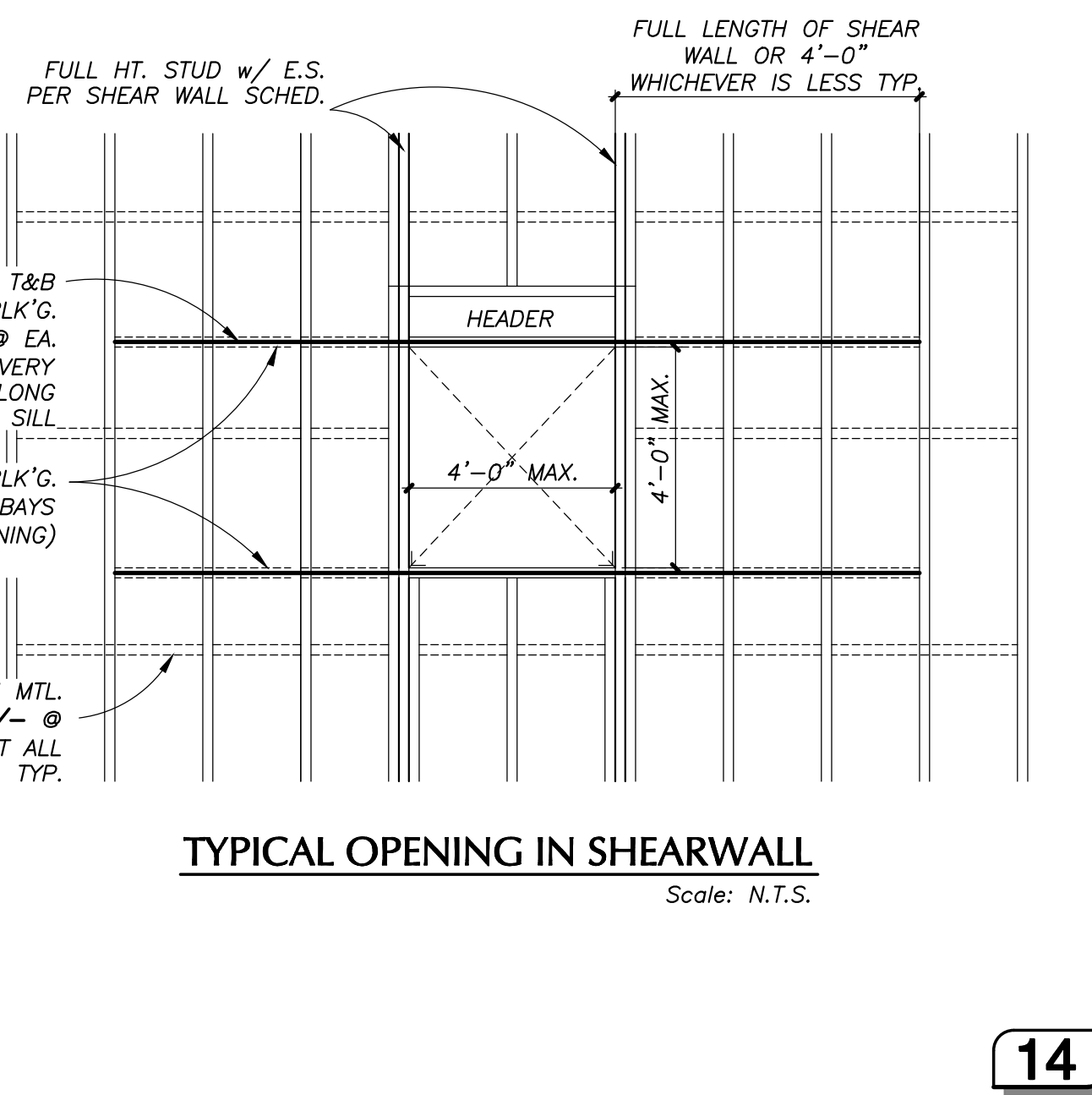
| NOMINAL SIZE**  | CATALOG SIZE** | SPACING (INCHES) | MAX. HEIGHT*** |
|---|----------------|------------------|----------------|
| <b>INTERIOR STUDS (NON-BEARING)</b>                       |                |                  |                |
| 6" x 20GA   | 600S162-33     | 16               | 17'-0"         |
| 6" x 18GA   | 600S162-43     | 16               | 24'-0"         |
| <b>EXTERIOR &amp; INTERIOR BEARING / SHEAR WALL STUDS</b> |                |                  |                |
| 6" x 14GA   | 600S162-68     | 16               | 17'-0"         |
| 6" x 12GA   | 600S162-97     | 16               | 24'-0"         |
| <b>TOP &amp; BOTTOM TRACKS</b>                            |                |                  |                |
| SEE FOOTNOTE #4   |                |                  |                |

NOTE:  
1. SIZE OF HEADERS AND JAM STUDS ON EA. SIDE OF OPENING ARE GOVERNED BY THE OPENING WIDTH, 'W'. REFER TO ELEVATION 1/50-106 FOR HEADER & JAM STUDS AT EXTERIOR & INTERIOR BEARING / SHEAR WALLS, TYP.  
2. REFER TO ELEVATION 1/5-103 FOR HEADER & JAM STUDS AT INTERIOR NON-BEARING WALLS, TYP.  
3. MTL. STUDS & TRACKS SCHEDULE ABOVE SHALL BE APPLIED UNLESS NOTED ON PLANS  
4. TOP & BOT. TRACKS SHALL BE 1 GA. GREATER THAN STUD, 12 GA. MAX.



| OPENING WIDTH, 'W' | FASTENERS TO HEADER          |
|--------------------|------------------------------|
| $\leq$ 4'-0"       | (6) #12 S.M.S. (3 EA. SIDE)  |
| $\leq$ 7'-0"       | (8) #12 S.M.S. (4 EA. SIDE)  |
| $\leq$ 10'-0"      | (12) #12 S.M.S. (5 EA. SIDE) |
| $\leq$ 16'-0"      | (16) #12 S.M.S. (8 EA. SIDE) |

**HEADER TO JAMB STUD FASTENERS**





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- CONSULTANTS
- CIVIL ENGINEER  
STANTEC CONSULTING SERVICES INC.  
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Santa Barbara, CA 93101  
TEL (805) 680-6830
  - LANDSCAPE ARCHITECT  
OASIS ASSOCIATES  
3427 Miguilho Court  
San Luis Obispo, CA 93401  
TEL (805) 541-4509
  - STRUCTURAL ENGINEER  
STORK, WOLFE & ASSOCIATES  
555 Chorro Street, Suite A1  
San Luis Obispo, CA 93405  
TEL (805) 544-8500
  - MECHANICAL ENGINEER  
BMA MECHANICAL +  
100 Cross Street, Suite 204  
San Luis Obispo, CA 93401  
TEL (805) 544-4269
  - ELECTRICAL ENGINEER  
THOMAS ENGINEERING  
3562 Empleo, Suite C  
San Luis Obispo, CA 93406  
TEL (805) 543-3850
  - FIRE PROTECTION ENGINEER  
BMA MECHANICAL +  
100 Cross Street, Suite 204  
San Luis Obispo, CA 93401  
TEL (805) 544-42-69

**STAGE PLAN NOTES :**

- REFER TO GENERAL NOTES SHEET S-001.
- COMPOSITE CONCRETE/METAL DECK FLOOR CONSTRUCTION SHALL CONSIST OF 2 1/2" 3,000 psi LIGHT WEIGHT CONCRETE REINFORCED WITH #3 BARS AT 18" o.c. EA. WAY AT MID. SLAB, OVER 2" x 18 GA. VERCO "PLW2 FORMLOK" METAL DECK (TOTAL THICKNESS = 4 1/2"). W/ 4 - 1/2" Puddle Welds PER PANEL (36/4 PATTERN) & SIDELAPS (VSC2) PUNCHLOK @ 24" o.c. PER TYP. DET. 2/S-105
- FLOOR DESIGN LOADS:  
DEAD LOAD = 40 psf  
LIVE LOAD = 150 psf
- SEE MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS IN FLOOR, CMU WALLS FOR DUCTS, ETC.
- UNLESS SPECIFICALLY NOTED ON THE PLANS, FLOOR SLABS OR CONC. WALLS SHALL NOT BE CORE-DRILLED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
- REFER TO TYP. DET. 3/S-102 FOR STL. BEAM TO STL. BEAM CONNECTION, TYP.
- REFER TO TYP. DETS. 7,8,&11/S-102 FOR STL. BEAM TO STL. COL. CONNECTION, TYP.

**FOUNDATION PLAN NOTES :**

- REFER TO GENERAL NOTES SHEET S-001.
- ALL FOOTINGS ARE CENTERED UNDER COLUMNS AND BEARING WALLS UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
- SEE ARCHITECTURAL PLANS FOR LOCATIONS OF ALL WALL OPENINGS, SLOPED AND DEPRESSED SLABS, CONCRETE CURBS, ADDITIONAL EMBEDDED ITEMS NOT SHOWN ON THESE DRAWINGS, VERIFY ALL BUILDING DIMENSIONS, SLOPES AND DEPRESSED SLAB DIMENSIONS WITH ARCHITECTURAL PLANS BEFORE BEGINNING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION.
- SEE GENERAL NOTES AND SPECIFICATIONS FOR SPECIAL GRADING REQUIREMENTS UNDER FOOTINGS.
- REFER TO TYP. DET. FOR MIN. EXTERIOR & INTERIOR METAL WALL STUD REQ'D. U.N.O. REFER TO SHEET S-103 FOR METAL WALL STUD ASSEMBLY & TYPICAL DETAILS.
- ALL DIMENSIONS SHOWN ARE TO EDGE OF CONCRETE SLAB, CENTER OF INTERIOR WALL OR CENTERLINE OF POST OR COLUMN. REFER TO ARCHITECTURAL PLANS FOR OTHER DIMENSIONS.
- FLOORS ARE 4" THICK CONCRETE SLAB-ON-GRADE UNLESS NOTED OTHERWISE ON THE DRAWINGS, AND SHALL BE REINFORCED WITH #4 BARS @ 18" O.C. EACH WAY @ MID. SLAB SUPPORTED ON MASONRY BLOCKS SPACED A MAXIMUM OF 4'-0" ON CENTER. THE SLAB SHALL BE UNDERLAIN WITH A MIN. 2" OF CRUSHED FINES OR ROCK DUST FIRMLY COMPRESSED OVER A CLASS 'A' MOISTURE BARRIER PLACED DIRECTLY ON THE COMPACTED SOIL MATERIAL. VAPOR BARRIER IS NOT REQ'D AT EXTERIOR CONC. SLAB.
- PLACE (2) #3x5'-0" DIAGONAL BARS AT ALL RE-ENTRANT CORNERS OF SLAB POUR EXCEPT AT THE CRACK CONTROL JOINTS.
- REFER TO TYP. DET. FOR CONC. SLAB CRACK CONTROL JOINTS (C.J.) GUIDELINE.

**STAGE & FOUNDATION PLAN KEYED NOTES :**

- CONC. SLAB-ON-GRADE PER FOUNDATION PLAN NOTES G.
- HSS5x5/4 STL. COL. TYP.
- CONC. FOOTING TYP.
- 600S162-68 MIN. @ 16" o.c. EXT. MTL. STUD WALL.
- 600S162-97 MIN. @ 16" o.c. EXT. MTL. STUD WALL.
- INTERIOR NON-BRG. METAL STUD WALL PER ARCH. REF. TO TYP. DET. FOR MORE INFO.
- 12" CMU WALL W/ (2) LAYERS OF #5 @ 8" o.c. EA. WAY, SPLIT FACE ON THE OUTSIDE, & PRECISION ON THE INSIDE. REF. TO ARCH. DRAWINGS FOR MORE INFO.
- 8 1/2" REINF. CONC. RET. WALL W/ #5 VERT @ 16" o.c. & #5 HORIZ @ 24" o.c. CENTERED WALL.
- PROVIDE SIMP. "CS16" COIL STRAP AT TOP & BOTTOM OF SHEAR WALL OPENING PER TYP. 14/S-106
- CONC. RAMP-ON-GRADE PER FOUNDATION PLAN NOTES G WITHOUT MOISTURE BARRIER.
- CONC. STAIRS PER TYP. DET.
- 1200S250-97 MIN. @ 12" o.c. OR 1400S250-97 MIN. @ 16" o.c. STAGE FLOOR FRAMING.
- CONC. STAIRS PER TYP. DET. 10/S-403
- HSS8x4 1/4 STL. COL. W/ BASE PL. TYPE BP-2 PER 4/S-105. REF. TO DET. 2/S-403 FOR MORE INFO.
- W12x22 @ 10'-0" o.c. MAX.
- L.W. CONC. SLAB OVER METAL DECK PER STAGE PLAN NOTES B
- HSS5x5/4 MIN. STL. COL. W/ BASE PL. TYPE BP-4 PER 4/S-105. REF. TO DET. 6/S-403 FOR MORE INFO.
- CONT. (2) #3
- HSS5x5/4 MIN. STL. COL. W/ BASE PL. TYPE BP-2 PER 4/S-105. REF. TO DET. 11/S-401 FOR MORE INFO.
- HSS5x5/4 MIN. STL. COL. W/ BASE PL. TYPE BP-6 PER 4/S-105. REF. TO DET. 6/S-403 SIM. FOR MORE INFO.
- (2)600S162-118 BACK TO BACK W/ #10 SMS @ 12" o.c. SHEAR WALL POST
- (2)600S162-97 BACK TO BACK W/ #10 SMS @ 12" o.c. SHEAR WALL POST
- CONC. FOOTING REINF. SHALL BE (6)#8 T&B MIN.
- HSS6x6 1/2 MIN. STL. COL. W/ BASE PL. TYPE BP-2 PER 4/S-105. REF. TO DET. 8/S-405 FOR MORE INFO.

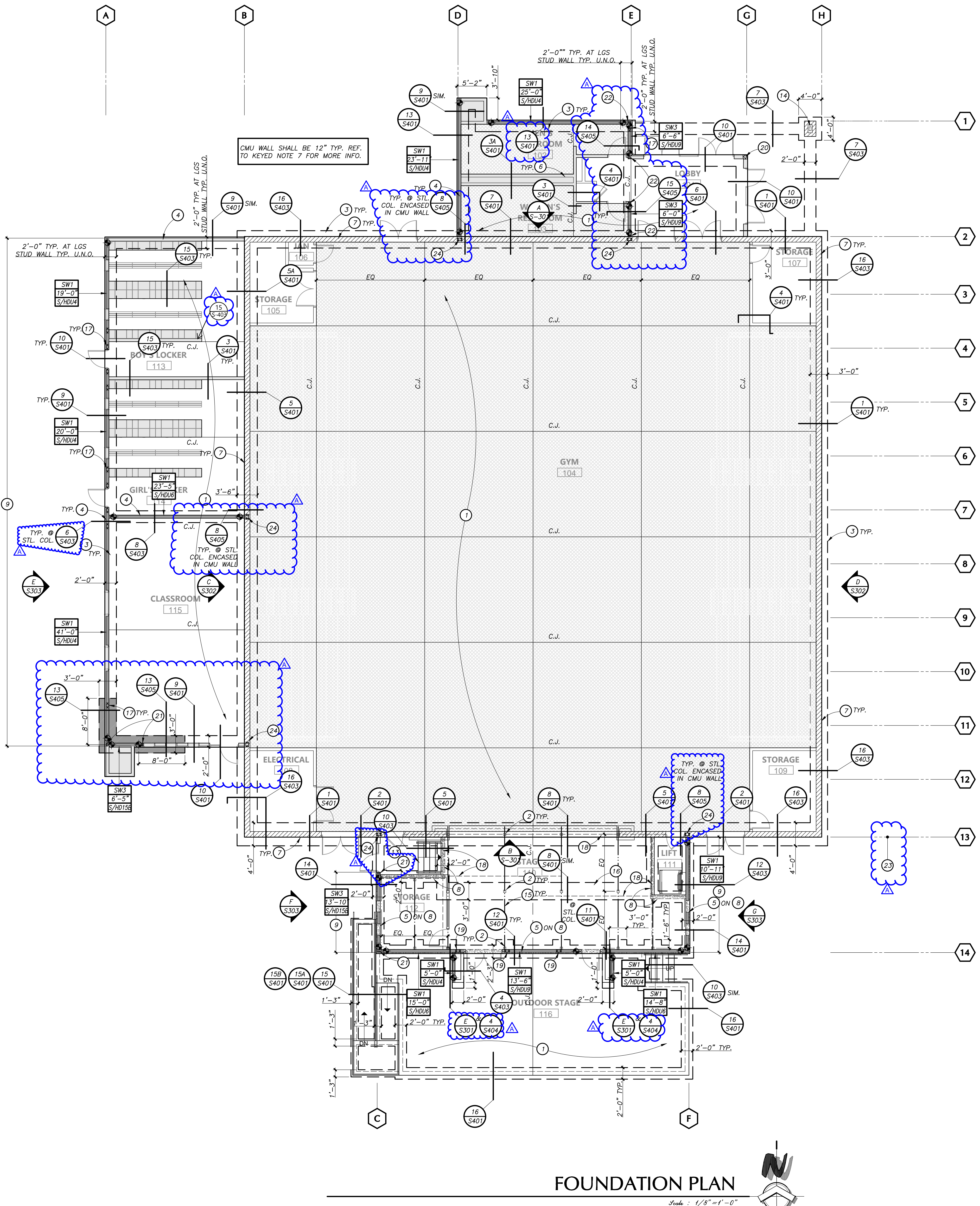
| Shear Wall Schedule (SW) |                     |                      |                                       |      |
|--------------------------|---------------------|----------------------|---------------------------------------|------|
| MARK                     | Sheathing Material  | Edge Screws          | Concrete Anchorage                    | Note |
| SW1                      | 7/16" STRUCT. 1 OSB | #10 SCREWS @ 6" O.C. | 3/8" x 7" MIN. EMBED. A.B. @ 48" o.c. | 1-10 |
| SW3                      | 7/16" STRUCT. 1 OSB | #10 SCREWS @ 3" O.C. | 3/8" x 7" MIN. EMBED. A.B. @ 32" o.c. | 1-10 |

Shear Wall Schedule Notes :

- Shear wall sheathing shall be A.P.A. rated OSB sheathing, Structural 1, exposure 1.
- Field screwing shall be #8, topping screws @ 12" o.c. unless noted otherwise.
- All panel edges shall be solid blocked with 600S162-43 MIN. framing member
- All screws referred shall be #10, lapping screws with minimum head diameter of 0.333" & in accordance with ASTM C1513.
- Holdowns as shown on the plan are by "Simpson". Refer to Typical Details for end studs and anchor installation guidelines.
- Provide 1/8" gap between plywood panel edges.
- Provide 3/8" from center line of nails to edge of stud, plate, and blocking.
- Indicates approximate locations of holdowns or straps. Refer to detail 4/S-103 & 12/S-102 for concrete anchorage. Refer to detail 3/S-103 for chord requirements.
- Provide 1/2" min. gap between plywood edge and concrete surface at sill plate.
- Ref. to detail 8/S-103 for typ. anchor bolt layout

Shaded region indicates shear wall

SW1 → Indicates shearwall type designation per schedule  
9'-4" → Indicates approximate shearwall length  
S/HD04 → Indicates strap or holdown each end of shear wall



**FOUNDATION PLAN**

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

PROJECT OWNER & TITLE  
**ORCUTT UNION SCHOOL DISTRICT**  
500 Dyer Street  
Orcutt, CA 93455

**ORCUTT ACADEMY HS MUR BUILDING**  
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Orcutt, CA 93455

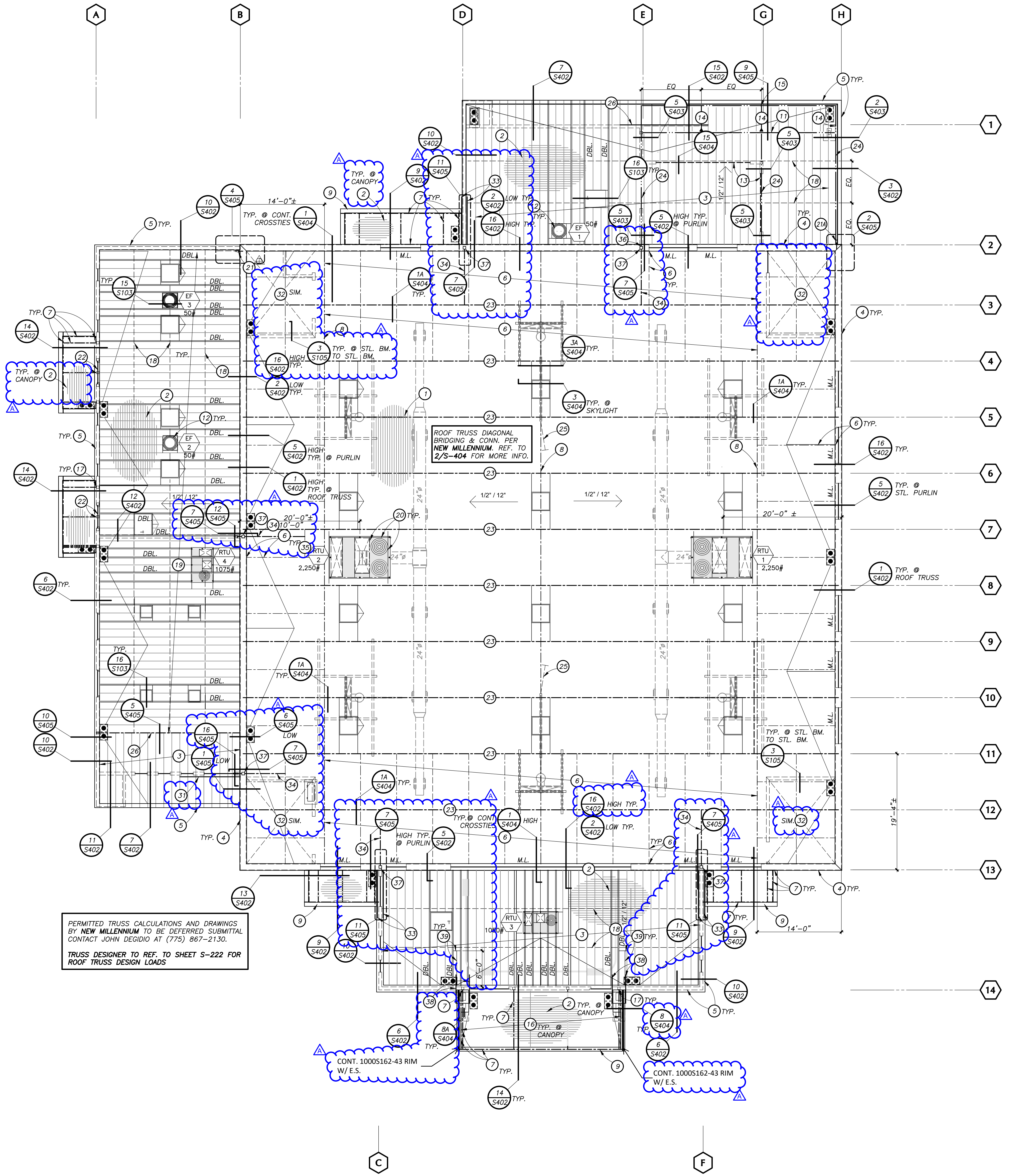
**FOUNDATION PLAN**

DRAWN BY: VB JOB NUMBER: 21025

SHEET NO.

**S-201**

DATE: MARCH 23, 2022



PERMITTED TRUSS CALCULATIONS AND DRAWINGS BY NEW MILLENNIUM TO BE DEFERRED SUBMITTAL CONTACT JOHN DEGIDIO AT (775) 867-2130. TRUSS DESIGNER TO REF. TO SHEET S-222 FOR ROOF TRUSS DESIGN LOADS

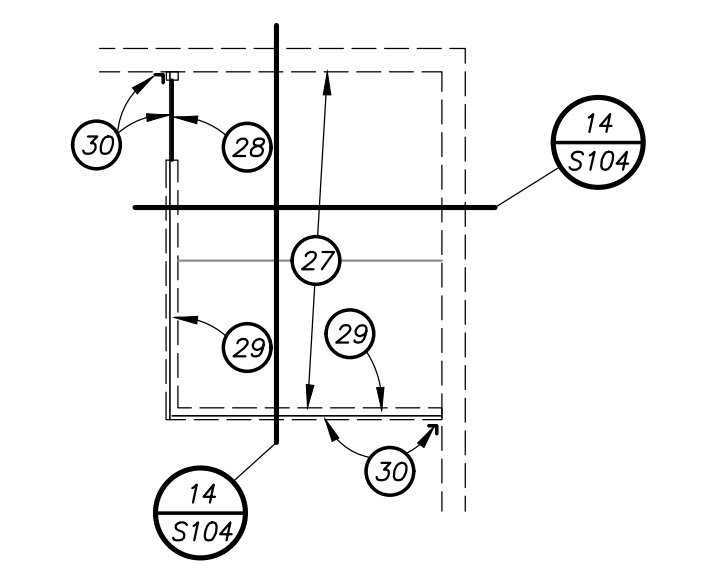
**ROOF FRAMING PLAN NOTES :**

- A. REFER TO GENERAL NOTES SHEET S-001.
- B. HIGH ROOF METAL DECK TO BE VERSA-DEK 5 ES ACOUSTICAL OR EPICORE ER2RA 18 GA. GALV. W/ (4) 3/4" ARC PUDDLE WELDS PER PANEL (24"4" PATTERN) & 2" FILLET WELDS @ 24" o.c. AT ALL SIDE SEAMS PER TYP. DET. 6/S-104.
- C. LOW ROOF METAL DECK TO BE VERCO "PLB-36" 18 GA. GALV. W/ (4) #12 SELF DRILLING, SELF TAPPING PER PANEL (36"4" PATTERN) & SIDELAPS (VSC2) PUNCHLOK @ 24" o.c. PER TYP. DET. DESIGN LOADS:  
DEAD LOAD = 17 psf  
LIVE LOAD = 20 psf (UNREDUCED LL)
- E. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF STEEL BEAMS, LOCATIONS OF RECESSED DRAIN PANS, HATCHES AND OTHER MISCELLANEOUS ITEMS. COORDINATE WITH FRAMING.
- F. M.L. INDICATES CMU LINTEL. REF. TO DET. 10/S-102

**ROOF FRAMING PLAN KEYED NOTES :**

- 1 ROOF METAL DECK PER PLAN NOTE B, TYP.
- 2 ROOF METAL DECK PER PLAN NOTE C
- 3 1200S162-68 @ 16" o.c. ROOF JOISTS
- 4 12" REINF. CMU PARAPET
- 5 6" MTL. STUD PARAPET
- 6 C4x7.25 PURLIN @ 6'-0" o.c. MAX. OR IN BETWEEN ROOF TRUSSES. CONNECT TO CMU WALL PER PER 5/S-402 TYP.
- 7 HSS12x2x1/4 MIN. CANOPY FRAMING U.N.O.
- 8 C4x7.25 CROSS-TIES FR. GRIDLINE 2 TO GRIDLINE 13 ( 3 LOCATIONS @ 36'-0" o.c. MAX.)
- 9 CANOPY PER ARCH.
- 10 STL. COL. BELOW. REF. TO FOUNDATION PLAN
- 11 HSS12x8x1/2 STL. BEAM FLUSHED
- 12 EXHAUST FAN PER MECH. DRAWINGS
- 13 LGS HEADER PER TYP. DET. 2/S-103
- 14 CANT. HSS12x4x1/4 @ 8'-0" o.c. MAX. (3 TOTAL)
- 15 HSS12x3x1/4 FASCIA
- 16 1000S162-43 @ 24" o.c. ROOF FRAMING
- 17 CONN. HSS BEAM TO HSS COL. PER DET. 8/S-105, TYP.
- 18 18GA. BLK'G. x FULL DEPTH @ EQUAL SPACING. REF. TO DET. 14/S-103, TYP.
- 19 1200S162-97 @ 16" o.c. ROOF JOISTS
- 20 C4x7.25 BLK'G. AT MECH. UNITS, TYP. REF. TO DET. 9/S-104 FOR UNIT TO ROOF FRAMING ATTACHMENT, TYP.
- 21 5/HDU4 REF. TO 4/S-405. REF. TO 2/S-405 AT (21)
- 22 HSS5x5x1/4 STL. HEADER / COL. REF. TO 8/S-105 FOR CONN.
- 23 PRE-FABRICATED STEEL TRUSSES @ 9'-4" o.c. MAX. TO BE DEFERRED
- 24 HSS12x6x1/4 STL. BEAM W/ E.S.
- 25 C4X7.25 DIAG. BRACE PER 12/S-404
- 26 SIMP. CMSTC16 x 10'-0"
- 27 CEILING FRAMING PER 12/S-103
- 28 HEADER PER 2/S-103
- 29 METAL STUD PER 11/S-106
- 30 CONT. 600T200-68 RIM W/ 1-1/2"x1-1/2"x16 GA. x 0'-4" CLIP ANGLE W/ (2) 3/8" x 2" MIN. EMBED. SIMP. TITEN TURBO SCREWS TO CMU (APMO ER-716). REF. TO DET. 14/S-104 FOR MORE INFO.
- 31 (2) SIMP. CS14 x 8'-0" MIN. BLW. METAL DECK & ABV. DBL. BLK'G. PER DETAIL 16/S-405
- 32 CEILING FRAMING AT STORAGE & ELECTRICAL ROOMS. REF. TO CEILING FRAMING PLAN BELOW & ARCH. DRAWINGS FOR MORE INFO.

**CEILING FRAMING PLAN AT STORAGE & ELECTRICAL ROOMS**



- 33 (2) SIMP. CS14 x 8'-0" MIN. PER DETAIL 11/S-405
- 34 HSS4x4x1/4 BLK'G. CENTERED STL. COL. PER DETAIL 7/S-405 AT HIGH ROOF TYP.
- 35 C4x7.25 BLK'G. REF. TO DET. 3/S-404 FOR CONN. TO STL. TRUSS TOP CHORD, TYP.
- 36 LOW ROOF STL. BEAM TO STL. COL. CONN. PER 8/S-105
- 37 STL. COL. REF. TO FOUNDATION PLAN FOR SIZE
- 38 CS14 x 4'-0" MIN. EA. SIDE W/ (12) #10 SMS. (8 SCREWS TO WALL BLK'G. & 8 SCREWS TO ROOF JOIST). REF. TO E/S-301 FOR MORE INFO.
- 39 ROOF JOIST x 6'-0" MIN. & BLK'G. TO MATCH ROOF JOIST. REF. TO 10/S-402 FOR BLK'G. TO ROOF JOIST CONN. TYP.



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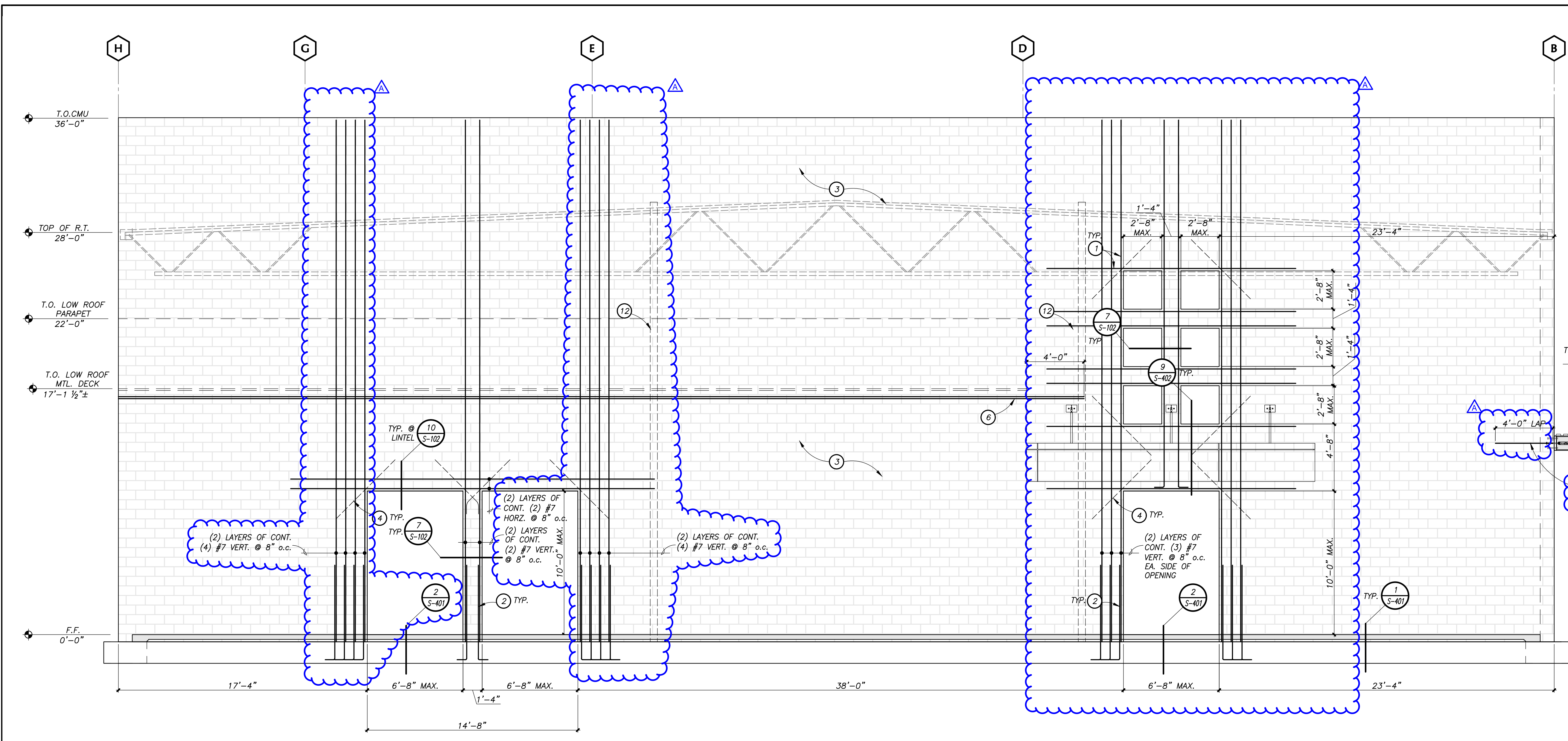
PROJECT OWNER & TITLE  
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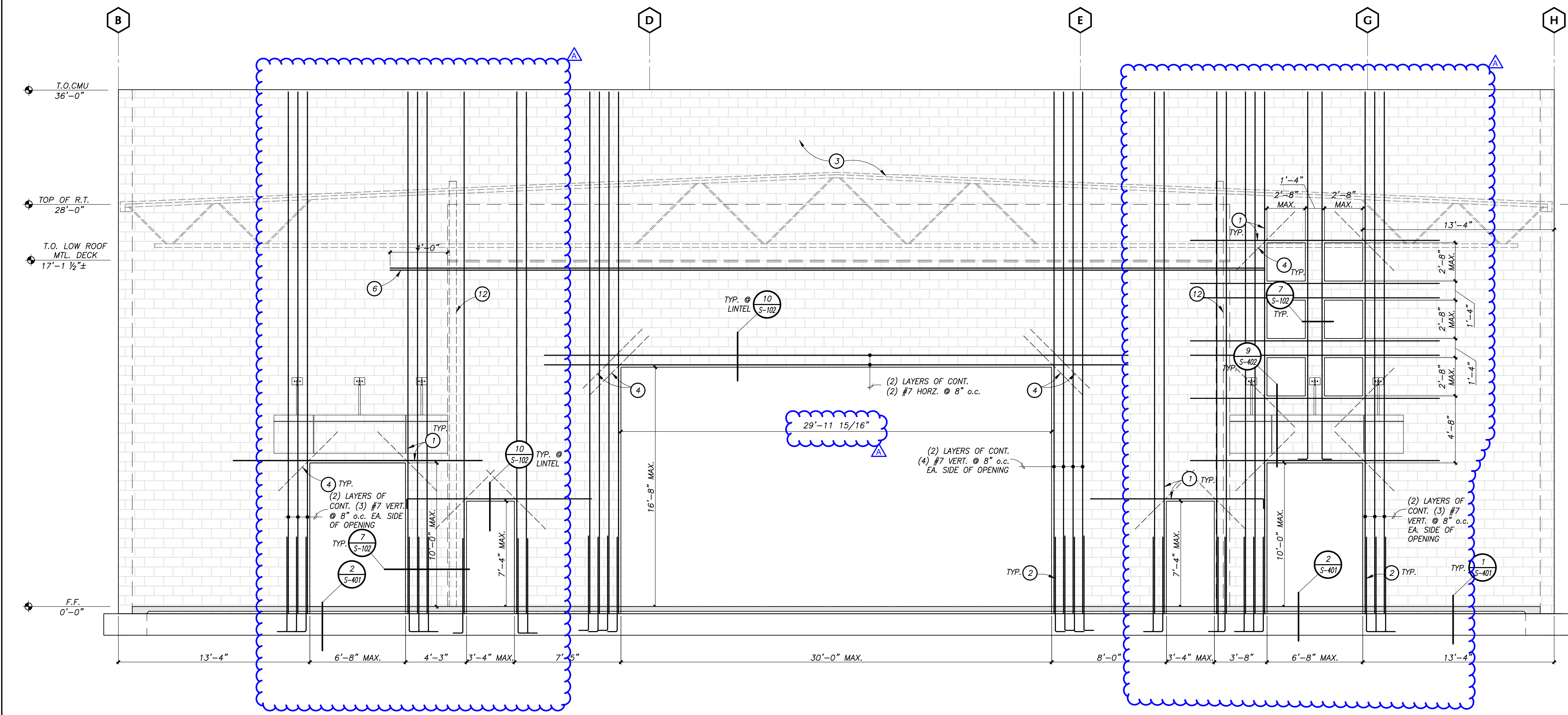
**ROOF FRAMING PLAN**

DRAWN BY: VB JOB NUMBER: 21025

SHEET NO.  
**S-221**  
DATE: MARCH 23, 2022



**A** LINE '2' NORTH ELEVATION  
SCALE: 1/4" = 1'-0"



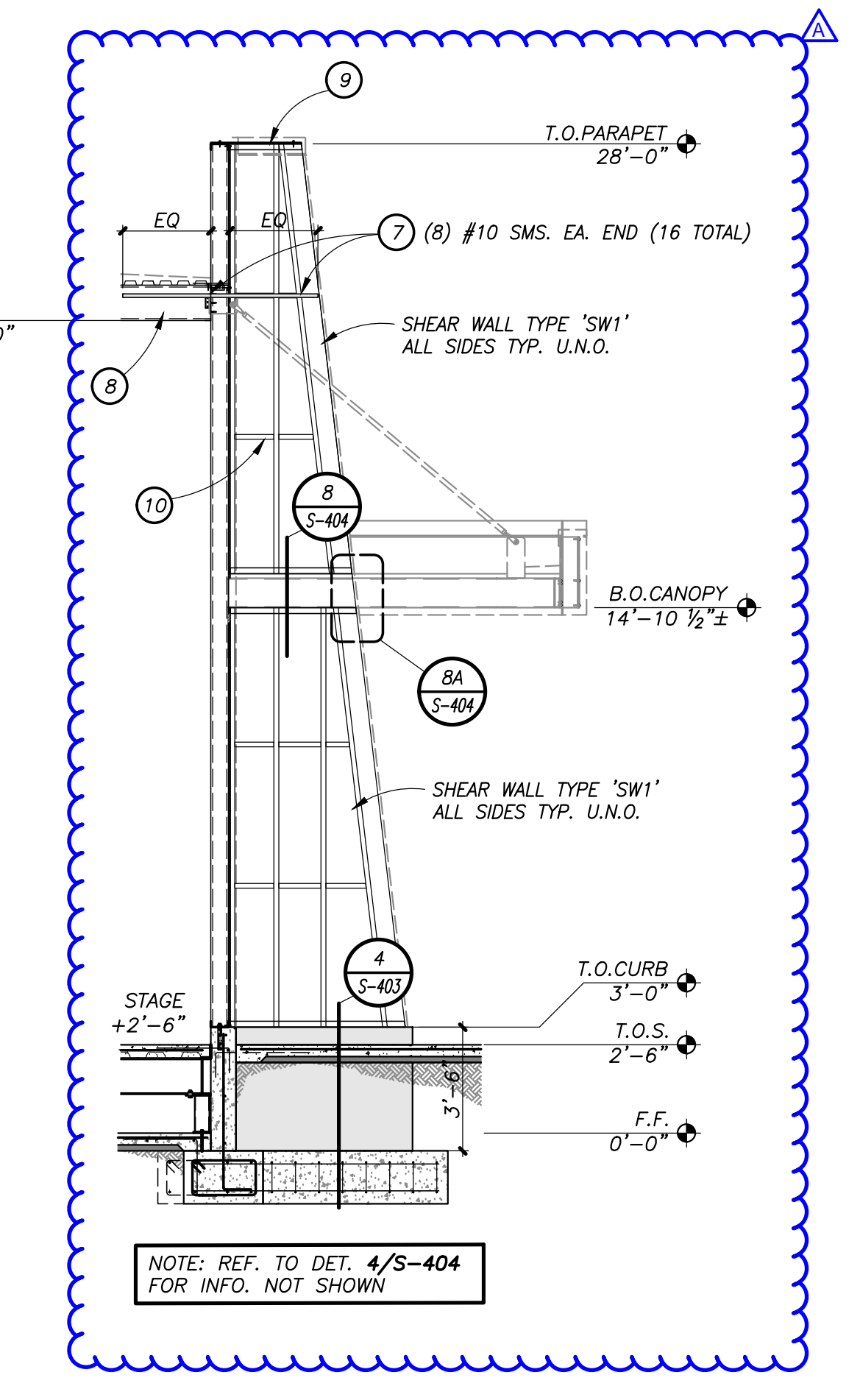
**B** LINE '13' SOUTH ELEVATION  
SCALE: 1/4" = 1'-0"

**ELEVATION NOTES :**

A. SIZES & LOCATIONS OF OPENINGS ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFO.

**KEYED NOTES :**

- 1 REINFORCING AROUND OPENING PER TYP. DETAIL 6/S-102
- 2 DOWELS PER DET. 6/S-102
- 3 12" CMU WALL. REF. TO PLANS FOR TYP. REINFORCING
- 4 DIAG. BRACES AT OPENING CORNER PER 6/S-102. REF. TO WALL ELEVATION FOR MORE INFO.
- 5 DBL. BLK'G. BACK TO BACK w/ SIMP. S/HDU6 PER 4/S-405
- 6 CONT. (2) #5 AT LOW ROOF ANCHORAGE
- 7 SIMP. CS'4" x 3'-0" O/P PLY. SHT'G. O/ C STUD BLK'G. PENETRATING THRU. LEDGER
- 8 PROVIDE ROOF JOIST x 6'-0" LONG MIN. PER PLAN w/ E.S. & ALIGN IT WITH FACE OF WALL STUD SHT'G. BEYOND FOR CS STRAP CONNECTION
- 9 1/2" PLY. SHT'G. w/ #10 SCREWS @ 6" o.c. B.N.
- 10 C STUD BLK'G. @ 4'-0" o.c. PER 2/S-106
- 11 #4 BENT 180° CENTERED S/HDU
- 12 STL. COL. PER FOUNDATION PLAN



**E** SECTION AT OUTDOOR STAGE  
SCALE: 1/4" = 1'-0"



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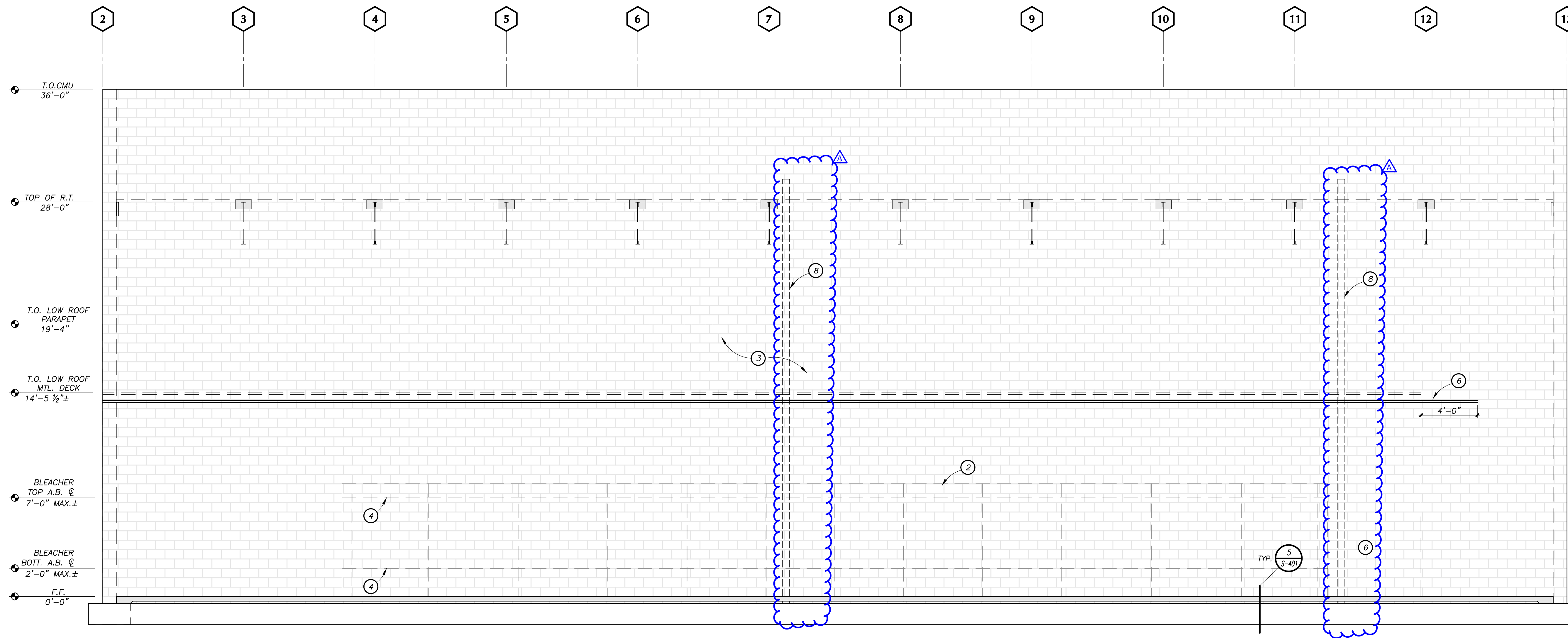
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**ORCUTT ACADEMY HS MUR BUILDING**  
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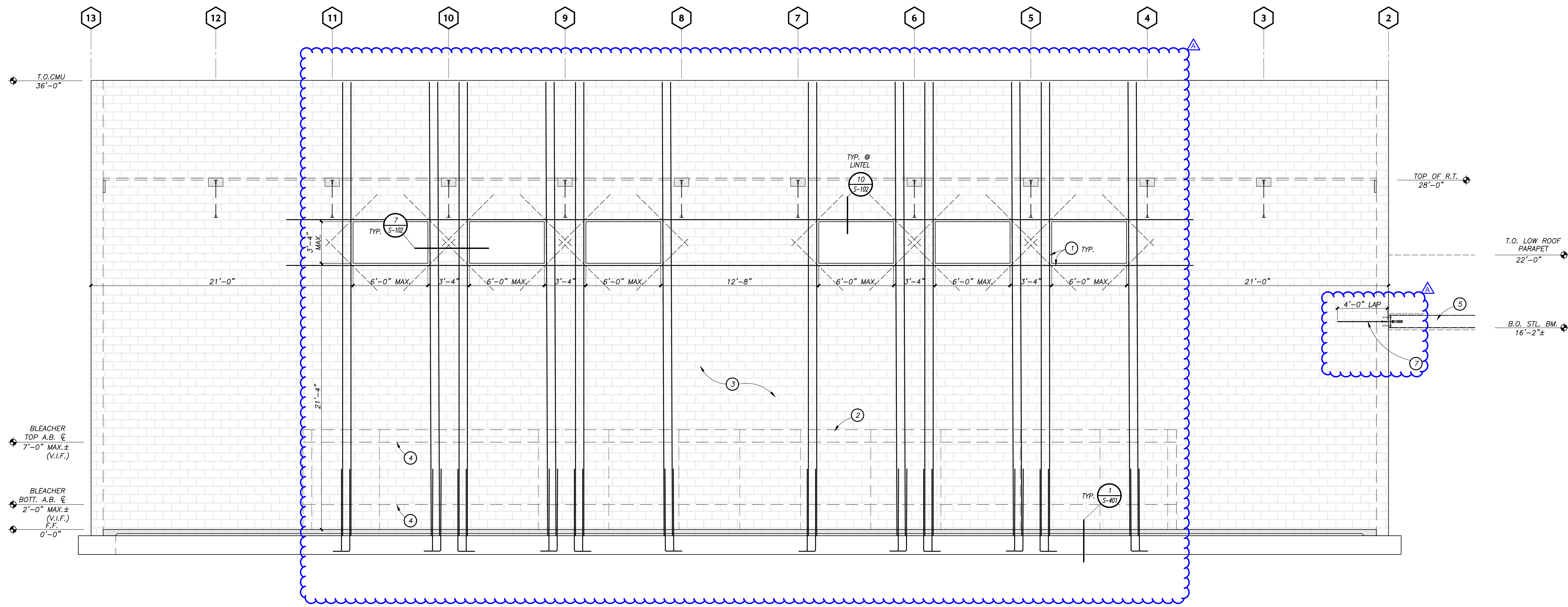
SHEET TITLE  
**CMU WALL ELEVATIONS**

DRAWN BY: VB JOB NUMBER: 21025

SHEET NO.  
**S-301**  
 DATE: MARCH 23, 2022



**C** LINE 'B' WEST ELEVATION  
SCALE: 1/4" = 1'-0"



**D** LINE 'H' EAST ELEVATION  
SCALE: 1/4" = 1'-0"

**ELEVATION NOTES :**  
A. REFER TO ARCHITECTURAL DRAWINGS FOR SIZES AND LOCATIONS OF OPENINGS

- KEYED NOTES :**
- 1 REINFORCING AROUND OPENING PER TYP. DETAIL 6/S-102
  - 2 BLEACHERS PER ARCH. DRAWINGS. REF. TO BLEACHER SHOP DRAWINGS FOR MORE INFO.
  - 3 12" CMU WALL. REF. TO PLANS FOR TYP. REINFORCING
  - 4 BLEACHER UPPER & LOWER ATTACHMENT PER BLEACHER SHOP DRAWINGS SHEET DT02
  - 5 STL. BEAM w/ SIMP. S/HDUB PER 2/S-405
  - 6 CONT. (2) #5 AT LOW ROOF ANCHORAGE
  - 7 #4 BENT 180° CENTERED S/HDU
  - 8 STL. COL. PER FOUNDATION PLAN



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CONSULTANT STAMP: No. 4981, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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SHEET TITLE  
**CMU WALL ELEVATIONS**

DRAWN BY: VB JOB NUMBER: 21025

SHEET NO.  
**S-302**

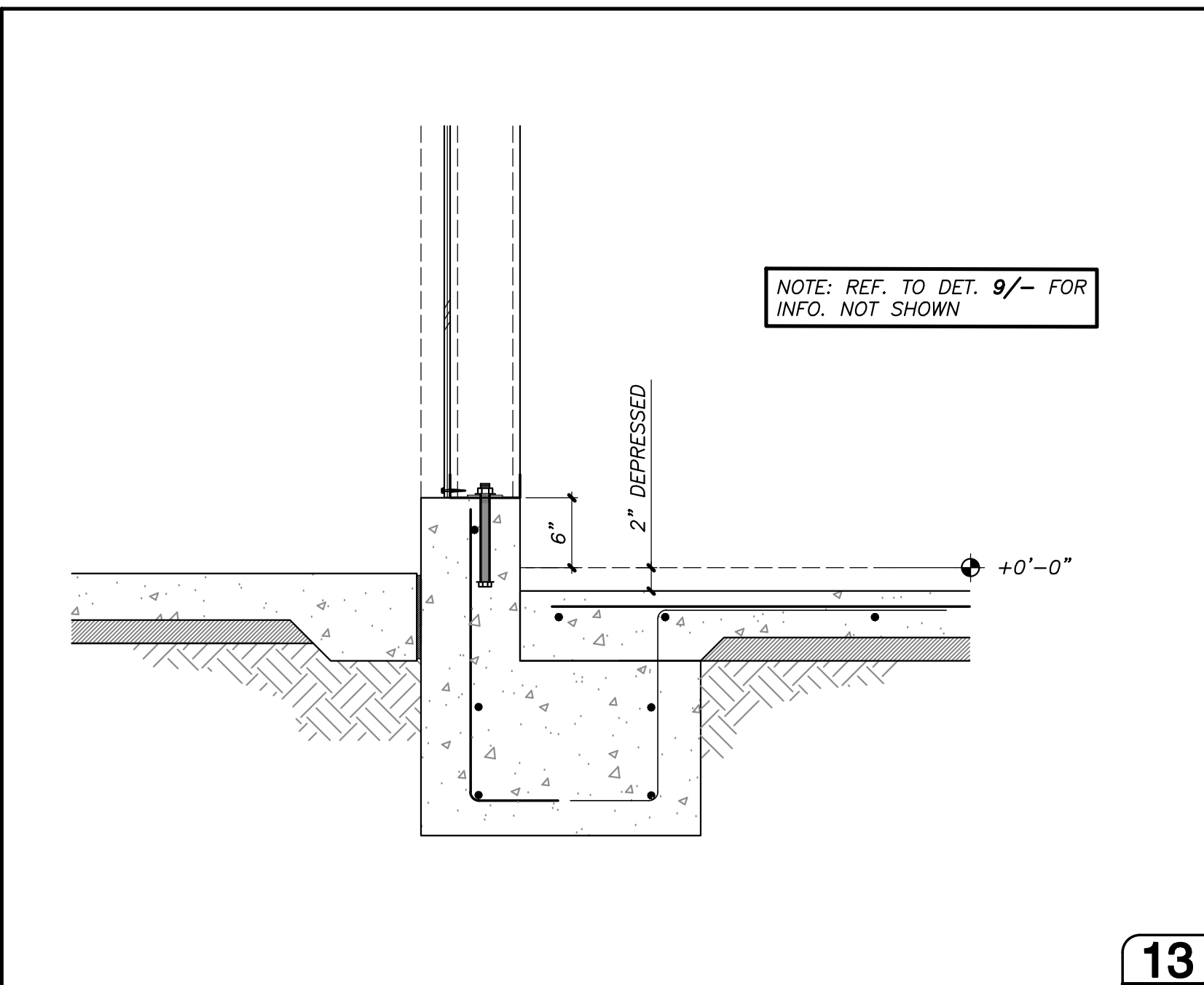
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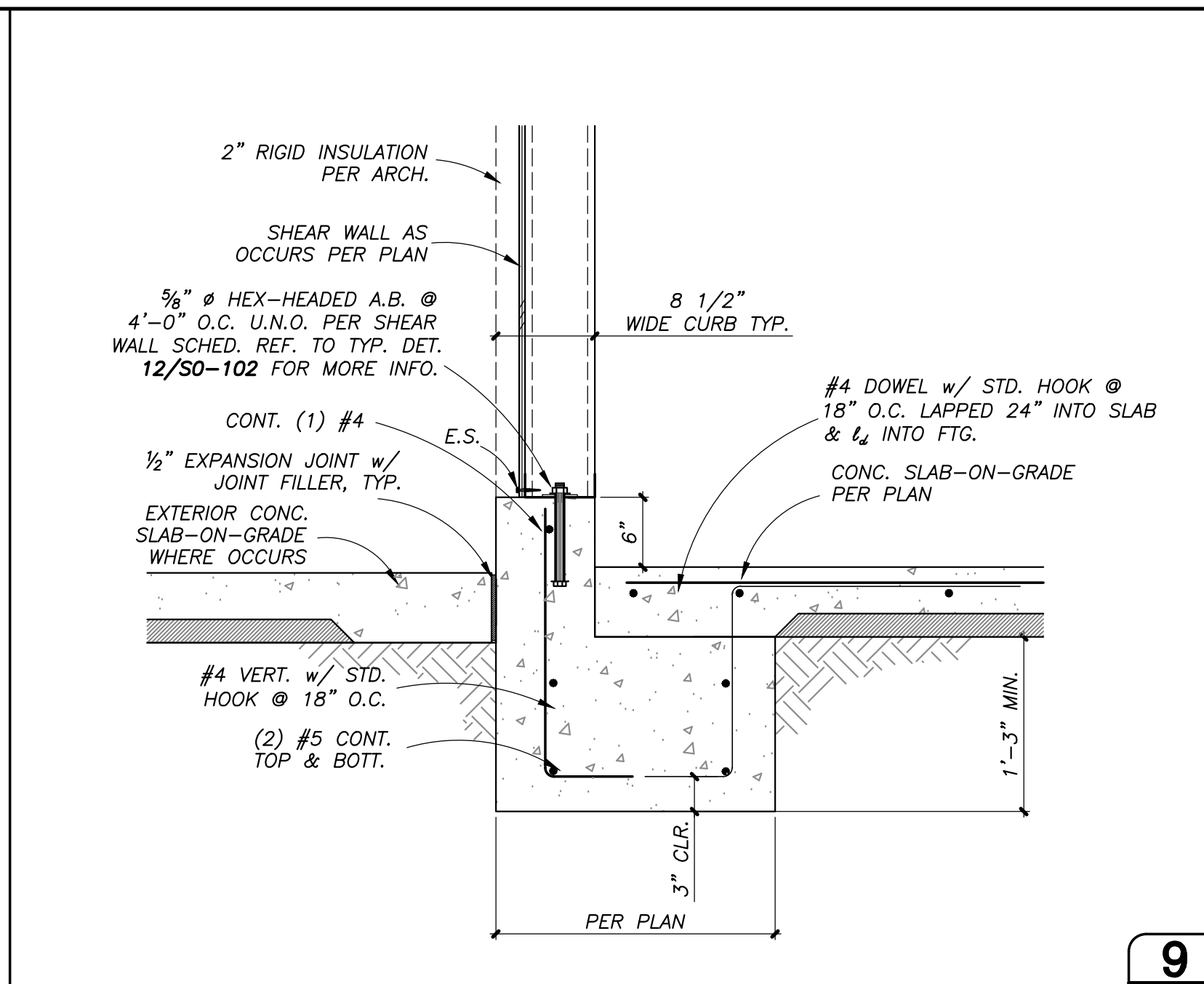


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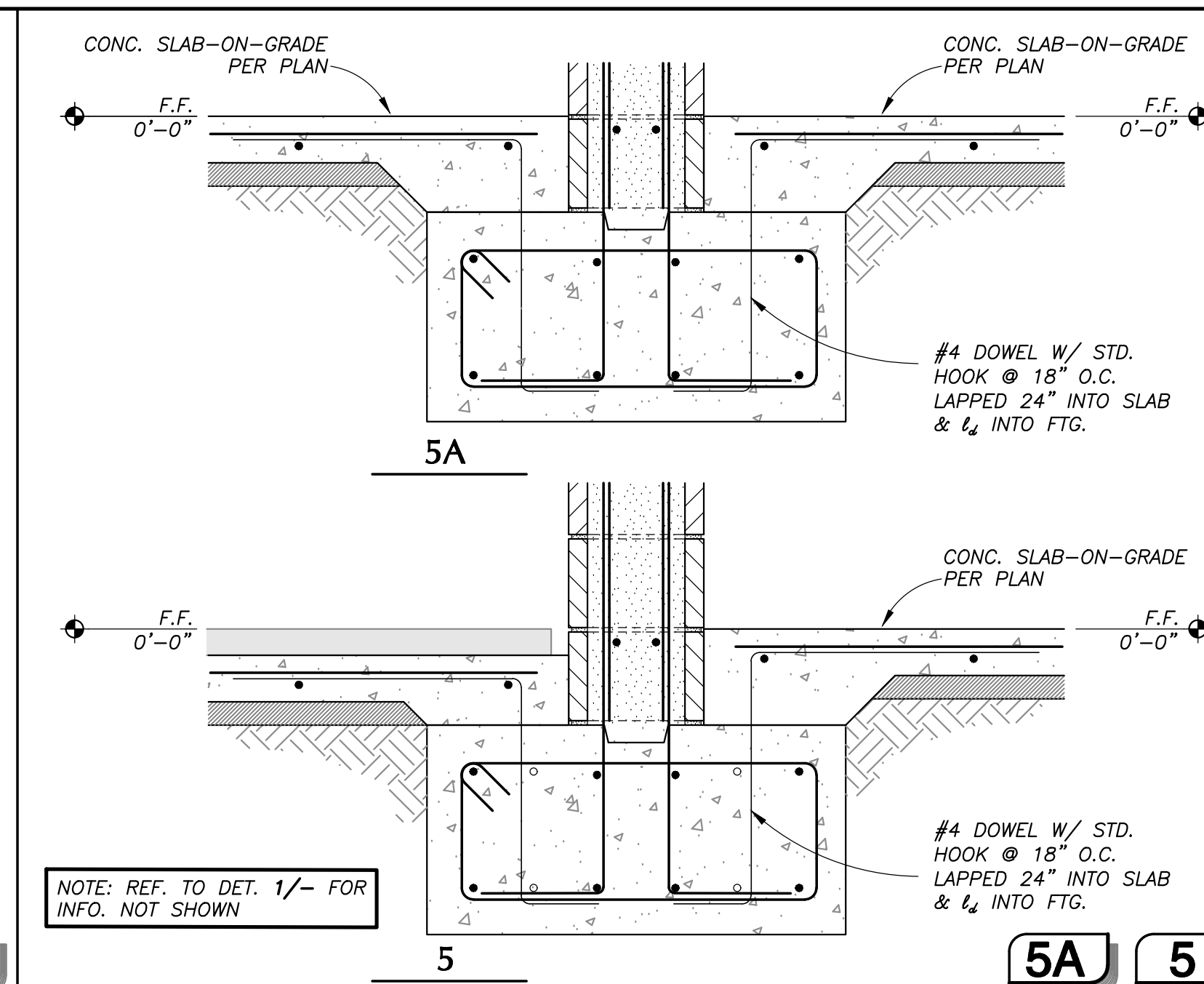
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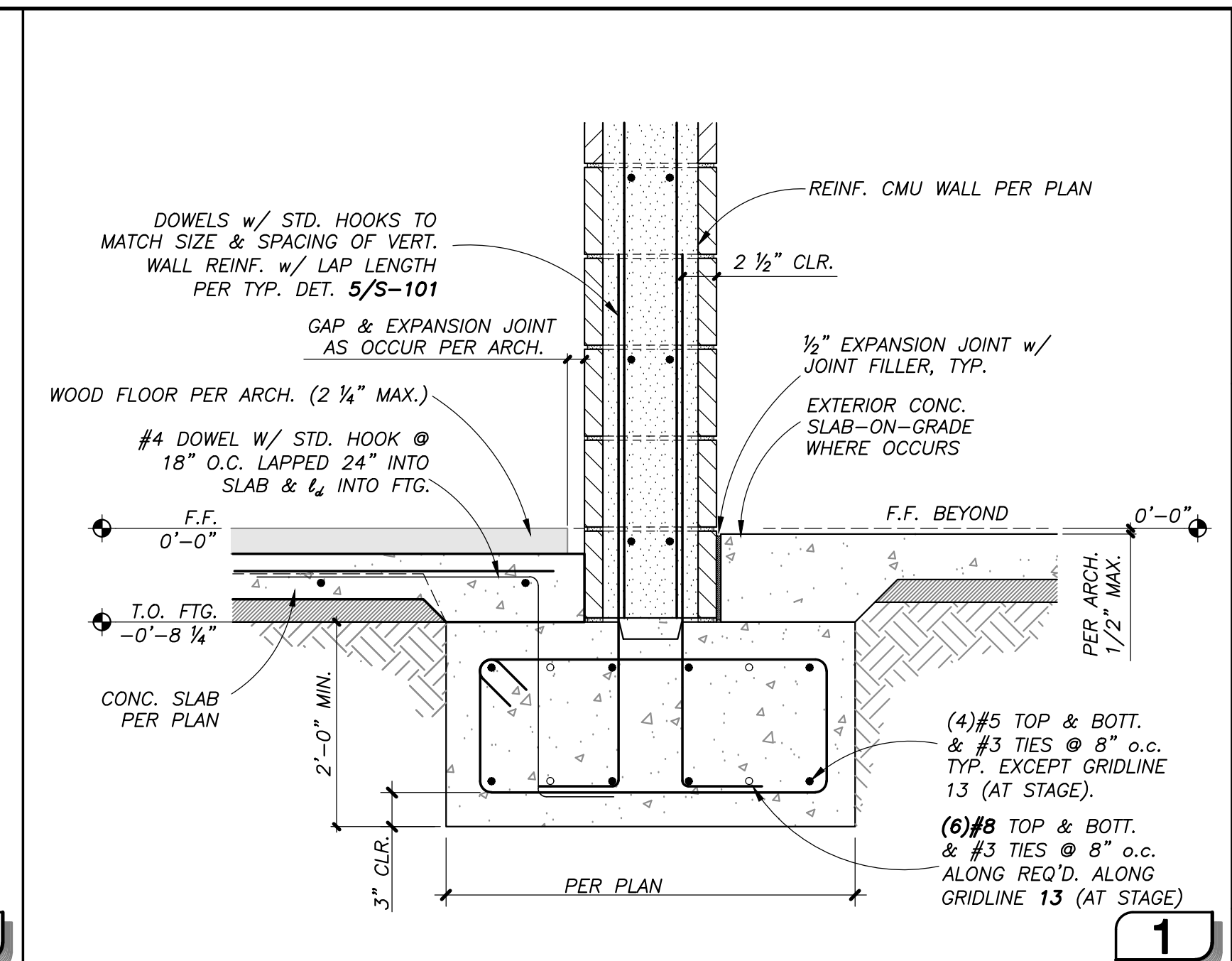
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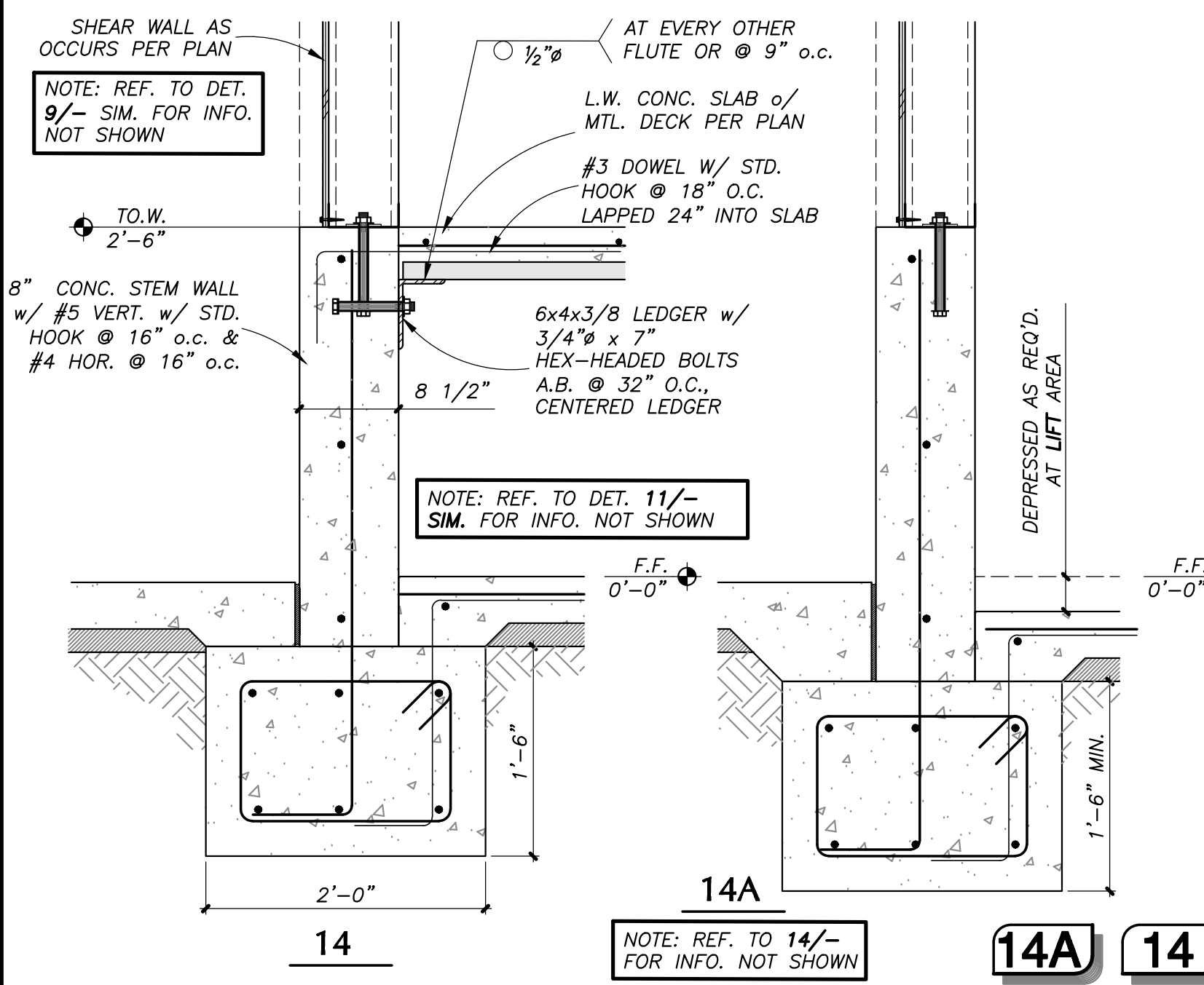
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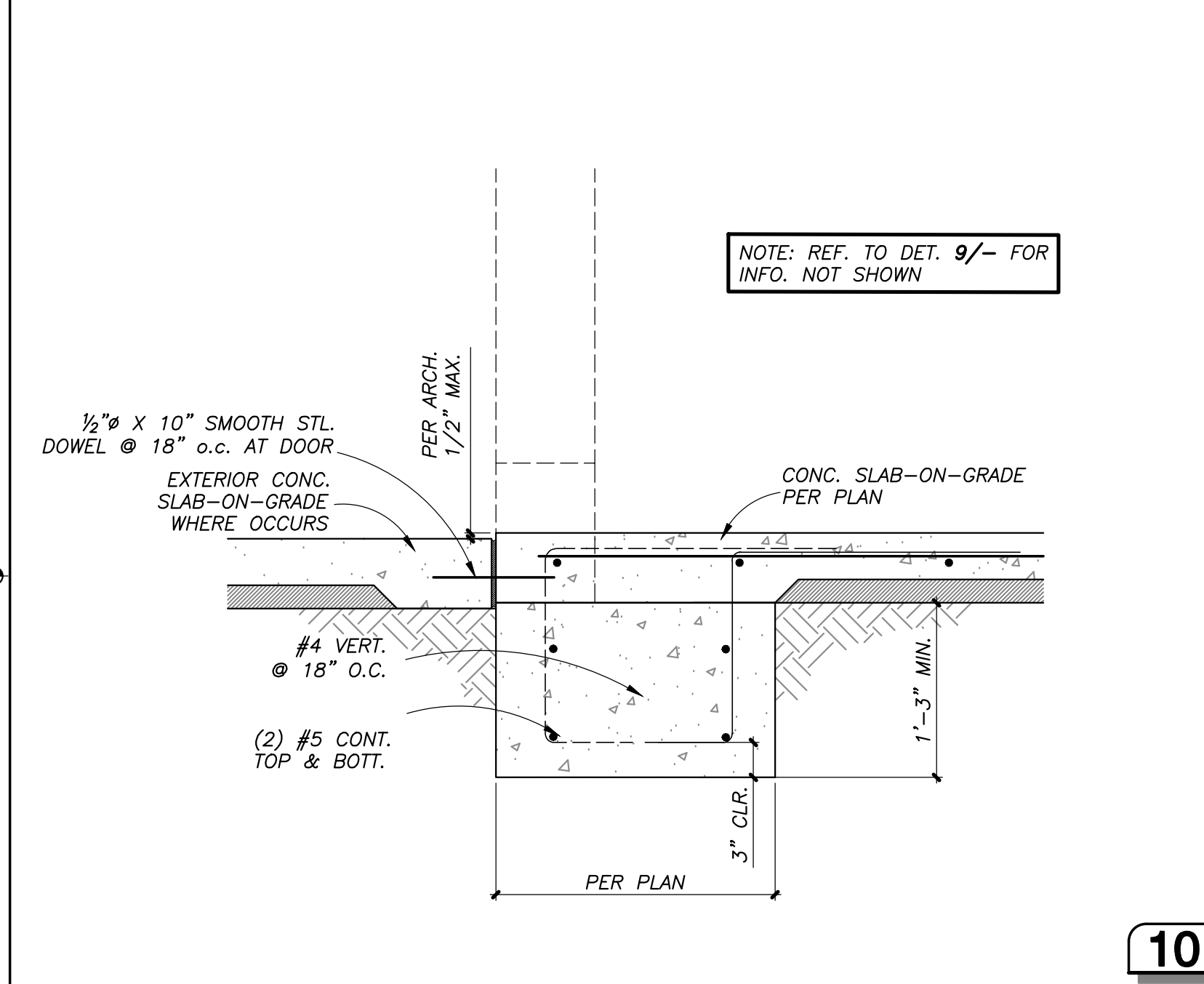
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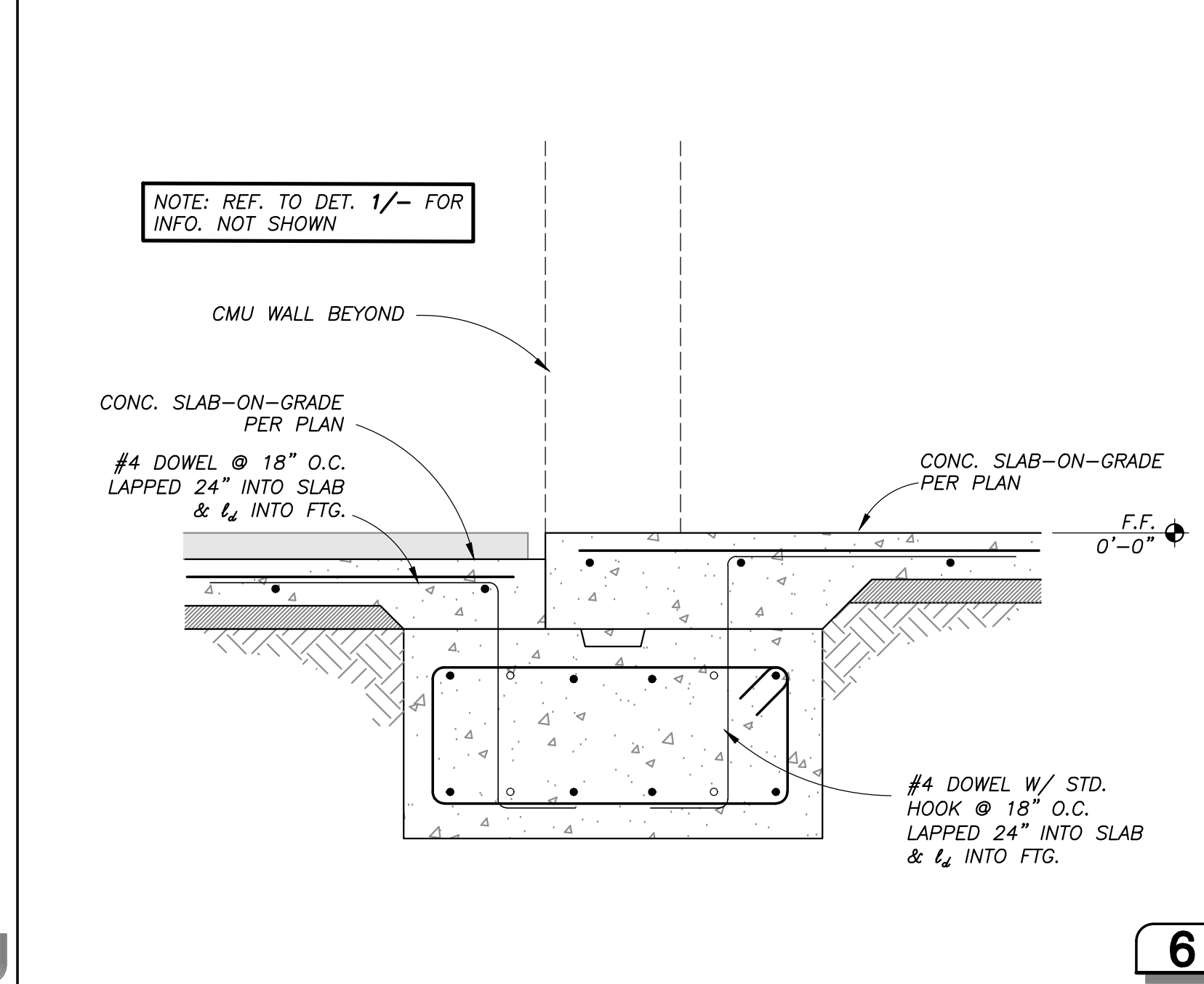
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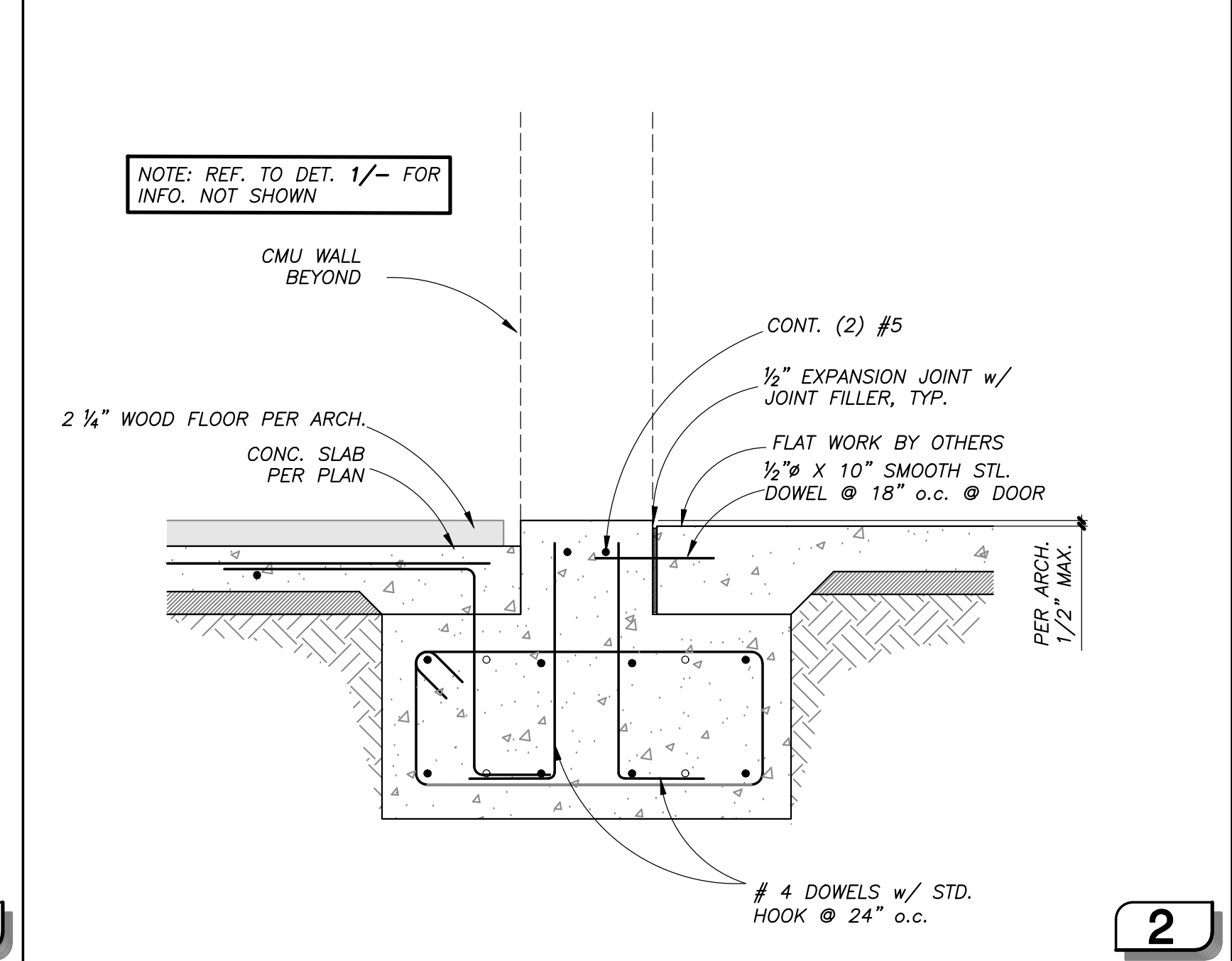
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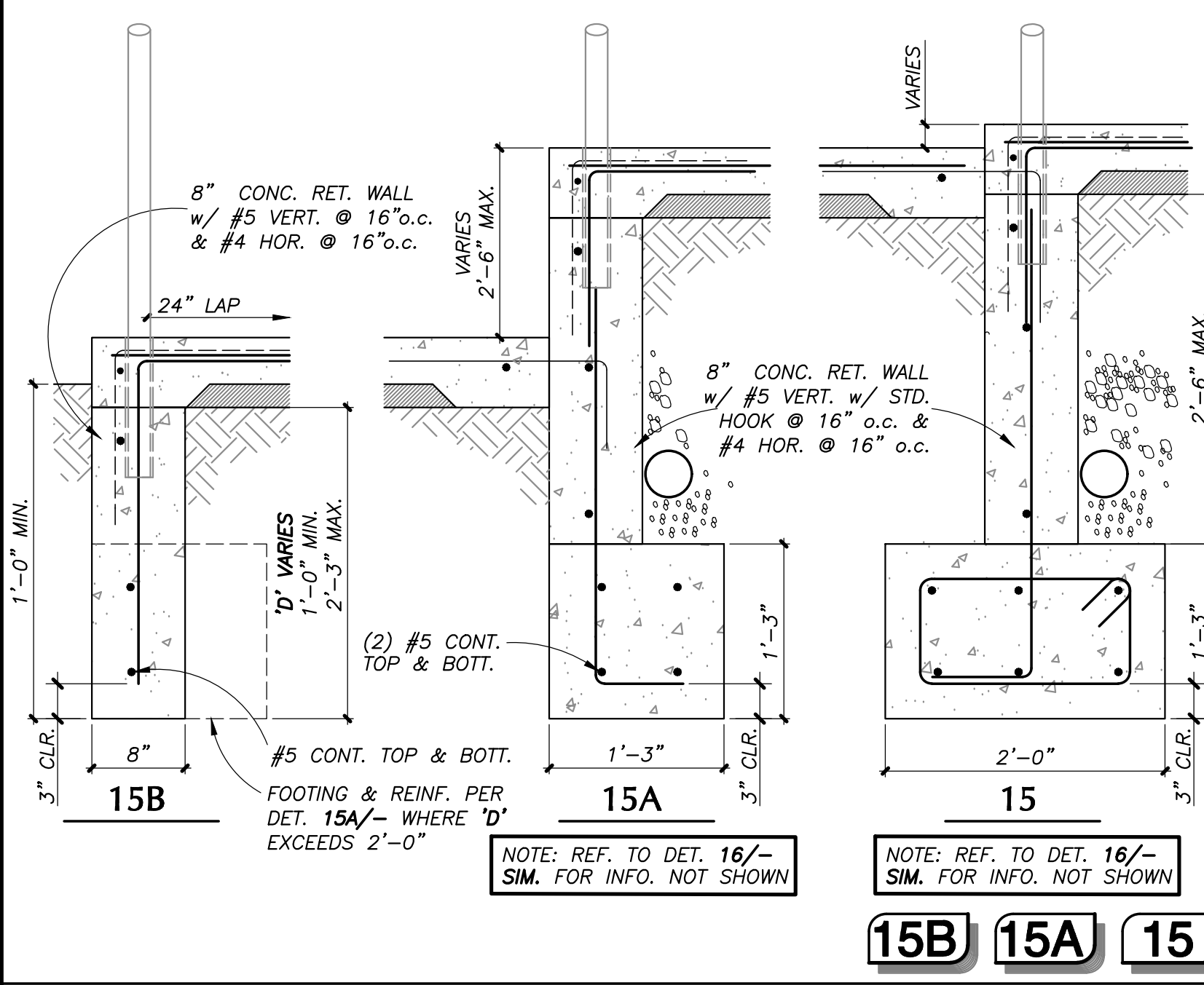
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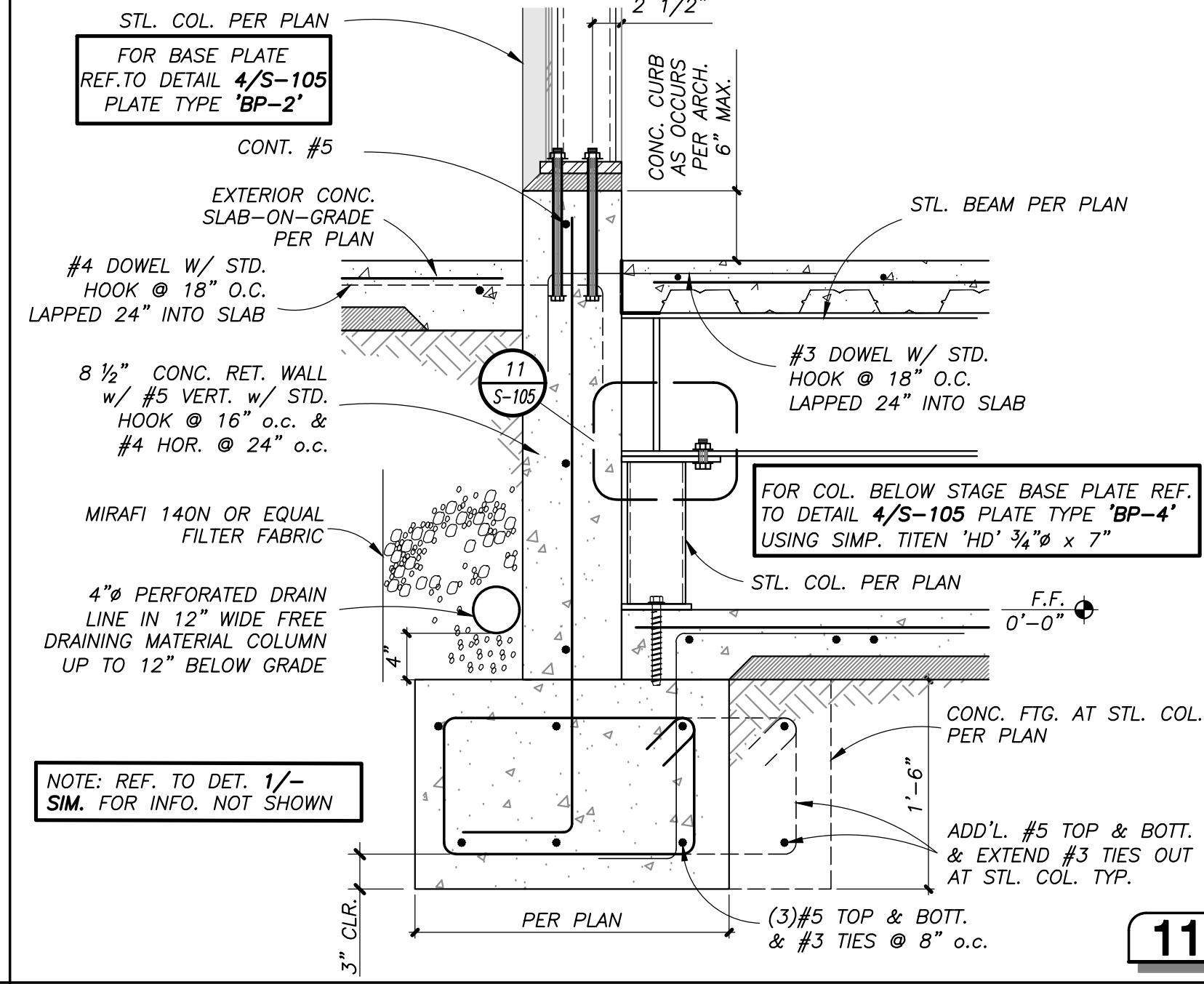
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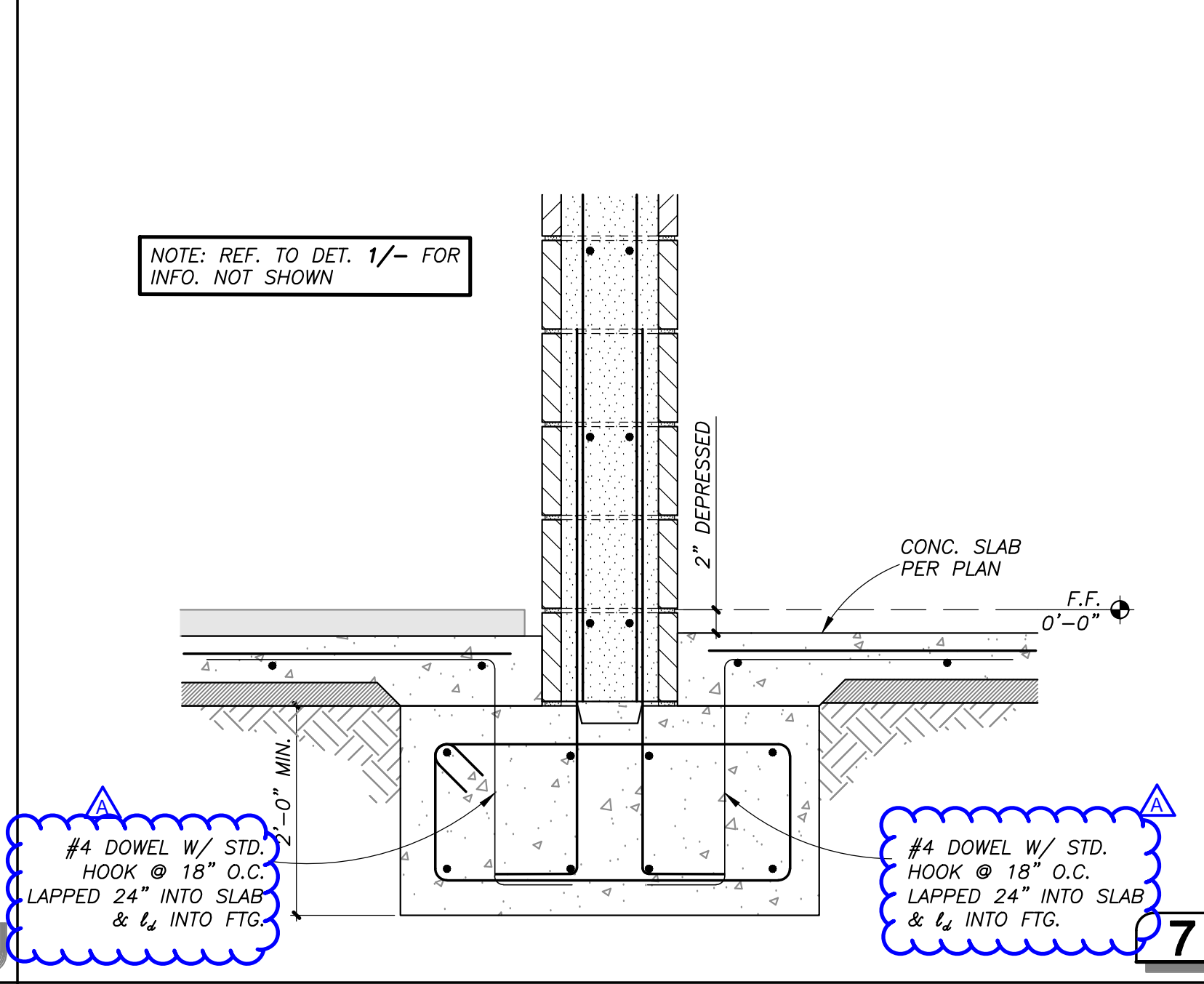
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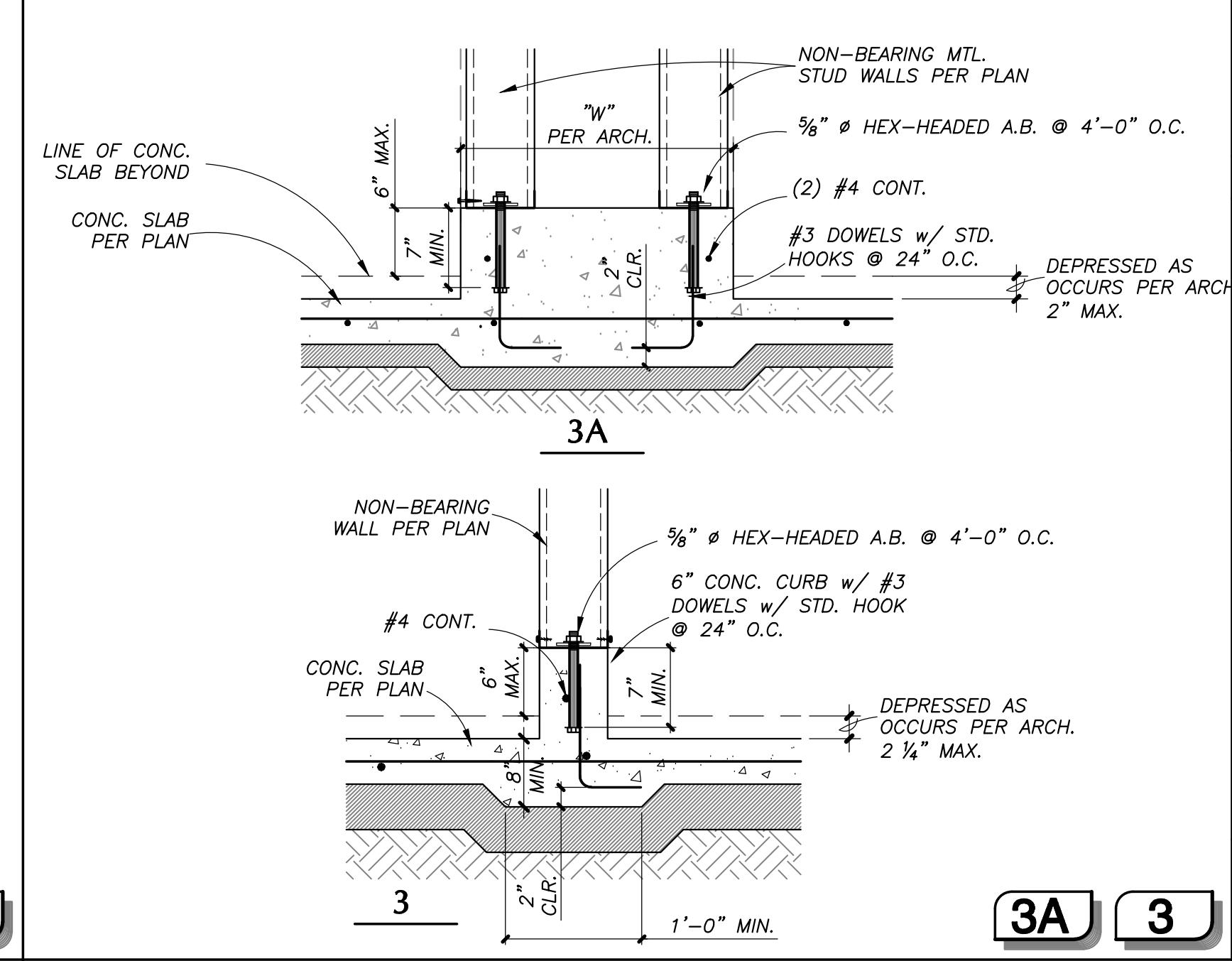
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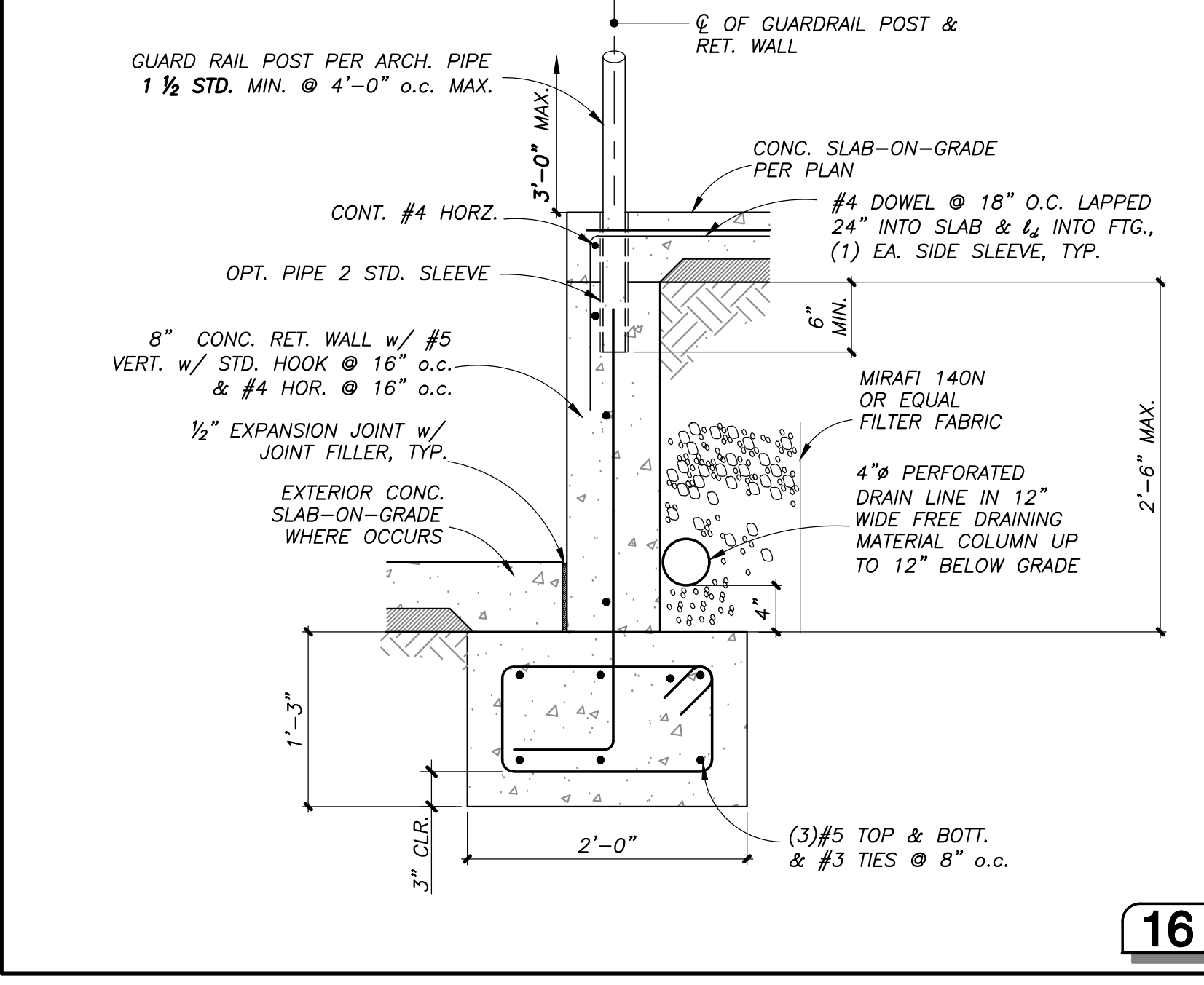
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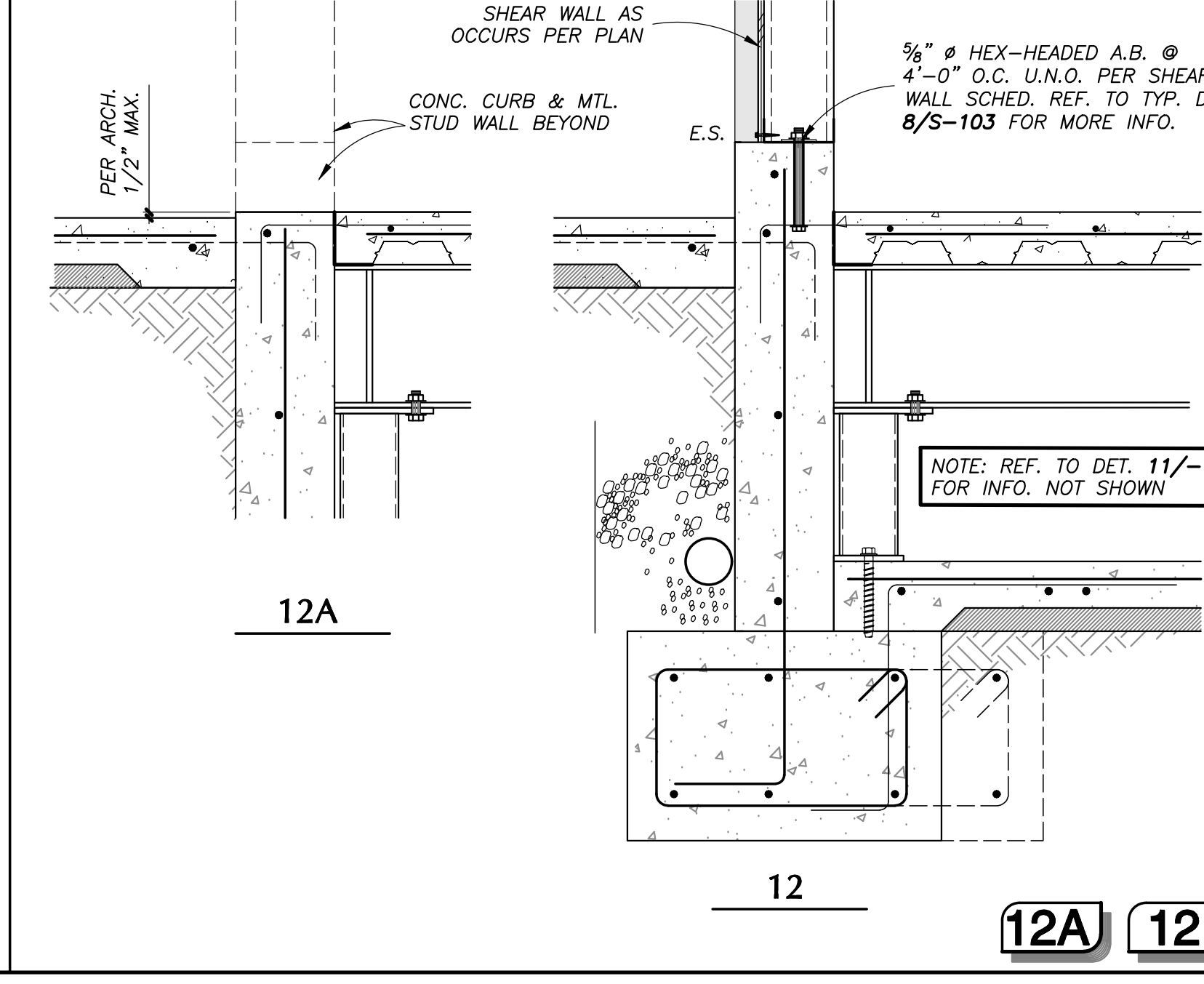
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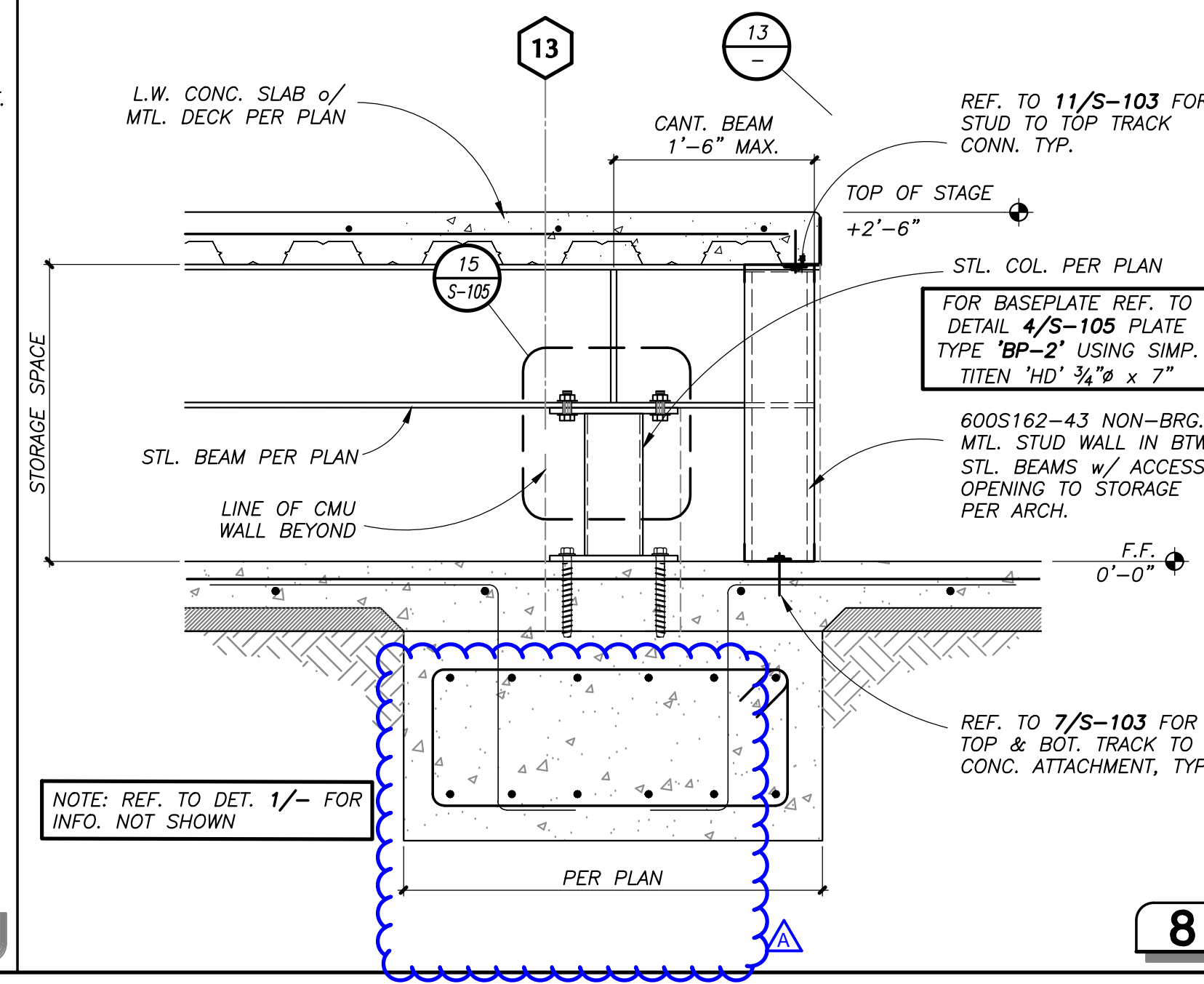
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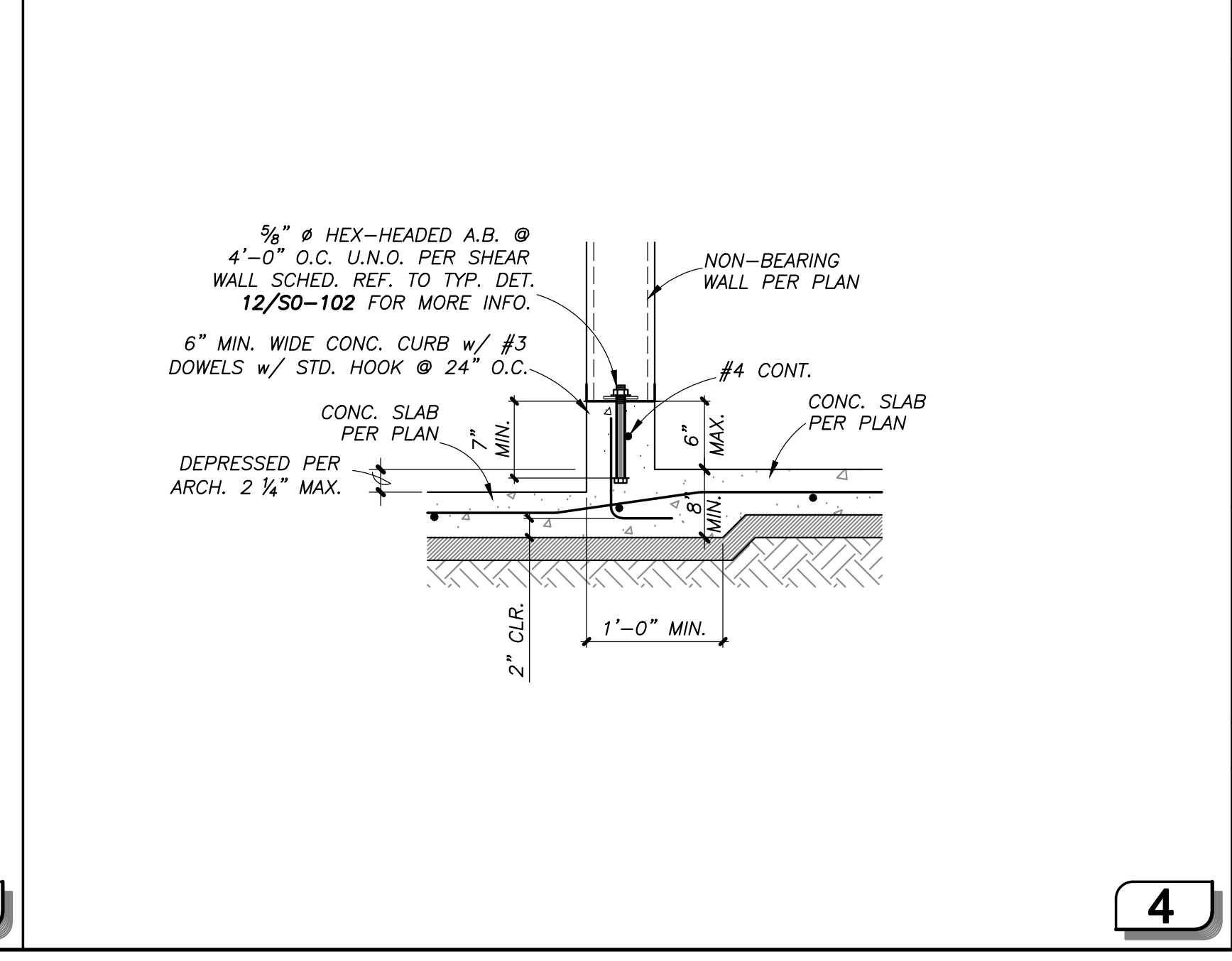
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12A 12



8



4

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SHEET TITLE  
**STRUCTURAL DETAILS**

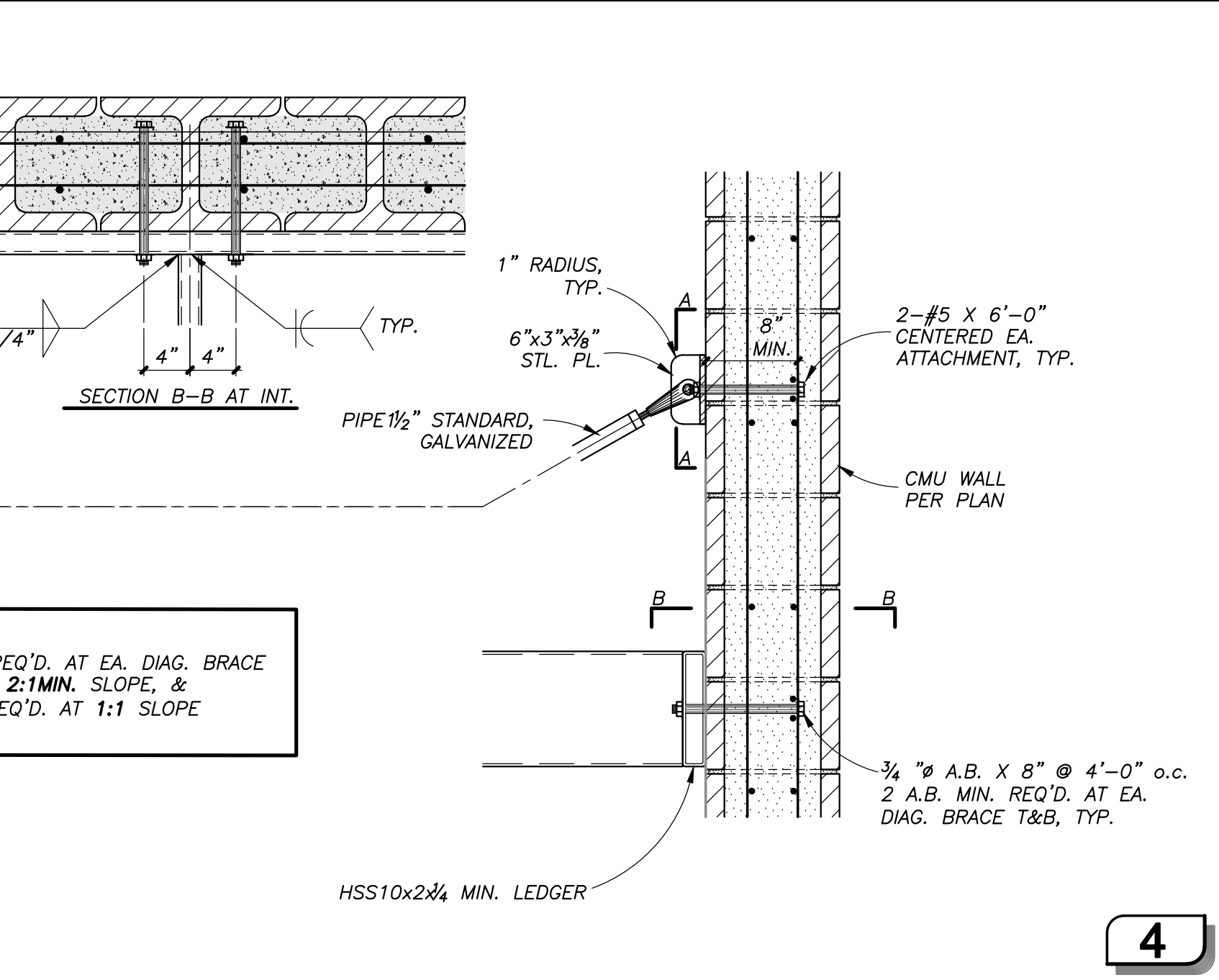
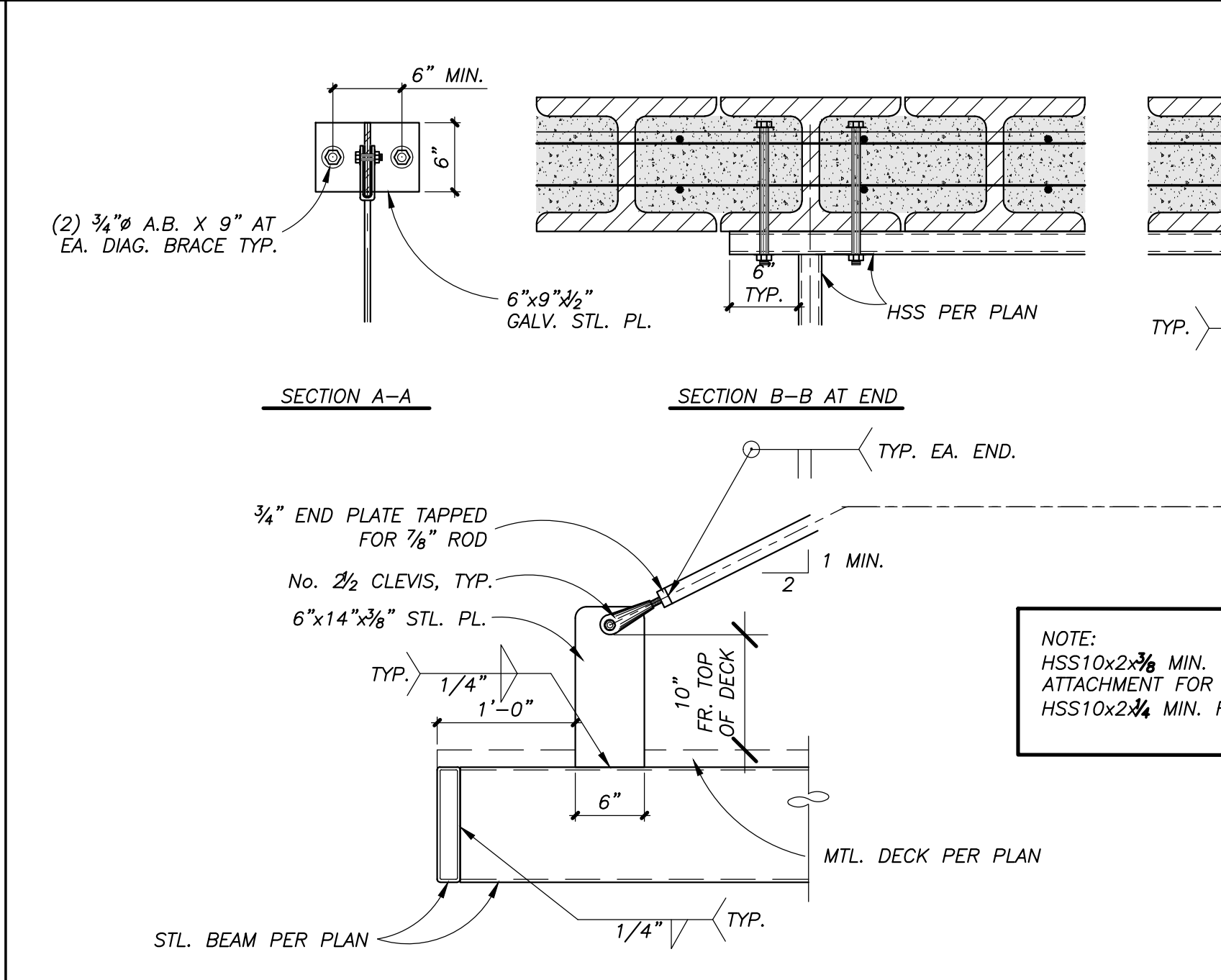
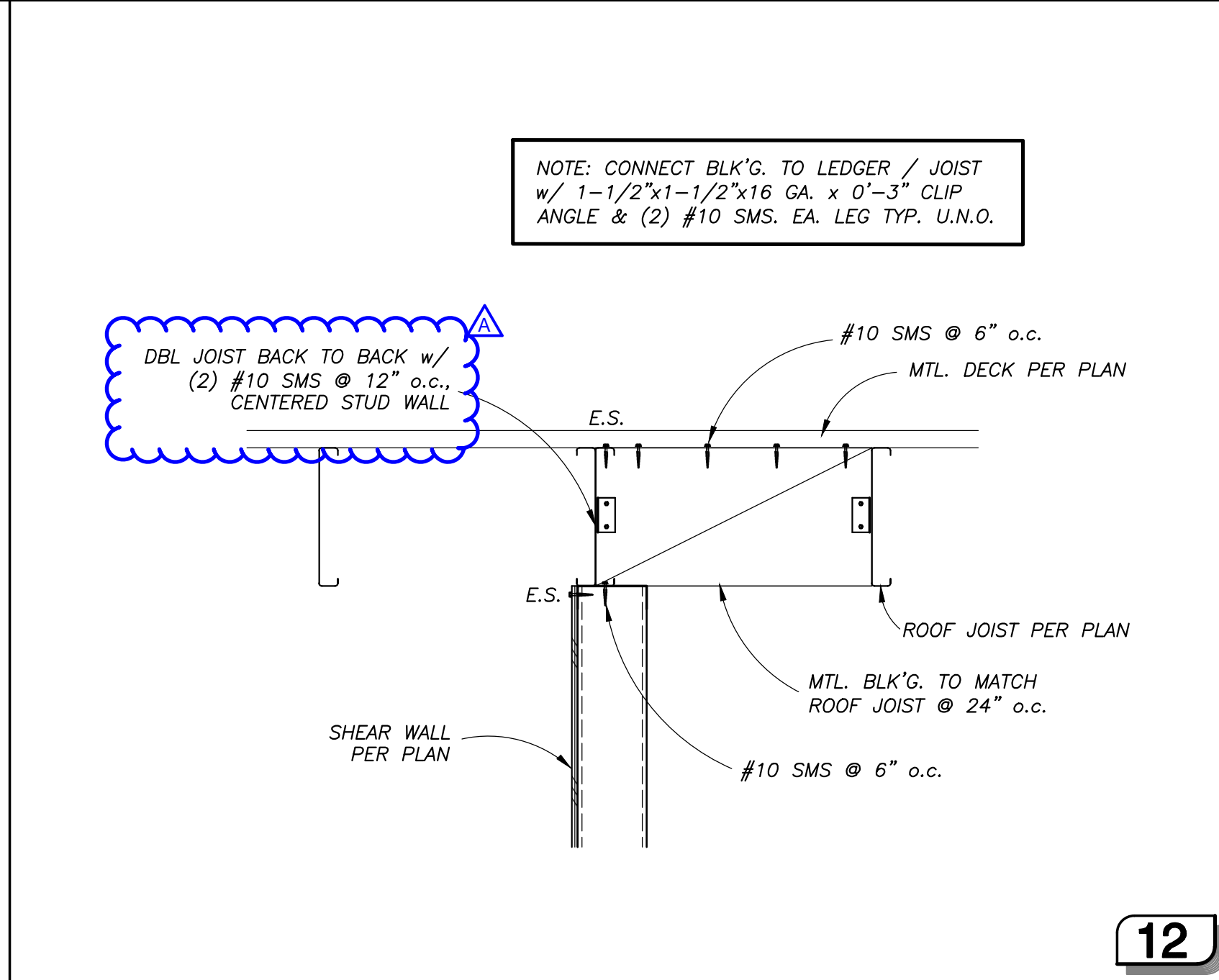
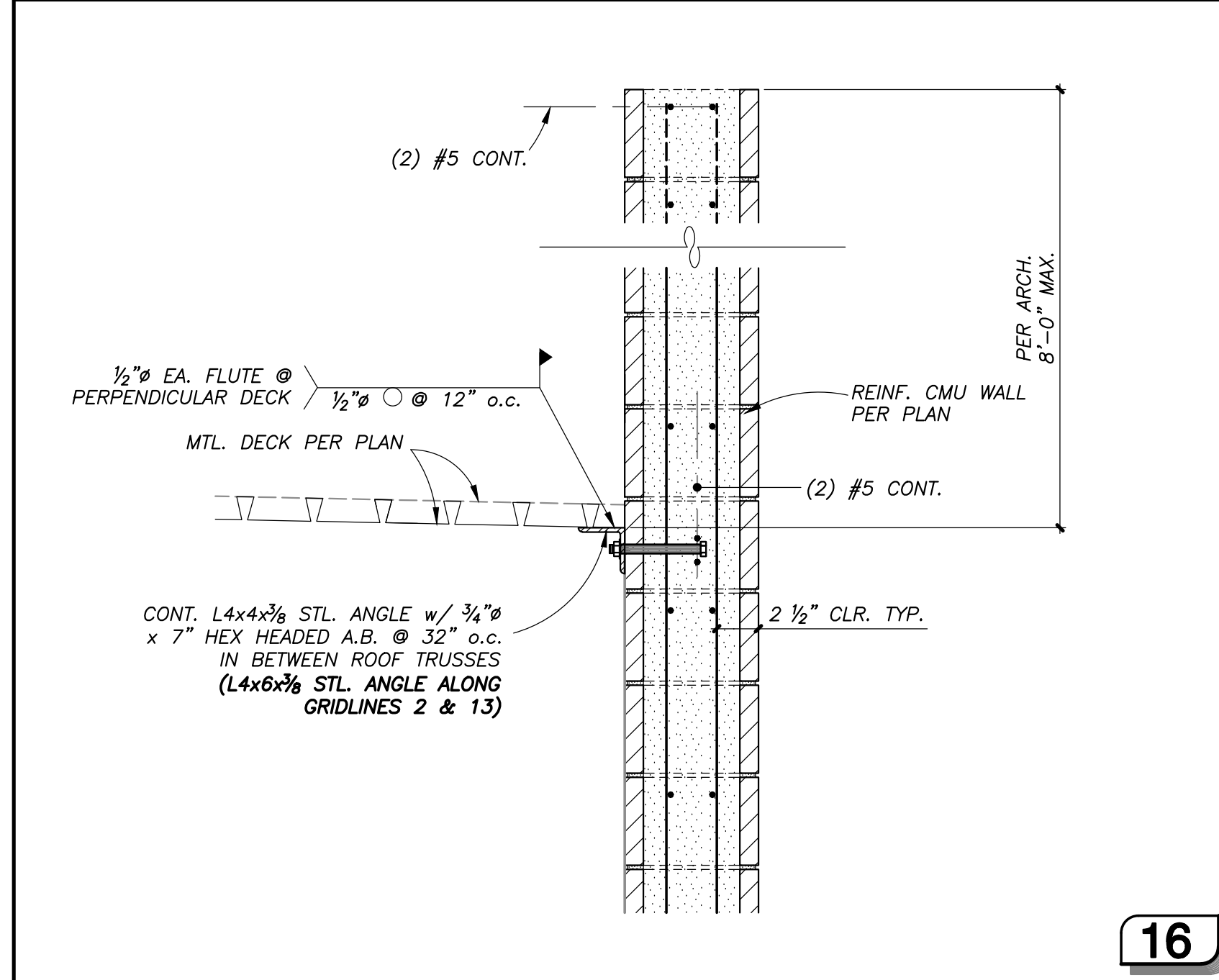
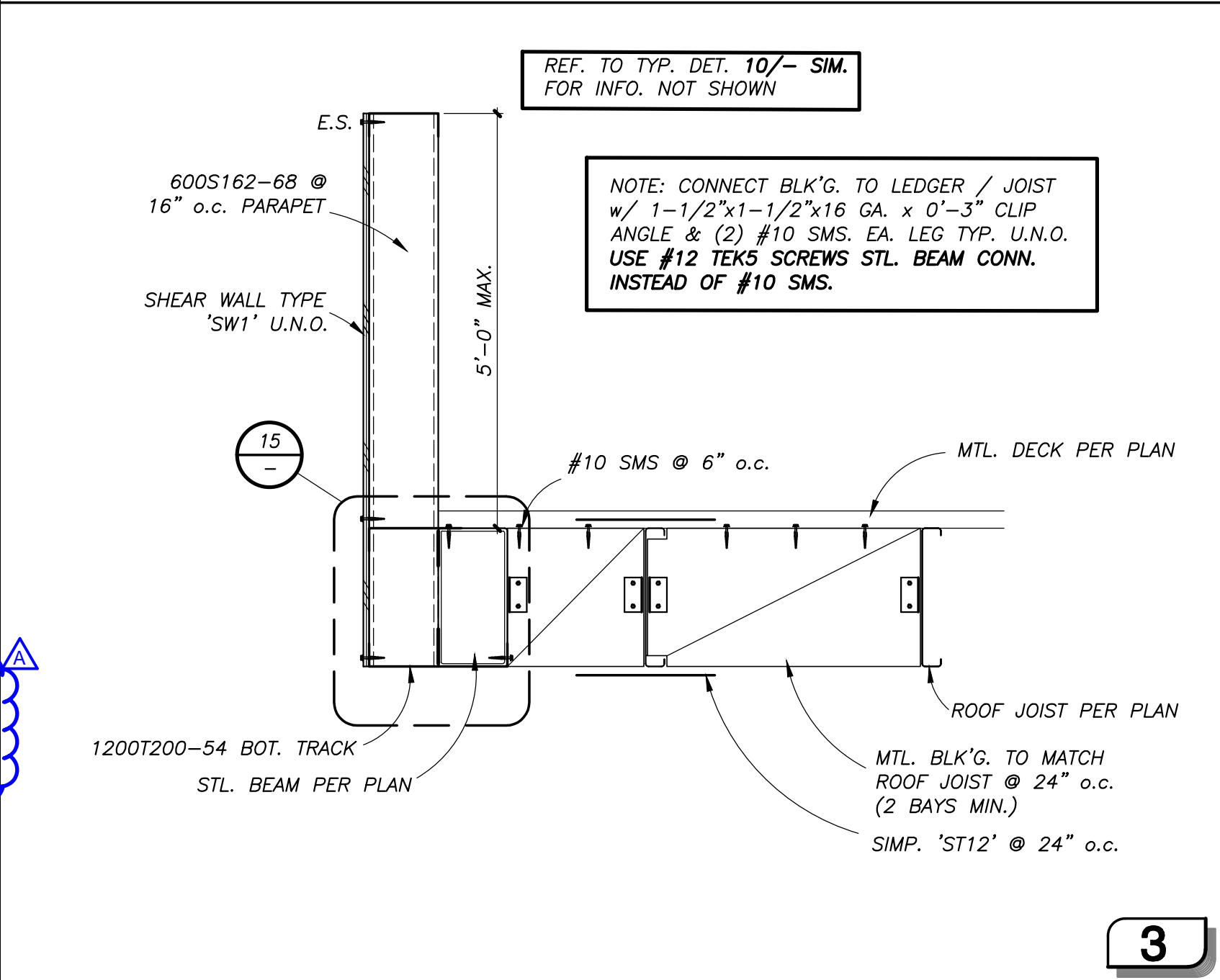
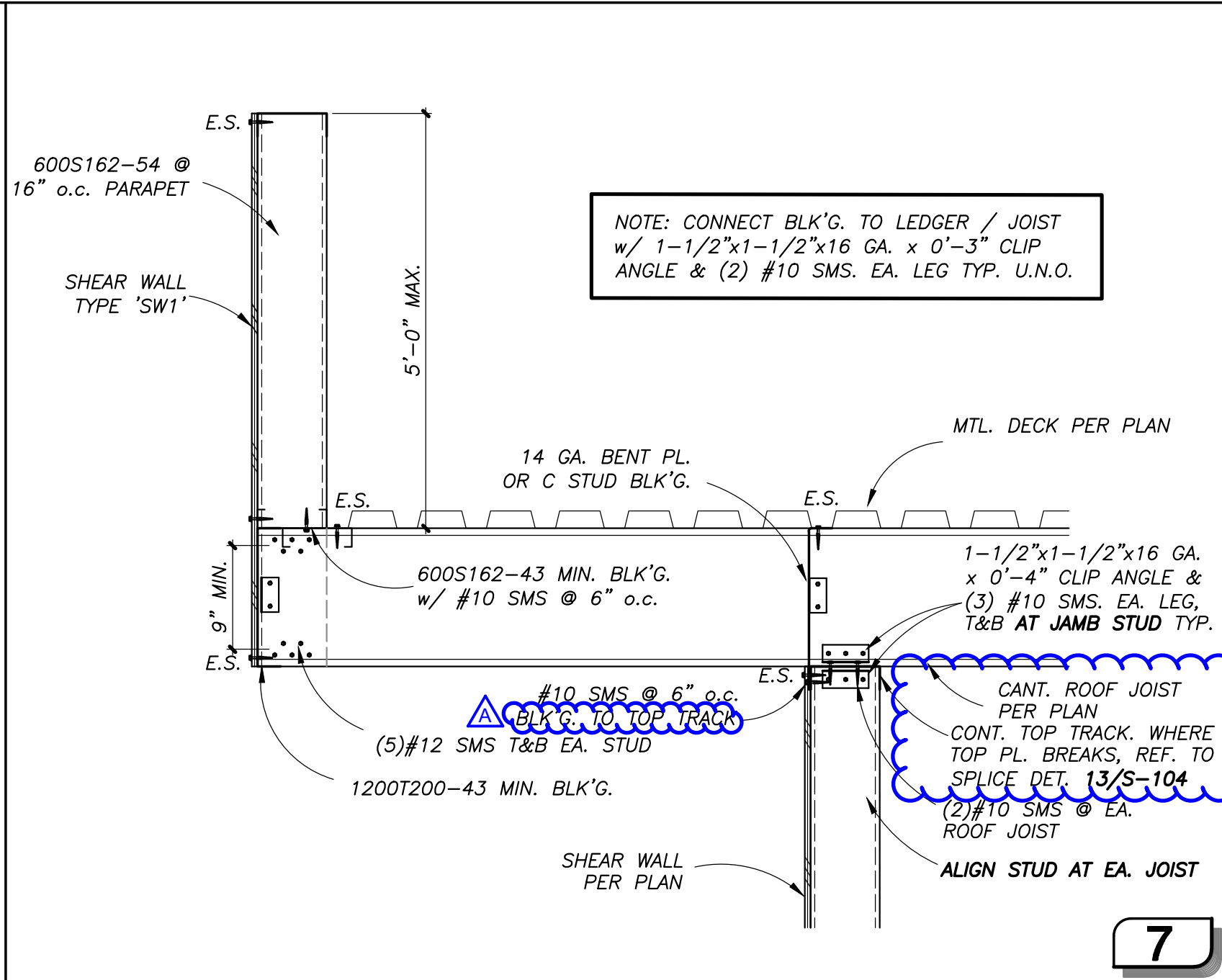
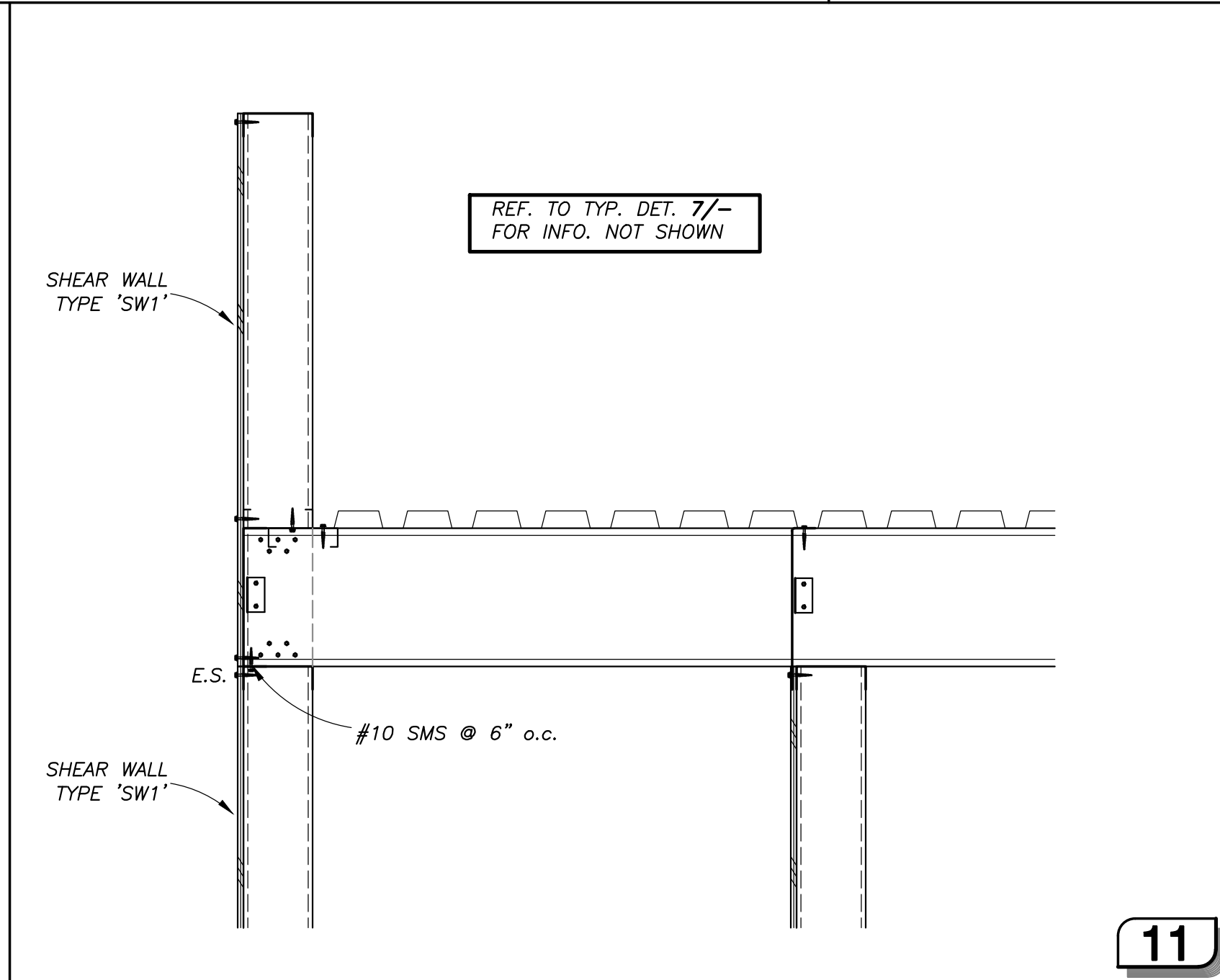
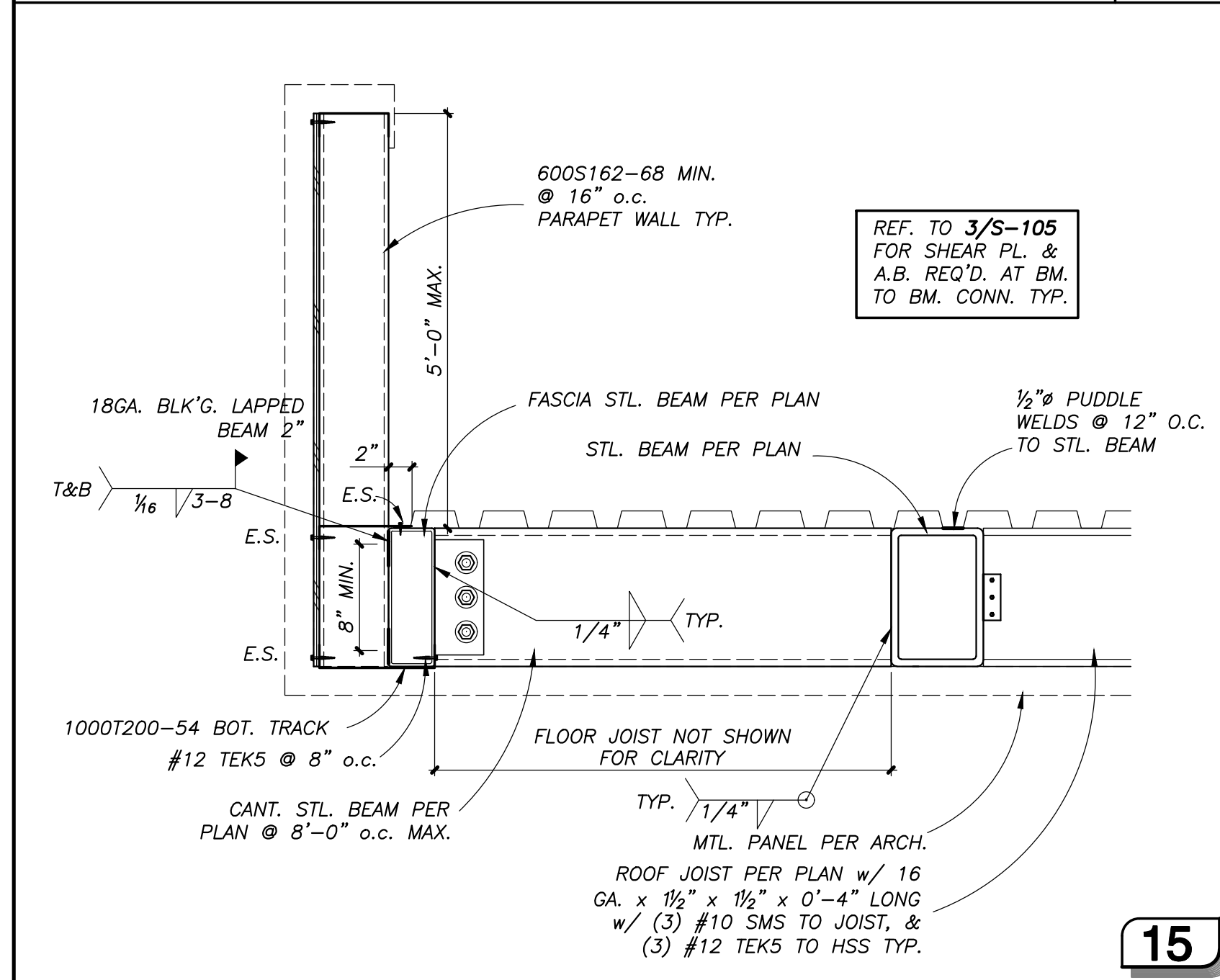
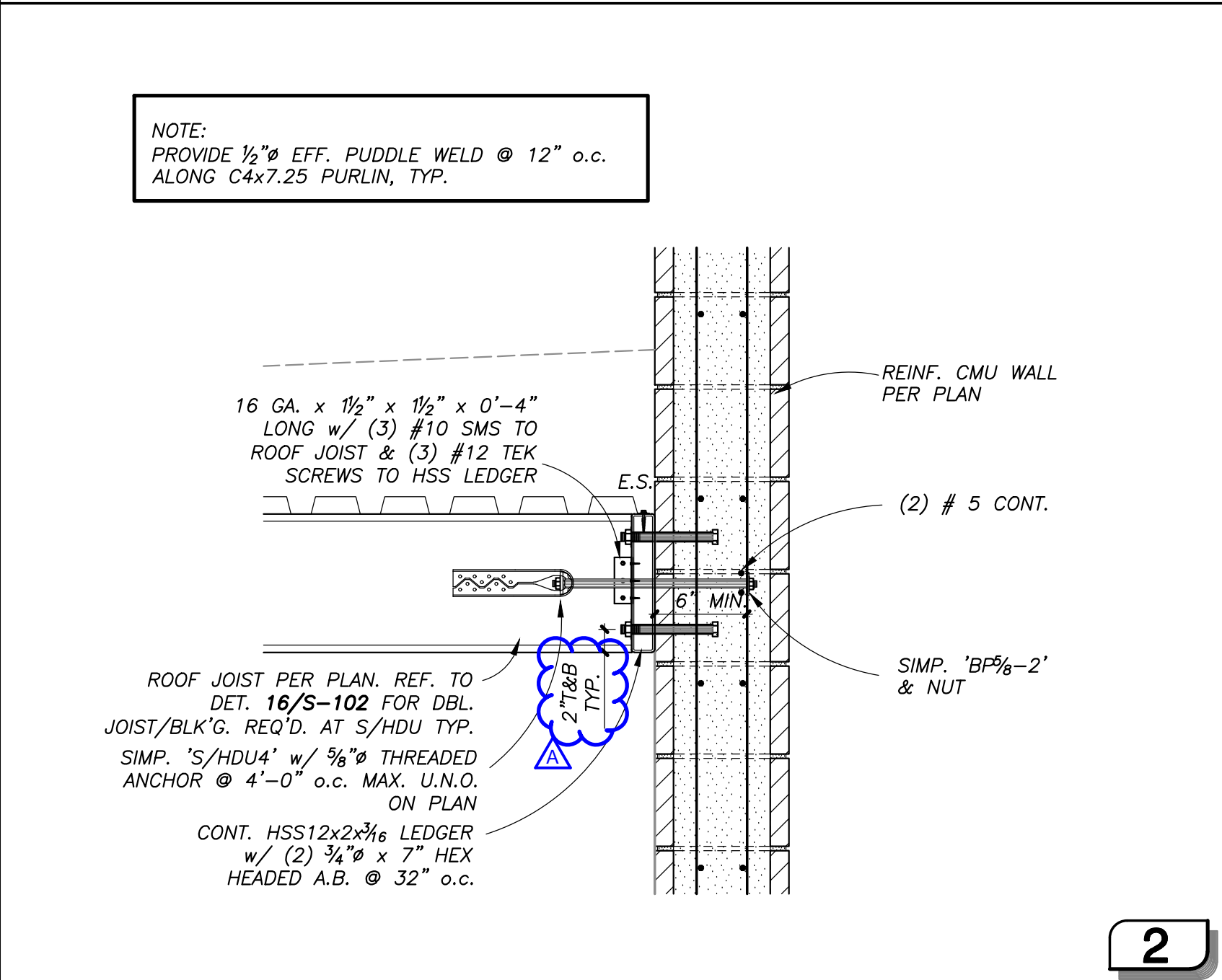
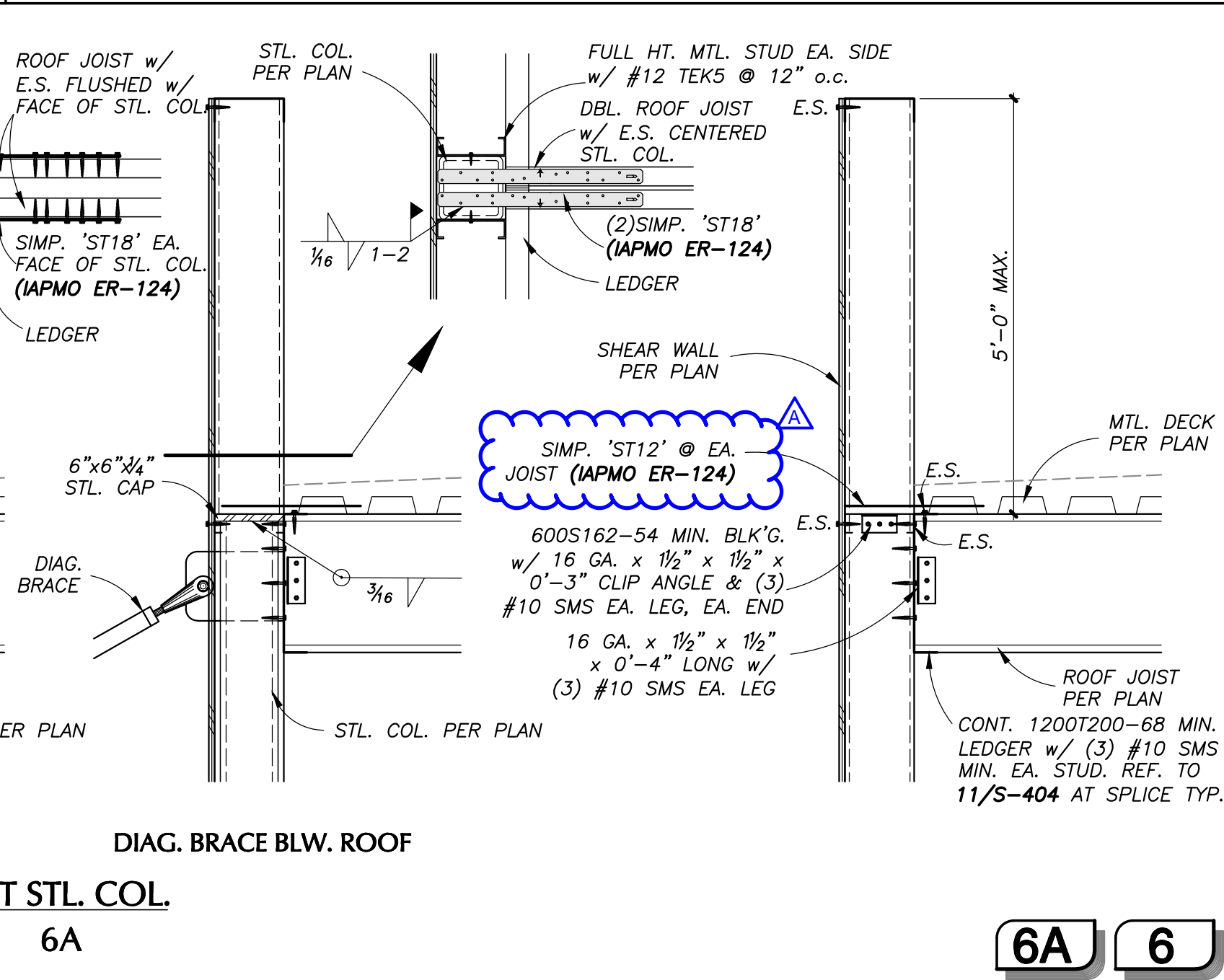
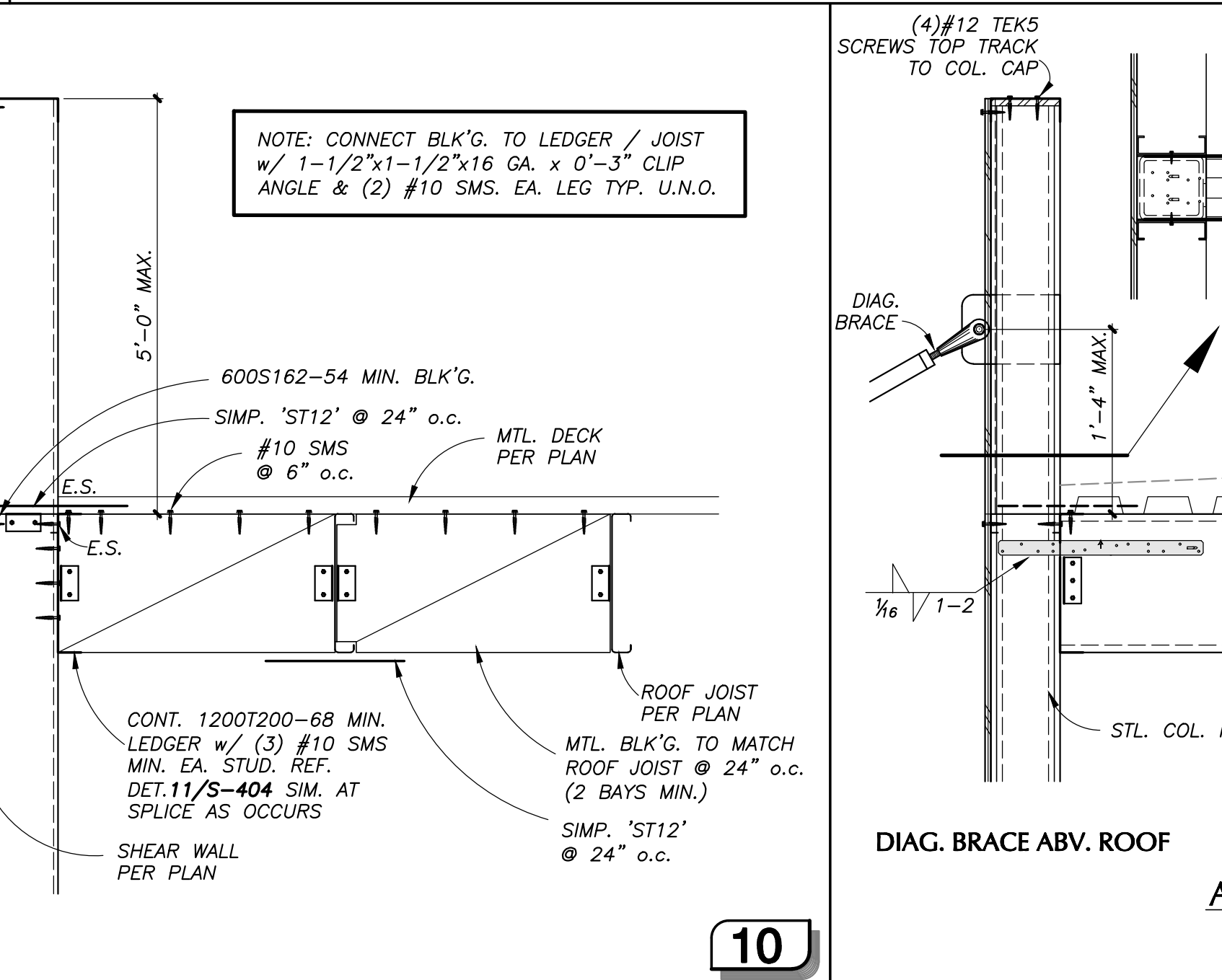
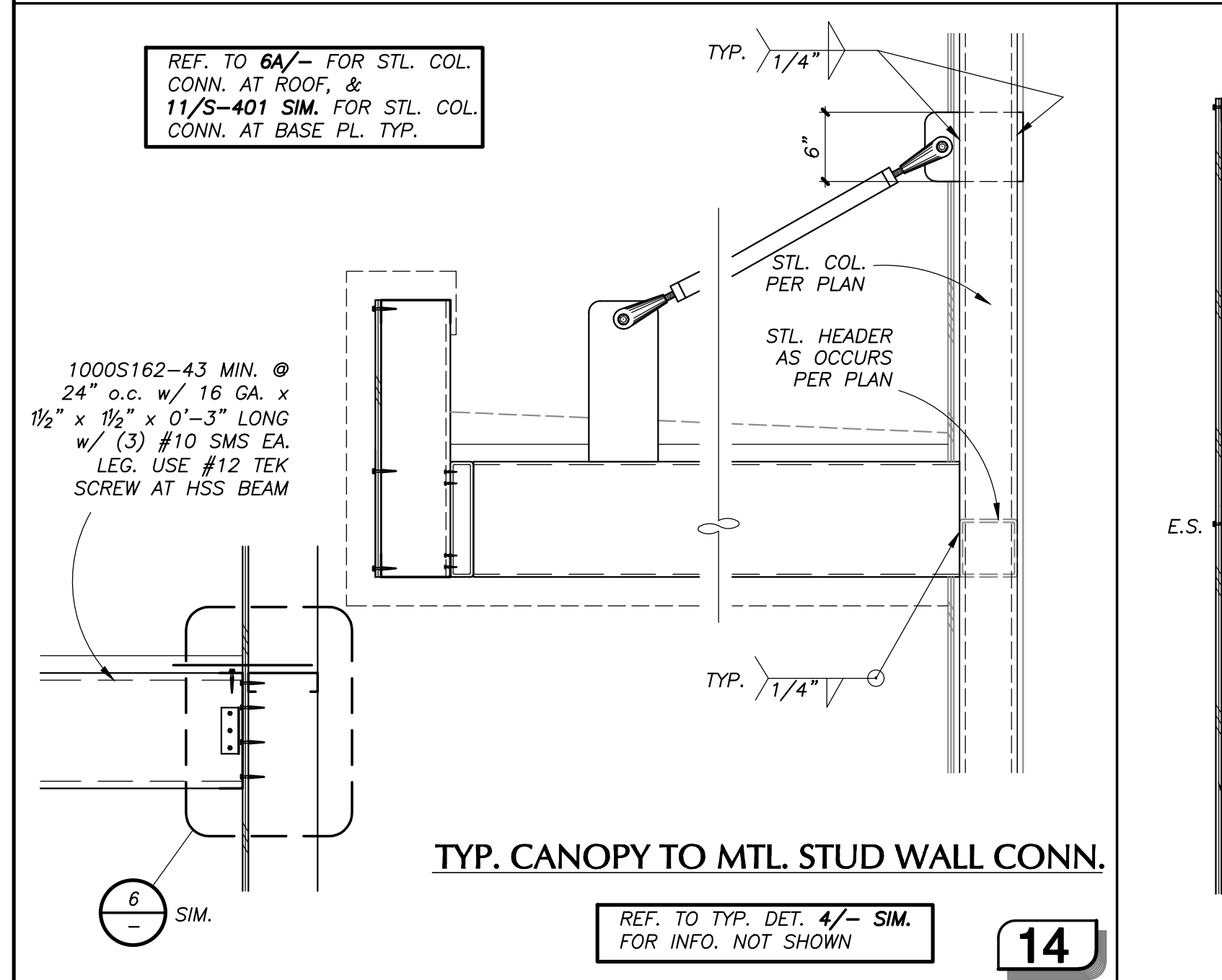
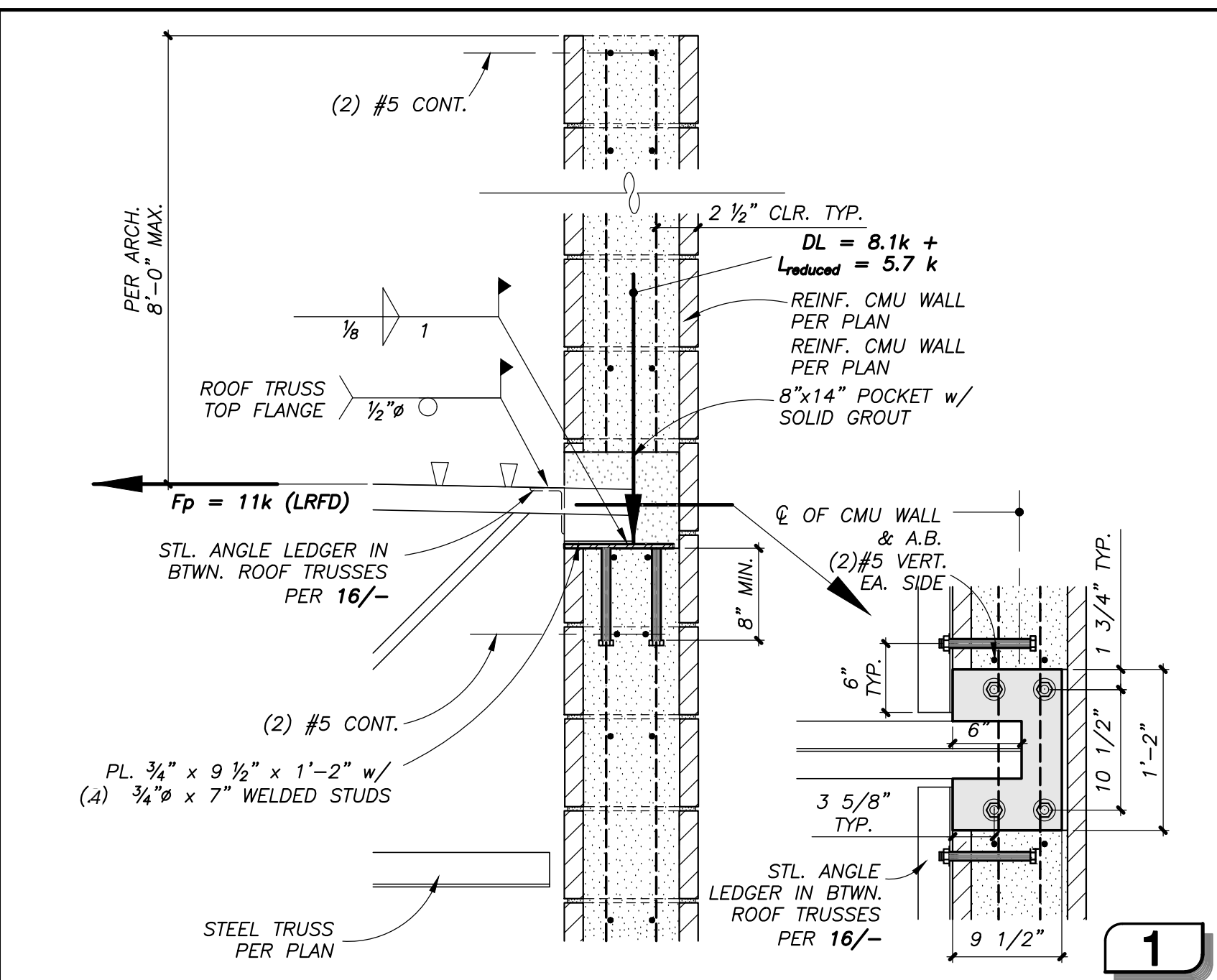
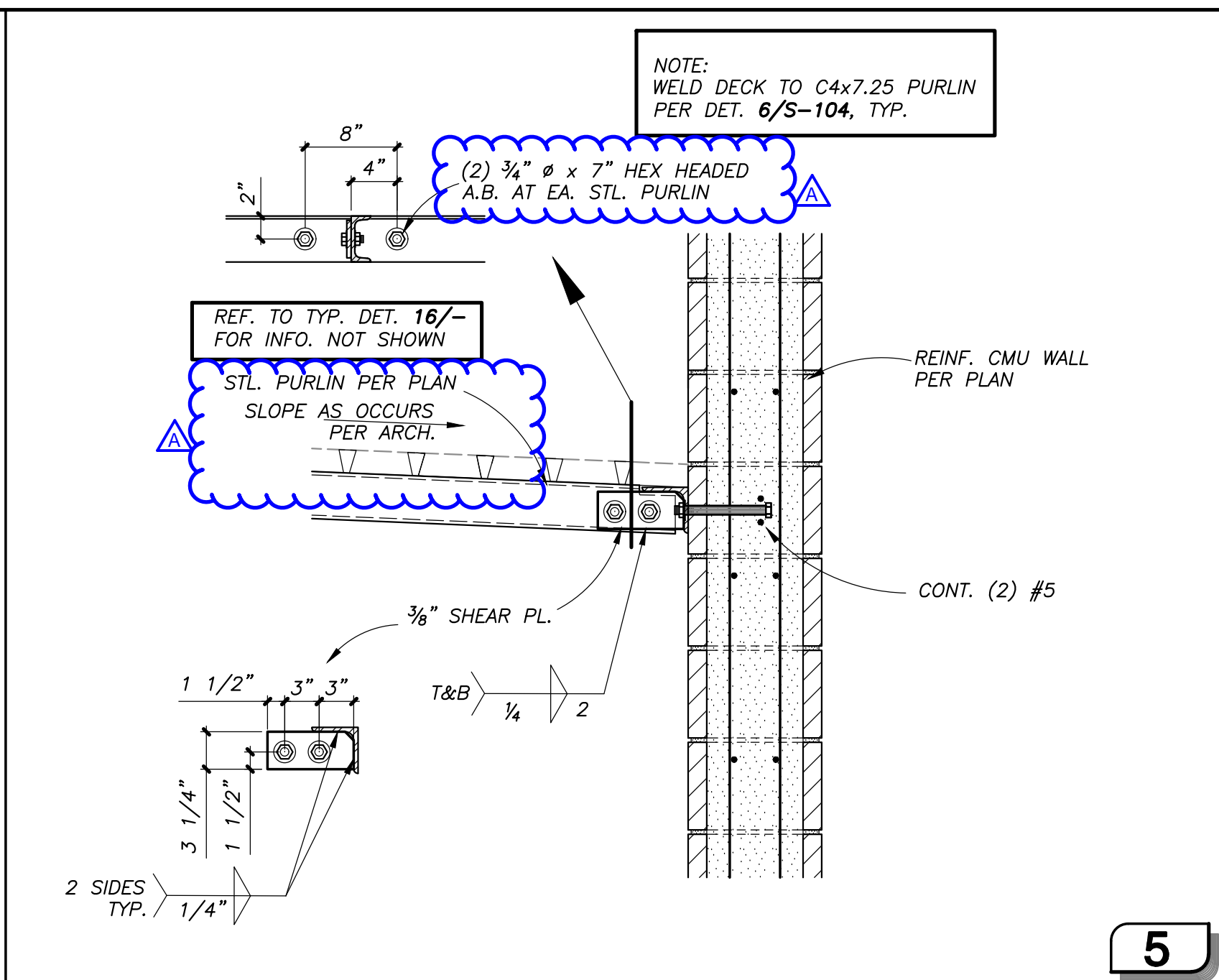
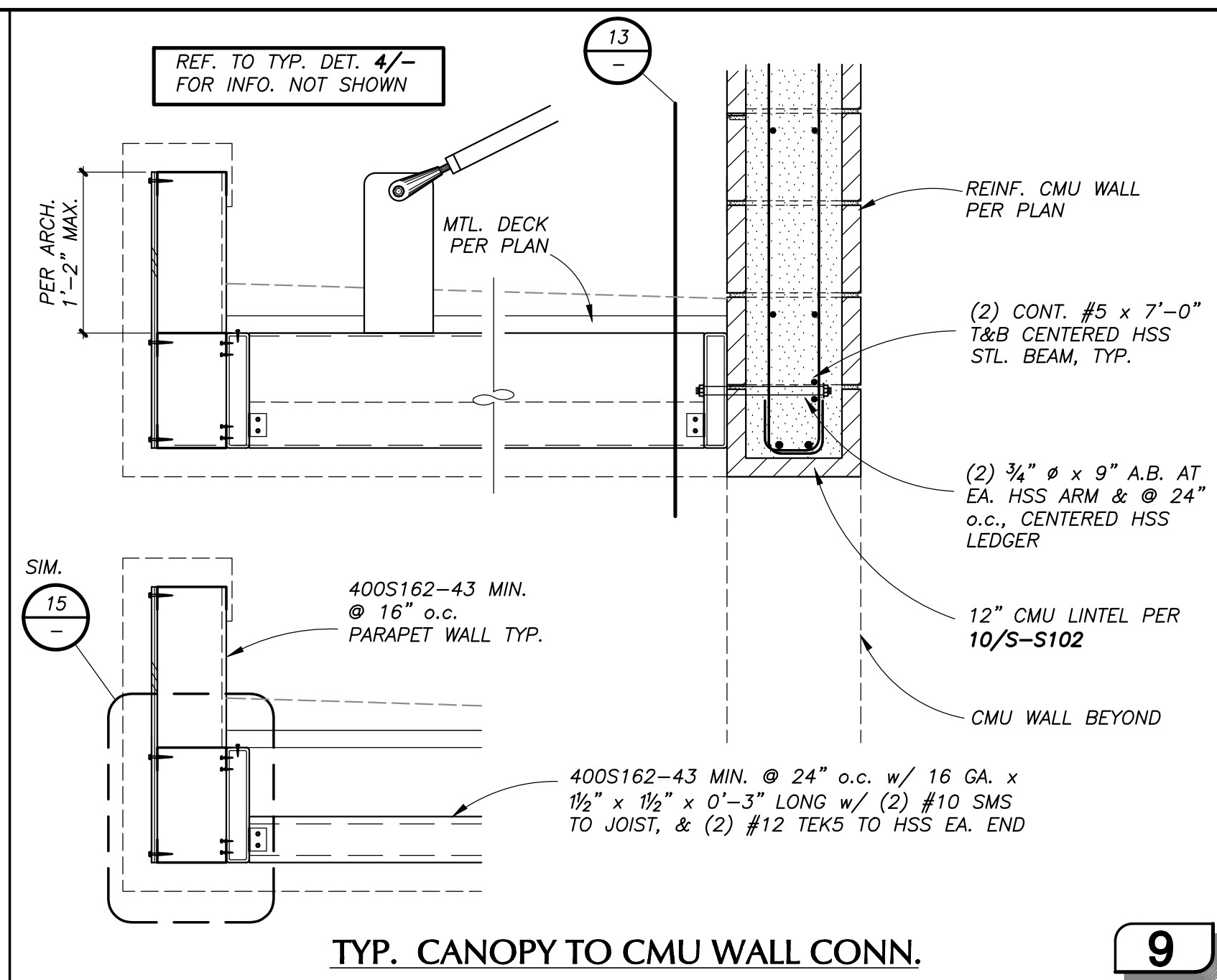
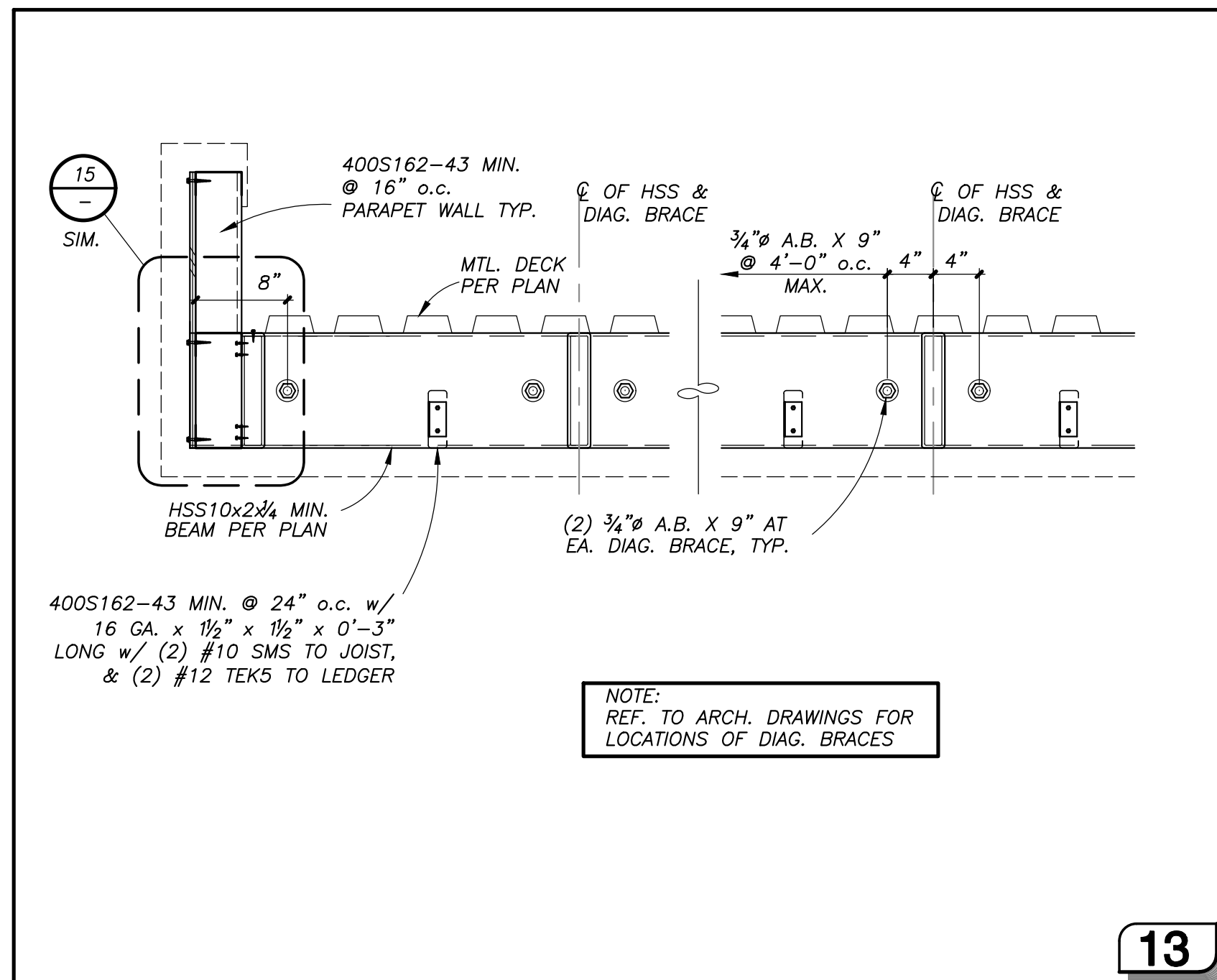
DRAWN BY: VB JOB NUMBER: 21025

SHEET NO.  
**S-401**  
DATE: MARCH 23, 2022



560 HIGUERA STREET, SUITE C  
SAN LUIS OBISPO, CA 93401  
TEL (805) 476-0399

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ARCHITECT STAMP CONSULTANT STAMP

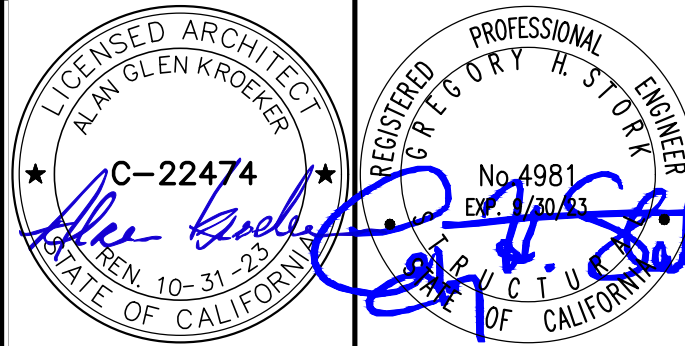


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500 Dyer Street  
Orcutt, CA 93455

ORCUTT ACADEMY HS MUR BUILDING  
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Orcutt, CA 93455

SHEET TITLE  
STRUCTURAL DETAILS

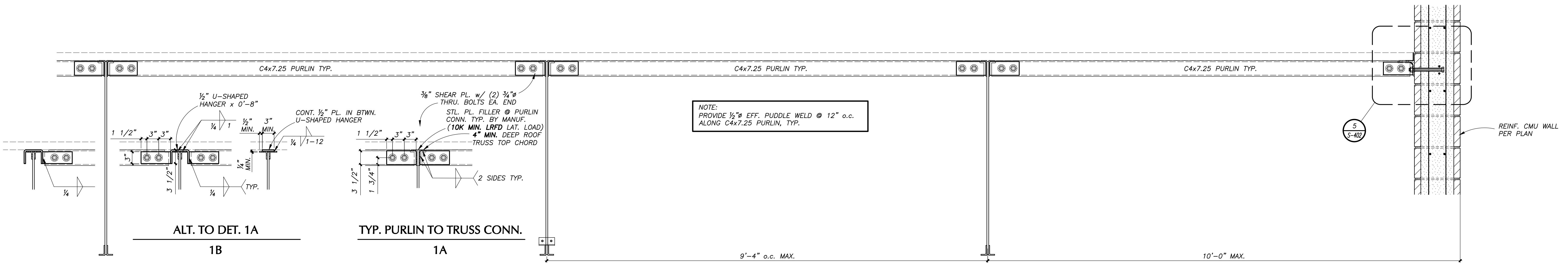
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SHEET NO.

S-402

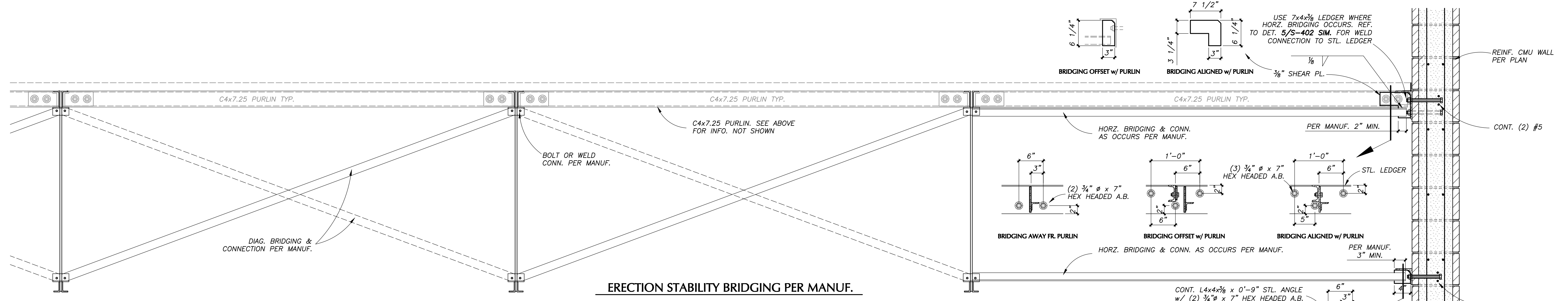
DATE: MARCH 23, 2022





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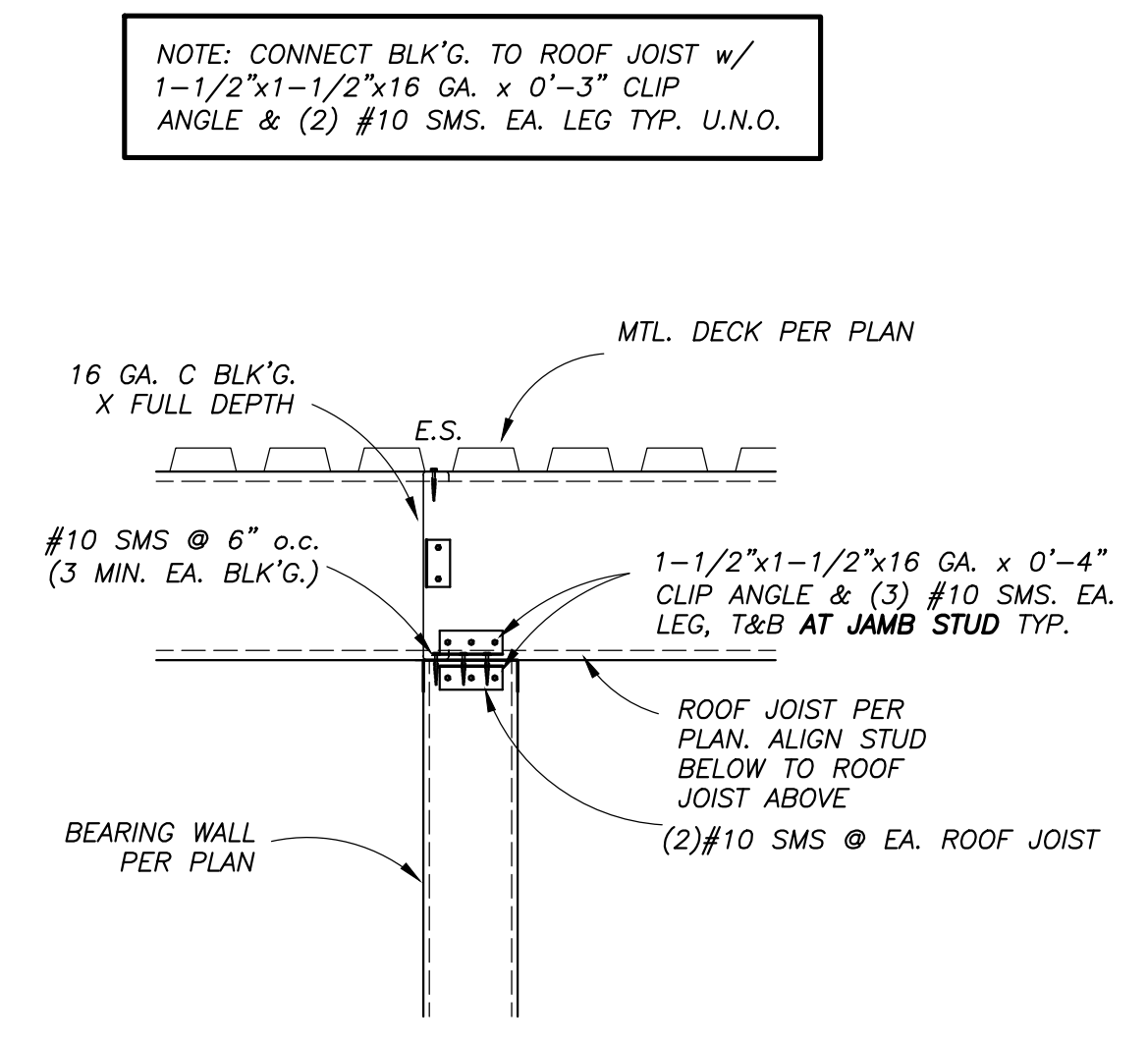
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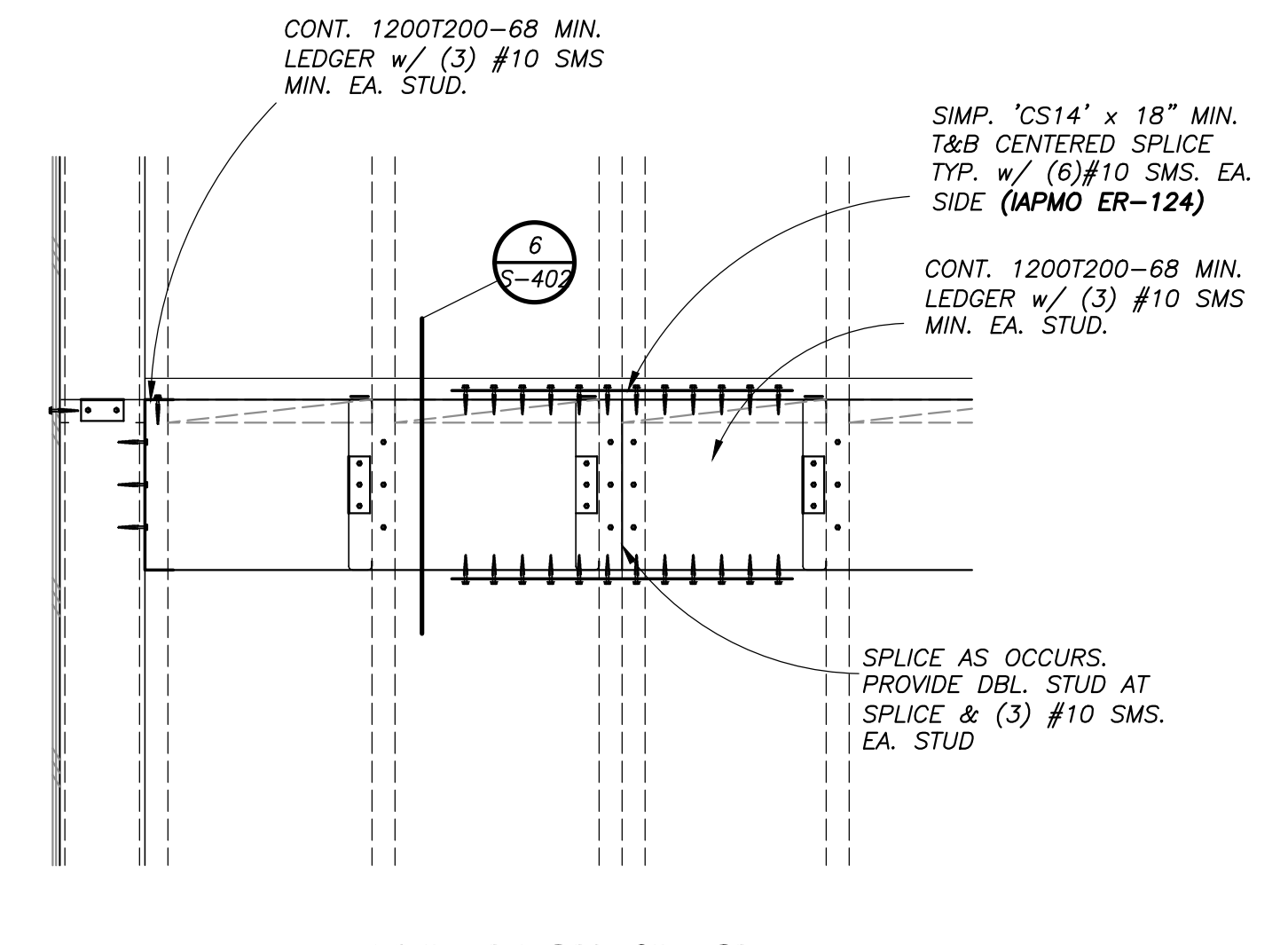
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NOTE: REF. TO STL. TRUSS DRAWINGS FOR BRIDGING LAYOUT

2

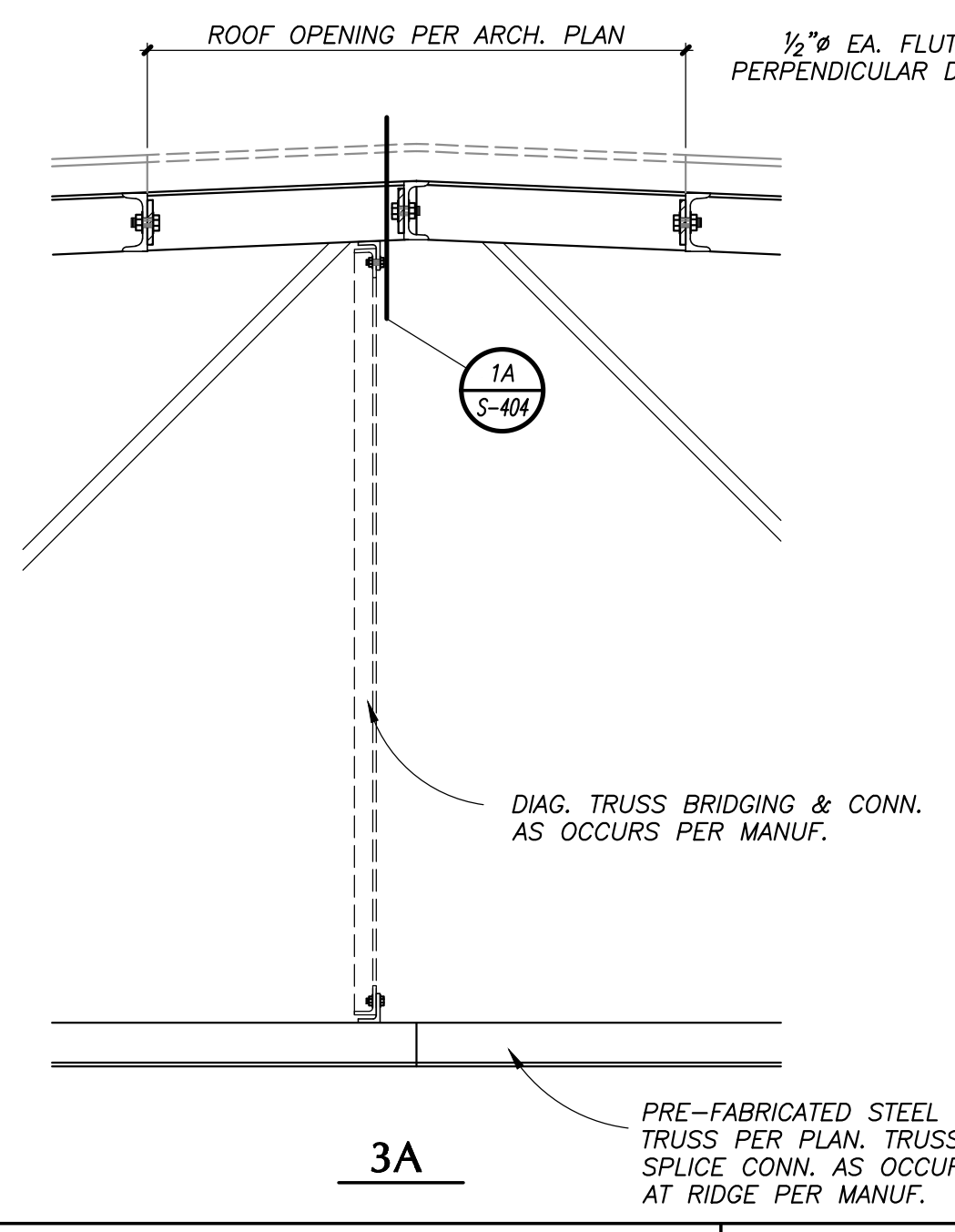


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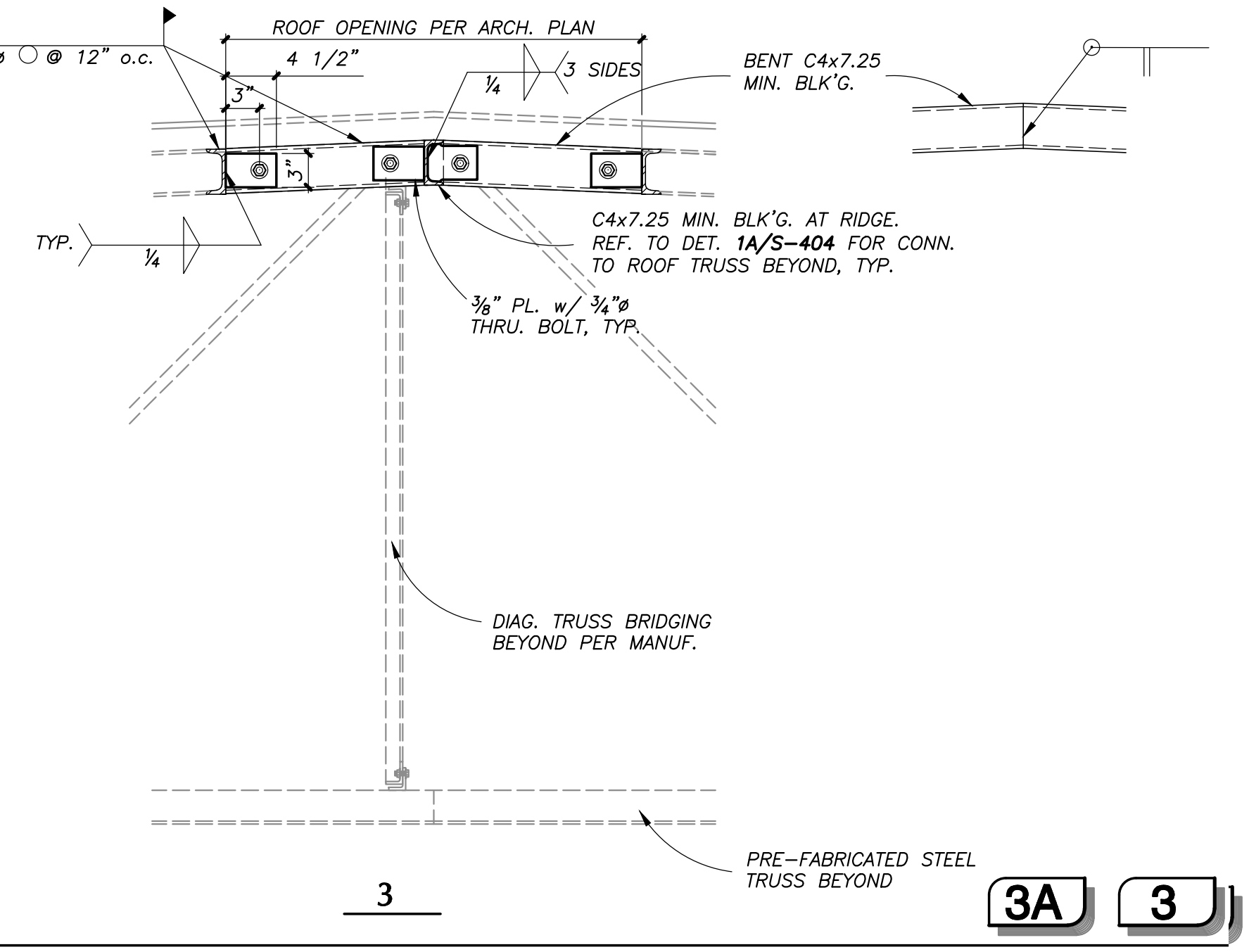


TYP. LEDGER SPLICE

11

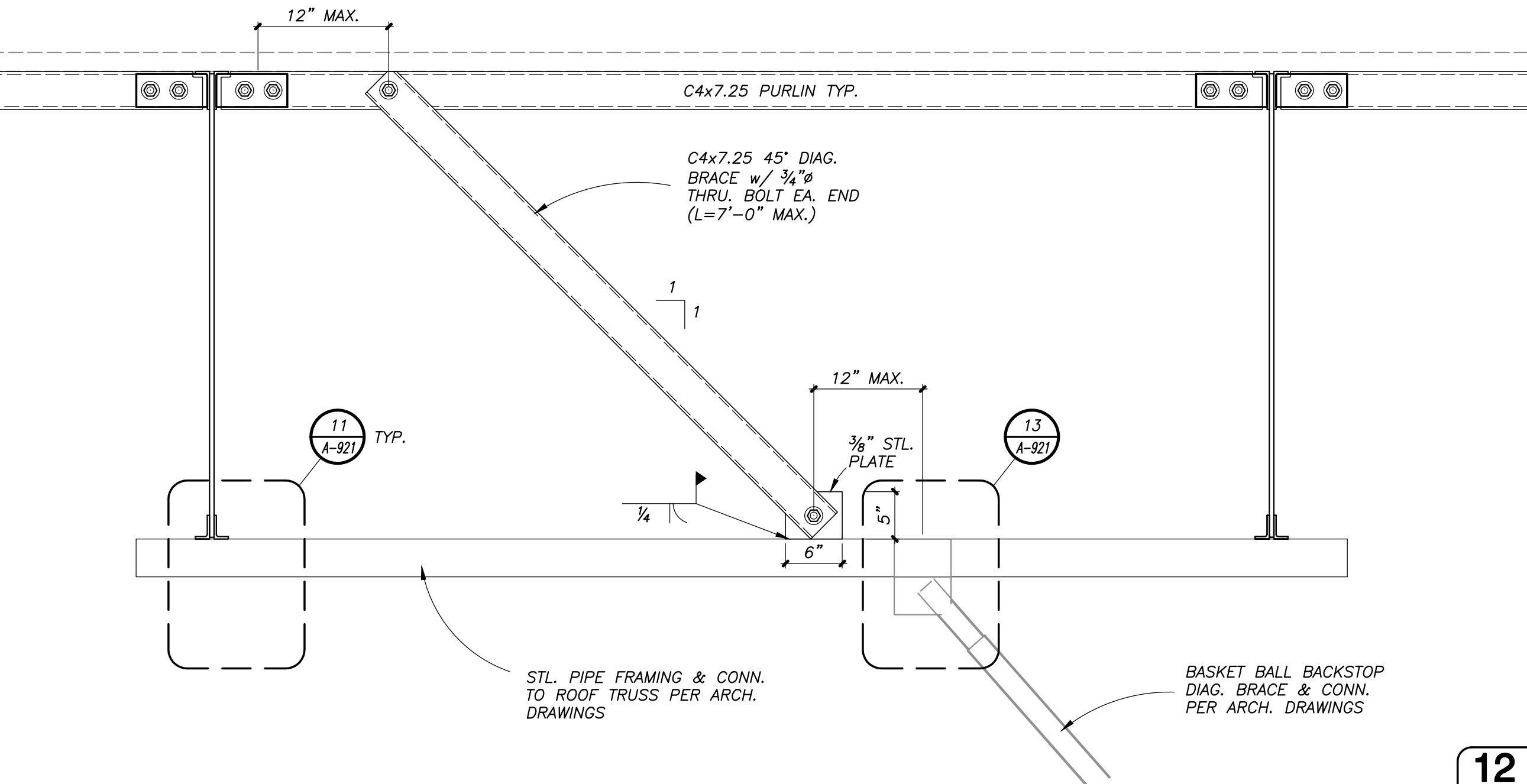


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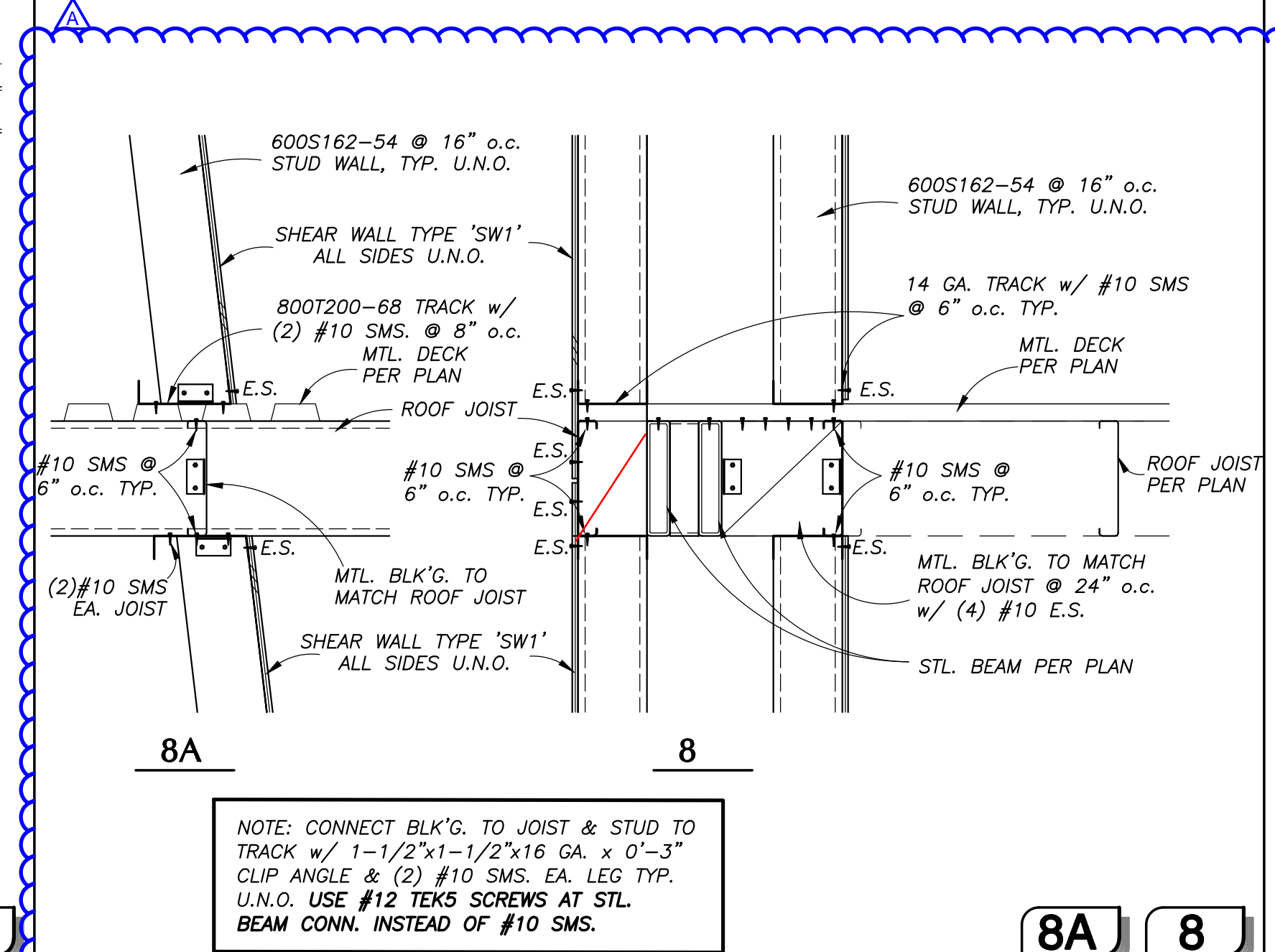


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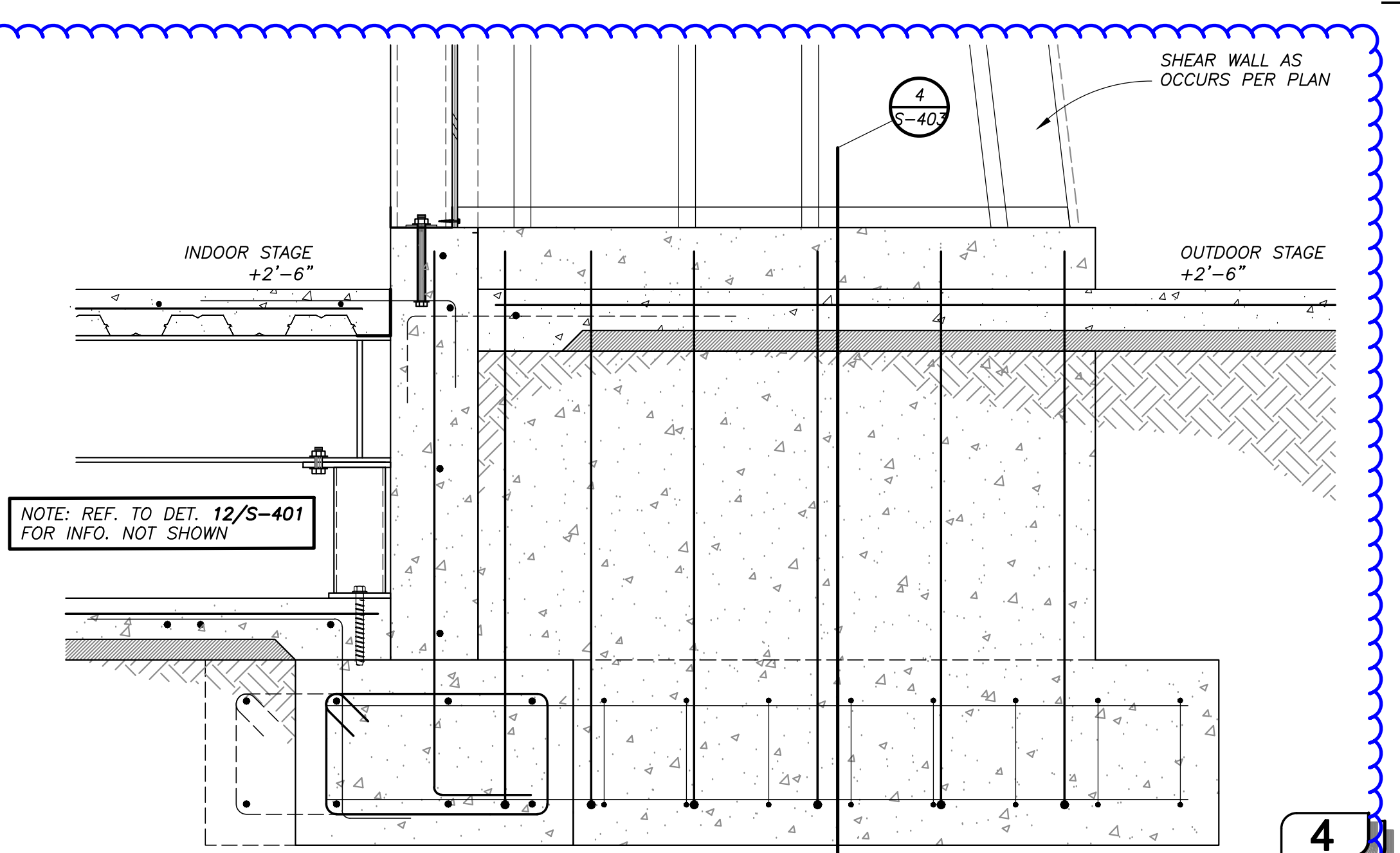


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8A

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4

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|-----------------|------------------|
|                 |                  |

| NO. | DATE       | DESCRIPTION |
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Orcutt, CA 93455

**ORCUTT ACADEMY HS MUR BUILDING**  
610 Pinal Avenue  
Orcutt, CA 93455

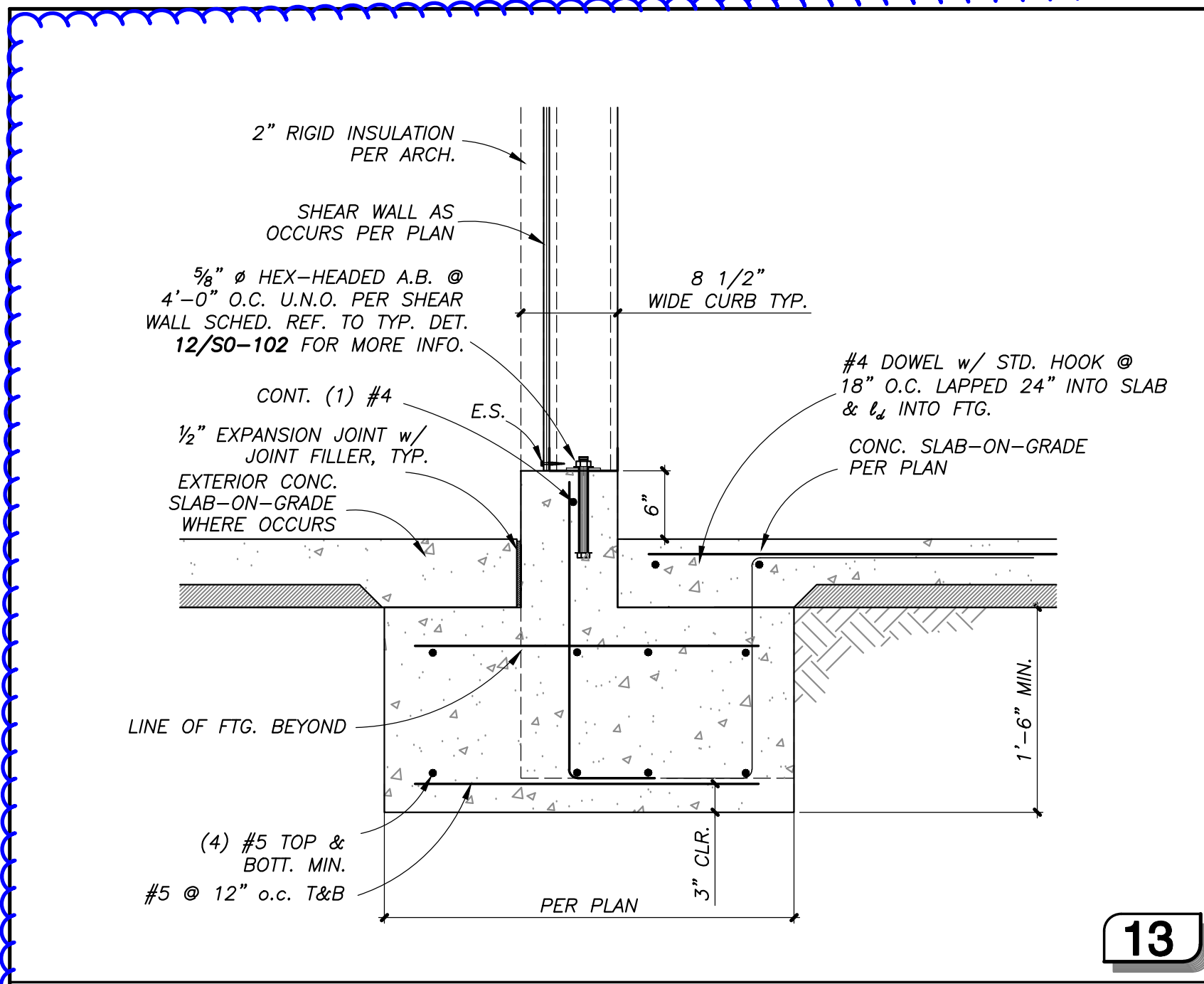
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**STRUCTURAL DETAILS**

DRAWN BY: VB JOB NUMBER: 21025

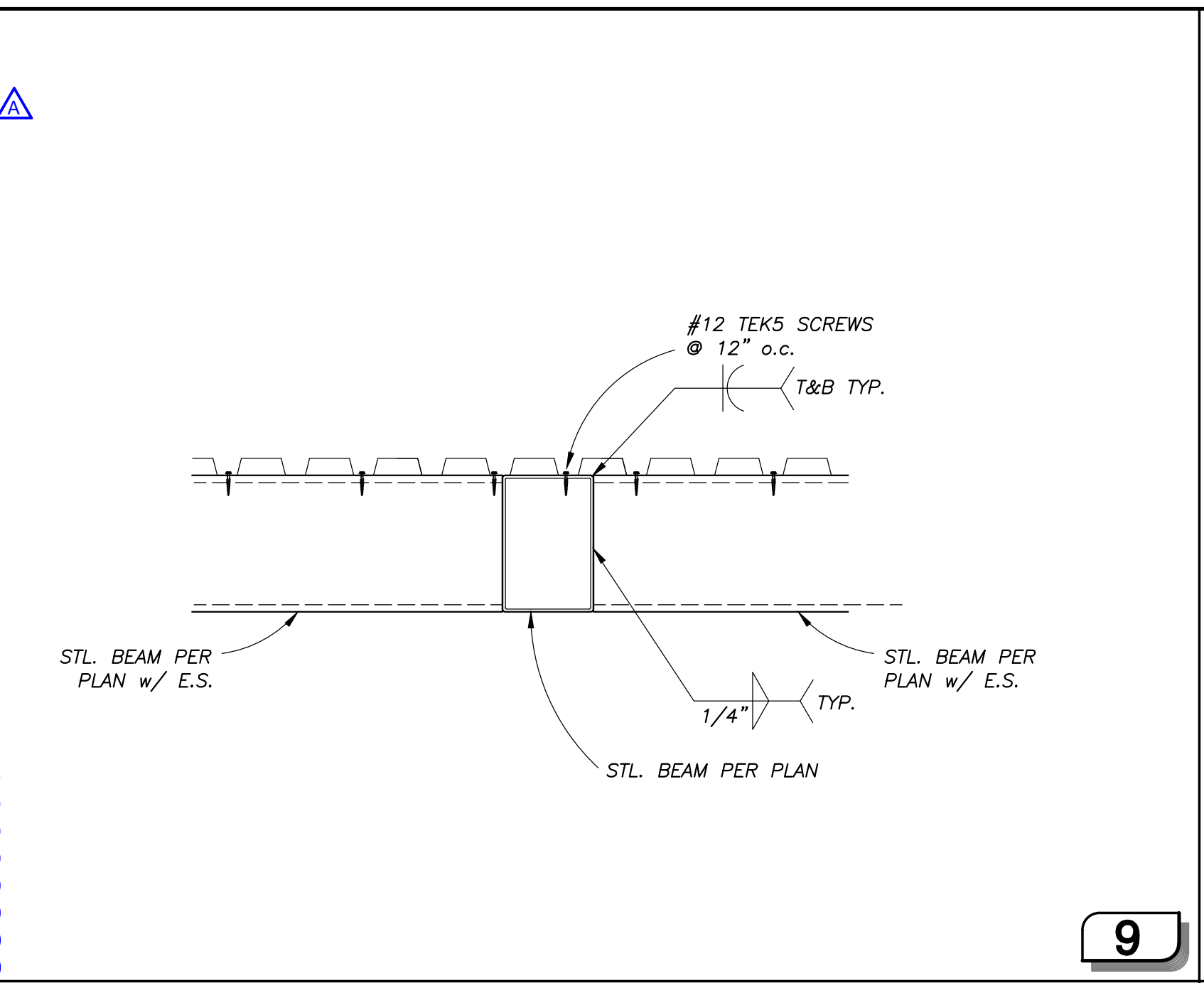
SHEET NO.  
**S-404**  
DATE: MARCH 23, 2022



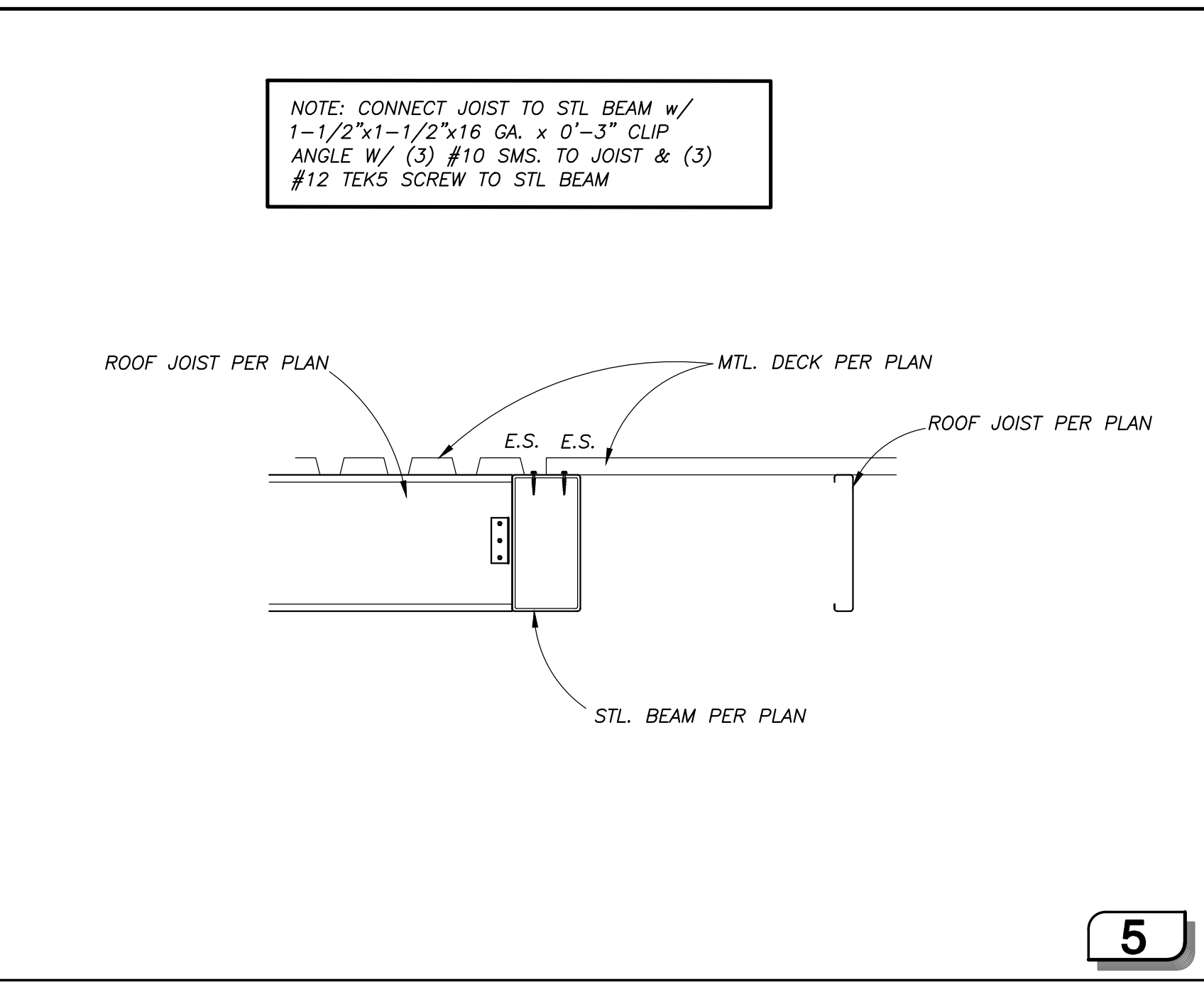
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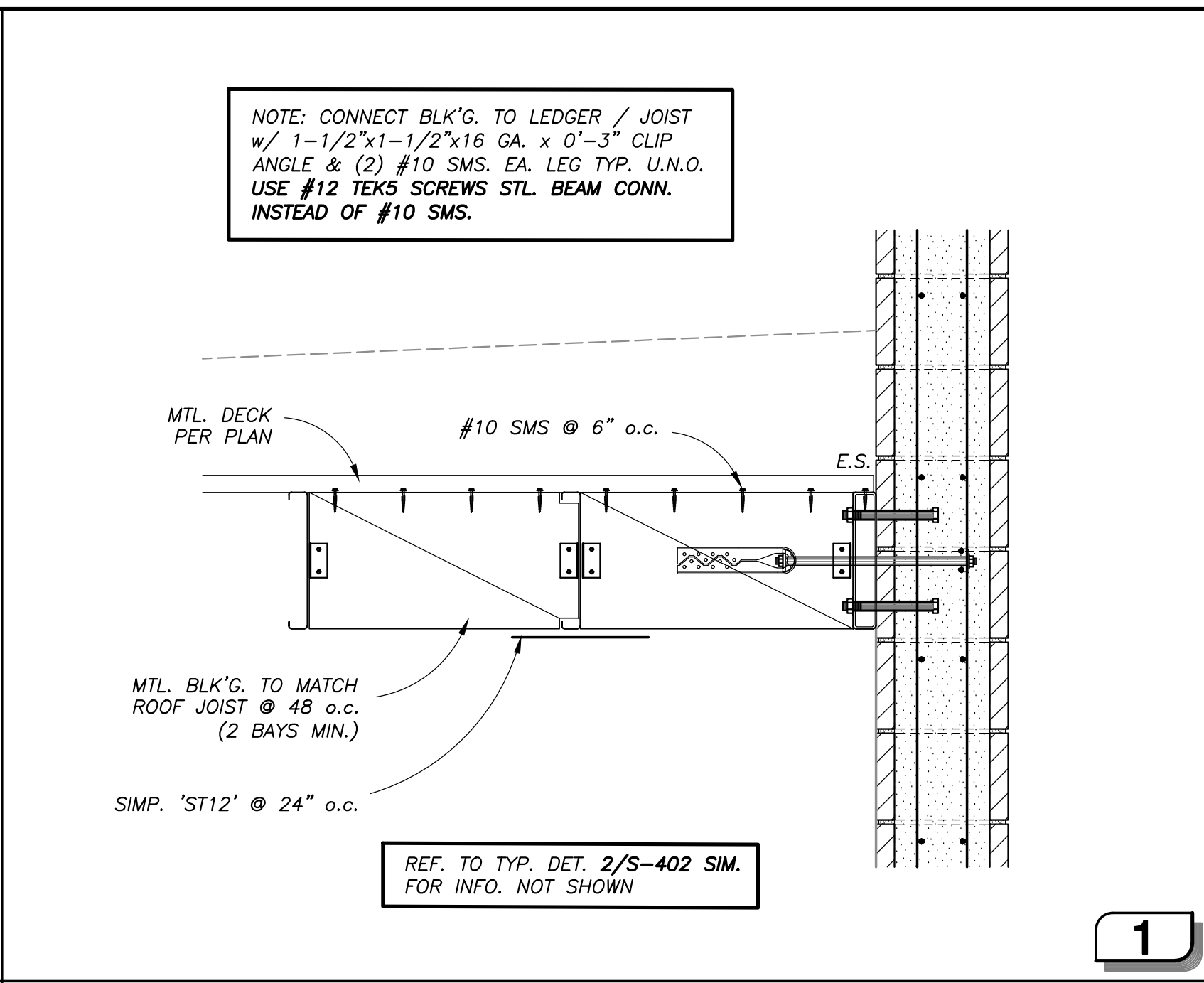
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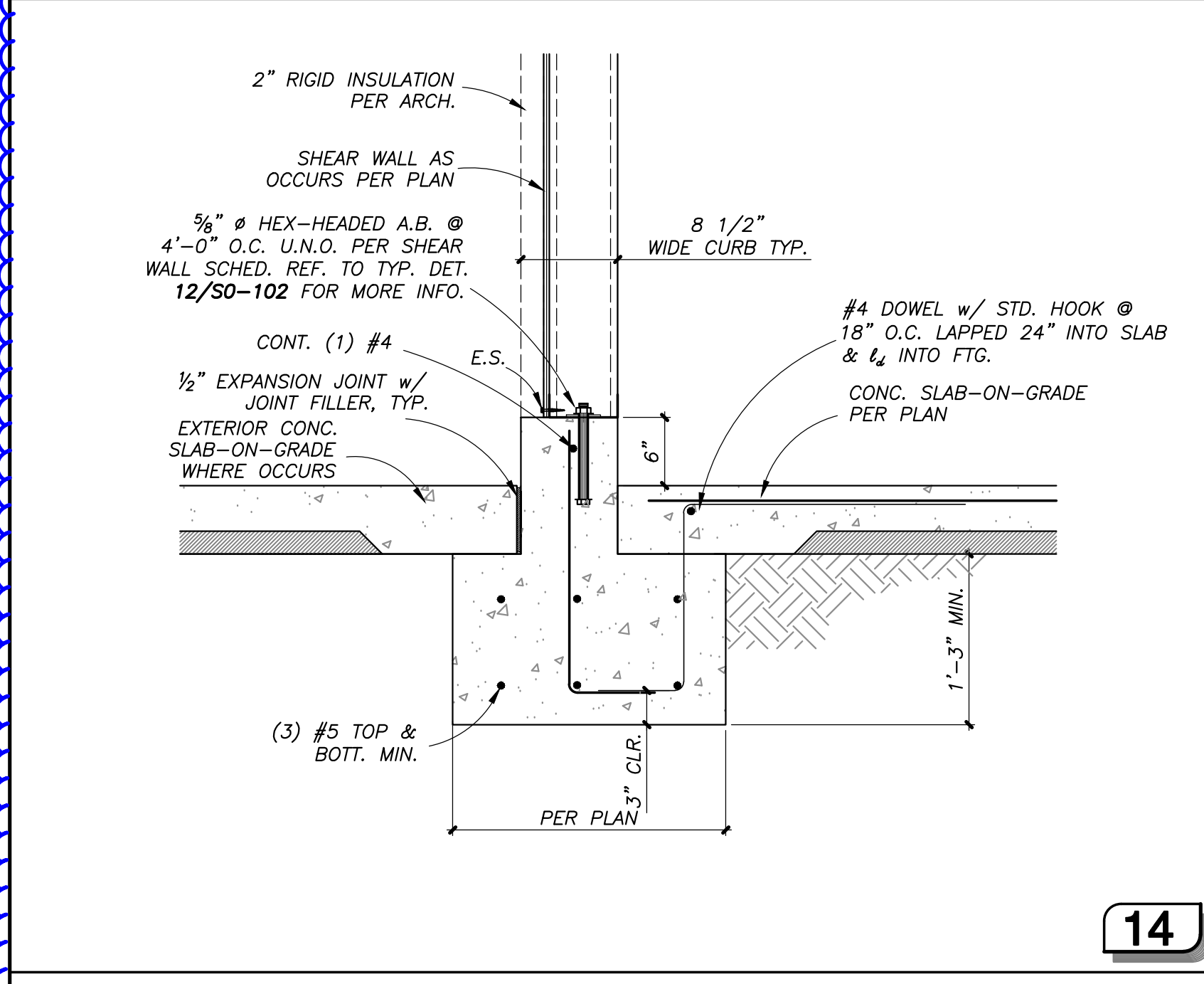
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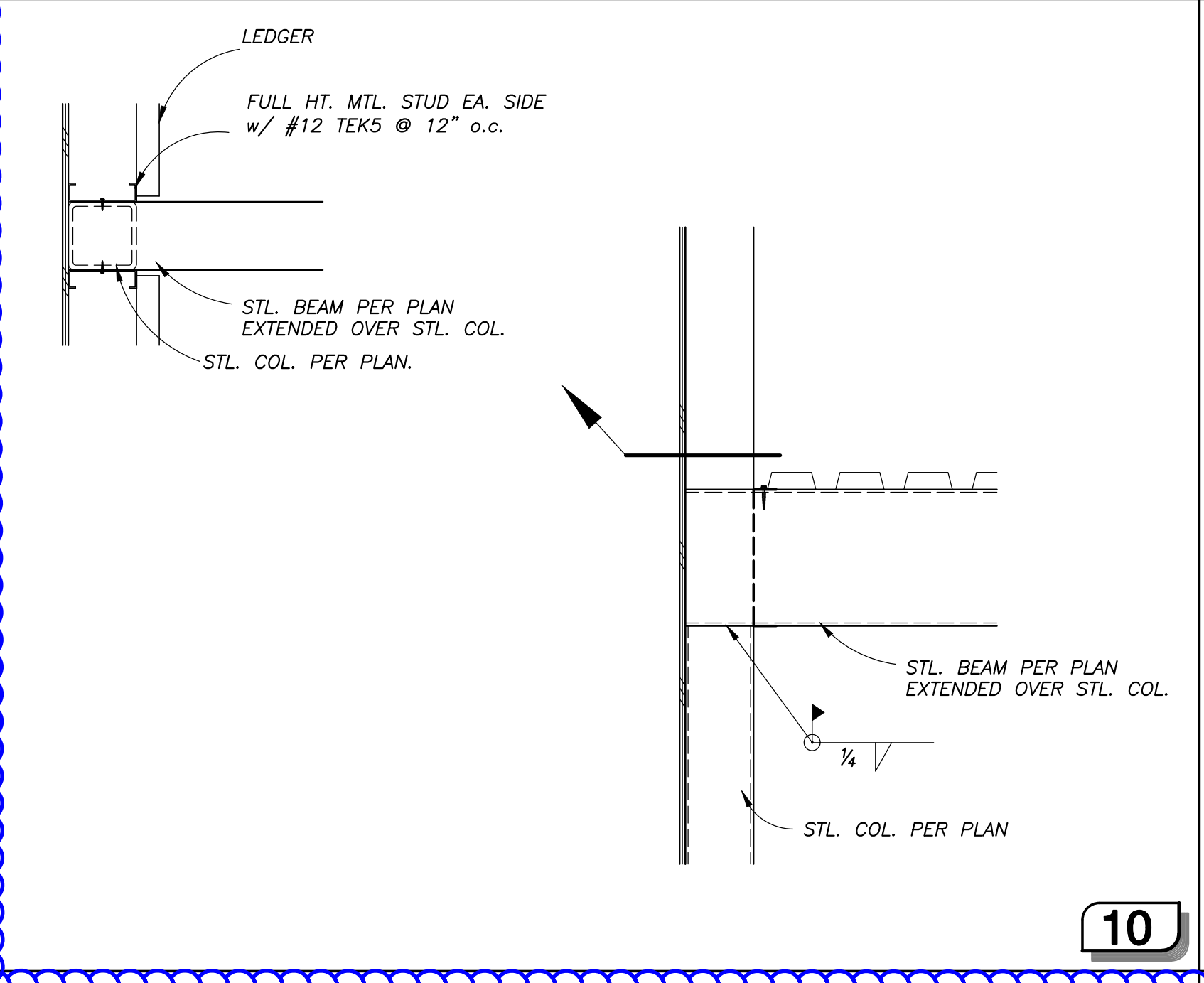
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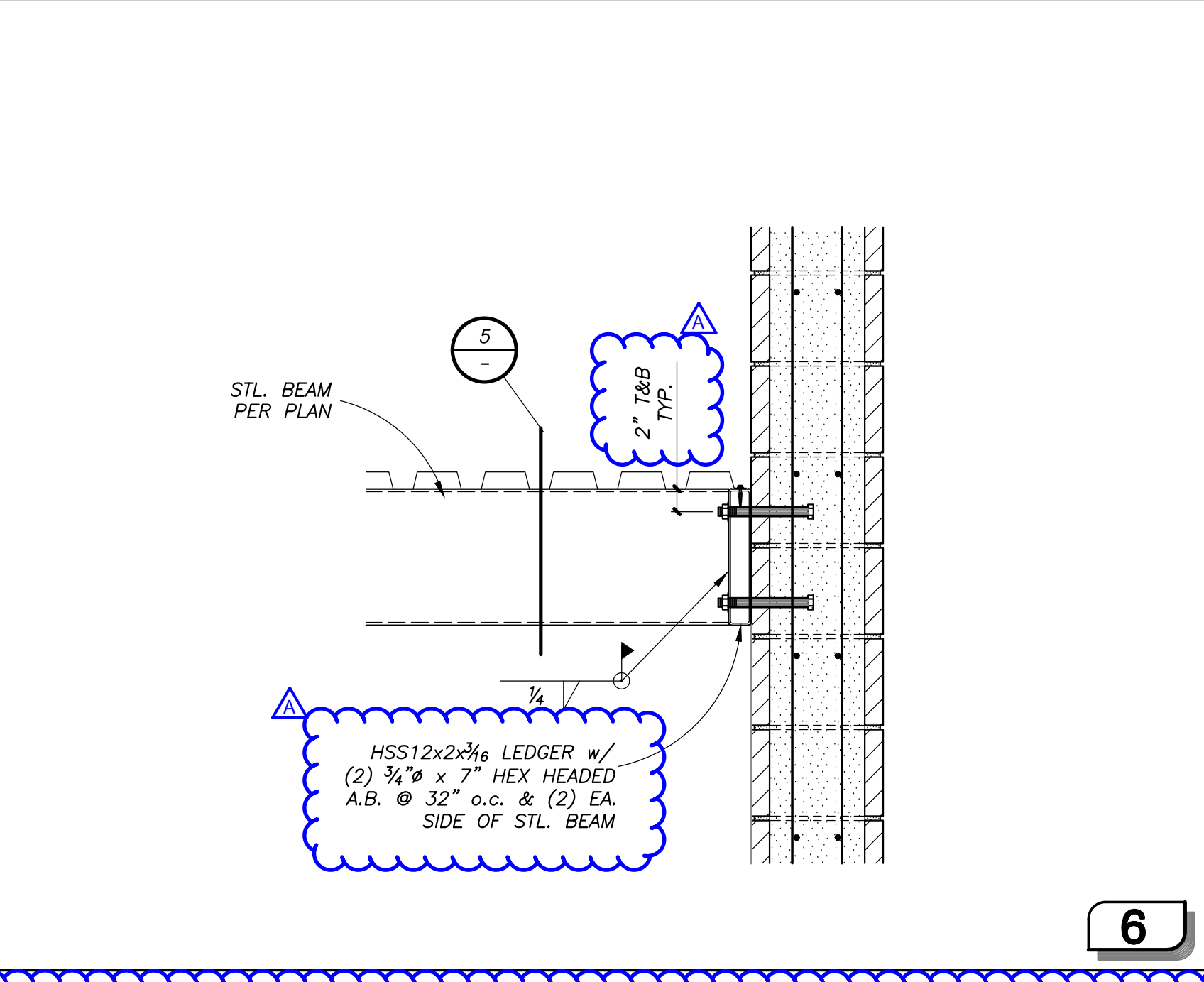
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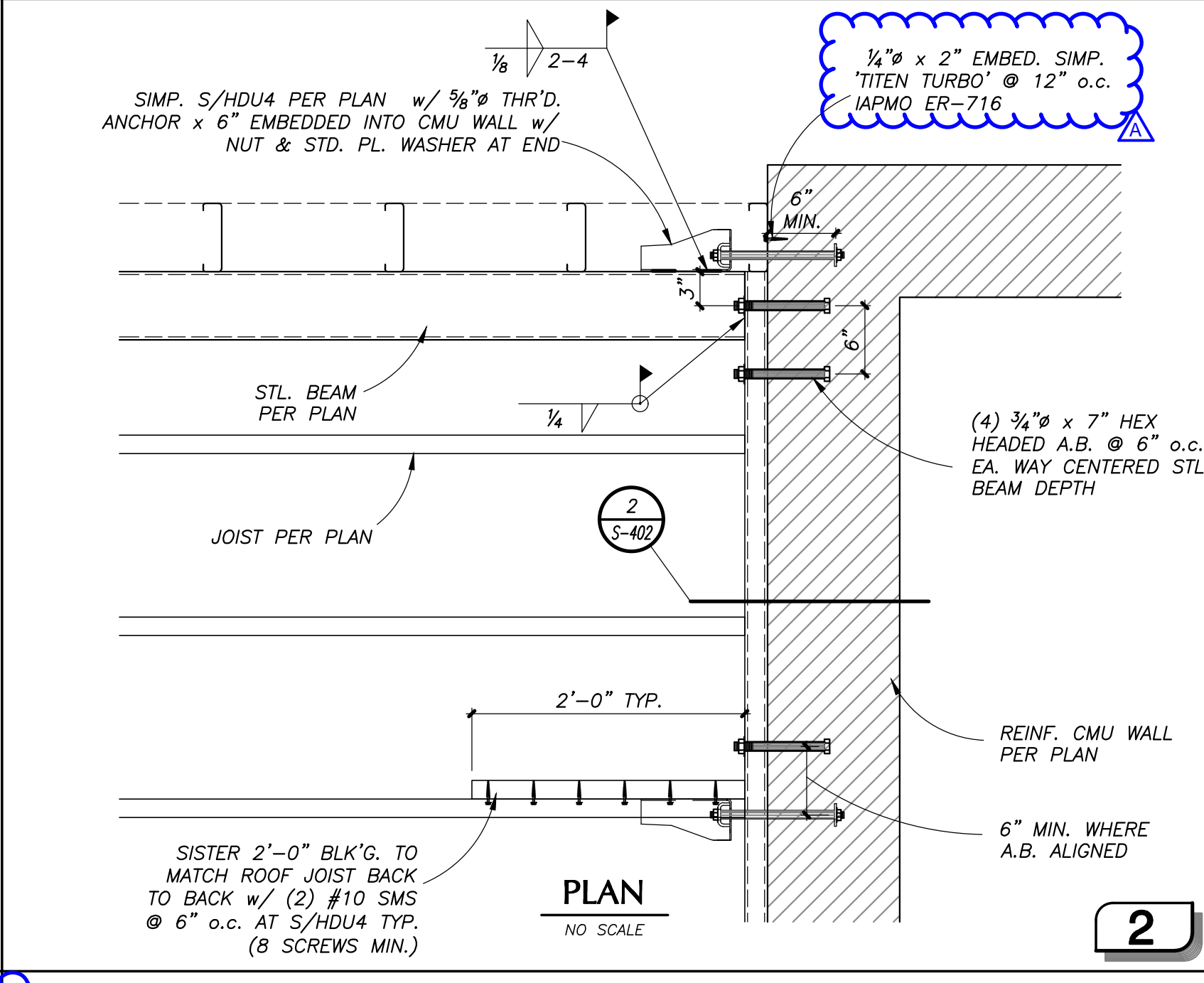
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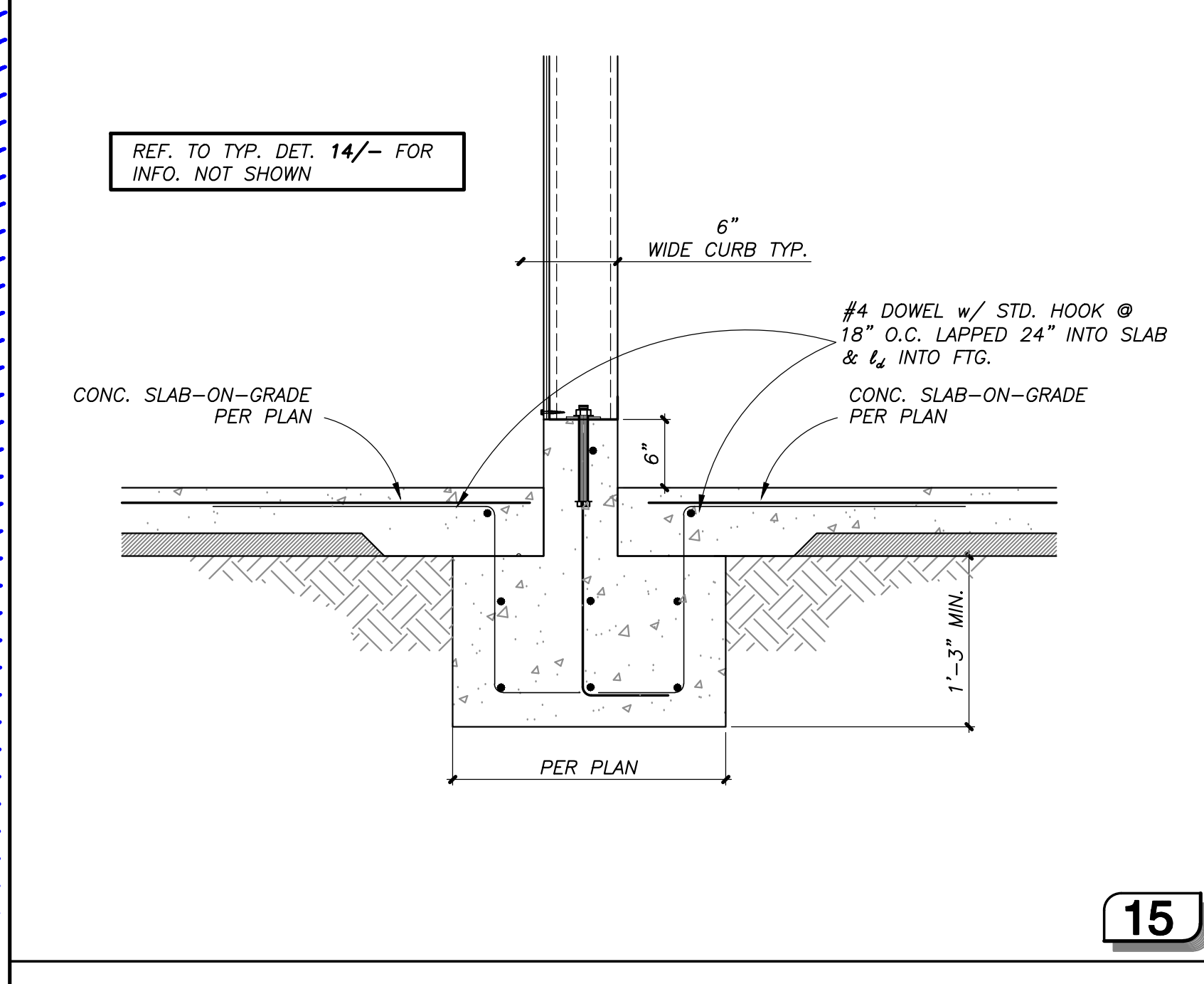
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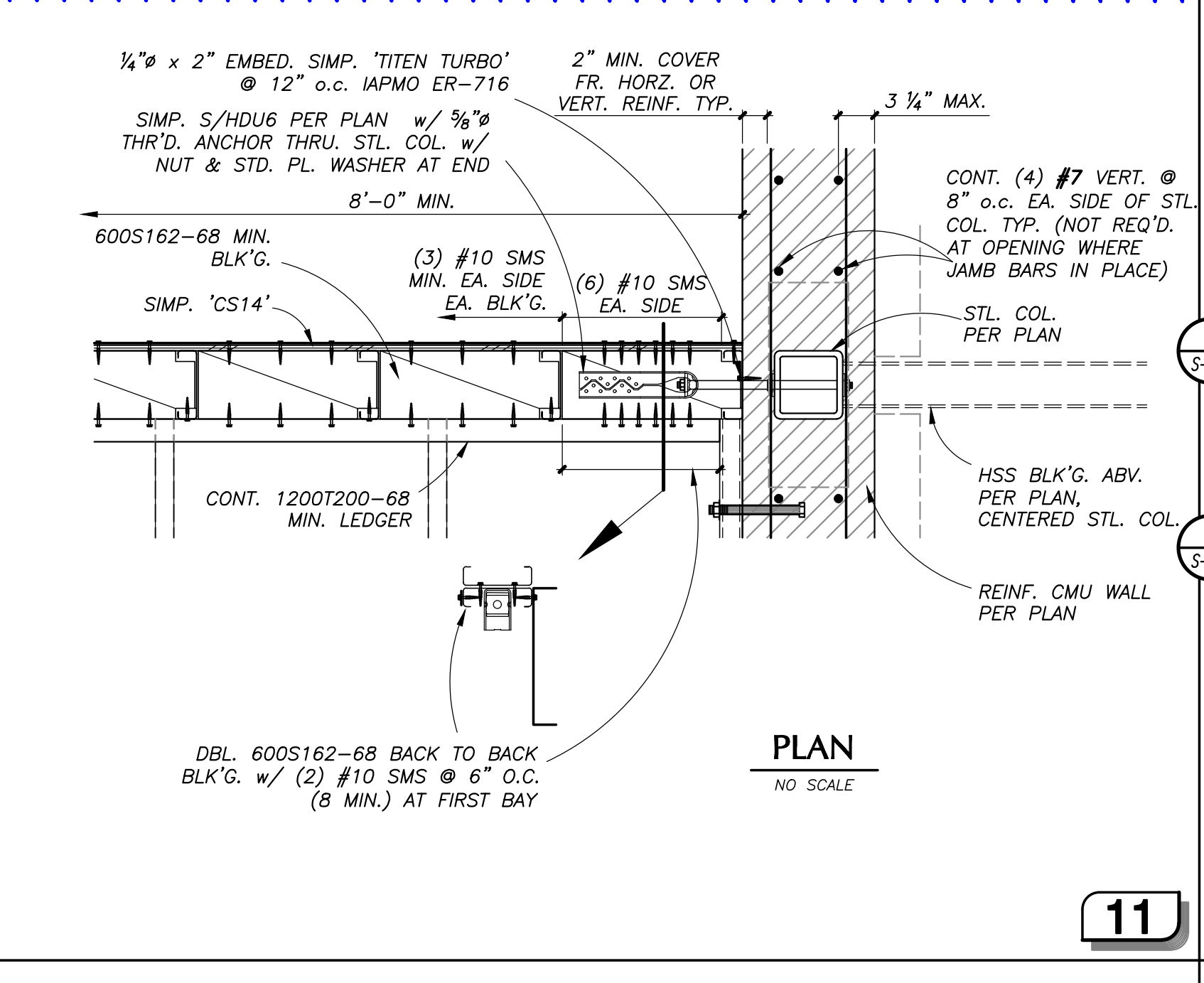
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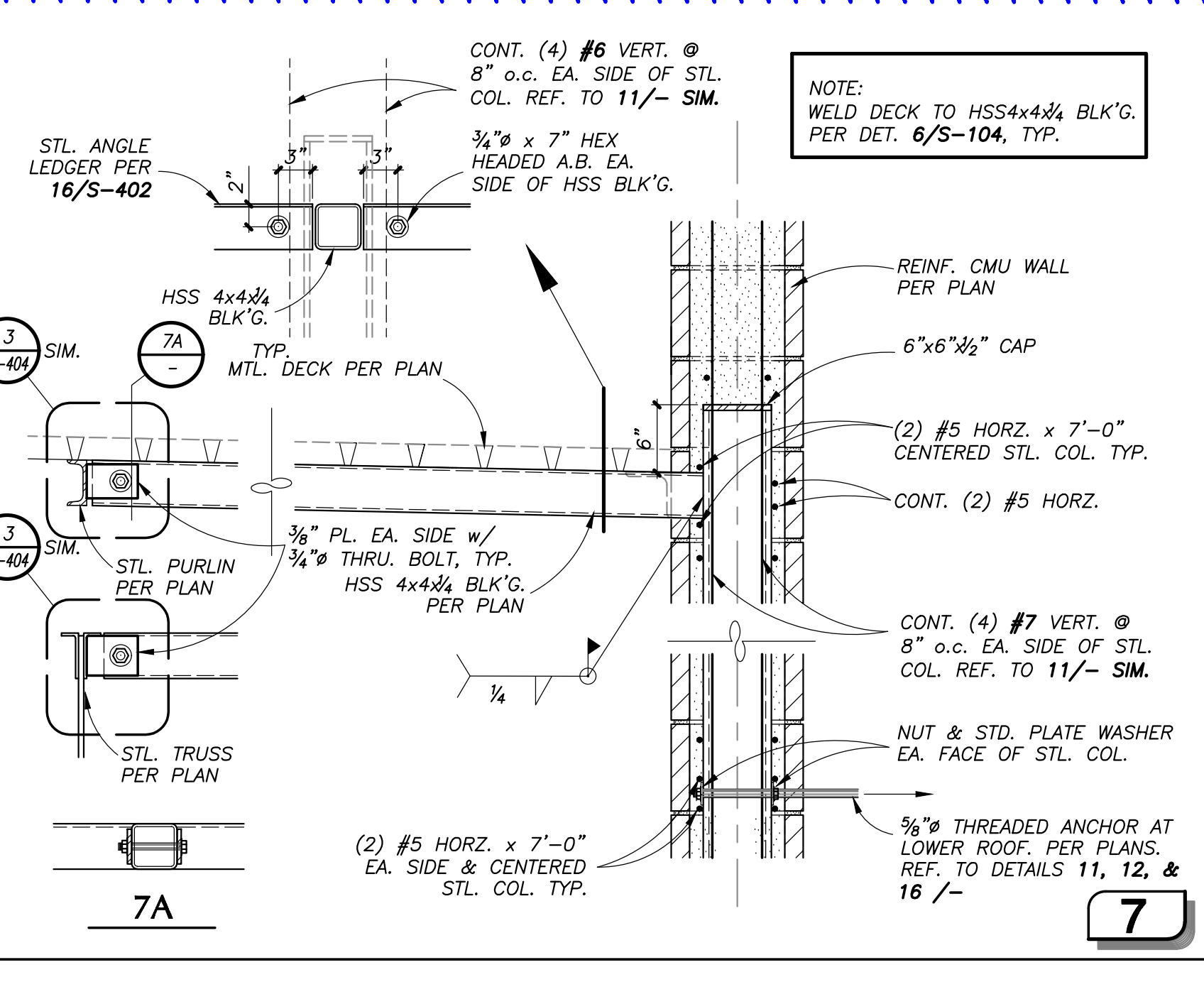
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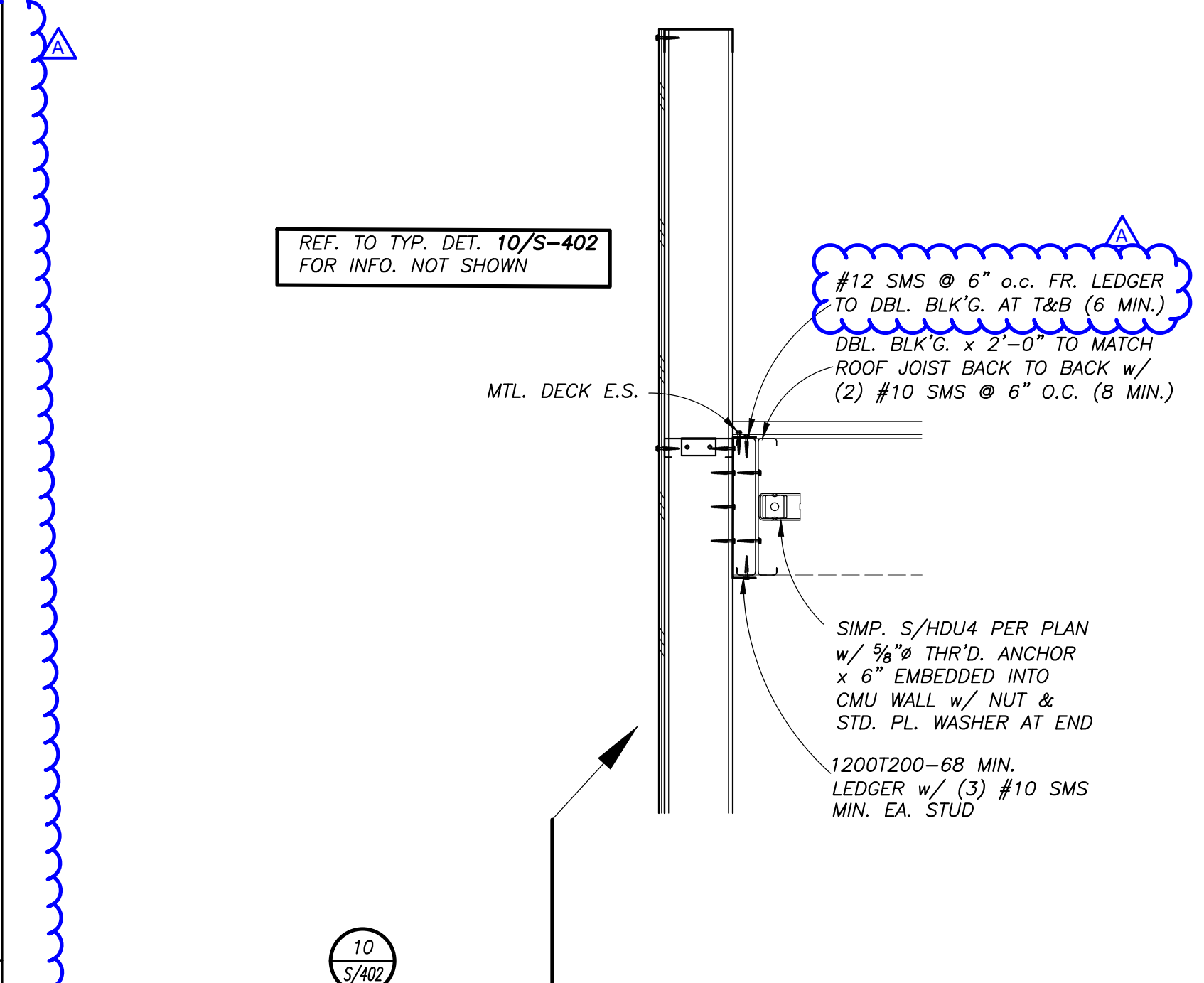
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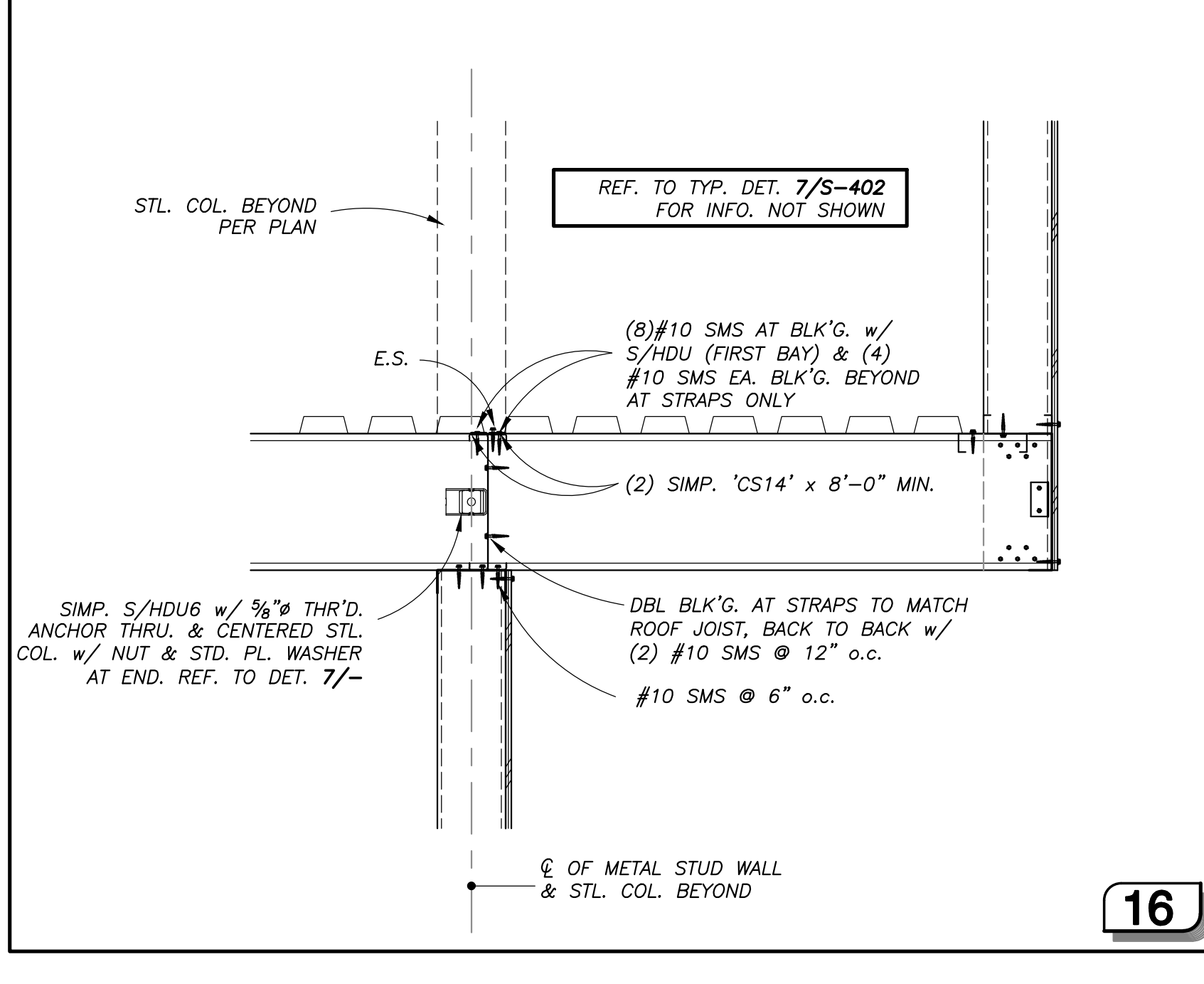
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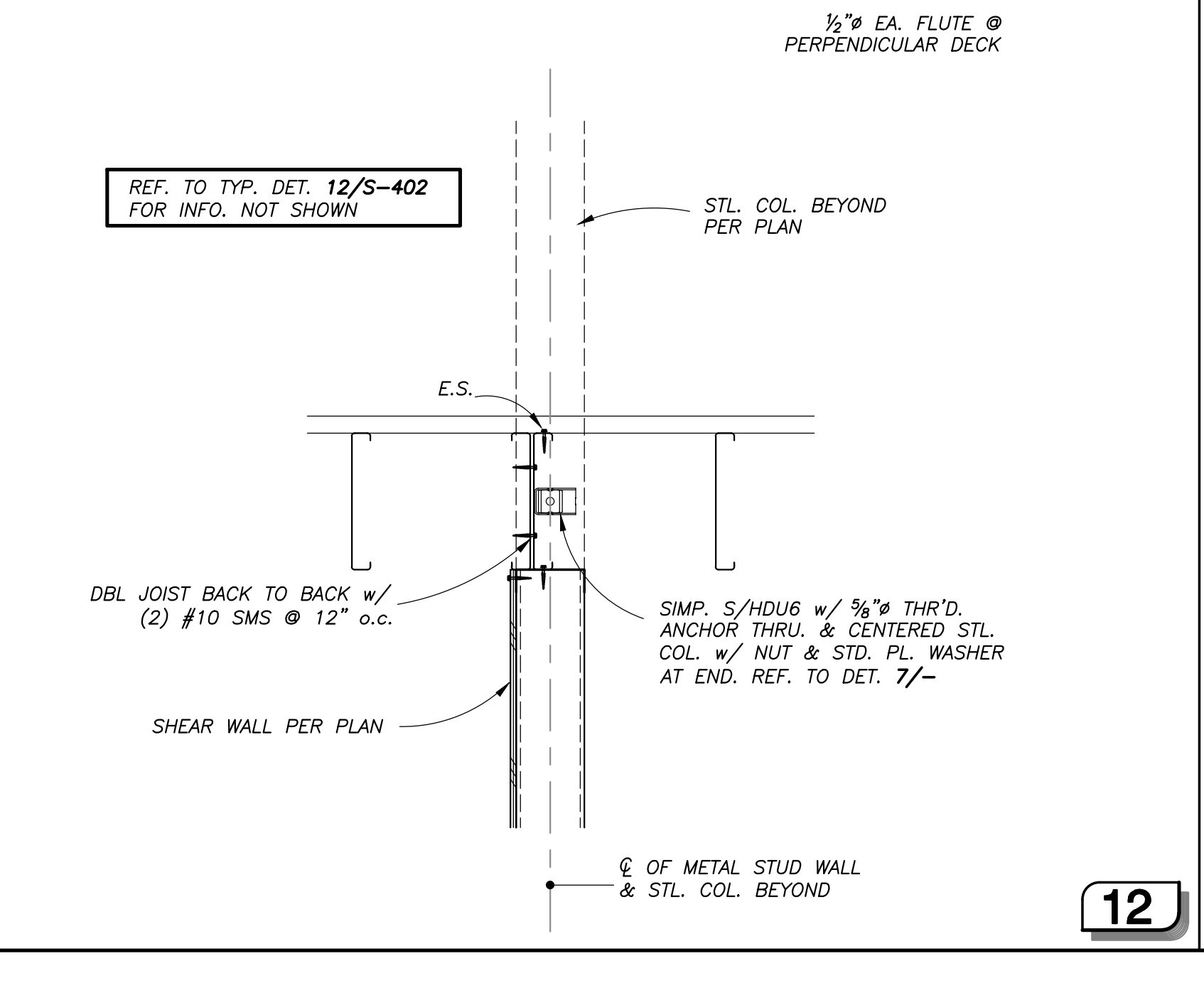
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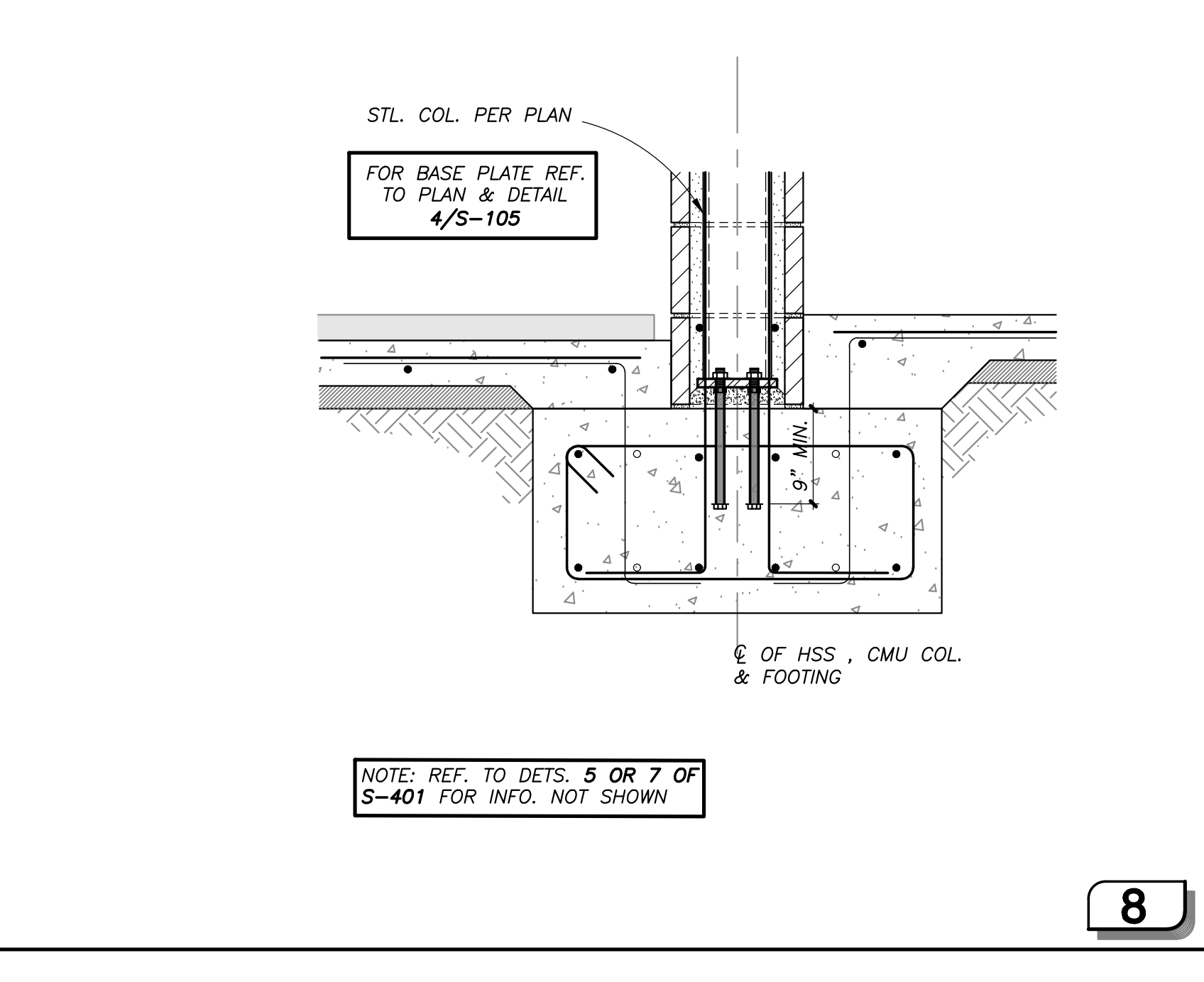
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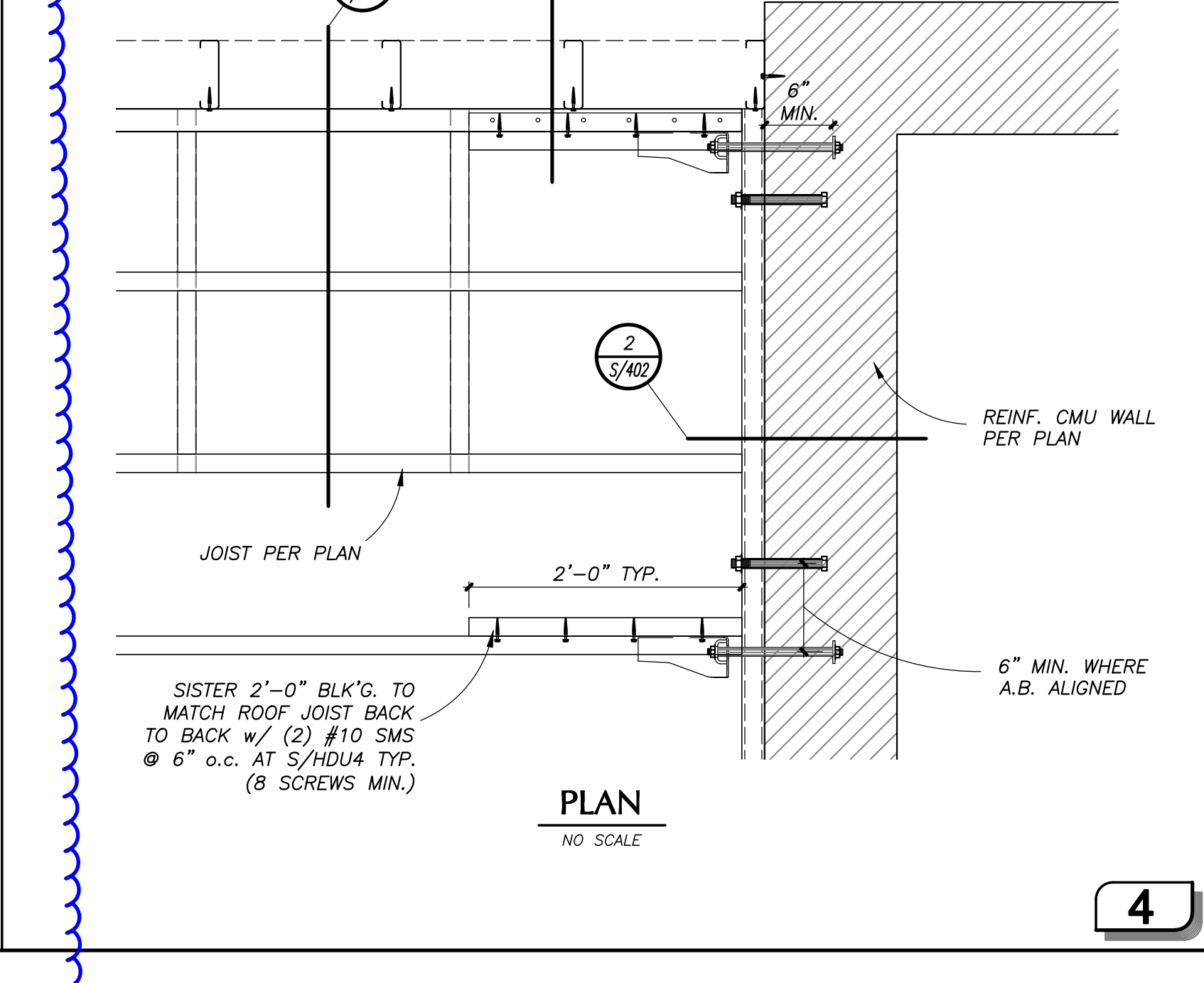
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4

ARCHITECT STAMP: LICENSED ARCHITECT, RAY BLUMENKRANDER, No. 4981, State of California. CONSULTANT STAMP: REGISTERED PROFESSIONAL ENGINEER, No. 4981, State of California.

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ORCUTT ACADEMY HS MUR BUILDING, 610 Pinal Avenue, Orcutt, CA 93455

SHEET TITLE: STRUCTURAL DETAILS

DRAWN BY: VB, JOB NUMBER: 21025

SHEET NO.: S-405, DATE: MARCH 23, 2022

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 CIVIL ENGINEER  
 STANTEC CONSULTING SERVICES INC.  
 111 East Victoria Street  
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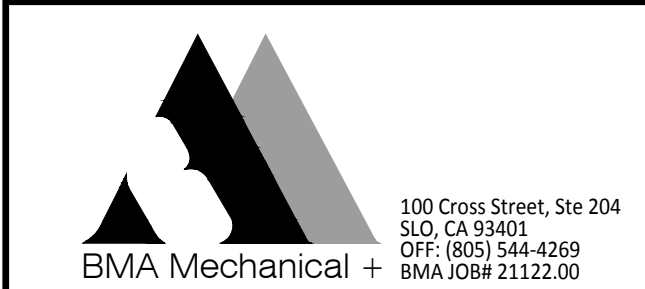
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 TEL (805) 548-8000

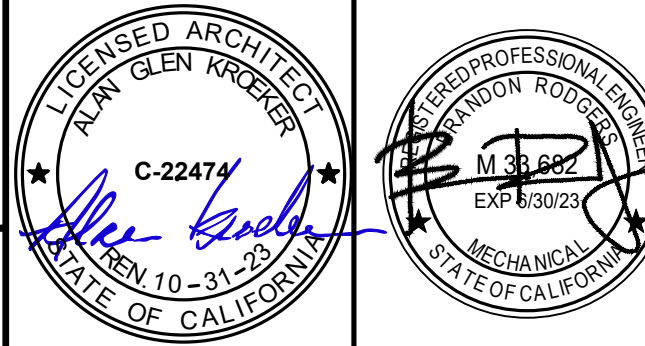
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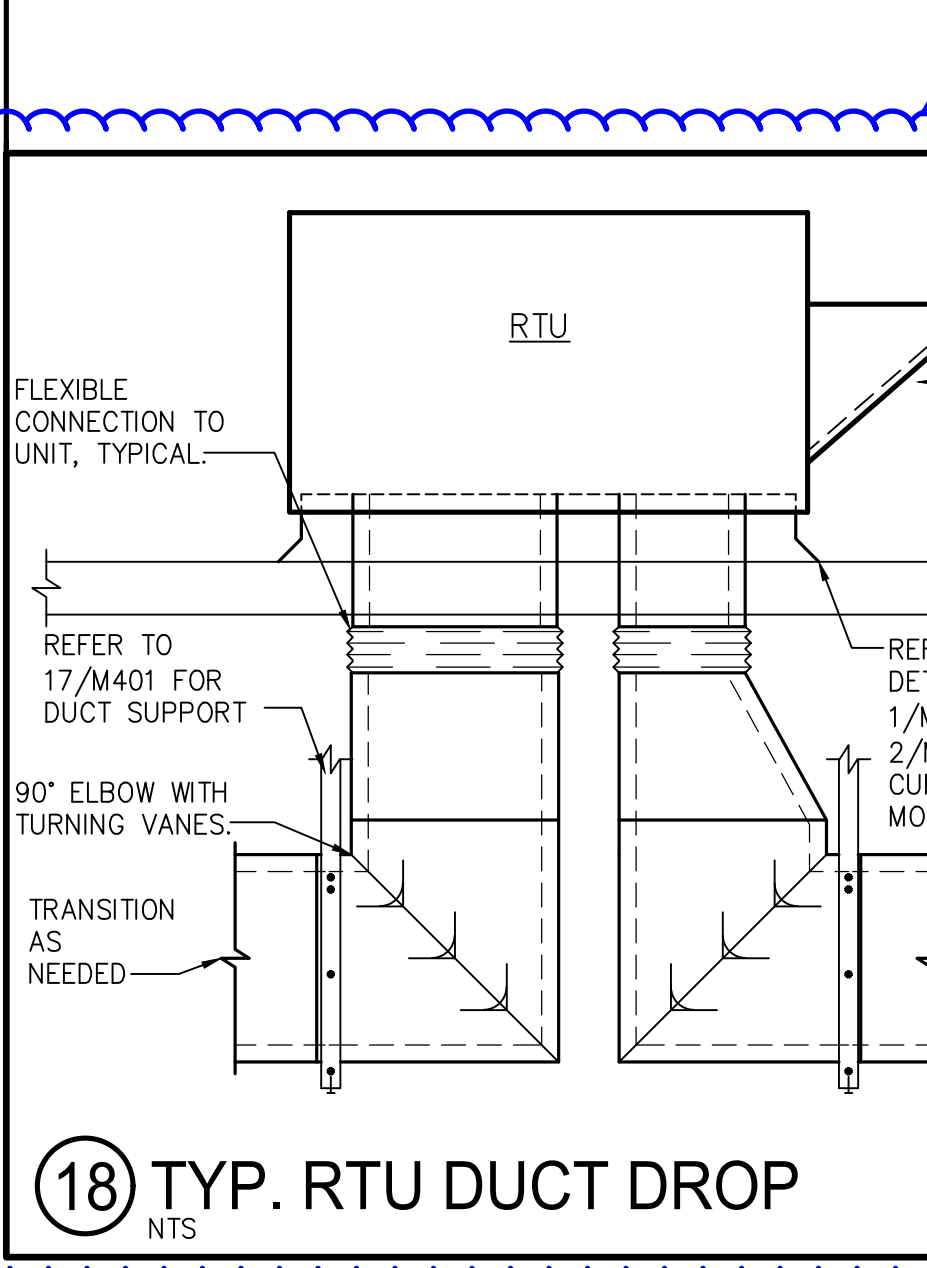
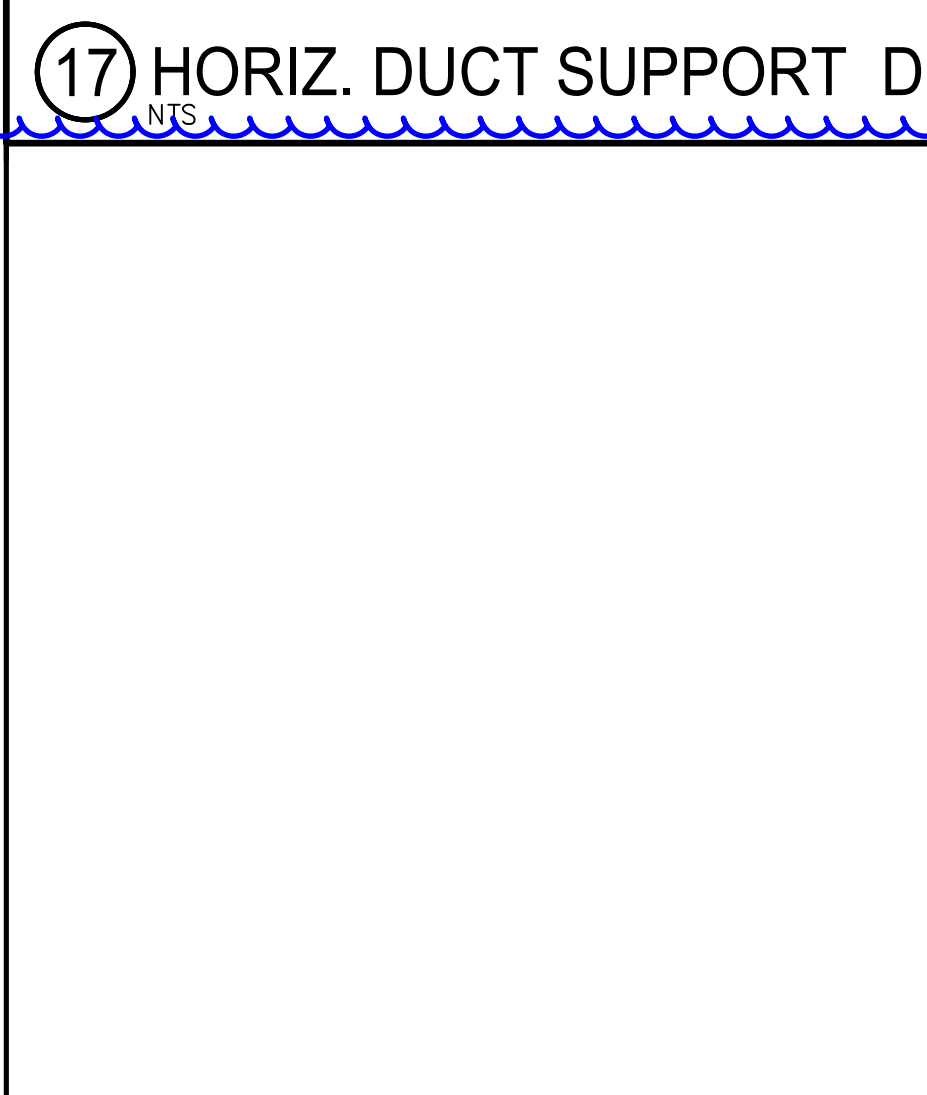
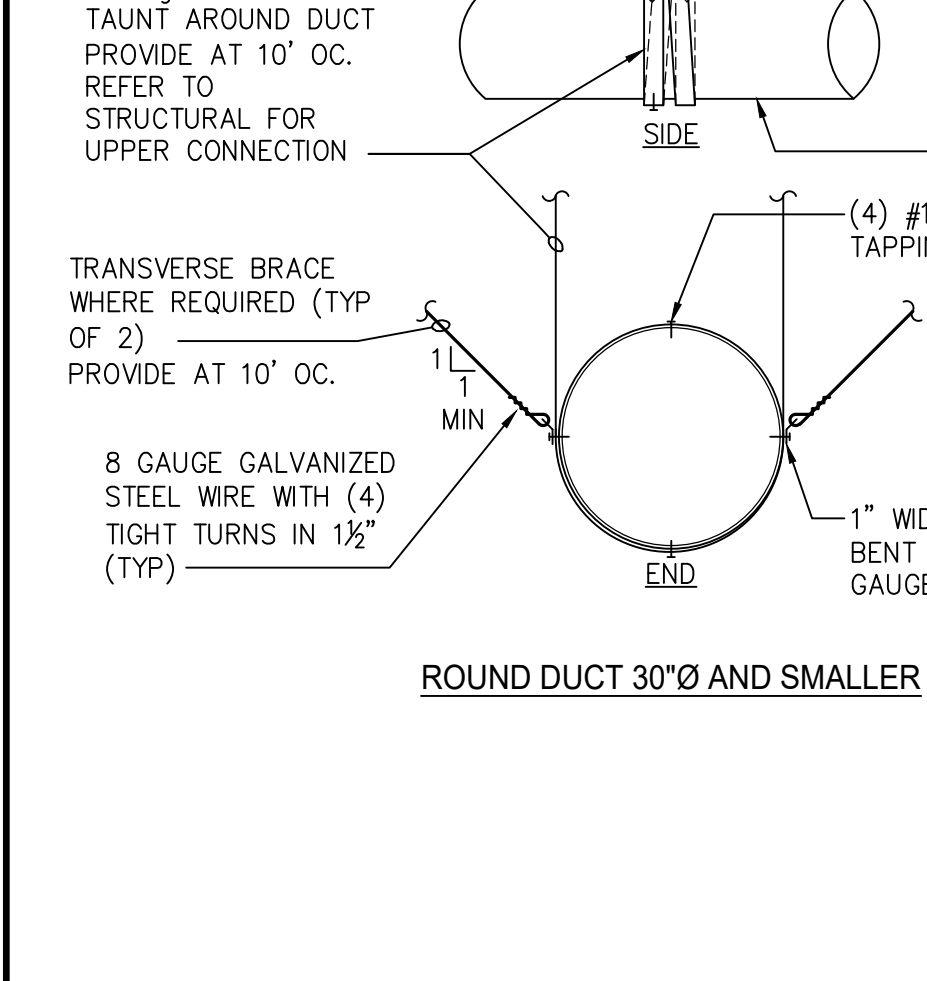
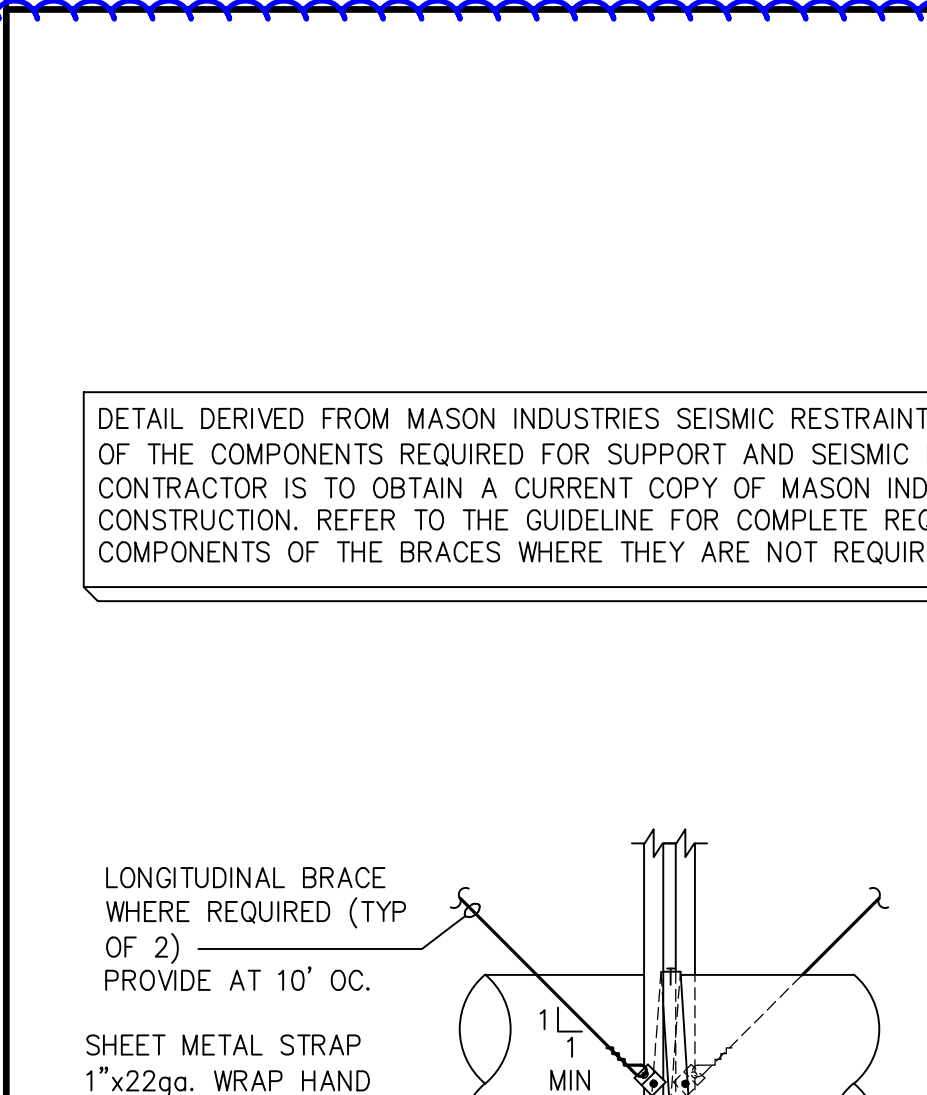
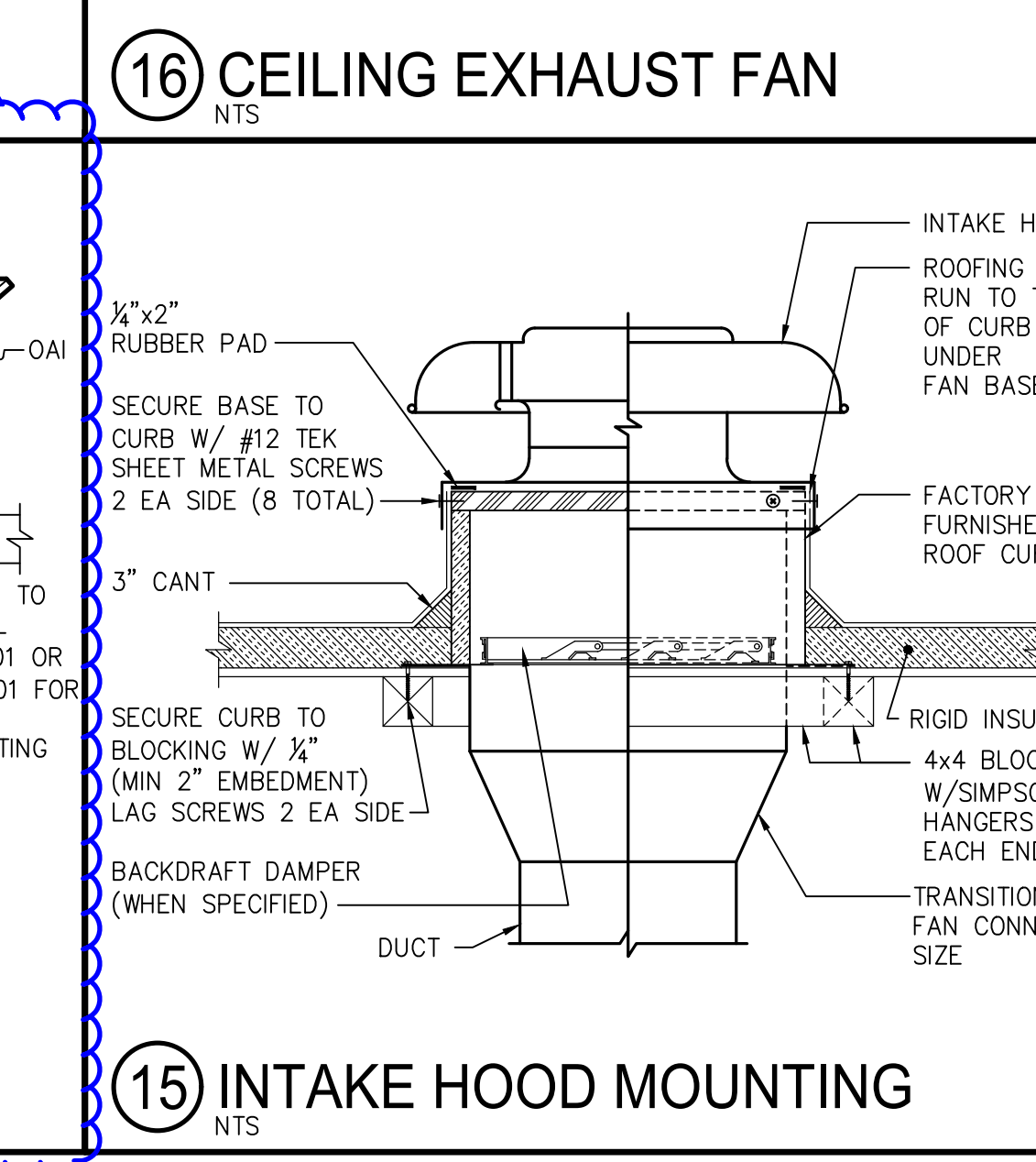
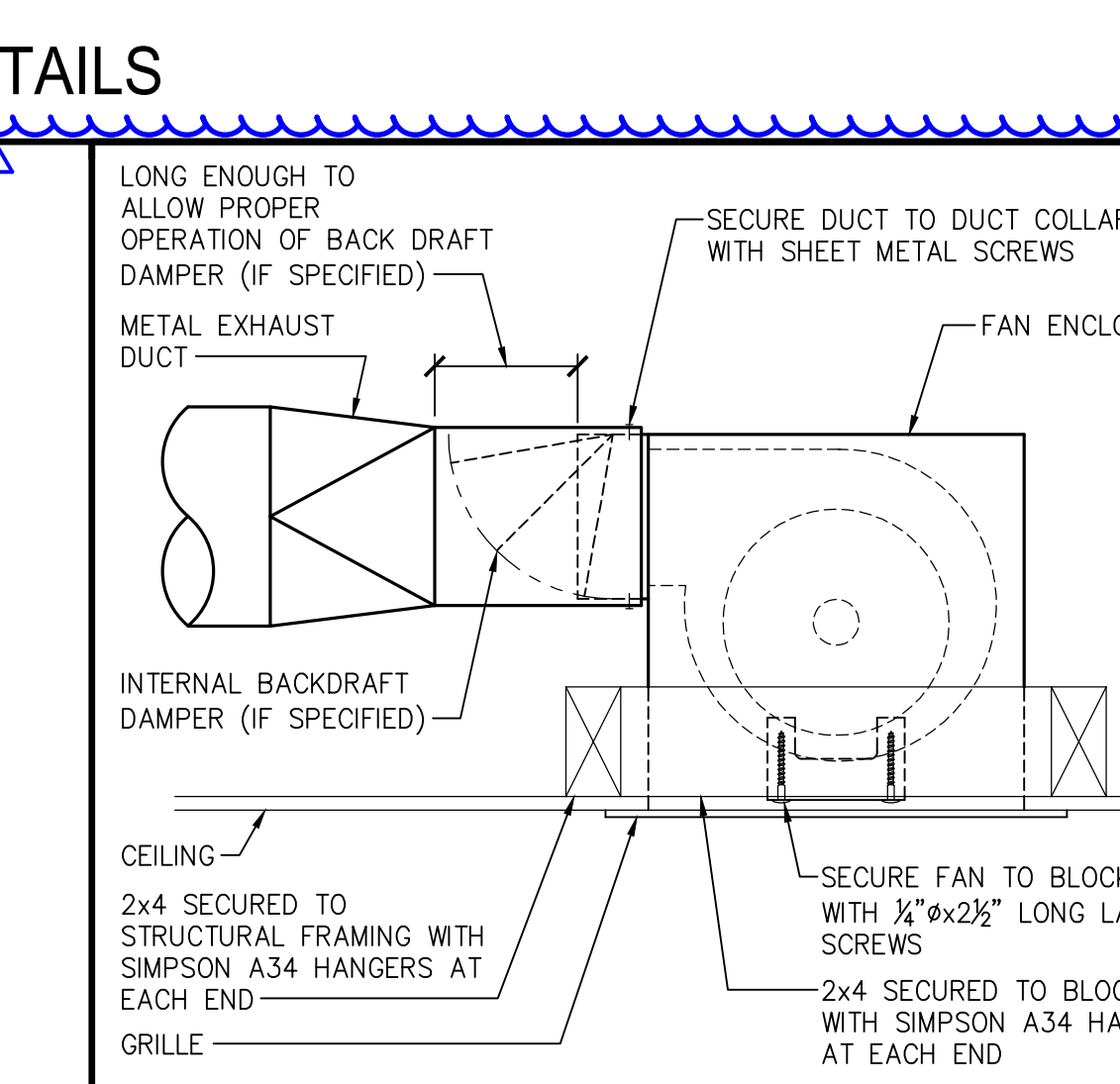
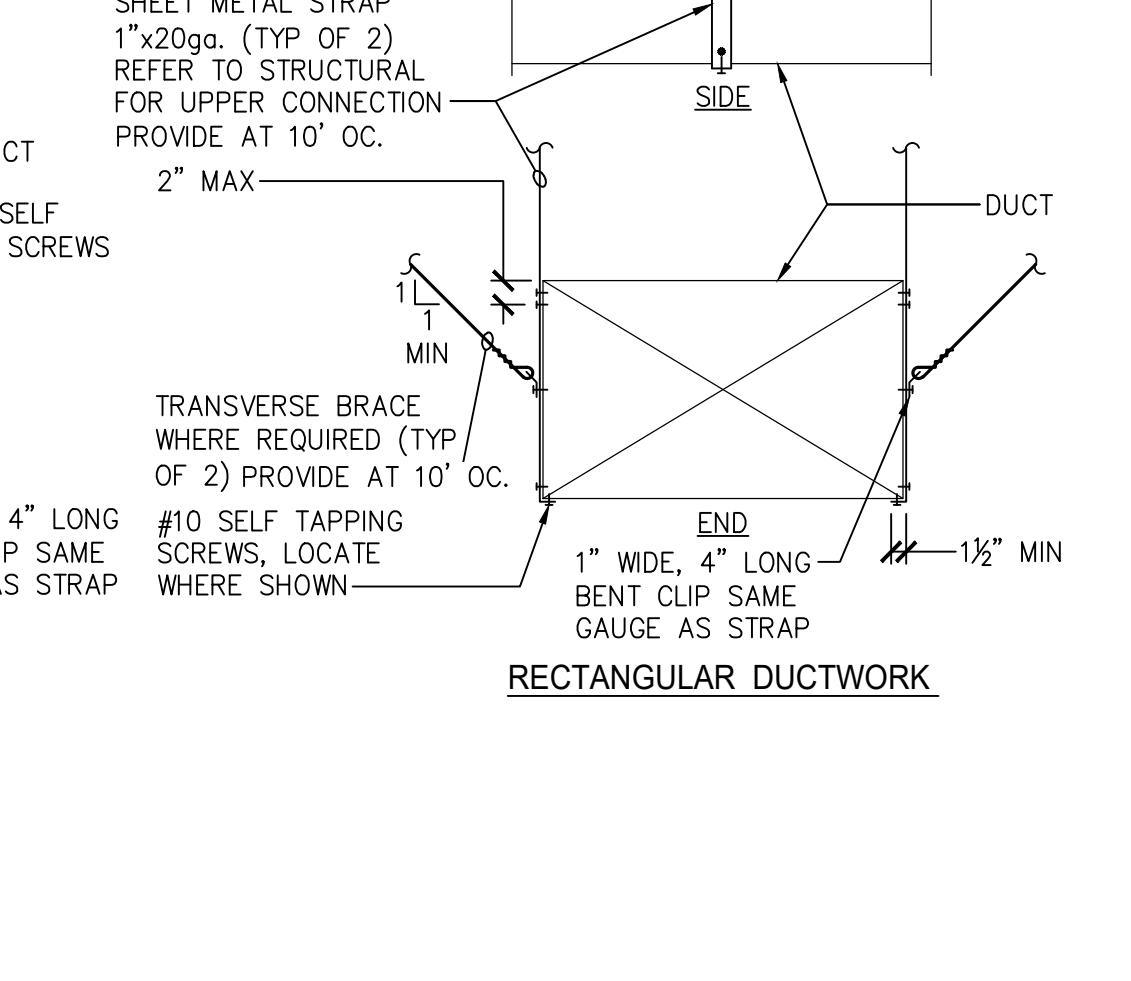
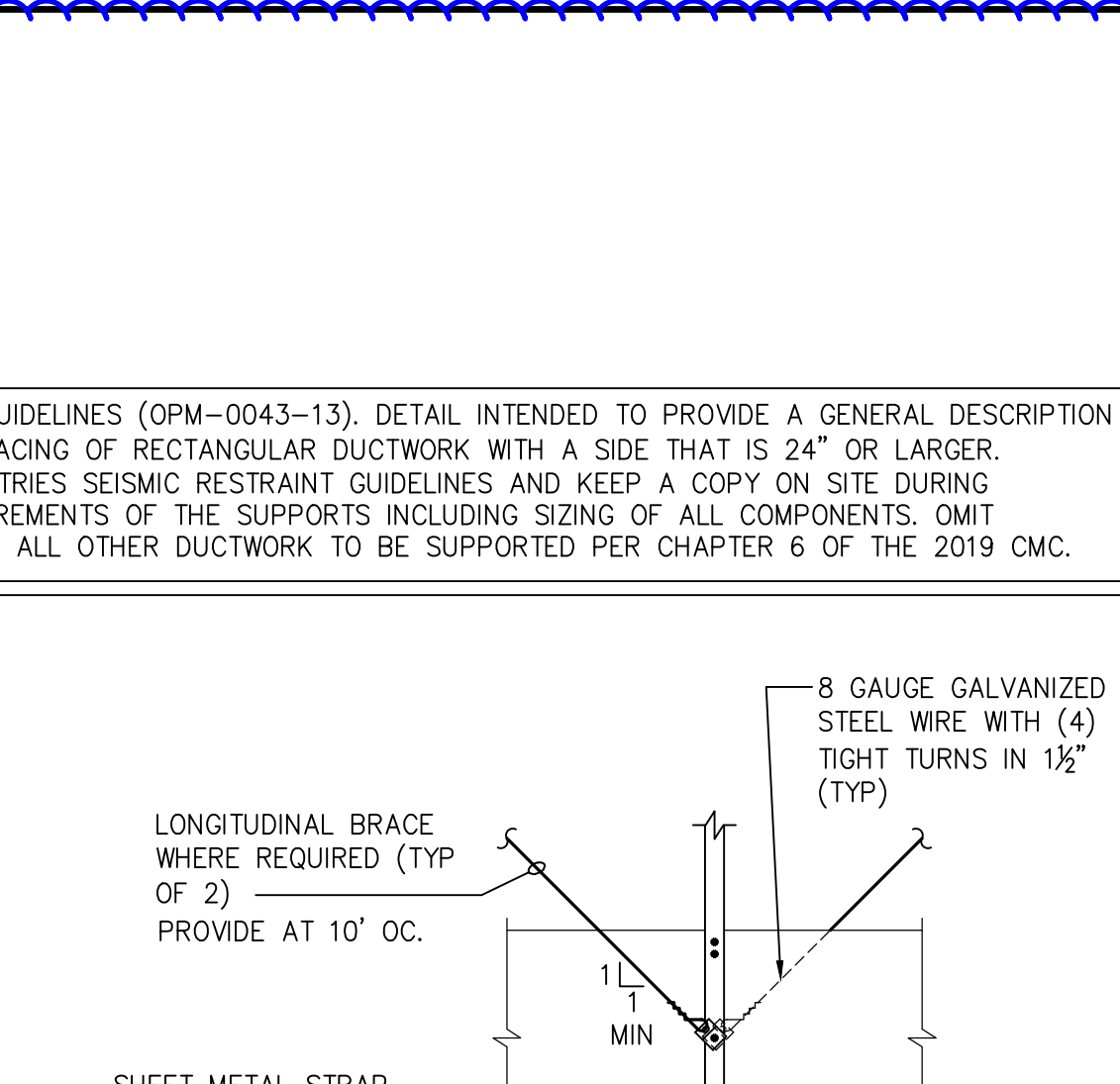
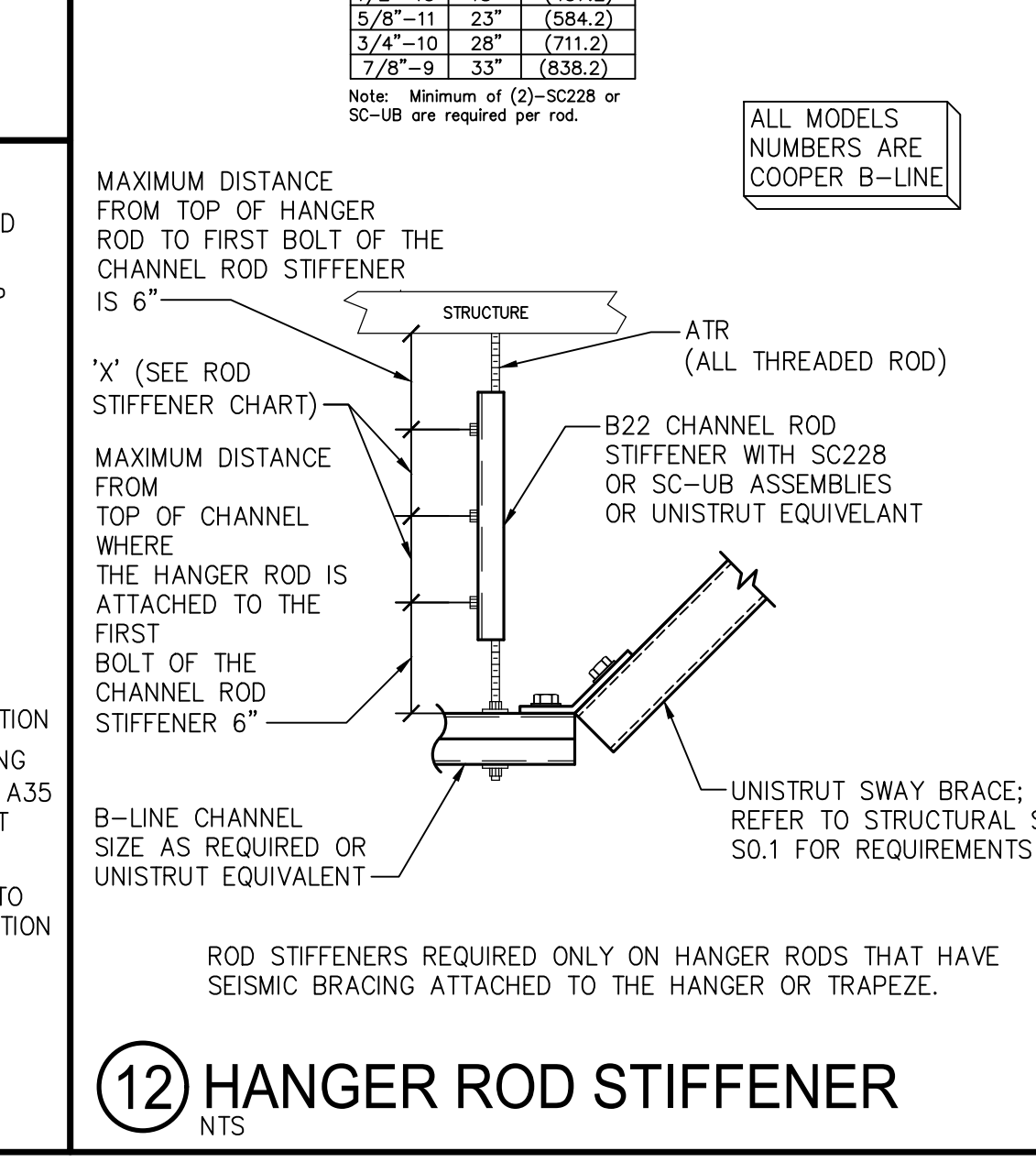
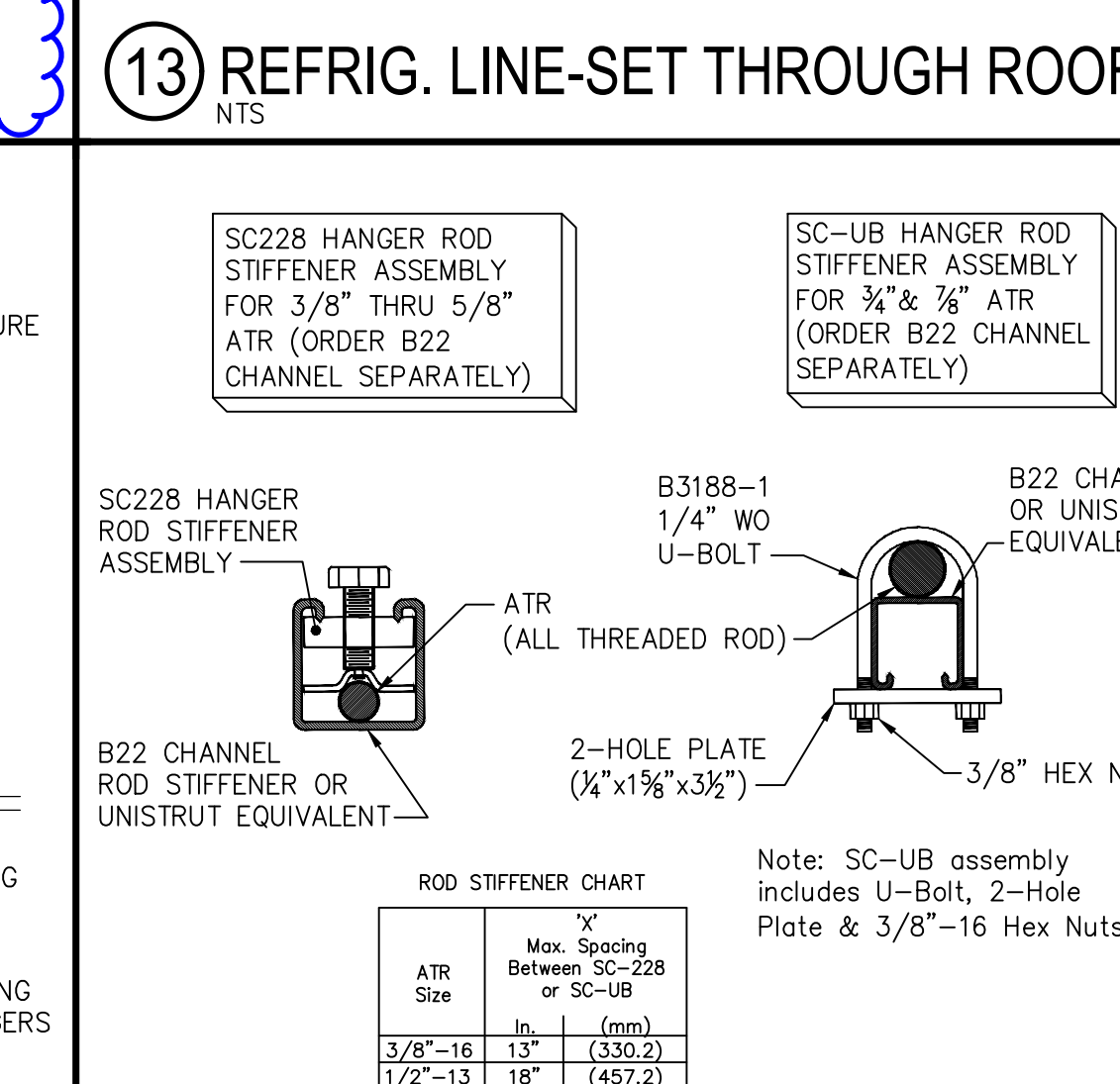
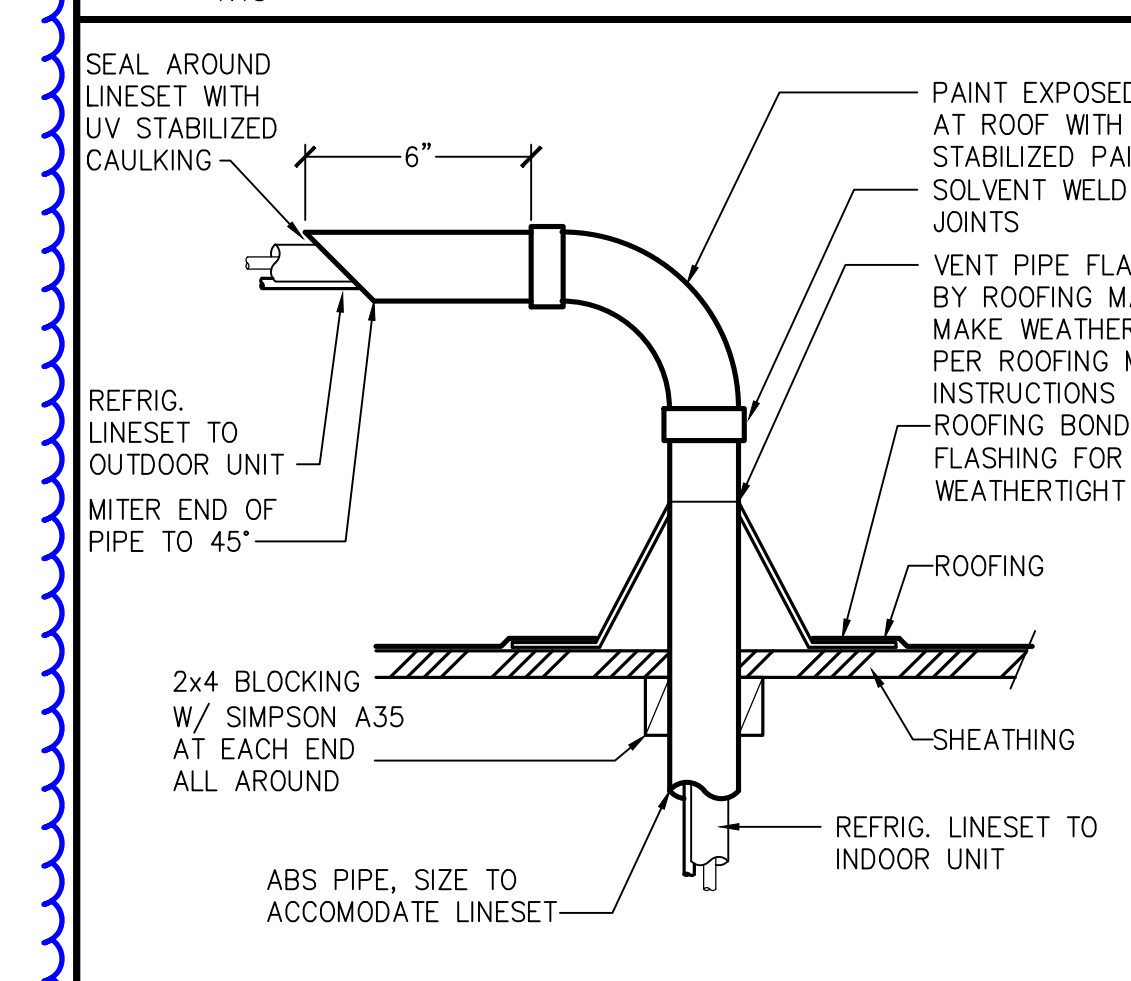
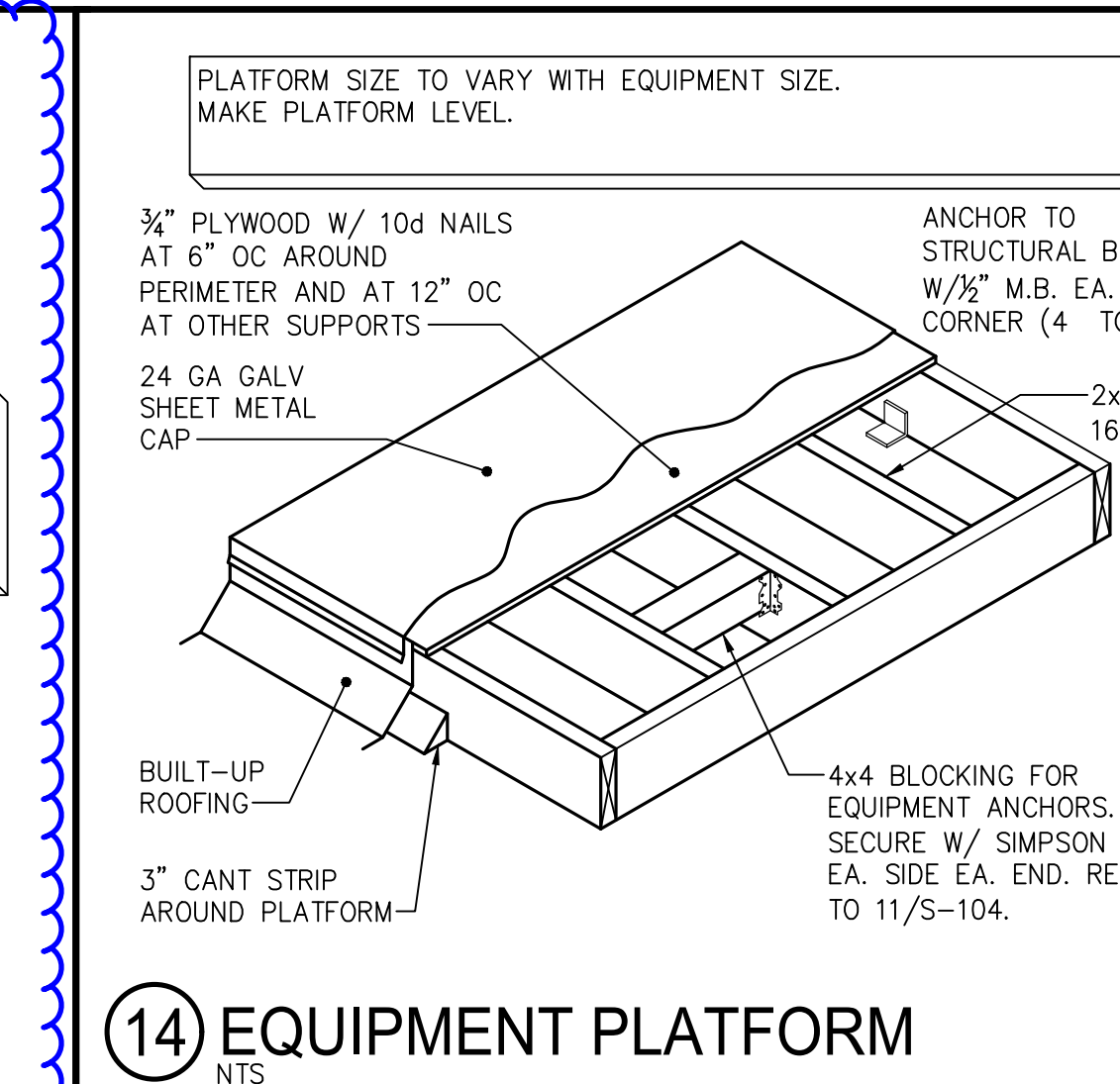
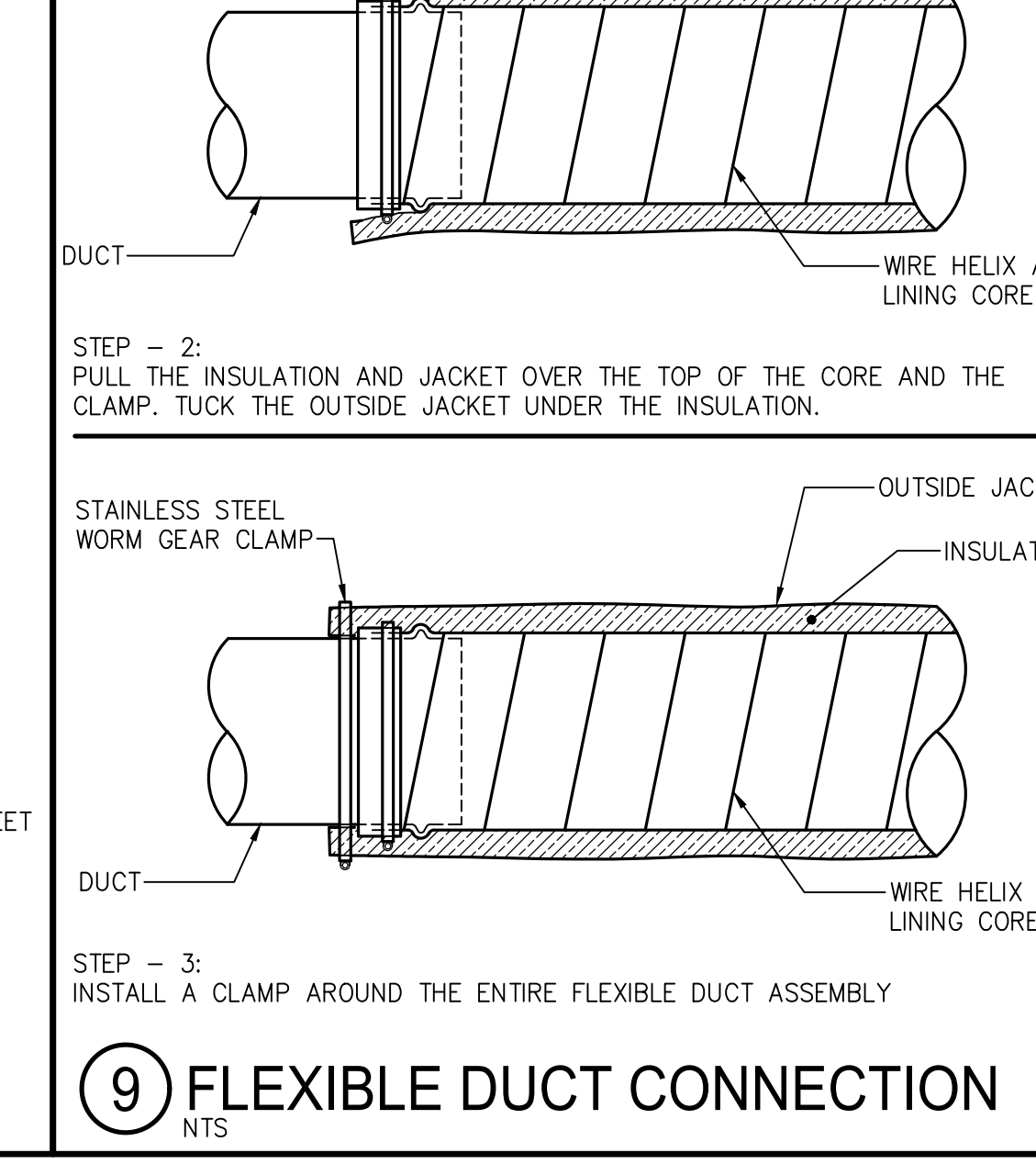
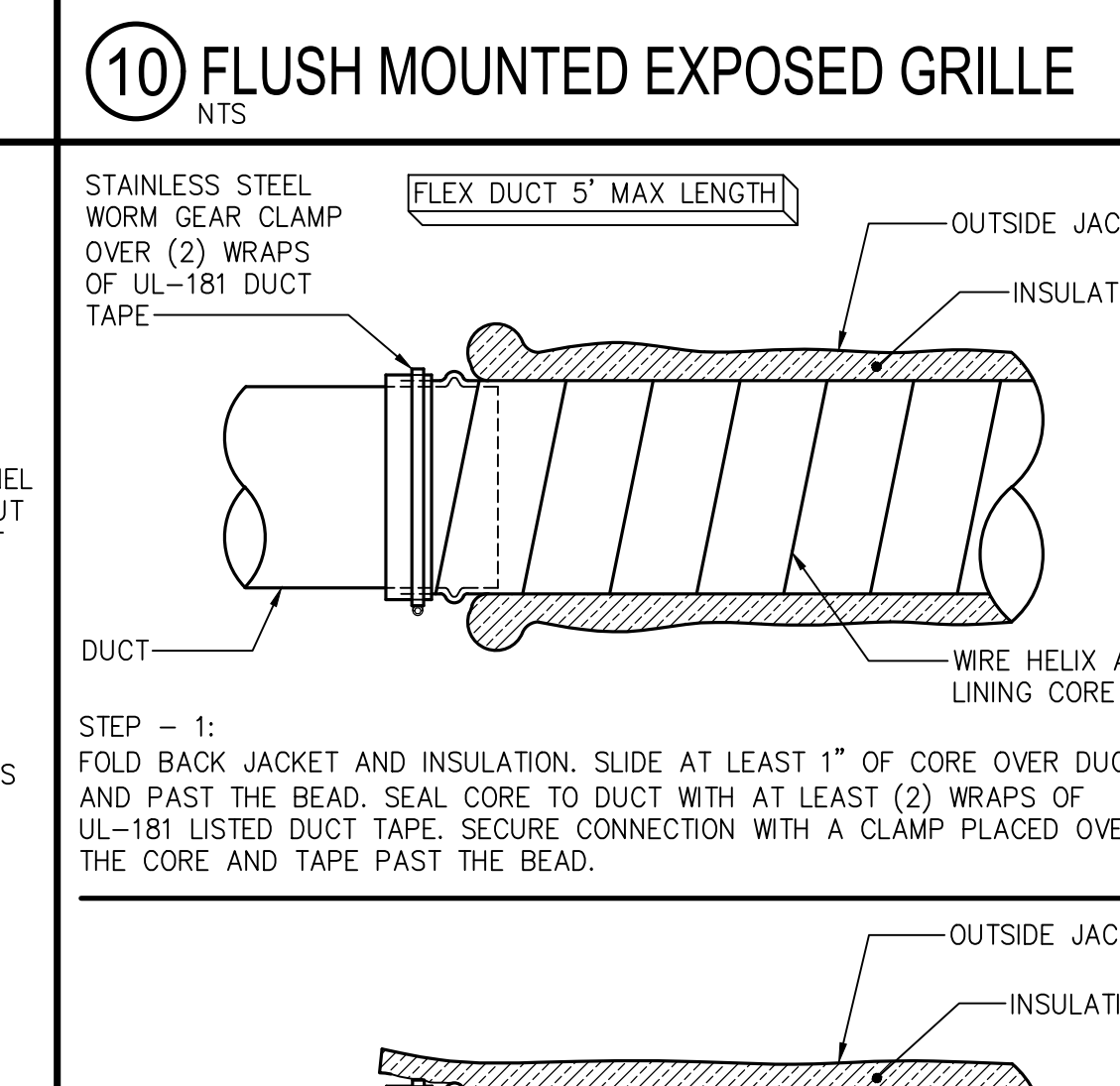
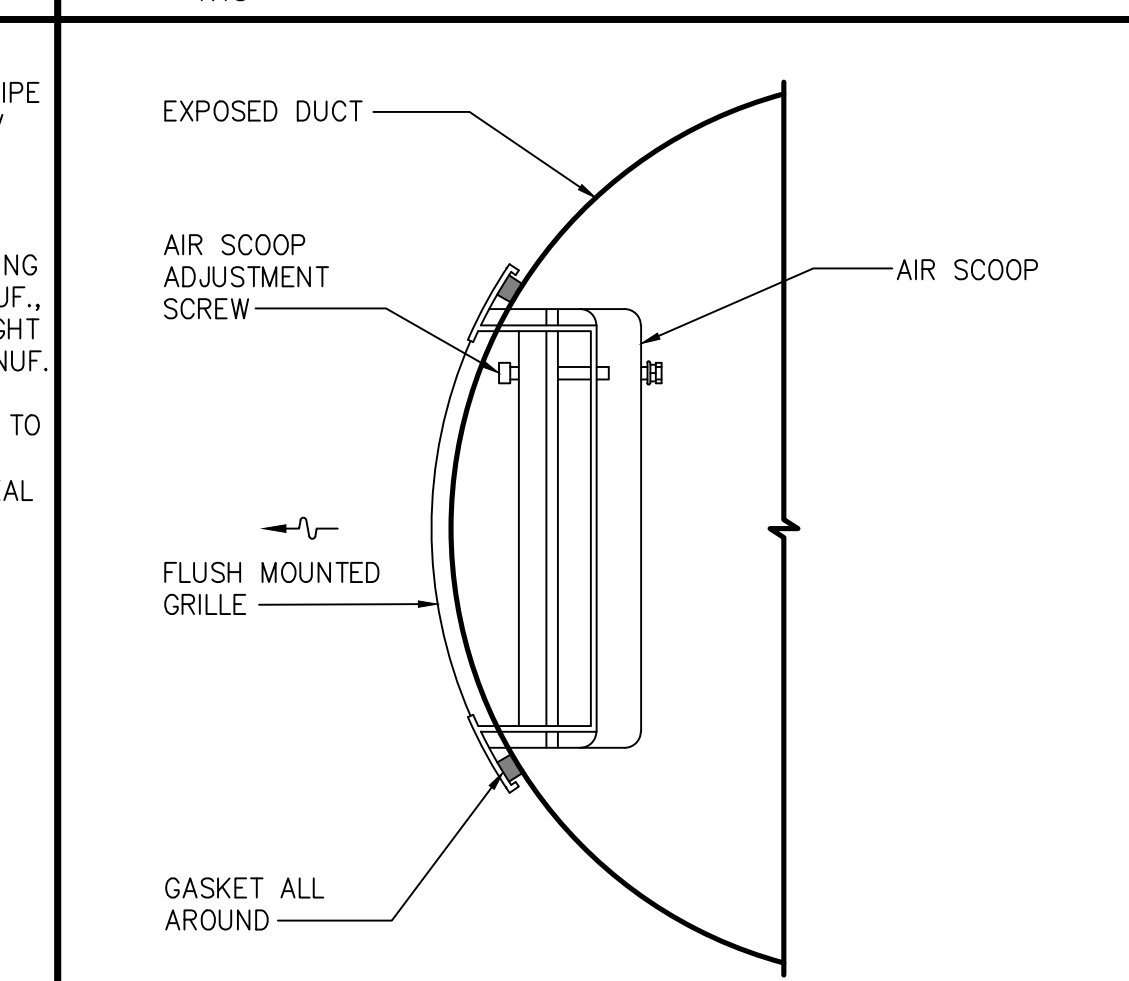
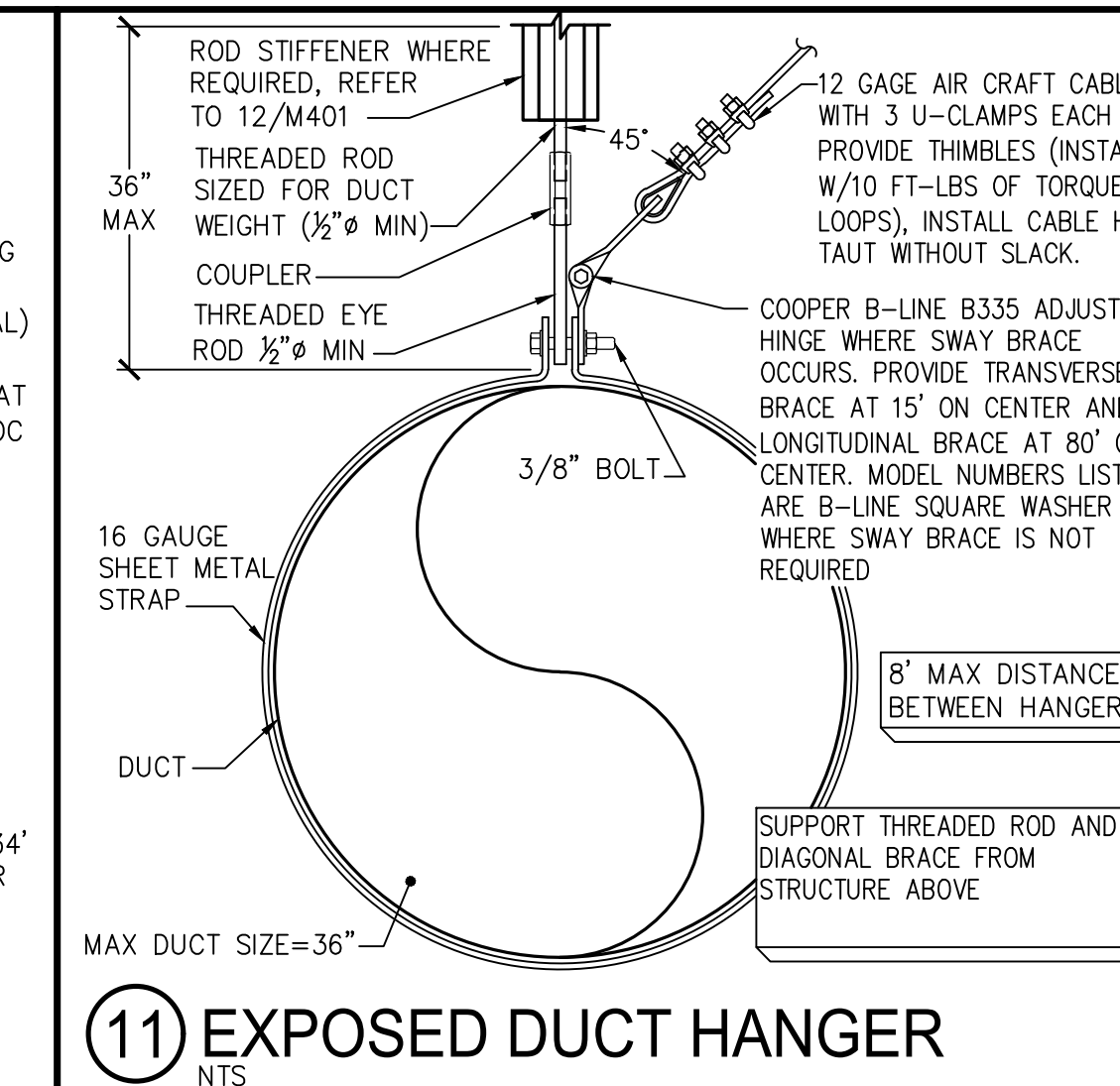
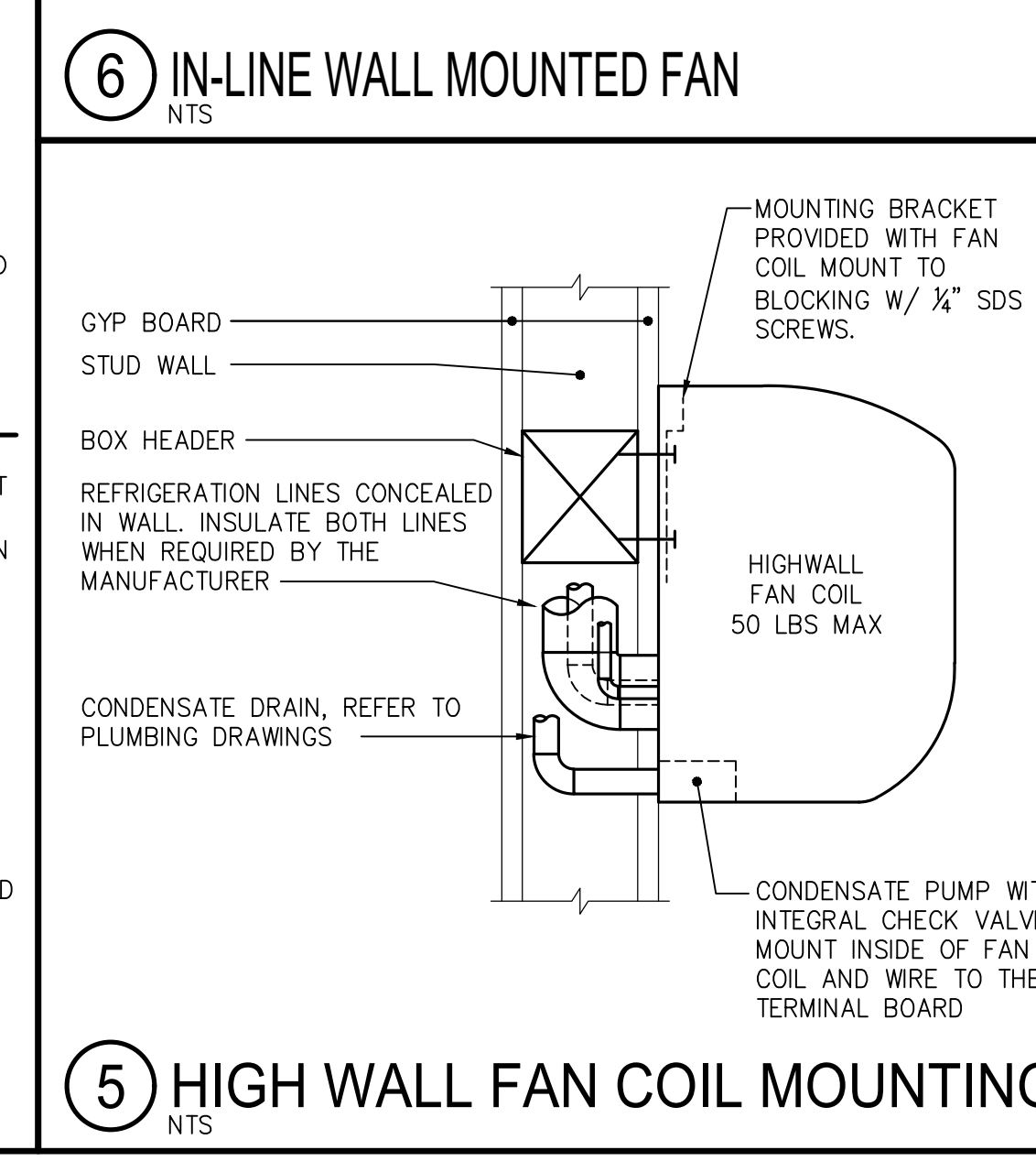
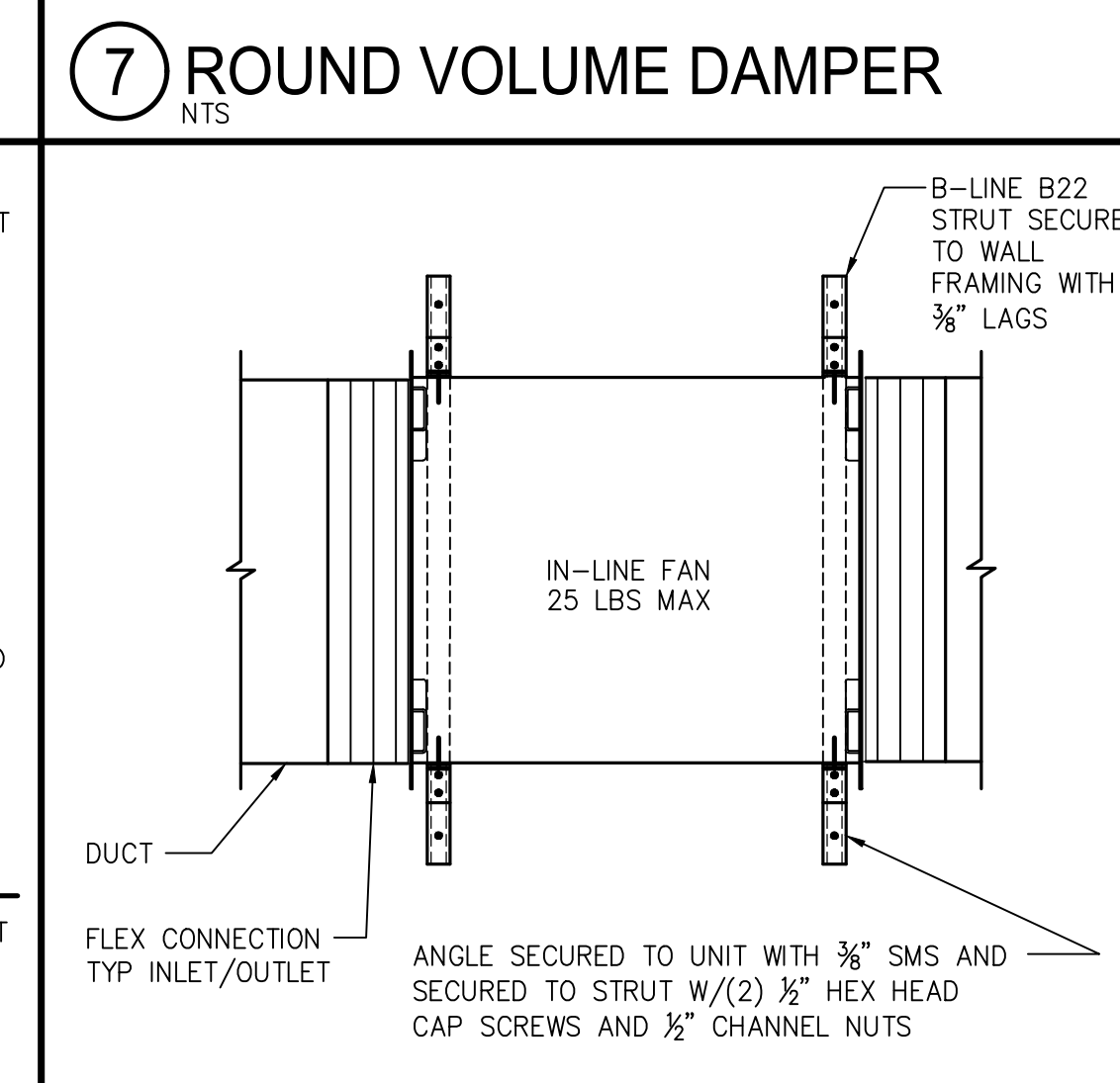
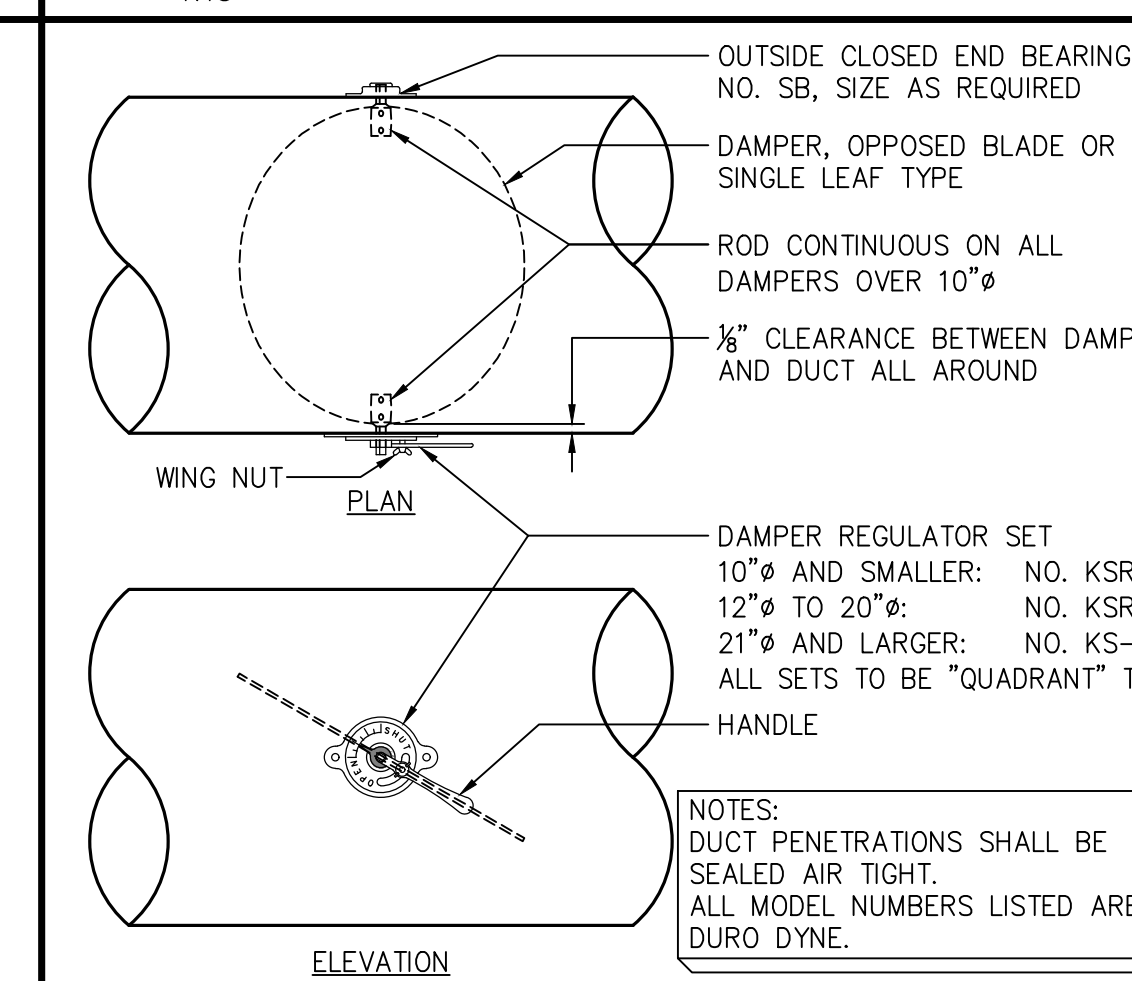
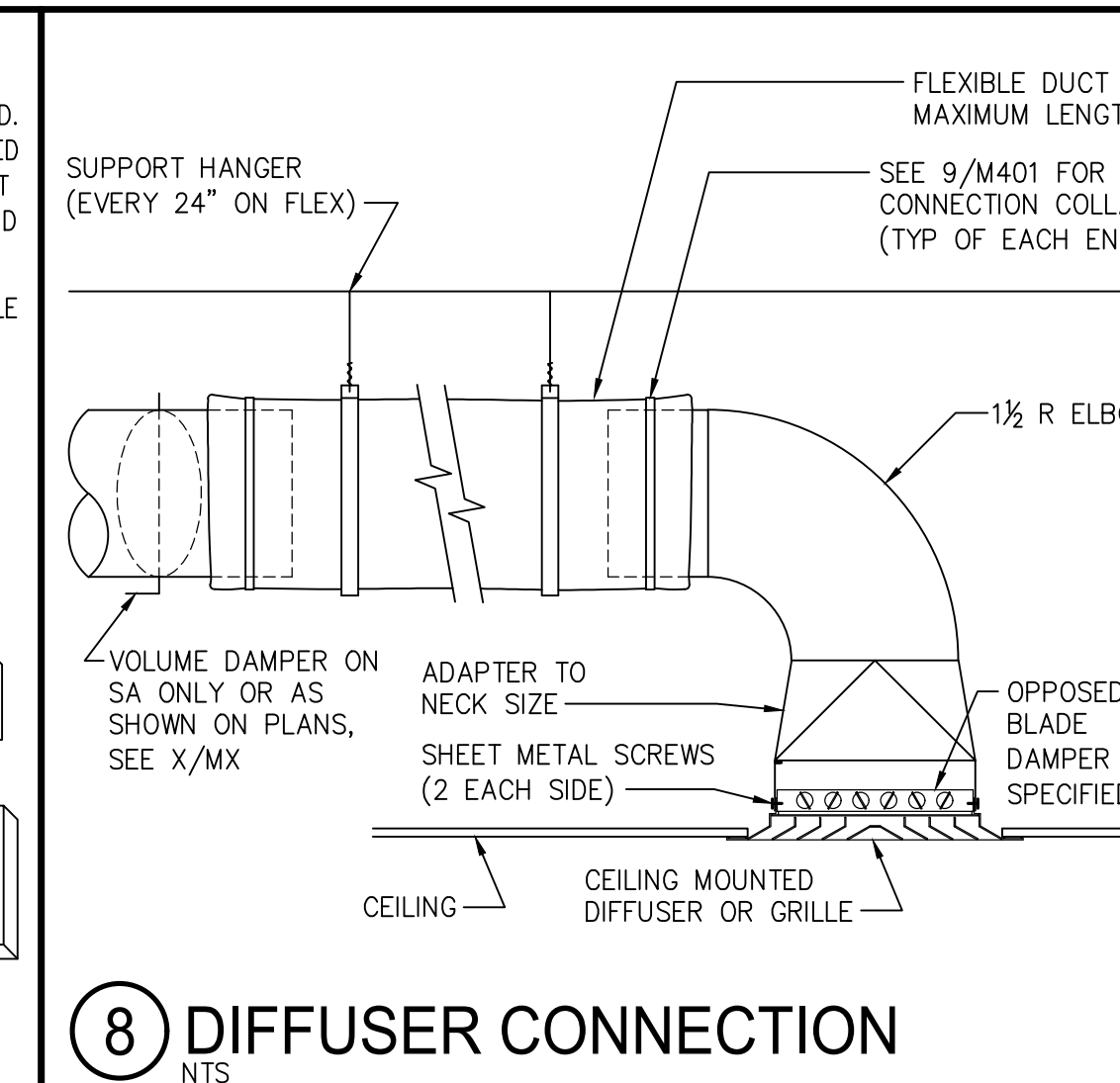
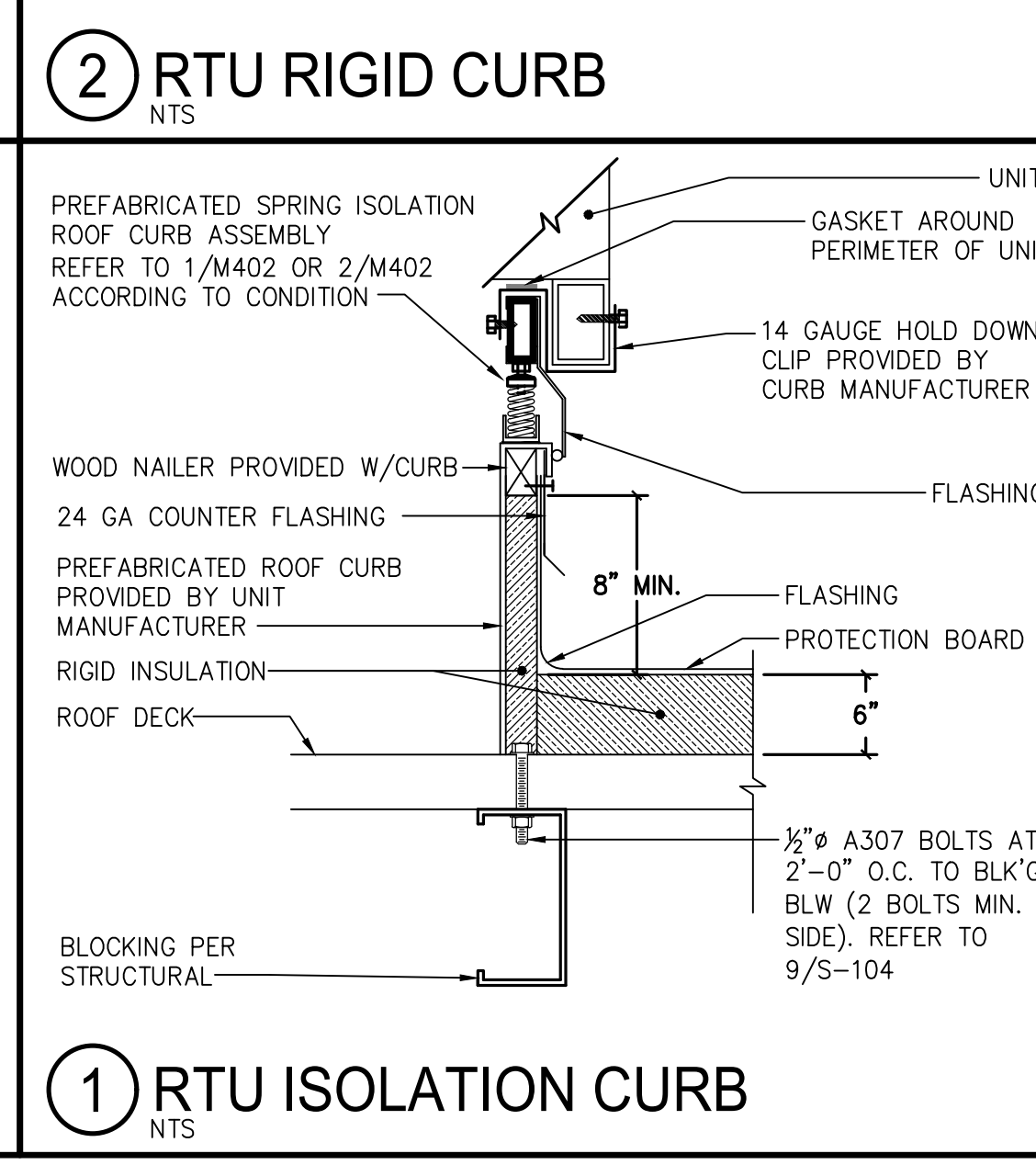
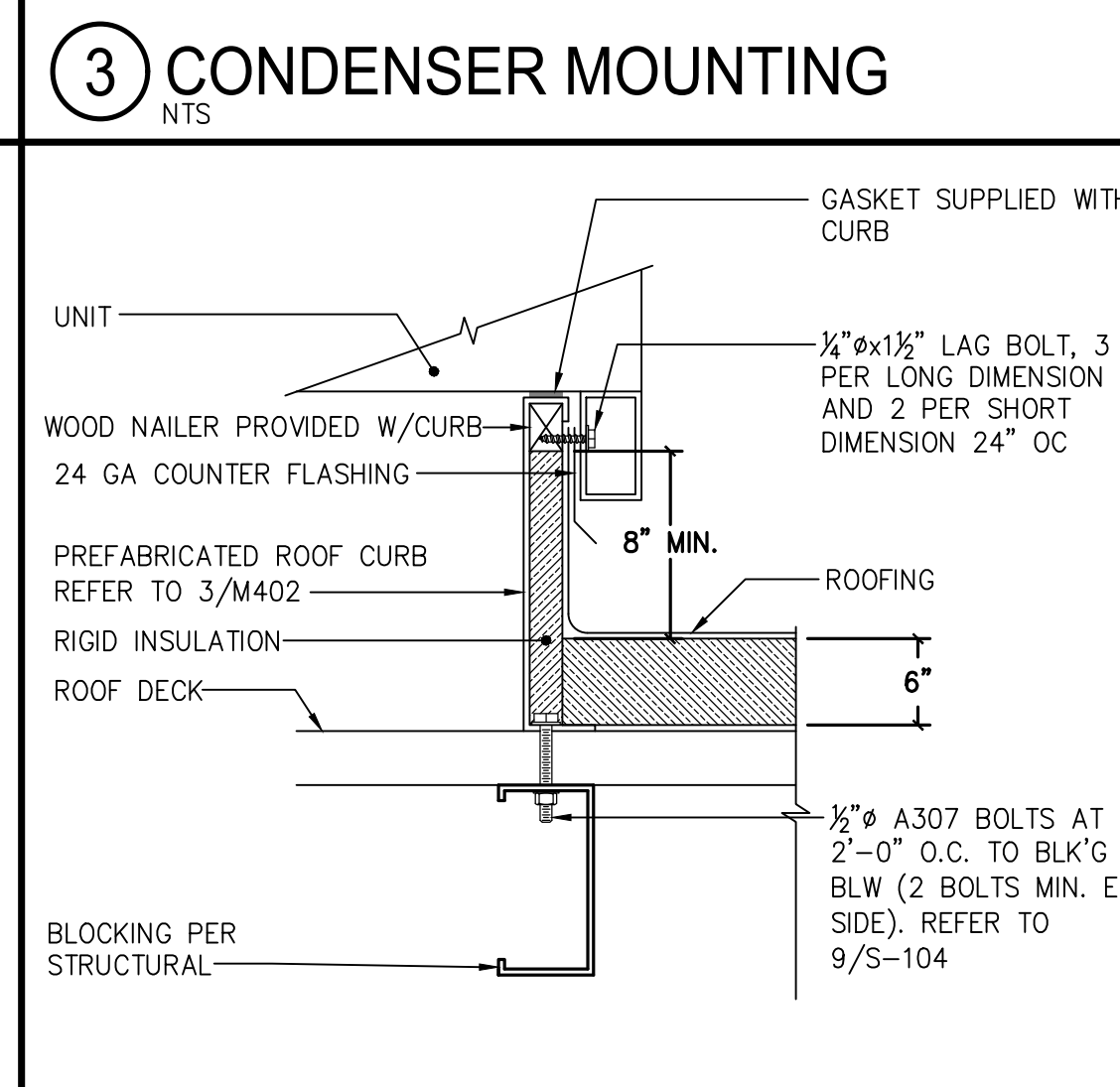
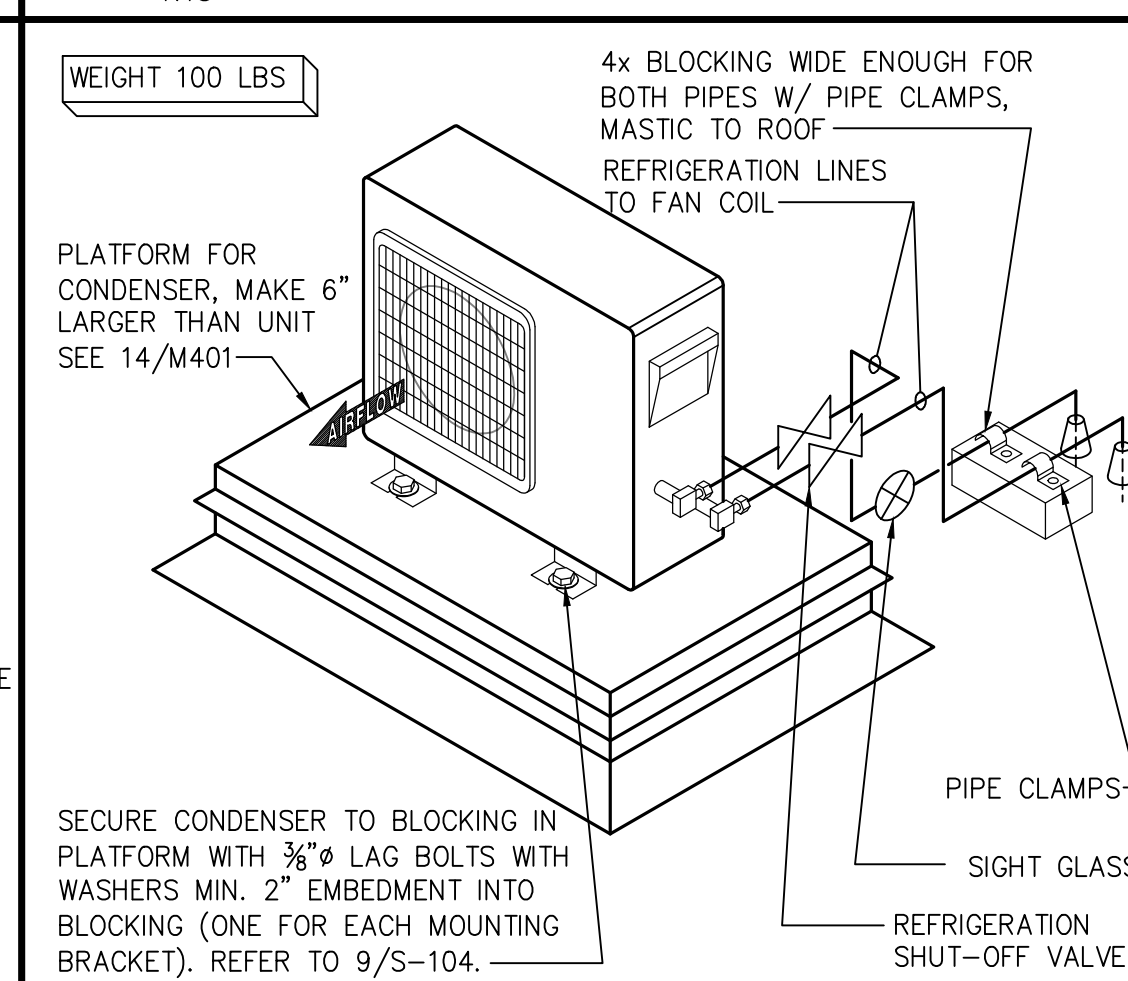
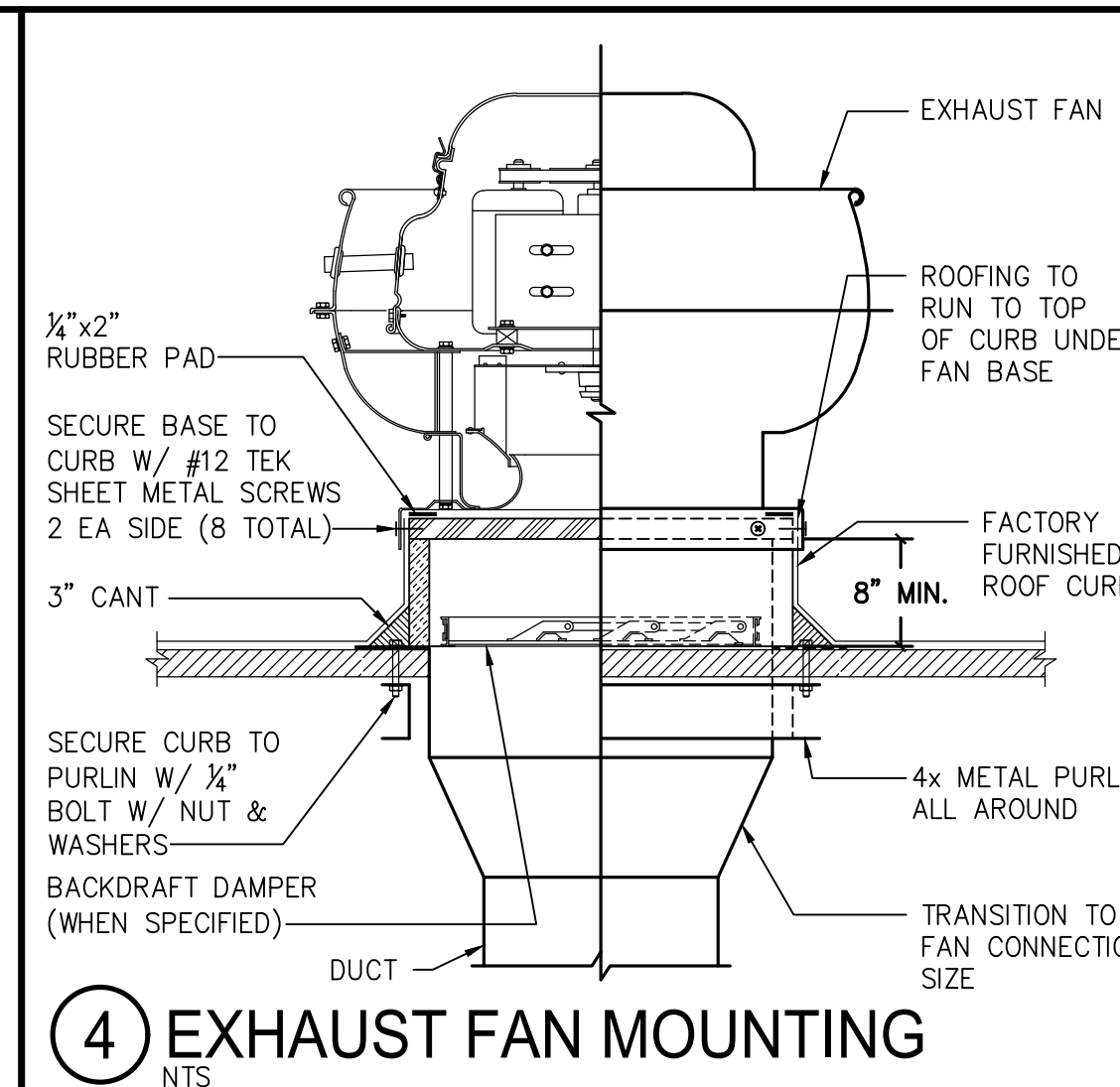
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**ORCUTT UNION SCHOOL DISTRICT**  
**ORCUTT ACADEMY**  
**HS MUR BUILDING**  
 ORCUTT ACADEMY  
 HIGH SCHOOL  
 ORCUTT, CA 93455

SHEET TITLE  
**MECHANICAL DETAILS**

DRAWN BY: JOB NUMBER: 20179-01  
 SHEET NO.

**M401**  
 DATE: MARCH 2, 2022



F:\Drawings\2021\21122.00\_01SD - Orcutt Academy HS Multi-Use Room\Mech\21122.00\_M401\_Details.dwg\_pstr Feb 16, 2022 - 3:12pm



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 STANTEC CONSULTING SERVICES INC.  
 111 East Victoria Street  
 Santa Barbara, CA 93101  
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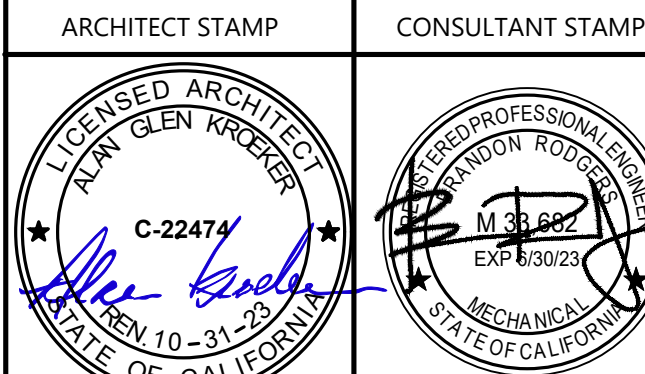
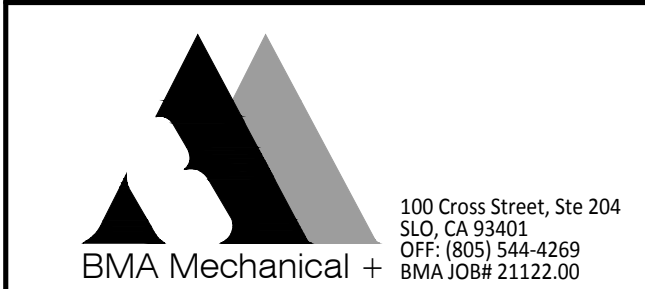
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 San Luis Obispo, CA 93401  
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**SCHOOL UNION DISTRICT ORCUTT ACADEMY HS MUR BUILDING**  
 ORCUTT ACADEMY HIGH SCHOOL  
 ORCUTT, CA 93455

SHEET TITLE  
**MECHANICAL DETAILS**

DRAWN BY: JOB NUMBER: 20179-01  
 SHEET NO.

**M402**  
 DATE: MARCH 2, 2022

**TABLE 4 TABULATED CURB AND ANCHORAGE INFORMATION PER VARYING HEIGHT**

|   |                   | 0 < H ≤ 18" |
|---|-------------------|-------------|
| A | CURB THICKNESS    | 14 GA       |
| B | EXP. ANCHOR       | 6           |
| C | EXP. ANCHOR       | 4           |
| D | WELD              | 3/8"        |
| E | SCREWS            | 16          |
| F | SCREWS            | 8           |
| G | DISTANCE          | MAX. 0.75"  |
| H | NO. OF CLIPS      | 8           |
| I | CLIP SMS          | (4) #12     |
| J | CLIP SMS          | (8) #12     |
| K | ISO RAIL          | N/A         |
| L | NO. OF ISOLATORS  | N/A         |
| M | NO. OF STIFFENERS | N/A         |

FOR: GROUP C ISO  
 PART NO: SEE BELOW

**CanFab**  
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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB  | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|-------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1008  | 1909-SH08-12 | 12 GA | 1.5         | 2.625       | 4.8625      | 1.875       | 1.0         | 9.0         |
| 3012  | 3001-SH08-12 | 12 GA | 1.0         | 4.81        | 3.875       | 2.125       | 1.0         | 9.0         |
| 40285 | 4001-SH08-12 | 12 GA | 2.0         | 3.0625      | 4.605       | 1.875       | 1.0         | 9.0         |
| 6042  | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |
| 60425 | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB  | EDGE (IN) | SPACING (IN) |
|-------|-----------|--------------|
| 1008  | 7.75      | 15.46        |
| 3012  | 7.75      | 15.50        |
| 40285 | 7.75      | 15.50        |
| 6042  | 7.75      | 15.50        |
| 60425 | 7.75      | 15.50        |

FOR: GROUP C ISO  
 PART NO: 6010-IC

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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 3010 | 3002-SH08-12 | 12 GA | 1.5         | 5.300       | 3.825       | 2.0         | 1.0         | 9.0         |
| 6008 | 6011-SH08-12 | 12 GA | 2.0         | 2.125       | 4.0         | 1.875       | 1.0         | 9.0         |
| 6010 | 6011-SH08-12 | 12 GA | 2.0         | 2.125       | 4.0         | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB | EDGE (IN) | SPACING (IN) |
|------|-----------|--------------|
| 3010 | 7.75      | 16.875       |
| 6008 | 7.75      | 15.46        |
| 6010 | 7.75      | 16.875       |

\*\*NOTE: 3010-IC HAS TOTAL OF 14 CLIPS \*\*

FOR: GROUP C ISO  
 PART NO: 6010-IC

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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 3010 | 3002-SH08-12 | 12 GA | 1.5         | 5.300       | 3.825       | 2.0         | 1.0         | 9.0         |
| 6008 | 6011-SH08-12 | 12 GA | 2.0         | 2.125       | 4.0         | 1.875       | 1.0         | 9.0         |
| 6010 | 6011-SH08-12 | 12 GA | 2.0         | 2.125       | 4.0         | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB | EDGE (IN) | SPACING (IN) |
|------|-----------|--------------|
| 3010 | 7.75      | 16.875       |
| 6008 | 7.75      | 15.46        |
| 6010 | 7.75      | 16.875       |

\*\*NOTE: 3010-IC HAS TOTAL OF 14 CLIPS \*\*

**VIWR INSTALLATION INSTRUCTIONS**

**INSTALLATION PROCEDURE:**

- Position the equipment squarely on the COA VIWRs.
- Secure the COA VIWRs to the STRUCTURE (STEEL BEAMS) USING WELD JOINTS AS PER THE DETAIL SHOWN ABOVE. STEEL BEAMS ARE PART OF THE PRIMARY STRUCTURE TO BE PROVIDED BY THE SEOR TO SUPPORT THE WEIGHTS AND FORCES.
- Run up the two STOP NUTS (SN) to the top of the STABILIZER STUD (ST).
- Adjust the LOAD TRANSFER NUT (LT) on each COA VIWR to level the equipment, allowing for a gap of 1/2" between the BASE PLATE (BP) AND THE LOWER TOP HOUSING (LH).
- Run down the two STOP NUTS (SN) to tighten the equipment in place to the COA VIWRs.
- Run down the STOP NUTS (SN) until the gap is between a minimum of 1/4" and MAXIMUM of 1/2" between the SN and the TOP HOUSING (TH).

**OPM-0401-13**  
 Loren Cook Company CPV60 to CPV135  
 HVAC Fans w/ Caldyn CDA Vibration Isolator  
 With Restraint (COA Style V VIWR)  
 Code: CBC 2016, ASCE 7-10  
 LOS ANGELES, CA 90032  
 OFFICE (323) 223 3882 FAX (323) 223 7941  
 LOS ANGELES, CA 90032  
 OFFICE (323) 223 3882 FAX (323) 223 7941  
 OPM-0401-13  
 CALIFORNIA PROFESSIONAL ENGINEER  
 License No. 41820  
 06/11/2019

**TABLE 4 TABULATED CURB AND ANCHORAGE INFORMATION PER VARYING HEIGHT**

|   |                   | 0 < H ≤ 18"   |
|---|-------------------|---|
| A | CURB THICKNESS    | 14 GA   |
| B | EXP. ANCHOR       | 6   |
| C | EXP. ANCHOR       | 6   |
| D | WELD              | 1/8"  |
| E | SCREWS            | 3/8   |
| F | SCREWS            | 2/4   |
| G | DISTANCE          | MAX. 0.75"  |
| H | NO. OF CLIPS      | 10  |
| I | CLIP SMS          | (4) #14   |
| J | CLIP SMS          | (8) #14   |
| K | ISO RAIL          | 10 GA 7.5" DEEP X 1" FLANGES  |
| L | NO. OF ISOLATORS  | 8 FOR 3012 AND 40285, 10 FOR 1008, 6042 AND 60425 & 11 FOR 1008 VIC |
| M | NO. OF STIFFENERS | 8 FOR 3012 AND 40285, 10 FOR 1008, 6042 AND 60425 & 11 FOR 1008 VIC |

FOR: GROUP B ISO  
 PART NO: SEE BELOW

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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB  | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|-------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1008  | 1909-SH08-12 | 12 GA | 1.5         | 2.625       | 4.8625      | 1.875       | 1.0         | 9.0         |
| 3012  | 3001-SH08-12 | 12 GA | 1.0         | 4.81        | 3.875       | 2.125       | 1.0         | 9.0         |
| 40285 | 4001-SH08-12 | 12 GA | 2.0         | 3.0625      | 4.605       | 1.875       | 1.0         | 9.0         |
| 6042  | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |
| 60425 | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB  | EDGE (IN) | SPACING (IN) |
|-------|-----------|--------------|
| 1008  | 7.75      | 15.46        |
| 3012  | 7.75      | 15.50        |
| 40285 | 7.75      | 15.50        |
| 6042  | 7.75      | 15.50        |
| 60425 | 7.75      | 15.50        |

FOR: GROUP B ISO  
 PART NO: 6042-IC

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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB  | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|-------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4008  | 4001-SH08-12 | 12 GA | 2.0         | 3.0625      | 4.605       | 1.875       | 1.0         | 9.0         |
| 6042  | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |
| 60425 | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB  | EDGE (IN) | SPACING (IN) |
|-------|-----------|--------------|
| 1008  | 7.75      | 15.46        |
| 3012  | 7.75      | 15.50        |
| 40285 | 7.75      | 15.50        |
| 6042  | 7.75      | 15.50        |
| 60425 | 7.75      | 15.50        |

FOR: GROUP B ISO  
 PART NO: 6042-IC

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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB  | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|-------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4008  | 4001-SH08-12 | 12 GA | 2.0         | 3.0625      | 4.605       | 1.875       | 1.0         | 9.0         |
| 6042  | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |
| 60425 | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.55        | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB  | EDGE (IN) | SPACING (IN) |
|-------|-----------|--------------|
| 1008  | 7.75      | 15.46        |
| 3012  | 7.75      | 15.50        |
| 40285 | 7.75      | 15.50        |
| 6042  | 7.75      | 15.50        |
| 60425 | 7.75      | 15.50        |

**VIWR INSTALLATION INSTRUCTIONS**

**INSTALLATION PROCEDURE:**

- Position the equipment squarely on the COA VIWRs.
- Secure the COA VIWRs to the STRUCTURE (STEEL BEAMS) USING WELD JOINTS AS PER THE DETAIL SHOWN ABOVE. STEEL BEAMS ARE PART OF THE PRIMARY STRUCTURE TO BE PROVIDED BY THE SEOR TO SUPPORT THE WEIGHTS AND FORCES.
- Run up the two STOP NUTS (SN) to the top of the STABILIZER STUD (ST).
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- Run down the two STOP NUTS (SN) to tighten the equipment in place to the COA VIWRs.
- Run down the STOP NUTS (SN) until the gap is between a minimum of 1/4" and MAXIMUM of 1/2" between the SN and the TOP HOUSING (TH).

**OPM-0401-13**  
 Loren Cook Company CPV60 to CPV135  
 HVAC Fans w/ Caldyn CDA Vibration Isolator  
 With Restraint (COA Style V VIWR)  
 Code: CBC 2016, ASCE 7-10  
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 OPM-0401-13  
 CALIFORNIA PROFESSIONAL ENGINEER  
 License No. 41820  
 06/11/2019

**TABLE 4 TABULATED CURB AND ANCHORAGE INFORMATION PER VARYING HEIGHT**

|   |                   | 0 < H ≤ 18" |
|---|-------------------|-------------|
| A | CURB THICKNESS    | 14 GA       |
| B | EXP. ANCHOR       | 6           |
| C | EXP. ANCHOR       | 4           |
| D | WELD              | 3/8"        |
| E | SCREWS            | 16          |
| F | SCREWS            | 8           |
| G | DISTANCE          | MAX. 0.75"  |
| H | NO. OF CLIPS      | 8           |
| I | CLIP SMS          | (4) #12     |
| J | CLIP SMS          | (8) #12     |
| K | ISO RAIL          | N/A         |
| L | NO. OF ISOLATORS  | N/A         |
| M | NO. OF STIFFENERS | N/A         |

FOR: GROUP A  
 PART NO: SEE BELOW

**CanFab**  
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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1005 | 1909-SH08-12 | 12 GA | 1.5         | 2.625       | 4.8625      | 1.875       | 1.0         | 9.0         |
| 3003 | 3001-SH08-12 | 12 GA | 1.0         | 4.81        | 3.875       | 2.125       | 1.0         | 9.0         |
| 4027 | 4001-SH08-12 | 12 GA | 2.0         | 3.0625      | 4.625       | 1.875       | 1.0         | 9.0         |
| 6037 | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.25        | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB | EDGE (IN) | SPACING (IN) |
|------|-----------|--------------|
| 1005 | 7.75      | 15.46        |
| 3003 | 7.75      | 19.00        |
| 4027 | 7.75      | 18.33        |
| 6037 | 7.75      | 13.58        |

FOR: GROUP A  
 PART NO: 6037-CB

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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1005 | 1909-SH08-12 | 12 GA | 1.5         | 2.625       | 4.8625      | 1.875       | 1.0         | 9.0         |
| 3003 | 3001-SH08-12 | 12 GA | 1.0         | 4.81        | 3.875       | 2.125       | 1.0         | 9.0         |
| 4027 | 4001-SH08-12 | 12 GA | 2.0         | 3.0625      | 4.625       | 1.875       | 1.0         | 9.0         |
| 6037 | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.25        | 1.875       | 1.0         | 9.0         |

**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE: SEE TABLE 2 FOR CLIP LOCATION

**TABLE 2 CLIP LOCATION**

| CURB | EDGE (IN) | SPACING (IN) |
|------|-----------|--------------|
| 1005 | 7.75      | 15.46        |
| 3003 | 7.75      | 19.00        |
| 4027 | 7.75      | 18.33        |
| 6037 | 7.75      | 13.58        |

FOR: GROUP A  
 PART NO: 6037-CB

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**HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

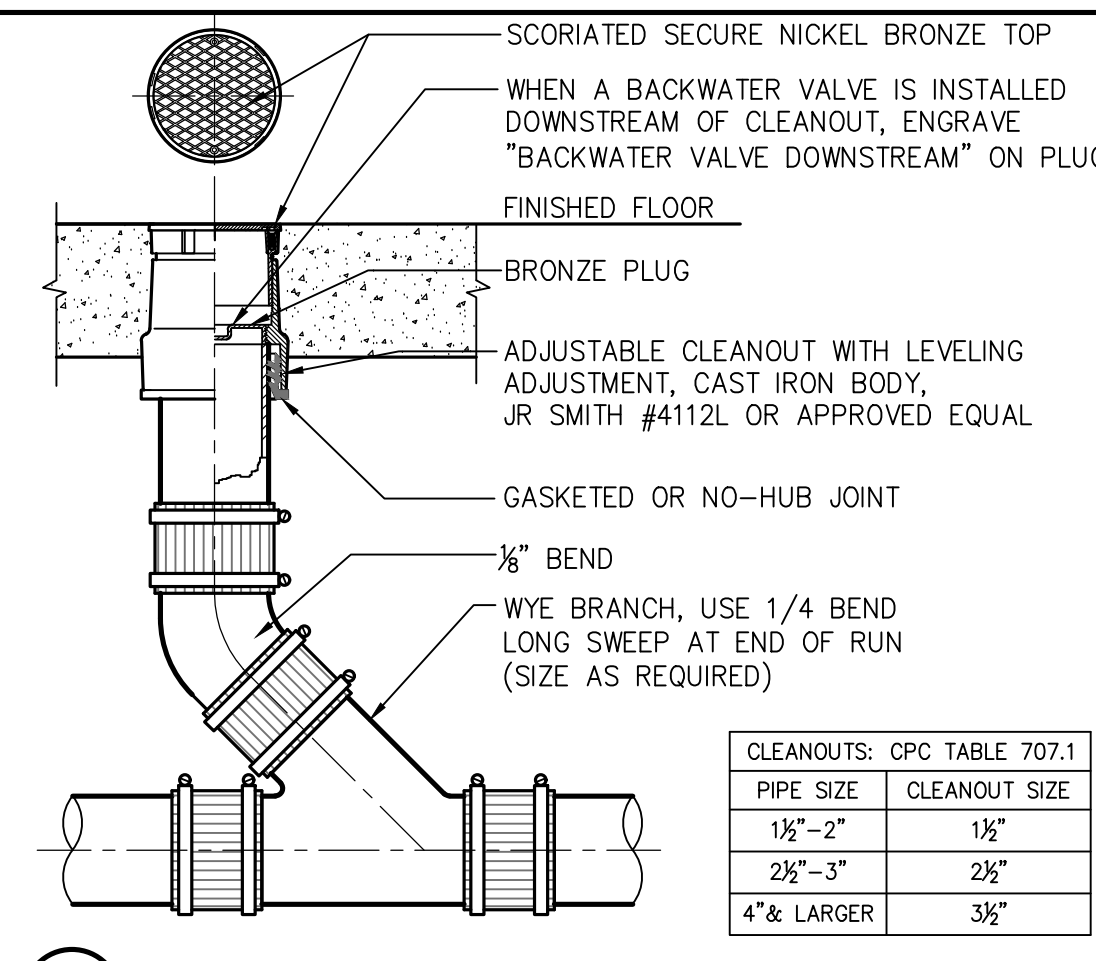
**TABLE 1 HOLD DOWN CLIP PER CURB**

| CURB | SIZE         | WELD  | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR | EXP. ANCHOR |
|------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1005 | 1909-SH08-12 | 12 GA | 1.5         | 2.625       | 4.8625      | 1.875       | 1.0         | 9.0         |
| 3003 | 3001-SH08-12 | 12 GA | 1.0         | 4.81        | 3.875       | 2.125       | 1.0         | 9.0         |
| 4027 | 4001-SH08-12 | 12 GA | 2.0         | 3.0625      | 4.625       | 1.875       | 1.0         | 9.0         |
| 6037 | 6007-SH08-12 | 12 GA | 2.0         | 2.0         | 3.25        | 1.875       | 1.0         | 9.0         |

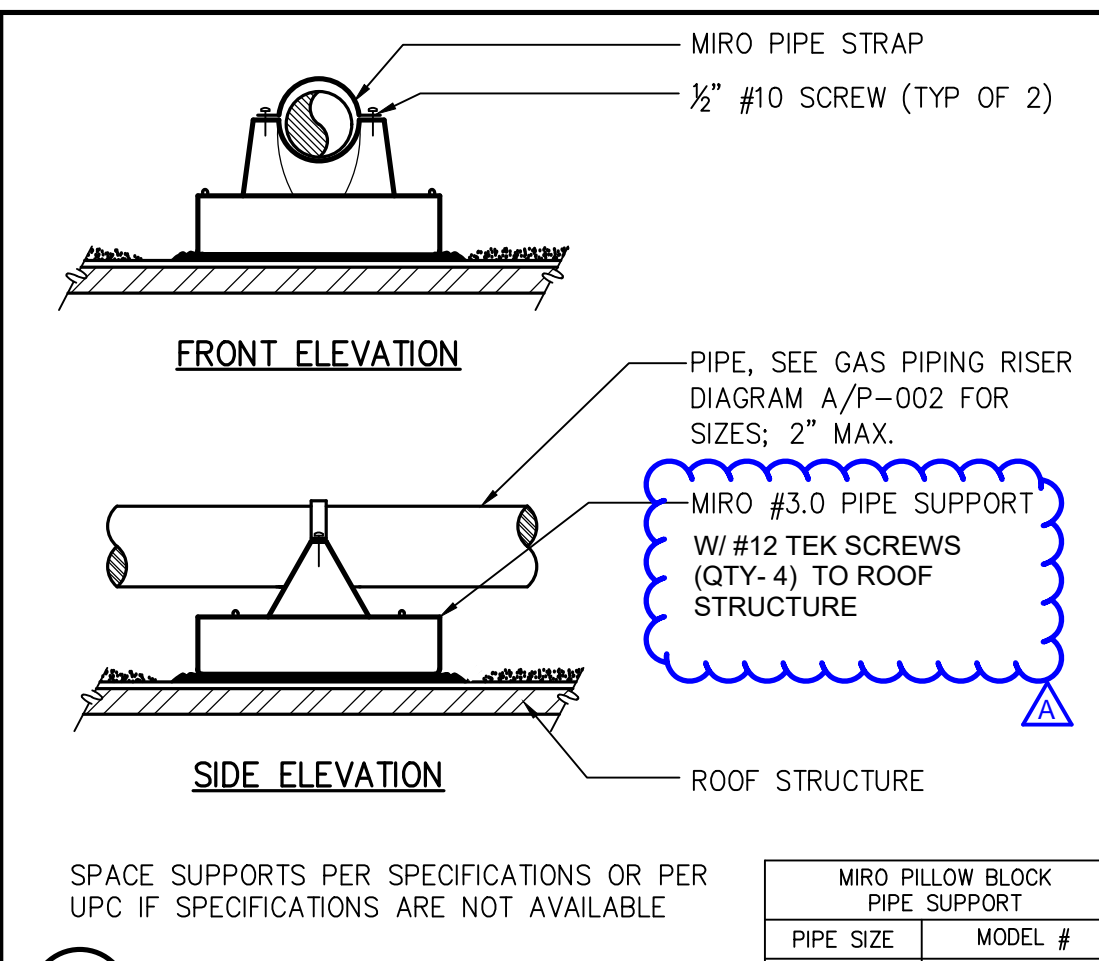
**ALTERNATIVE HOLD DOWN DETAIL**  
 NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB

**CLIP LOCATION DETAIL**  
 NOTE:

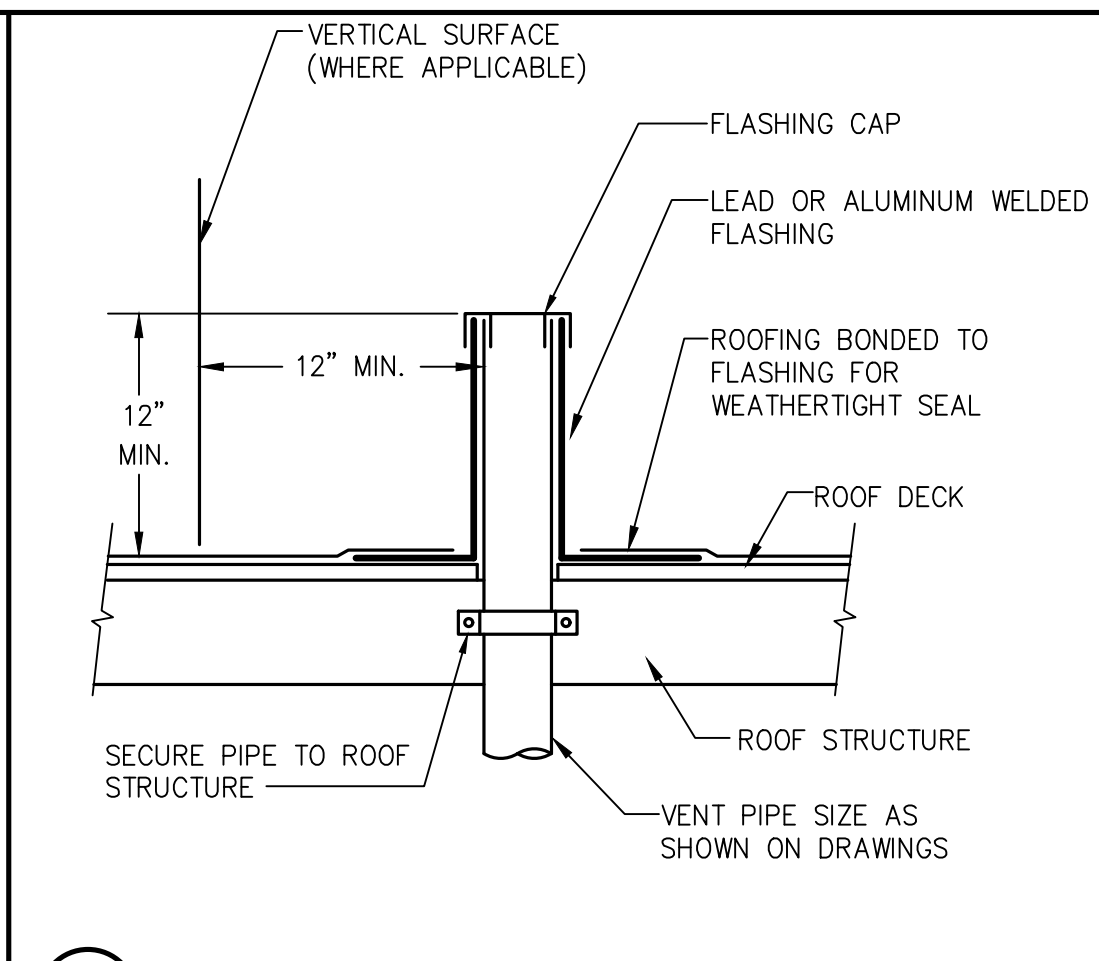
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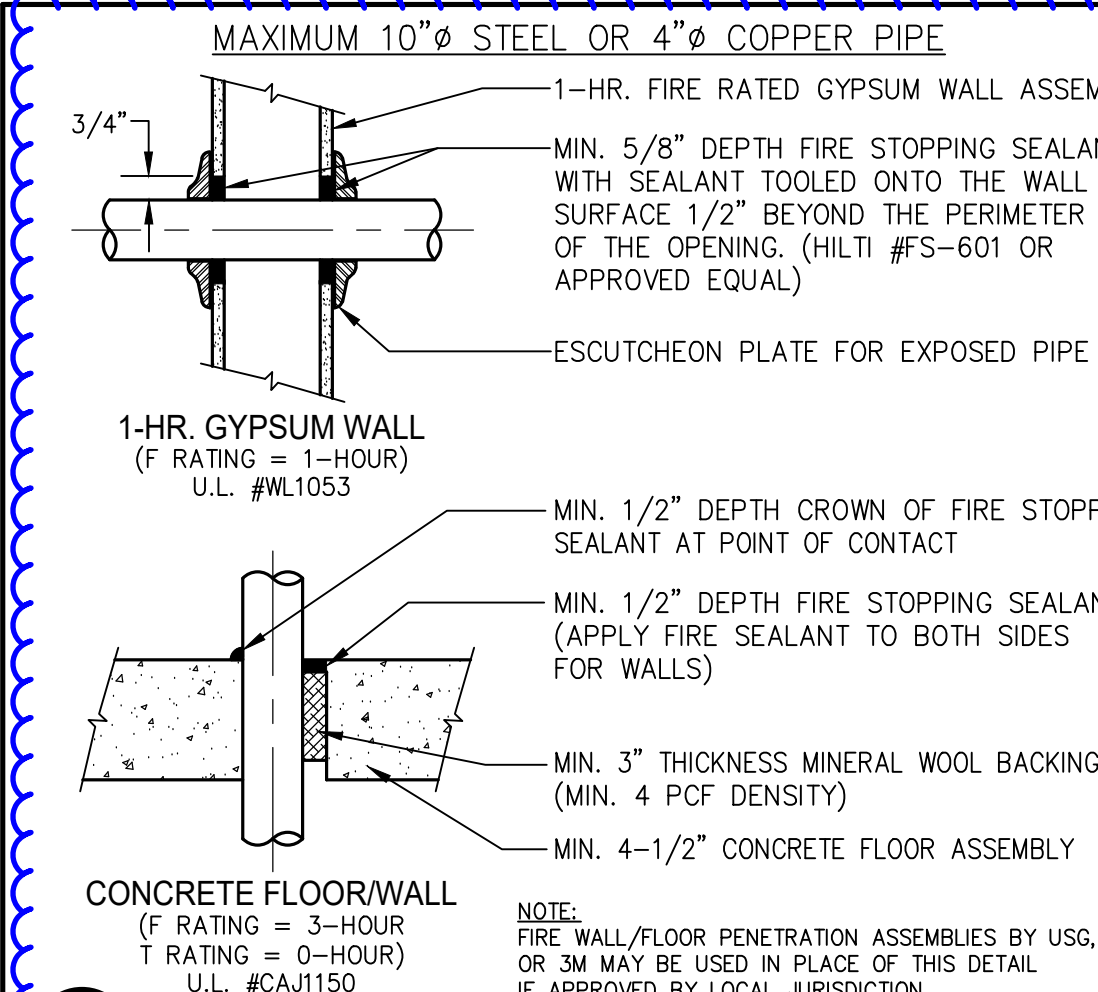
14 FLOOR CLEANOUT



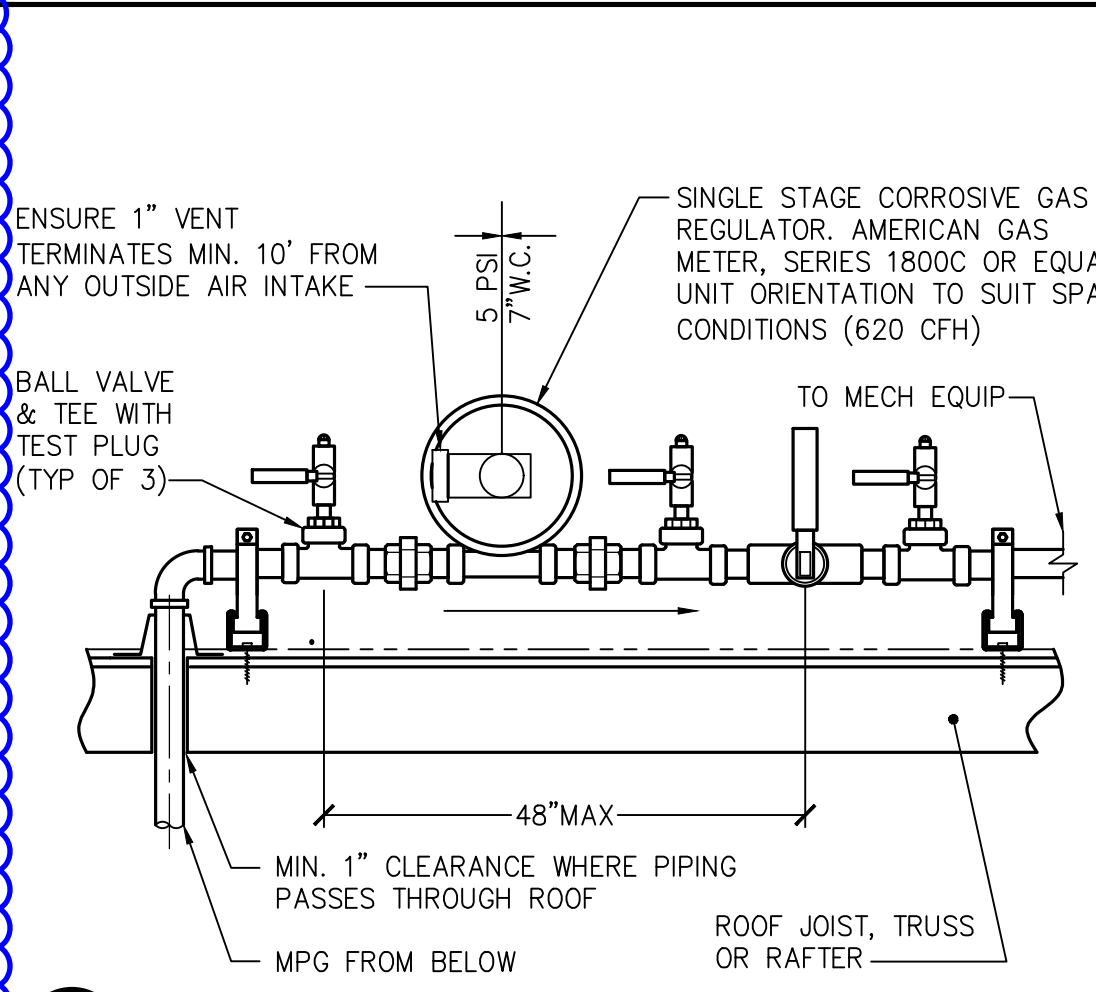
9 PIPE SUPPORT



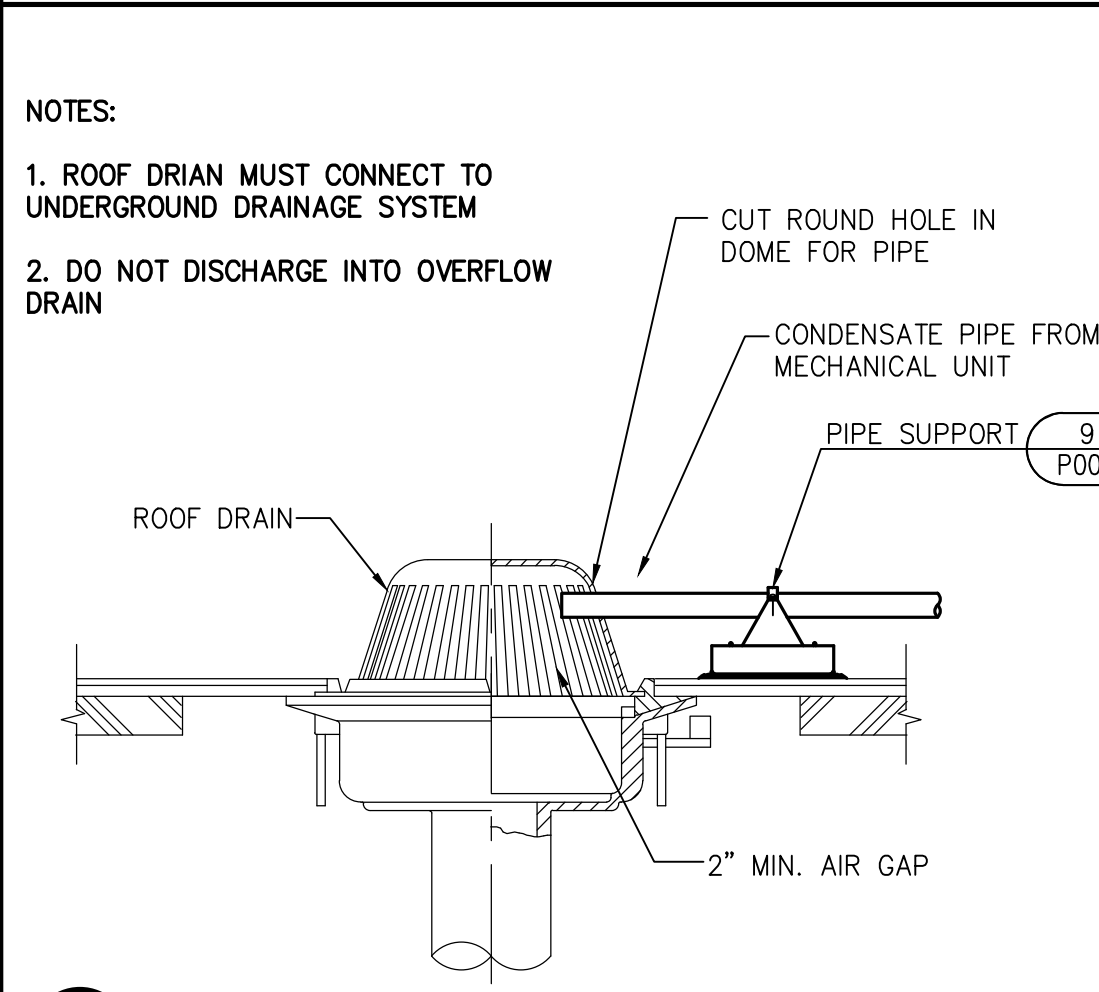
4 VENT THROUGH ROOF



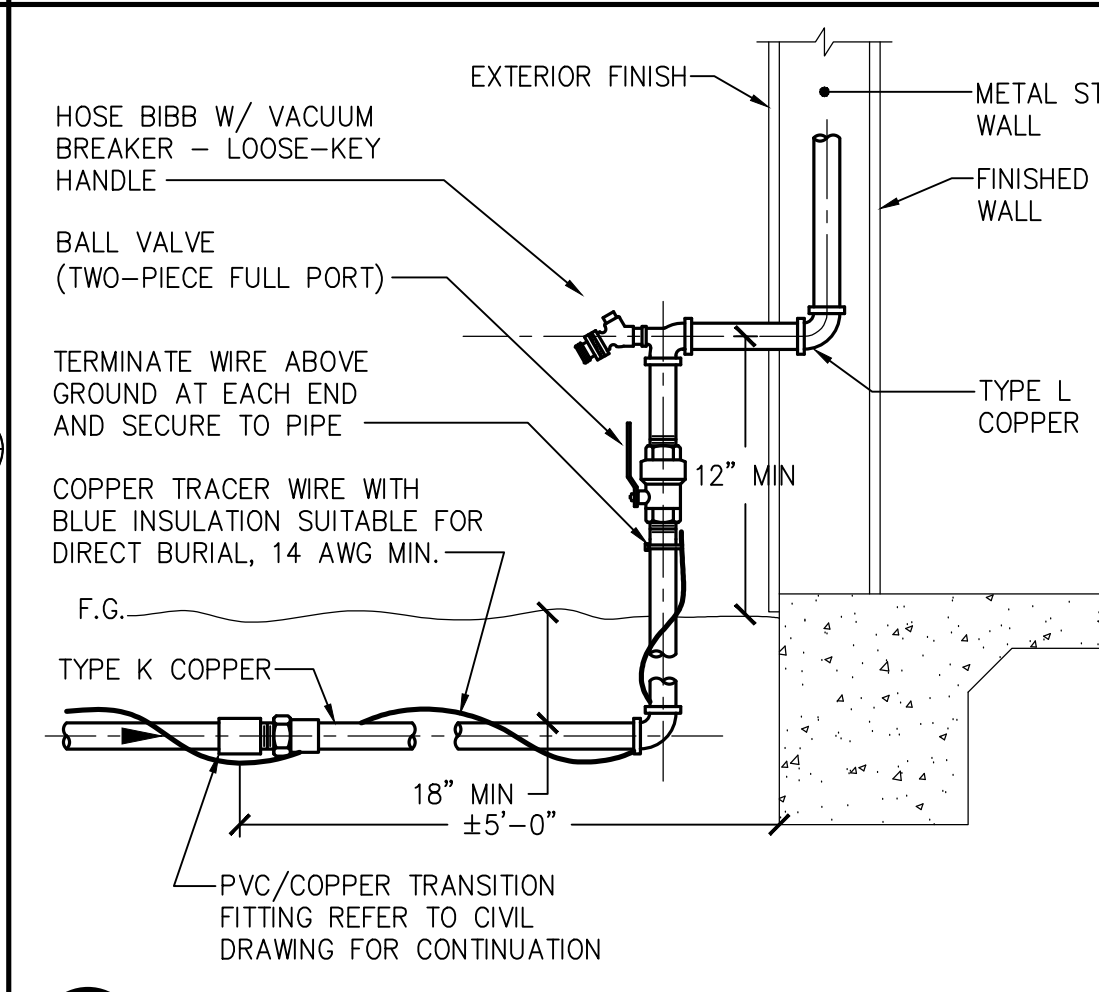
17 FIRE FLOOR/WALL PENETRATION



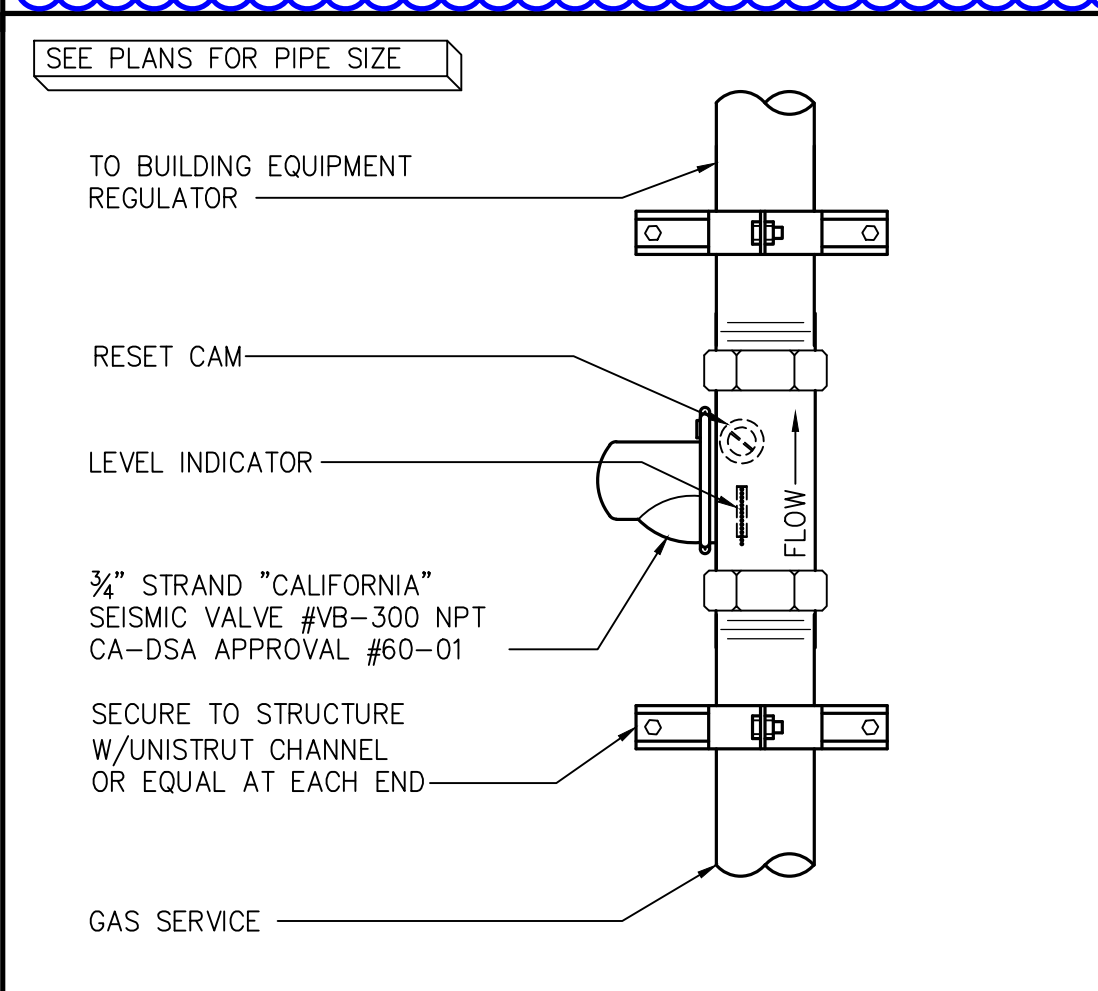
13 GAS REGULATOR



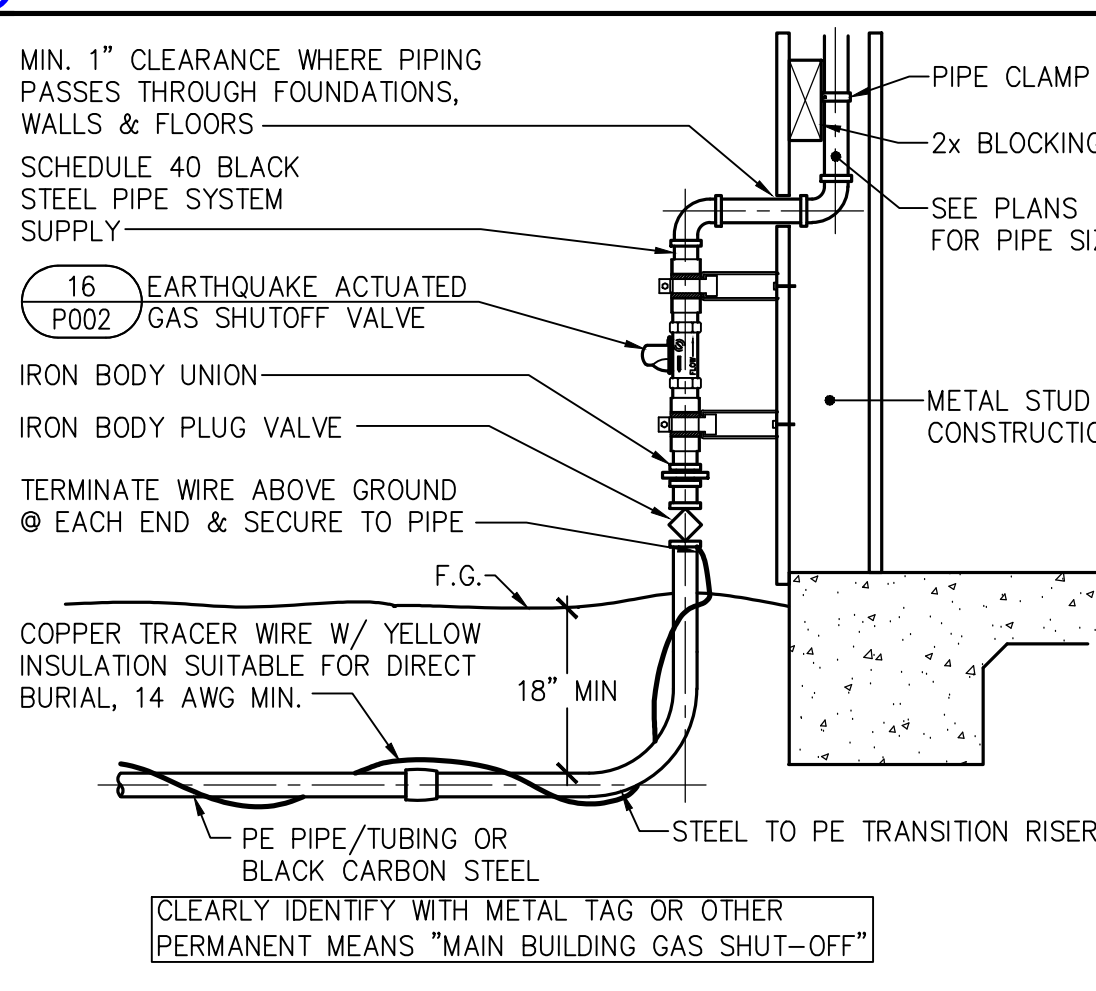
8 CD TO ROOF DRAIN



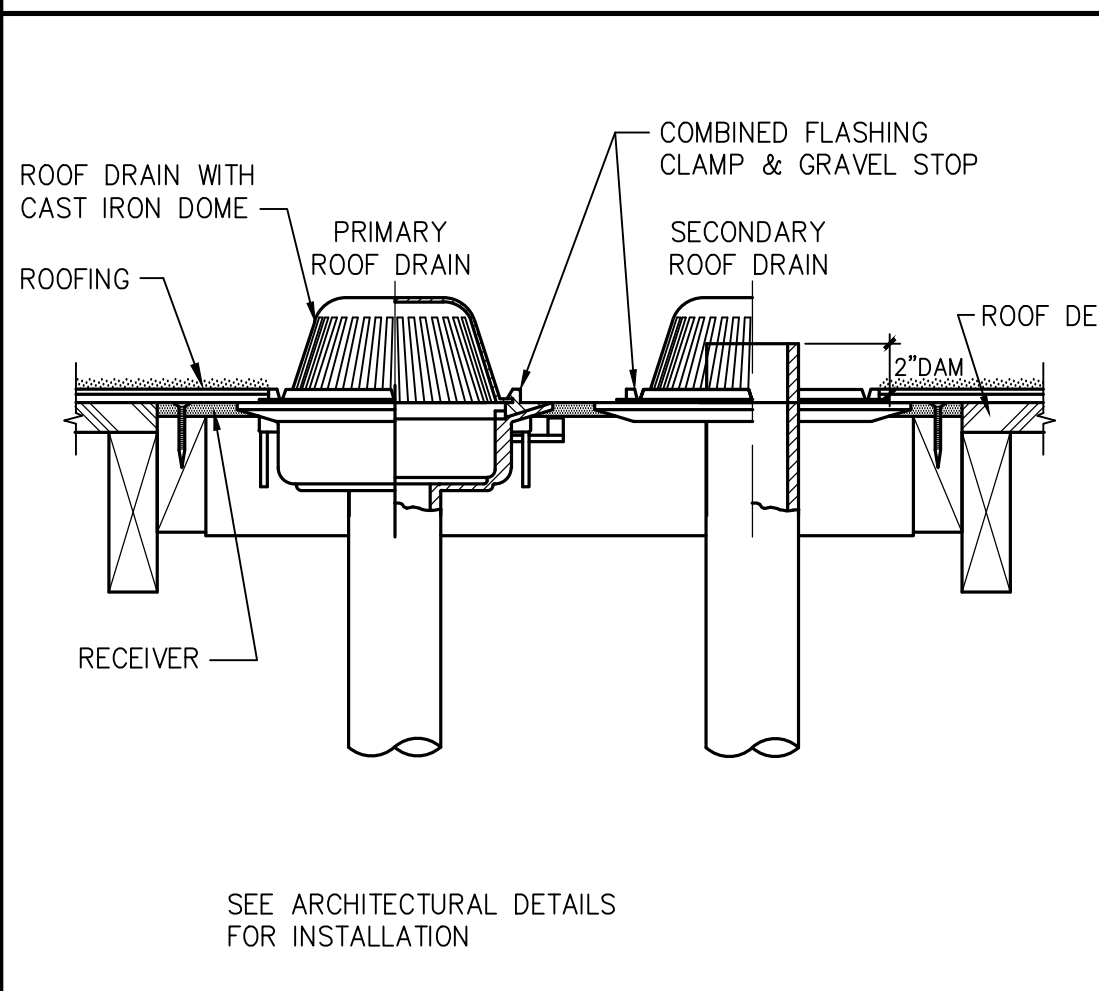
3 BUILDING WATER SUPPLY



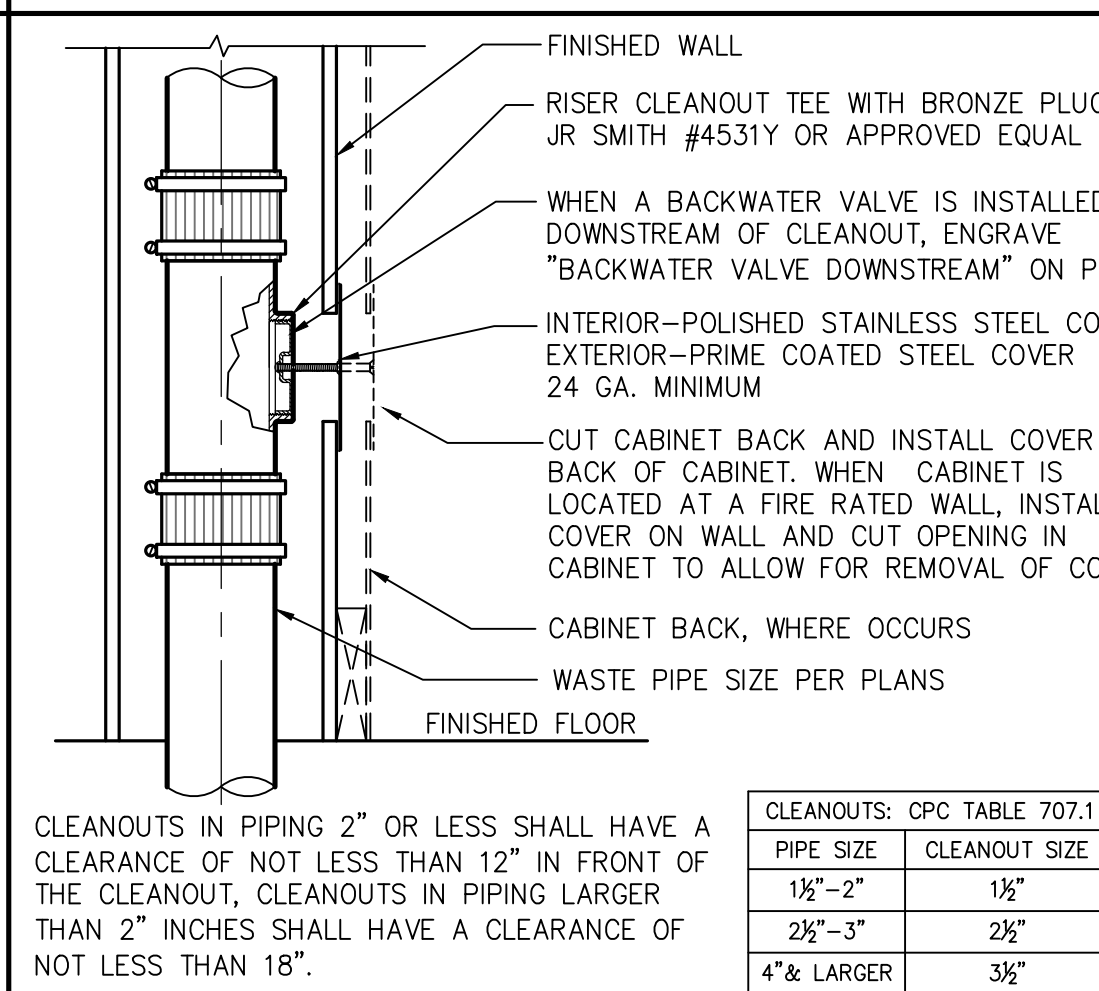
16 SEISMIC SHUT OFF VALVE



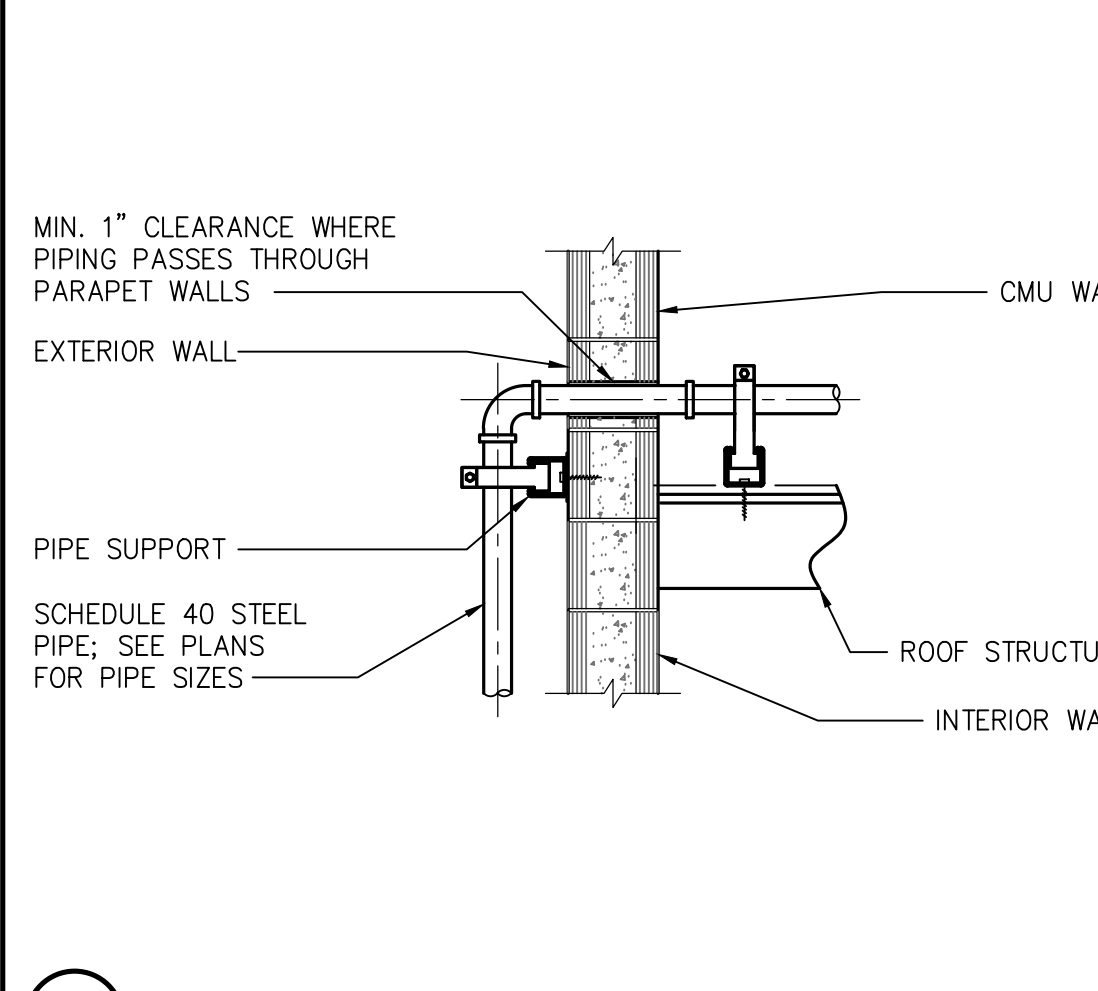
12 GAS SERVICE TO BUILDING



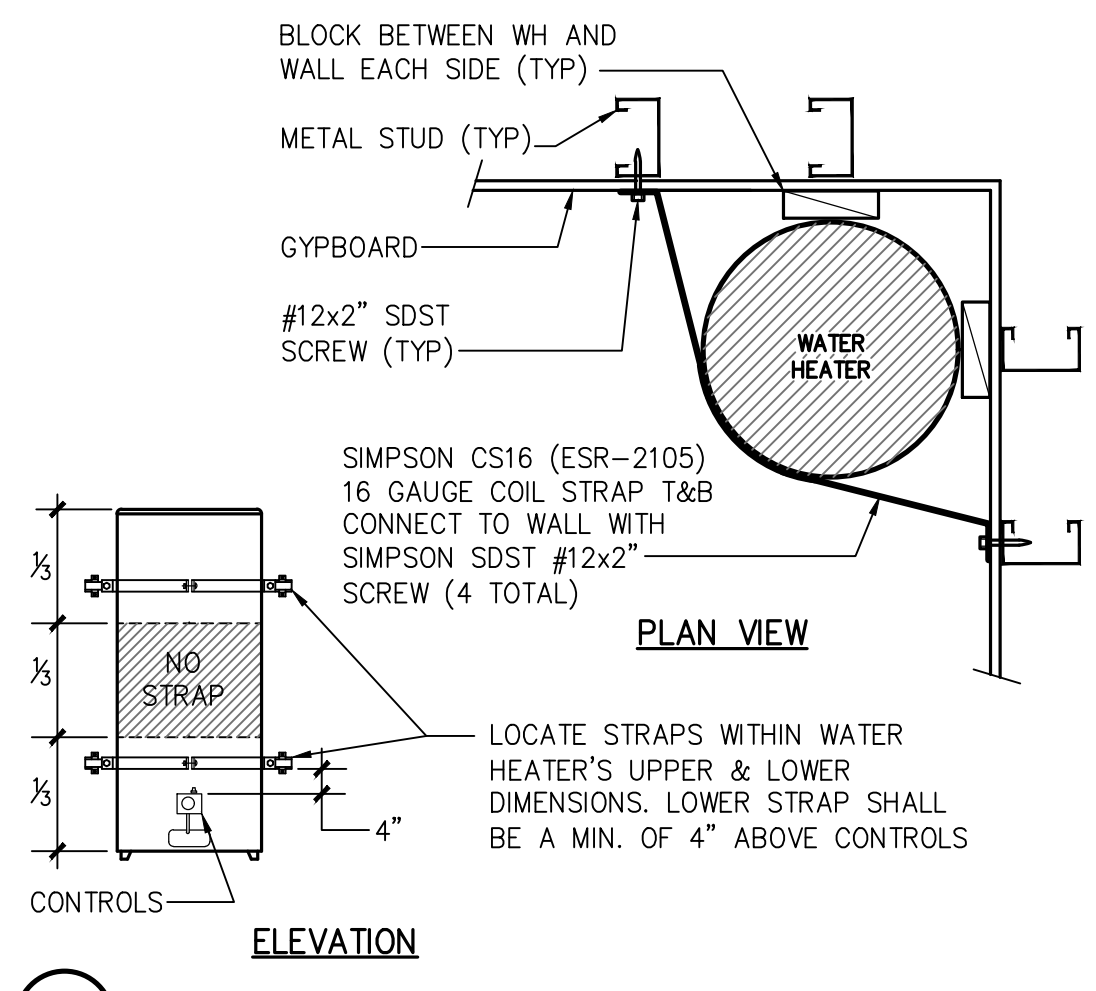
7 ROOF DRAIN & OVERFLOW



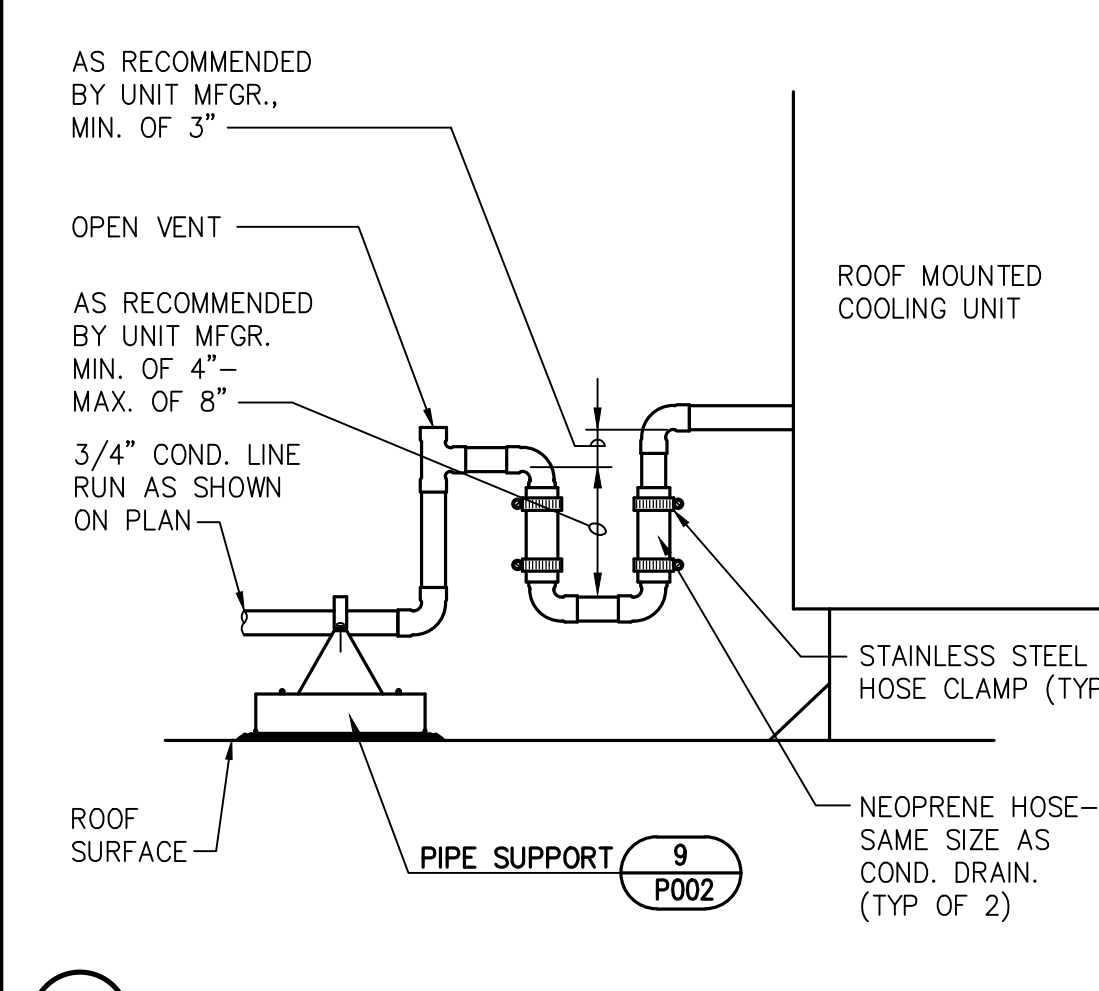
2 WALL CLEANOUT



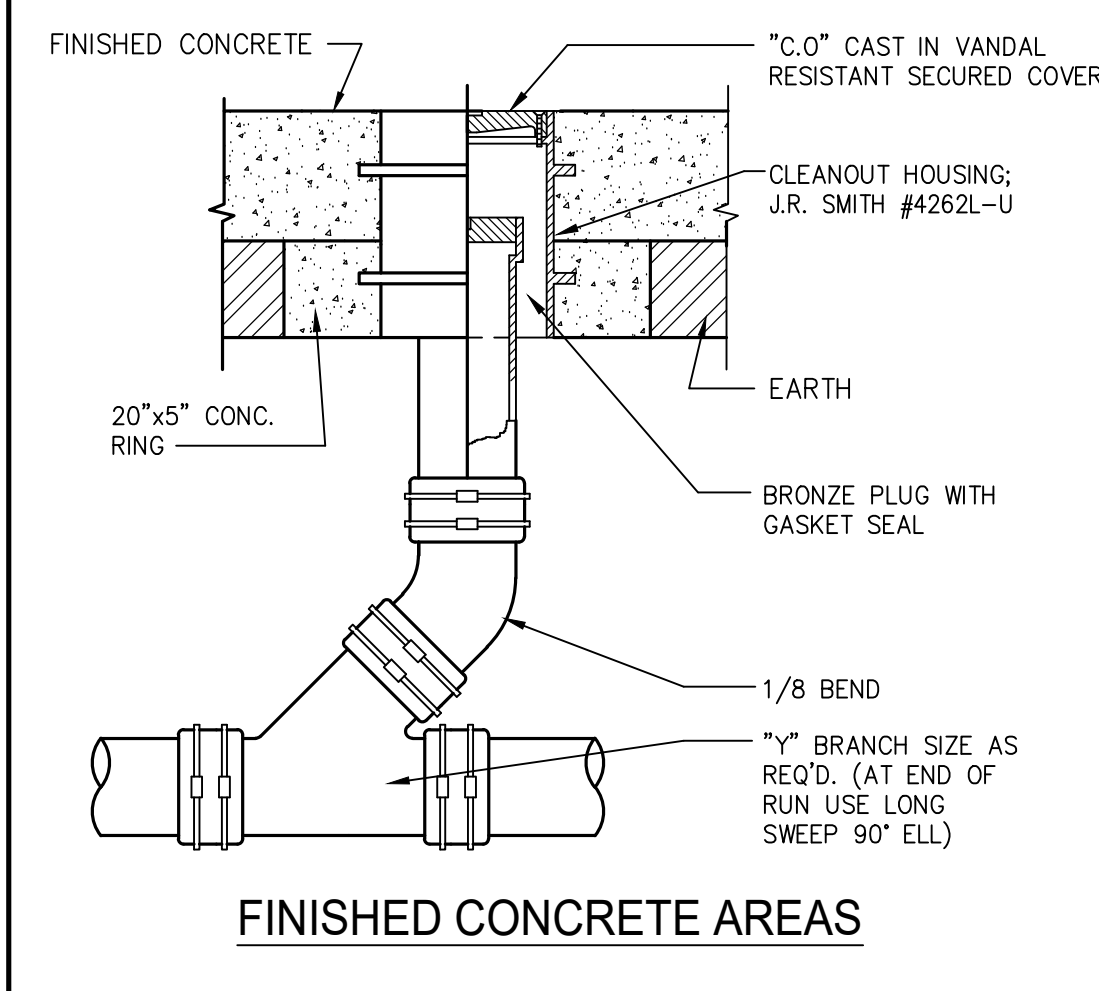
15 GAS PIPE PENETRATION



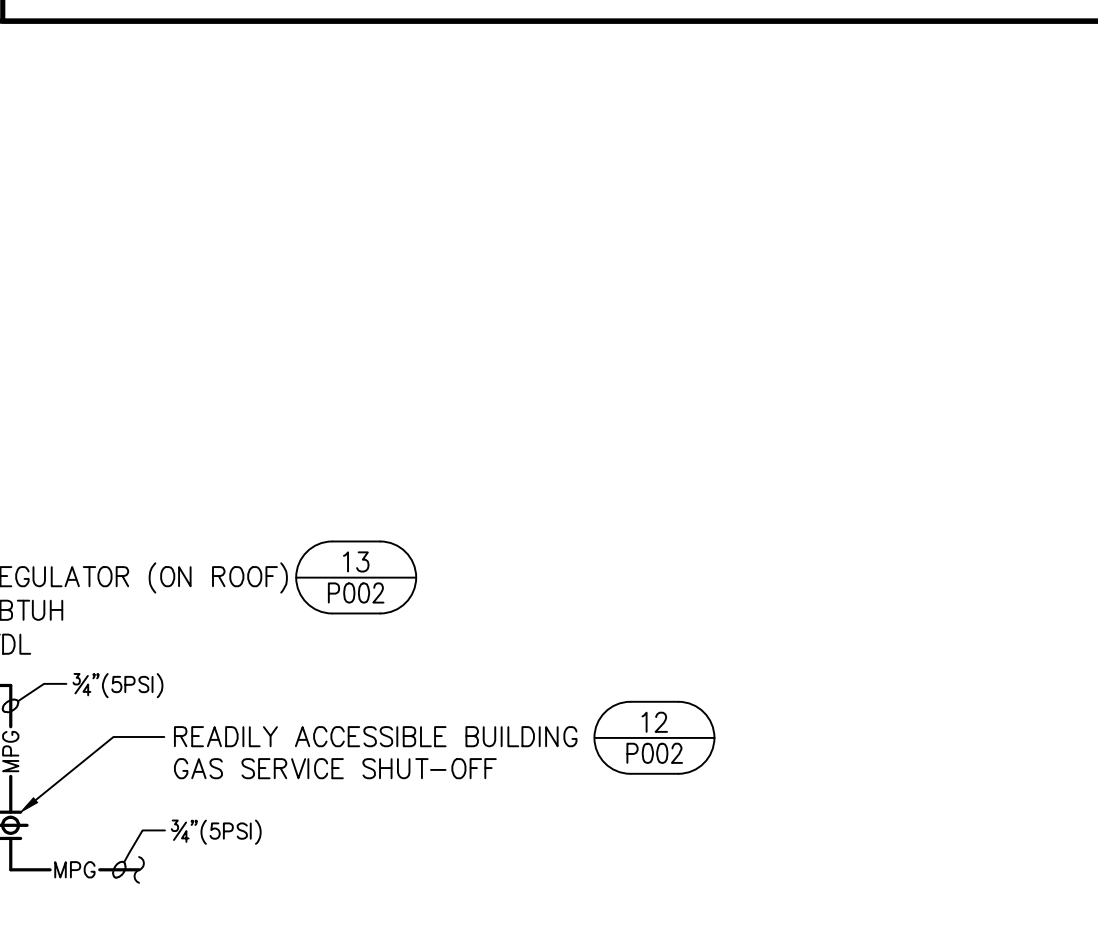
11 WATER HEATER RESTRAINT



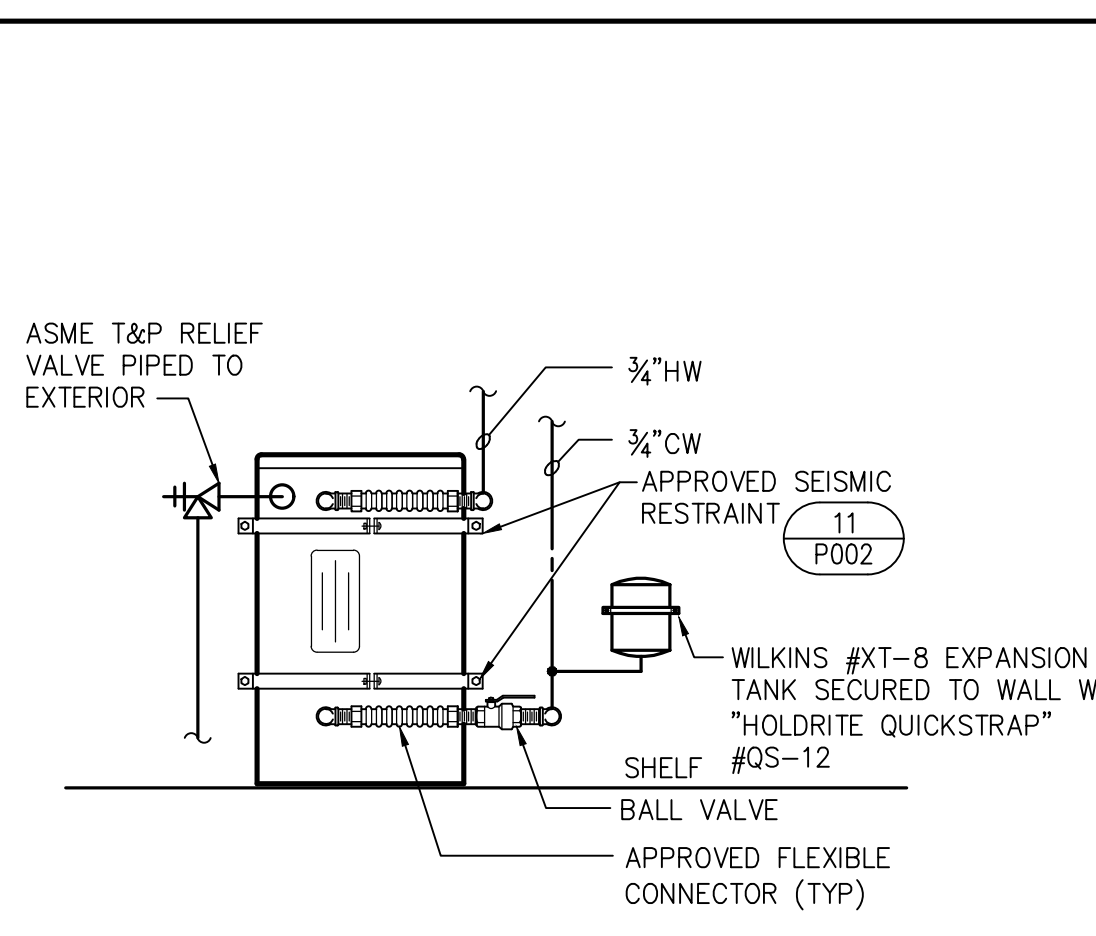
6 UNIT CONDENSATE DRAIN



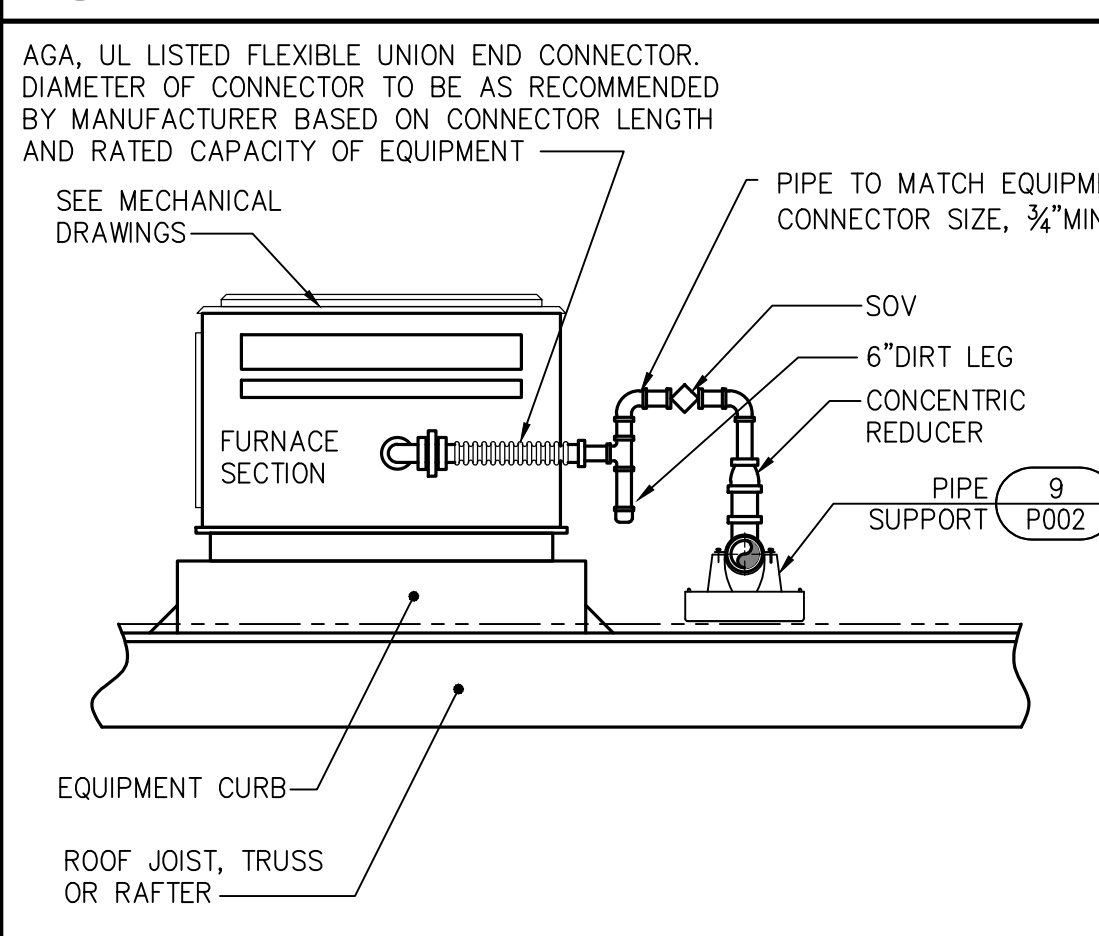
FINISHED CONCRETE AREAS



10 WH-1



5 GAS CONNECTION



1 CLEANOUT TO GRADE

**GAS PIPING RISER DIAGRAM**

NTS PIPING SIZED PER 2019 CPC TABLE 1216.2(1)

AGENCY APPROVAL USA# XX-XXXXX

# 19.6 ARCHITECTS

560 HIGUERA STREET, SUITE C  
SAN LUIS OBISPO, CA 93401  
TEL (805) 476-0399

CONSULTANTS  
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**ORCUTT ACADEMY**  
**HS MUR BUILDING**  
 ORCUTT ACADEMY  
 HIGH SCHOOL  
 ORCUTT, CA 93455

SHEET TITLE  
**PLUMBING DETAILS**

DRAWN BY: DM JOB NUMBER: 20179-01  
 SHEET NO.  
**P002**  
 DATE: MARCH 2, 2022





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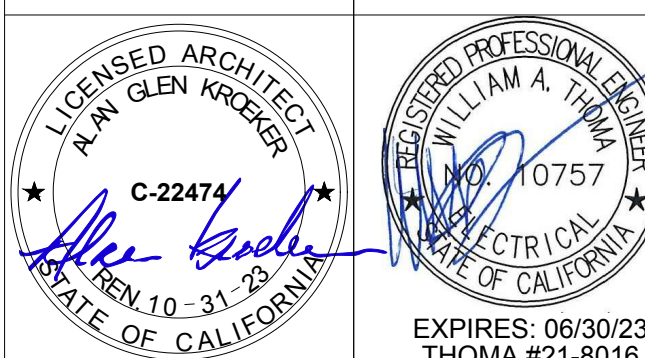
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Orcutt, CA 93455

**ORCUTT ACADEMY HS MUR BUILDING**  
610 Pinal Avenue  
Orcutt, CA 93455

SHEET TITLE

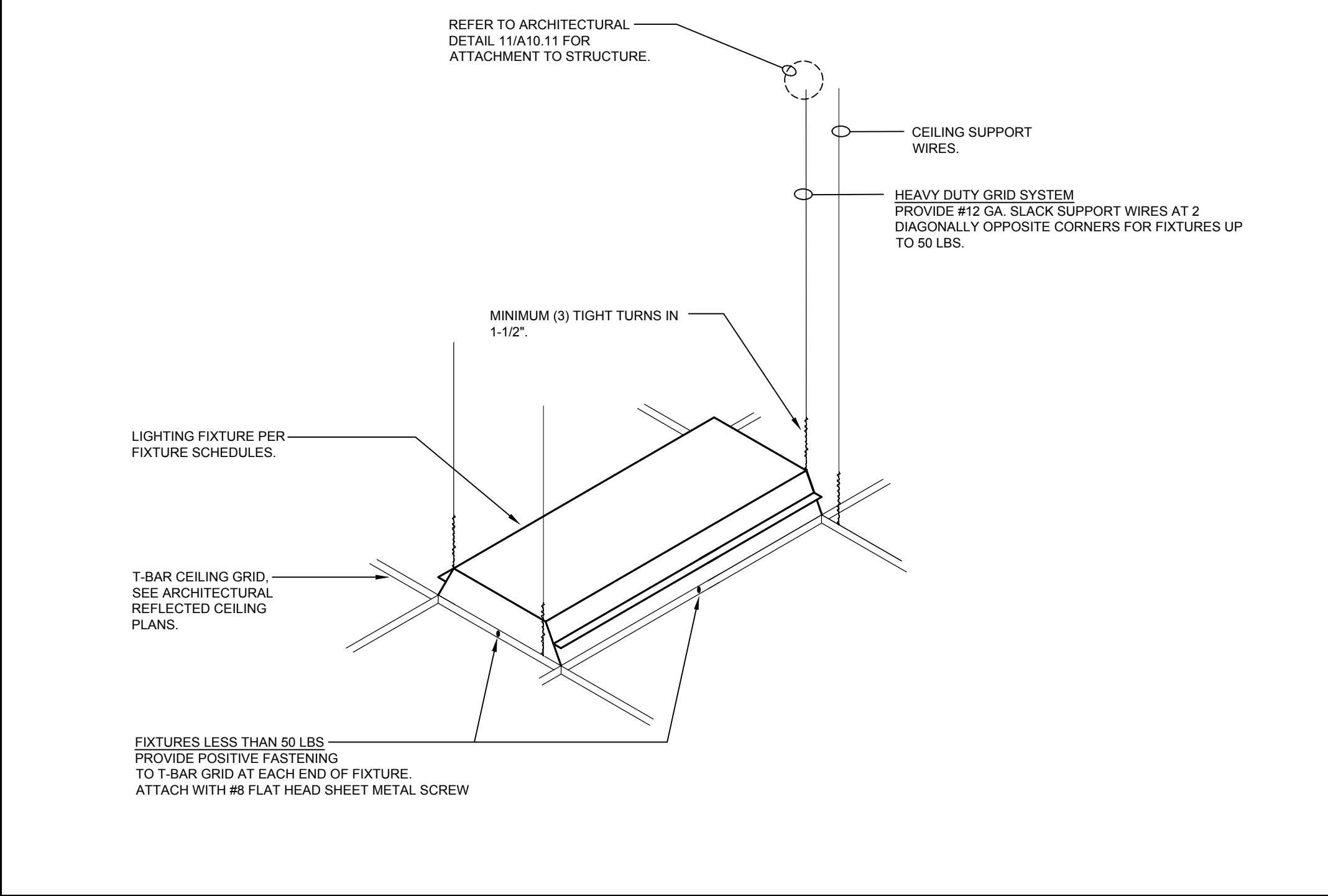
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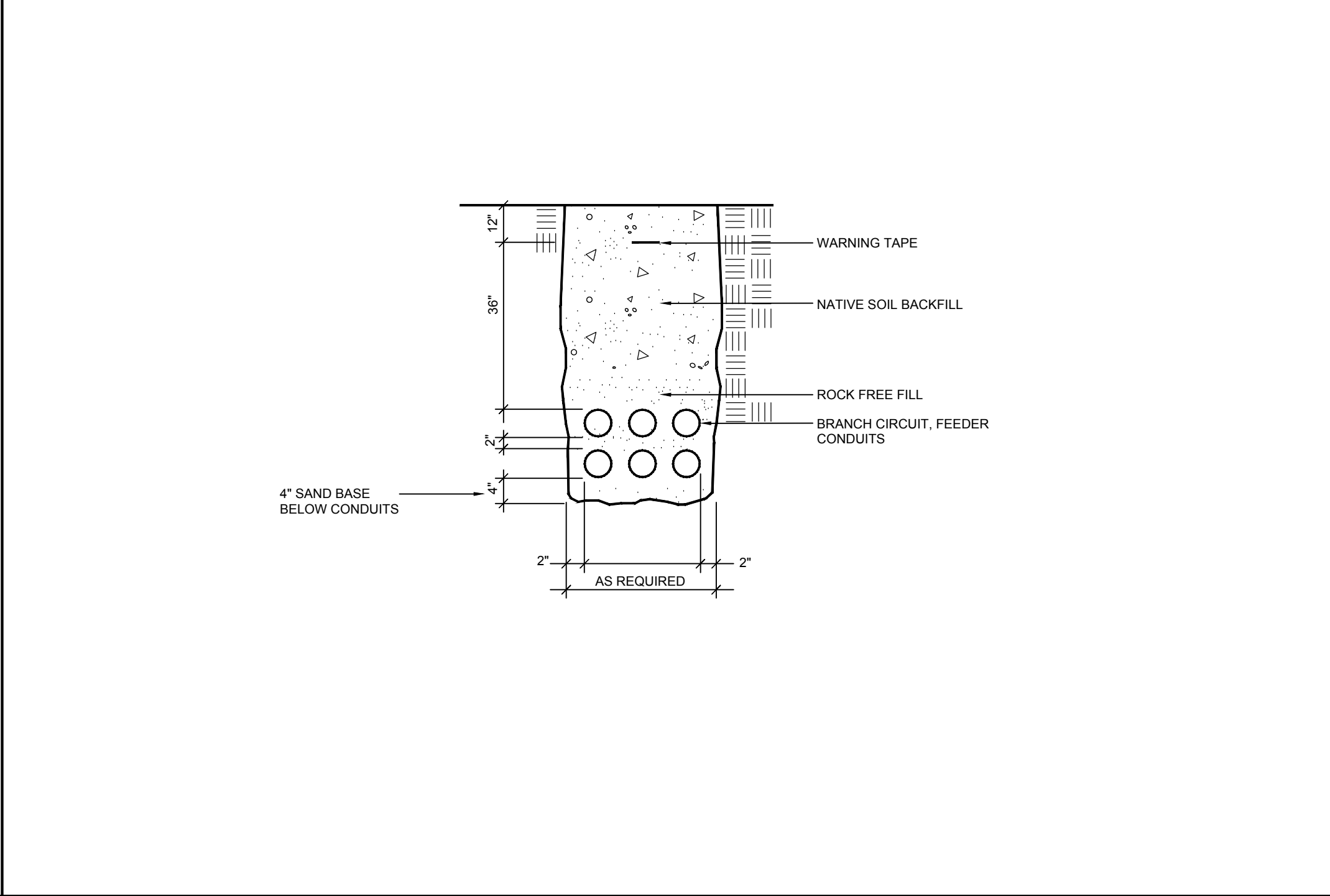
SHEET NO.

**E-301**

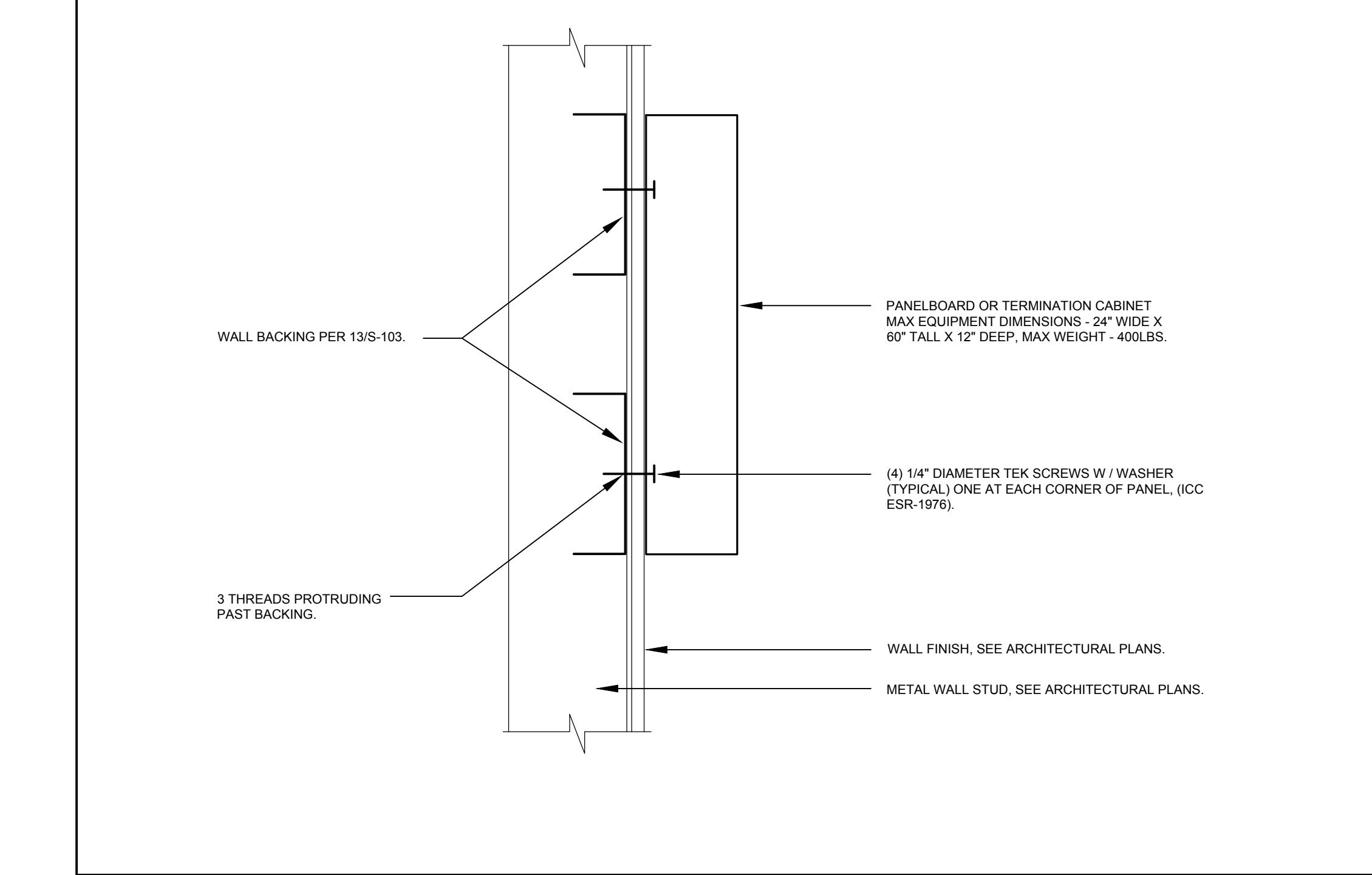
DATE: FEBRUARY 11, 2022



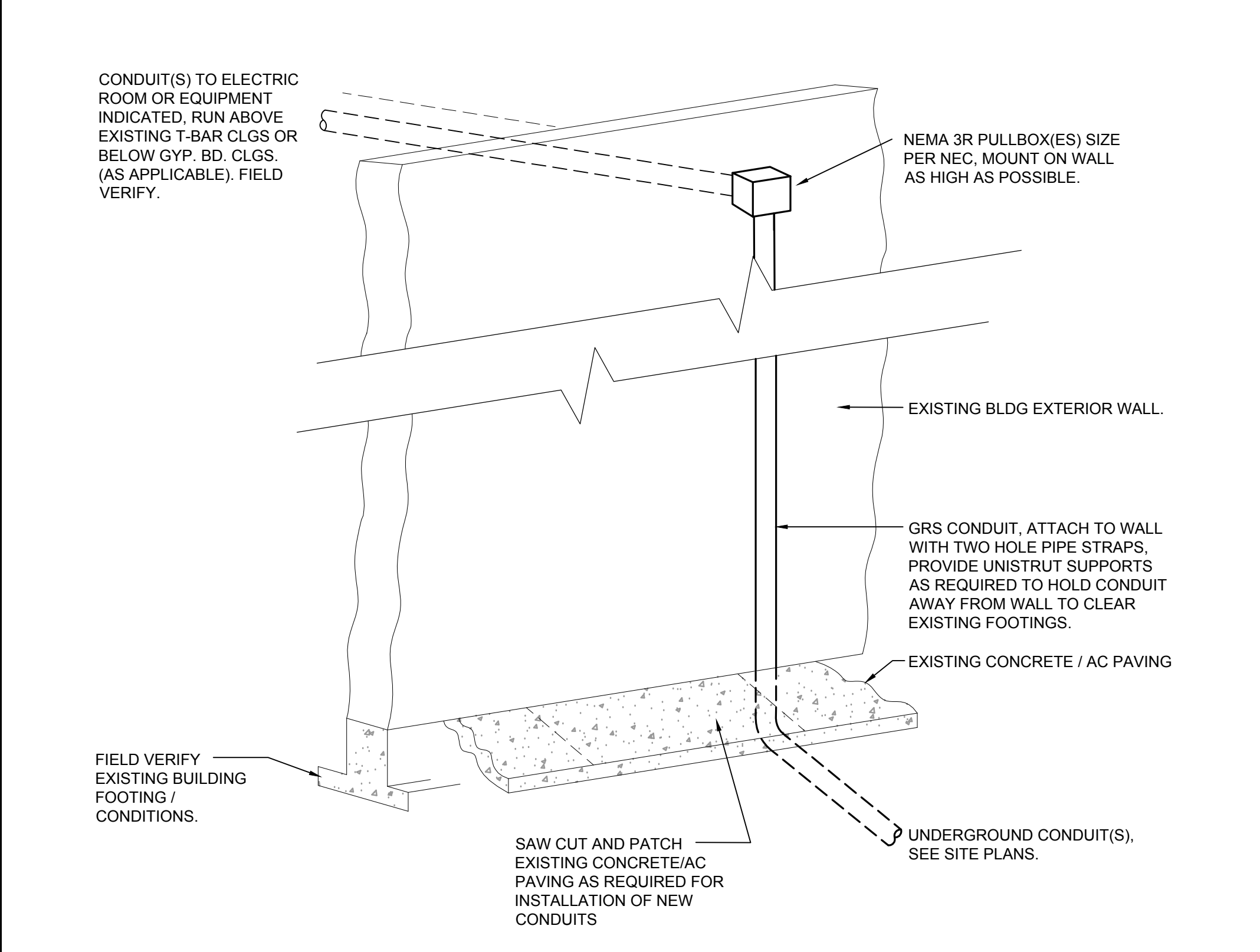
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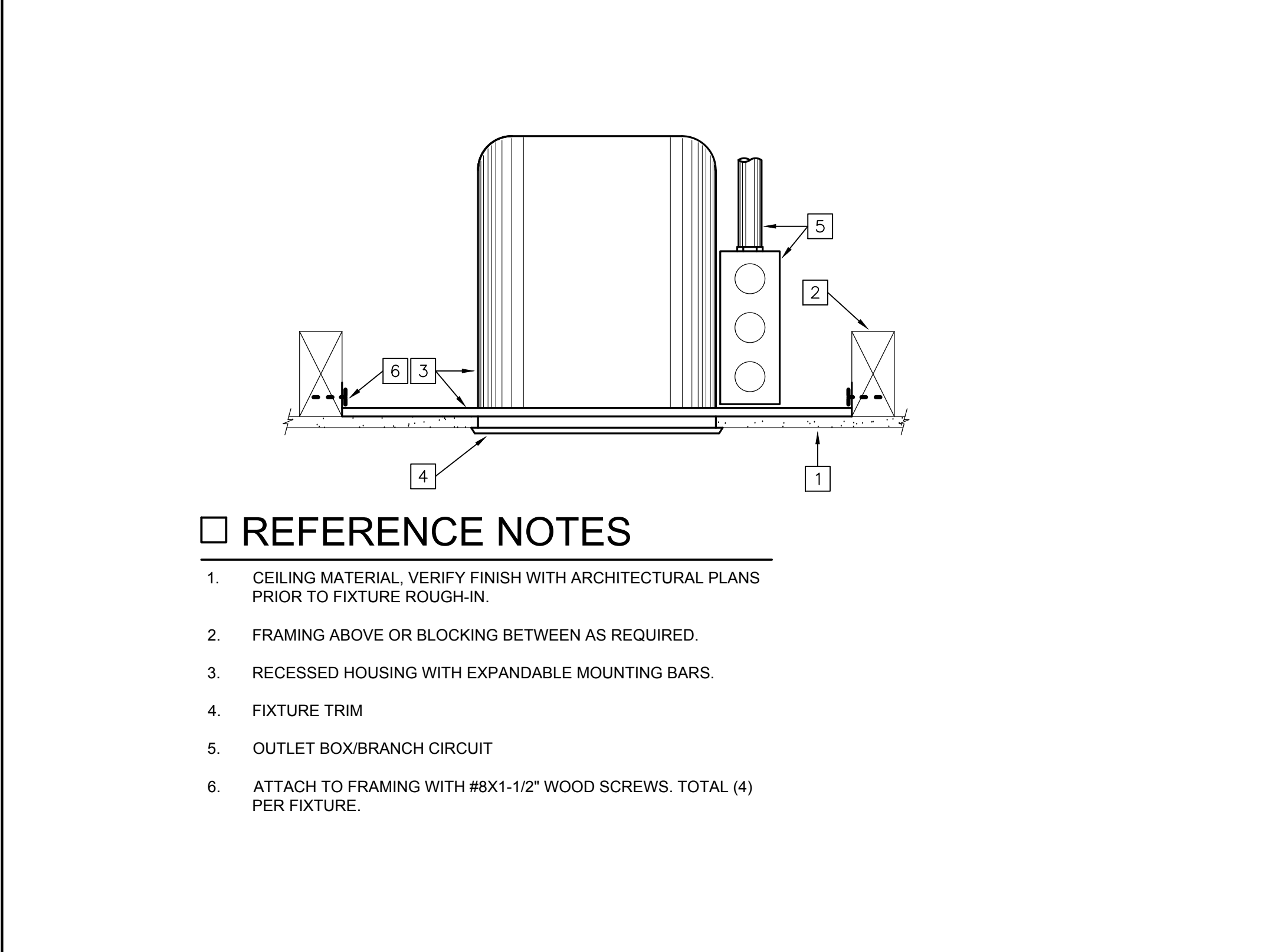
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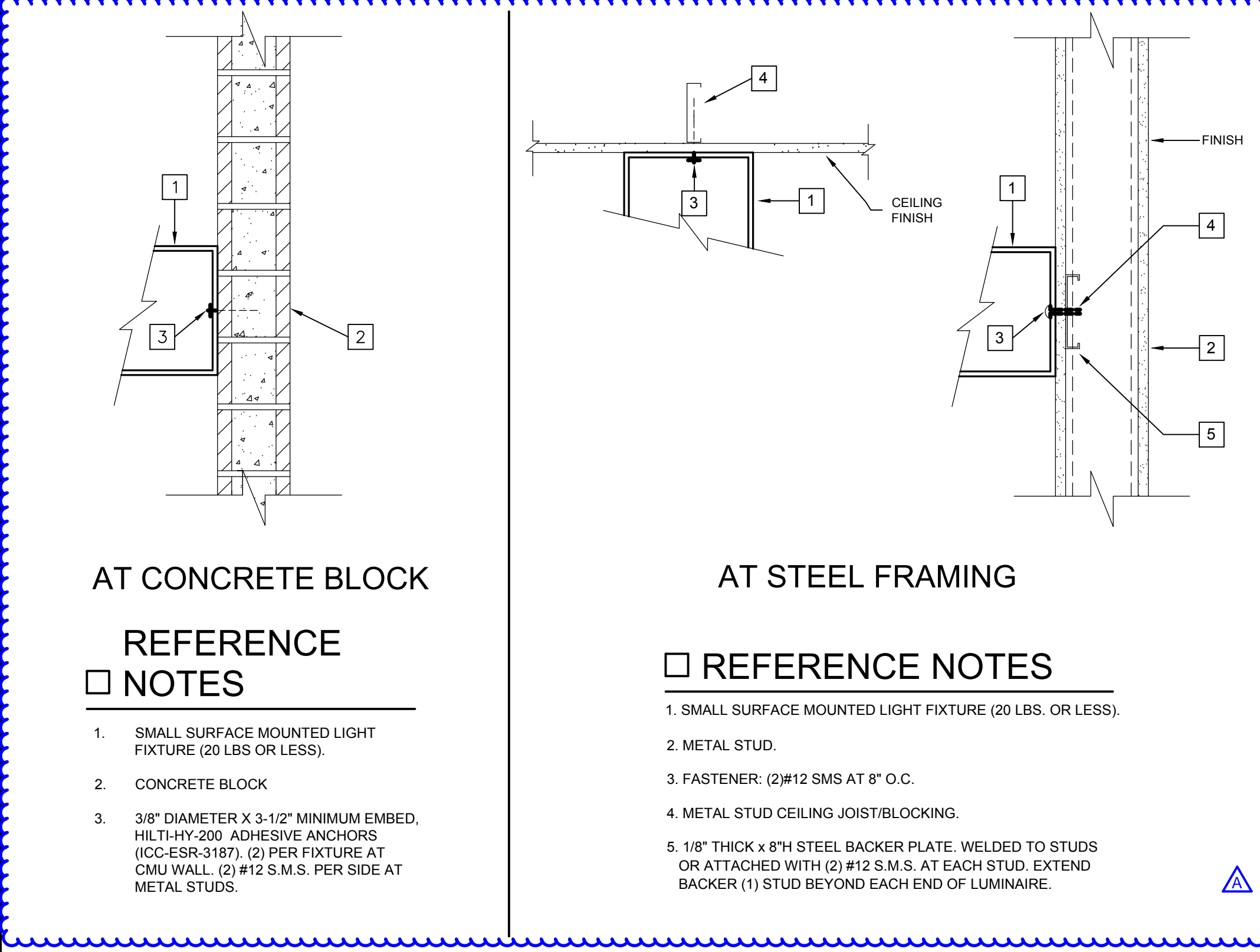
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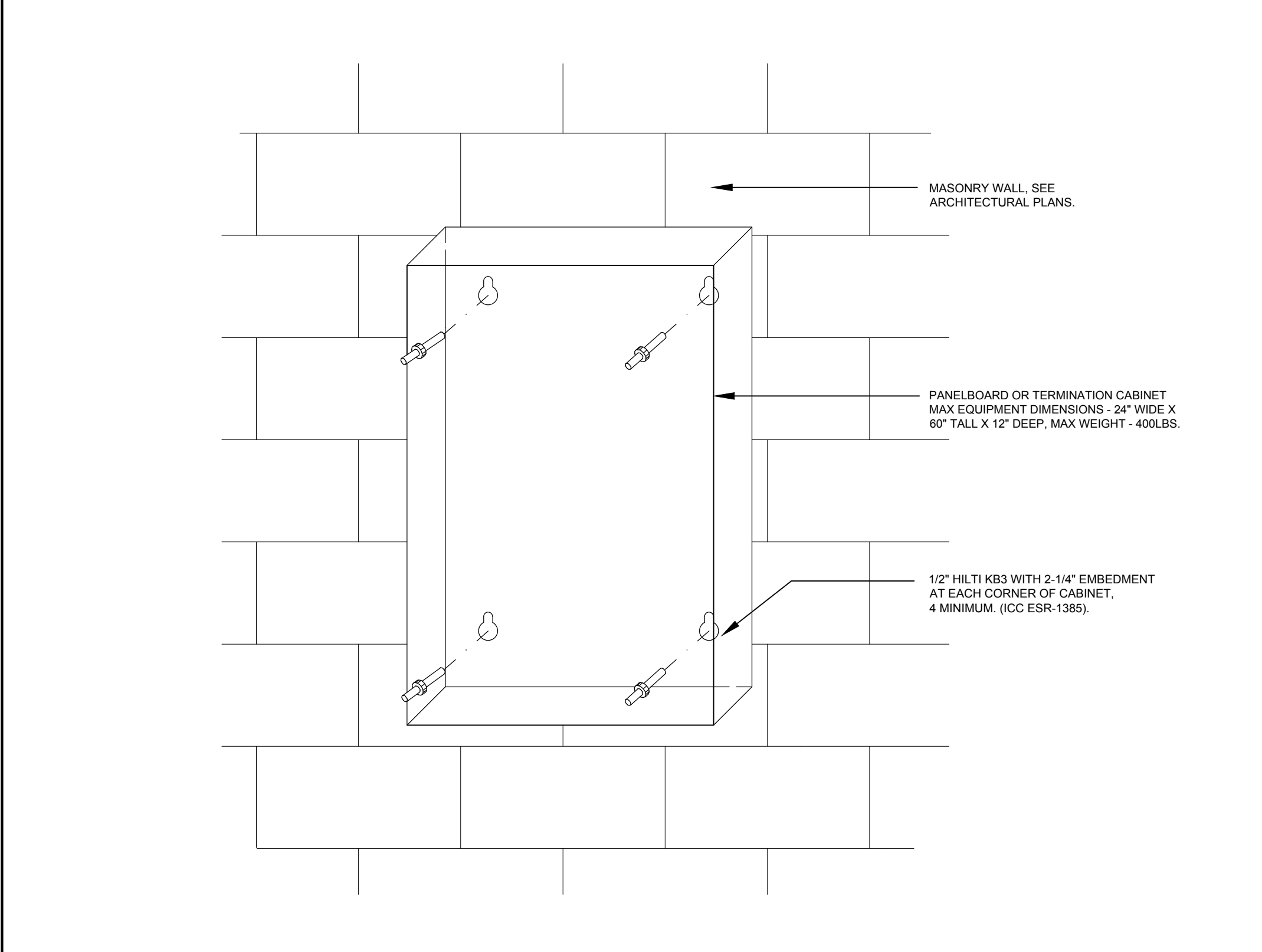
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SCALE: NOT TO SCALE



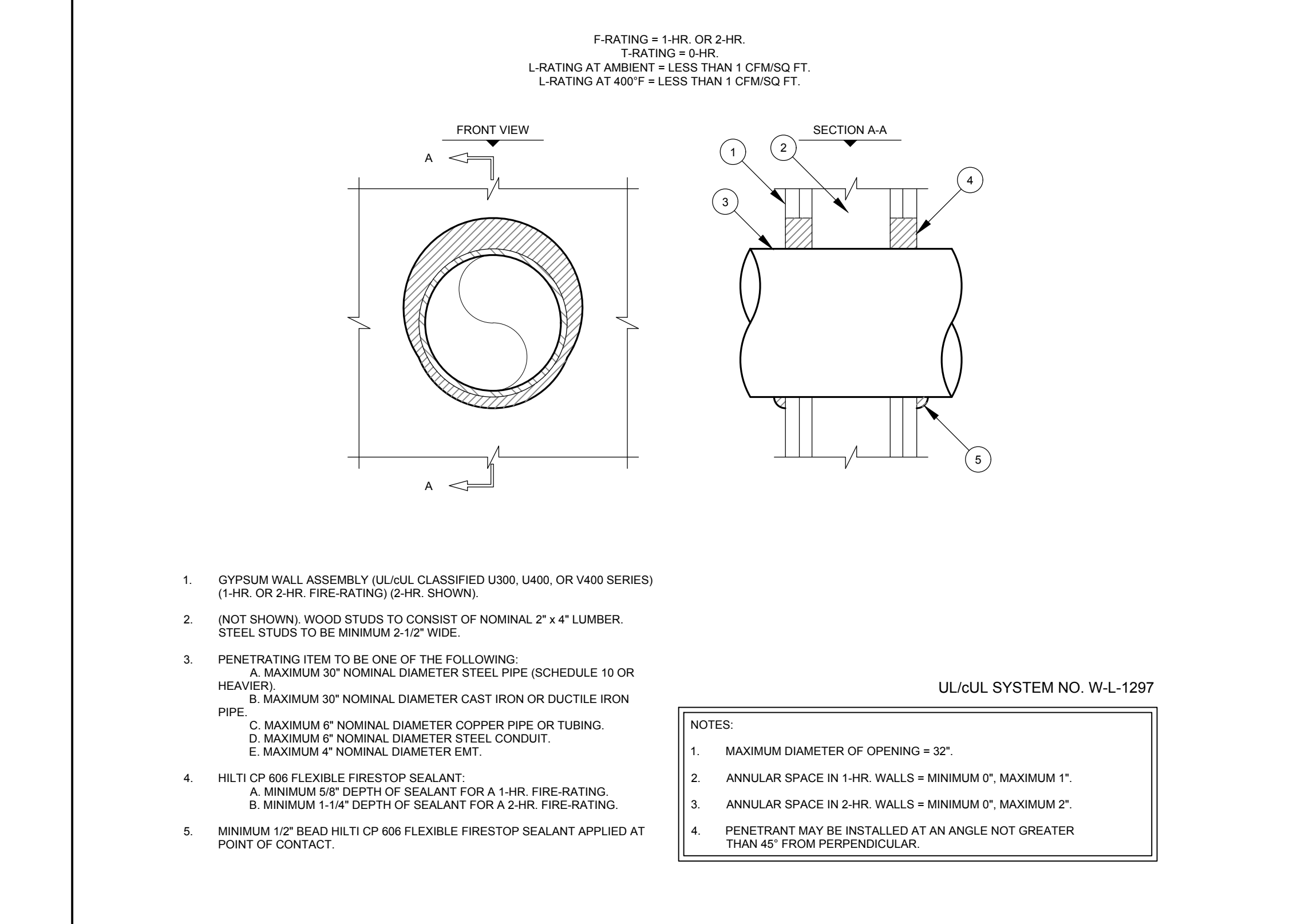
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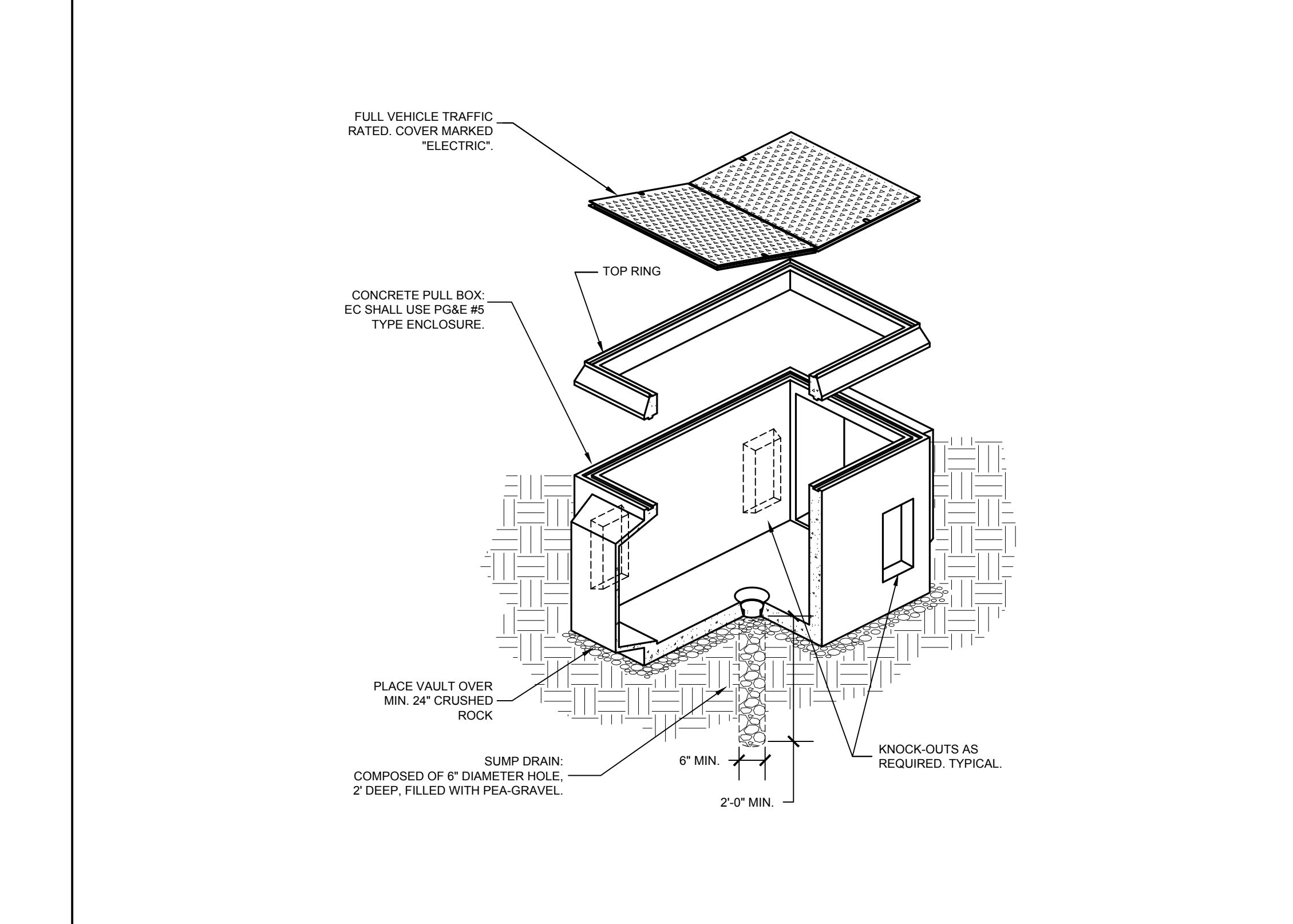
**3 TYPICAL WALL / SURFACE FIXTURE MOUNTING DETAIL**  
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**6 SURFACE MOUNTED CABINET DETAIL**  
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**8 METAL PIPE THRU 1-HR OR 2-HR GYPSUM WALL ASSEMBLY DETAIL**  
SCALE: NOT TO SCALE



**9 PULLBOX MOUNTING DETAIL**  
SCALE: NOT TO SCALE

FILE LOCATION: DATE PLOTTED:



560 HIGUERA STREET, SUITE C  
SAN LUIS OBISPO, CA 93401  
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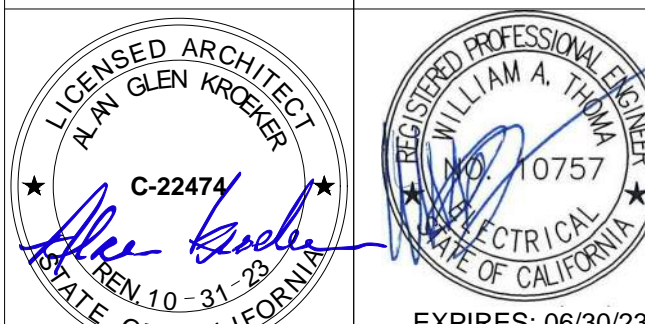
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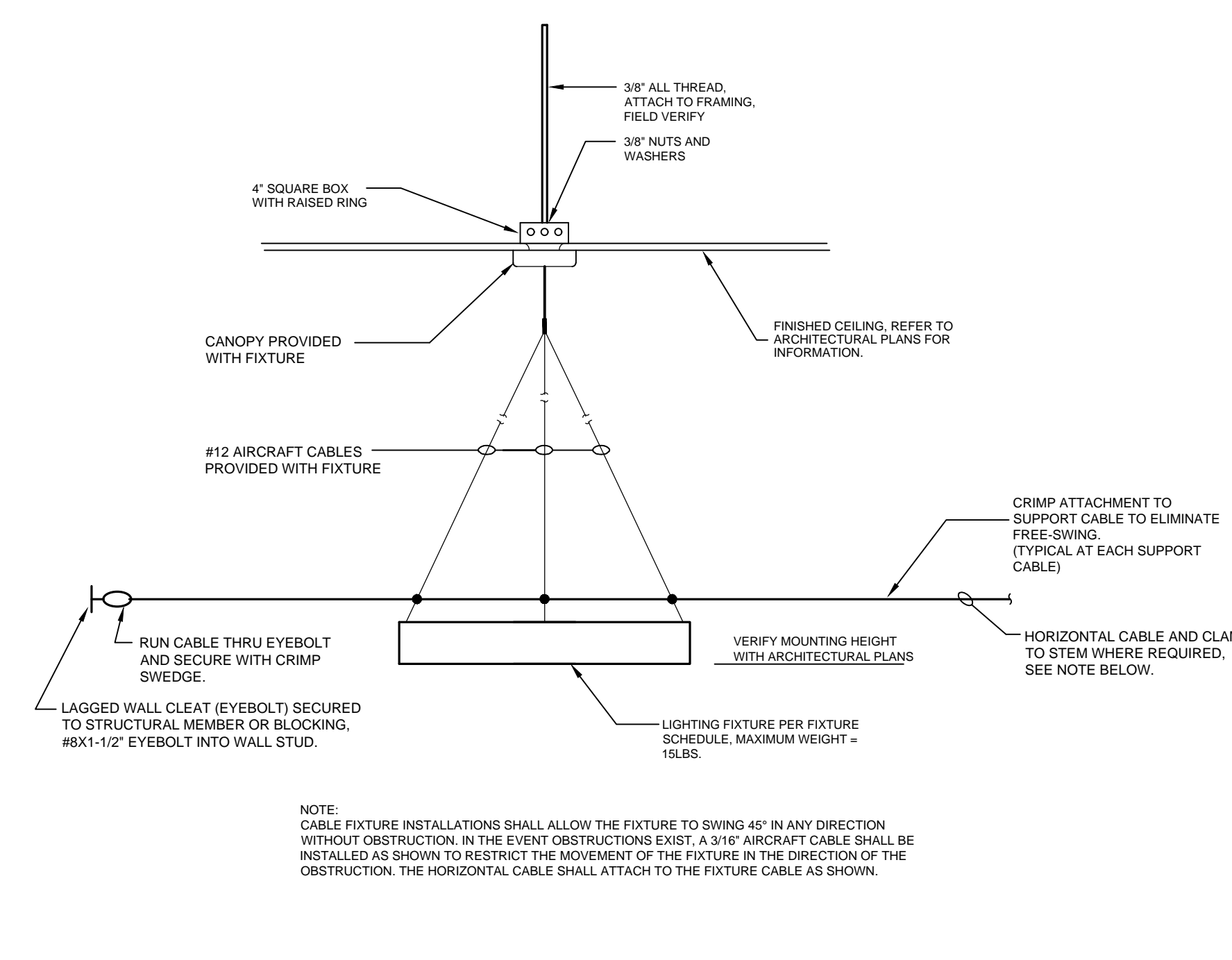
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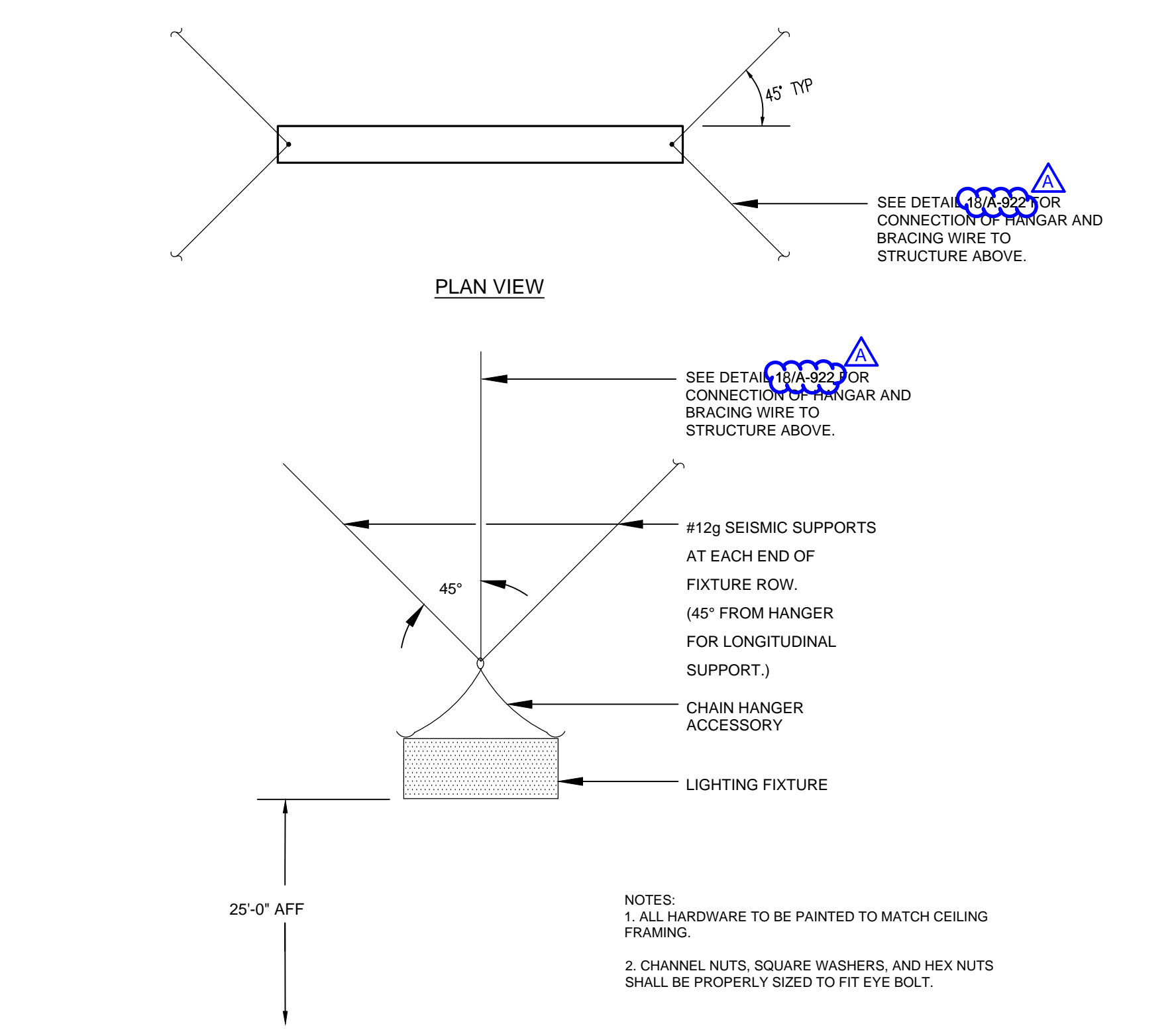
SHEET NO.

E-302

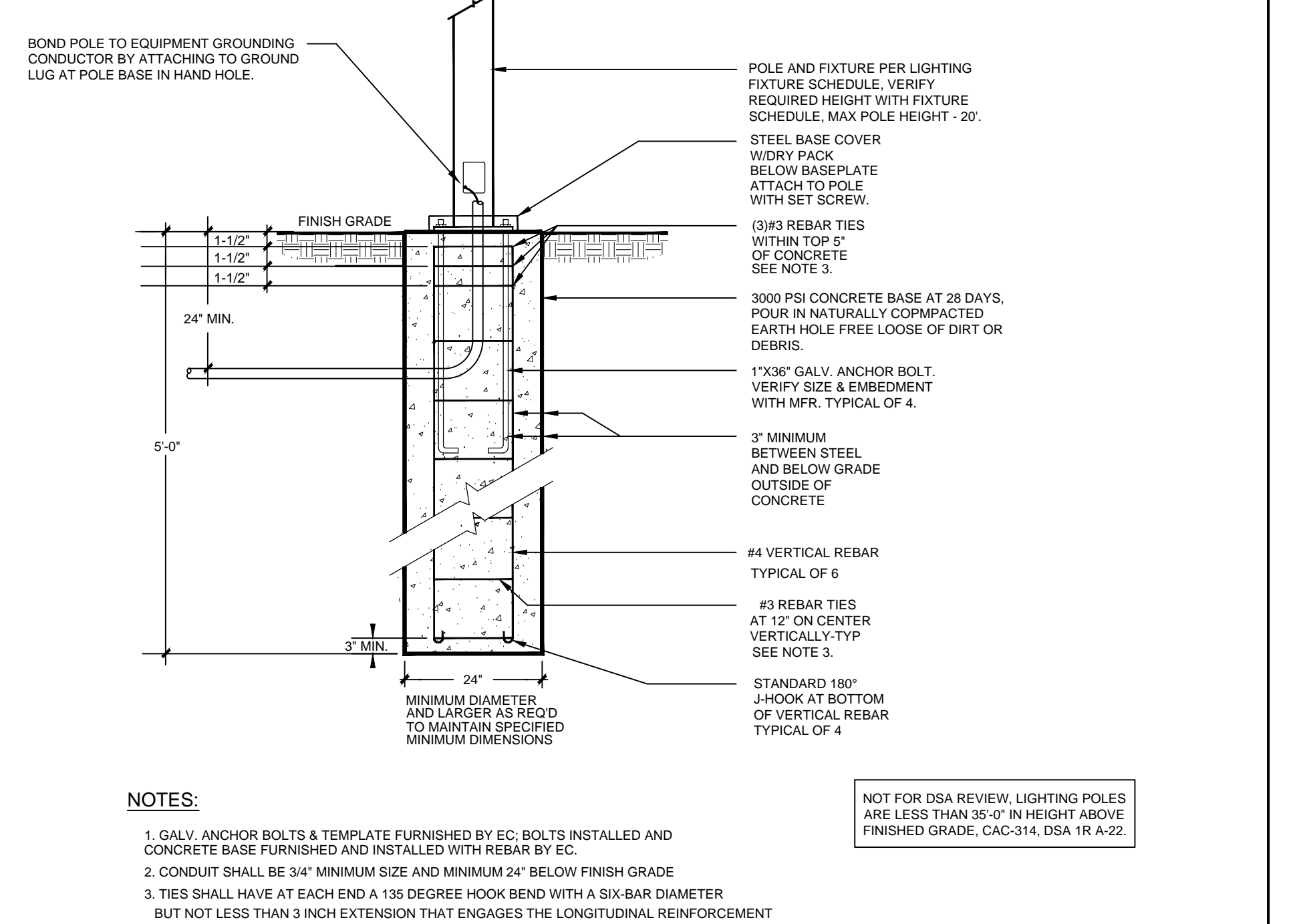
DATE: FEBRUARY 11, 2022



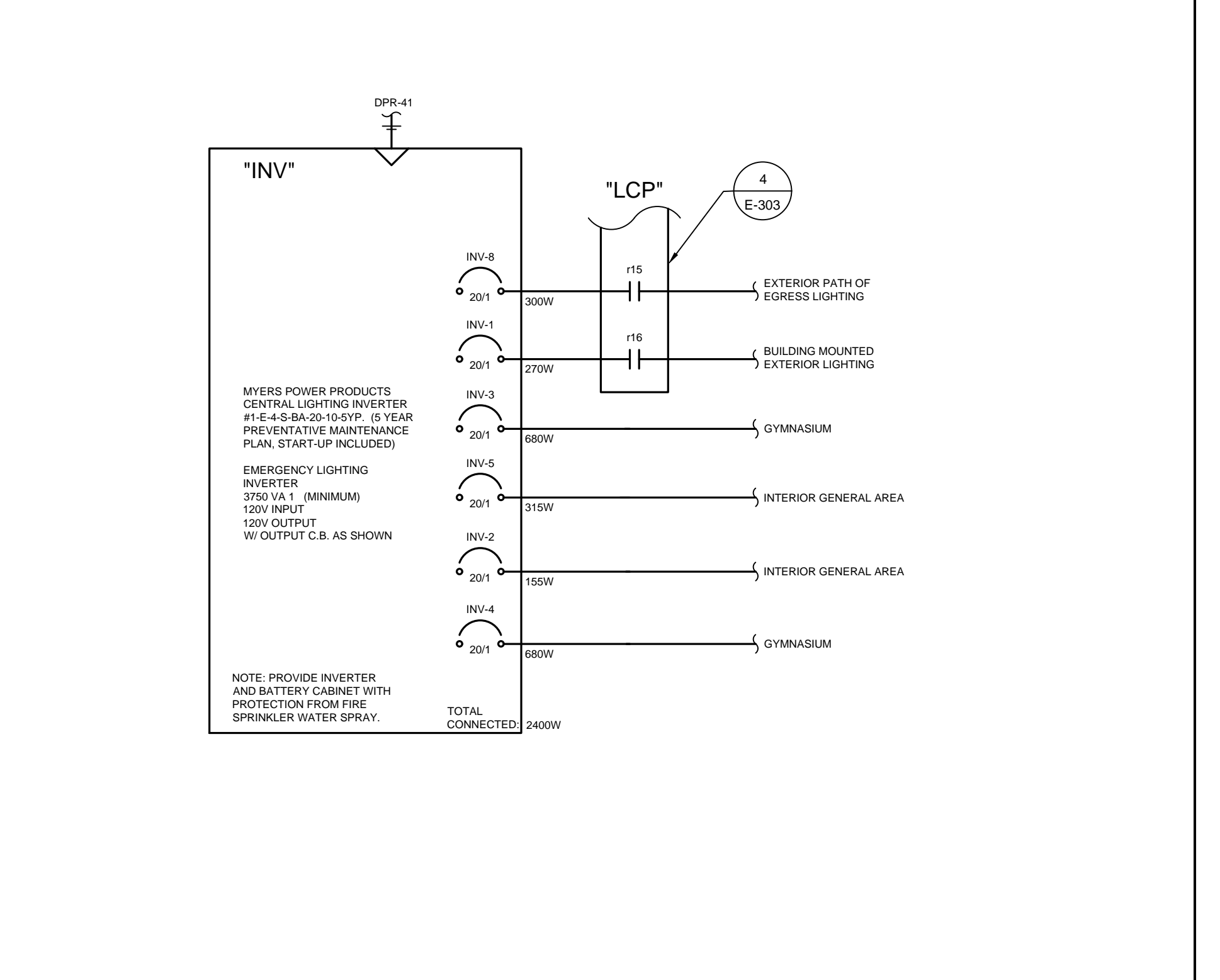
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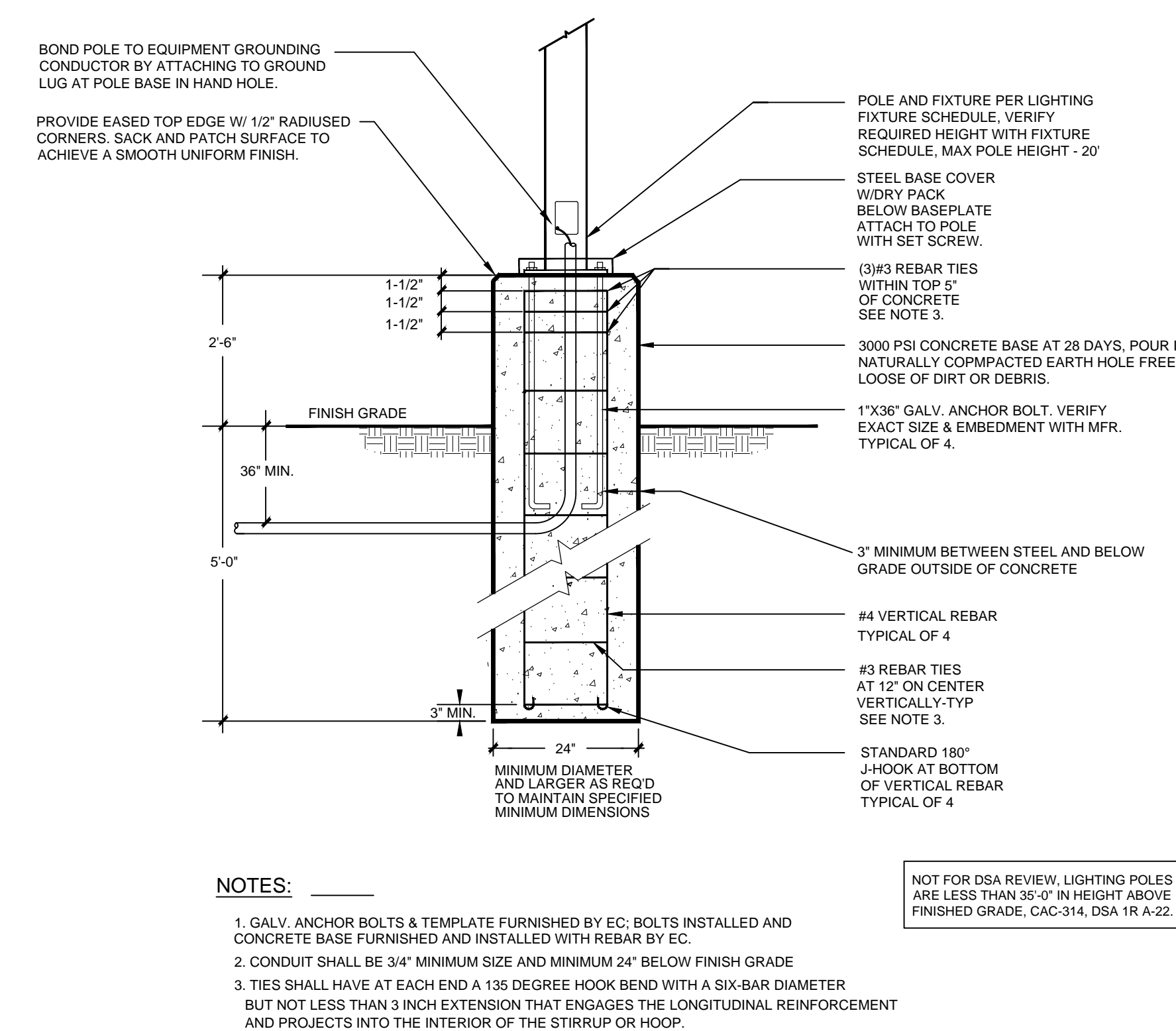
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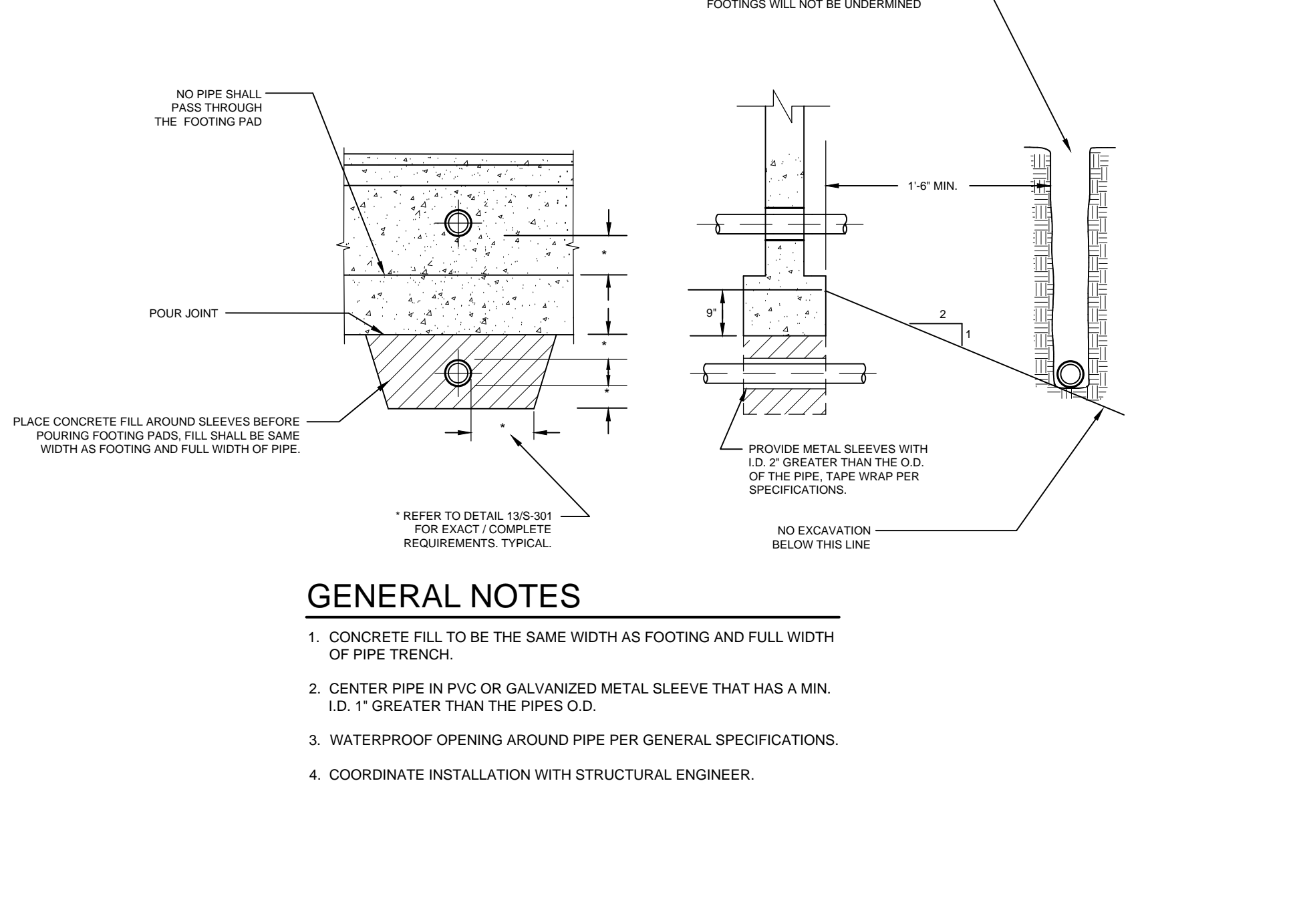
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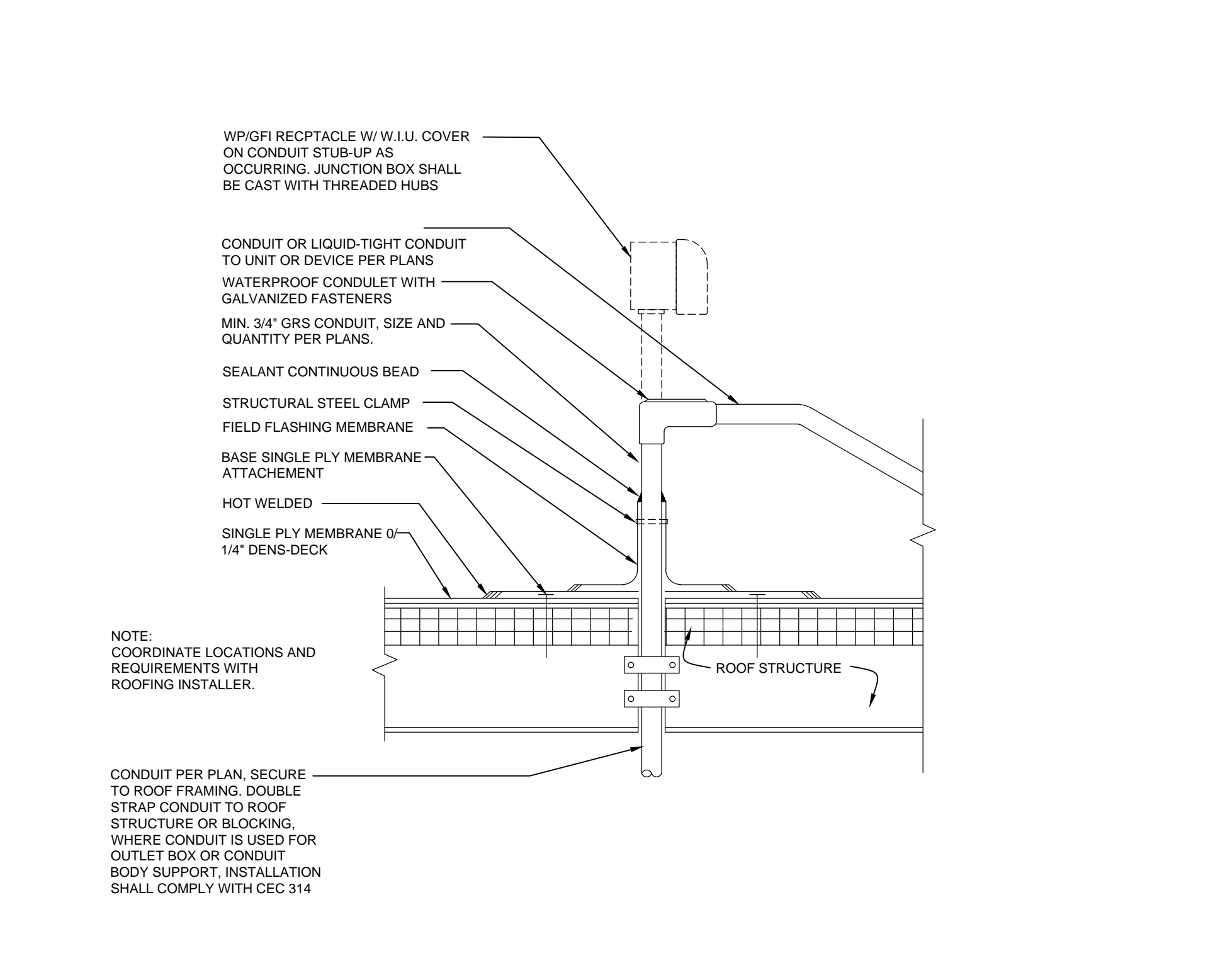
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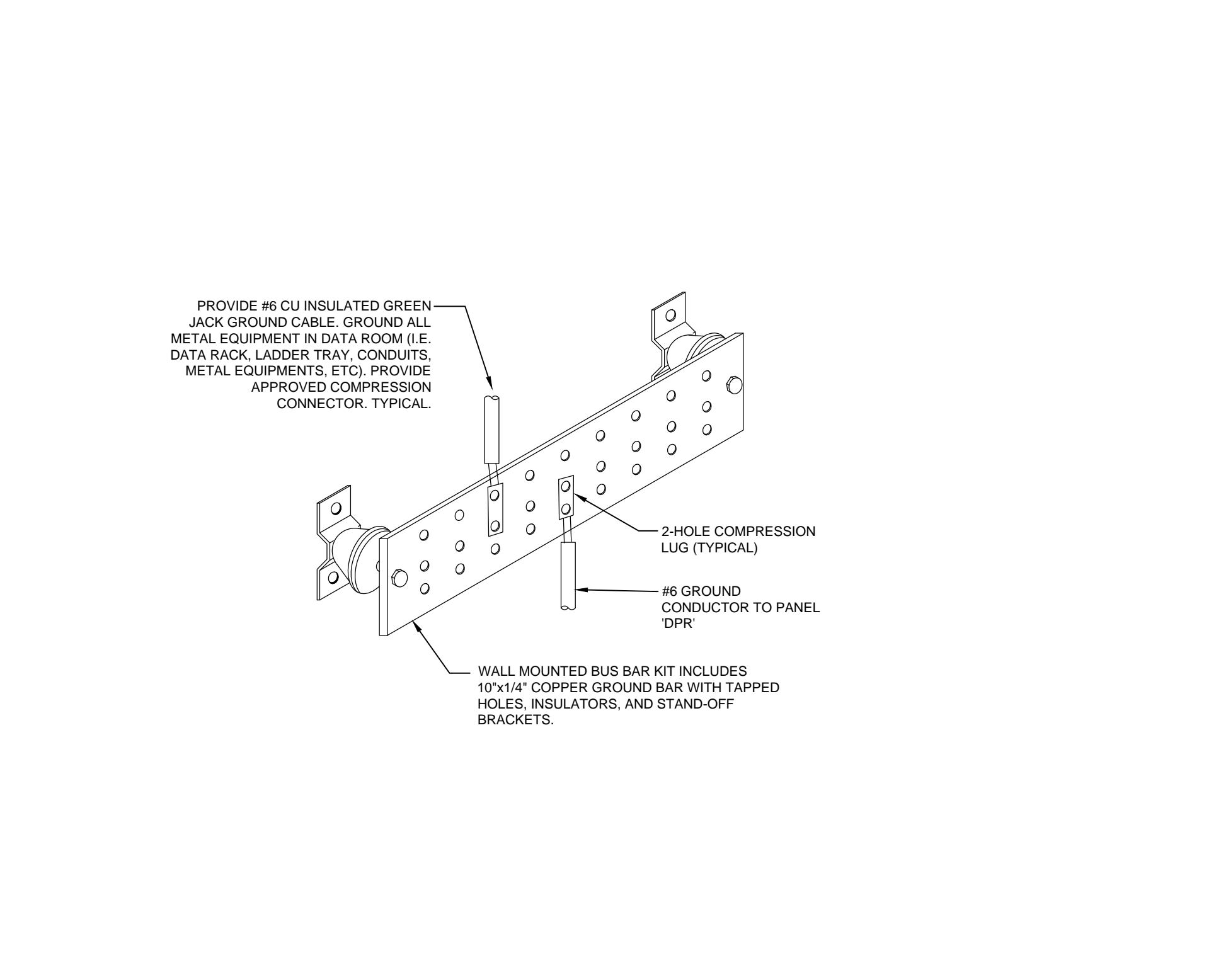
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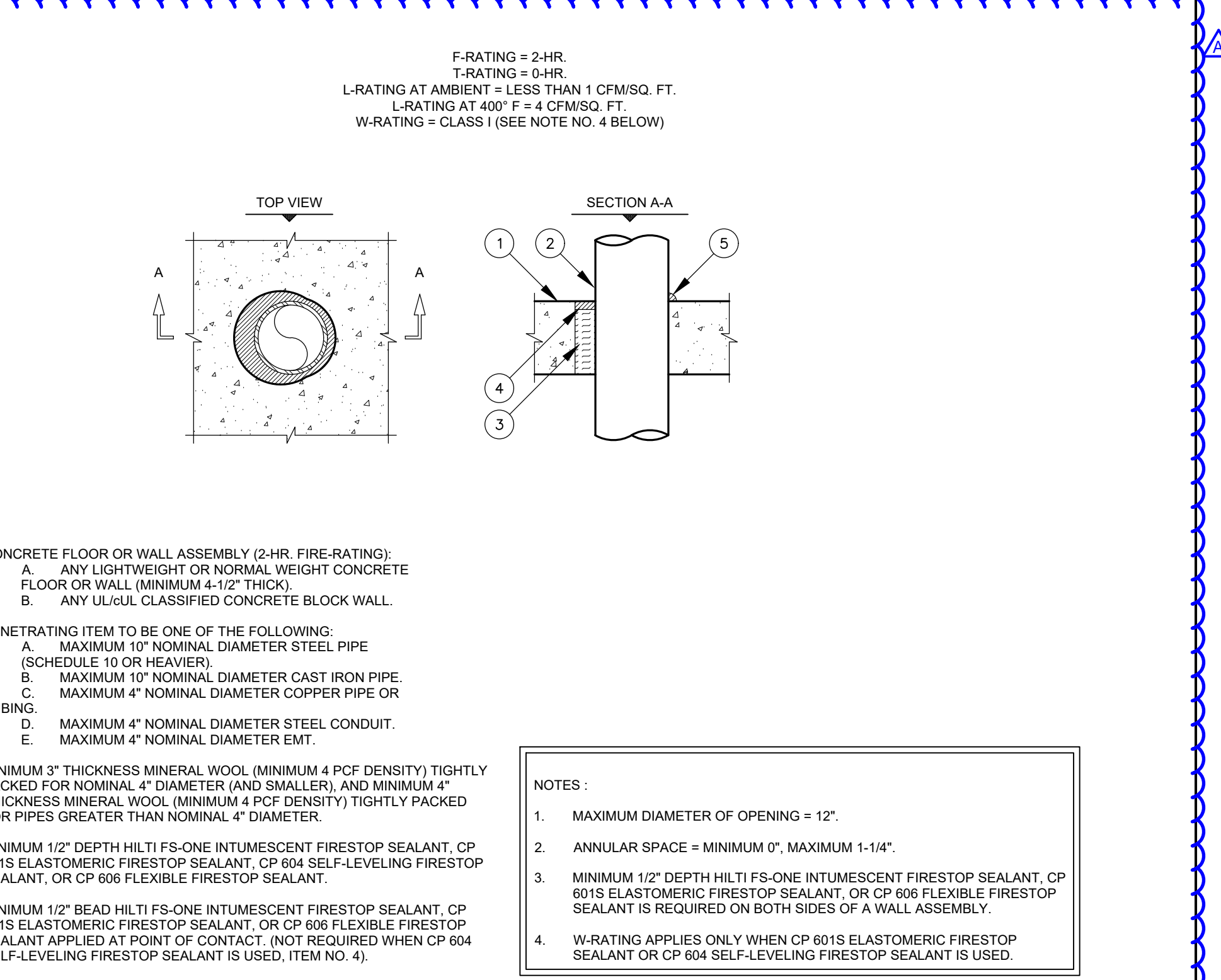
7 CONDUIT THROUGH FOOTING GRADE BEAM DETAIL  
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8 ROOF PENETRATION / RECEPTACLE DETAIL  
SCALE: NOT TO SCALE



9 DATA EQUIPMENT GROUND BUS BAR DETAIL  
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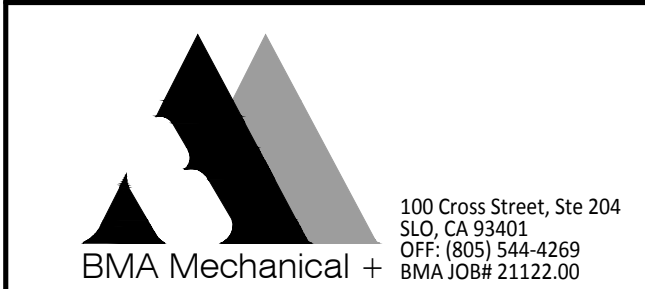


6 METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL  
SCALE: UL/cUL SYSTEM NO. C-AJ-1149

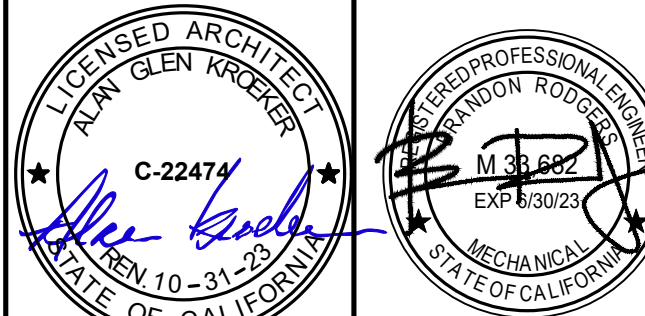
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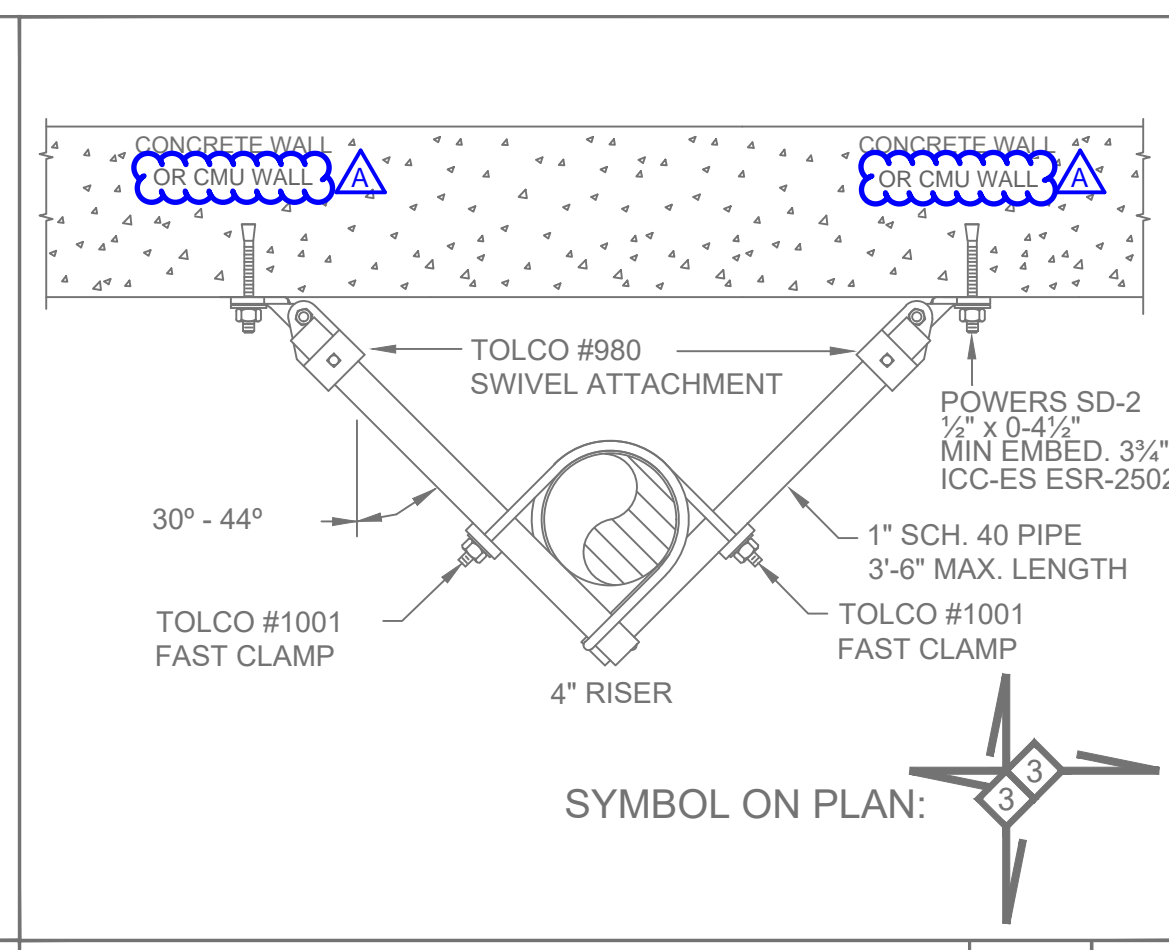
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SHEET TITLE  
**DETAILS**

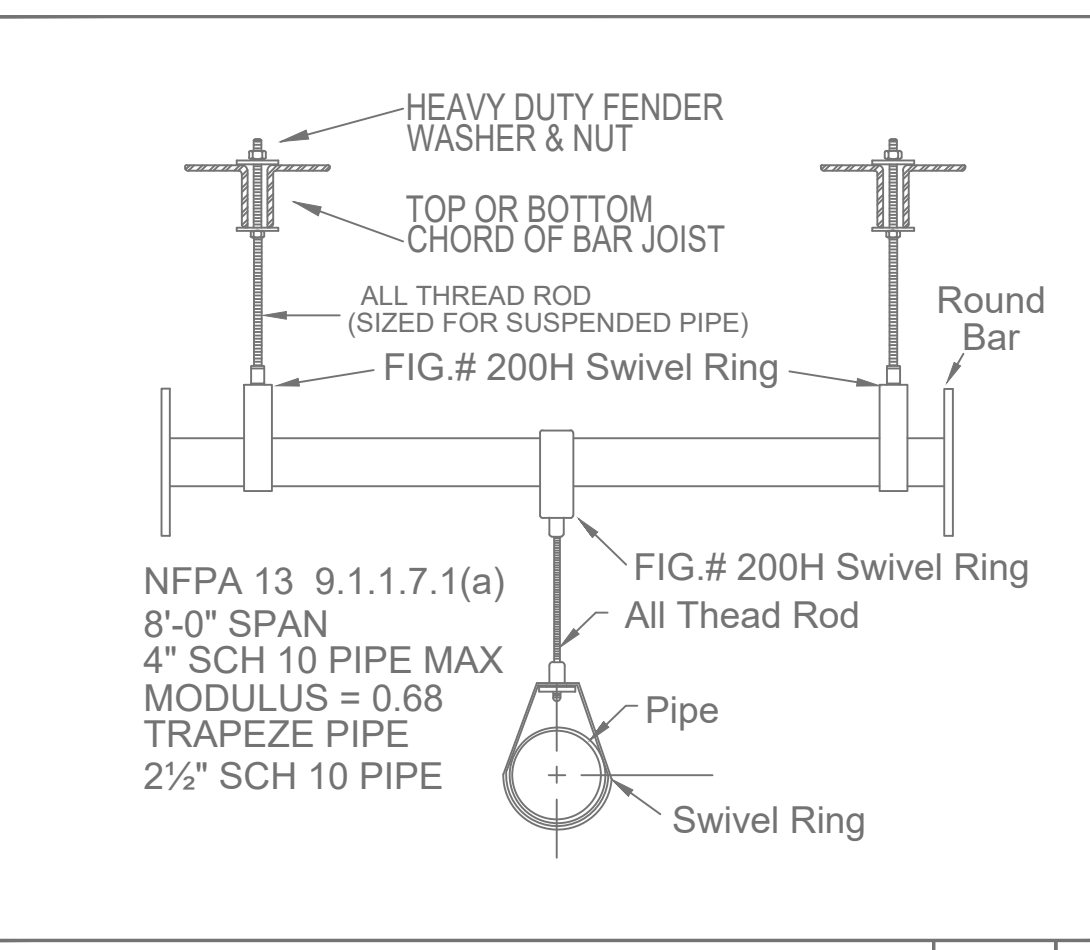
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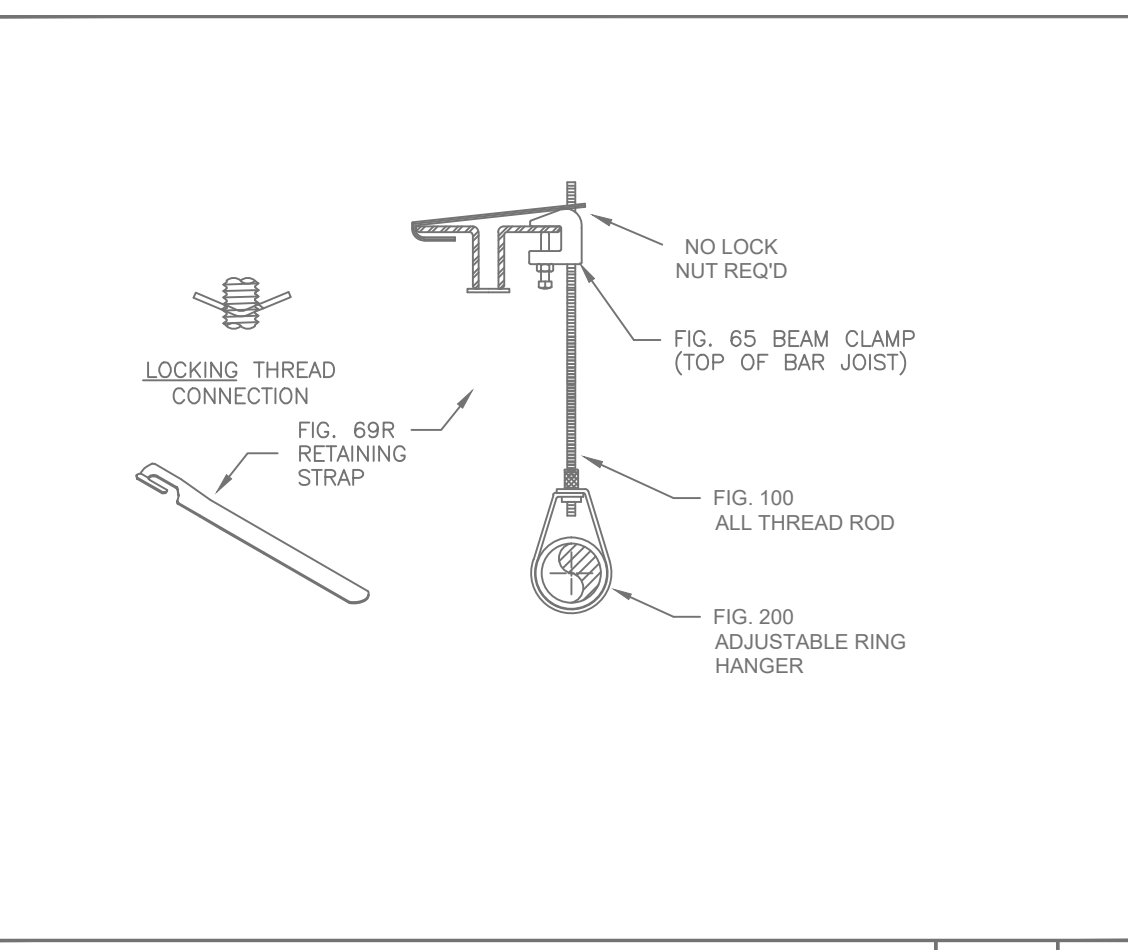
DATE: MARCH 2, 2022



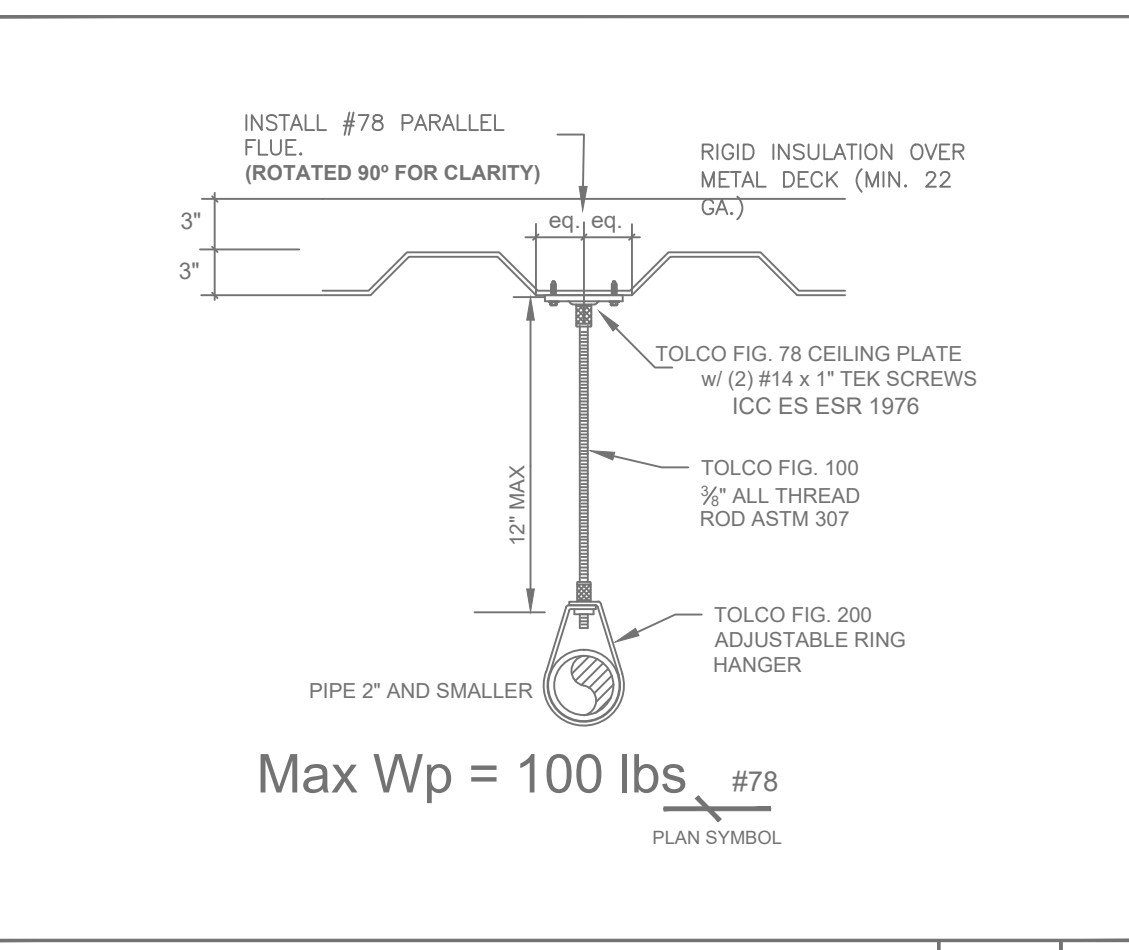
4-WAY RISER BRACE DETAIL NTS 3



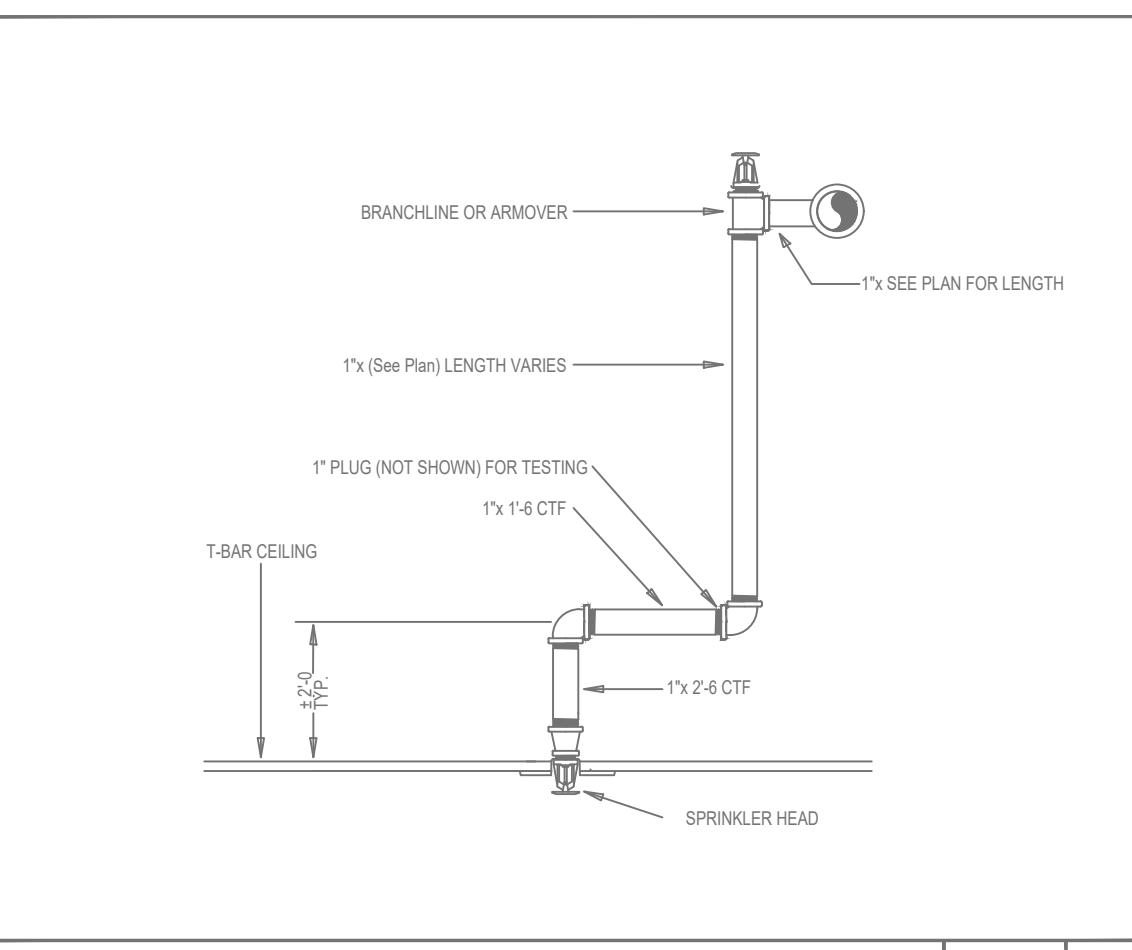
TYPICAL MAIN TRAPEZE HANGER DETAIL NTS 7



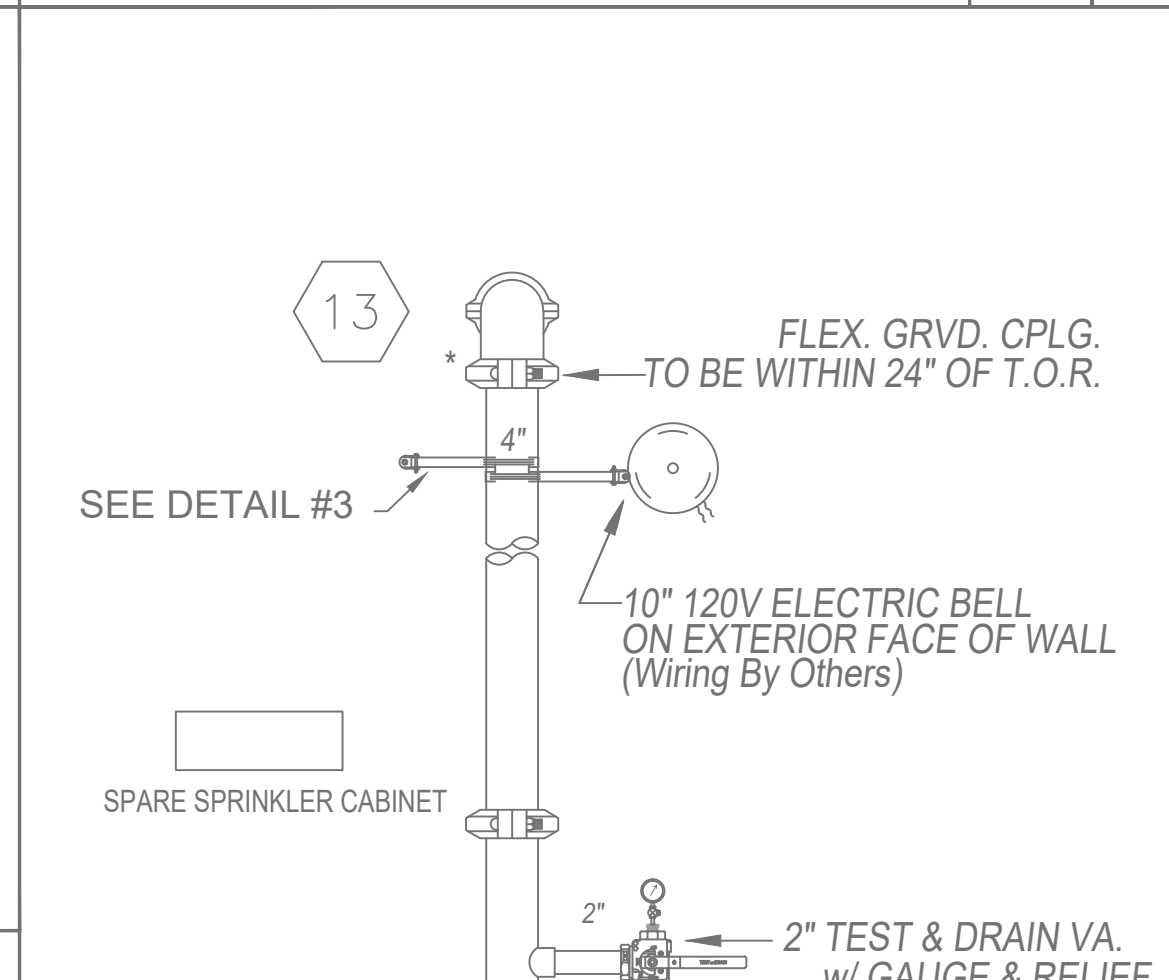
TYPICAL BRANCHLINE HANGER TO JOISTS NTS 11



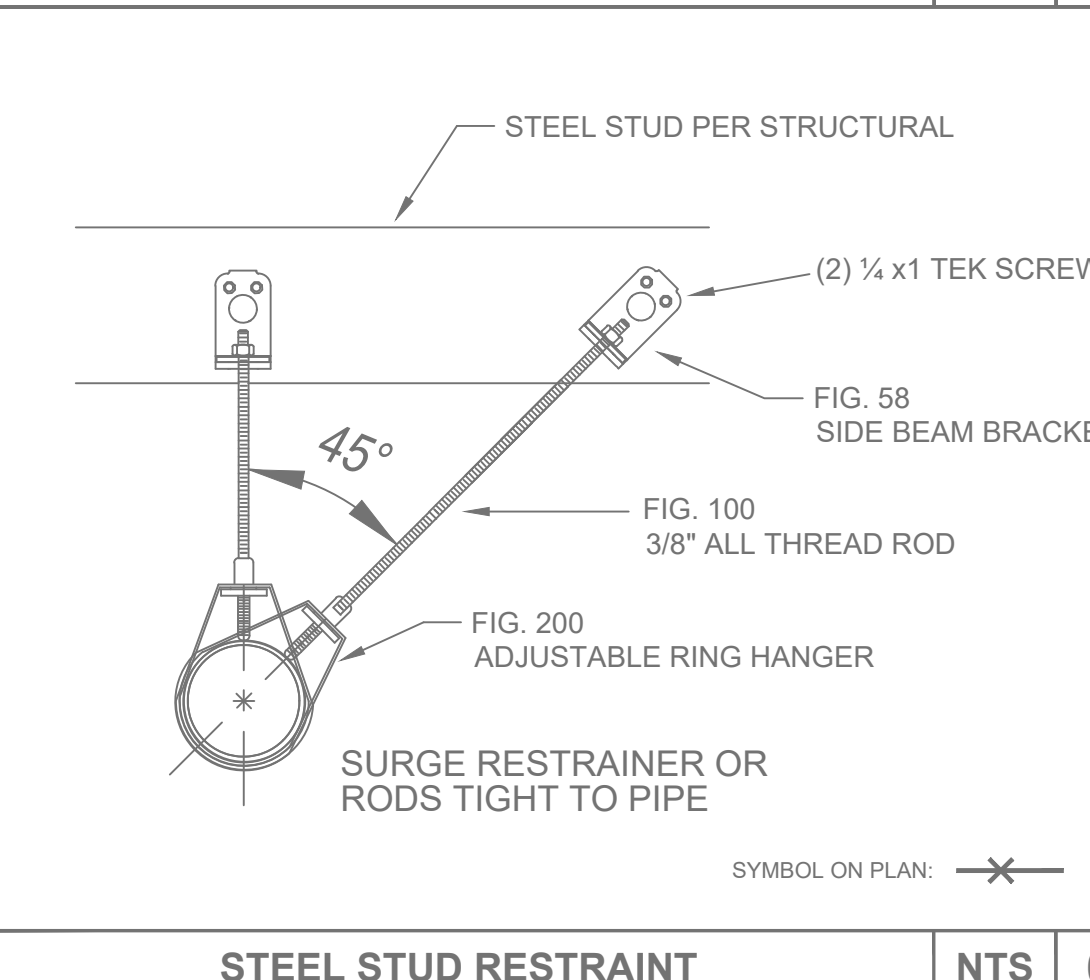
ARMOVER HANGER DETAIL NTS 15



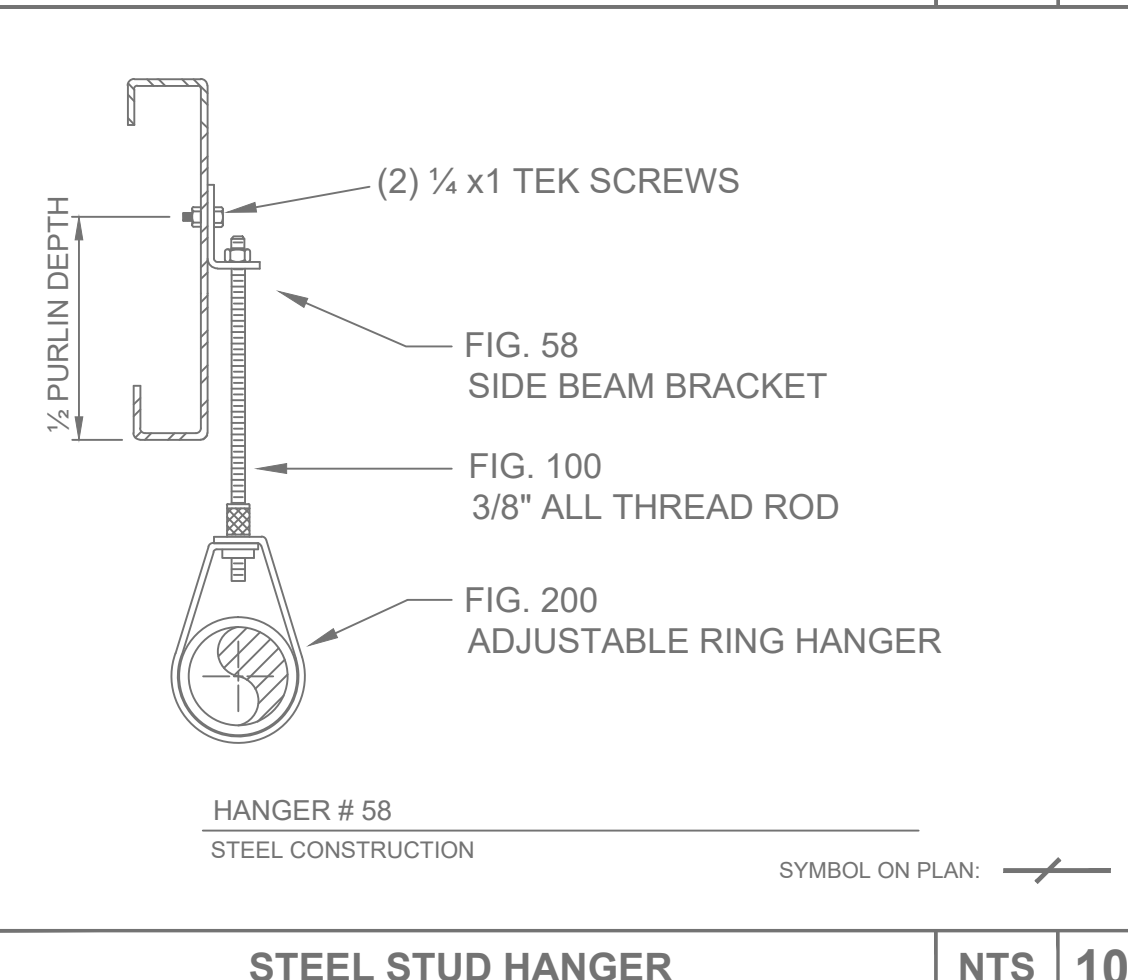
CENTER-OF-TILE DROP DETAIL NTS 19



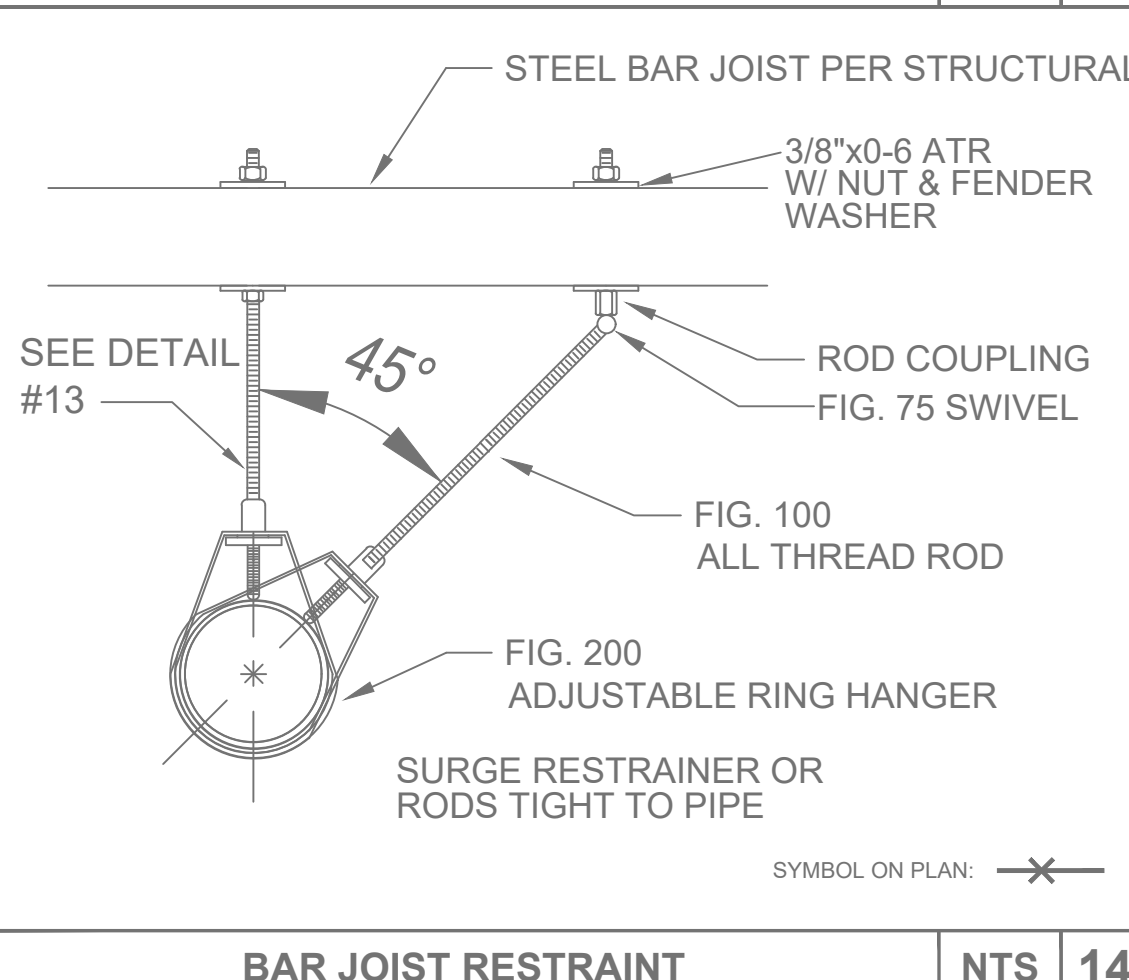
4-IN SYSTEM RISER DETAIL NTS 2



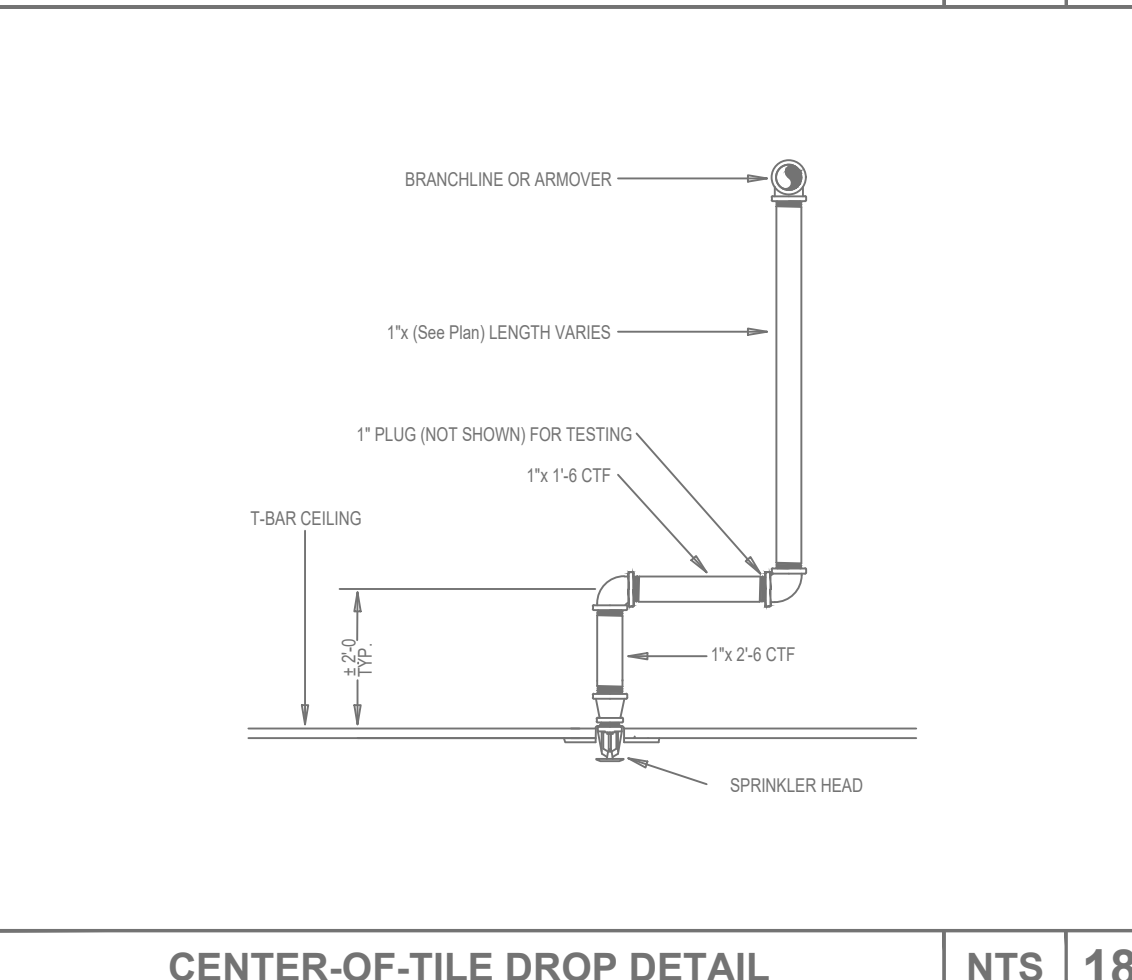
STEEL STUD RESTRAINT NTS 6



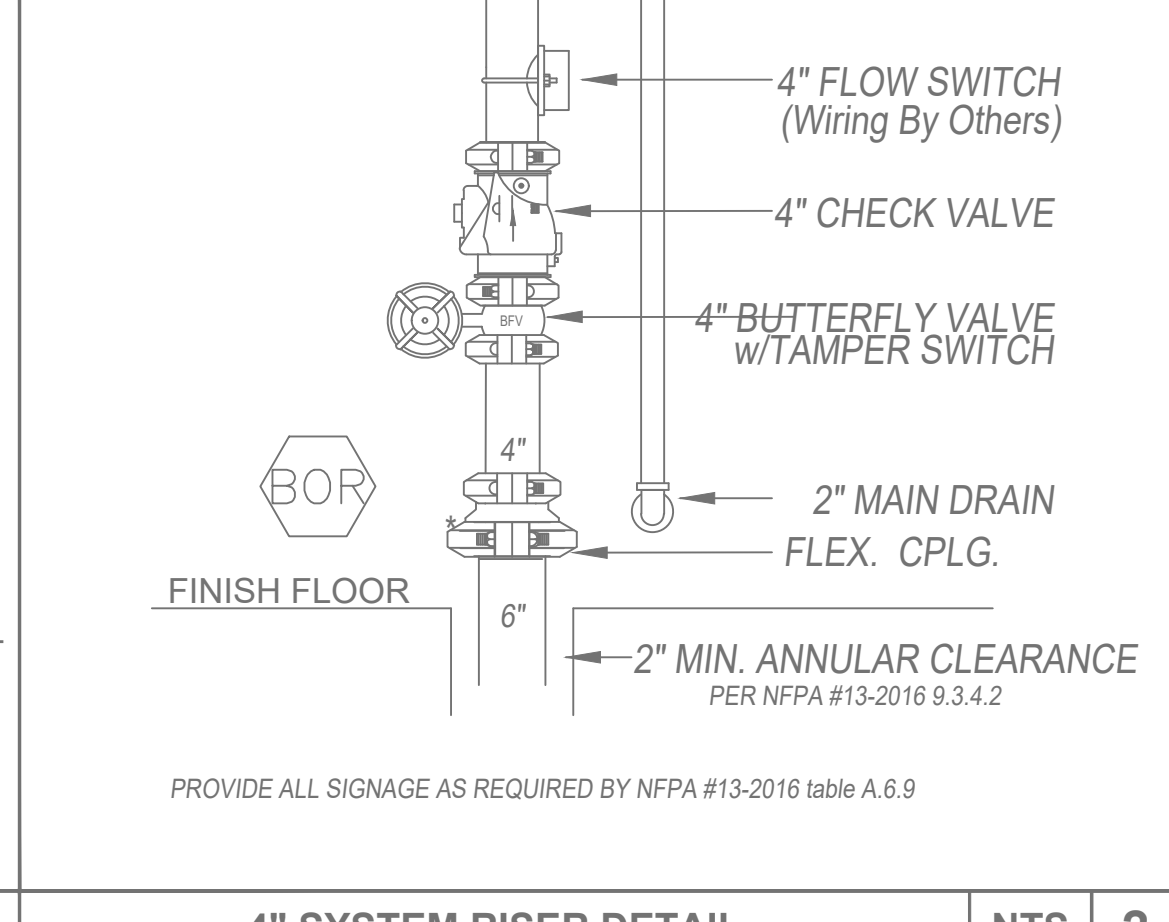
STEEL STUD HANGER NTS 10



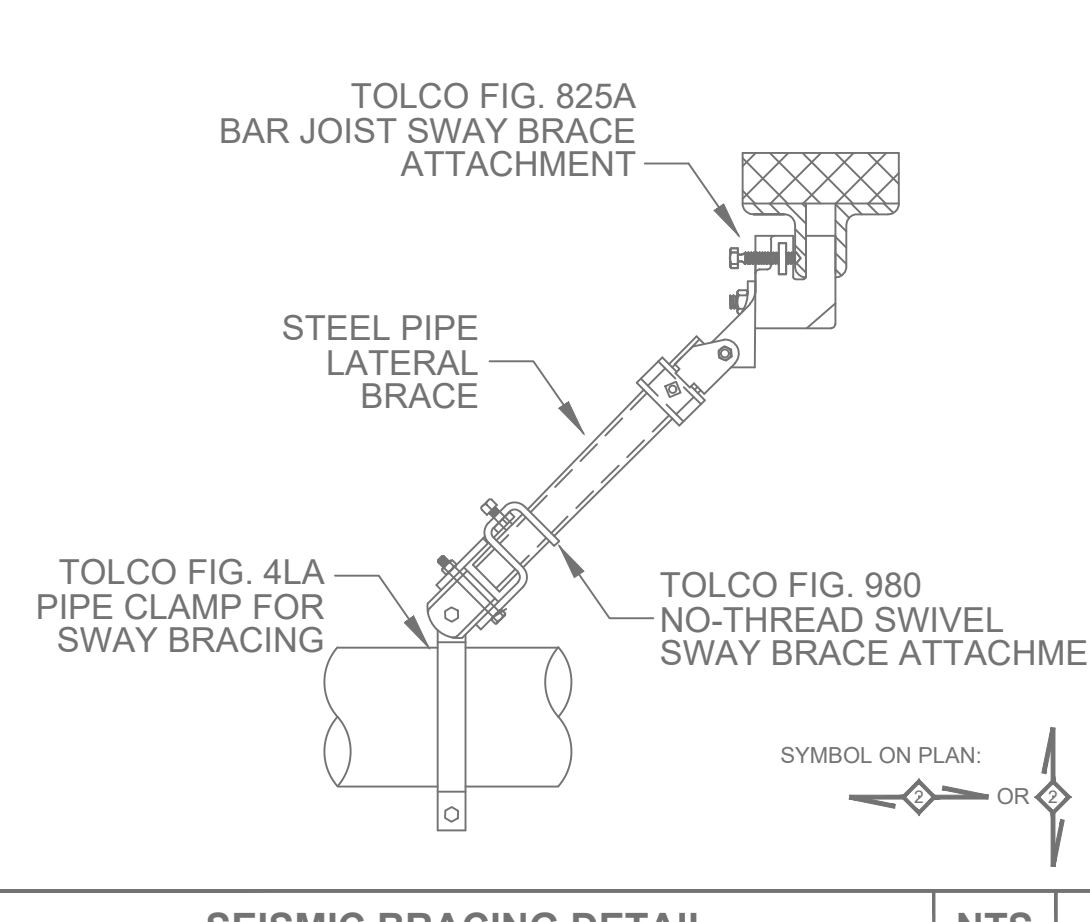
BAR JOIST RESTRAINT NTS 14



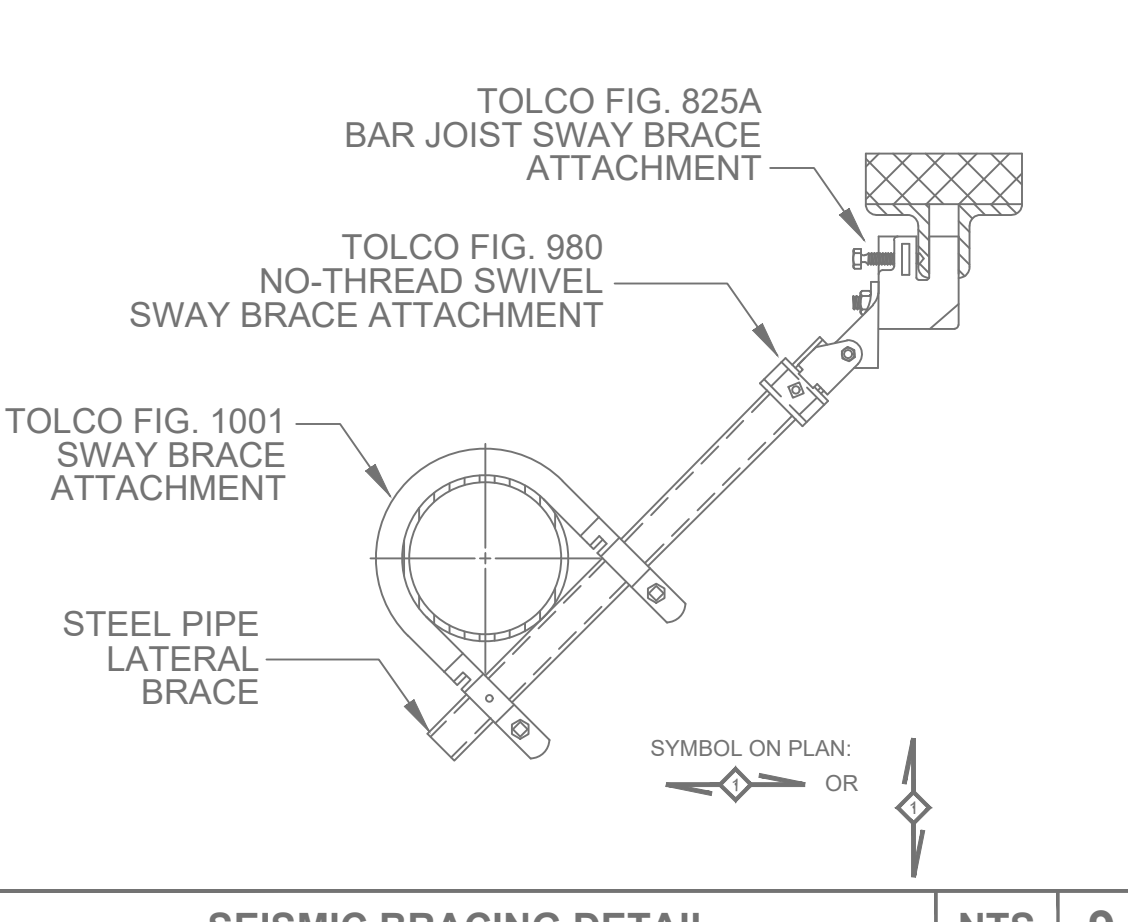
CENTER-OF-TILE DROP DETAIL NTS 18



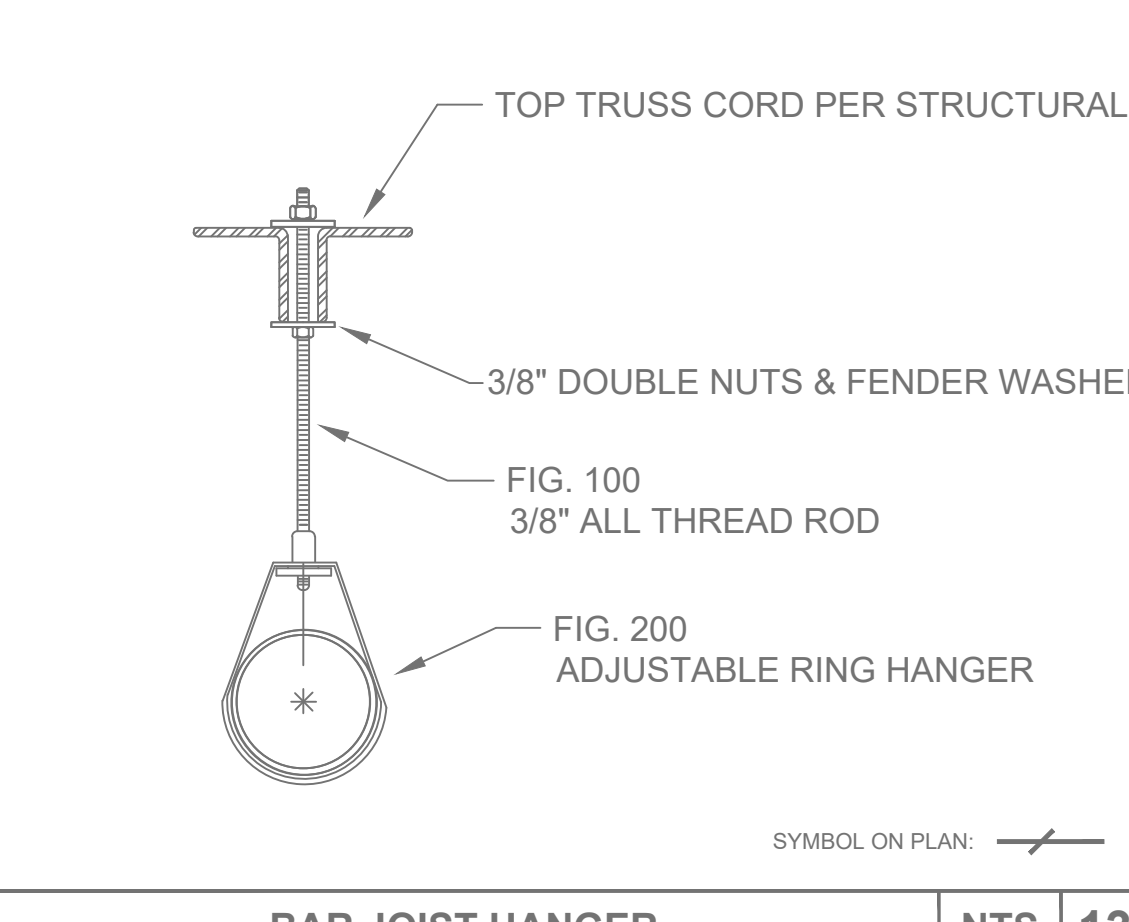
UNDERGROUND STUB UP DETAIL NTS 1



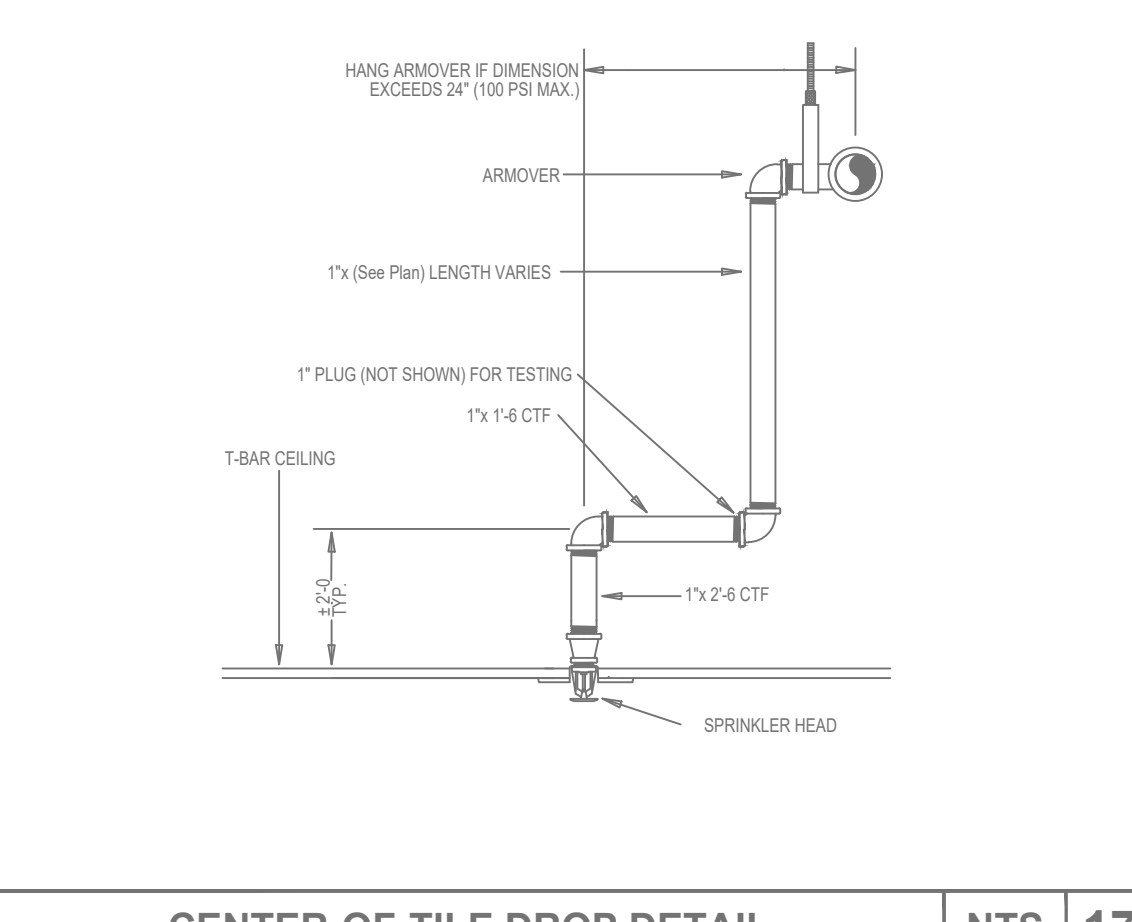
SEISMIC BRACING DETAIL NTS 5



SEISMIC BRACING DETAIL NTS 9



BAR JOIST HANGER NTS 13



CENTER-OF-TILE DROP DETAIL NTS 17

Table 9.3.5.9.3 Seismic Coefficient Table

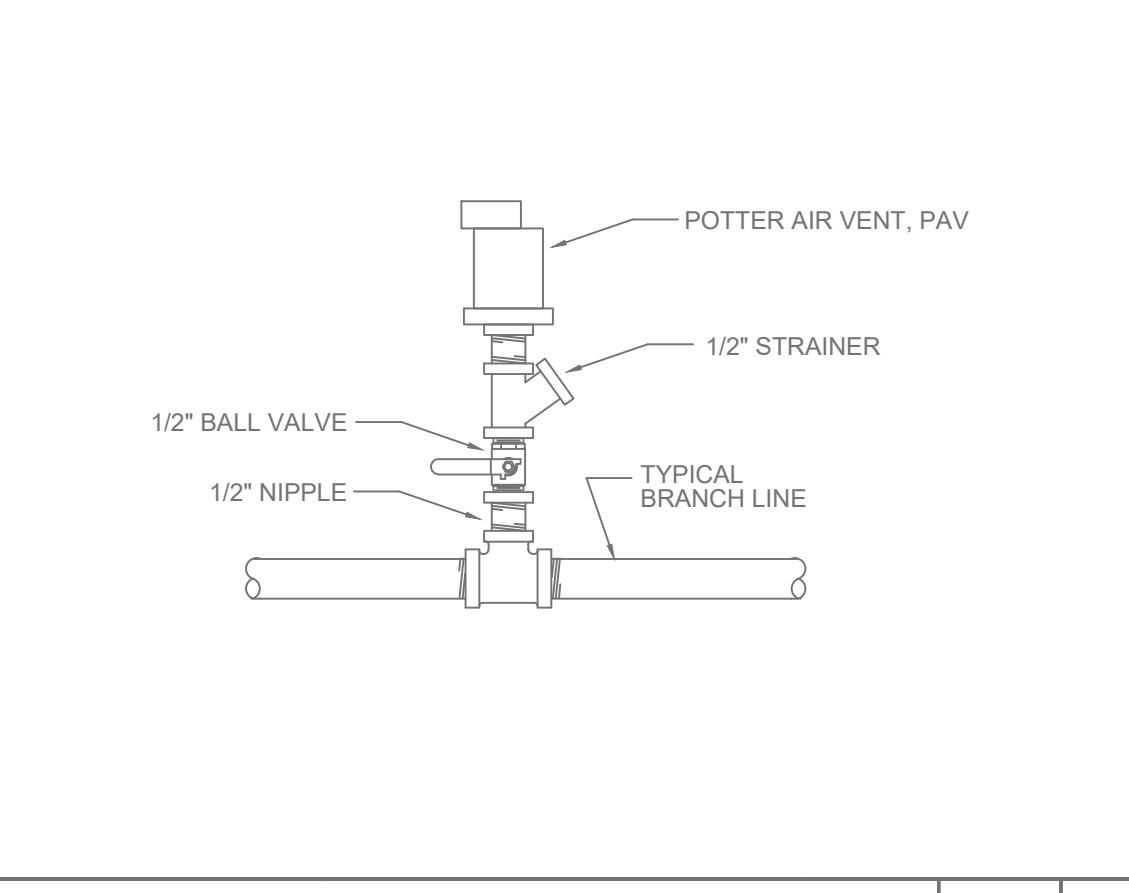
| Sr           | Cs   | Cv |
|--------------|------|----|
| 0.33 or less | 0.35 |    |
| 0.4          | 0.38 |    |
| 0.5          | 0.4  |    |
| 0.6          | 0.42 |    |
| 0.7          | 0.42 |    |
| 0.8          | 0.44 |    |
| 0.9          | 0.48 |    |
| 1.0          | 0.51 |    |
| 1.1          | 0.54 |    |
| 1.2          | 0.57 |    |
| 1.3          | 0.61 |    |
| 1.4          | 0.65 |    |
| 1.6          | 0.75 |    |
| 1.7          | 0.79 |    |
| 1.8          | 0.84 |    |
| 1.9          | 0.89 |    |
| 2            | 0.93 |    |
| 2.1          | 0.98 |    |
| 2.2          | 1.03 |    |
| 2.3          | 1.07 |    |

Table 9.3.6.4(a) Maximum Spacing (ft/in) of Steel Pipe Restraints

| Pipe (in.)      | Seismic Coefficient, Cs |
|-----------------|-------------------------|
| C ≤ 0.50        | 8.5 < Cs ≤ 0.71         |
| 0.5 < Cs ≤ 0.71 | 8.71 < Cs ≤ 1.00        |
| C ≥ 1.00        | 10.0                    |

Seismic Bracing Calculations

| Length of Brace | Seismic Bracing Attachments                               | Seismic Bracing Attachments                               |
|-----------------|---|---|
| ≤ 7'-0"         | Structural attachment using a tension-only bracing system | Structural attachment using a tension-only bracing system |
| > 7'-0"         | Structural attachment using a tension-only bracing system | Structural attachment using a tension-only bracing system |



AIR VENTING NTS 12

Table B MAXIMUM DISTANCE BETWEEN HANGERS, NFPA 9.2.2.1(a)

| 3/4" | 1"   | 1 1/4" | 1 1/2" | 2"   | 2 1/2" | 3"   | 3 1/2" | 4" |
|------|------|--------|--------|------|--------|------|--------|----|
| NA   | 12-0 | 12-0   | 12-0   | 12-0 | 12-0   | 12-0 | NA     | NA |

SEISMIC COEFFICIENT NTS 16

SEISMIC BRACING CALCULATIONS NTS 8

SEISMIC BRACING CALCULATIONS NTS 4

UNDERGROUND STUB UP DETAIL NTS 1

F:\Drawings\2021\21122.00\_OUSD - Orcutt Academy HS Multi-Use Room\Final\2022-03-08 Fire Pro\20220307 Orcutt Academy ES DSA FP V2 Sheets\OrcuttAcademySheets.dwg jameem Mar 08 2022 - 3:15pm

# DETAILS

## ORCUTT ACADEMY MULTI-USE ROOM BUILDING

### HYDRAULIC SYSTEM

This building is protected by a  
Hydraulically Designed Sprinkler System

|  |   |                     |     |      |
|--|---|---------------------|-----|------|
| Date Installed   | T B D   | MONTH               | DAY | YEAR |
| Location   | Orcutt Academy HS MPB, Orcutt, Ca.                        |                     |     |      |
| <b>Basis of Design</b>   |   |                     |     |      |
| Density  | 20  | gpm/ft <sup>2</sup> |     |      |
| Designed area of discharge   | 1652  | ft <sup>2</sup>     |     |      |
| <b>System Demand</b>   |   |                     |     |      |
| Types of sprinklers/nozzles  | Victaulic<br>5.6K, 155", PENDENT<br>V3801, QUICK RESPONSE |                     |     |      |
| (k-factor, temp, oration, orifice size, SIN, and response time)  |   |                     |     |      |
| 125 SQ.FT per sprinkler  |   |                     |     |      |
| Sprinkler water flow   | 340.8   | gpm                 |     |      |
| Min. discharge flow rate and pressure from the hydraulic most demanding sprinkler                          | 22.5 gpm  | 16.1 psi            |     |      |
| For deluge systems, the required flow and pressure at the hydraulically most demanding sprinkler or nozzle | NA  | gpm                 |     |      |
| Hose stream allowance  | 250   | gpm                 |     |      |
| Residual pressure at the base of riser   | 35.1  | psi                 |     |      |
| Required flow and pressure at the base of riser  | 340.8 gpm   | 35.1 psi            |     |      |
| Required pressure for reducing valves  | NA  |                     |     |      |
| Required flow and pressure of the system at the water supply   | 590.8 gpm   | 41.99 psi           |     |      |
| Required flow and pressure of the system at the discharge side of the fire pump                            | NA  |                     |     |      |
| Occupancy/Commodity classification   | ORD HAZ GRP 2   |                     |     |      |
| NFA storage height   | N/A   |                     |     |      |
| NFPA edition to which the system was designed and installed  | 2016  |                     |     |      |

NOTE: FOR PIPE PENETRATION DETAILS, SEE FP401 C-AJ-1552 AND W-L-1296

|                                       |   |
|---------------------------------------|---|
| Project Name:                         | Orcutt School Number Job Number                         |
| Location:                             | 610 Pinal Ave, Orcutt, California                       |
| Drawing Number                        | 2111092   |
| Date                                  | 1/26/2021   |
| Remote Area Number                    | 1   |
| Remote Area Location                  | MPR   |
| Occupancy Classification              | Ordinary Hazard II                                      |
| Required Density                      | 0.20 GPM/FT <sup>2</sup>                                |
| Average Density                       | 0.21 GPM/FT <sup>2</sup>                                |
| Area of Application                   | 1652.2 FT <sup>2</sup>                                  |
| Average Coverage per Sprinkler        | 110.1 FT <sup>2</sup>                                   |
| Type of Sprinklers Calculated         | Victaulic V27 SS Upright(5.6K)                          |
| Number of Sprinklers Calculated       | 15  |
| Hose Streams                          | 250 GPM   |
| Flow & Pressure at Base of Riser      | 340.8 GPM @ 35.1 PSI                                    |
| Total Water Required (Including Hose) | 590.8 GPM at 41.99psi (24.59psi / 36.94% Safety Margin) |
| Type of System                        | Wet Pipe  |
| Water Supply                          | 69 . 20 @ 3000  |
| Water Supply Date                     | 08/05/2021  |
| Water Supply Test Location:           | Hydrant located at 805 Pinal Avenue                     |
| Water Supply Source:                  | Golden State Water Company                              |
| Contractor:                           | PFC   |
| Address:                              | 3940 Broad Street #7438 San Luis Obispo, Ca. 93401      |
| Phone:                                | 805-696-2893  |
| Designer:                             | Ken Gould   |
| Authority having Jurisdiction:        | DSA   |

| QTY. | SYM.                          | FINISH | MAKE/MODEL | ORIENTATION | SI #  | K FACTOR | TEMP | RESPONSE | CANOPY | CANOPY FINISH |
|------|-------------------------------|--------|------------|-------------|-------|----------|------|----------|--------|---------------|
| 90   | ○                             | BRASS  | VICTAULIC  | UPRIGHT     | V2704 | 5.6      | 200° | QR       | NONE   | N/A           |
| 46   | ●                             | WHITE  | VICTAULIC  | PENDENT     | V2708 | 5.6      | 155° | QR       | REC    | WHITE         |
| 136  | TOTAL SPRINKLERS THIS PROJECT |        |            |             |       |          |      |          |        |               |



- CONSULTANTS**
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STANTEC CONSULTING SERVICES INC.  
111 East Victoria Street  
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  - LANDSCAPE ARCHITECT  
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TEL (805) 541-4509
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3562 Empleo, Suite C  
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San Luis Obispo, CA 93401  
TEL (805) 544-42-69

REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| A   | 05-19-2022 | ADDENDUM A  |

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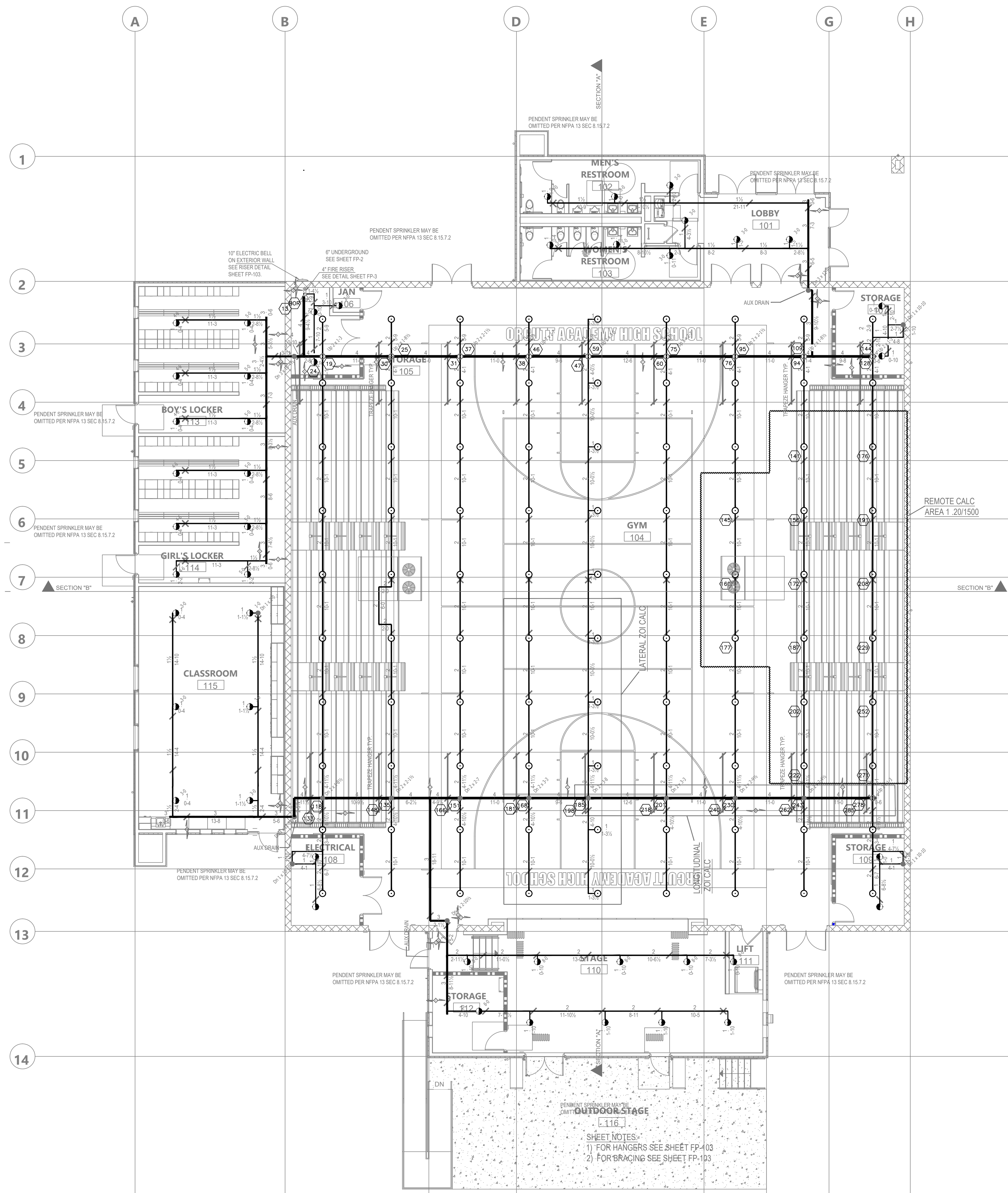
PROJECT OWNER & TITLE  
**ORCUTT UNION SCHOOL DISTRICT**  
**ORCUTT ACADEMY HS MUR BUILDING**  
ORCUTT ACADEMY HIGH SCHOOL  
ORCUTT, CA 93455

SHEET TITLE  
**PIPING FLOOR PLAN**

DRAWN BY: KG JOB NUMBER: 20179-01

SHEET NO.  
**FP201**

DATE: MARCH 2, 2022

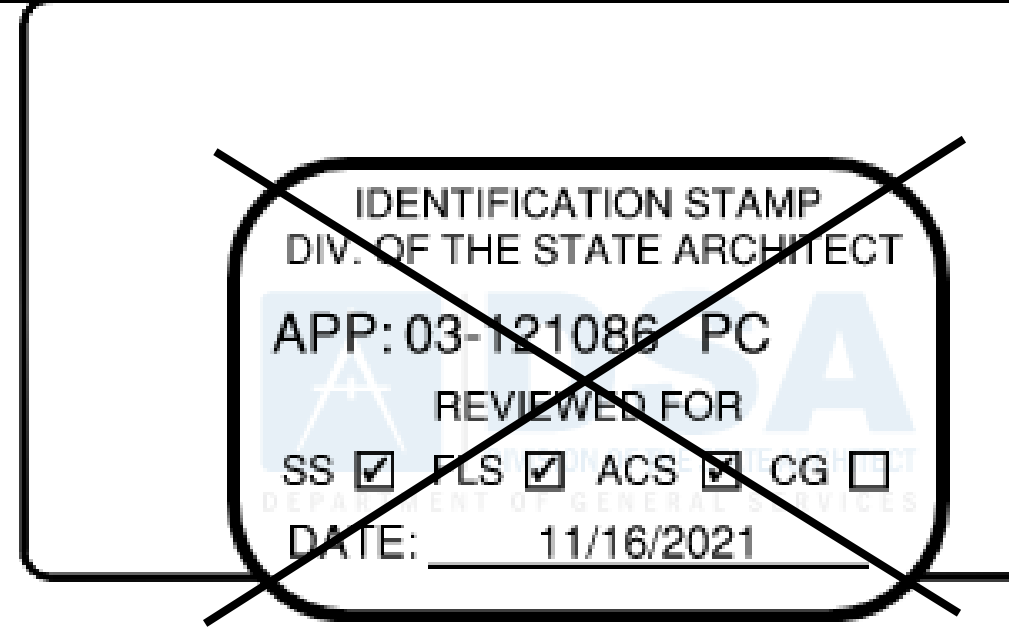
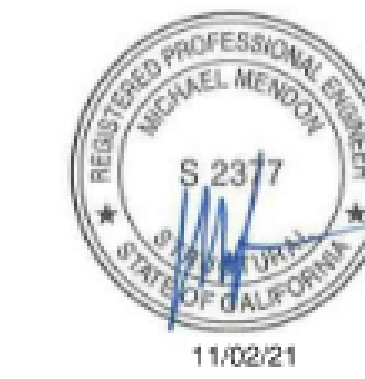


PIPING FLOOR PLAN  
1/8" = 1'-0"

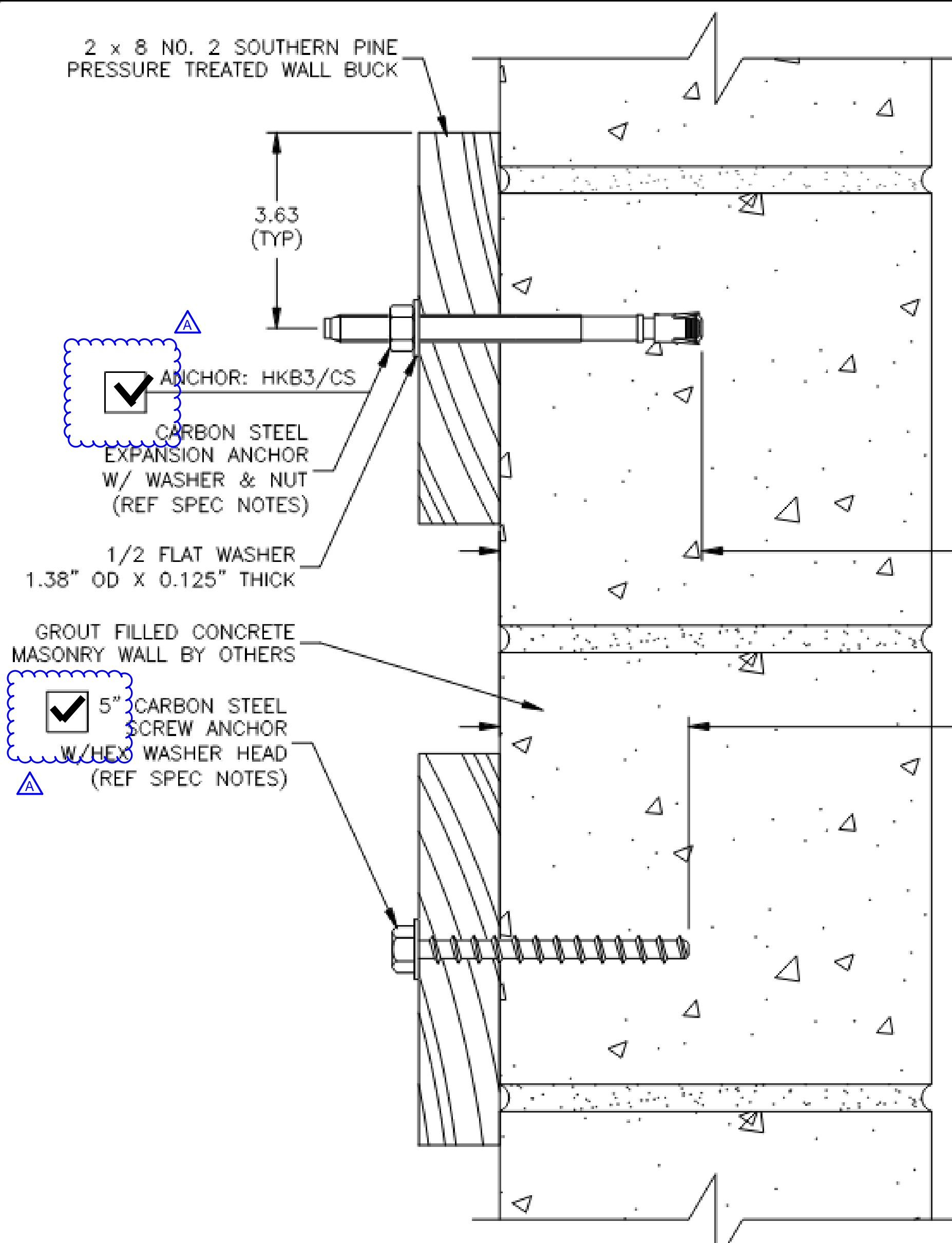
# PIPING FLOOR PLAN

## ORCUTT ACADEMY MULTI-USE ROOM BUILDING

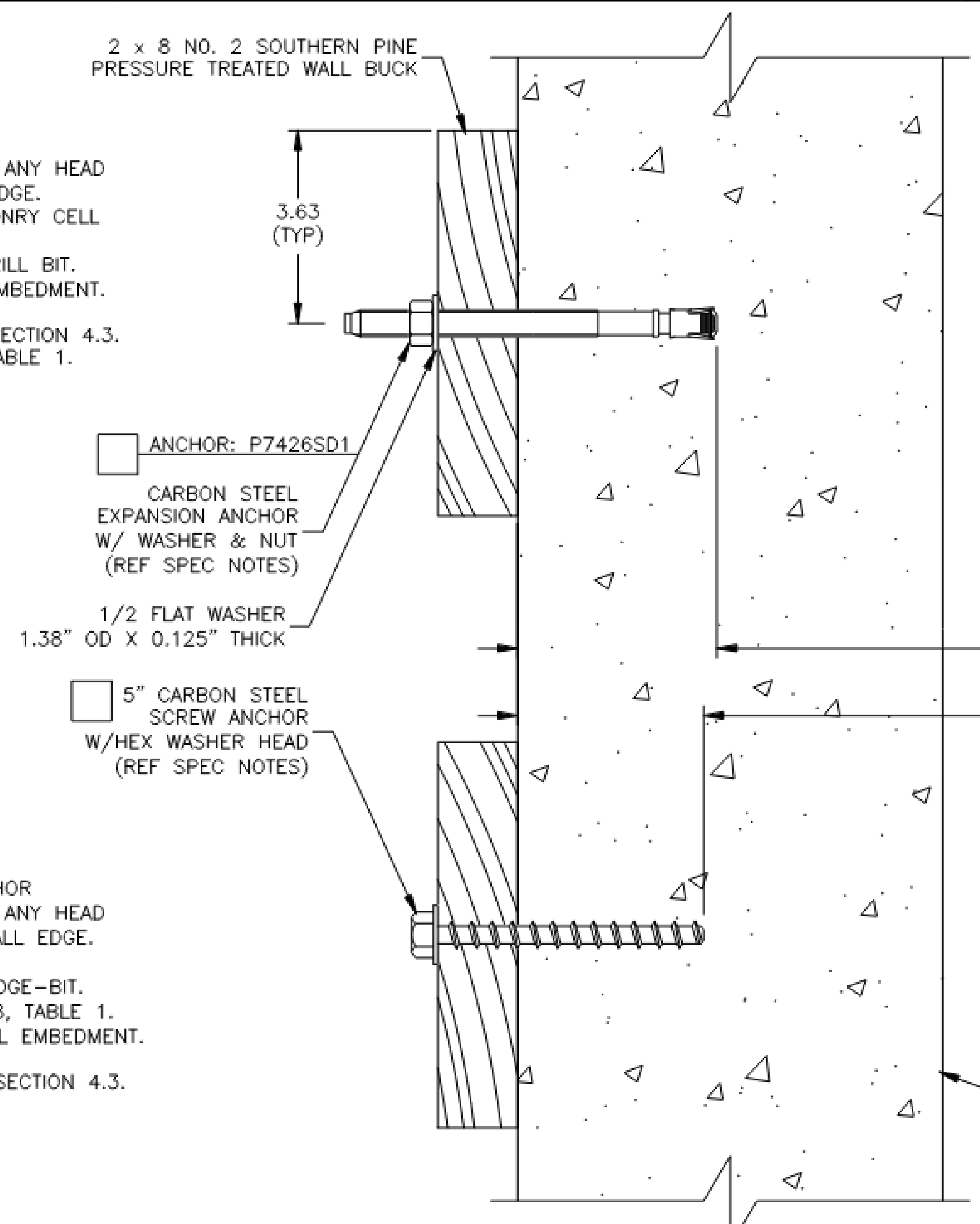
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TEL (805) 544-42-69



- CMU EXPANSION ANCHOR NOTES (ICC ESR-1385):**
- 1/2" x 7" HILTI LONG THREAD CARBON STEEL KWIK BOLT 3 EXPANSION ANCHOR PER ESR-1385.
  - ANCHOR SHALL NOT BE PLACED WITHIN 1 3/8" OF ANY HEAD (VERTICAL) MORTAR JOINT OR WITHIN 4" OF WALL EDGE.
  - ANCHOR LOCATIONS ARE LIMITED TO ONE PER MASONRY CELL WITH A MINIMUM OF 8" ON CENTER.
  - DRILL 1/2" HOLE USING CARBIDE TIP MASONRY DRILL BIT. DRILL HOLE TO 1/4" GREATER THAN PRESCRIBED EMBEDMENT. CLEAN HOLE OF ALL DUST AND DEBRIS.
  - SPECIAL INSPECTION IS REQUIRED PER ESR-1385 SECTION 4.3.
  - TORQUE ANCHOR TO 25 FT-LBS PER ESR-1385, TABLE 1.



- CONCRETE EXPANSION ANCHOR NOTES (ICC ESR-2818):**
- 1/2" x 7" POWERS CARBON STEEL POWER-STUD AND SD1 WEDGE ANCHOR PER ESR-2818.
  - MINIMUM EDGE DISTANCE OF 4" PER ESR-2818, TABLE 1.
  - MINIMUM ANCHOR SPACING OF 5" PER ESR-2818, TABLE 1.
  - DRILL 1/2" HOLE, USING A CARBIDE TIP MASONRY DRILL BIT. DRILL HOLE TO 1/4" GREATER THAN PRESCRIBED EMBEDMENT. CLEAN HOLE OF ALL DUST AND DEBRIS.
  - SPECIAL INSPECTION IS REQUIRED PER ESR-2818, SECTION 4.4.
  - TORQUE ANCHOR TO 40 FT-LBS PER ESR-2818, TABLE 1.

- CONCRETE SCREW ANCHOR NOTES (ICC ESR-3889):**
- 3/8" x 5" DEWALT SCREW-BOLT AND SCREW ANCHOR
  - MINIMUM EDGE DISTANCE OF 1 1/2" PER ESR-2818, TABLE 1.
  - MINIMUM ANCHOR SPACING OF 3" PER ESR-2818, TABLE 1.
  - DRILL A 3/8" HOLE, USING A DEWALT APPROVED WEDGE-BIT. MINIMUM NOMINAL EMBEDMENT OF 2" PER ESR-2818, TABLE 1.
  - HOLE DEPTH MUST BE 1/2" GREATER THAN NOMINAL EMBEDMENT.
  - CLEAN HOLE OF ALL DUST AND DEBRIS.
  - SPECIAL INSPECTION IS REQUIRED PER ESR-2818, SECTION 4.4.

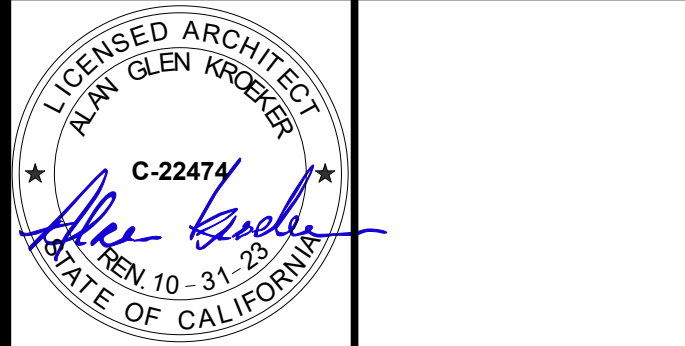
**A** WALL BUCK ANCHOR (MASONRY CONNECTION) D9B

ICC ESR REFERENCED ABOVE HAS BEEN VERIFIED TO BE VALID AT THE TIME OF THIS DSA APPLICATION

**B** WALL BUCK ANCHOR (CONCRETE CONNECTION) D9B

ICC ESR REFERENCED ABOVE HAS BEEN VERIFIED TO BE VALID AT THE TIME OF THIS DSA APPLICATION

ARCHITECT STAMP CONSULTANT STAMP



REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| A   | 05-18-2022 | ADDENDUM A  |

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PROJECT OWNER & TITLE  
**ORCUTT UNION SCHOOL DISTRICT**  
500 Dyer Street  
Orcutt, CA 93455

**ORCUTT ACADEMY HS MUR BUILDING**  
610 Pinal Avenue  
Orcutt, CA 93455

SHEET TITLE  
**WALL BUCK ATTACHMENT DETAIL**

DRAWN BY: Author JOB NUMBER: 20179.01

SHEET NO.

**D9B**

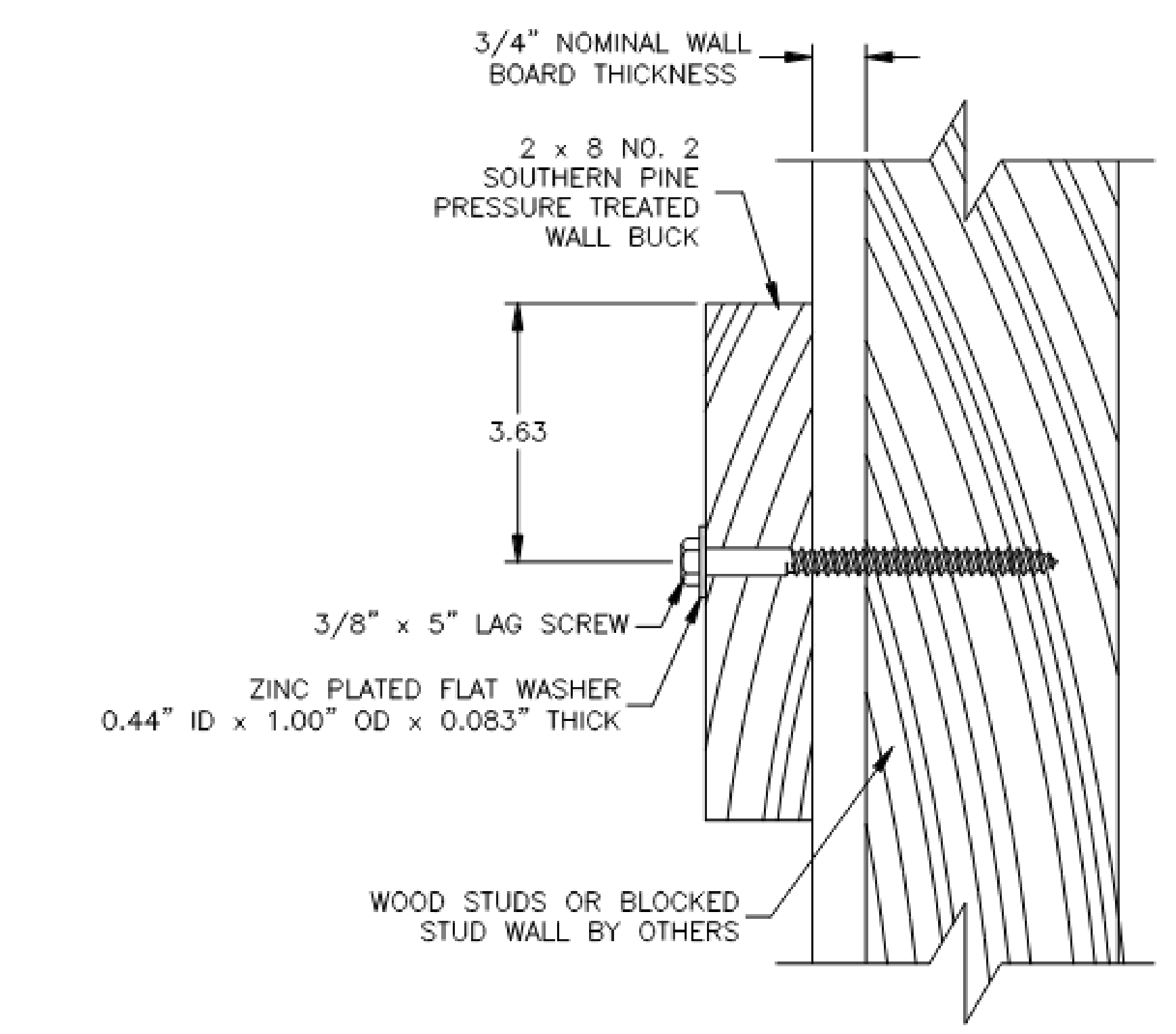
DATE: MARCH 23, 2022

**PRE-CHECK (PC) DOCUMENT**  
Code: 149 CBC  
A separate project application for construction is required.

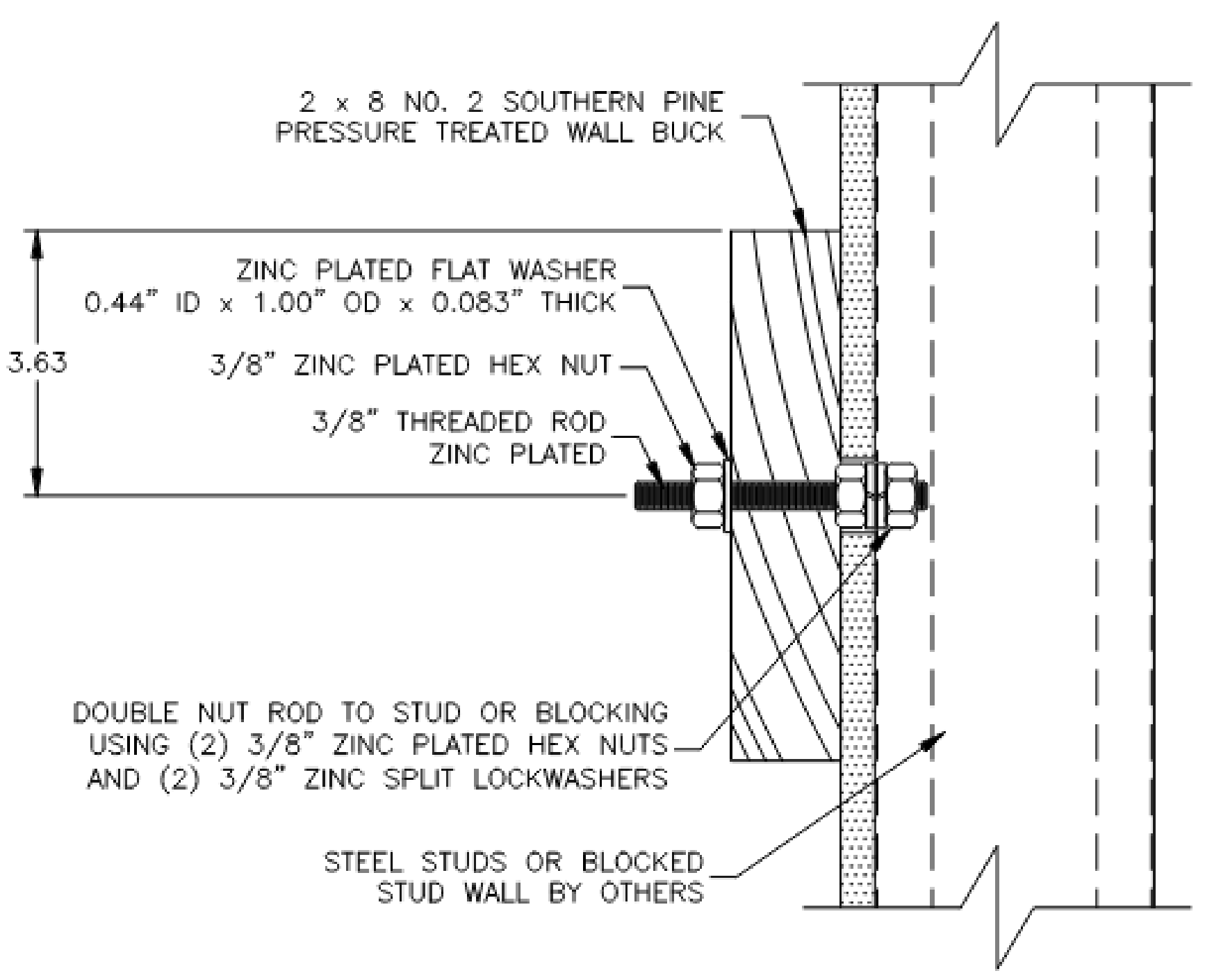
**HUSSEY** husseyseating  
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**WALL BUCK ATTACHMENT DETAILS**

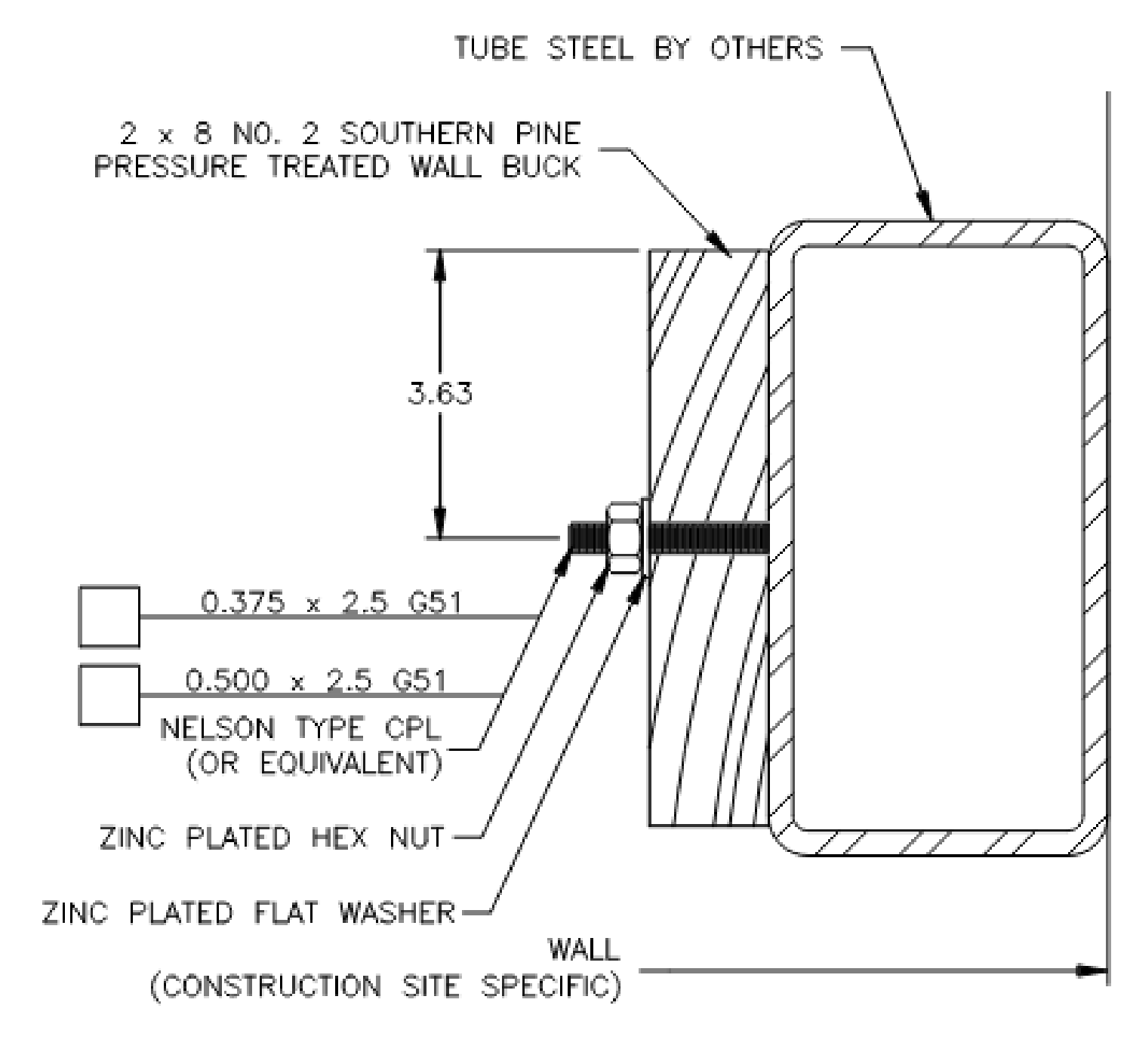
DRAWN BY: ABARTLETT DATE: 9/14/2020  
CHKD BY: KWC DATE: 10/22/2020  
CAD NO. D9\_2019 JOB NO. DRAWING NO. D9B



**C** WALL BUCK ANCHOR (WOOD STUD/BLOCKING CONNECTION) D9B



**D** WALL BUCK CONNECTION (STEEL STUD/BLOCKING CONNECTION) D9B



**E** WALL BUCK CONNECTION (TUBE STEEL CONNECTION) D9B

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