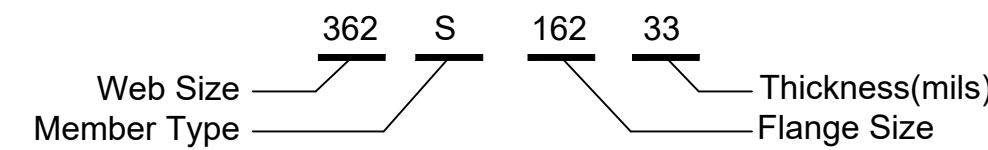


IQHQ - Block 2A

San Diego, California

1.00 PRODUCT IDENTIFICATION

- 1.01 The American Iron and Steel Institute standards are used in this package. Any manufacturer whose product geometries meets or exceed AISI standards and who is part of a code compliance program that includes third party physical audits is acceptable to comply with the design intent. Manufacturers who are currently approved in a compliance program can be found at www.archtest.com/certification.



- 1.02 The last two numbers indicate the steel thickness:

Gage	Design	Minimum	AISI	Color Coding
20	0.0346"	0.0329"	33 mils	White
18	0.0451"	0.0428"	43 mils	Yellow
16	0.0566"	0.0538"	54 mils	Green
14	0.0713"	0.0677"	68 mils	Orange
12	0.1017"	0.0966"	97 mils	Red

- 1.03 Basis of Design Material for this project by:



2.00 STUD FRAMING

- 2.01 All field cutting of studs must be done by sawing, shearing, or plasma cutting. Other torch cutting methods of cold-formed members are unacceptable.
- 2.02 No notching or coping of studs is allowed, unless detailed within this drawing package.
- 2.03 Splicing of wall studs is not allowed, unless otherwise detailed within this drawing package.
- 2.04 Framing fabricator is to ensure punch out alignment when assembling lateral bracing and field cutting studs to length. Lateral bracing must be installed at the time the wall is erected. Failure to install bracing at this time may compromise the structural integrity of the building.
- 2.05 Design assumes condition to be in final location and stabilized. Temporary bracing (by others) or other means of stabilization may be required until framing is in its stable and final condition.
- 2.06 Spandrel wall studs framing above a window, and having connections to the top and bottom of the same beam, or having a single connection to a beam, and a kicker to another structural element, may require slip connections at the head of the window. In such situations, the engineer of record shall verify that the window system is designed accordingly.
- 2.07 Use minimum of two studs at the corner of all walls addressed in this submittal unless noted otherwise in the contract documents or this drawing package.
- 2.08 Use minimum of three studs at the intersection of all load bearing walls (exterior/or interior) unless noted otherwise in the contract documents or this drawing package.
- 2.09 Joist or roof member must bear directly over stud. If not, a structural distribution member (designed accordingly) is required on top of runner track for proper bearing and anchorage.
- 2.10 Studs from floor above must bear directly over studs or joists. If not, a structural distribution member (designed accordingly) is required on top of joist for proper bearing.
- 2.11 All headers/built-up beams are to be constructed with UNPUNCHED material only.
- 2.12 Splicing of headers is not allowed, unless otherwise detailed within this drawing package.
- 2.13 If additional holes are required in the metal studs or joists, contact a licensed professional engineer for guidance before cutting holes.
- 2.14 Per the AISI Standard for Cold-Formed Framing - Wall Design, the maximum allowable gap (measured between the web of the stud and the web of the track) for a stud seated in a track is 1/4" for non-axial load bearing conditions and 1/8" for axial load bearing conditions (U.N.O.). Pressure should be applied to nest the studs into the tracks until the tolerances listed above are achieved. Failure to do so could result in serviceability problems in the future.

4.00 SUBMITTAL

- 4.01 This drawing package is being submitted for approval only. Any materials ordered or constructed based on this drawing package prior to final approval from the Architect and Engineer of Record is at the risk of the Framing Contractor. Framing Contractor is advised to obtain final approved drawing package prior to ordering material and/or construction. ClarkDietrich Engineering Design Inc. (CDED) is not responsible for Framing Contractor proceeding without a final approved drawing package.
- 4.02 Drawings submitted without an engineers signature and seal are preliminary and for review only. Preliminary drawings should not be submitted for approval. It is intended that the preliminary drawing be reviewed by the Framing Contractor and returned with comments prior to finalizing a signed and sealed approval drawing package for approval. If an unsigned and sealed drawing package is mistakenly submitted for approval, please notify CDED.
- 4.03 For all conditions listed herein and/or required for this project, it is the General Contractor's, Architect's, and Engineer of Record's responsibility to mark drawings according to actual design requirements, coordination with other Work, and differing field conditions that exist at time of initial creation of this drawings package.
- 4.04 The contents of this shop drawing submittal show the intended application of cold formed components and the connections of these components to each other and to the primary structure. The construction methodology chosen, field framed or shop fabricated, is a decision that is made by others and not by CDED. If the option for shop fabrication or panelization should be chosen as the construction methodology, any and all drawings related to fabrication of such panels should be considered as a separate submittal from this shop drawing package.

5.00 CONNECTIONS

- 5.01 All screw connections are based on NASPEC section E4, which outlines the AISI specification provisions for screw connections.
- 5.02 For screws, the distance between the centers of fasteners shall not be less than 3.0 x Screw Diameter. The distance from the center of a fastener to the edge or end of any part shall not be less than 1.5 x Screw Diameter.
- 5.03 If required, all welded connections are to be performed in accordance with the latest version of AWS D1.3 specifications for Welding Sheet Steel in Structures. Consult AWS D19.0 Welding Zinc Coated Steel and ANSI standard Z49.1 for information regarding safe welding procedures.
- 5.04 Suggested weld metal and process for shop welding are 60 ksi weld metal strength (min., u.n.o.). Suggested methods for field welding are 1/8" (u.n.o.) E60xx (min., u.n.o.) electrode-SMAW, or "gasless" MIG. Minimum weld throat thickness (t) must match or exceed the base steel thickness of the thinnest connected part unless noted otherwise.
- 5.05 In welding, the zinc coating on steel framing will be burned away; therefore, a zinc rich paint must be applied to the weld area to provide corrosion resistance.
- 5.06 Any substitution of fasteners with equivalent properties (head/shank diameter, load carrying capacities, edge distances, fastener spacing, etc.) must be submitted to CDED for review and approval prior to installation.
- 5.07 It is the responsibility of others to verify that fasteners are installed according to manufacturer's instructions. It is also the responsibility of others to verify and ensure the quality of fastener connections.
- 5.08 Drift connection necessity to allow for primary structure movement is the responsibility of the Engineer of Record. If the contract documents do not indicate this requirement, this drawing package will not include drift connections.
- 5.09 All powder actuated fasteners (PAF) shall be those as manufactured and tested by HILTI or equal. The following minimum edge distances and fastener spacings apply:

Pin Diameter	Min. Edge Distance		Min. Spacing		Penetration		ICC Report Number
	Steel	Concrete	Steel	Concrete	Steel	Concrete	
0.157"Ø	1/2"	3"	1"	4"	Full	Varies	ESR-2269

Specify the following fastener types when ordering:

PAF Diameter	Attachment to Structural Steel	Attachment to Concrete
0.157"Ø	X-U	X-U

6.00 GENERAL

- 6.01 Design performed in accordance with the AISI "Specification for the Design of Cold Formed Steel Structural Members".
- 6.02 The latest edition of the American Iron and Steel Institute "Code of Standard Practice for Cold-Formed Steel Structural Framing" shall be used as the reference of standard practices.
- 6.03 Dimensions shown in this shop drawing package are for design reference only. Contract Drawings should be used in determining exact distances and all conditions should be field verified before erection. Plan view layout and/or Elevation in this drawing package are for general conformance only. Framing Contractor is directed to the Contract Drawings for specific section callouts, façade requirements, and any other details not shown herein. ClarkDietrich Engineering Design Inc. (CDED) is not responsible for additional requirements or similar section references that conflict with the Contract Drawings.
- 6.04 CDED does not assume any responsibility for the adequacy of the primary structure and foundation design.
- 6.05 Contents of this drawing package show the intended application of cold-formed components. Framing Contractor is to refer to the project contract documents for additional construction assembly requirements.
- 6.06 All connections shall be complete as per the plans and specifications at the time of installation. Failure to promptly complete connections may compromise the structural integrity of the building.
- 6.07 Unless noted otherwise, gravity load of brick over windows is assumed to be supported by others. The cold-formed framing is not designed to support these loads.
- 6.08 Precautions must be taken to avoid construction loads exceeding design live loads. Construction loads have not been considered in these recommendations.
- 6.09 Unless noted otherwise in this drawing package, CDED interprets all concrete and roof edge angles to be structural with a minimum thickness of 0.25". Fastener and connection performance is based on this interpretation.
- 6.10 CDED interprets all concrete to be at least 3000 psi, unless noted otherwise in this drawing package or in the accompanying calculation set.
- 6.11 CDED interprets specifications that have a requirement for a specialty engineer to provide shop drawings that include signed and sealed calculations and drawings by a Professional Engineer, to mean that the Architect and EOR are giving CDED design responsibility for the cold-formed metal framing. Should the Architect and/or EOR mark-up CDED's design in a manner that is not consistent with given design limitations, standards, and/or CDED's recommendations, then CDED is released from design responsibility and liability for this project.
- 6.12 Framing design assumes all cladding is uniformly laterally attached to each framing member and is limited to a uniform distribution of load to the framing member. The design does not include review of the effects of local forces resulting from the attachment of any cladding (brick ties, attachment clips, etc.).
- 6.13 All window and door units are assumed to apply load to the surrounding metal framing uniformly unless information is provided that details a different load application.
- 6.14 Conflicting or missing information on the Contract Drawings will be noted in this drawing package for clarification during the review and approval process. Any information that is not noted herein as conflicting or missing does not relieve all reviewing parties from providing such information. CDED is not responsible to note all conflicting or missing information and does not purport to have included all conditions that are in conflict or missing in this drawing package. The Framing Contractor is advised to completely review the Contract Drawings and compare to this drawing package for conflicting and/or missing information prior to ordering material and/or construction.
- 6.15 For specific requirements and warranty information on systems or materials connected and appurtenant to the cold-formed framing including but not limited to windows, caulking and flashing, refer to manufacturer's data. The integrity of the building envelope, including but not limited to siding, flashing, fasteners, etc, to prevent water penetration and or damage, is not the responsibility of CDED. CDED assumes no responsibility for the proper construction and/or function of the total architectural assembly.
- 6.16 Calculations and shop drawings included in this technical recommendation do not take into consideration the overall lateral stability of the structure. It is the responsibility of others to design the shearwalls, diaphragm, and all relevant connections to complete the building load path.

DESIGN CRITERIA

ARCH./E.O.R. PLEASE VERIFY ALL DESIGN CRITERIA.

Location: San Diego, CA
Design Based on: CBC 2016
Building Risk Category: III

Wind Load: Components and Cladding

Basic Wind Speed (V) = 103 mph
Exposure = D
Mean Roof Height (h) = 77'-0"
Least Building Width (Wb) = 154'-4"
Corner Zone Distance (a) = 15'-6"

Gravity Loads

Exterior Wall Dead Load (Metal Panel) = 12 psf
Exterior Wall Dead Load (Stucco) = 21 psf

Seismic Criteria

Seismic Design Category = D
Seismic Importance Factor (Ie) = 1.25
Component Importance Factor (Ip) = 1
Site Class = D
SDS = 0.823 g
SD1 = 0.479 g

Deflection Criteria

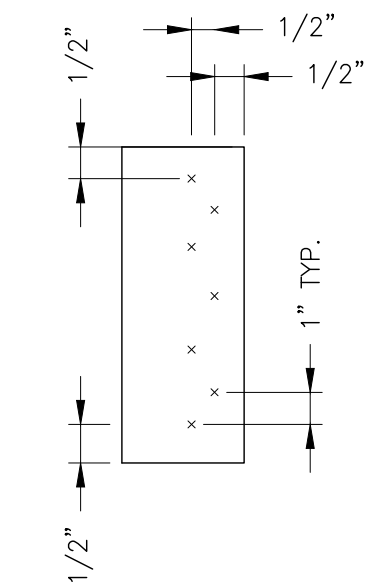
Exterior Walls (Stucco) = L/600
Exterior Walls (Metal Panel) = L/360
Primary Structure Vertical Deflection = 3/4" (Post-Installation)
Interstory Drift = 1.5% Story Height

This Drawing Package is based on Contract Drawing Set:

- Architectural Drawings
Revision: 95% Construction
Date: 02.25.2022
- Structural Drawings
Revision: 95% Construction
Date: 02.25.2022

NOTE:

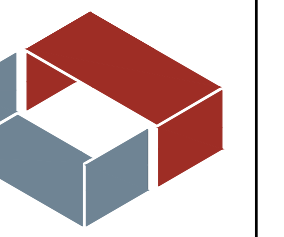
GENERIC CLIPS CAN BE USED IN LIEU OF E, S CLIPS CALLED OUT IN DETAILS PROVIDED THEY ARE OF THE SAME LENGTH, WIDTHS, THICKNESS & YIELD STRENGTH. FIRST TWO SCREWS SHALL BE PLACED STARTING 1/2" FROM TOP AND BOTTOM EDGE. EACH ADDITIONAL SCREW REQUIRED SHALL BE PLACED 1" FROM OUTERMOST SCREW ALTERNATING TOP TO BOTTOM. REFERENCE DIAGRAM TO RIGHT.



E=1.5 x 4
S=1.5 x 1.5
E545
MIL (50ksi)
LENGTH

SHEET INDEX

LSF-1.0 GENERAL NOTES
LSF-2.00 to 2.04 REFERENCE ELEVATIONS
LSF-2.10 to 2.12 REFERENCE PLANS
LSF-3.0 to 3.17 WALL SECTIONS
LSF-3.50 to 3.51 ROOF TRELLIS SECTIONS
LSF-4.0 to 4.5 OPENING FRAMING
LSF-5.0 to 5.5 FRAMING DETAILS



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Revisions

Rev.	By	Date
1.	BAO	01/19/2023
2.	BAO	02/22/2023
3.	BAO	04/03/2023
4.	BAO	05/22/2023
5.	BAO	06/23/2023
6.	BAO	08/04/2023

Drawn: BAO
Engineer: BAO
Reviewed: TG

Date: 11/15/2022

Project Number: 2150220247-1

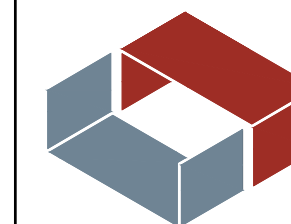
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Sheet No. LSF-1.0

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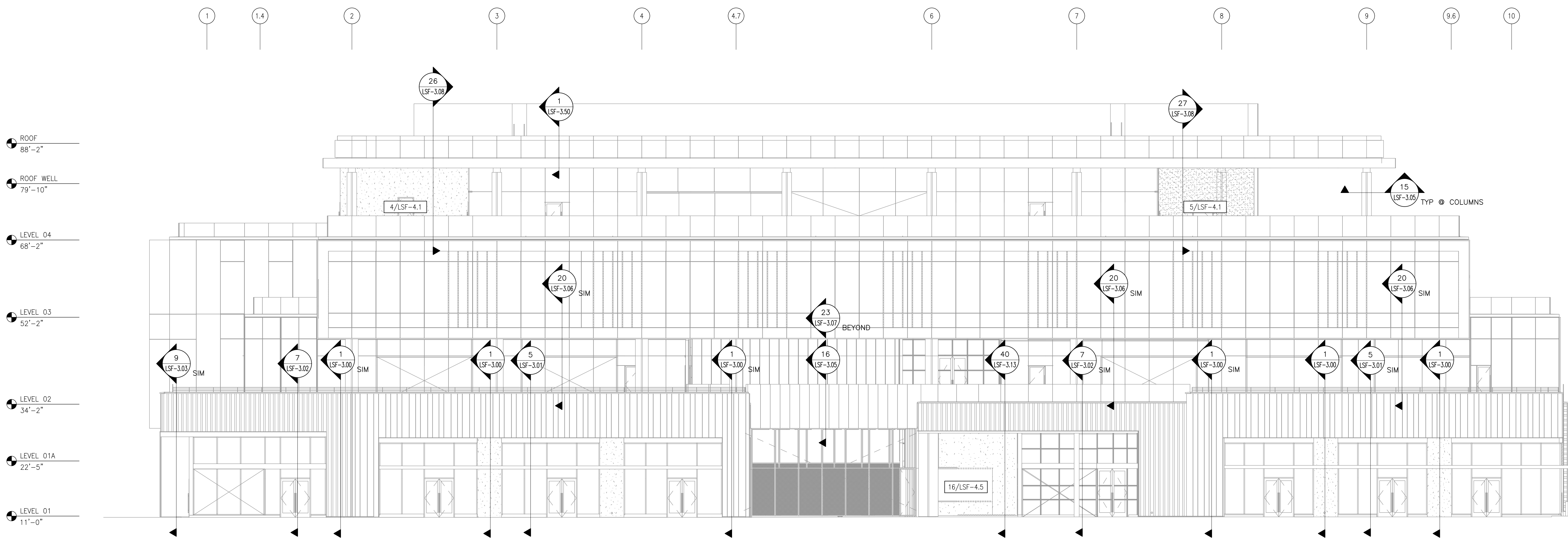
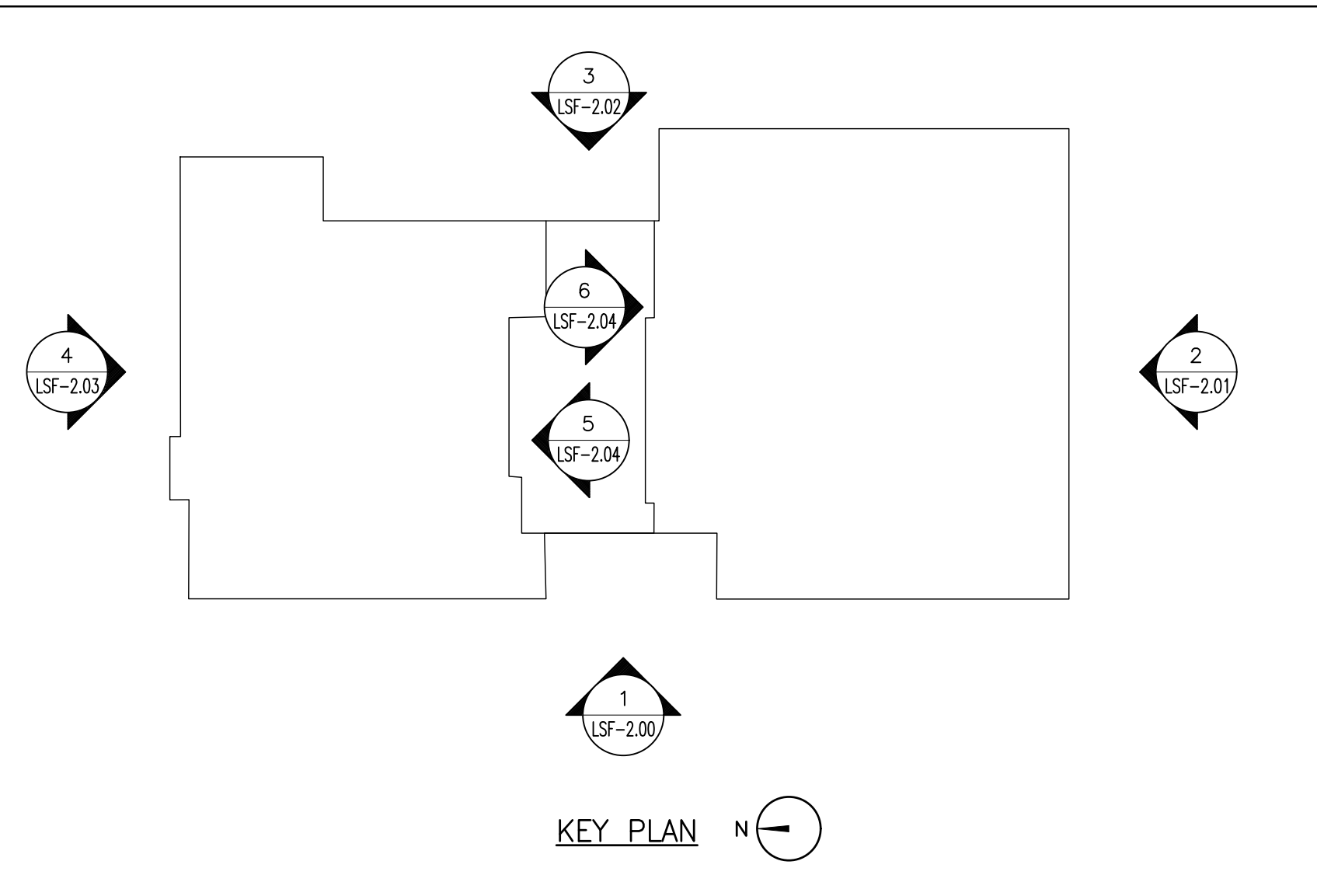
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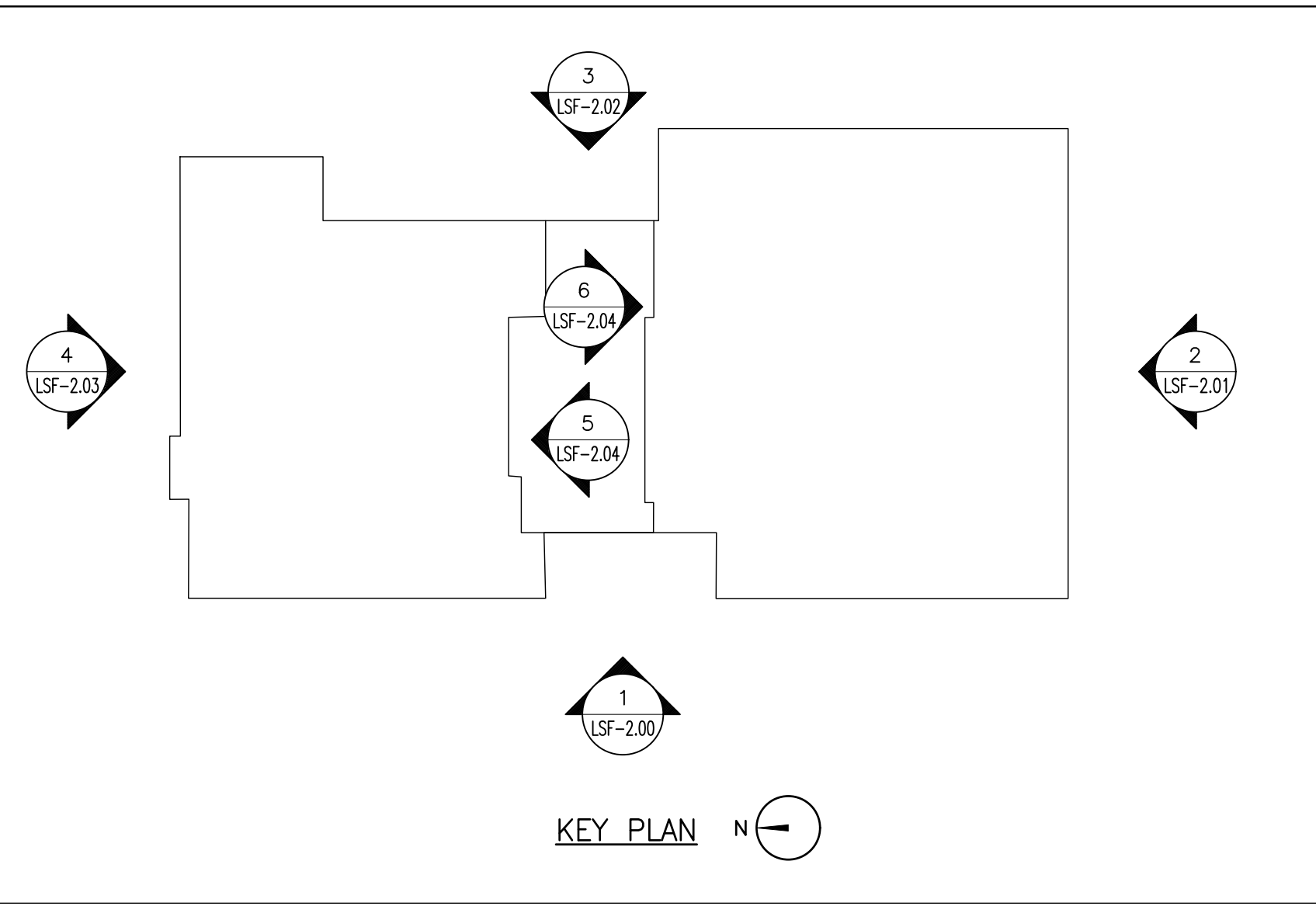
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LSF-2.00

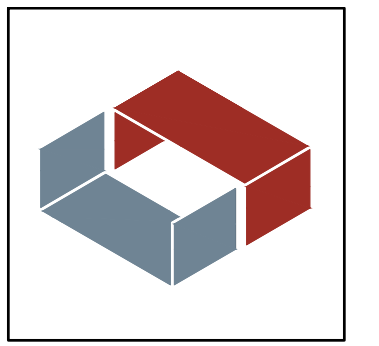
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1 WEST EXTERIOR ELEVATION
REF: 2/A05.200

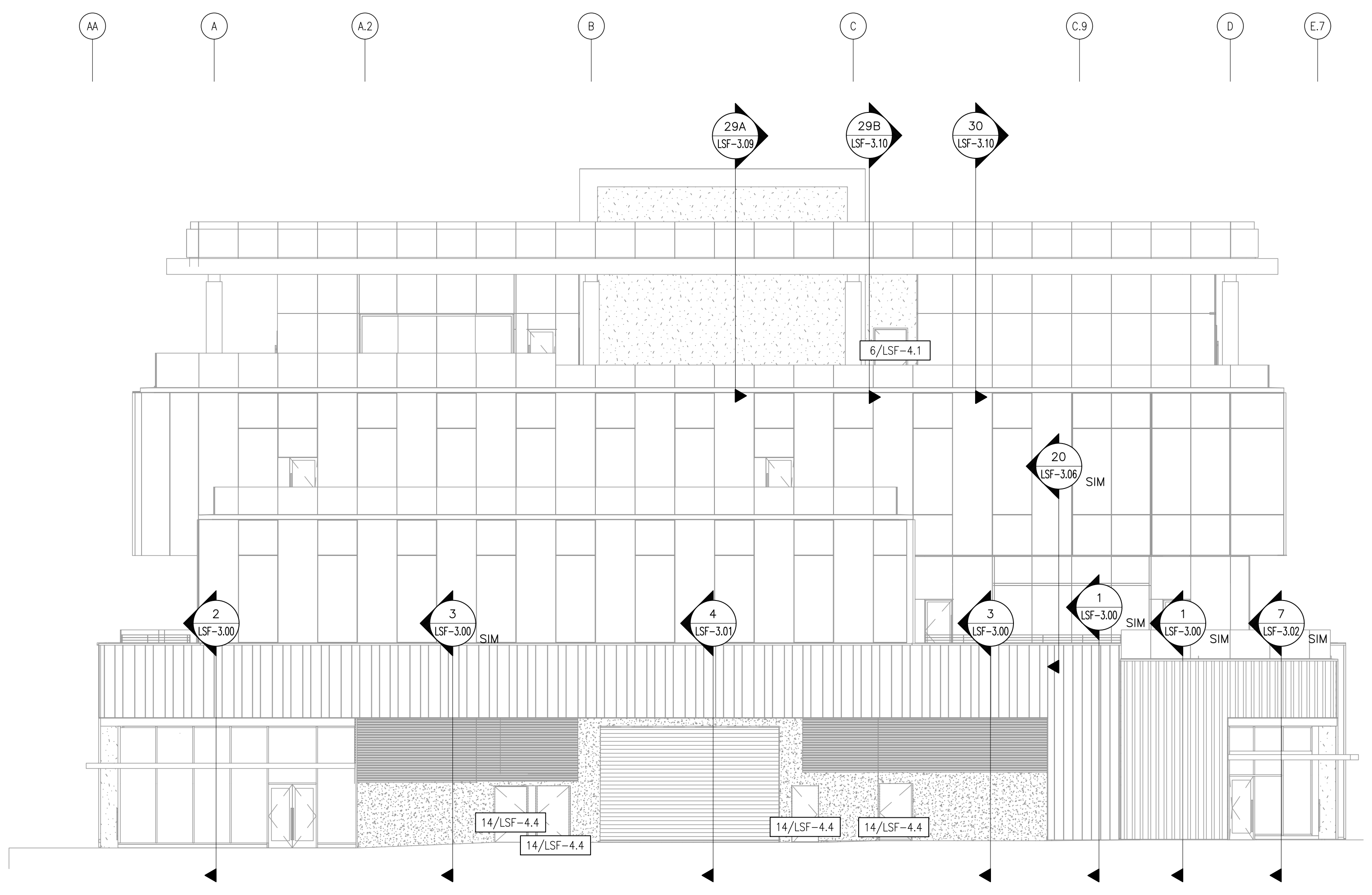


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- ROOF
88'-2"
- ROOF WELL
79'-10"
- LEVEL 04
68'-2"
- LEVEL 03
52'-2"
- LEVEL 02
34'-2"
- LEVEL 01A
22'-5"
- LEVEL 01
11'-0"



2 SOUTH EXTERIOR ELEVATION
 REF: 1/A05.200

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6	BAO	08/04/2023

Drawn:	Engineer:	Reviewed:
BAO	BAO	TG

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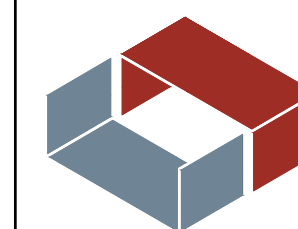
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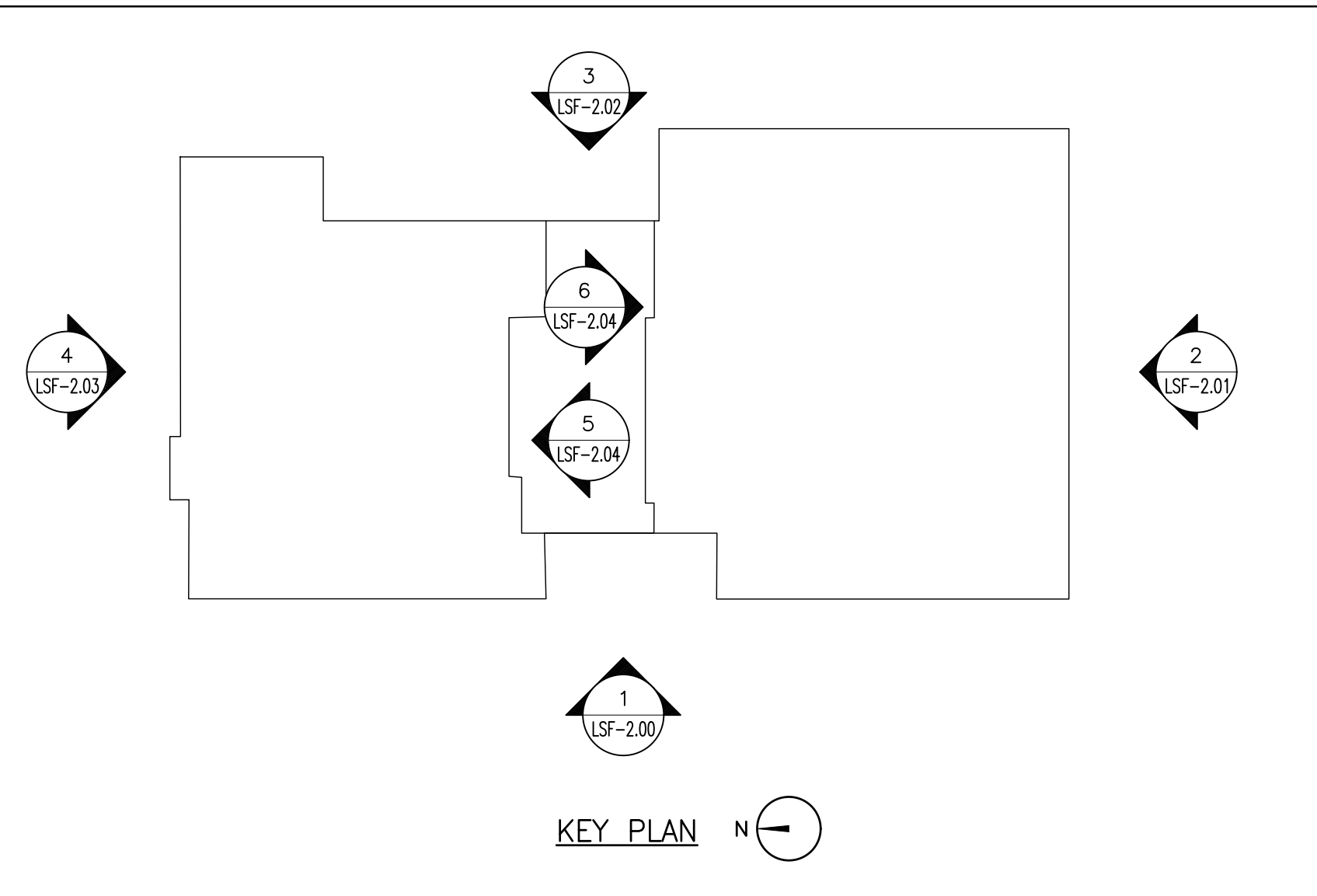
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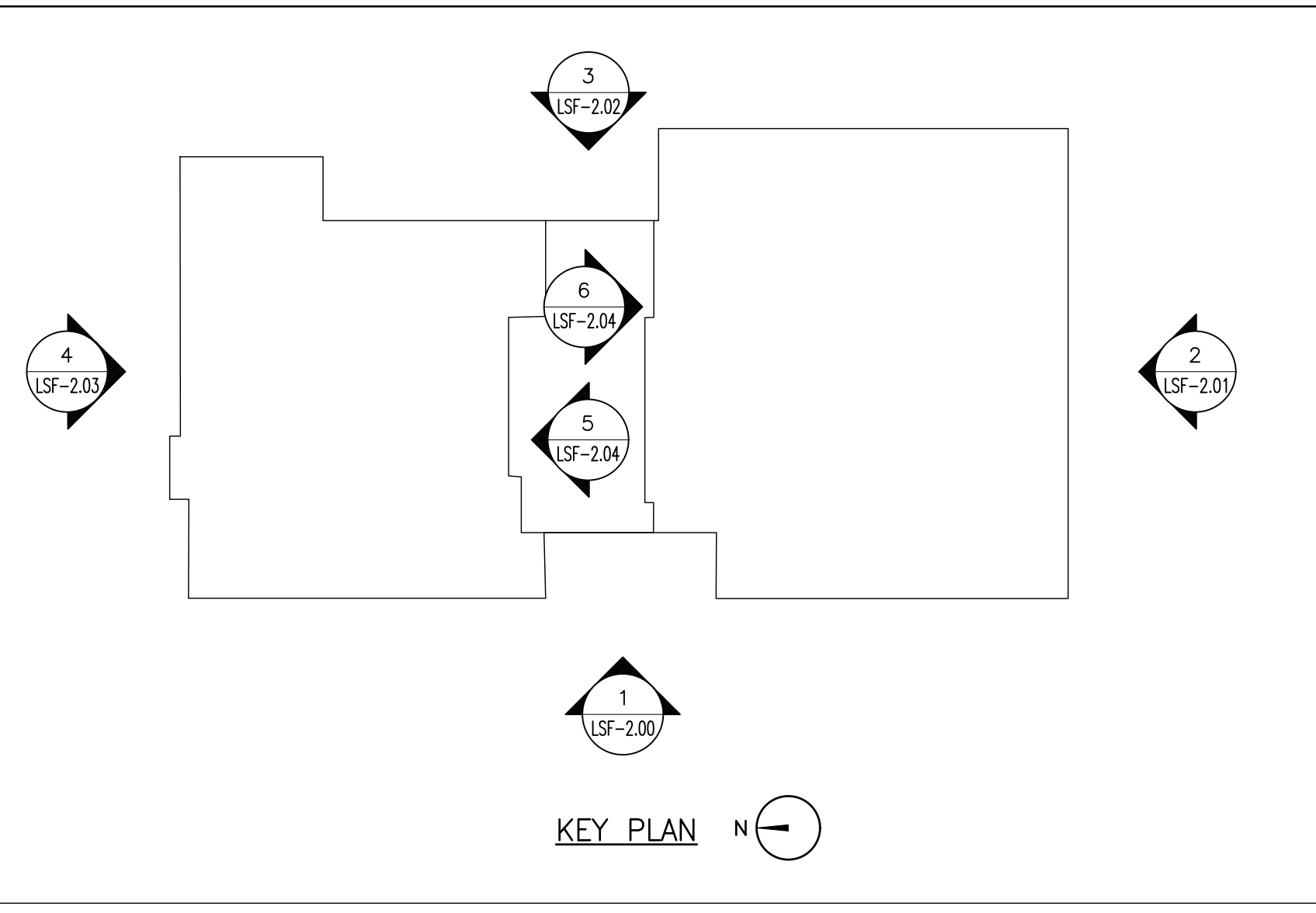
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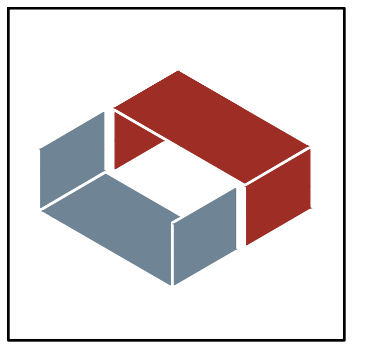
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3 EAST EXTERIOR ELEVATION
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PROVIDE DOUBLE FRAMING PER SECTION 48/LSF-3.16 AT BEGINNING OF CORNER TRANSITION.

PROVIDE DOUBLE FRAMING AT BEGINNING OF CORNER TRANSITIONS.

4 NORTH EXTERIOR ELEVATION
 REF: 1/A05.201

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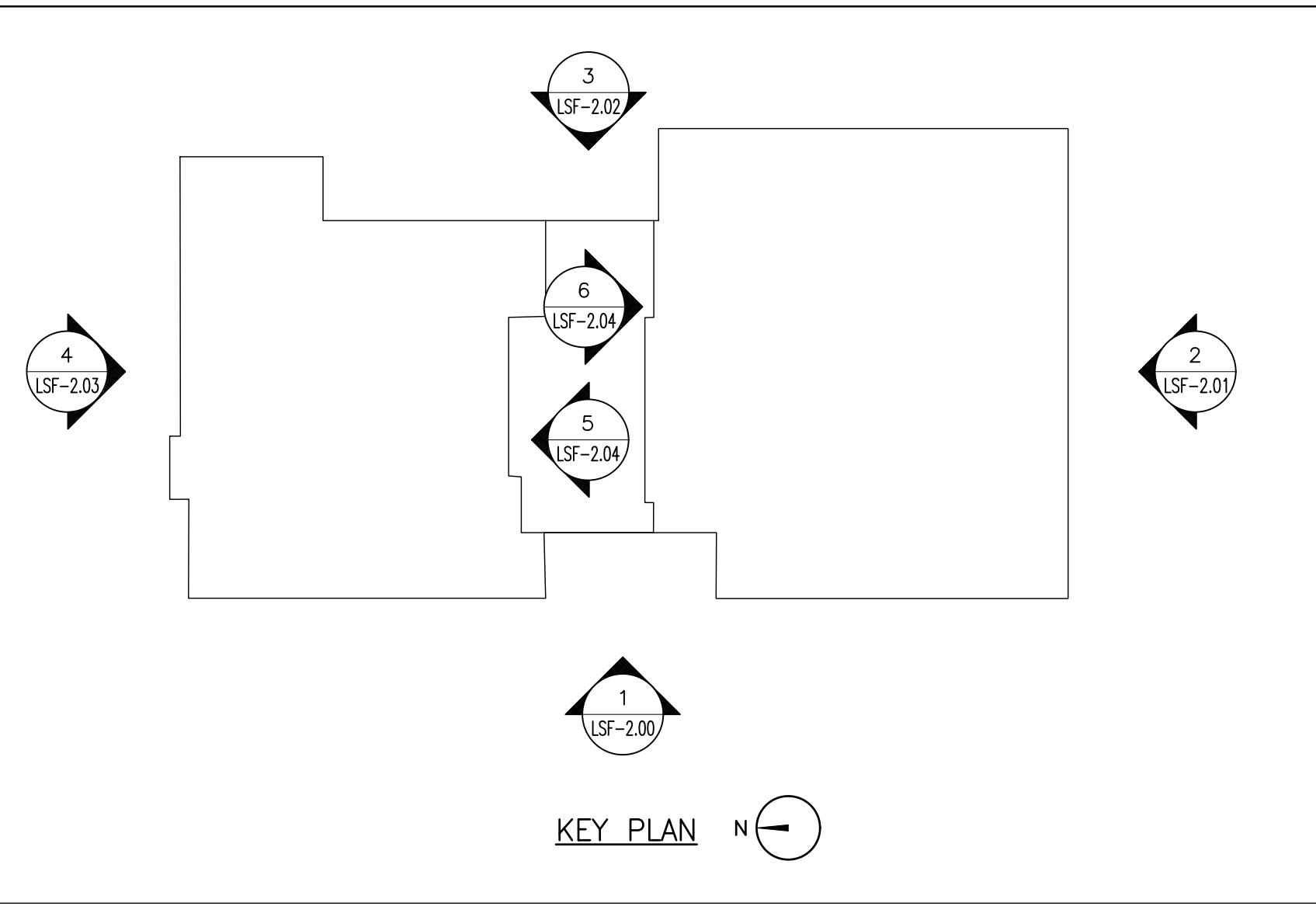
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 Engineer: BAO
 Reviewed: TG

Date:
 11/15/2022

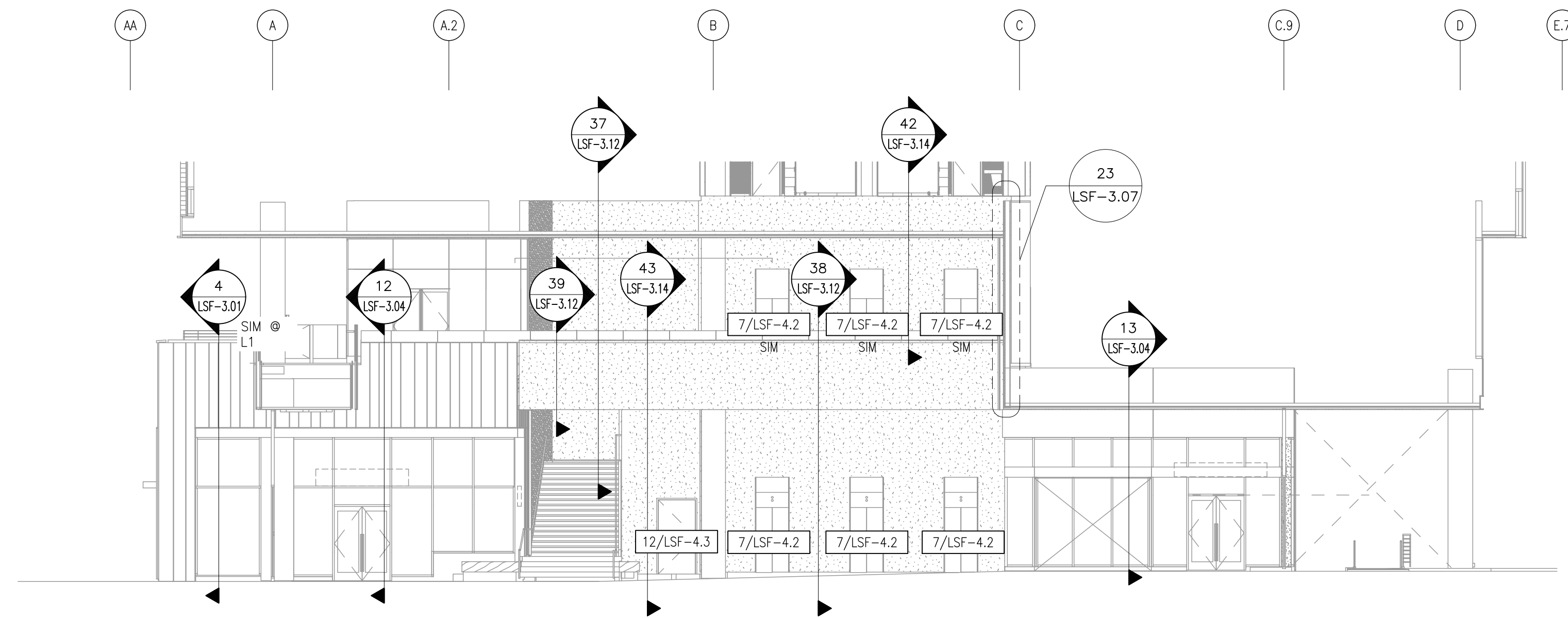
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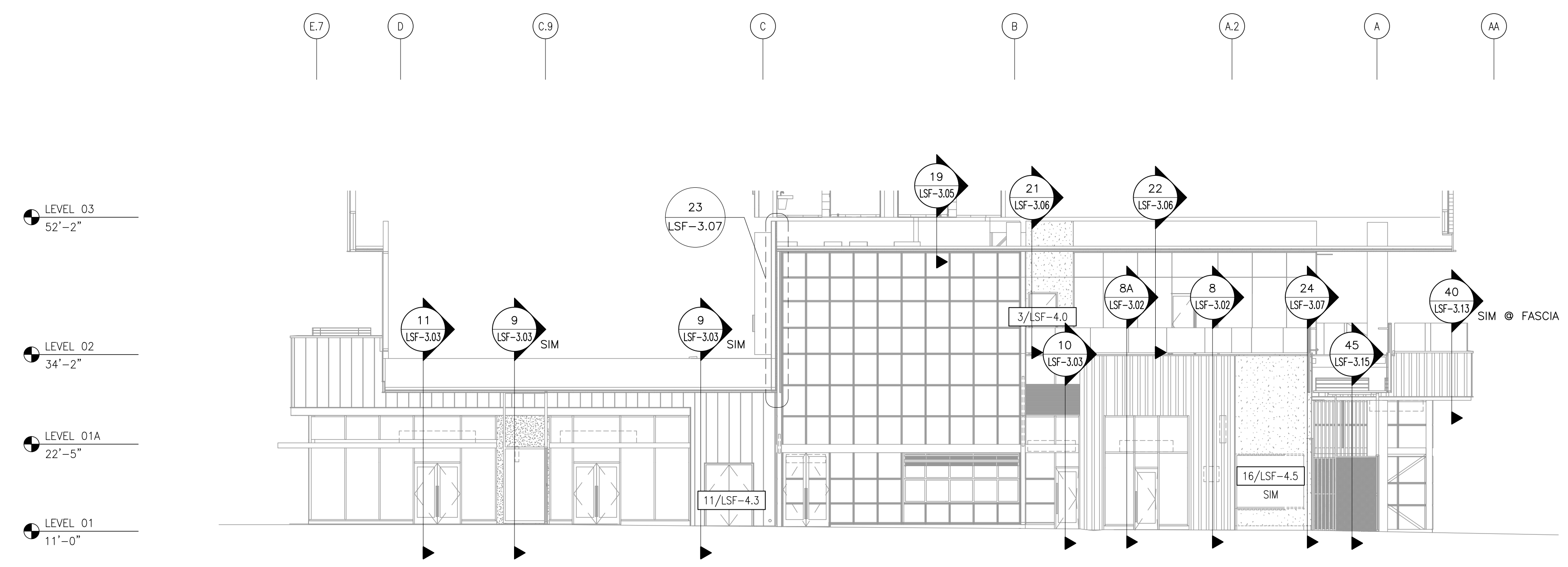
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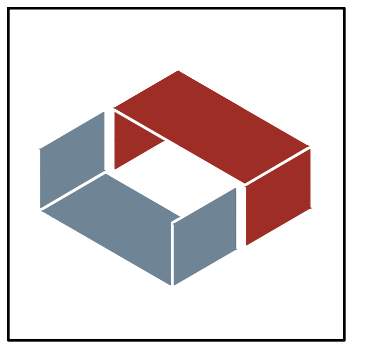
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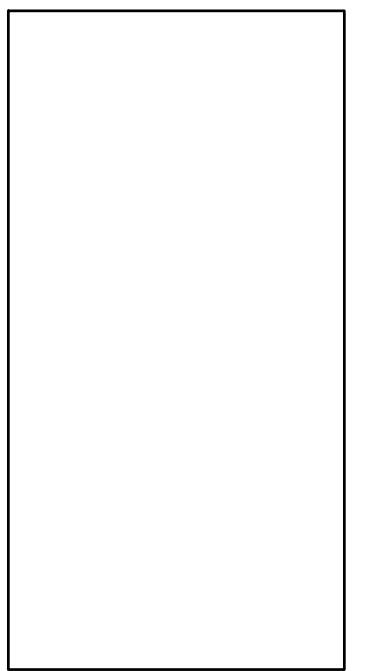
5 NORTH BREEZEWAY ELEVATION
 REF: 3/A06.407



6 SOUTH BREEZEWAY ELEVATION
 REF: 3/A06.406



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Date: 11/15/2022

Project Number: 2150220247-1

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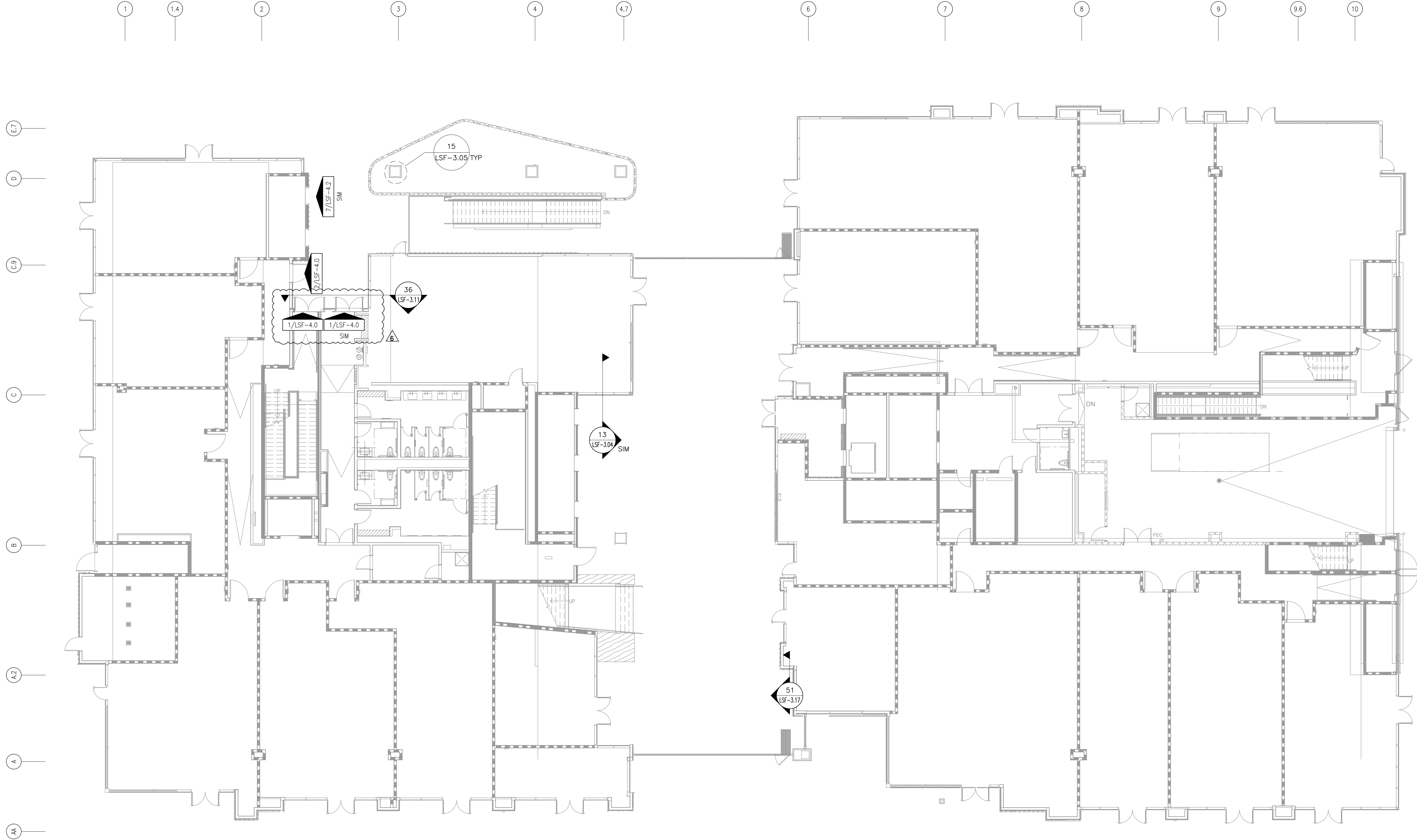
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1	BAO	01/19/2023
2	BAO	02/22/2023
3	BAO	04/03/2023
4	BAO	05/22/2023
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6	BAO	08/04/2023

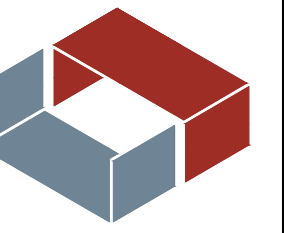
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Date:		
11/15/2022		
Project Number:		
2150220247-1		
Sheet Title:		
REFERENCE PLANS		
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1 LEVEL 1 FLOOR PLAN
 REF: 1/A02.001

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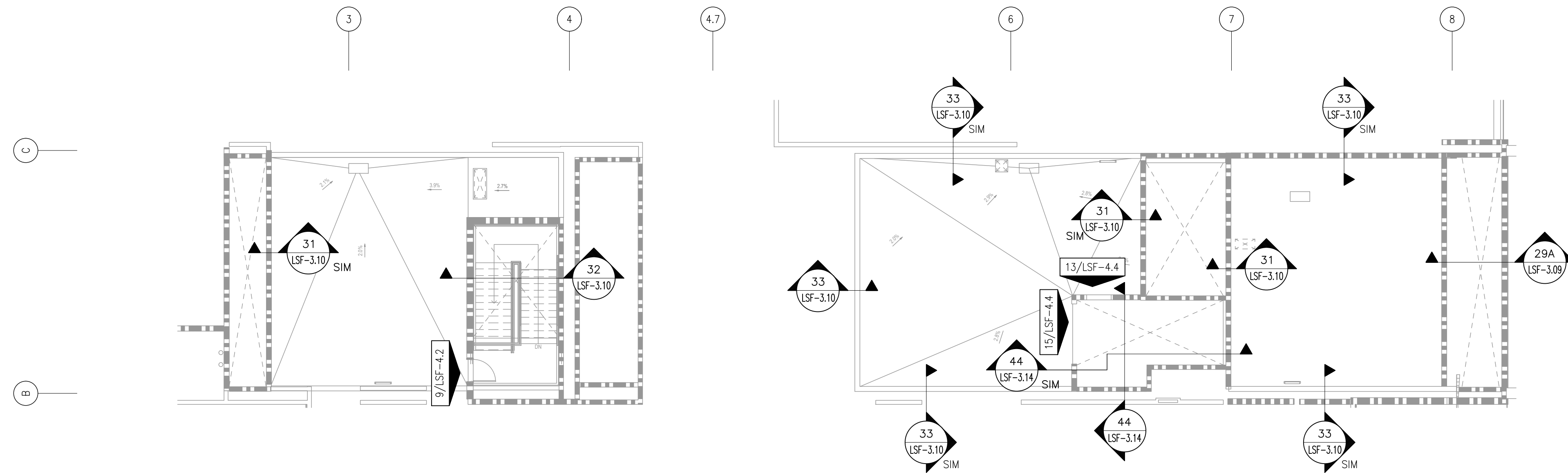


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3 ROOF WALL FLOOR PLAN
REF: 1/A04.105

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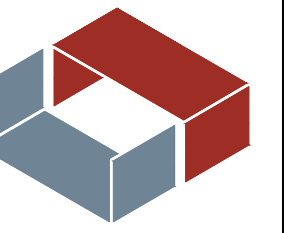
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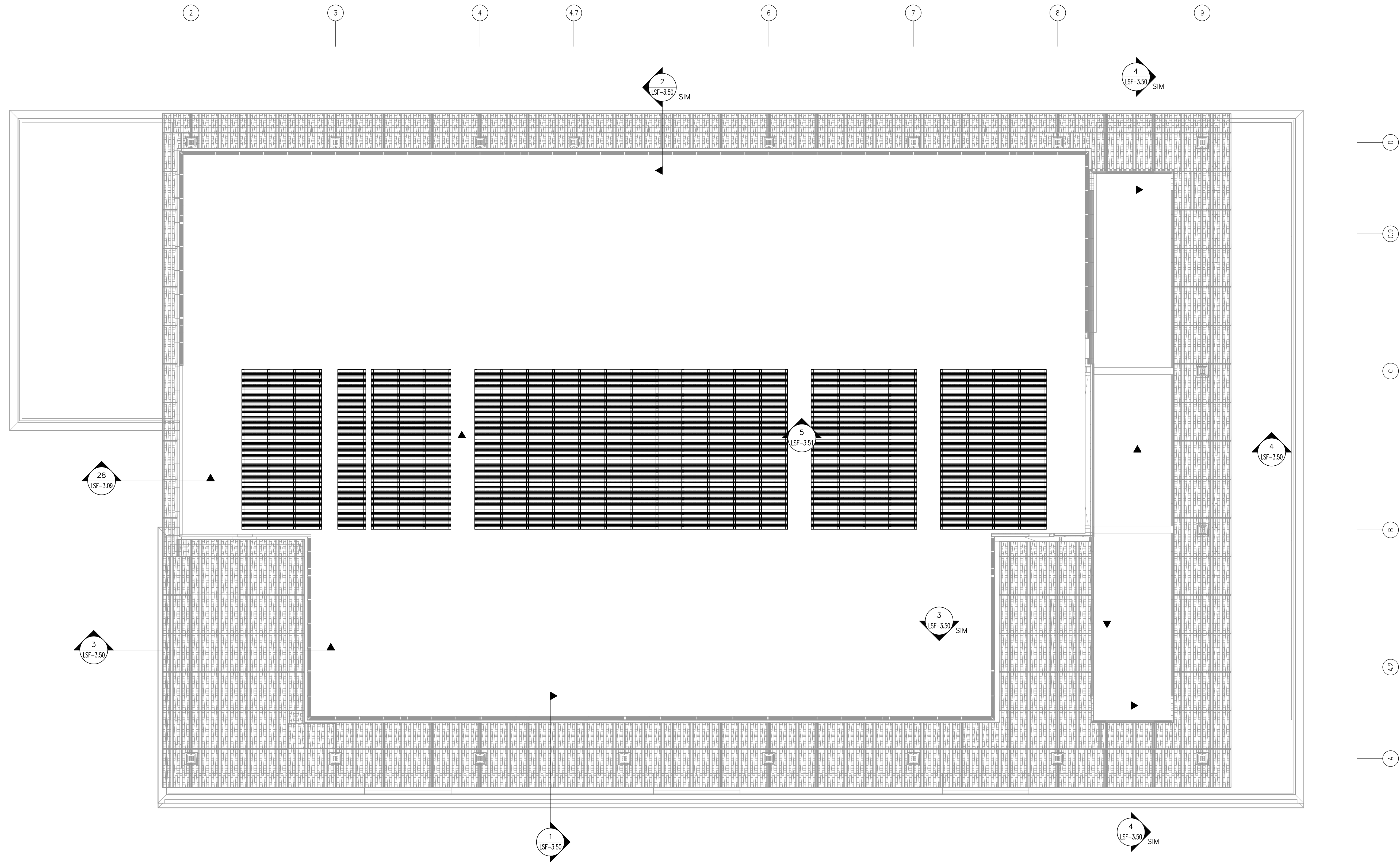
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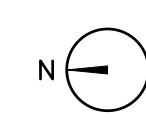
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④ L4 TRELLIS RCP
REF: 1/A02.105



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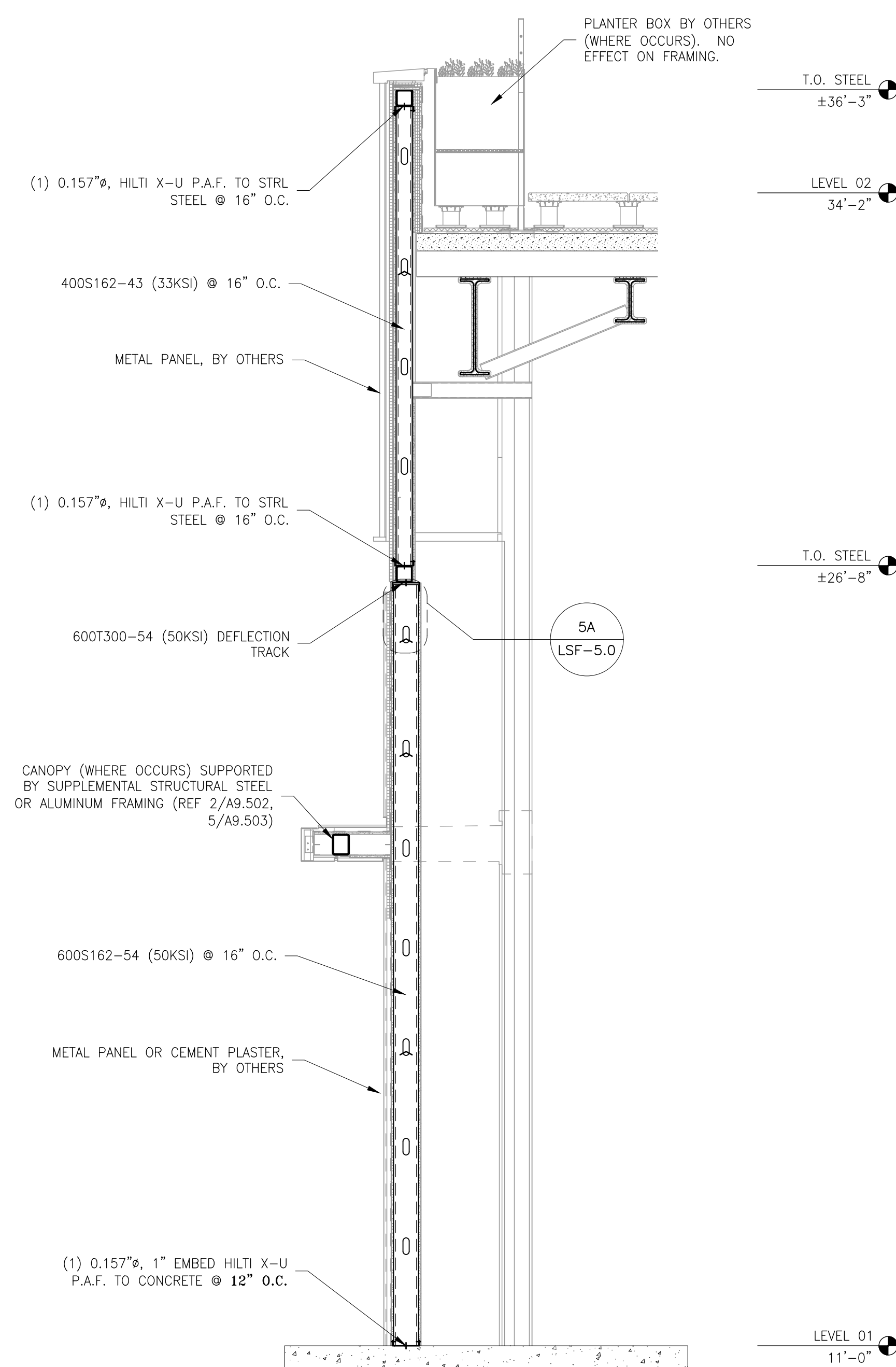


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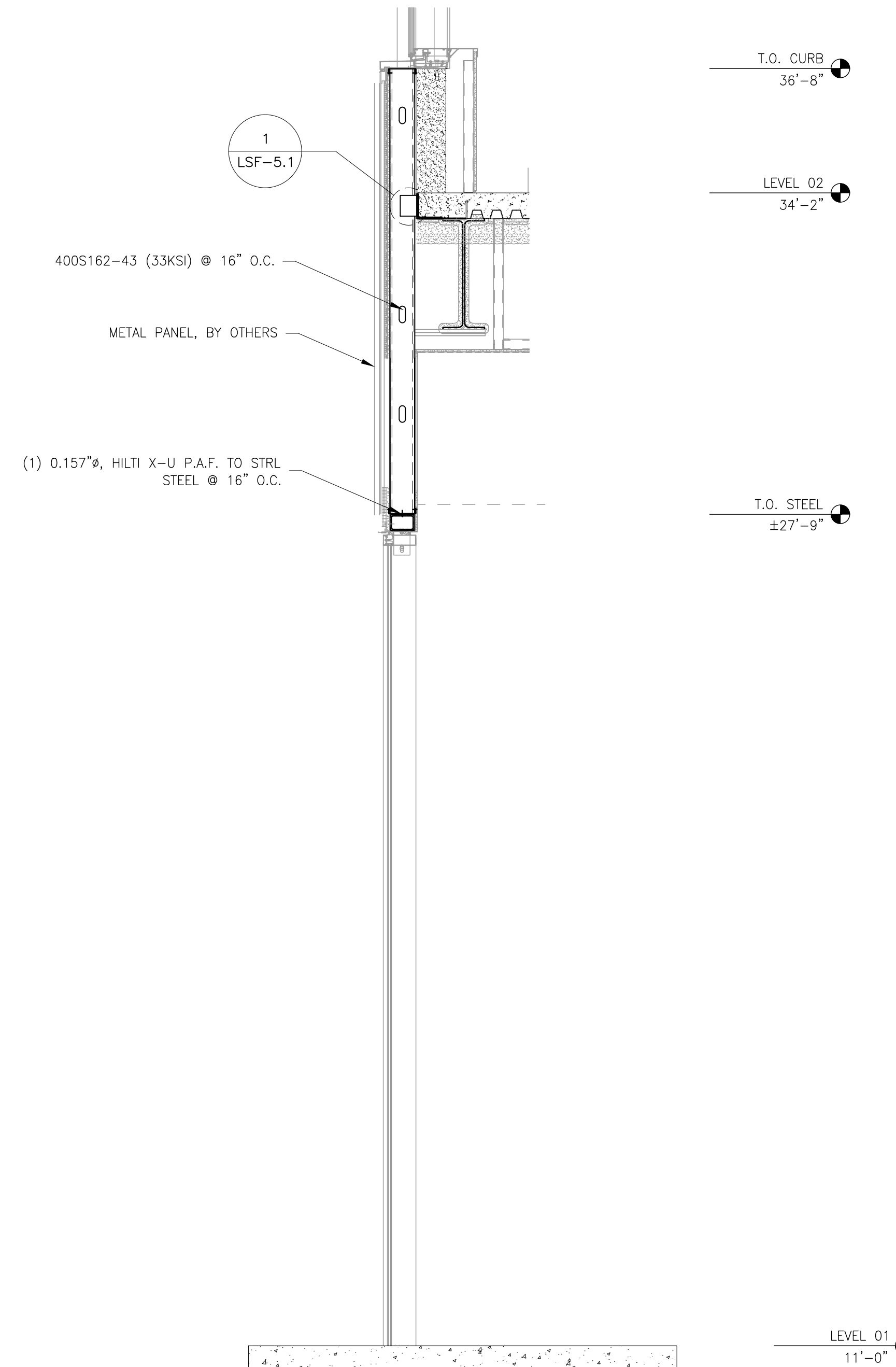
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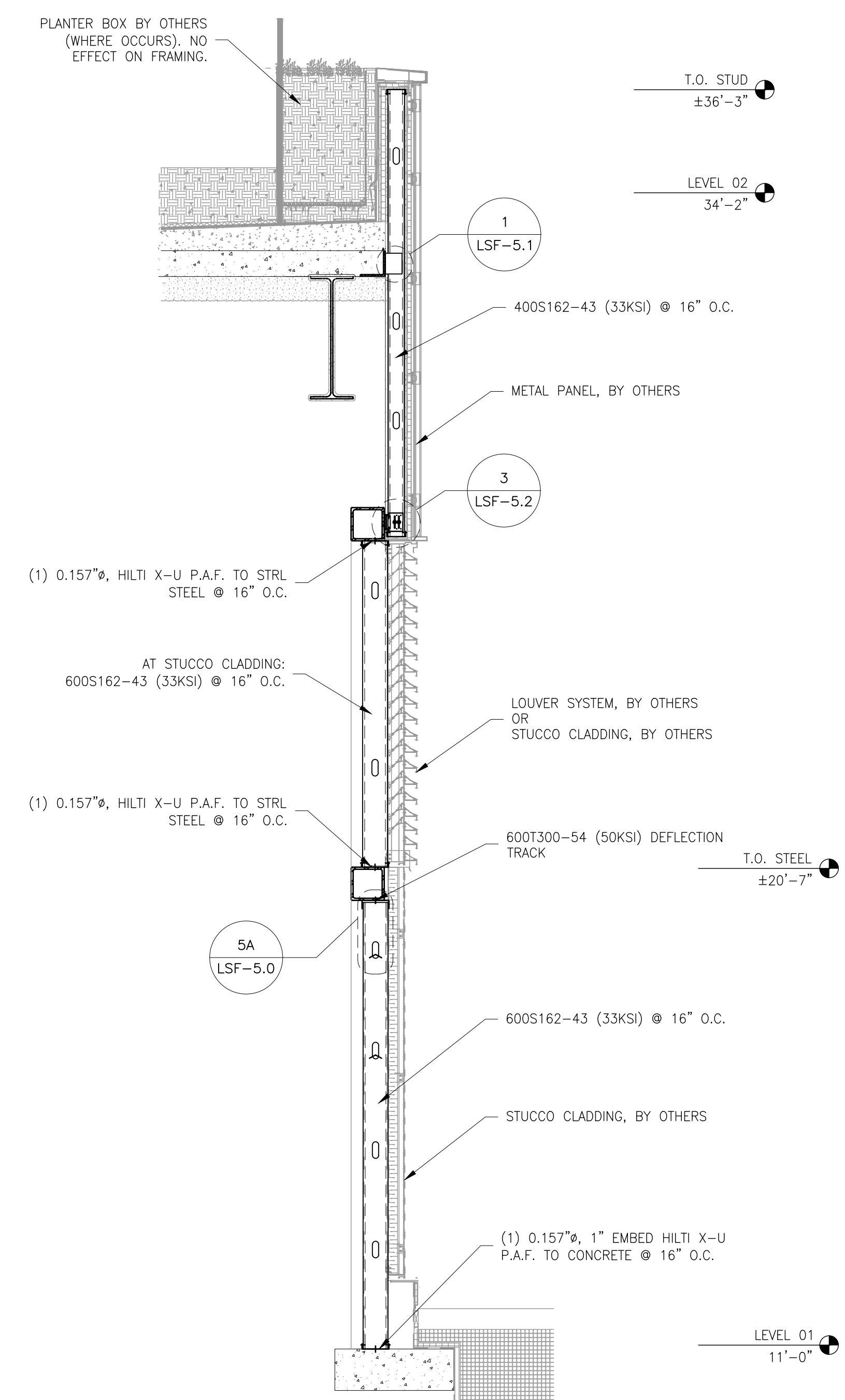
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1 WALL SECTION
REF: 2/A09.502, 1/A09.502 (SIM)
SEE: 5/S03.335



2 WALL SECTION
REF: 6/A09.510
SEE: 23/S08.806



3 WALL SECTION
REF: 3/A06.511
SEE: 3/S03.337

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Date: 11/15/2022

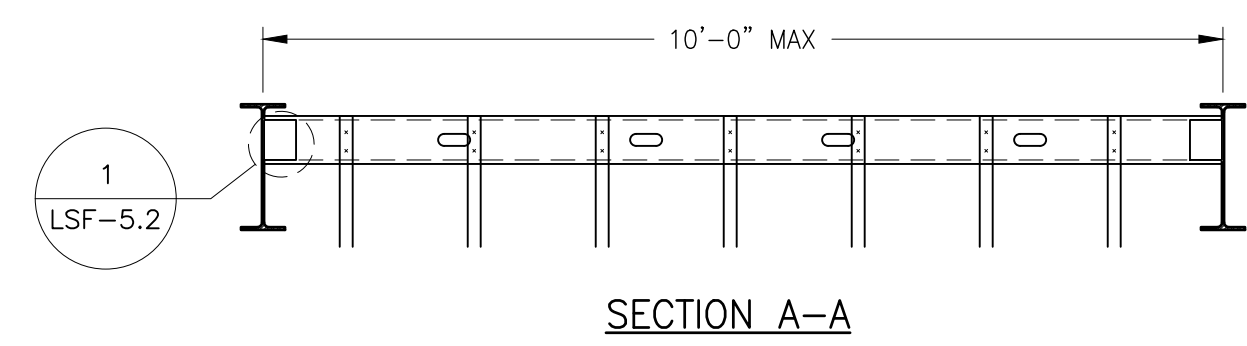
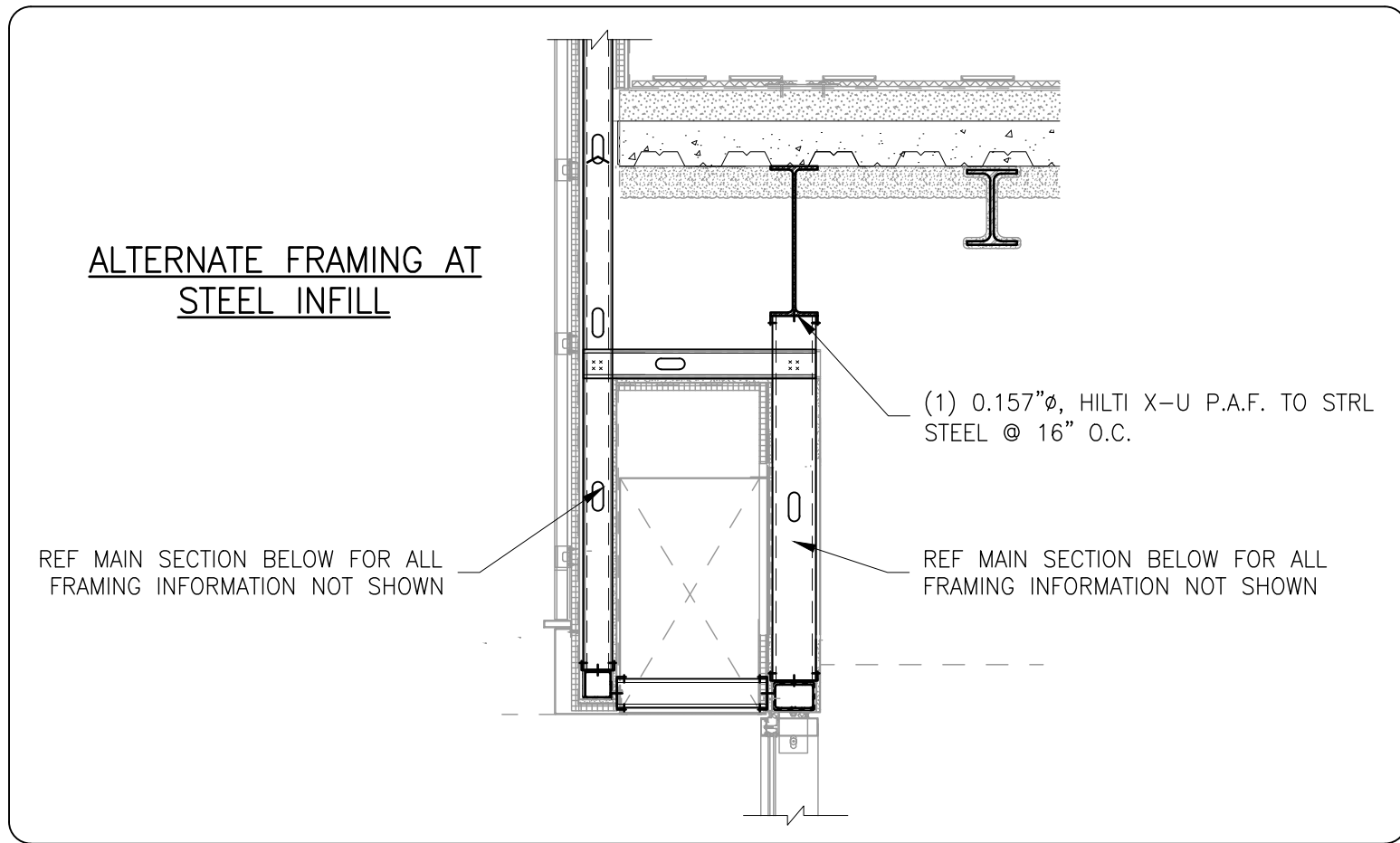
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Sheet Title: WALL SECTIONS

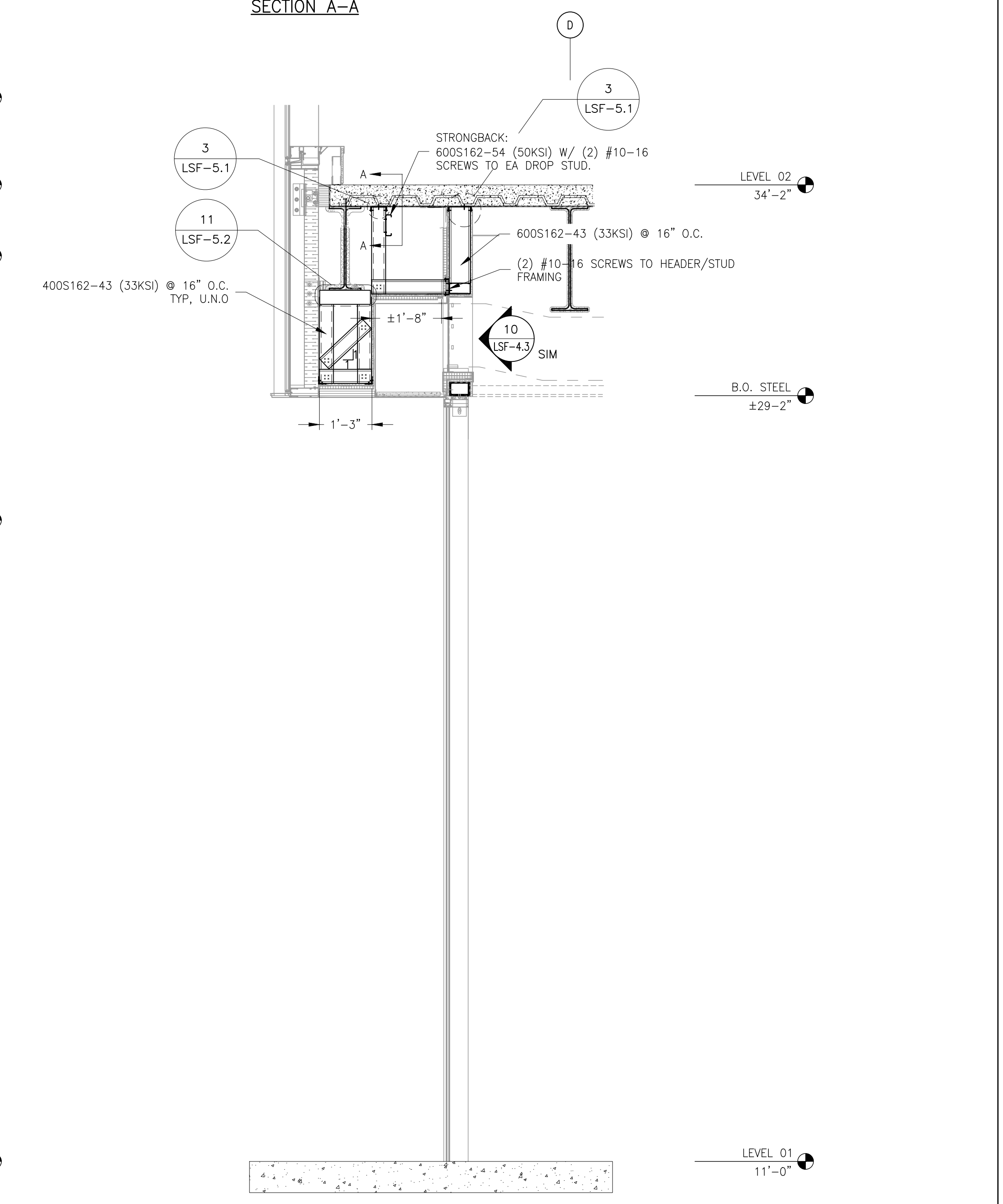
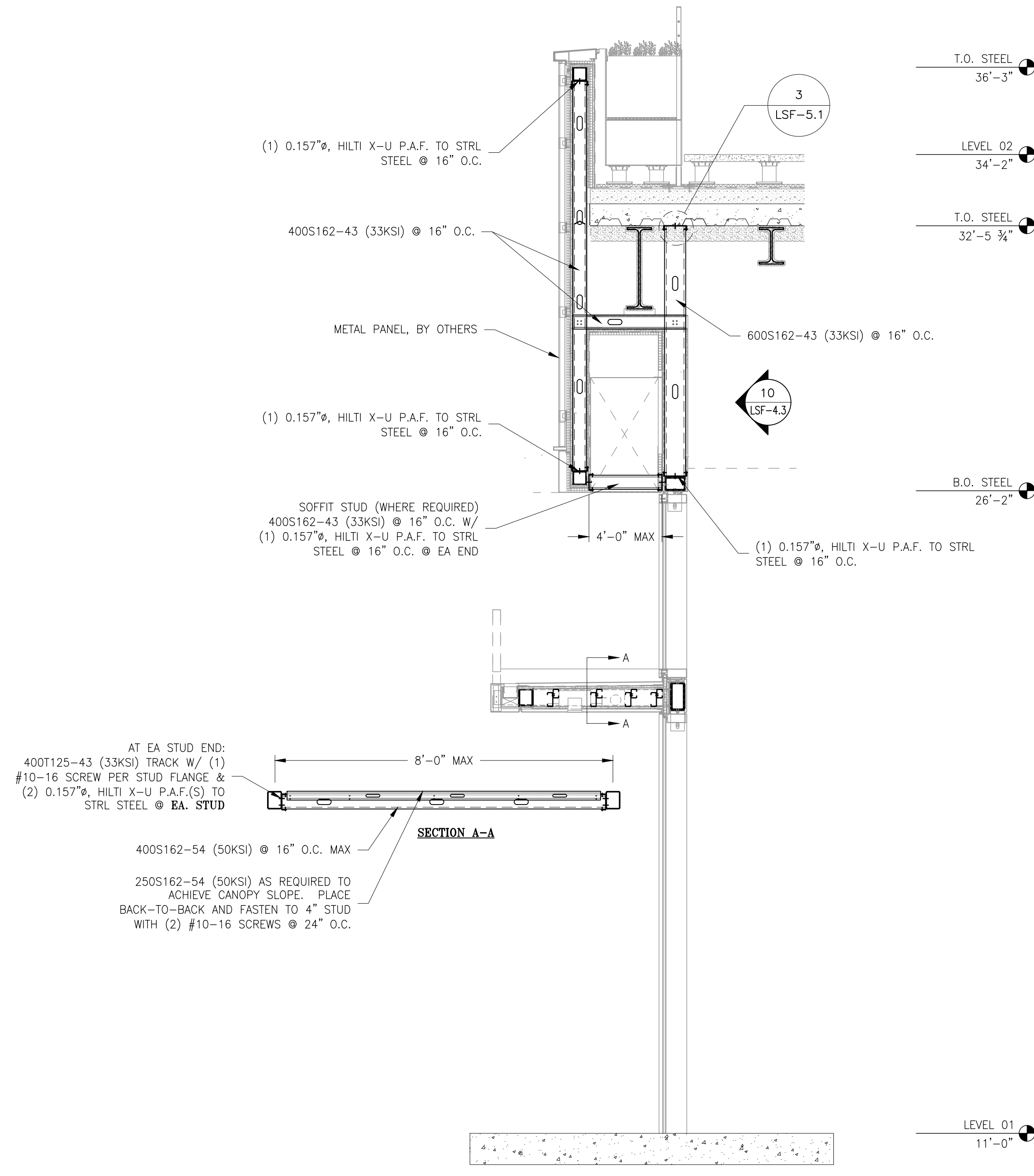
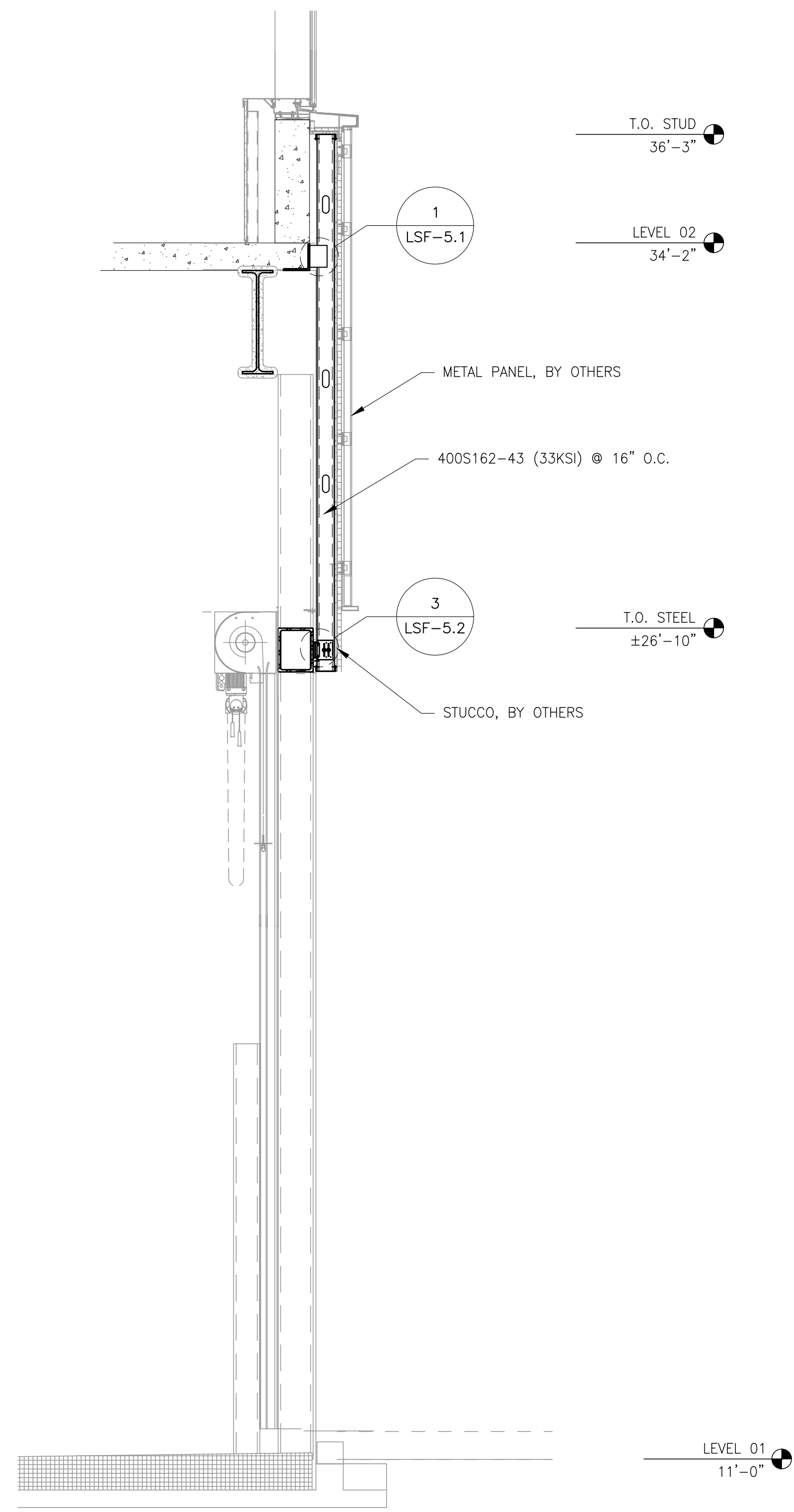
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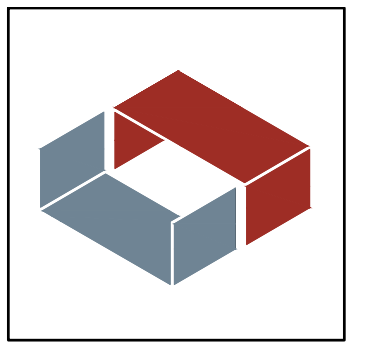
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4 WALL SECTION
REF: 1/A06.512

5 WALL SECTION
REF: 1/A09.500
SEE: 5/S03.335

6 WALL SECTION
REF: 5/A06.414, 6/A06.403, 4/A09.510



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BAO	BAO	TG

Date:
11/15/2022

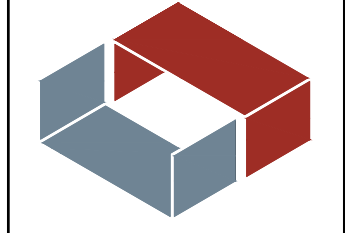
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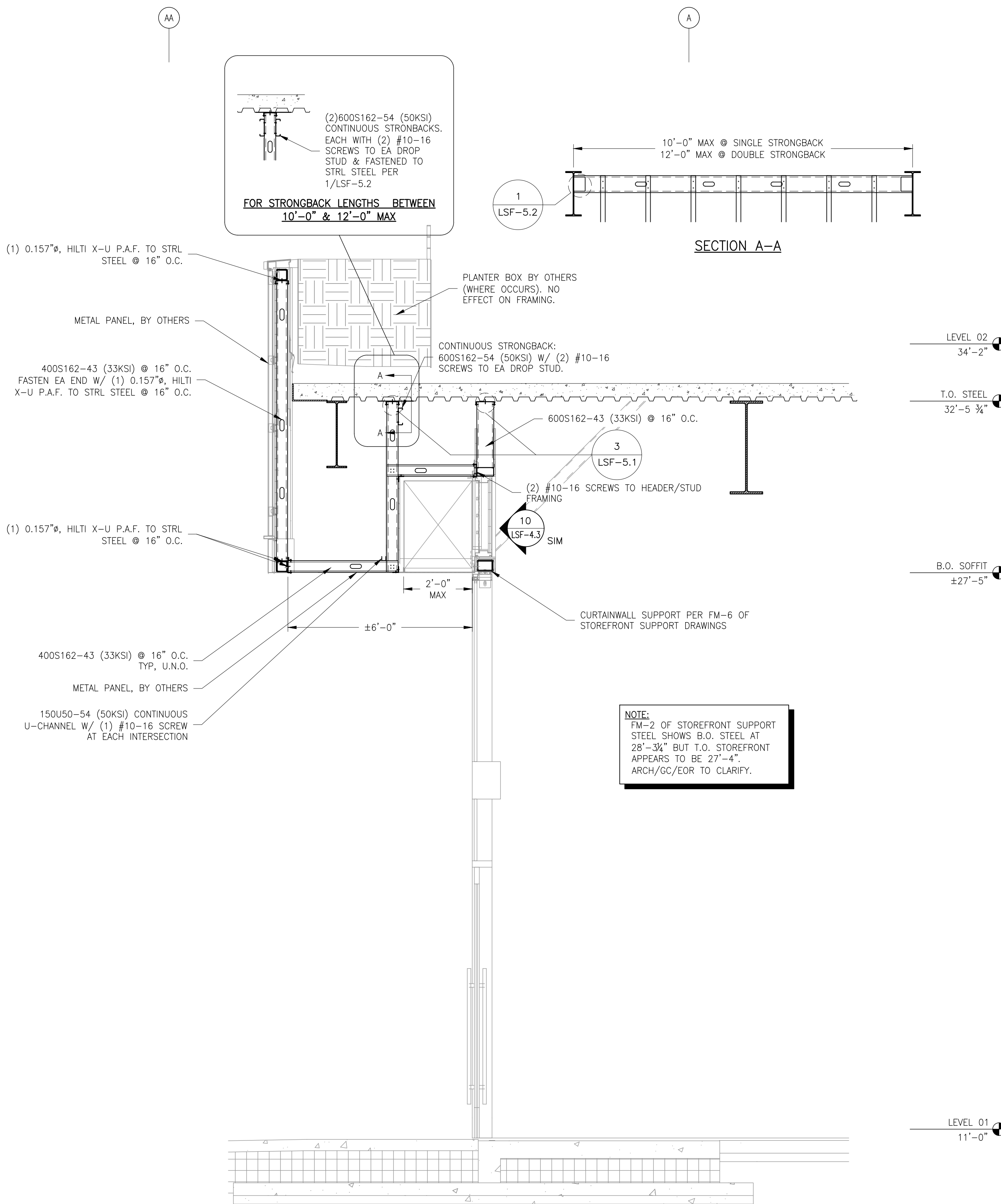
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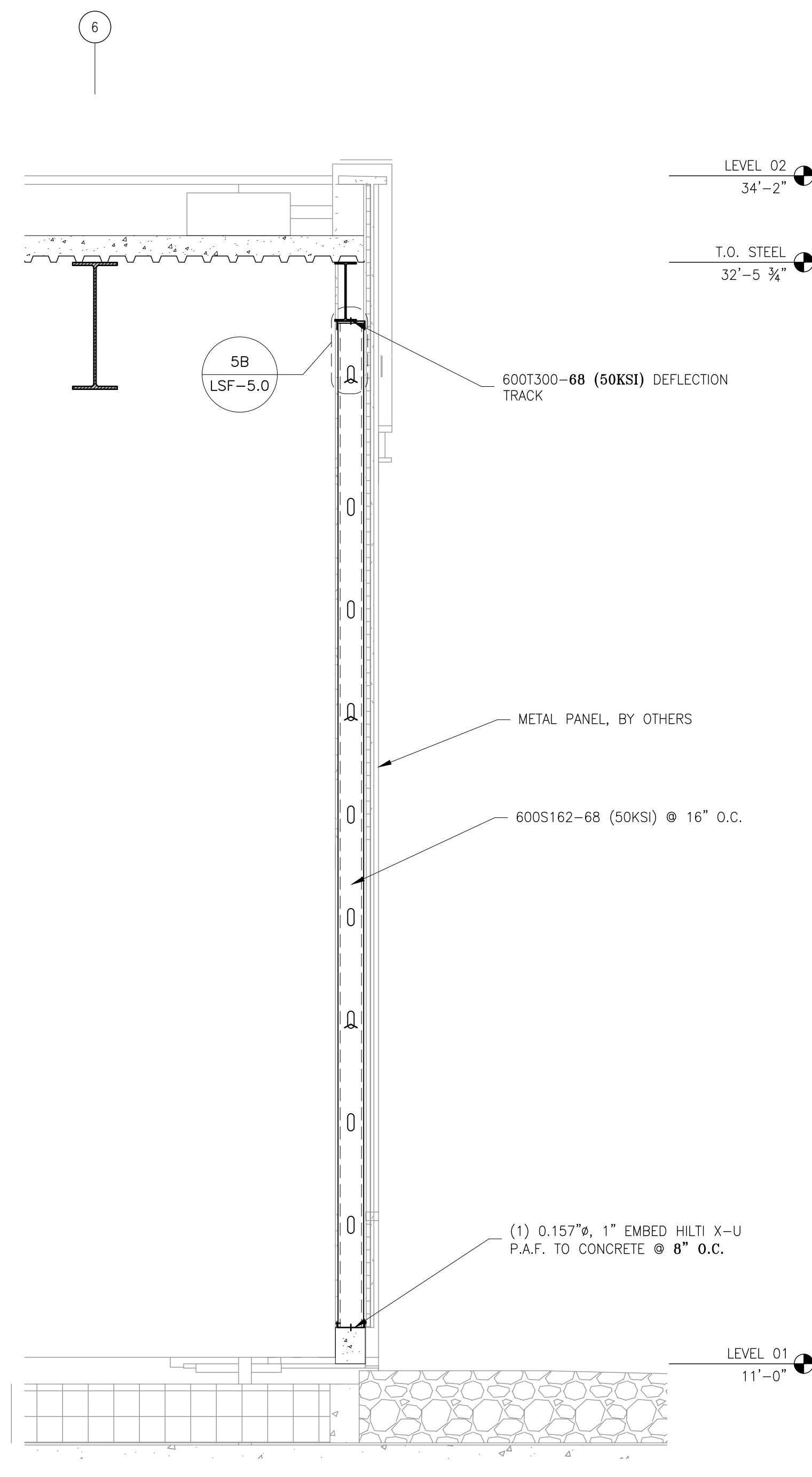
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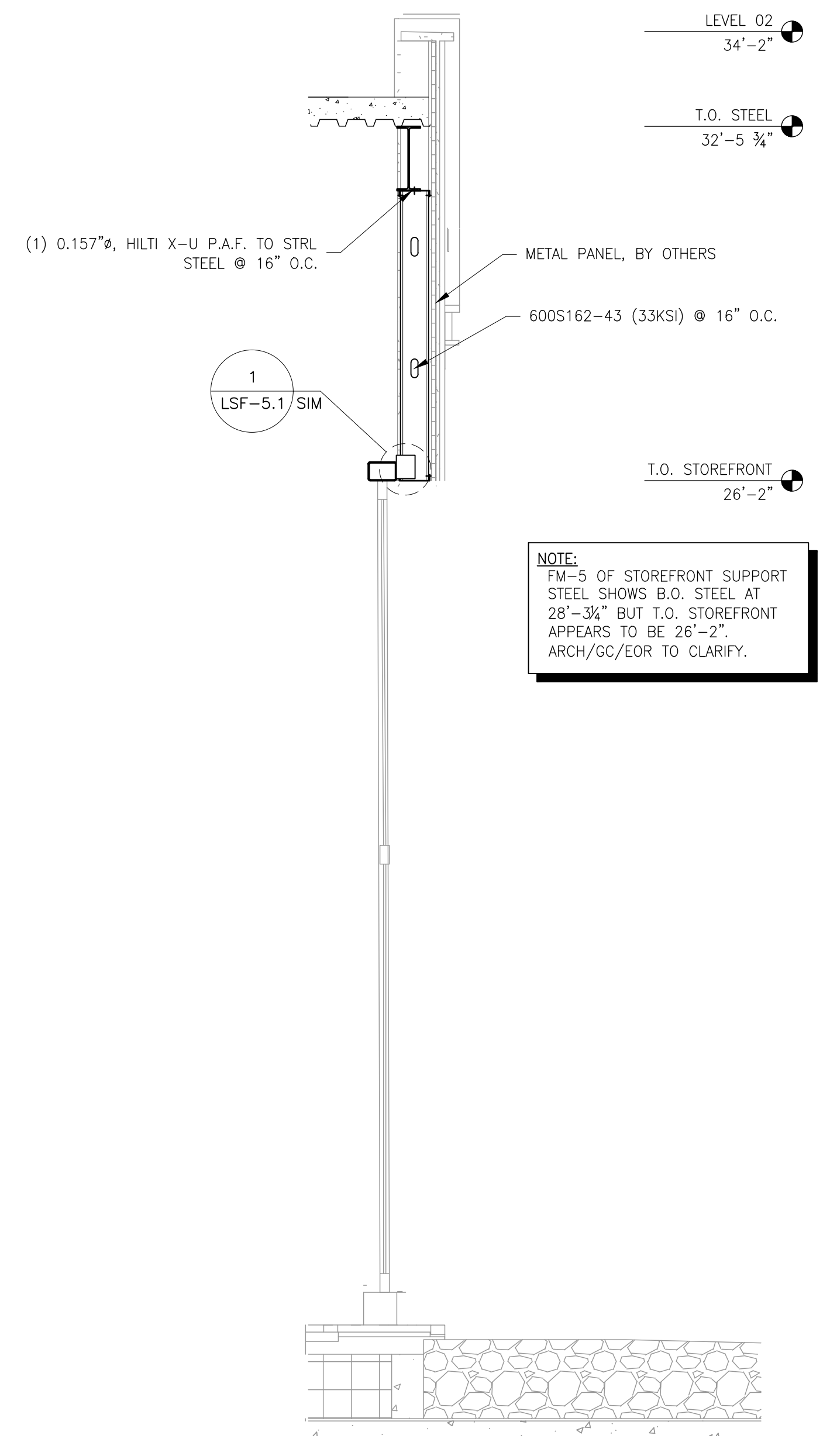
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7 WALL SECTION
 REF: 3/A06.400, 5/A06.401, 6/A06.402 (SIM)
 SEE: 5/S03.335



8 WALL SECTION
 REF: 2/A06.409,



8A WALL SECTION
 REF: 2/A06.409,

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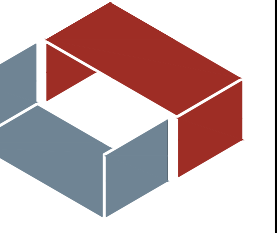
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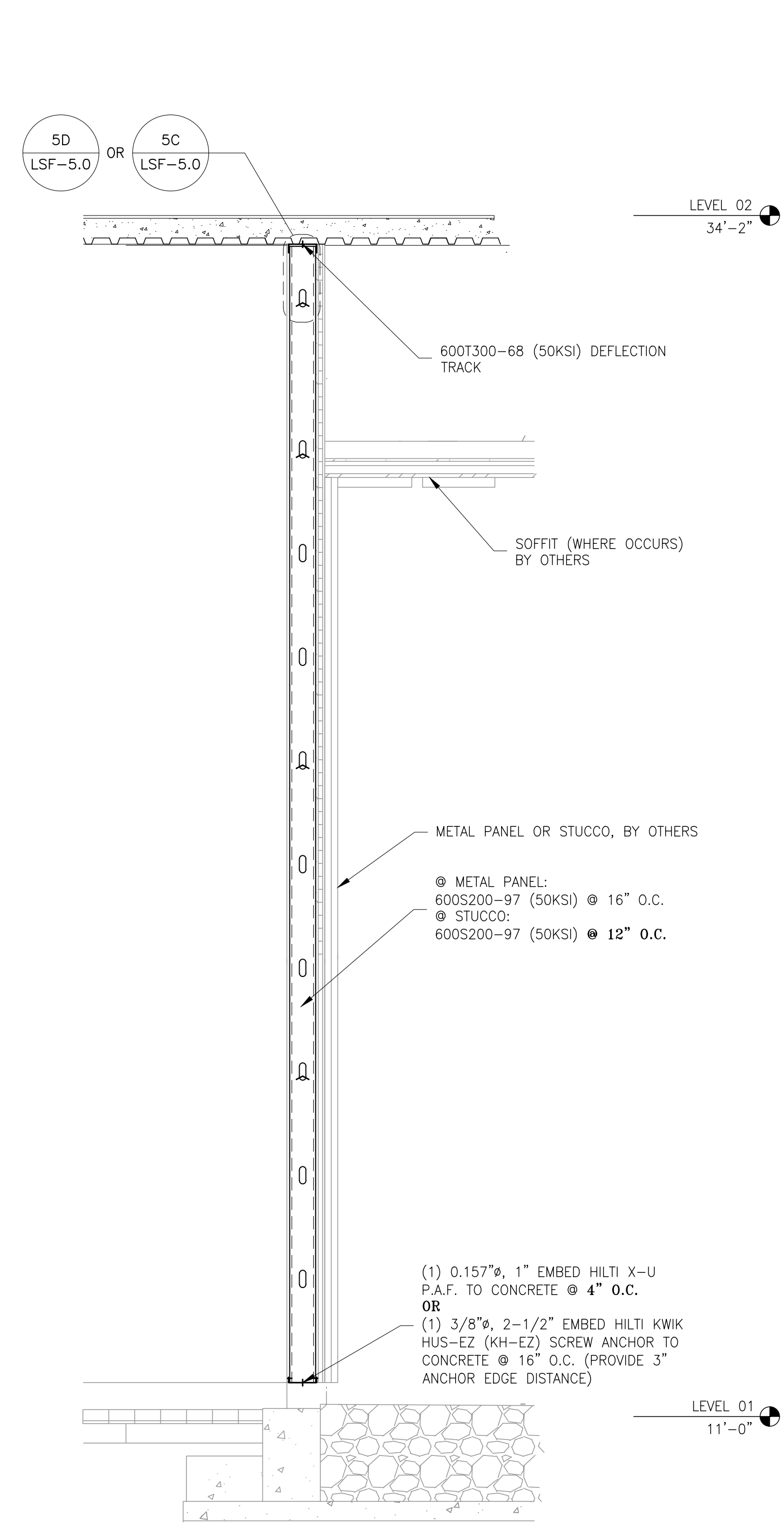
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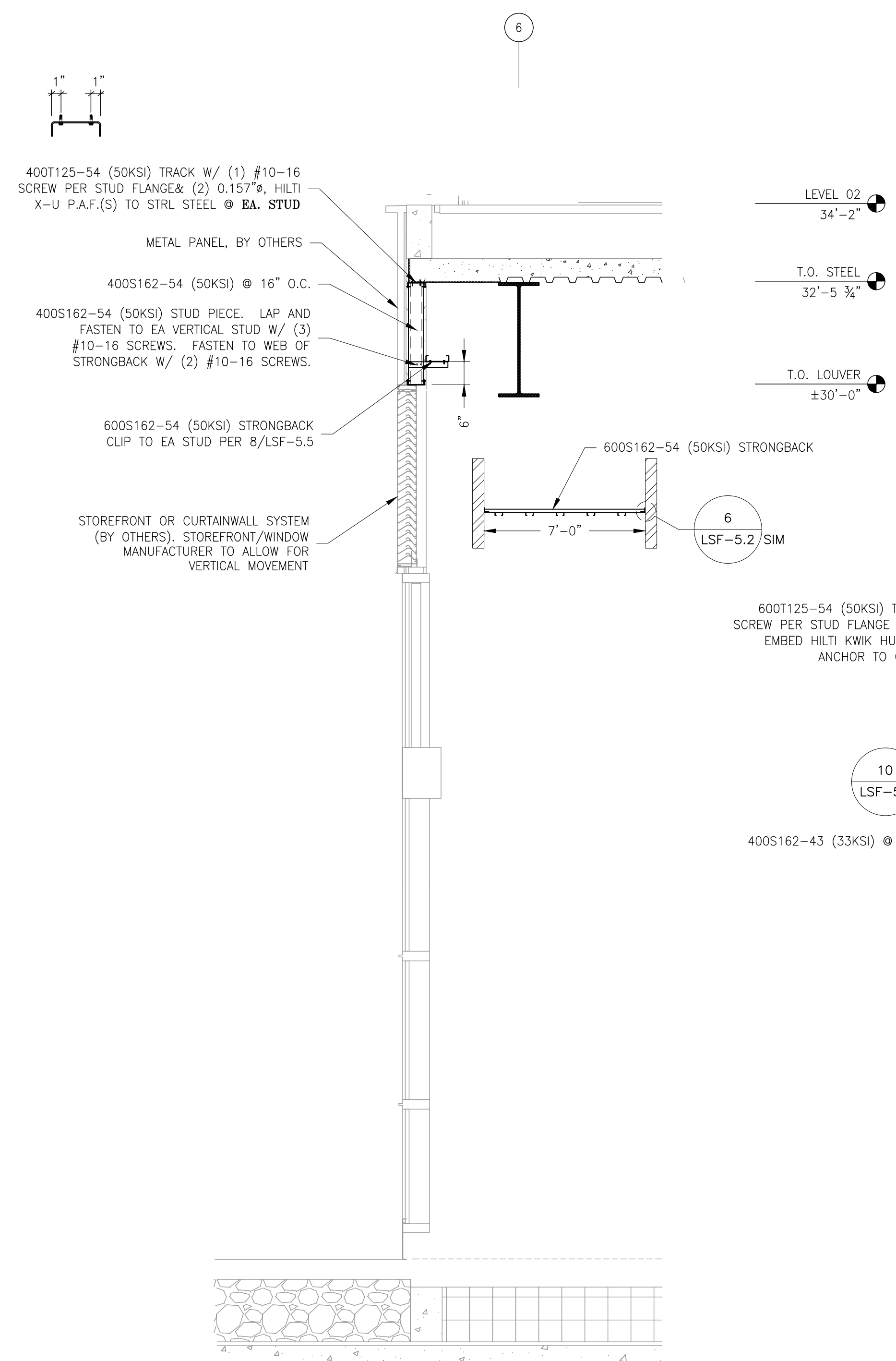
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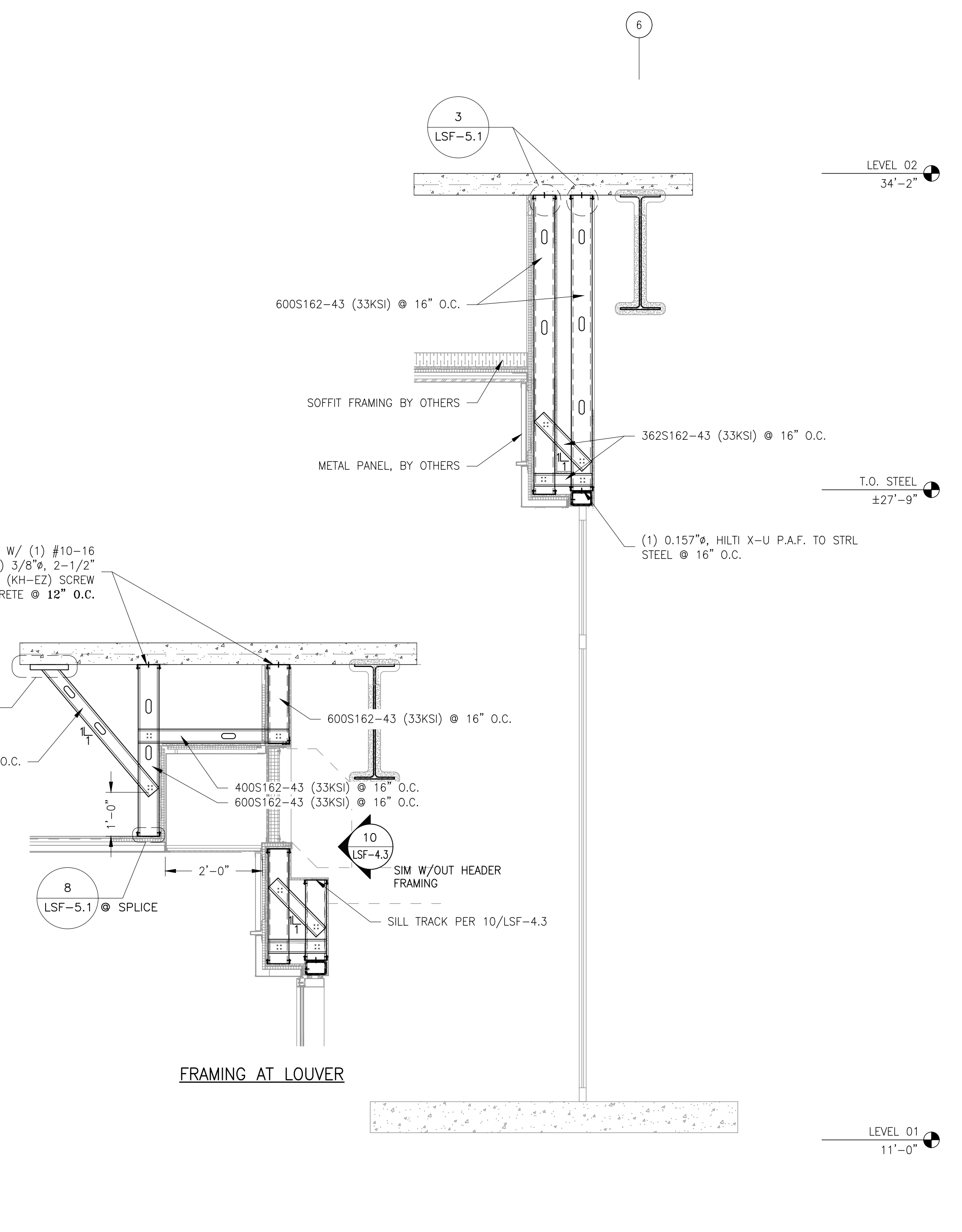
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9 WALL SECTION
REF: 5/A06.404



10 WALL SECTION
REF: 1/A06.408, 1/A6.409



11 WALL SECTION
REF: 7/A06.408, 3/A09.502, 9/A06.421

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Date: **11/15/2022**

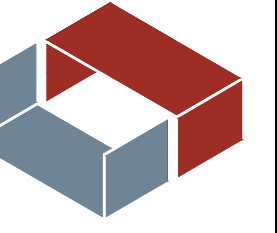
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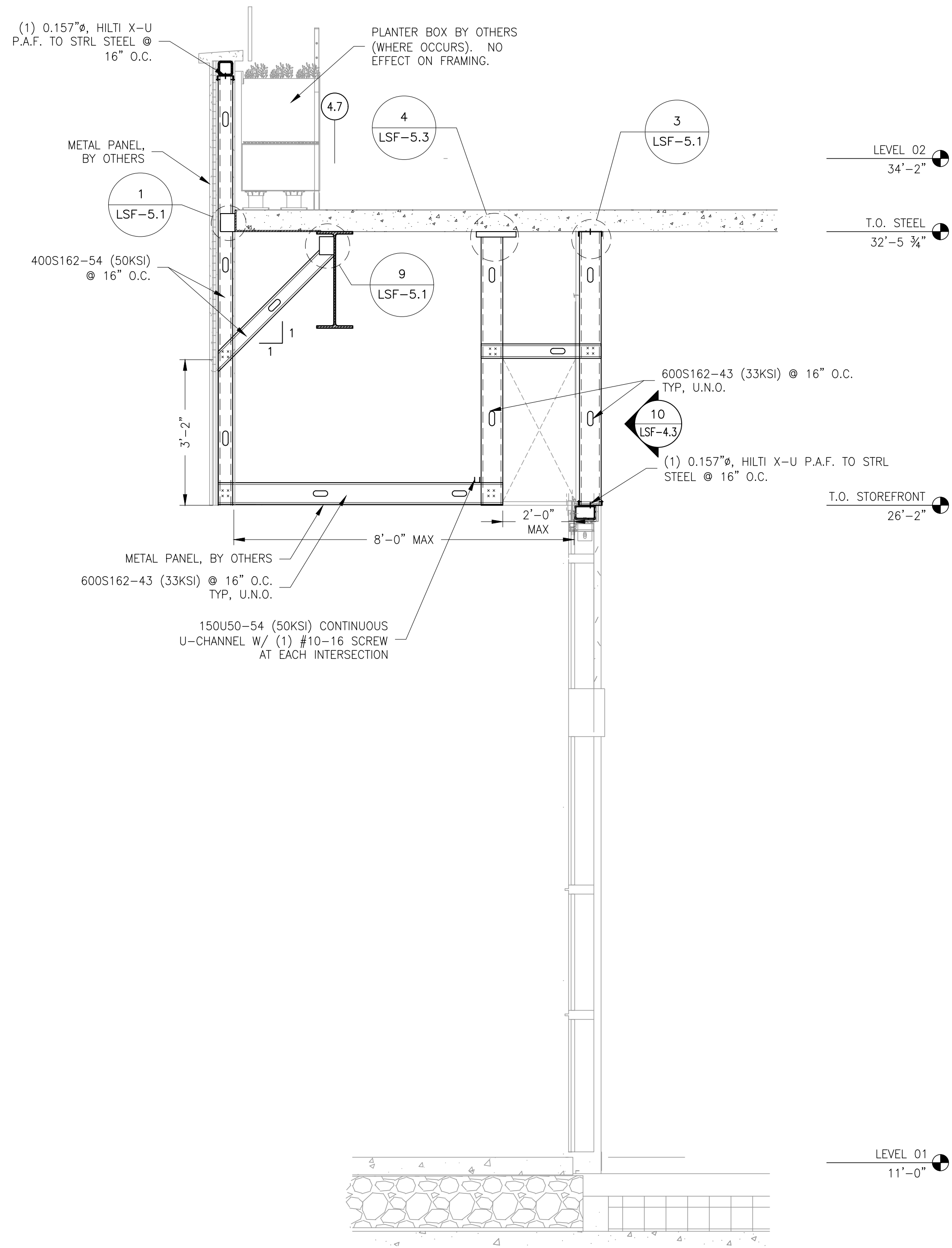
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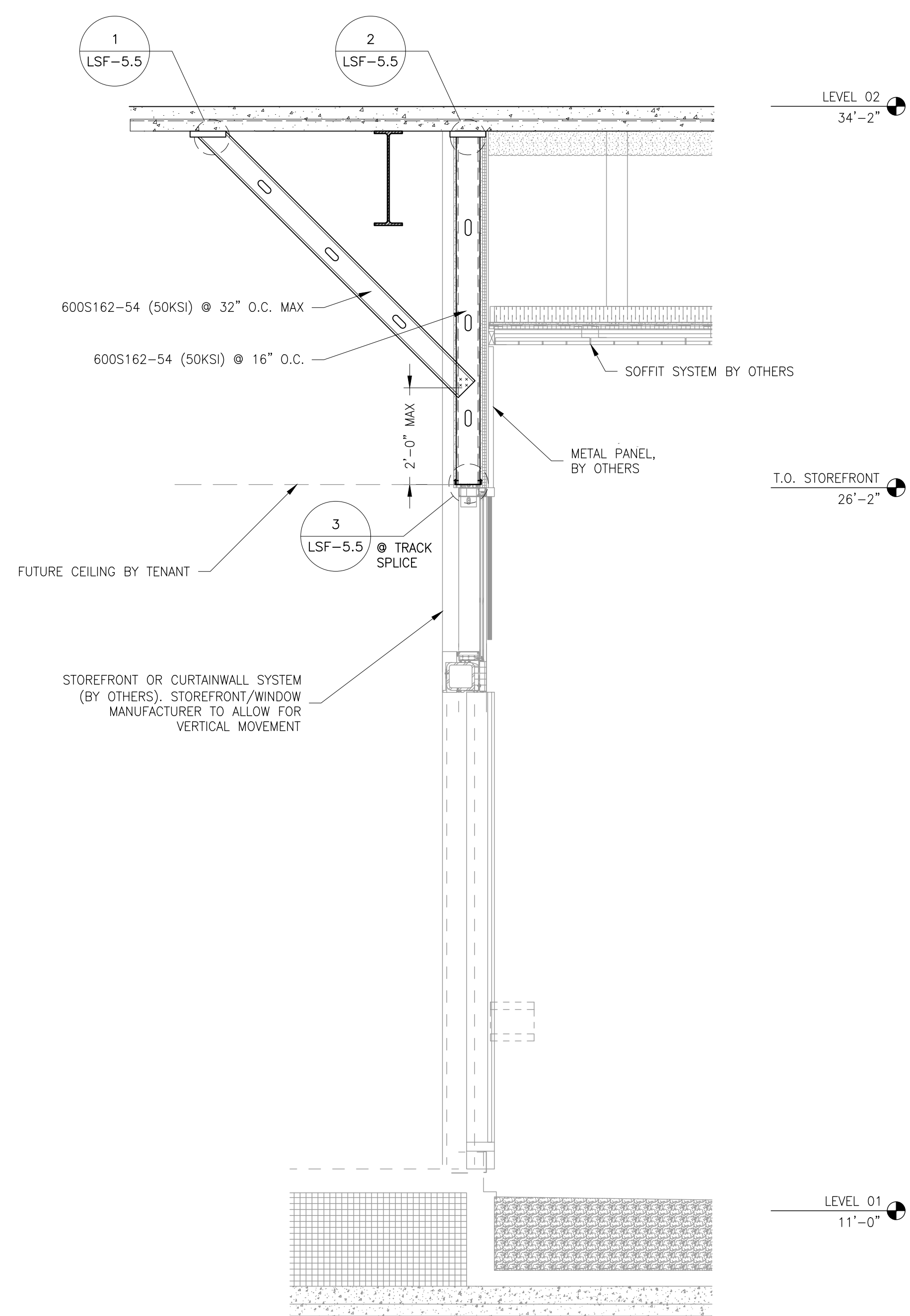
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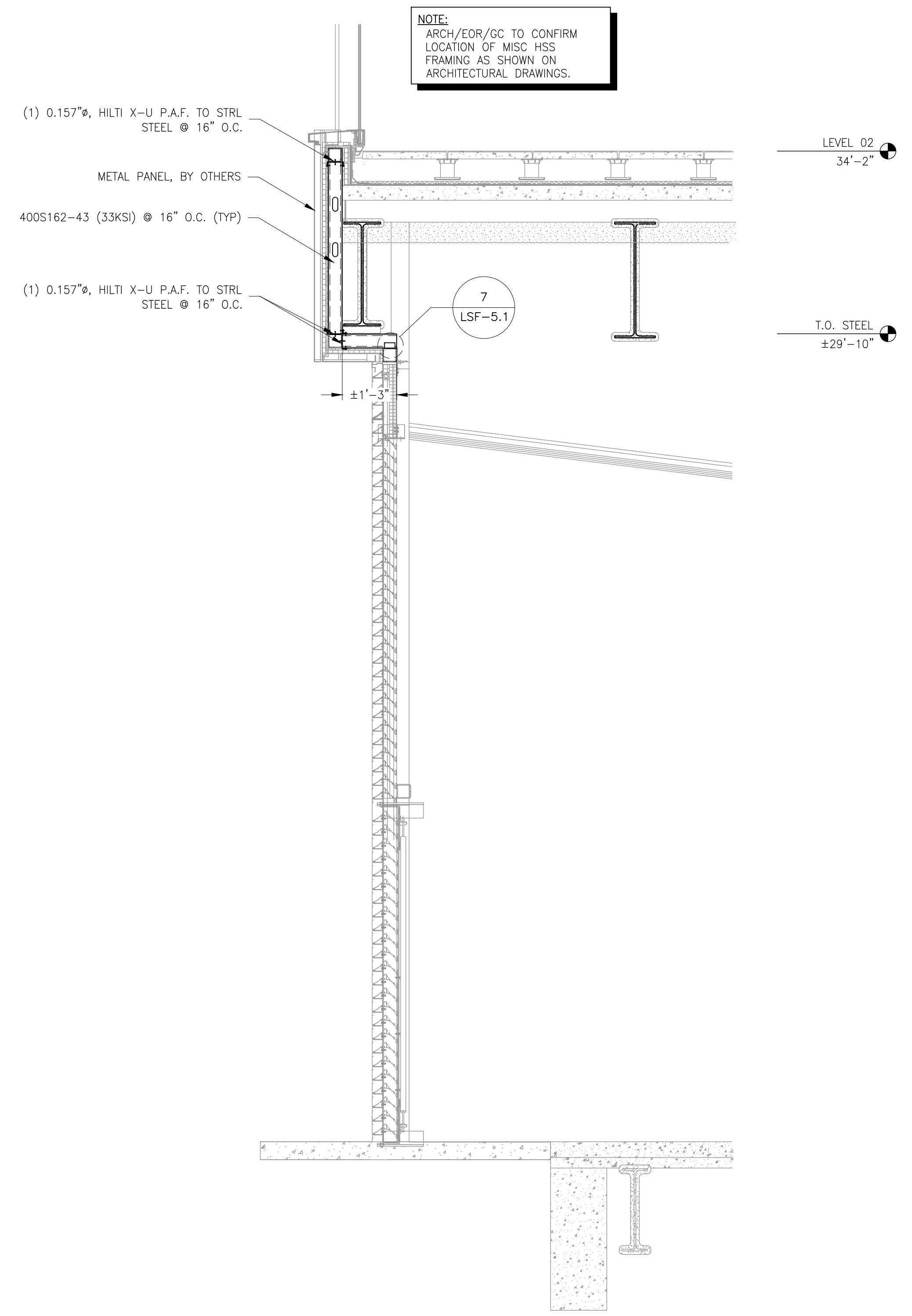
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12 WALL SECTION
REF: 6/A6.409 SIM



13 WALL SECTION
REF: 1/A09.507



14 WALL SECTION
REF: 2/A04.109

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5.	BAO	06/23/2023
6.	BAO	08/04/2023

Drawn:	Engineer:	Reviewed:
BAO	BAO	TG

Date: 11/15/2022

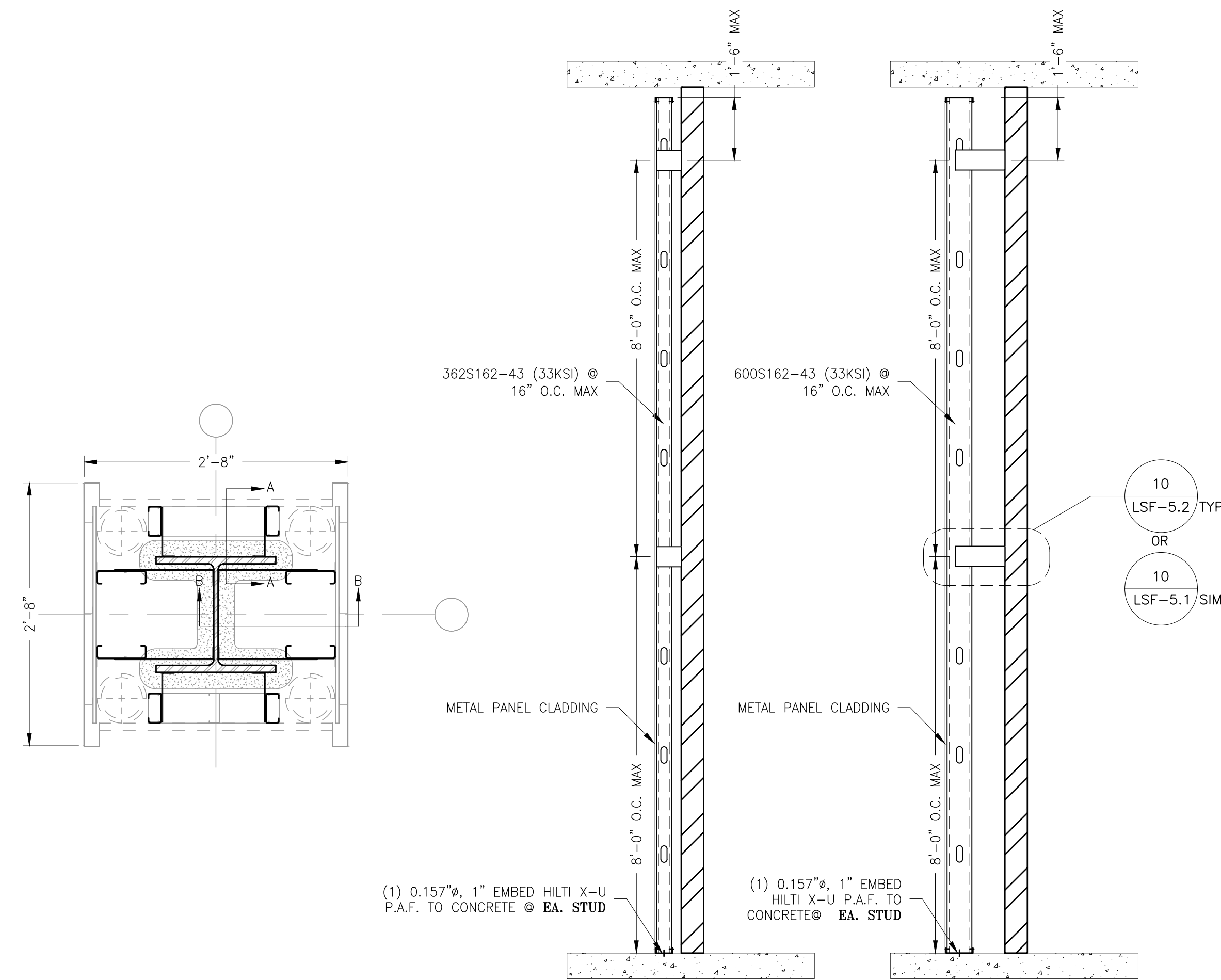
Project Number: 2150220247-1

Sheet Title: WALL SECTIONS

Sheet No. LSF-3.04

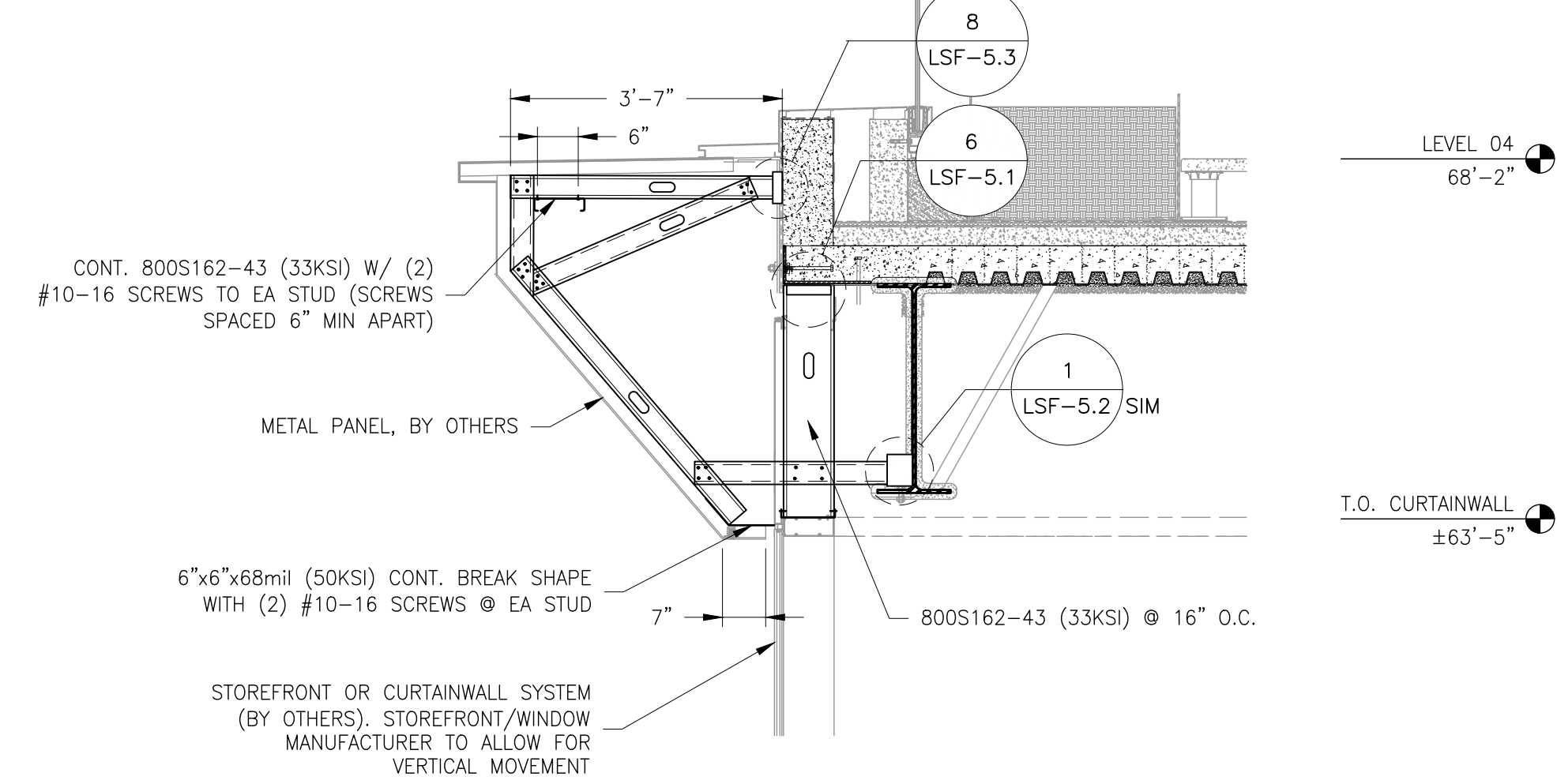
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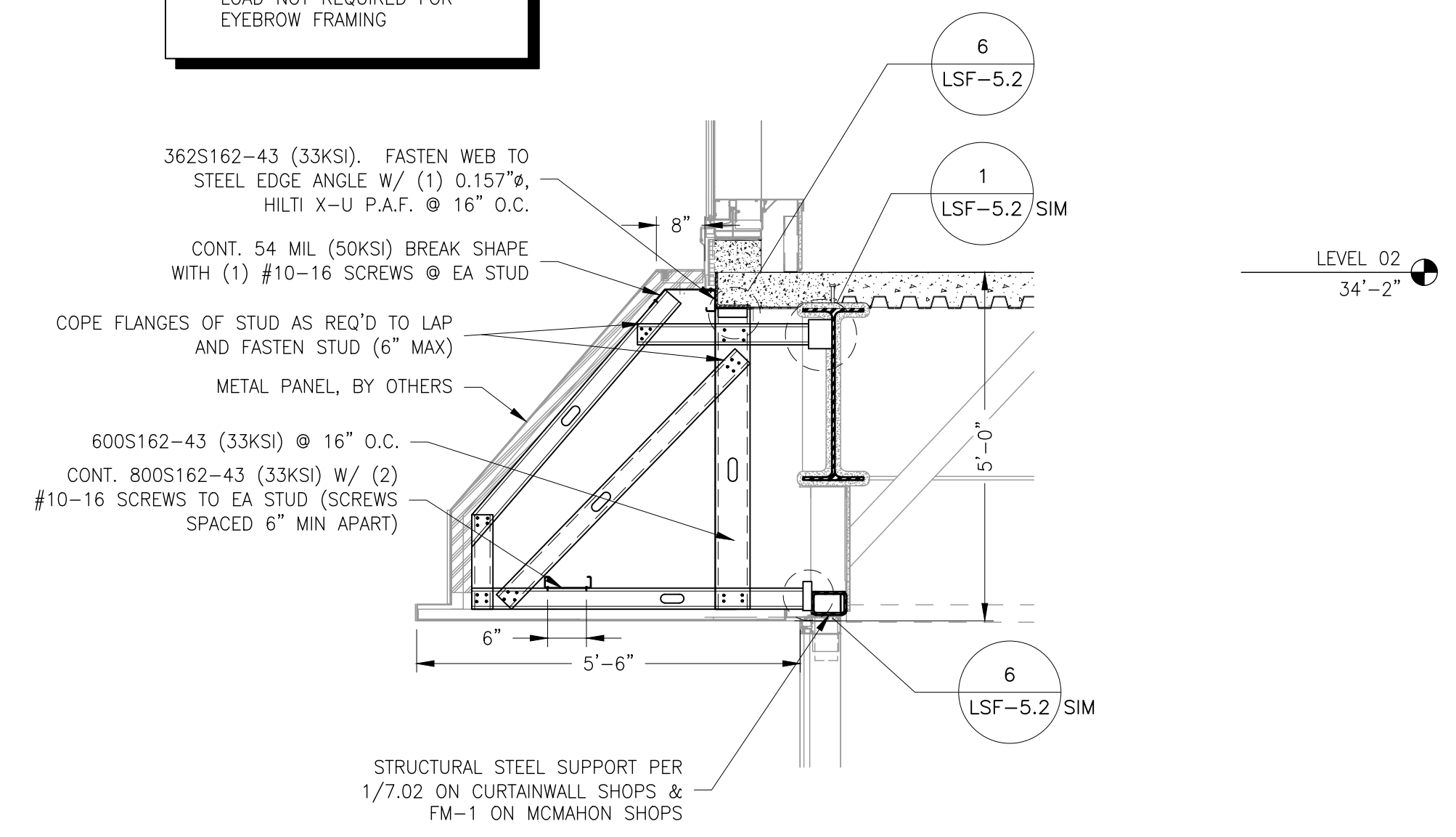
15 TYP COLUMN FRAMING
REF: 4/A09.401

SECTION 17 NOTES:
1) ALL FRAMING MEMBERS TO BE 362S162-43 (33KSI) U.N.O.
2) DESIGN ASSUMES ROOF LIVE LOAD NOT REQUIRED FOR EYEBROW FRAMING

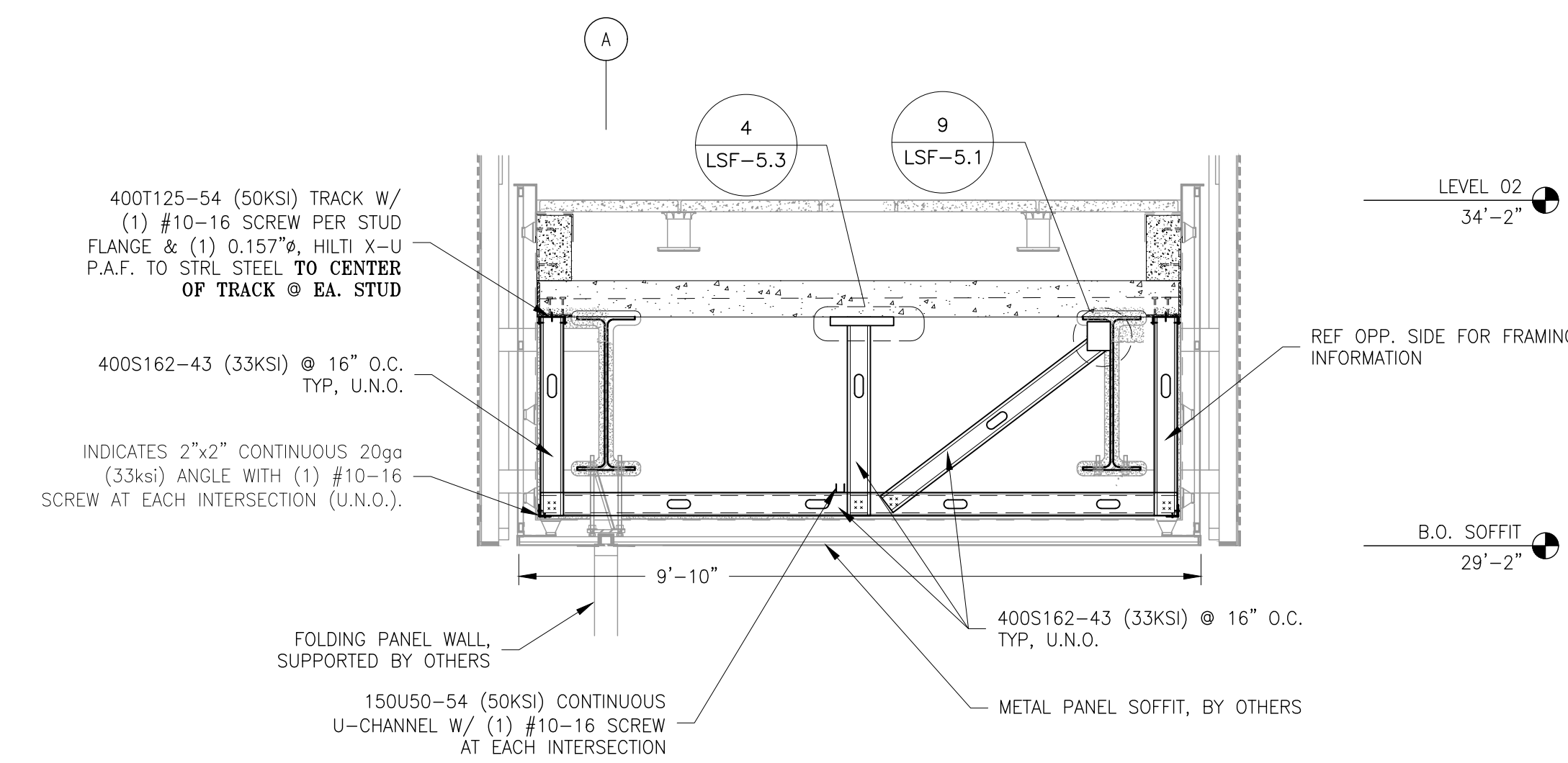


17 WALL SECTION
REF: 2/A09.513
SEE: 9/S03.335

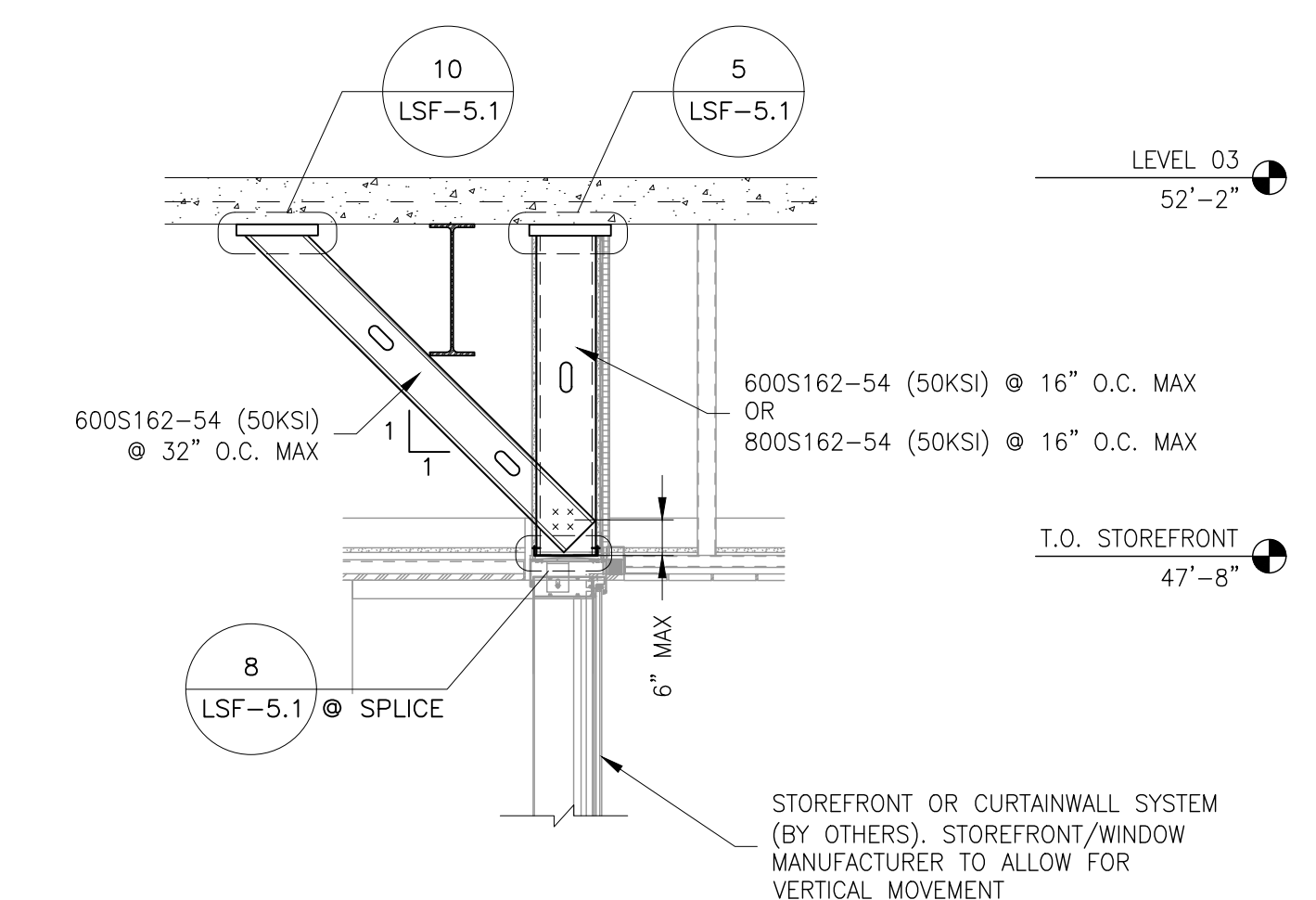
SECTION 18 NOTES:
1) ALL FRAMING MEMBERS TO BE 362S162-43 (33KSI) U.N.O.
2) DESIGN ASSUMES ROOF LIVE LOAD NOT REQUIRED FOR EYEBROW FRAMING



18 WALL SECTION
REF: 1/A09.513



16 WALL SECTION
REF: 8/A06.420, 6/A06.421
SEE: 6/S03.332



19 WALL SECTION
REF: 3/A09.504, 2/A06.406

- GENERAL NOTES:**
- 1) ^ - INDICATES LATERAL WALL BRIDGING AT 6'-0" O.C.(MAX) PER DETAIL 1/LSF-5.0 (U.N.O.).
 - 2) FOR CONNECTIONS OCCURRING AT KNOCKOUTS, SEE REINFORCEMENT DETAIL 2/LSF-5.0
 - 3) ALL TRACKS ARE TO BE 43 MIL (33KSI) W/ 1-1/4" FLANGES & W/ (1) #10-16 SCREW PER STUD FLANGE PER DETAIL 3/LSF-5.0 (U.N.O.).
 - 4) ALL DIMENSIONS AND ELEVATIONS ARE LISTED FOR REFERENCE AND ENGINEERING PURPOSES ONLY. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT DIMENSIONS AND ELEVATIONS.
 - 5) DESIGN ASSUMES METAL PANEL SYSTEM IS ATTACHED TO EVERY STUD, LOADS THE FRAMING UNIFORMLY, AND HAS NO MINIMUM THICKNESS REQUIREMENTS FOR THE FRAMING
 - 6) FASTEN ALL LAPPED CONNECTIONS W/ (4) #10-16 SCREWS U.N.O.
 - 7) CFS FRAMING AS SHOWN HAS BEEN VALUE ENGINEERED. CLADDING AND/OR STOREFRONT ATTACHMENTS MAY REQUIRE HIGHER GAUGES THAN SHOWN.

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Revisions

1	BAO	01/19/2023
2	BAO	02/22/2023
3	BAO	04/03/2023
4	BAO	05/22/2023
5	BAO	06/23/2023
6	BAO	08/04/2023

Drawn: **BAO** Engineer: **BAO** Reviewed: **TG**

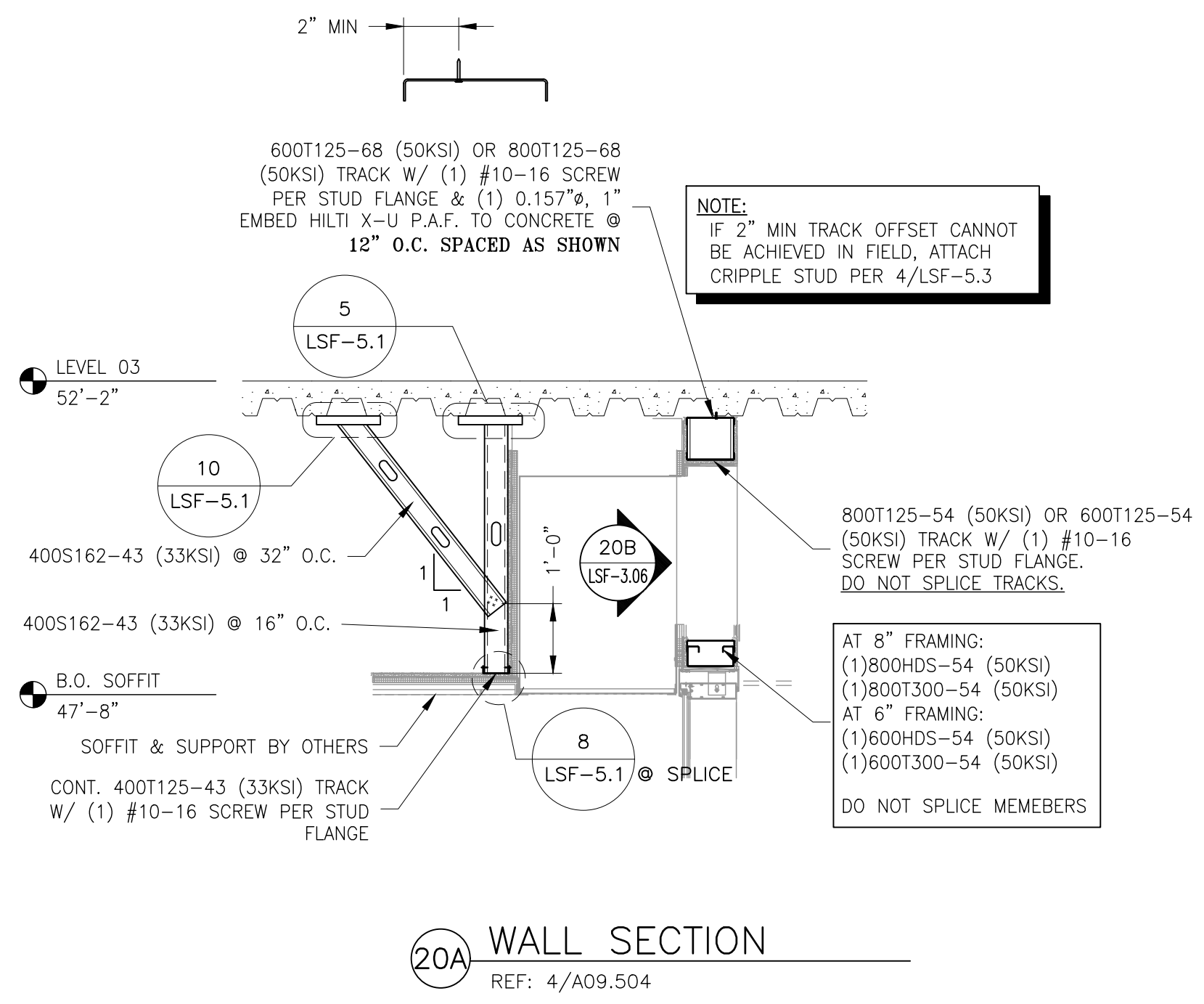
Date: **11/15/2022**

Project Number:
2150220247-1

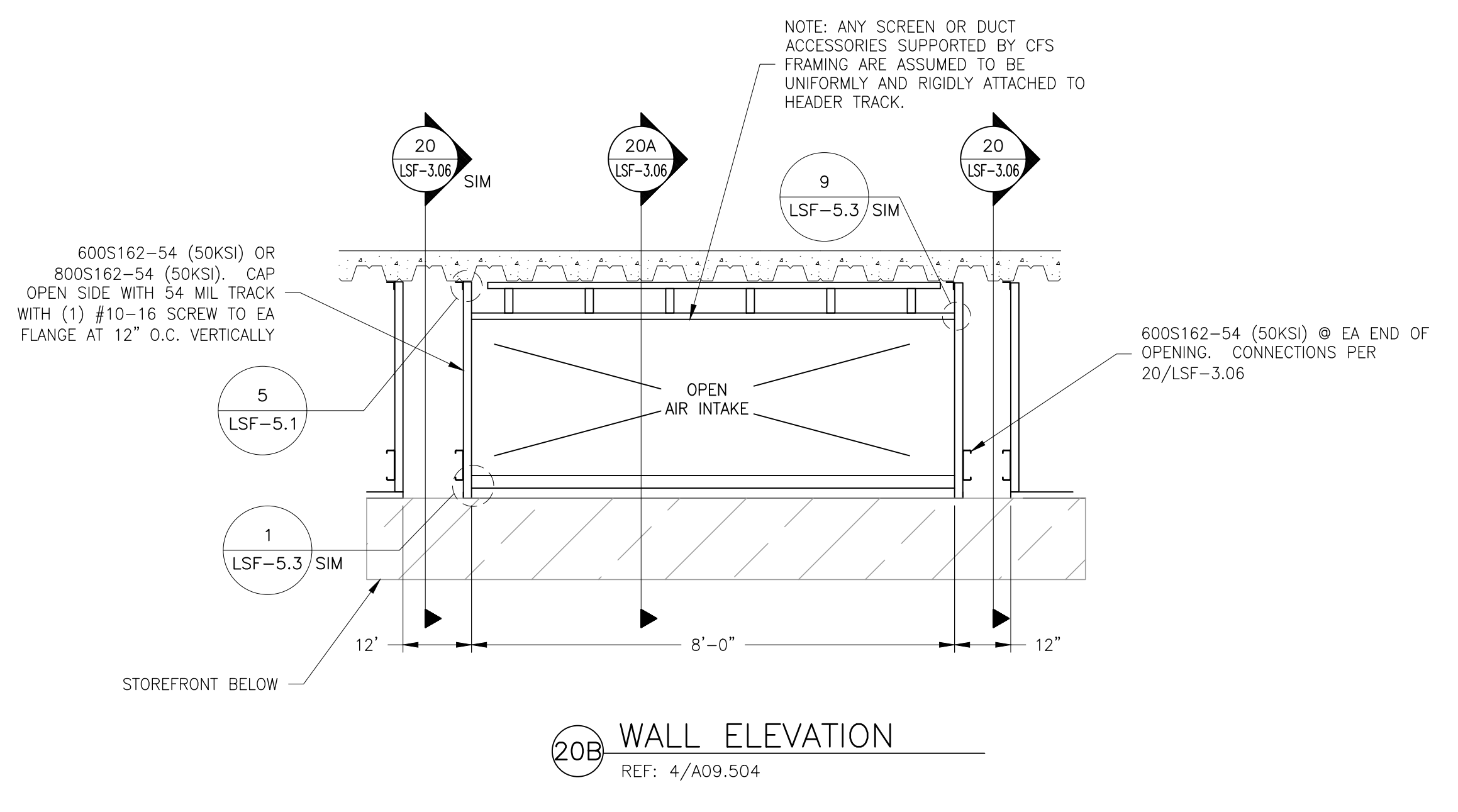
Sheet Title:
WALL SECTIONS

Sheet No.
LSF-3.05

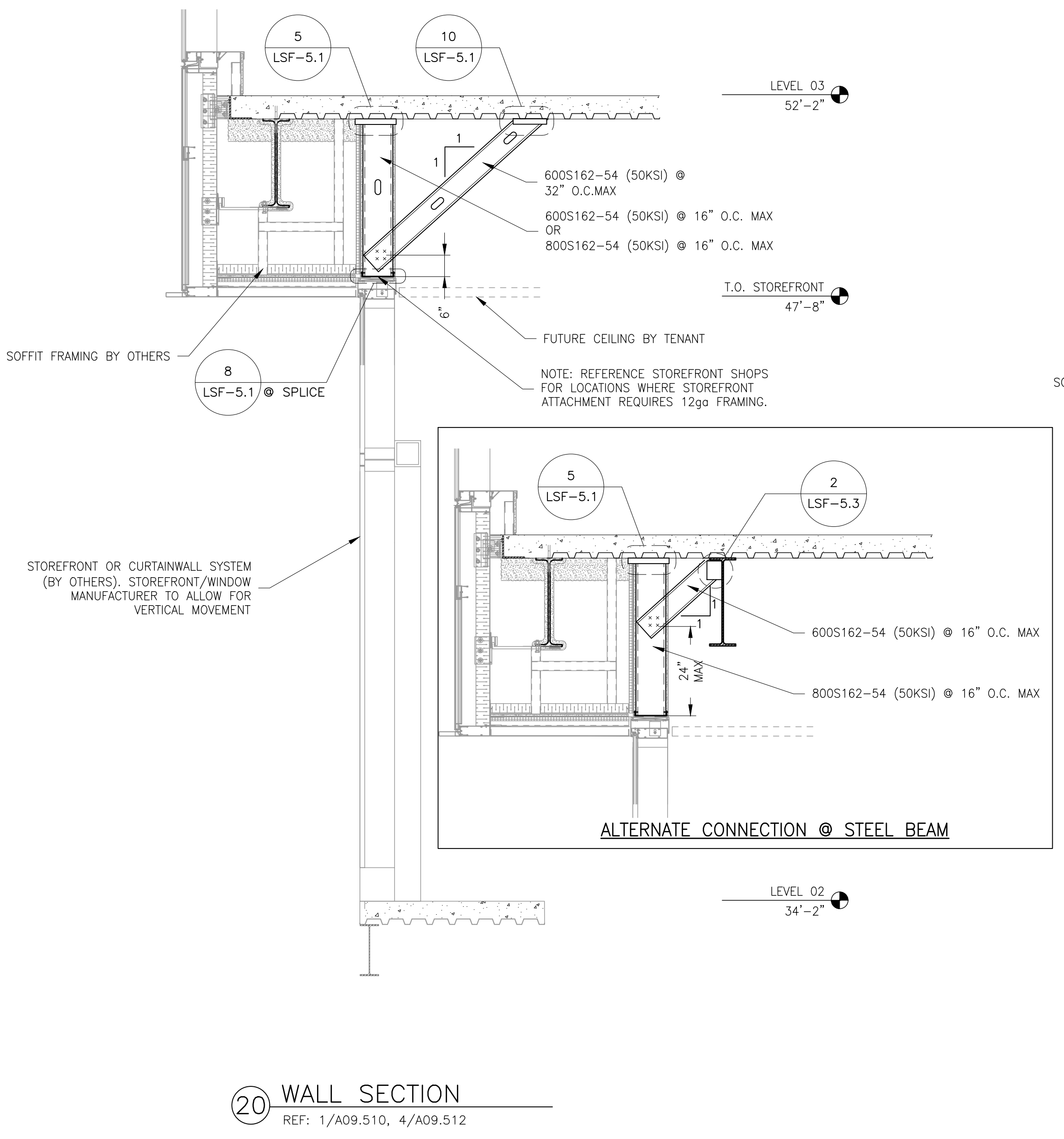
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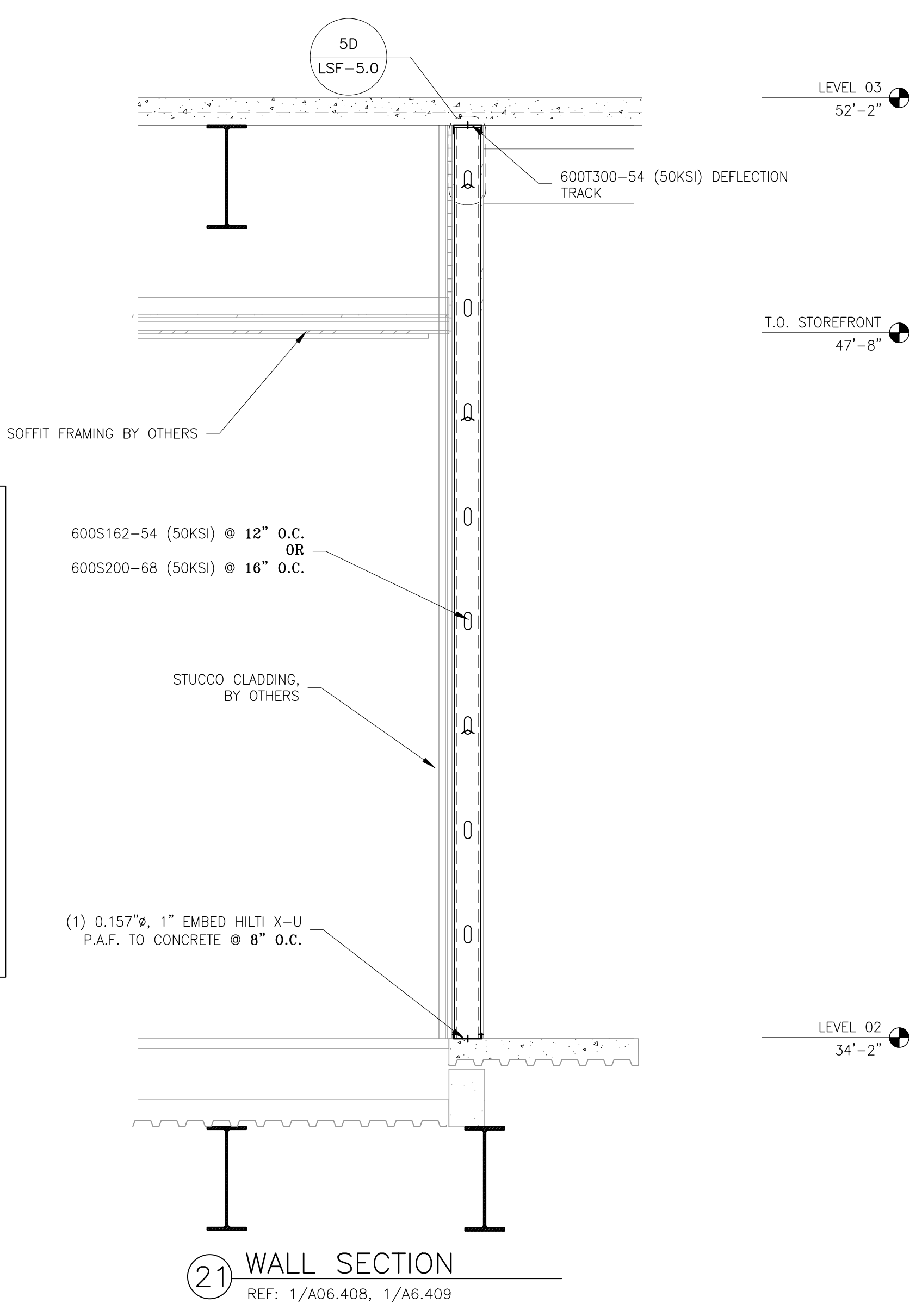
20A WALL SECTION
REF: 4/A09.504



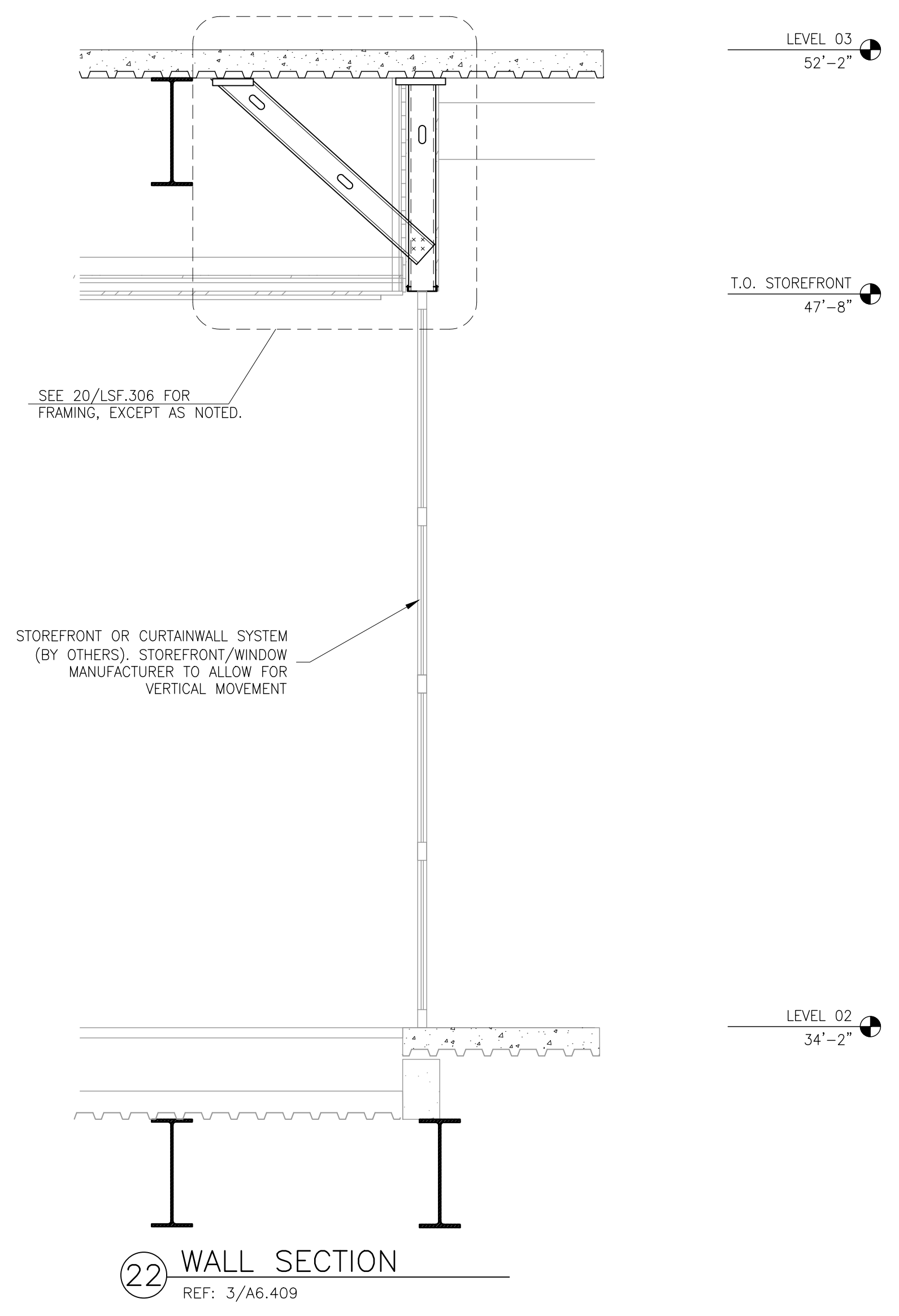
20B WALL ELEVATION
REF: 4/A09.504



20 WALL SECTION
REF: 1/A09.510, 4/A09.512



21 WALL SECTION
REF: 1/A06.408, 1/A6.409



22 WALL SECTION
REF: 3/A6.409

- GENERAL NOTES:**
- 1) ^ - INDICATES LATERAL WALL BRIDGING AT 6'-0" O.C.(MAX) PER DETAIL 1/LSF-5.0 (U.N.O.).
 - 2) FOR CONNECTIONS OCCURRING AT KNOCKOUTS, SEE REINFORCEMENT DETAIL 2/LSF-5.0
 - 3) ALL TRACKS ARE TO BE 43 MIL (33KSI) W/ 1-1/4" FLANGES & W/ (1) #10-16 SCREW PER STUD FLANGE PER DETAIL 3/LSF-5.0 (U.N.O.).
 - 4) ALL DIMENSIONS AND ELEVATIONS ARE LISTED FOR REFERENCE AND ENGINEERING PURPOSES ONLY. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT DIMENSIONS AND ELEVATIONS.
 - 5) DESIGN ASSUMES METAL PANEL SYSTEM IS ATTACHED TO EVERY STUD, LOADS THE FRAMING UNIFORMLY, AND HAS NO MINIMUM THICKNESS REQUIREMENTS FOR THE FRAMING
 - 6) FASTEN ALL LAPPED CONNECTIONS W/ (4) #10-16 SCREWS U.N.O.
 - 7) CFS FRAMING AS SHOWN HAS BEEN VALUE ENGINEERED. CLADDING AND/OR STOREFRONT ATTACHMENTS MAY REQUIRE HIGHER GAUGES THAN SHOWN.

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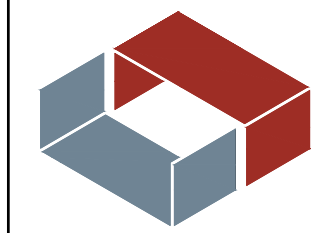
Revisions	Rev.	BAO	Date
1	BAO	01/19/2023	
2	BAO	02/22/2023	
3	BAO	04/03/2023	
4	BAO	05/22/2023	
5	BAO	06/23/2023	
6	BAO	08/04/2023	

Drawn:	Engineer:	Reviewed:
BAO	BAO	TG
Date:	11/15/2022	
Project Number:	2150220247-1	
Sheet Title:	WALL SECTIONS	
Sheet No.	LSF-3.06	

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GENERAL NOTES:

- 1) ^ - INDICATES LATERAL WALL BRIDGING AT 6'-0" O.C.(MAX) PER DETAIL 1/LSF-5.0 (U.N.O.).
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Revisions		
1	BAO	01/19/2023
2	BAO	02/22/2023
3	BAO	04/03/2023
4	BAO	05/22/2023
5	BAO	06/23/2023
6	BAO	08/04/2023

Drawn:	Engineer:	Reviewed:
BAO	BAO	TG

Date:
11/15/2022

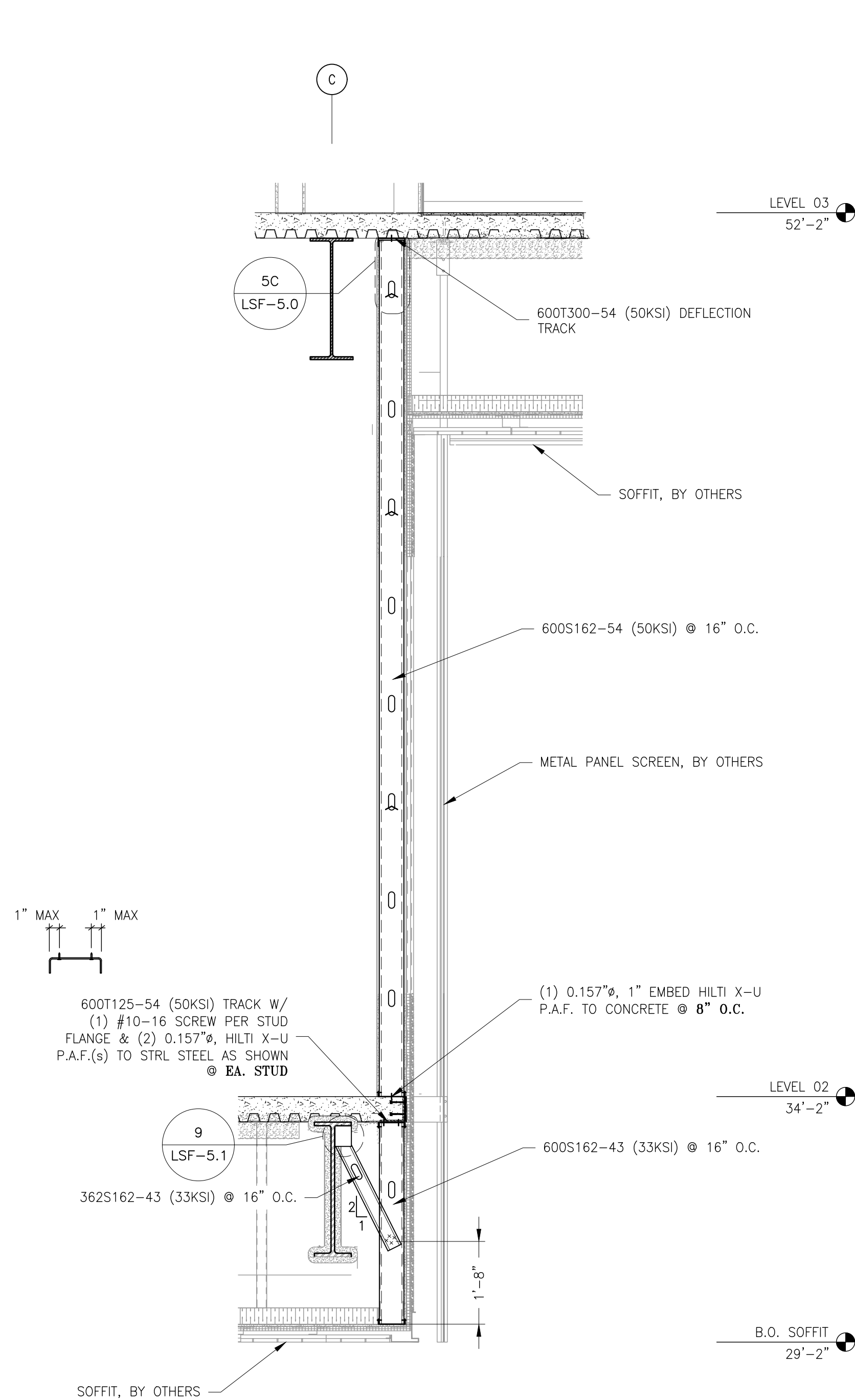
Project Number:
2150220247-1

Sheet Title:
WALL SECTIONS

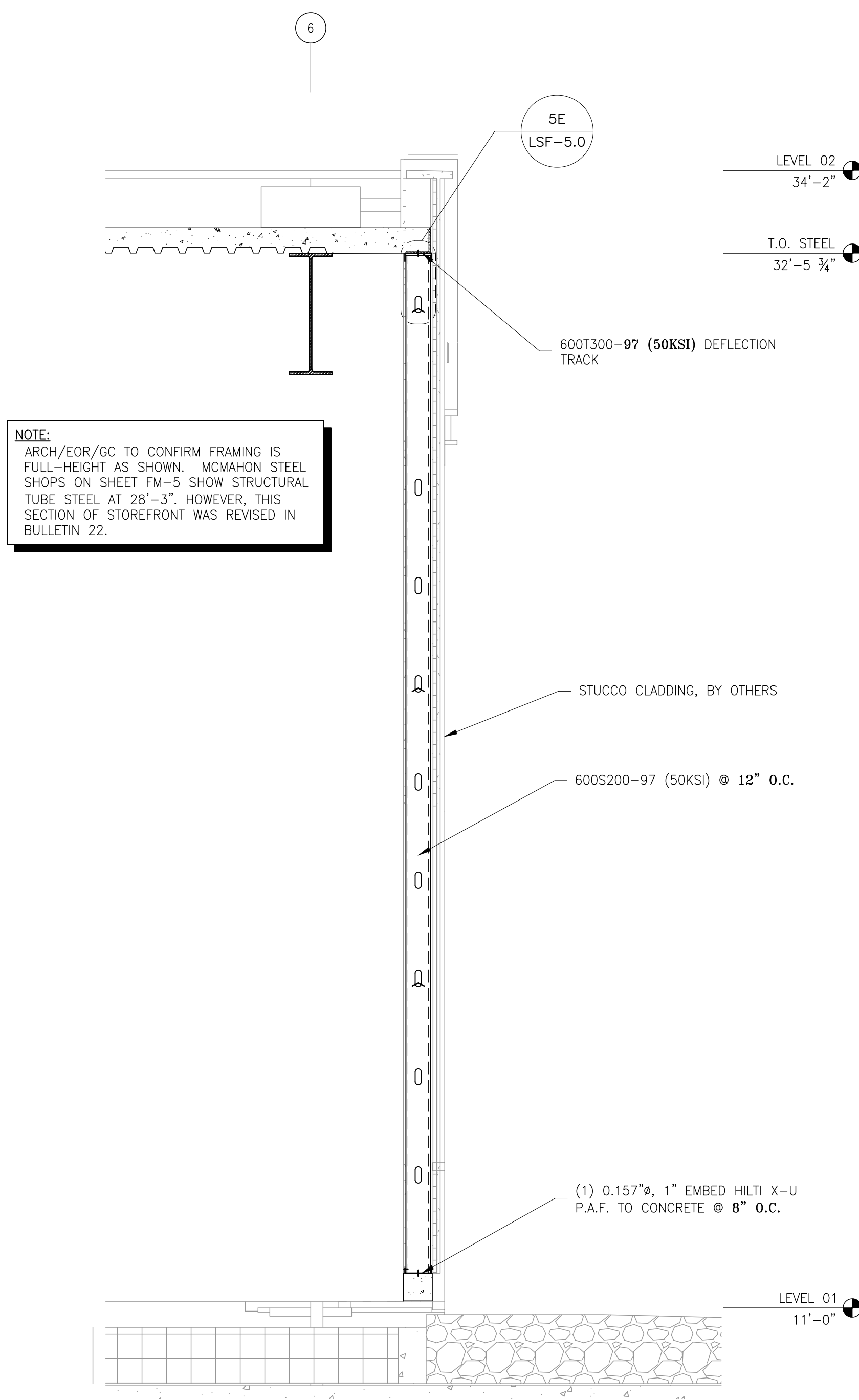
Sheet No.
LSF-3.07

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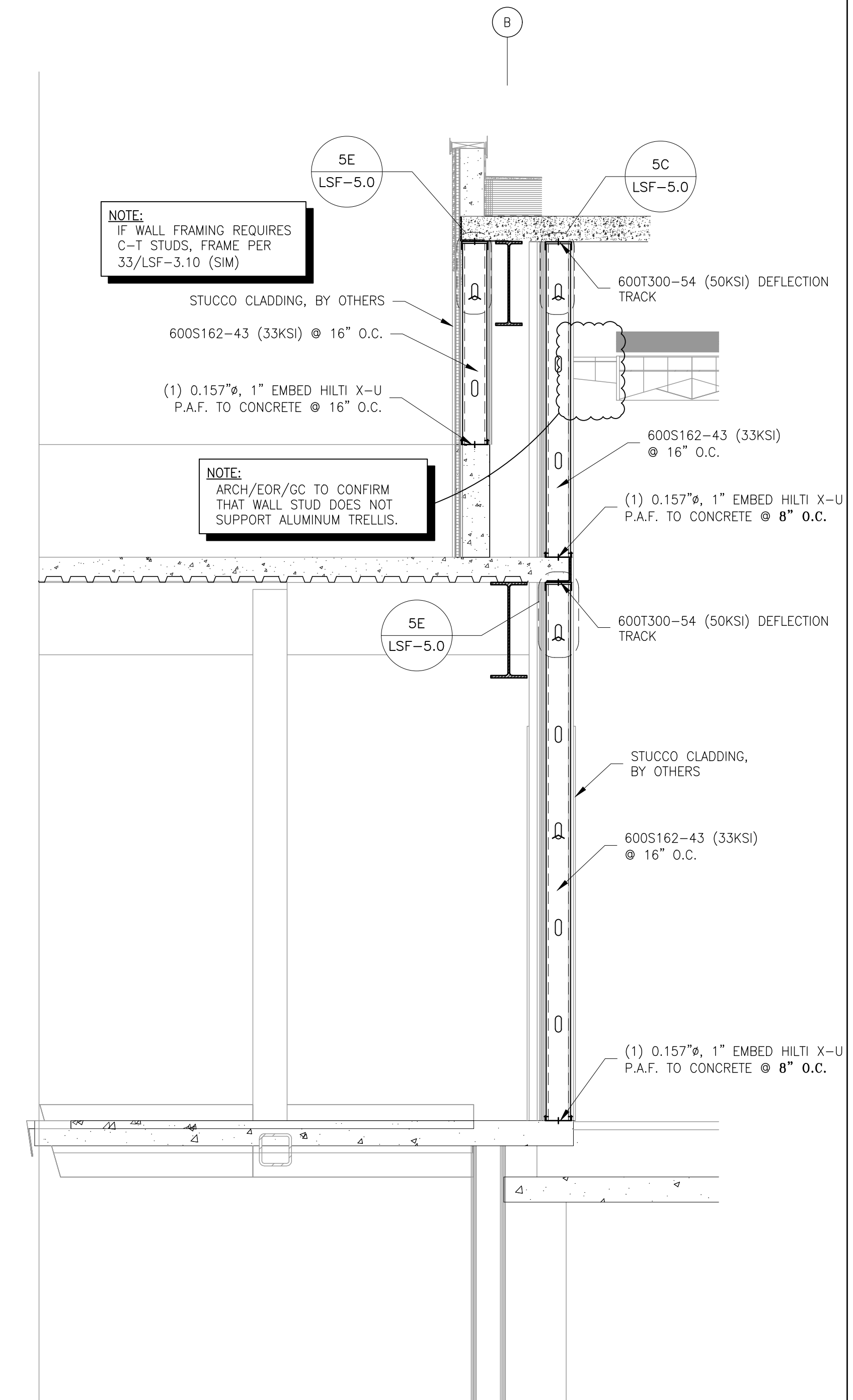
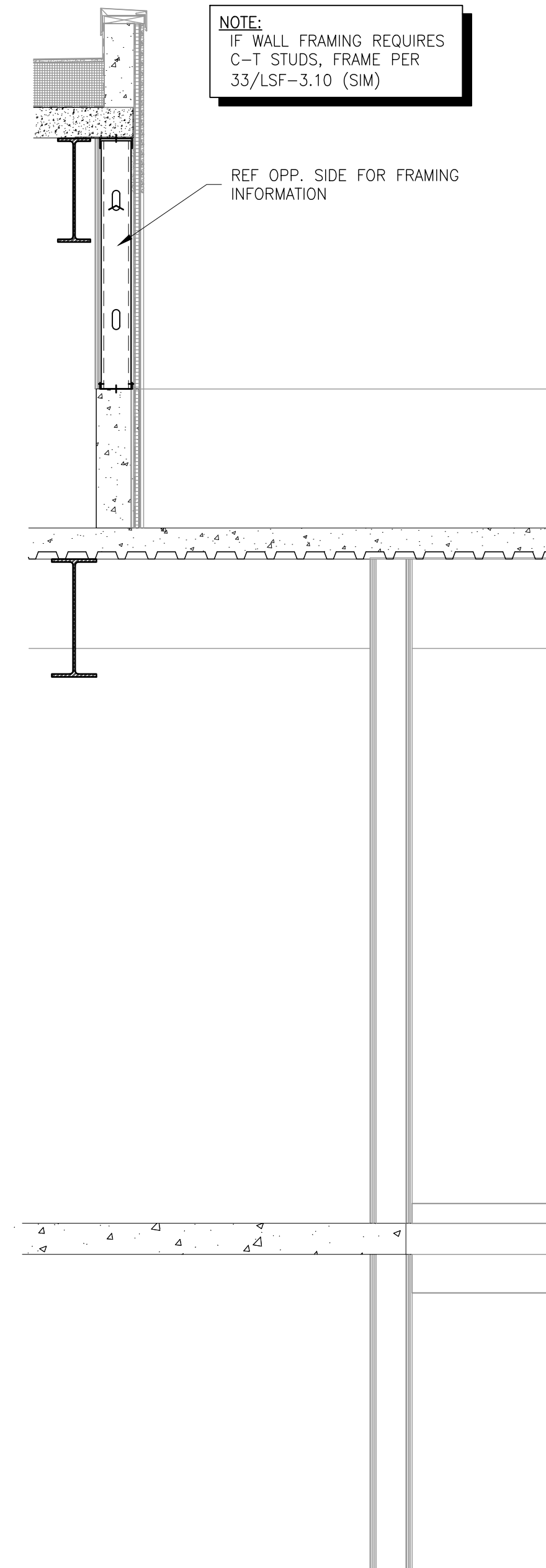
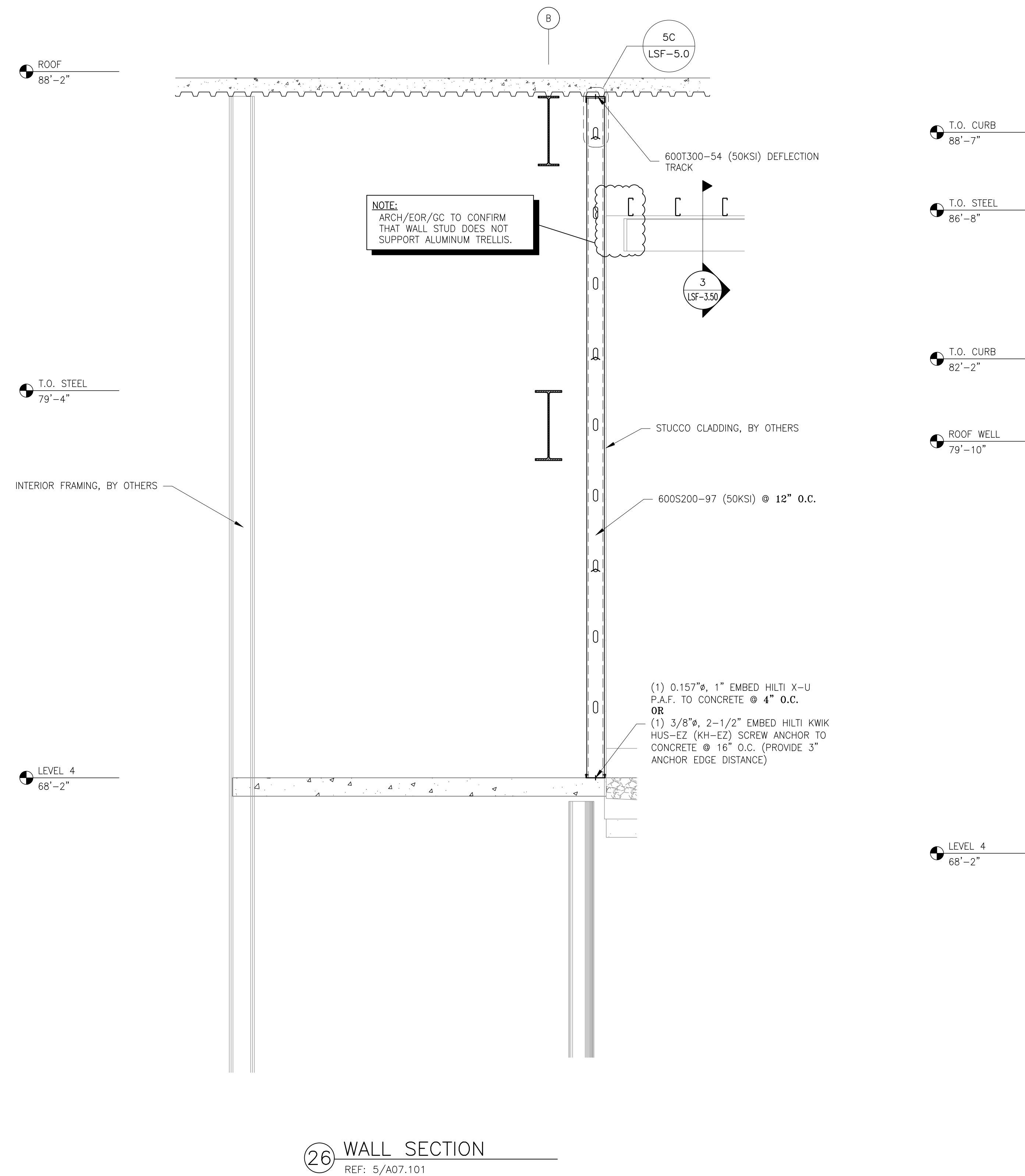
23 WALL SECTION
REF: 5&6/A09.504



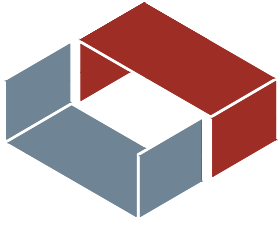
24 WALL SECTION
REF: 3/A06.409

25 NOT USED

NOTE:
ARCH/EOR/GC TO CONFIRM FRAMING IS FULL-HEIGHT AS SHOWN. MCMAHON STEEL SHOPS ON SHEET FM-5 SHOW STRUCTURAL TUBE STEEL AT 28'-3". HOWEVER, THIS SECTION OF STOREFRONT WAS REVISED IN BULLETIN 22.



- GENERAL NOTES:**
- 1) ^ - INDICATES LATERAL WALL BRIDGING AT 6'-0" O.C.(MAX) PER DETAIL 1/LSF-5.0 (U.N.O.).
 - 2) FOR CONNECTIONS OCCURRING AT KNOCKOUTS, SEE REINFORCEMENT DETAIL 2/LSF-5.0
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 - 7) CFS FRAMING AS SHOWN HAS BEEN VALUE ENGINEERED. CLADDING AND/OR STOREFRONT ATTACHMENTS MAY REQUIRE HIGHER GAUGES THAN SHOWN.


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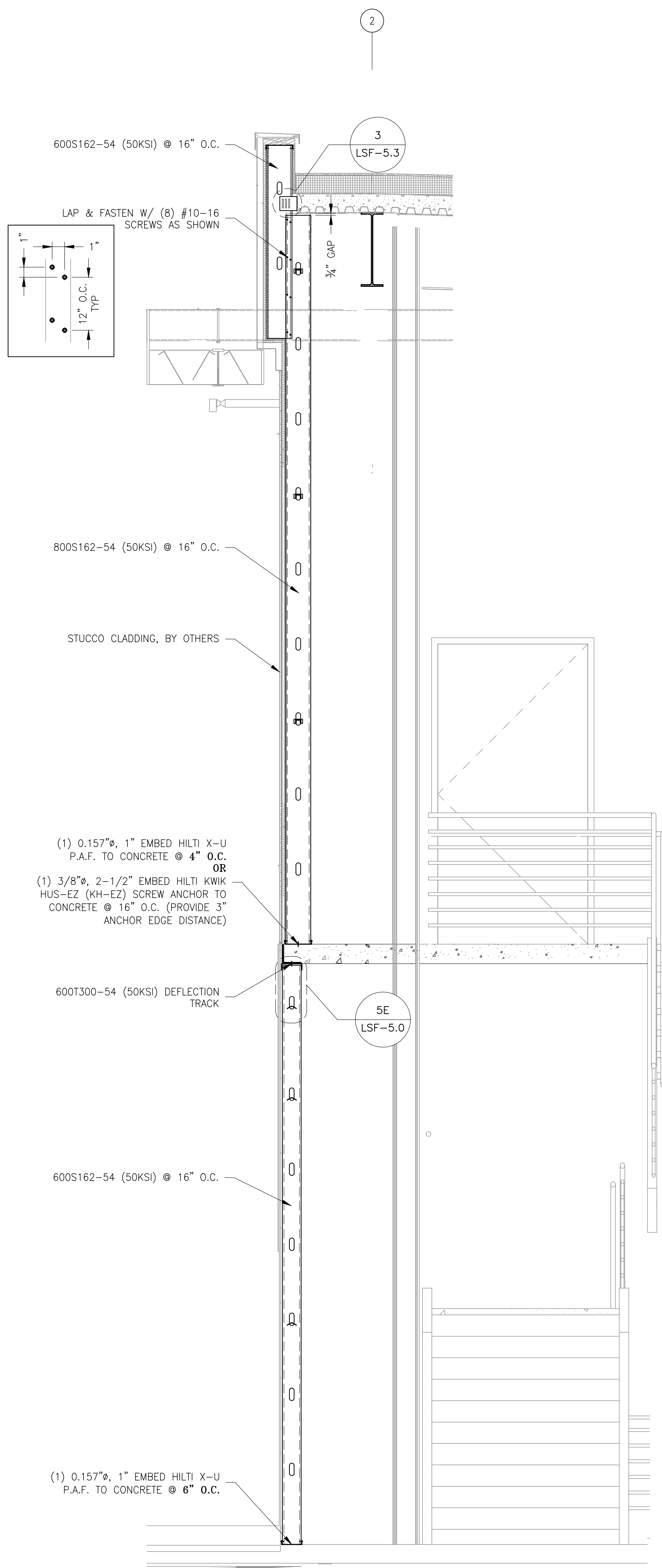
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 john.maxim@clarkdietrich.com

Revisions

1.	BAO	01/19/2023
2.	BAO	02/22/2023
3.	BAO	04/03/2023
4.	BAO	05/22/2023
5.	BAO	06/23/2023
6.	BAO	08/04/2023

Drawn: BAO Engineer: BAO Reviewed: TG
 Date: 11/15/2022
 Project Number: 2150220247-1
 Sheet Title: WALL SECTIONS
 Sheet No. LSF-3.08
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28 WALL SECTION
 REF: 6/A07.101, 17/A09.519
 SEE: 4/S03.335

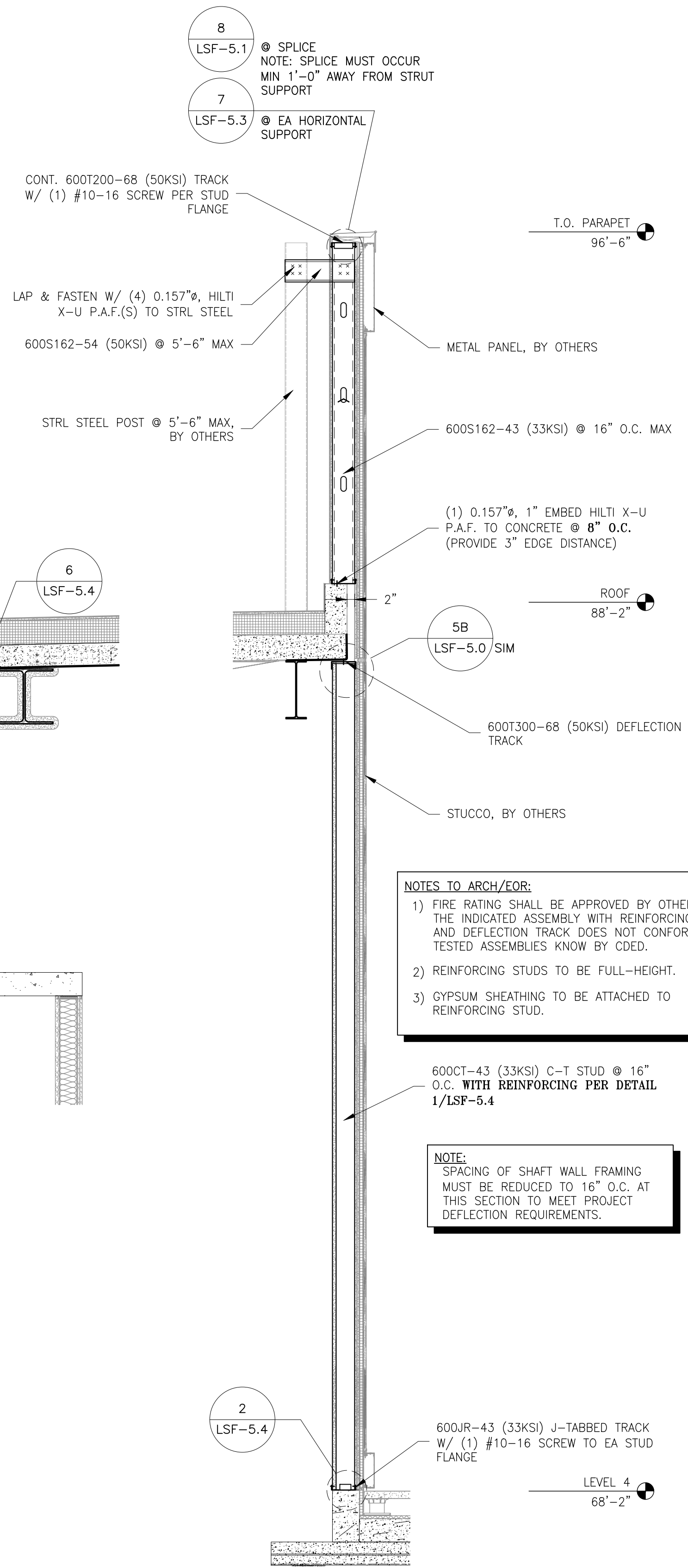
T.O. ROOF
88'-2"

T.O. STOREFRONT
83'-6"

LEVEL 4
68'-2"

LEVEL 3
52'-2"

ROOF WELL
79'-10"



29A WALL SECTION
 REF: 1&2/A09.516

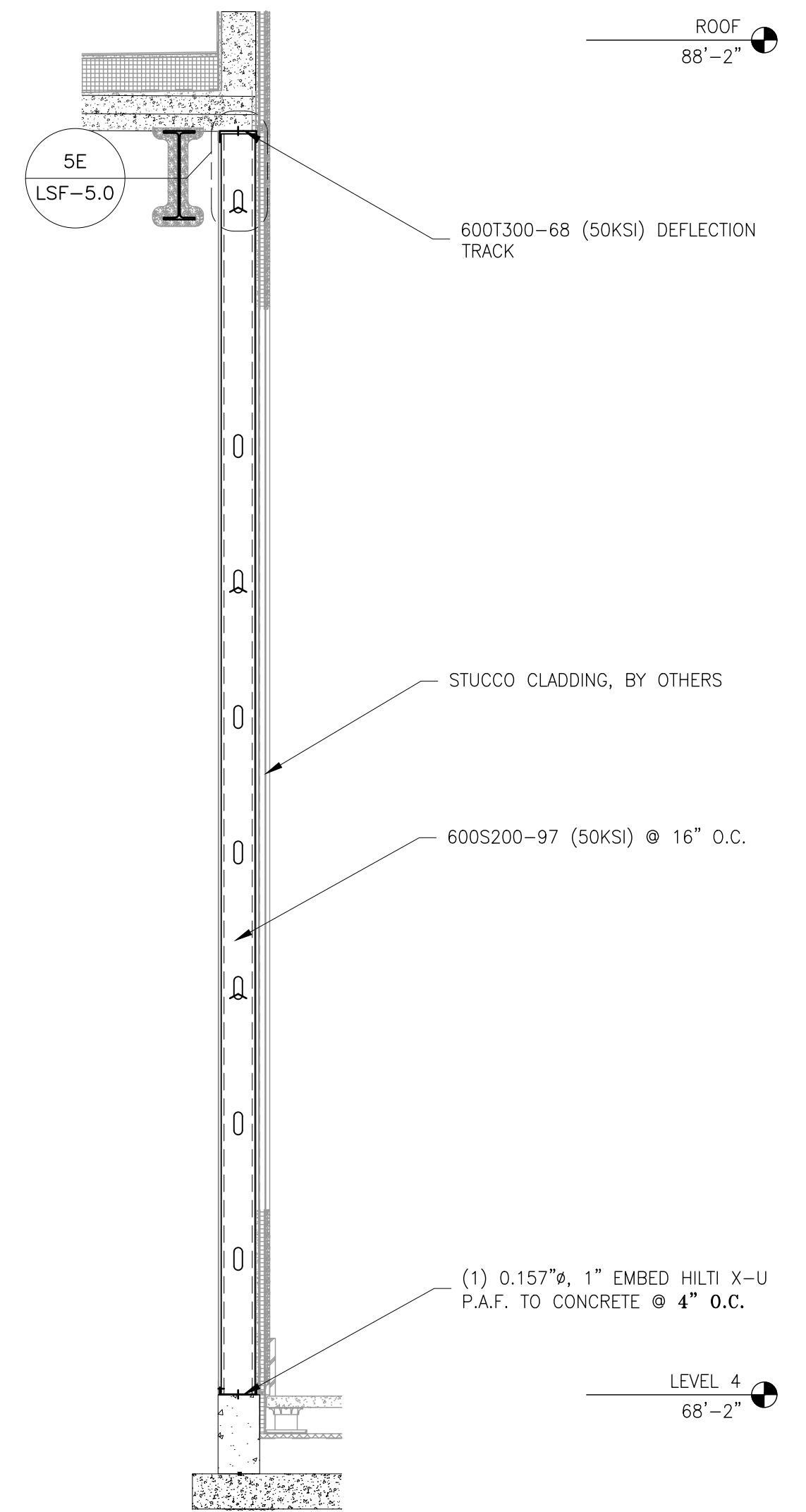
T.O. PARAPET
96'-6"

ROOF
88'-2"

LEVEL 4
68'-2"

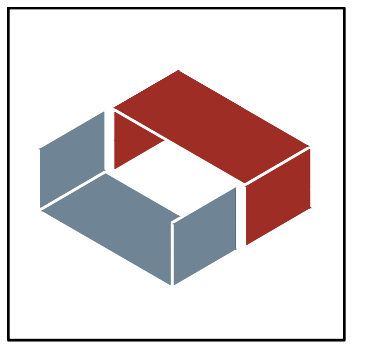
NOTES TO ARCH/EOR:
 1) FIRE RATING SHALL BE APPROVED BY OTHERS AS THE INDICATED ASSEMBLY WITH REINFORCING STUDS AND DEFLECTION TRACK DOES NOT CONFORM TO TESTED ASSEMBLIES KNOWN BY CDED.
 2) REINFORCING STUDS TO BE FULL-HEIGHT.
 3) GYPSUM SHEATHING TO BE ATTACHED TO REINFORCING STUD.

NOTE:
 SPACING OF SHAFT WALL FRAMING MUST BE REDUCED TO 16" O.C. AT THIS SECTION TO MEET PROJECT DEFLECTION REQUIREMENTS.



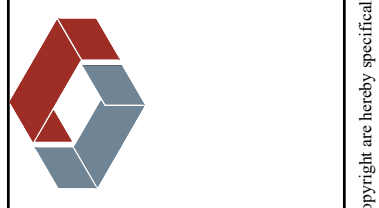
29B WALL SECTION
 REF: 1&2/A09.516

- GENERAL NOTES:**
- 1) ^ - INDICATES LATERAL WALL BRIDGING AT 6'-0" O.C.(MAX) PER DETAIL 1/LSF-5.0 (U.N.O.).
 - 2) FOR CONNECTIONS OCCURRING AT KNOCKOUTS, SEE REINFORCEMENT DETAIL 2/LSF-5.0
 - 3) ALL TRACKS ARE TO BE 43 MIL (33KSI) W/ 1-1/4" FLANGES & W/ (1) #10-16 SCREW PER STUD FLANGE PER DETAIL 3/LSF-5.0 (U.N.O.).
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Revisions

Rev	By	Date
1	BAO	01/19/2023
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6	BAO	08/04/2023

Drawn: BAO
 Engineer: BAO
 Reviewed: TG

Date:
11/15/2022

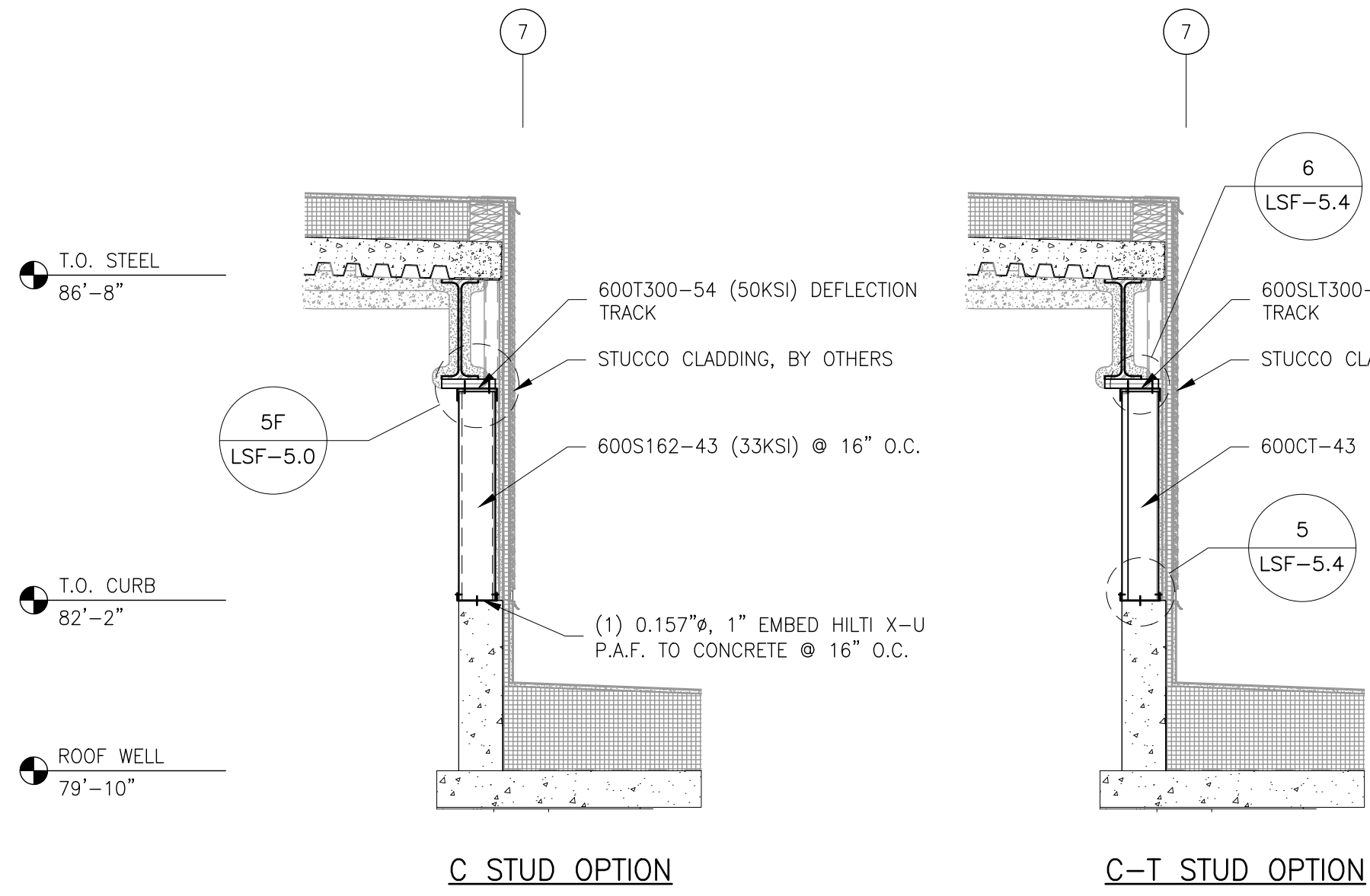
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2150220247-1

Sheet Title:
WALL SECTIONS

Sheet No.
LSF-3.09

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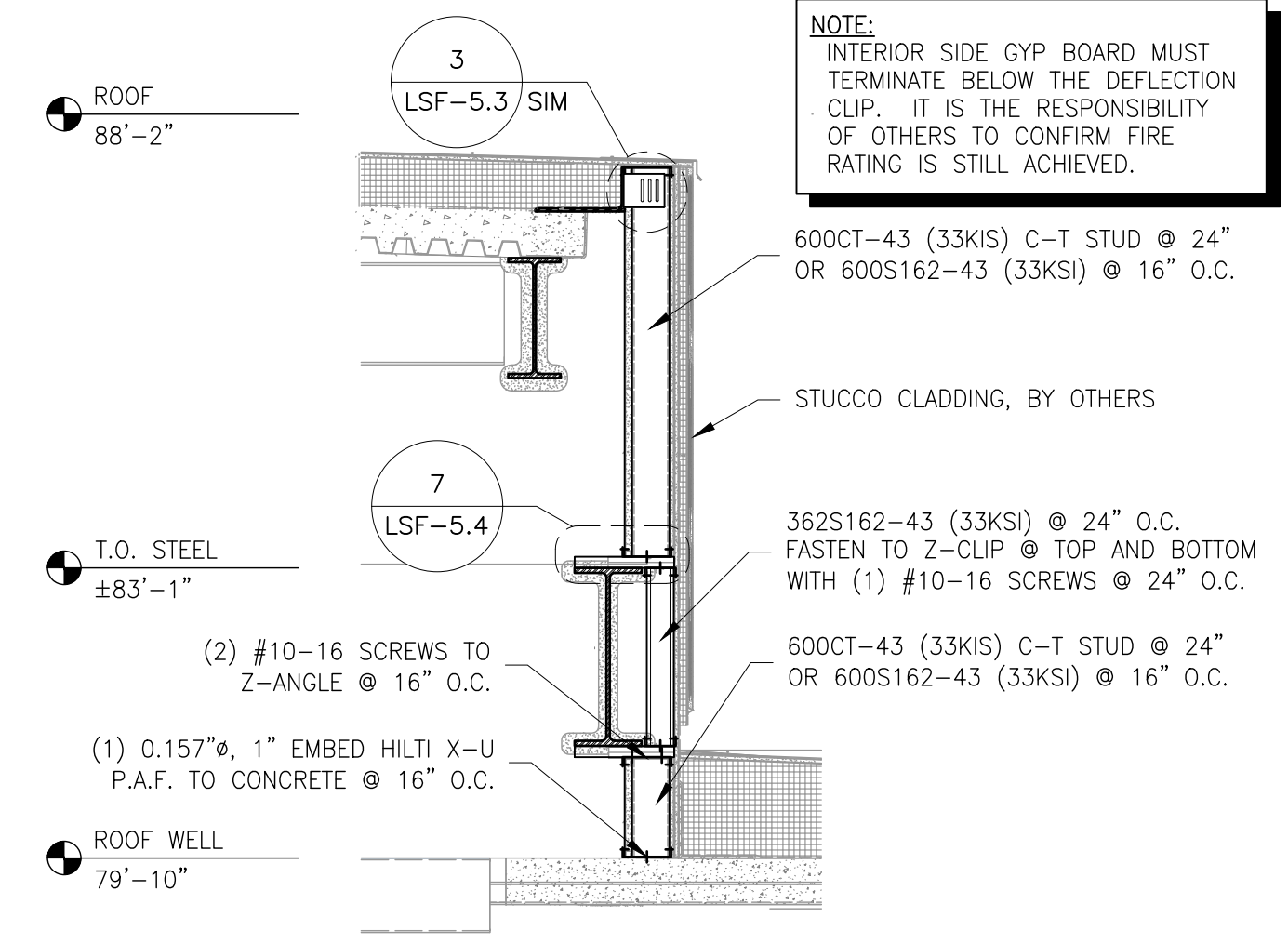
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31 WALL SECTION
REF: 4/A09.516, 3/A09.516 (SIM)

NOTES TO ARCH/EOR:
1) FIRE RATING SHALL BE APPROVED BY OTHERS AS THE INDICATED ASSEMBLY WITH SLOTTED DEFLECTION TRACK DOES NOT CONFORM TO TESTED ASSEMBLIES KNOWN BY CDED.

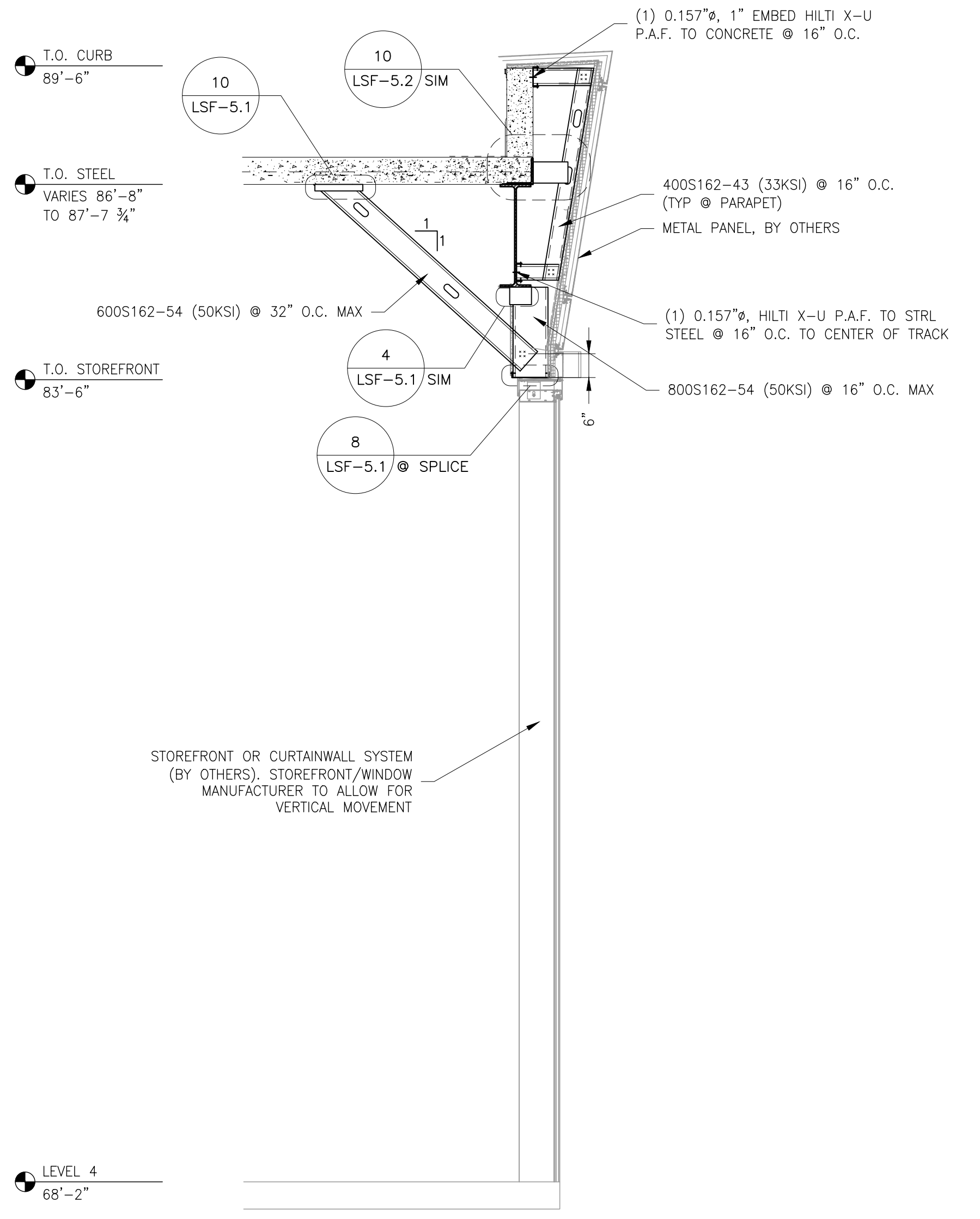
NOTE:
SEE SECTION 31B/- FOR LOCATIONS WHERE HITCH BEAM OCCURS IN LIEU OF CONCRETE CURB.



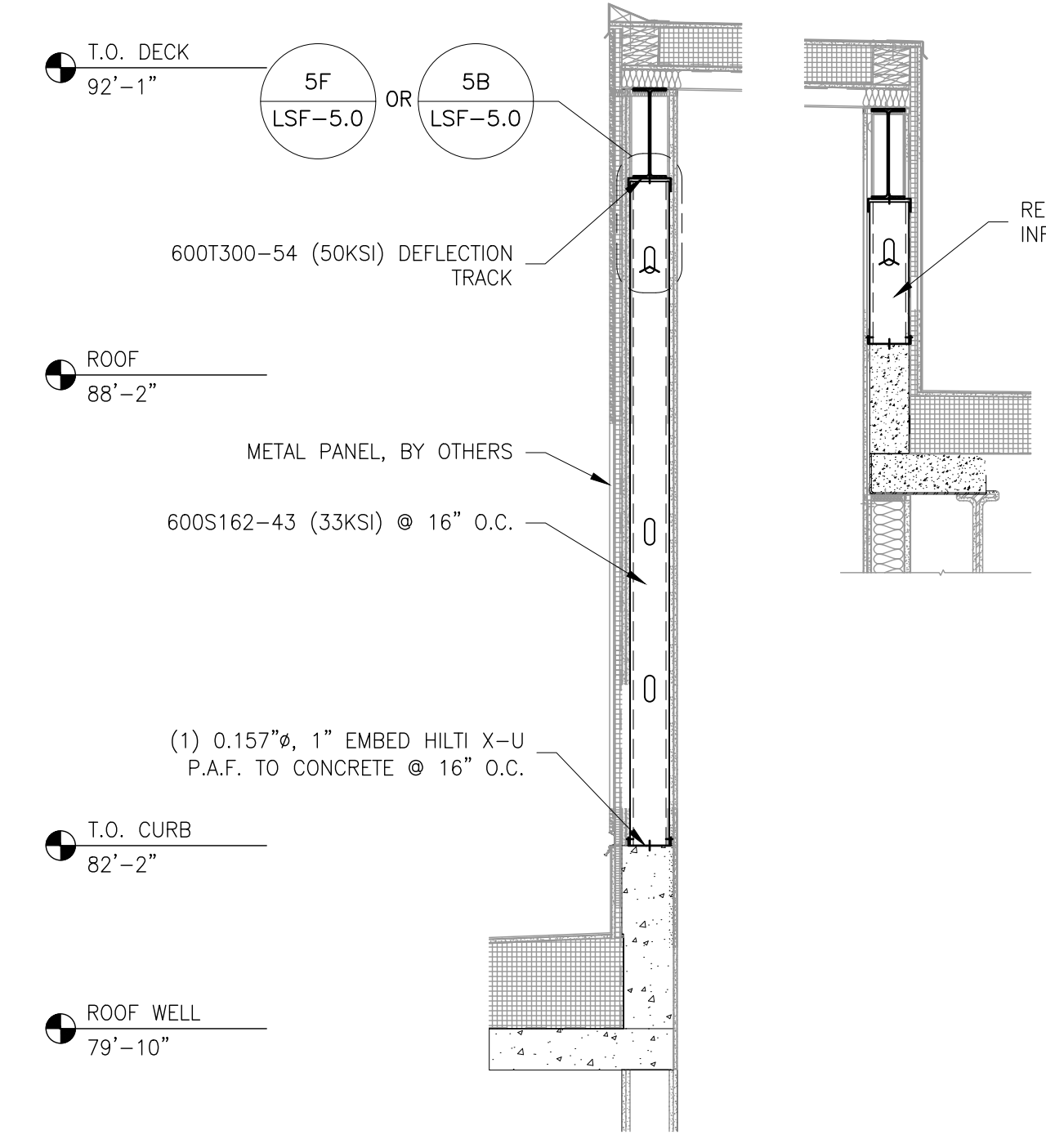
31B WALL SECTION
REF: RFI #4643

NOTE:
INTERIOR SIDE GYP BOARD MUST TERMINATE BELOW THE DEFLECTION CLIP. IT IS THE RESPONSIBILITY OF OTHERS TO CONFIRM FIRE RATING IS STILL ACHIEVED.

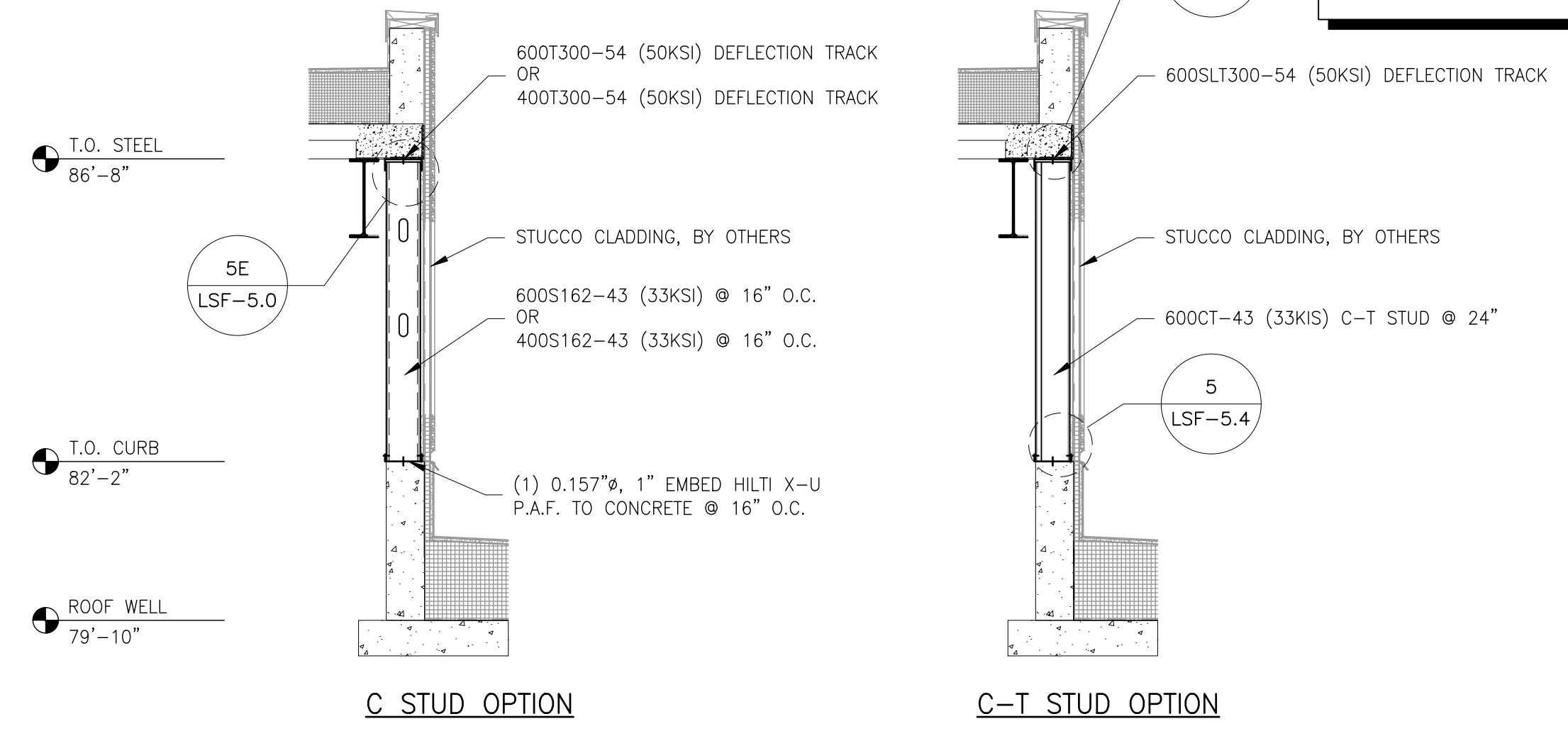
- GENERAL NOTES:**
- 1) ^ - INDICATES LATERAL WALL BRIDGING AT 6'-0" O.C.(MAX) PER DETAIL 1/LSF-5.0 (U.N.O.).
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 - 7) CFS FRAMING AS SHOWN HAS BEEN VALUE ENGINEERED. CLADDING AND/OR STOREFRONT ATTACHMENTS MAY REQUIRE HIGHER GAUGES THAN SHOWN.



30 WALL SECTION
REF: 3/A09.517

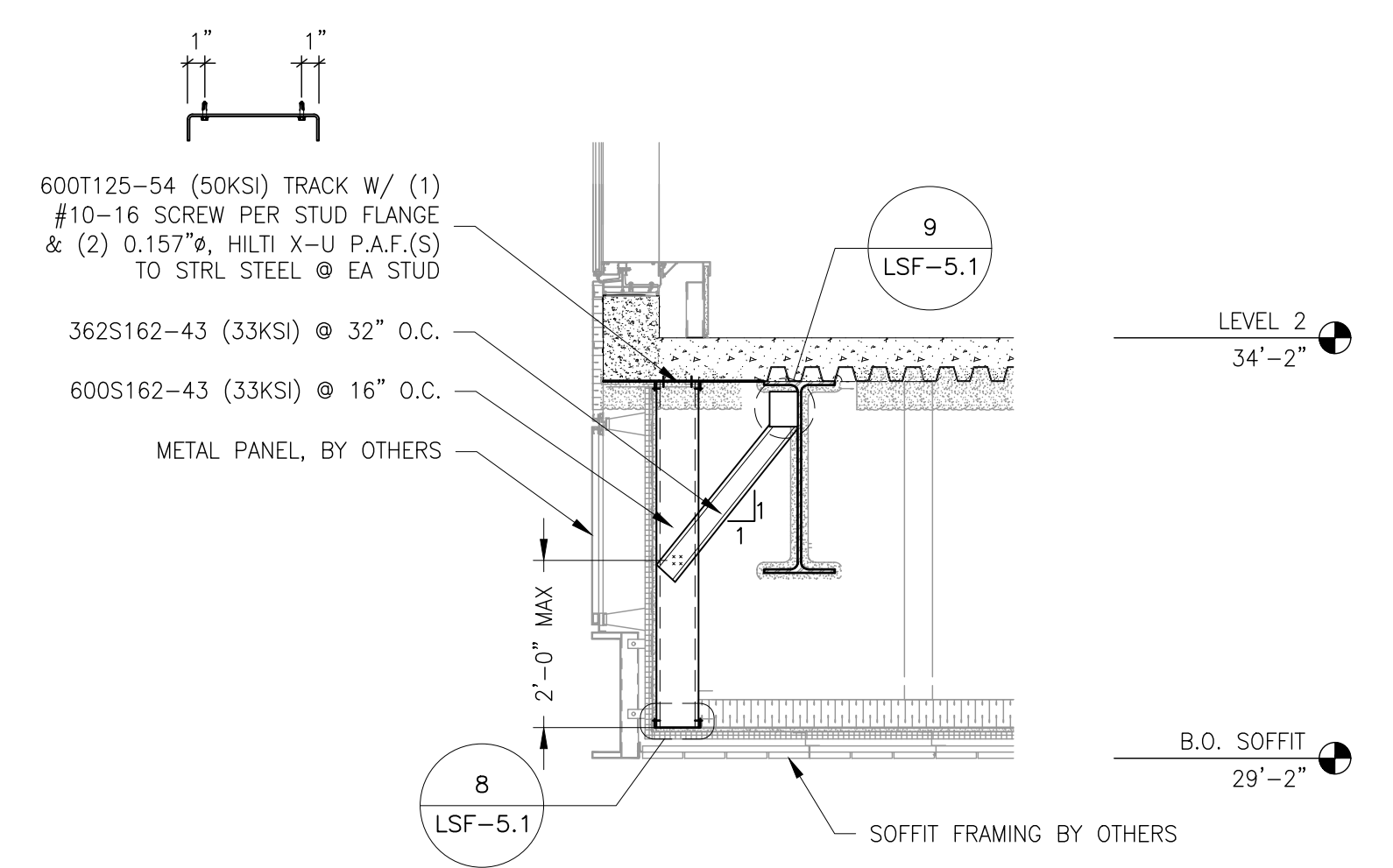


32 WALL SECTION
REF: 9&7/A09.517

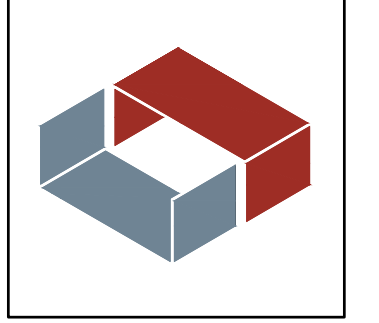


33 WALL SECTION
REF: 4/A09.517

NOTES TO ARCH/EOR:
1) FIRE RATING SHALL BE APPROVED BY OTHERS AS THE INDICATED ASSEMBLY WITH SLOTTED DEFLECTION TRACK DOES NOT CONFORM TO TESTED ASSEMBLIES KNOWN BY CDED.



34 WALL SECTION
REF: 2/A09.512



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San Diego, California



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(619) 455-3800
Michael Leahy

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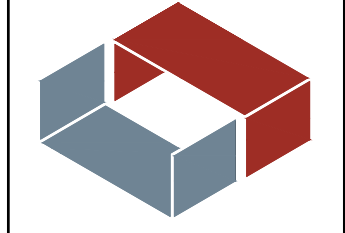
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Revisions

1.	BAO	01/19/2023
2.	BAO	02/22/2023
3.	BAO	04/03/2023
4.	BAO	05/22/2023
5.	BAO	06/23/2023
6.	BAO	08/04/2023

Drawn: BAO Engineer: BAO Reviewed: TG
Date: 11/15/2022
Project Number: 2150220247-1
Sheet Title: WALL SECTIONS
Sheet No. LSF-3.10
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GENERAL NOTES:

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Drawn: BAO Engineer: BAO Reviewed: TG

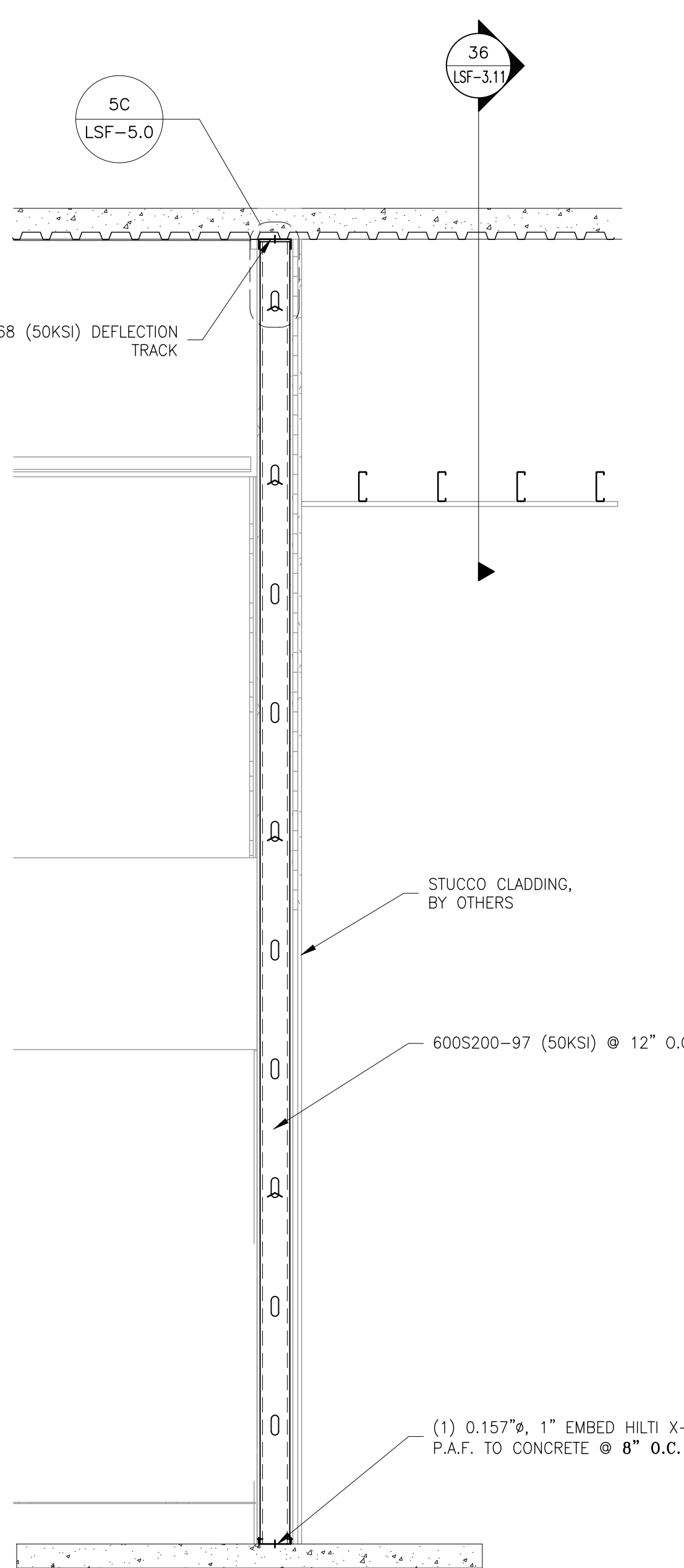
Date: 11/15/2022

Project Number: 2150220247-1

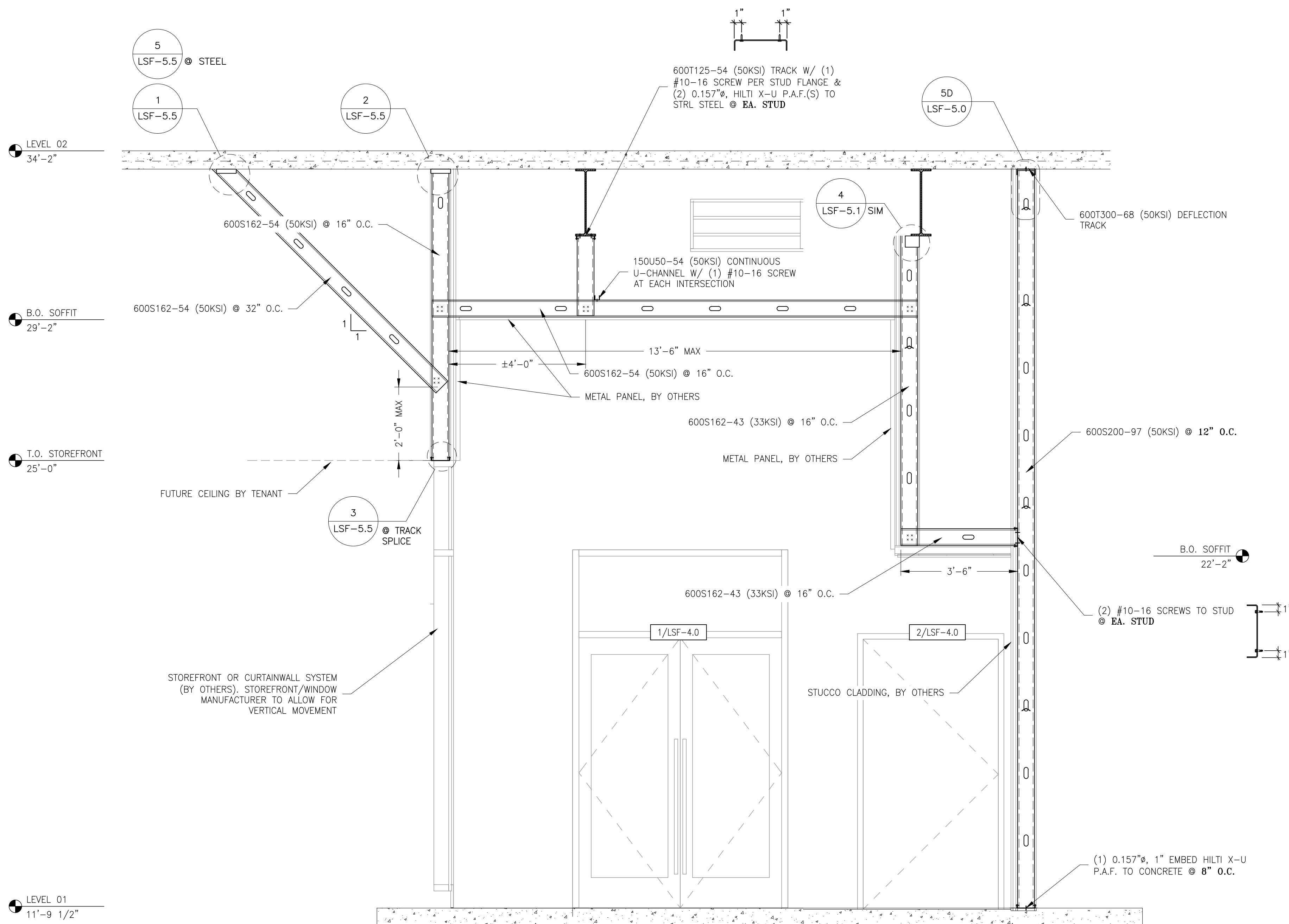
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Sheet No. LSF-3.11

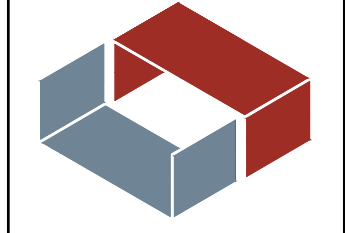
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35 WALL SECTION
REF: 01/A06.404



36 WALL SECTION
REF: 3/A06.404



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Drawn: BAO
Engineer: BAO
Reviewed: TG

Date: 11/15/2022

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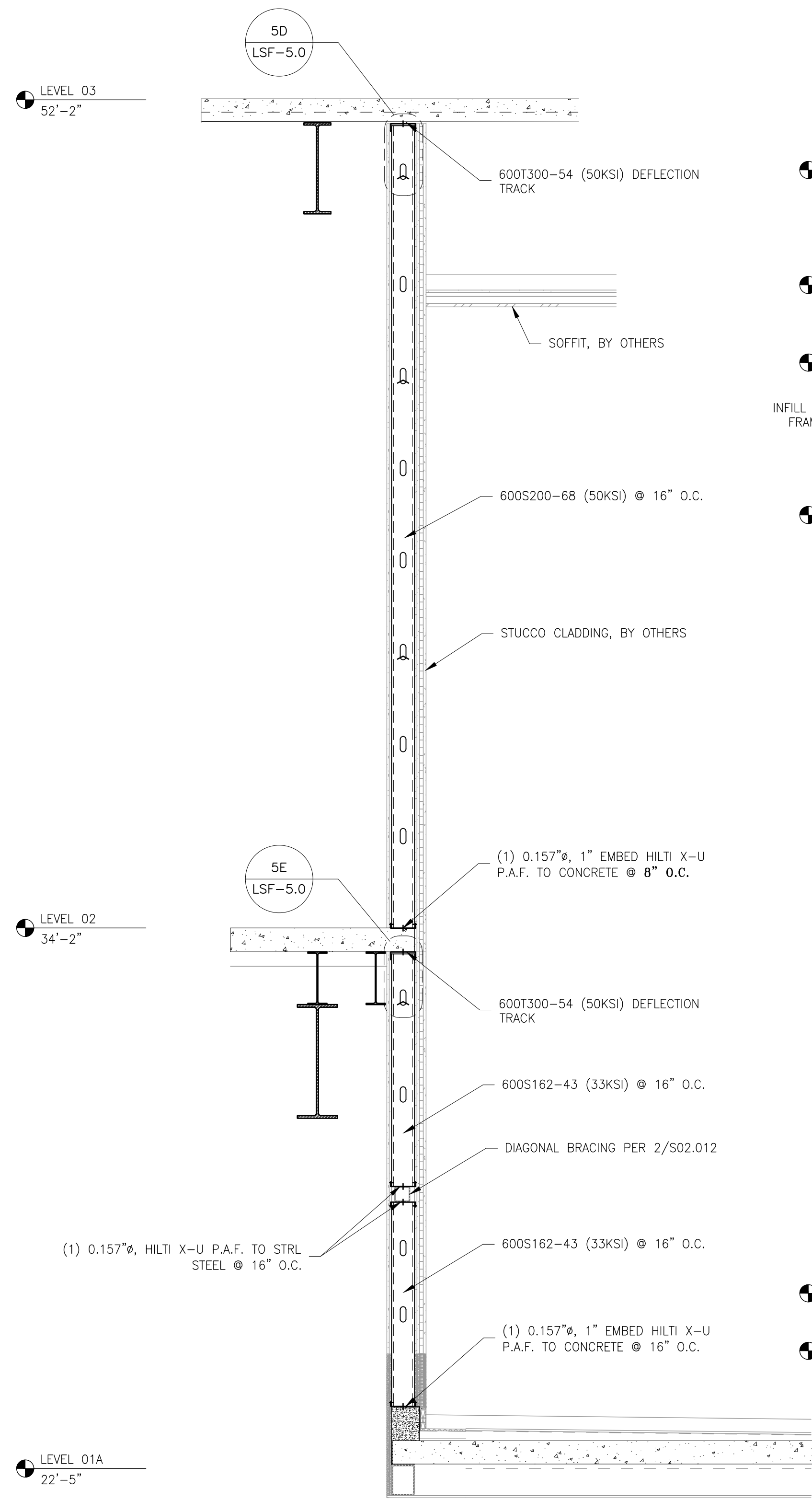
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Sheet No. LSF-3.12

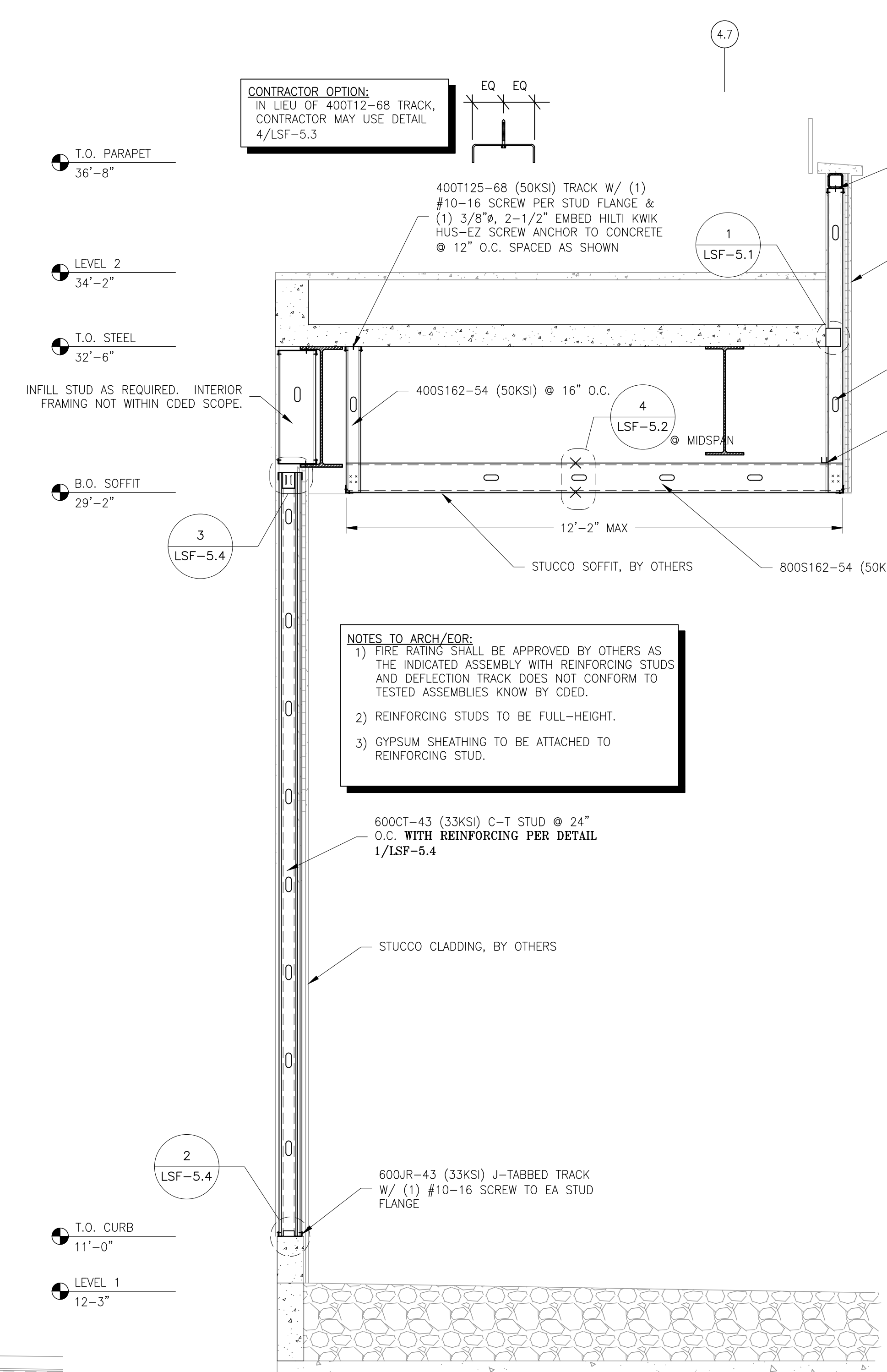
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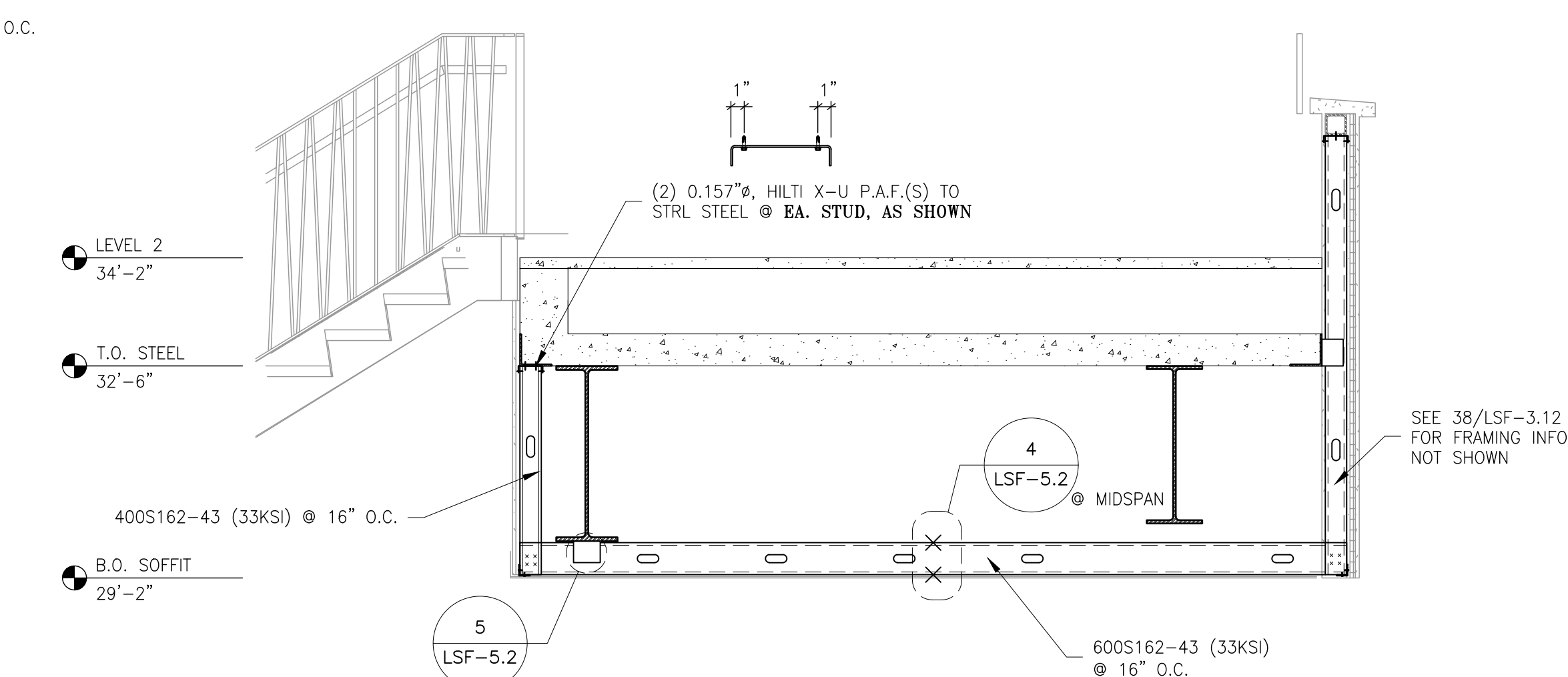
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37 WALL SECTION
REF: 3/A07.115



38 WALL SECTION
REF: 5/A06.409



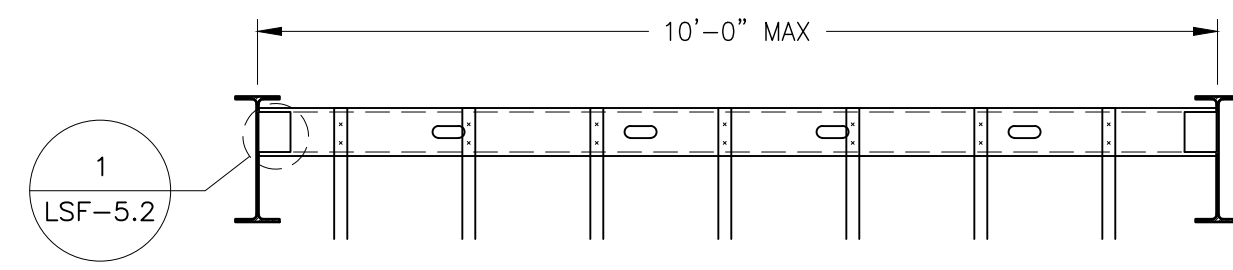
39 WALL SECTION
REF: 3/A07.115, 2/A07.116, 1/A9.506

CONTRACTOR OPTION:
IN LIEU OF 400T12-68 TRACK,
CONTRACTOR MAY USE DETAIL
4/LSF-5.3

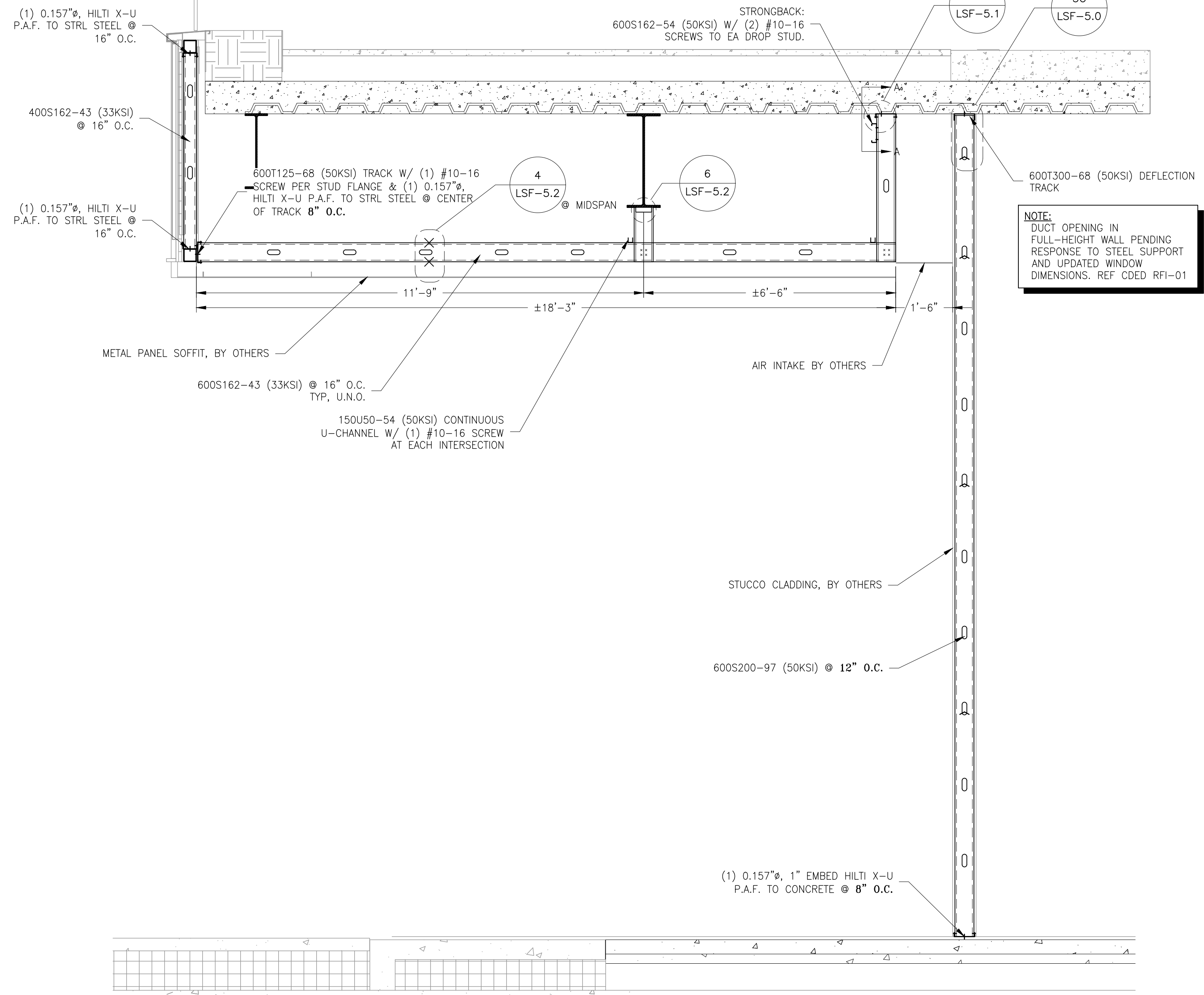
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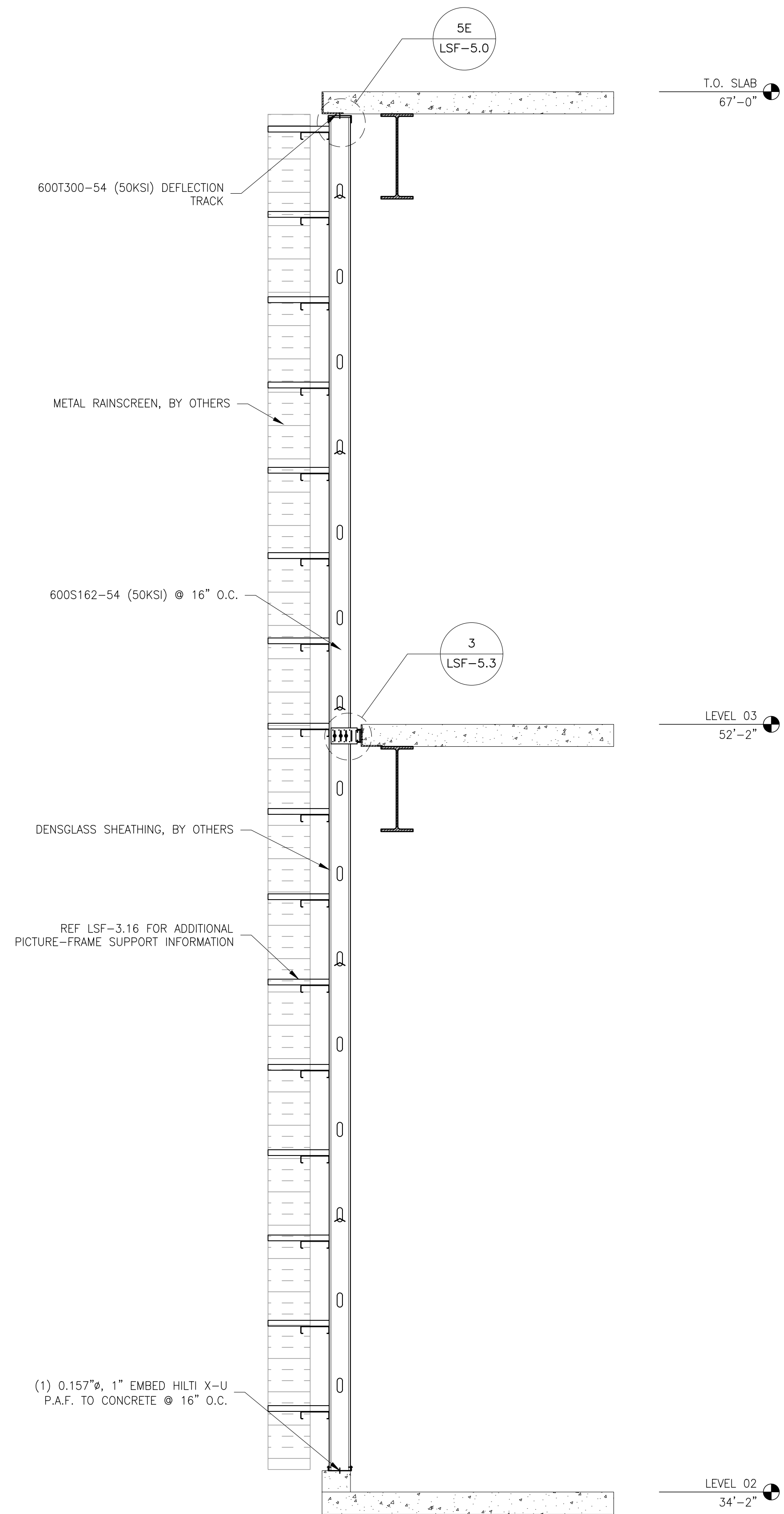
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SECTION A-A



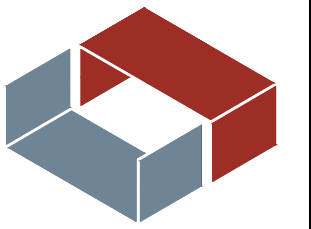
40 WALL SECTION



41 WALL SECTION
WALTERS & WOLF RFI DATED 2/2/2022

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Drawn: BAO Engineer: BAO Reviewed: TG

Date: 11/15/2022

Project Number: 2150220247-1

Sheet Title: WALL SECTIONS

Sheet No.

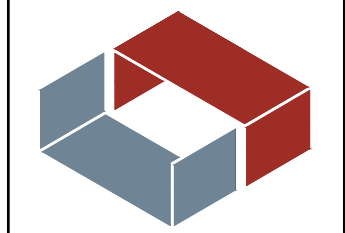
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Drawn: Engineer: Reviewed:
BAO BAO TG

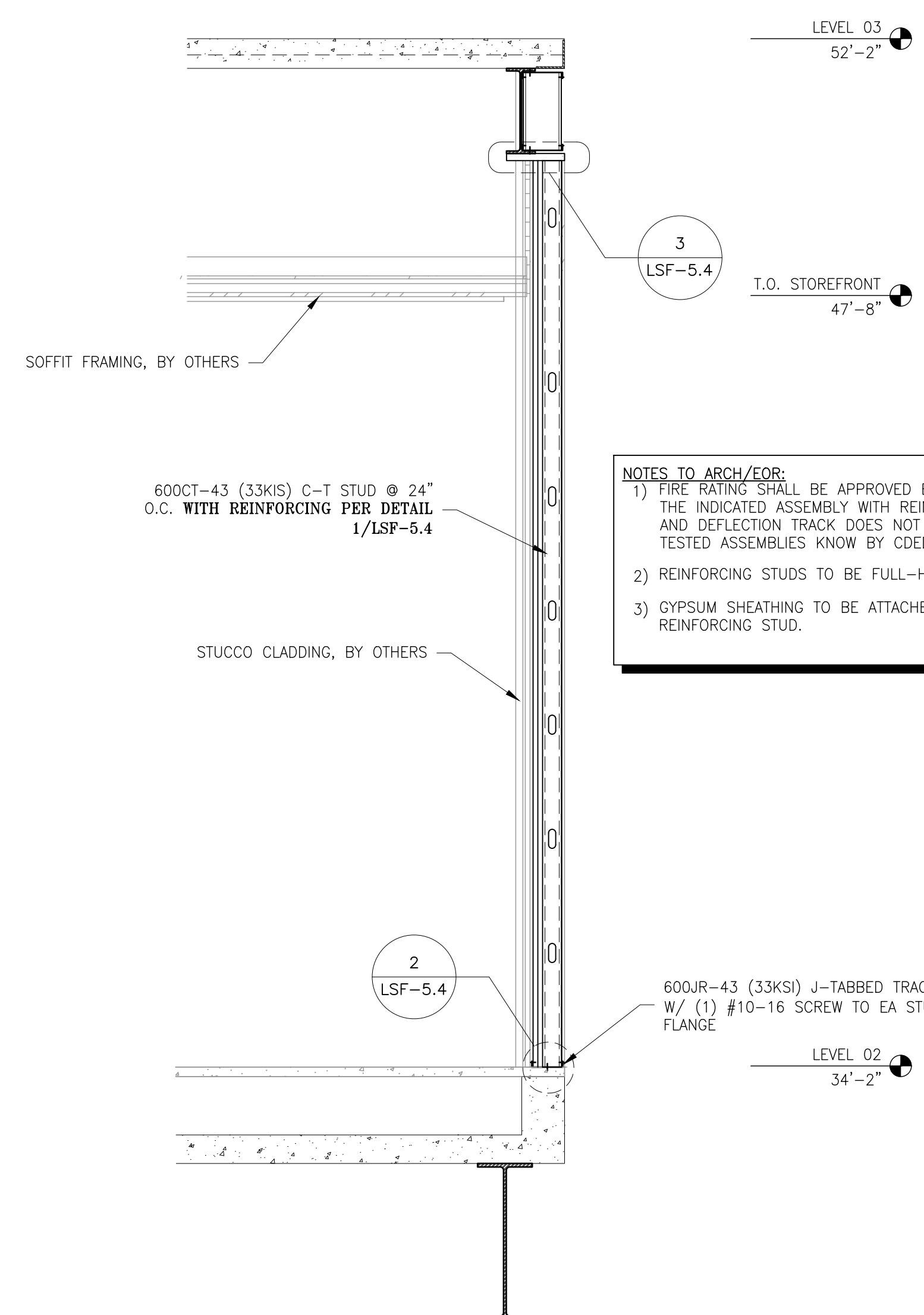
Date:
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2150220247-1

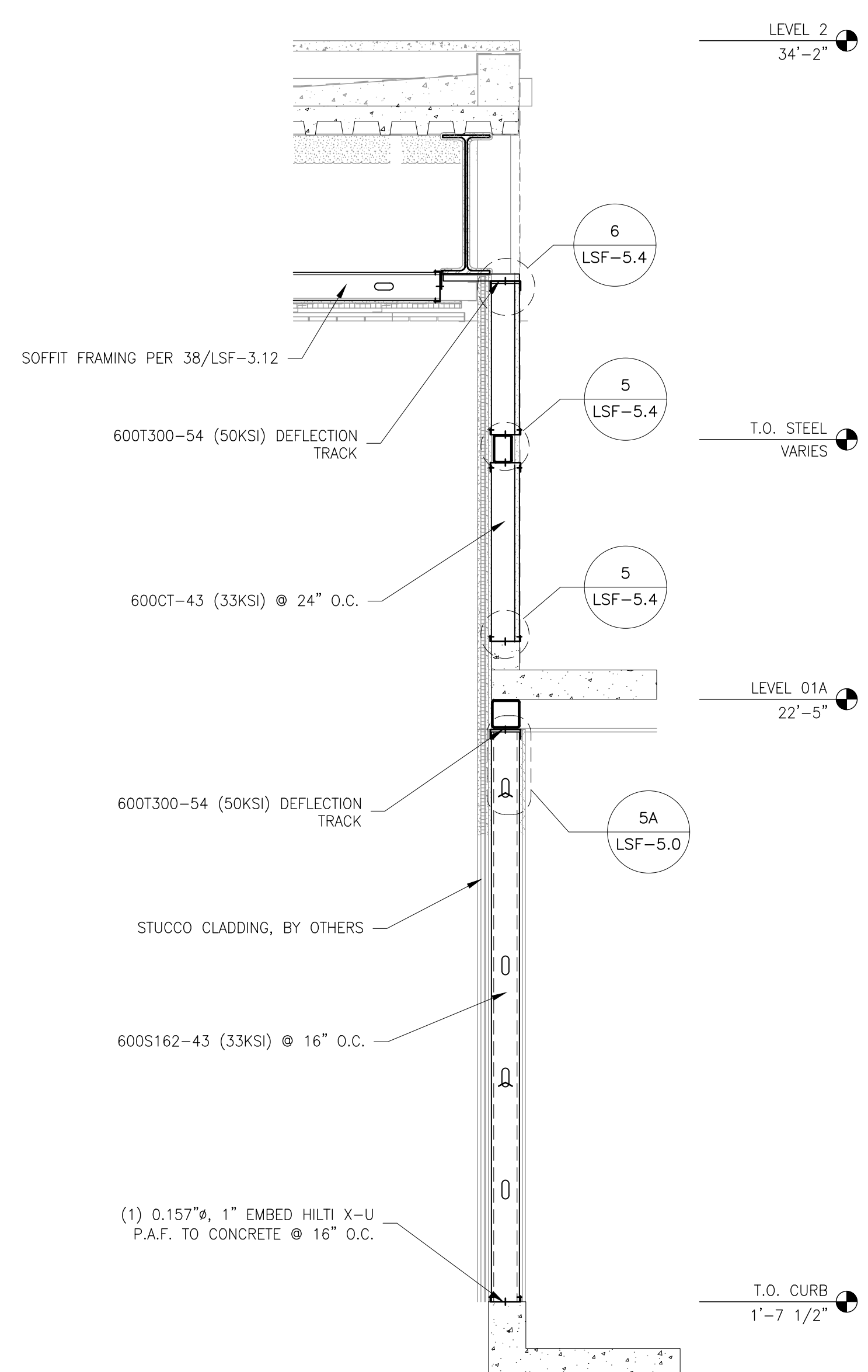
Sheet Title:
WALL SECTIONS

Sheet No.
LSF-3.14

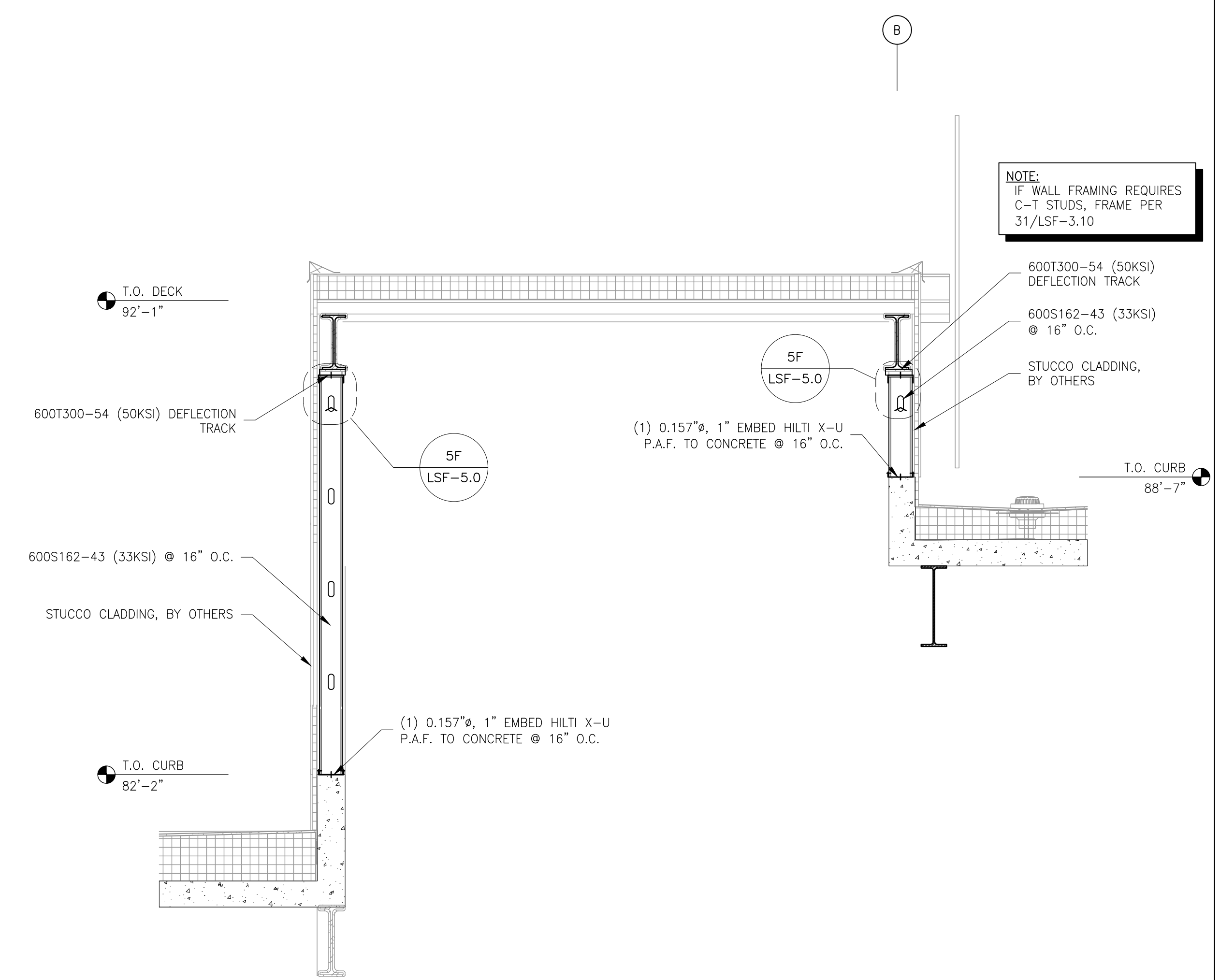
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42 WALL SECTION
REF: 5/A06.409



43 WALL SECTION
REF: 3/A07.116



44 WALL SECTION
REF: 2/A06.513

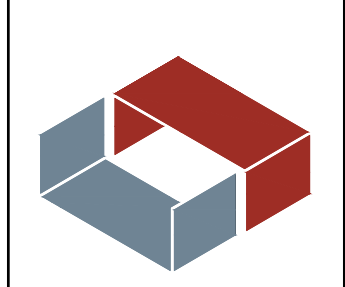
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NOTE:
IF WALL FRAMING REQUIRES C-T STUDS, FRAME PER 31/LSF-3.10

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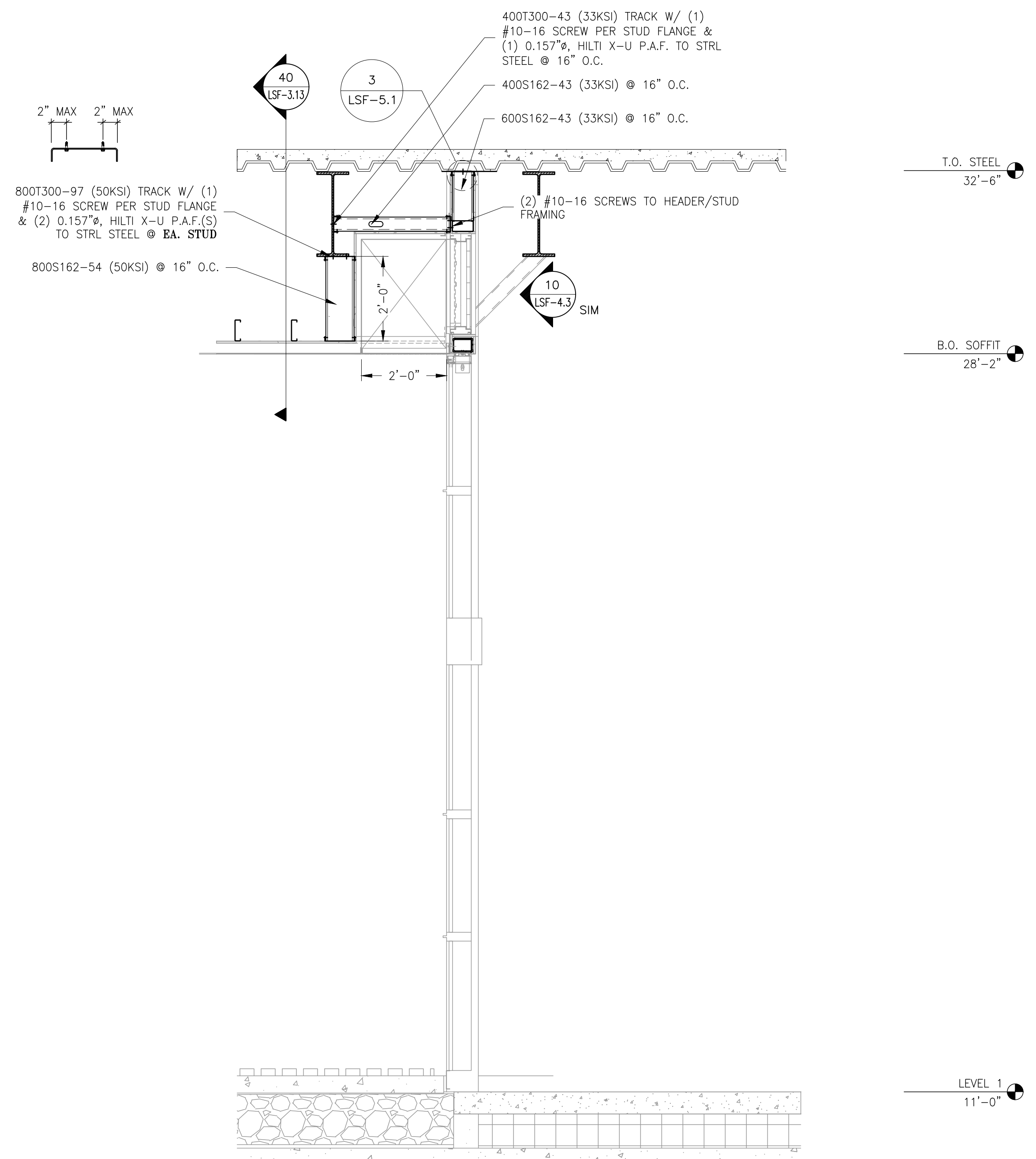


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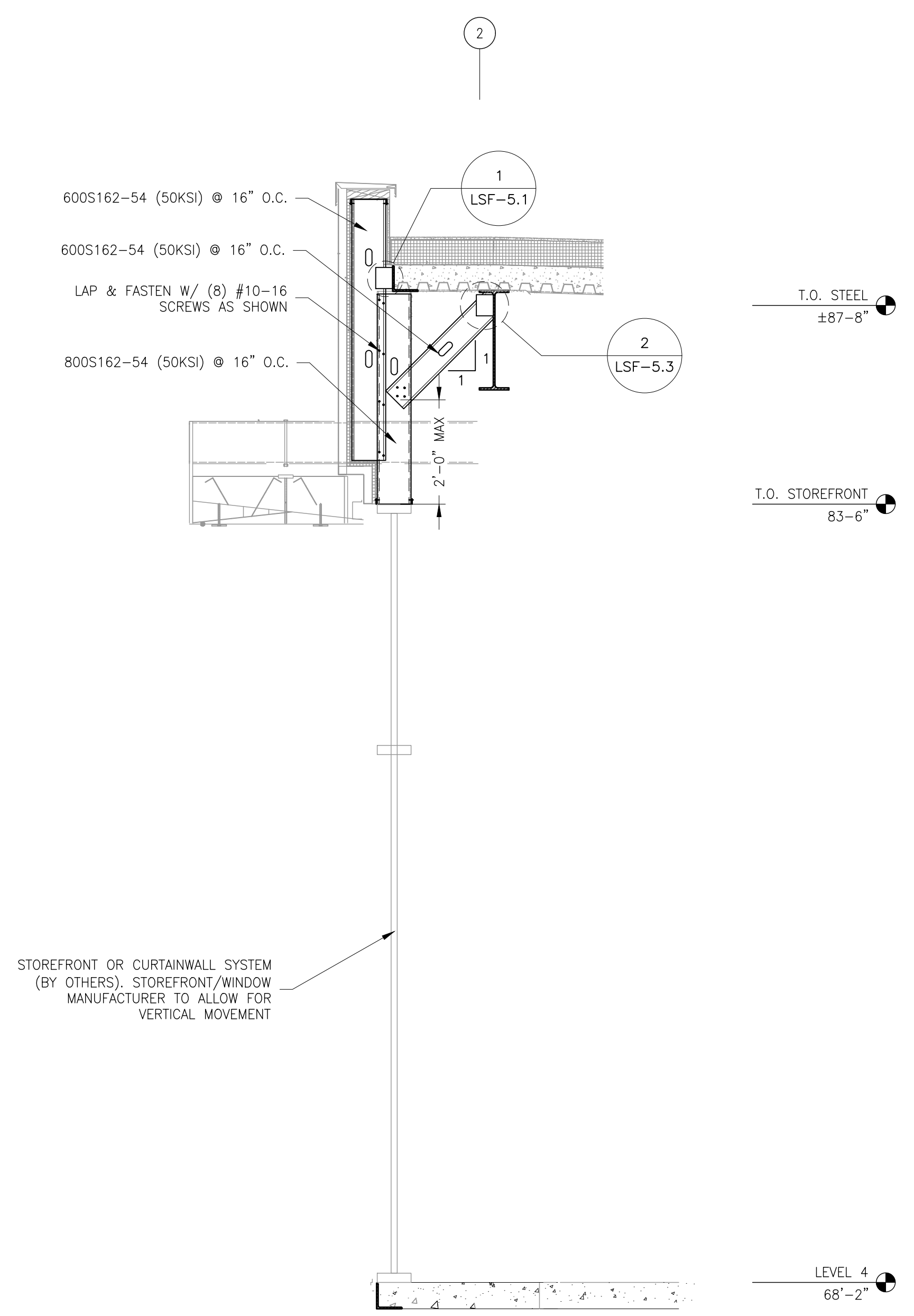
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45 WALL SECTION
REF: 4/A06.409



46 WALL SECTION
REF: 4/A06.409

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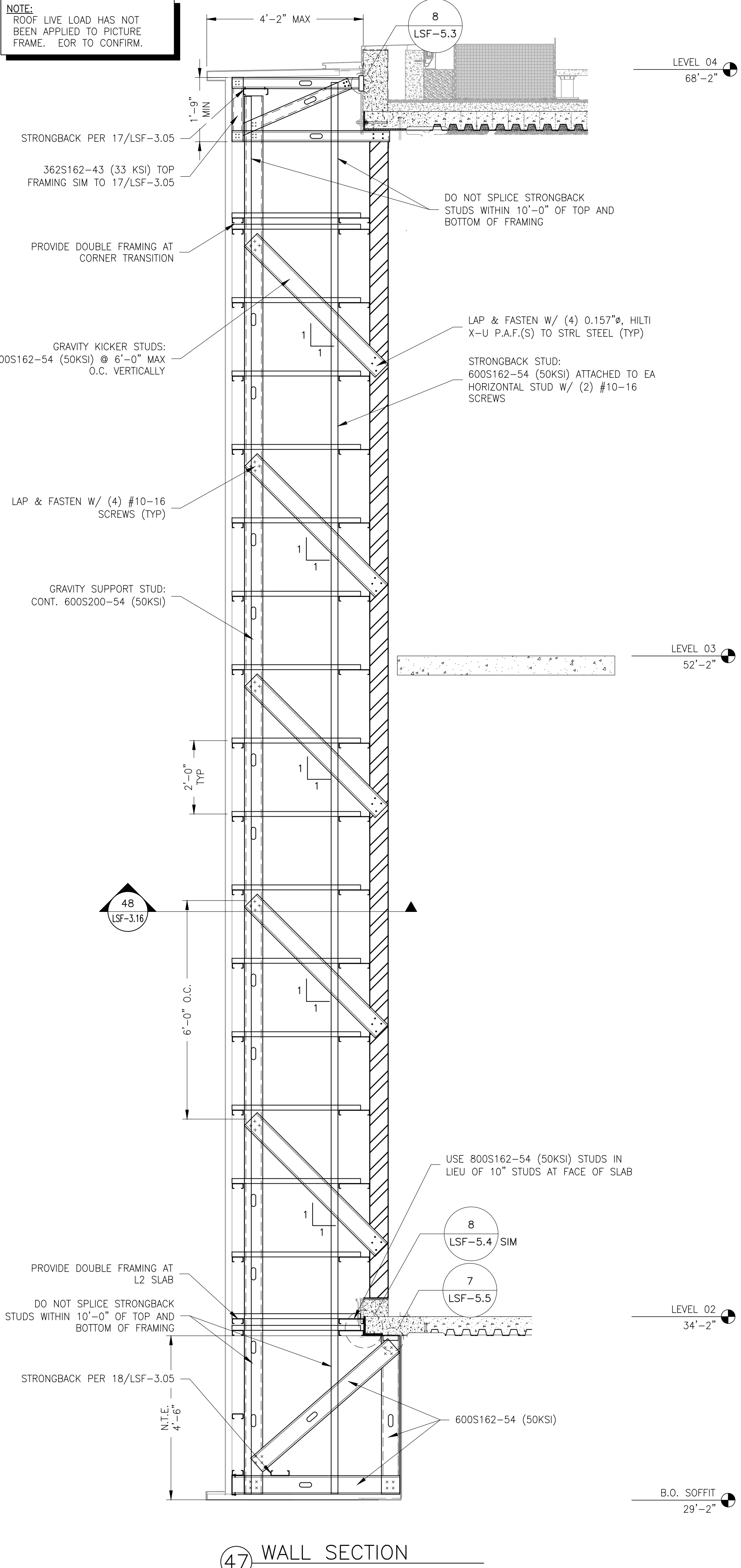
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LSF-3.15

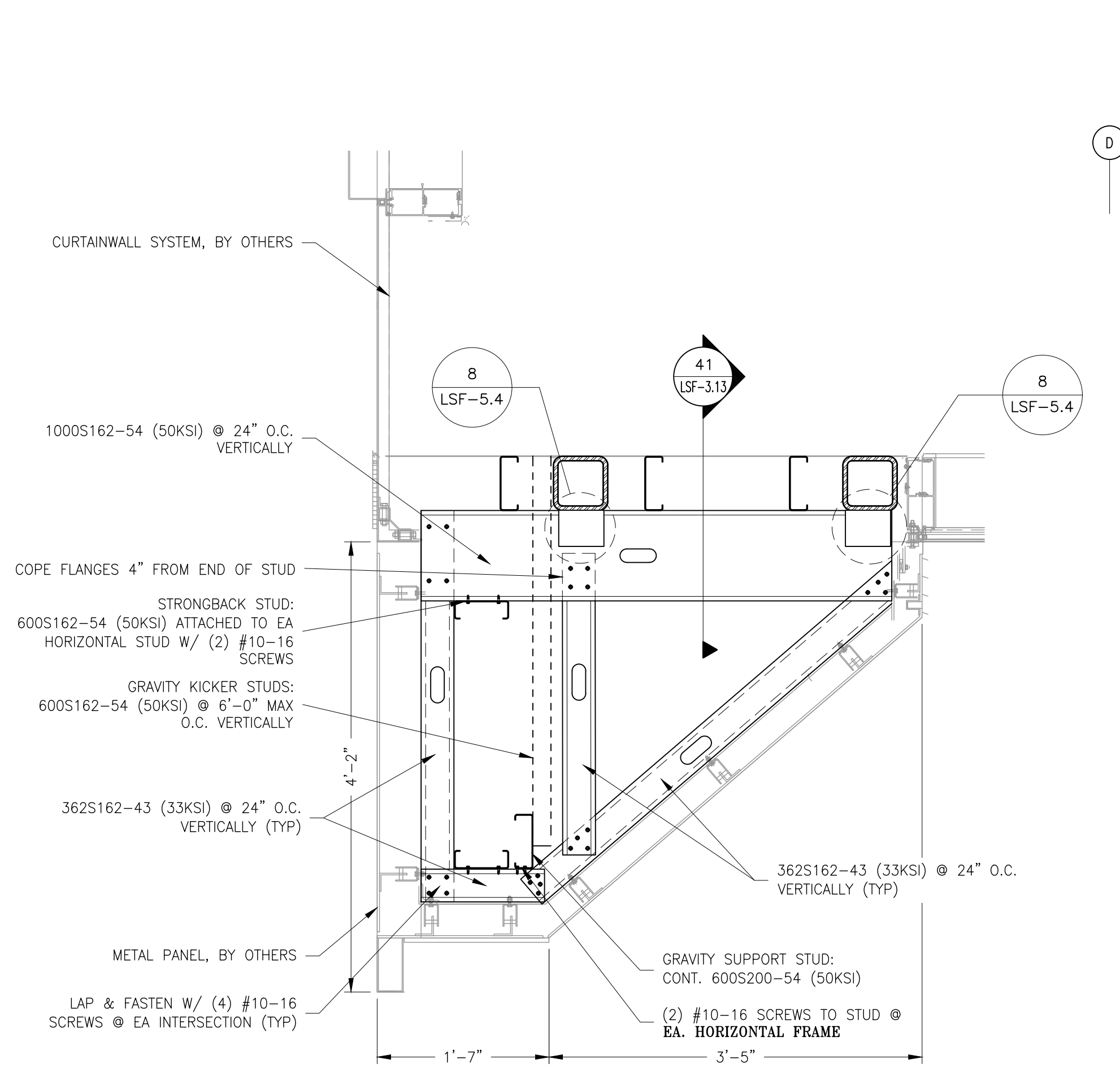
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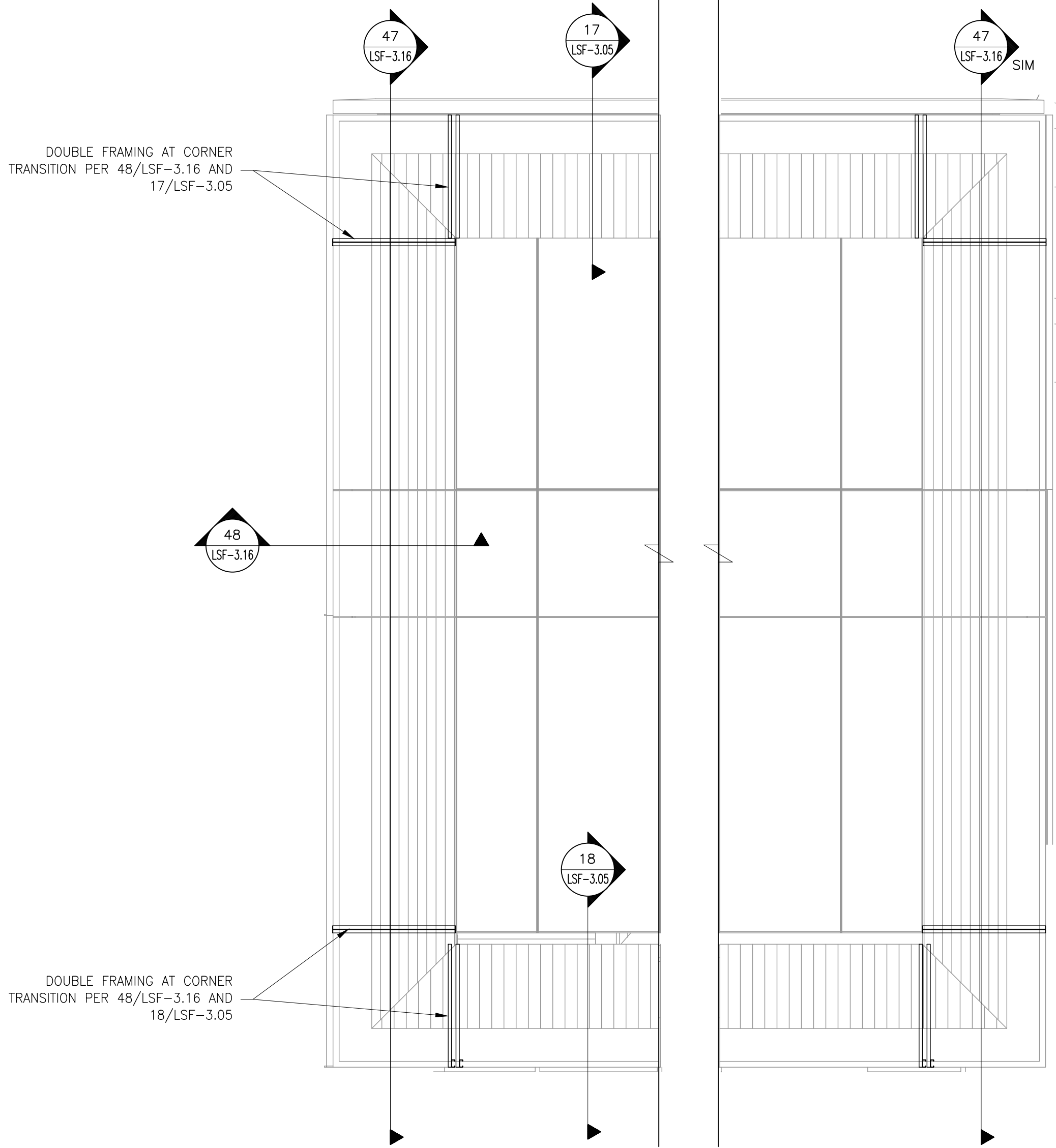
NOTE:
ROOF LIVE LOAD HAS NOT
BEEN APPLIED TO PICTURE
FRAME. EOR TO CONFIRM.



47 WALL SECTION



48 PLAN VIEW



49 PICTURE FRAME ELEVATION

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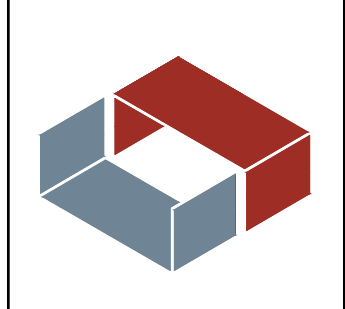
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2.	BAO	02/22/2023
3.	BAO	04/03/2023
4.	BAO	05/22/2023
5.	BAO	06/23/2023
6.	BAO	08/04/2023

Drawn:	Engineer:	Reviewed:
BAO	BAO	TG

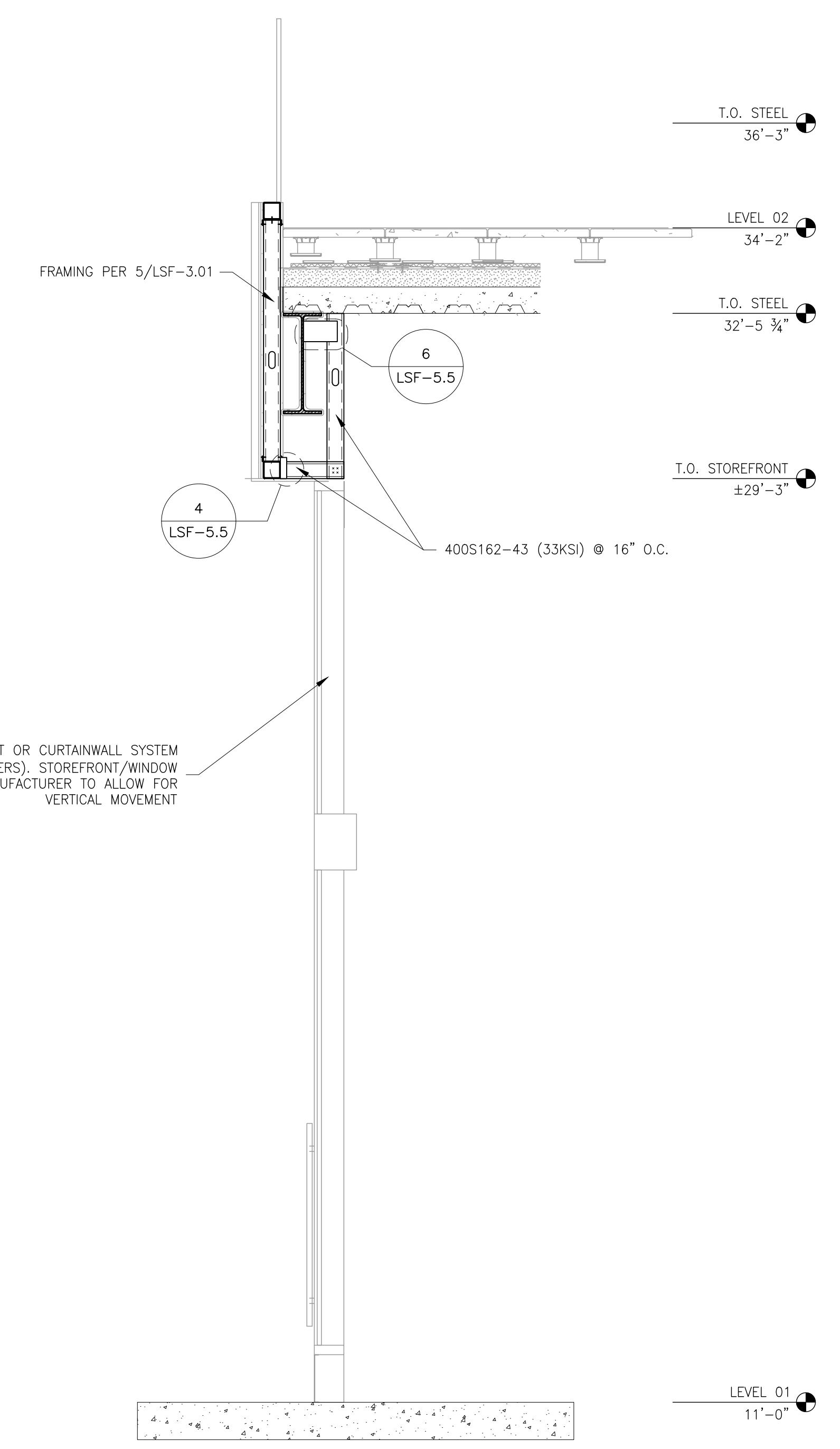
Date: 11/15/2022

Project Number: 2150220247-1

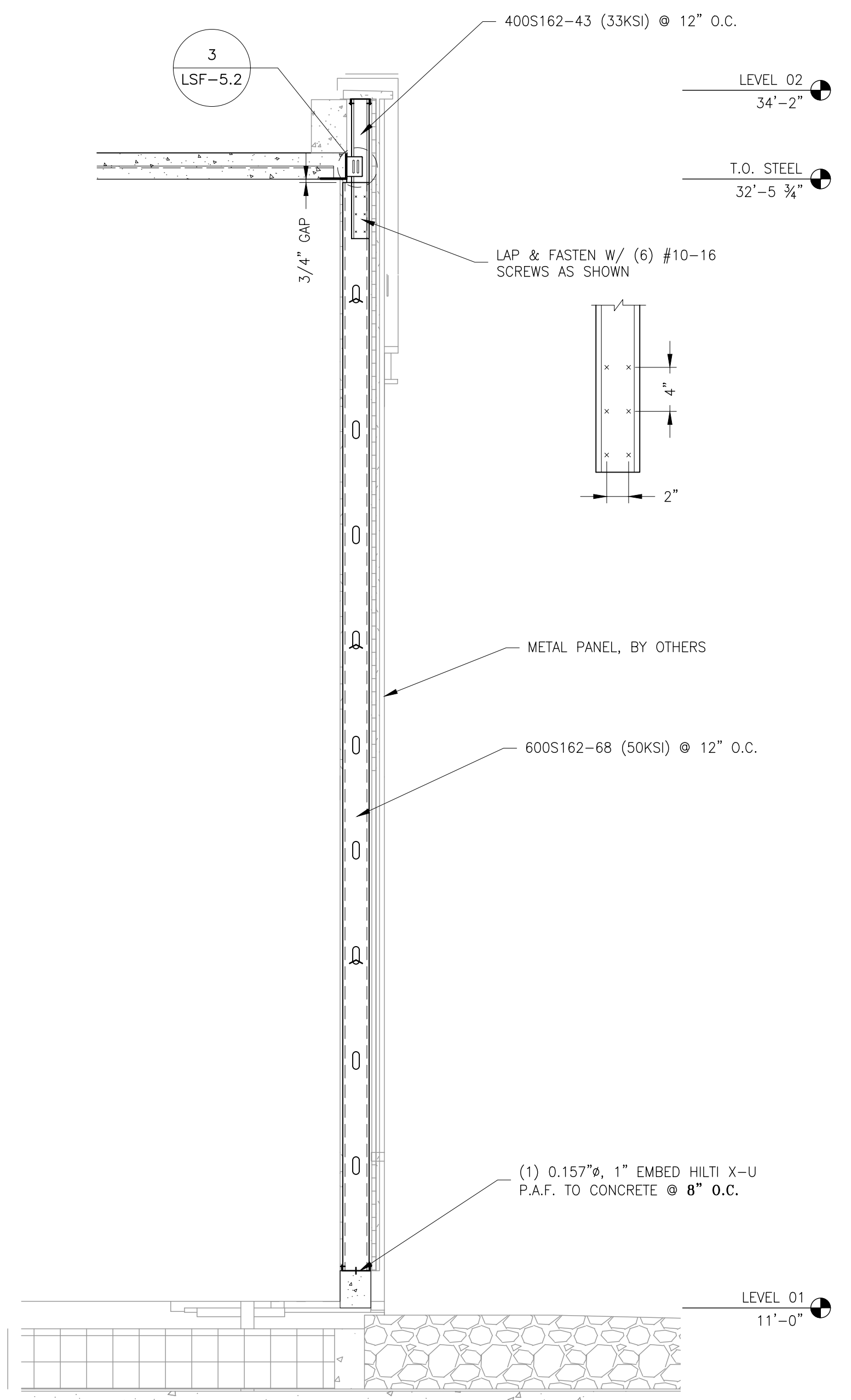
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Sheet No. LSF-3.17

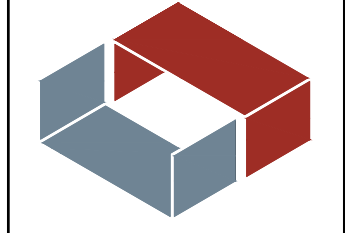
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50 WALL SECTION
REF: 5/A06.418



51 WALL SECTION
REF: 2/A06.409 (SIM)



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6	BAO	08/04/2023

Drawn: BAO Engineer: BAO Reviewed: TG

Date: 11/15/2022

Project Number: 2150220247-1

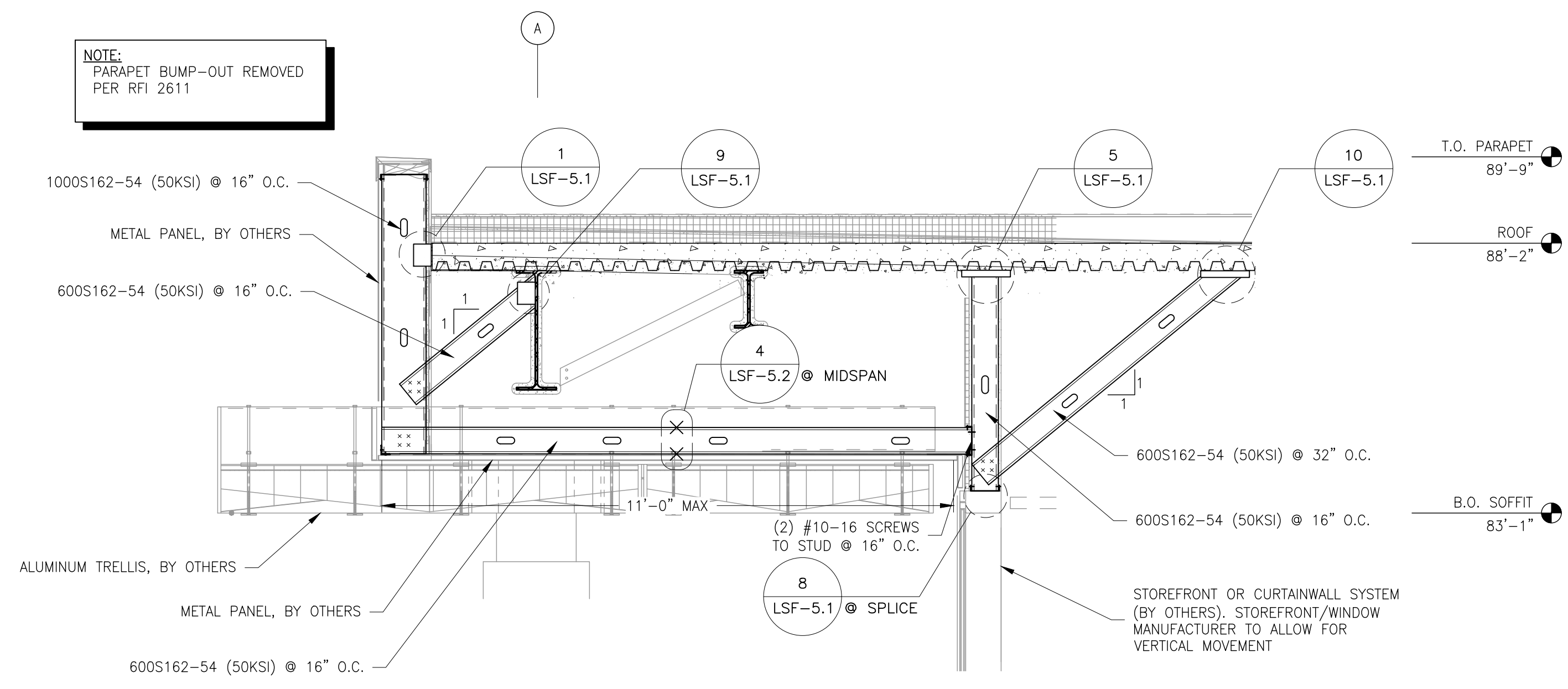
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Sheet No. **LSF-3.50**

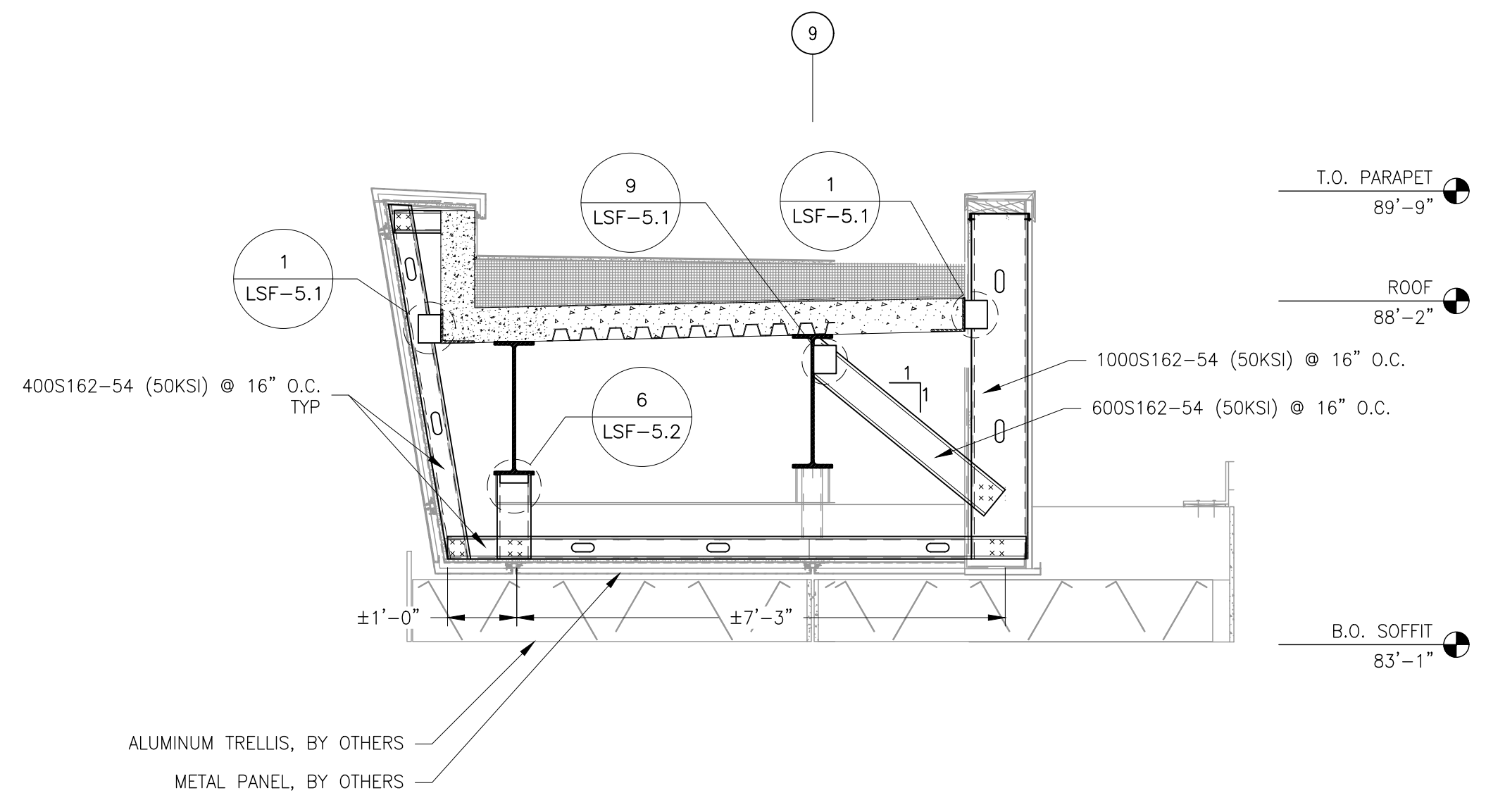
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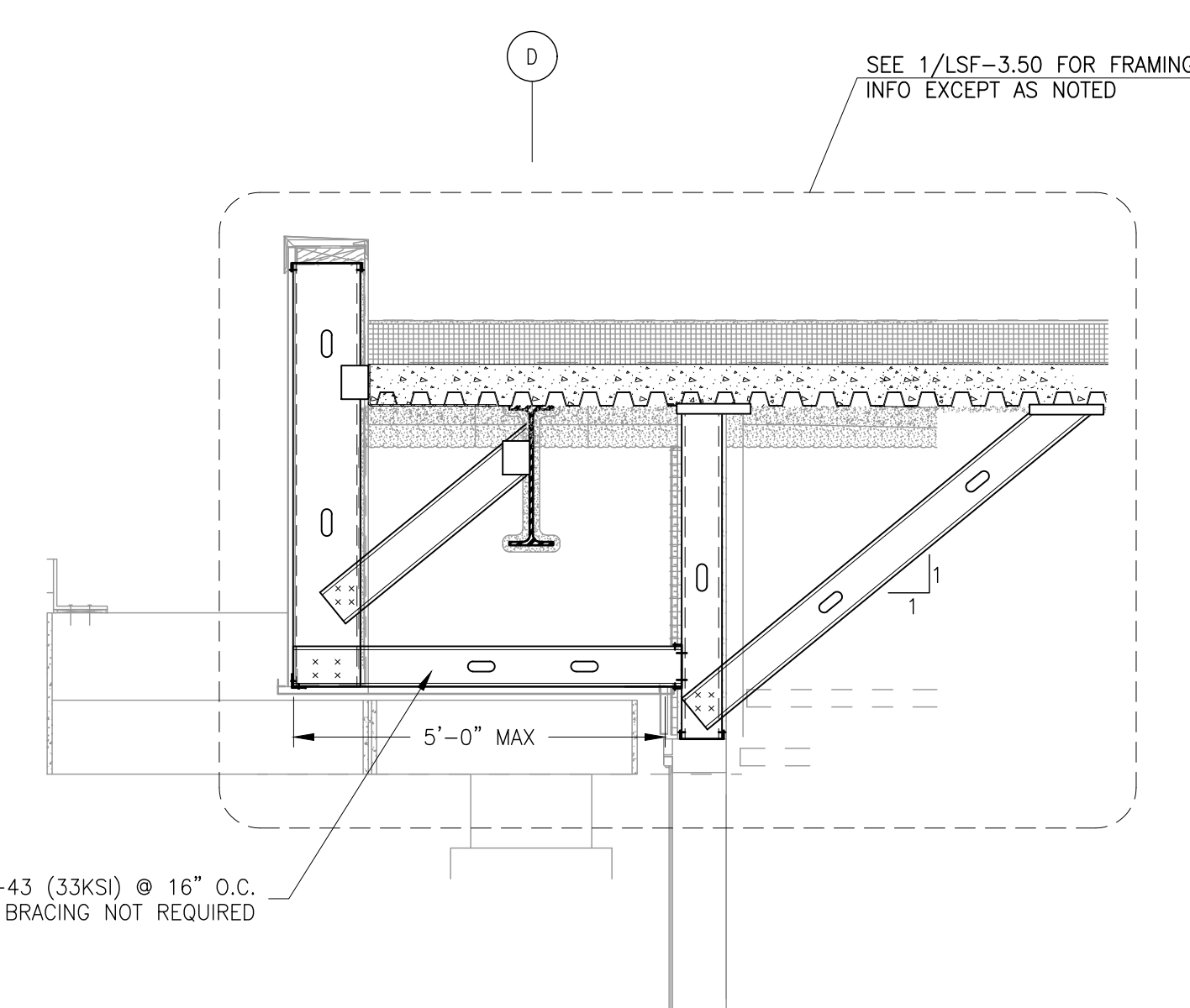
- 1) ^ - INDICATES LATERAL WALL BRIDGING AT 6'-0" O.C.(MAX) PER DETAIL 1/LSF-5.0 (U.N.O.).
- 2) FOR CONNECTIONS OCCURRING AT KNOCKOUTS, SEE REINFORCEMENT DETAIL 2/LSF-5.0
- 3) ALL TRACKS ARE TO BE 43 MIL (33ksi) W/ 1-1/4" FLANGES & W/ (1) #10-16 SCREW PER STUD FLANGE PER DETAIL 3/LSF-5.0 (U.N.O.).
- 4) ALL DIMENSIONS AND ELEVATIONS ARE LISTED FOR REFERENCE AND ENGINEERING PURPOSES ONLY. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT DIMENSIONS AND ELEVATIONS.
- 5) DESIGN ASSUMES METAL PANEL SYSTEM IS ATTACHED TO EVERY STUD, LOADS THE FRAMING UNIFORMLY, AND HAS NO MINIMUM THICKNESS REQUIREMENTS FOR THE FRAMING.
- 6) FASTEN ALL LAPPED CONNECTIONS W/ (4) #10-16 SCREWS U.N.O.
- 7) CFS FRAMING AS SHOWN HAS BEEN VALUE ENGINEERED. CLADDING AND/OR STOREFRONT ATTACHMENTS MAY REQUIRE HIGHER GAUGES THAN SHOWN.



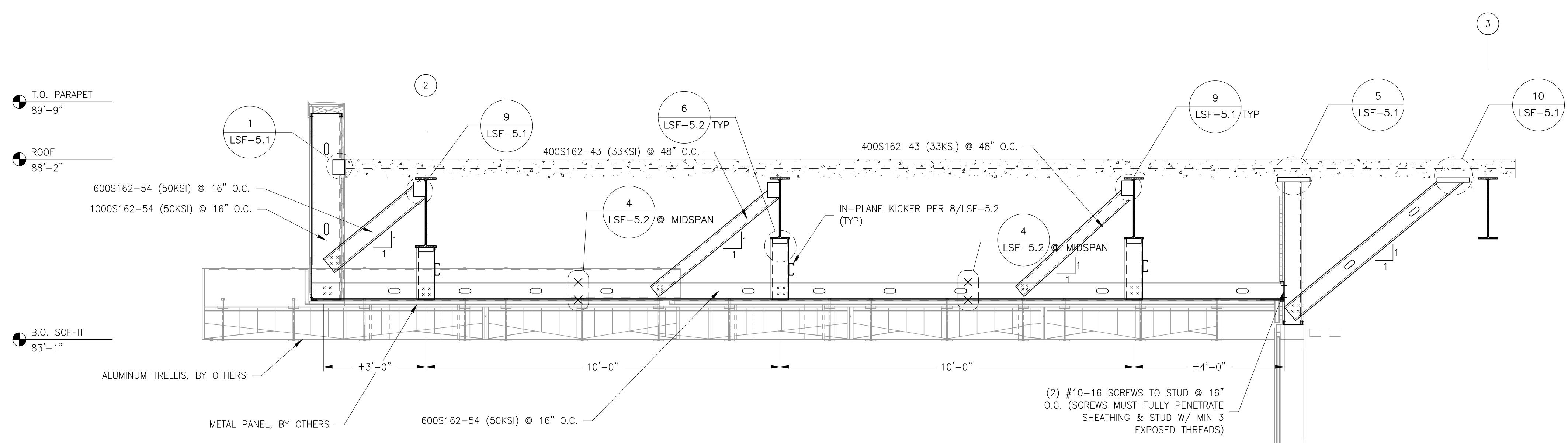
1 WALL SECTION
REF: 3/A09.518, 4/A09.511 (SIM)
SEE: 4/S08.806



4 WALL SECTION
RE: 1/A09.517



2 WALL SECTION
REF: 5/A09.512

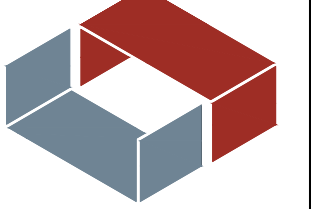


NOTE:
CONTRACTOR TO ALIGN ALUMINUM TRELLIS CASSETTE JOINT WITH CFS JOIST. ATTACHMENT OF CASSETTE TO CFS JOIST BY OTHERS.

3 WALL SECTION

GENERAL NOTES:

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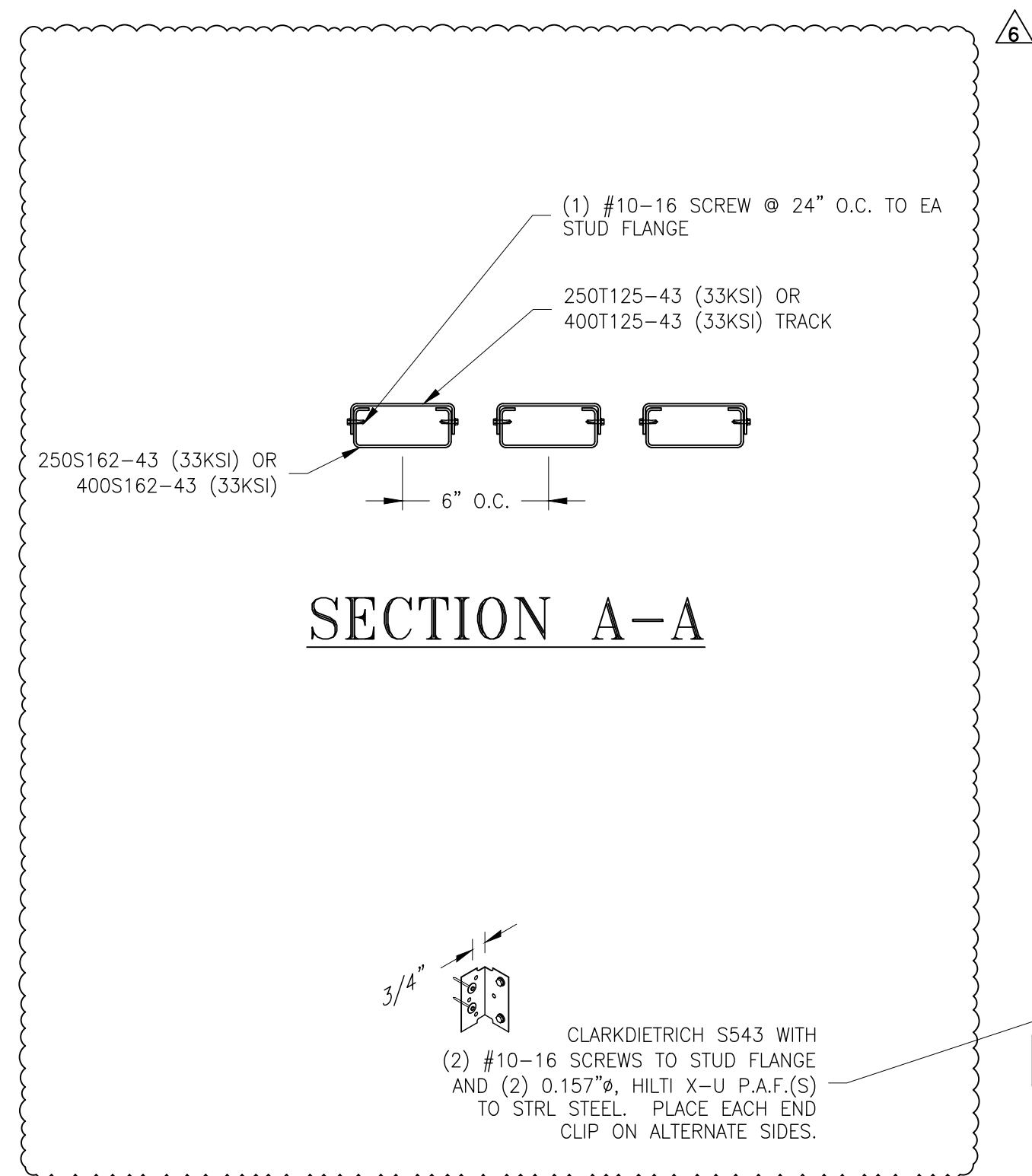


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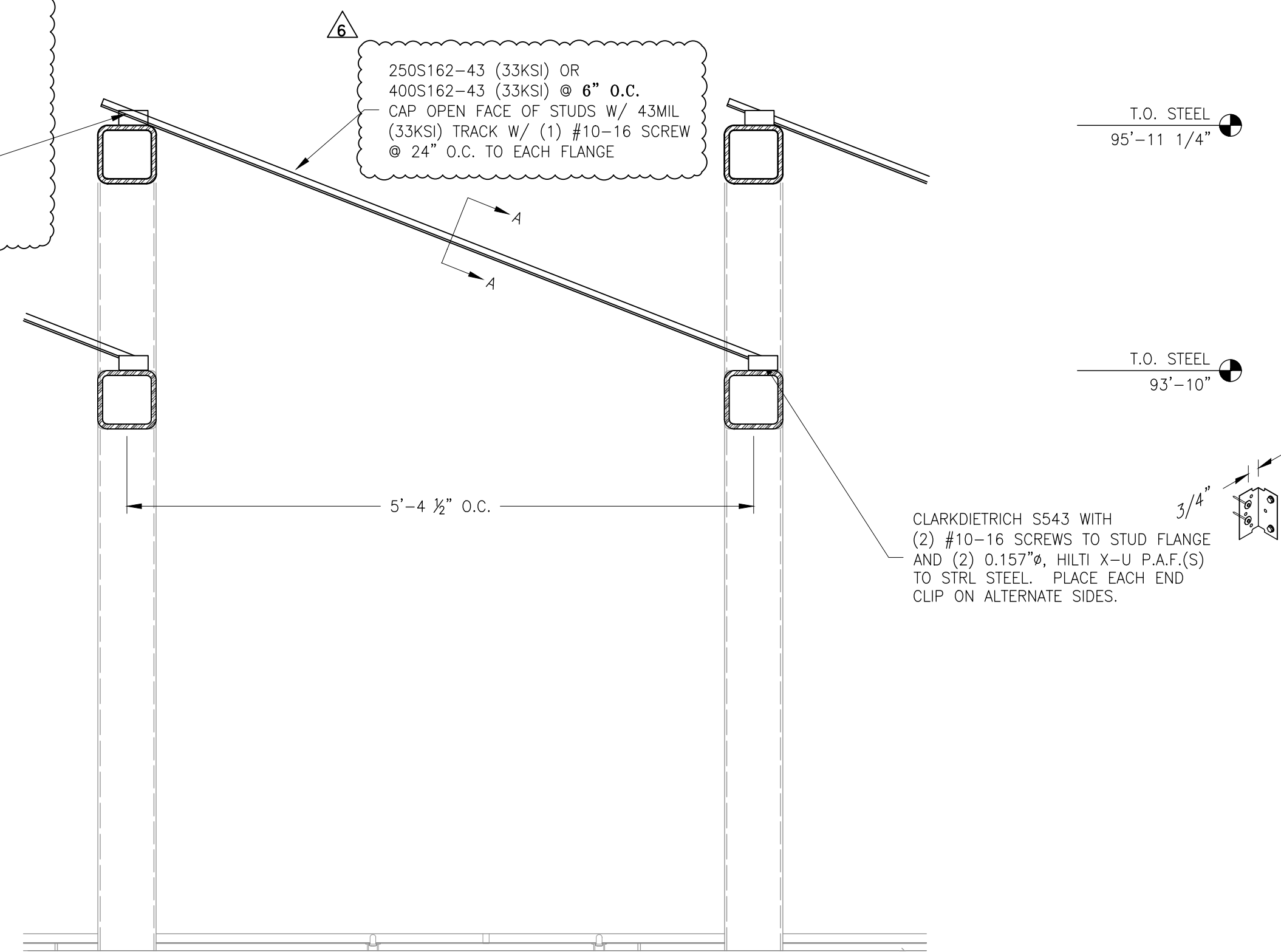
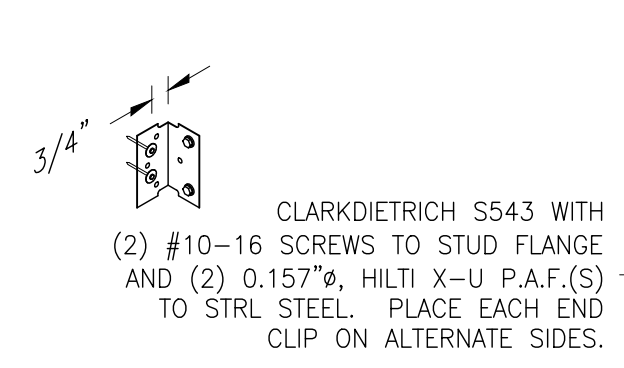
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NOTES:

- 1) CLARKDIETRICH DOES NOT RECOMMEND LEAVING COLD-FORMED STEEL FRAMING EXPOSED TO THE ELEMENTS (SEE CFSEI TECHNICAL NOTE D200-12 CORROSION PROTECTION FOR COLD-FORMED STEEL FRAMING IN COASTAL AREAS). ARCHITECT/OWNER MAY INSTALL AT THEIR OWN RISK.
- 2) NO ADDITIONAL SHEATHING SHALL BE ATTACHED TO THE TRELLIS. TRELLIS HAS NOT BEEN DESIGNED TO SUPPORT ANY ROOF LIVE LOAD OR ADDITIONAL CLADDING DEAD LOAD.



5 WALL SECTION AT ROOF TRELLIS
REF: RFI 5792

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Revisions

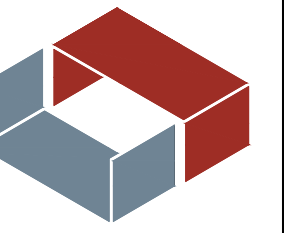
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3.	BAO	04/03/2023
4.	BAO	05/22/2023
5.	BAO	06/23/2023
6.	BAO	08/04/2023

Drawn:	Engineer:	Reviewed:
BAO	BAO	TG
Date:	11/15/2022	
Project Number:	2150220247-1	
Sheet Title:	ROOF TRELLIS SECTIONS	
Sheet No.	LSF-3.51	

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Drawn:

BAO BAO TG

Date:

11/15/2022

Project Number:

2150220247-1

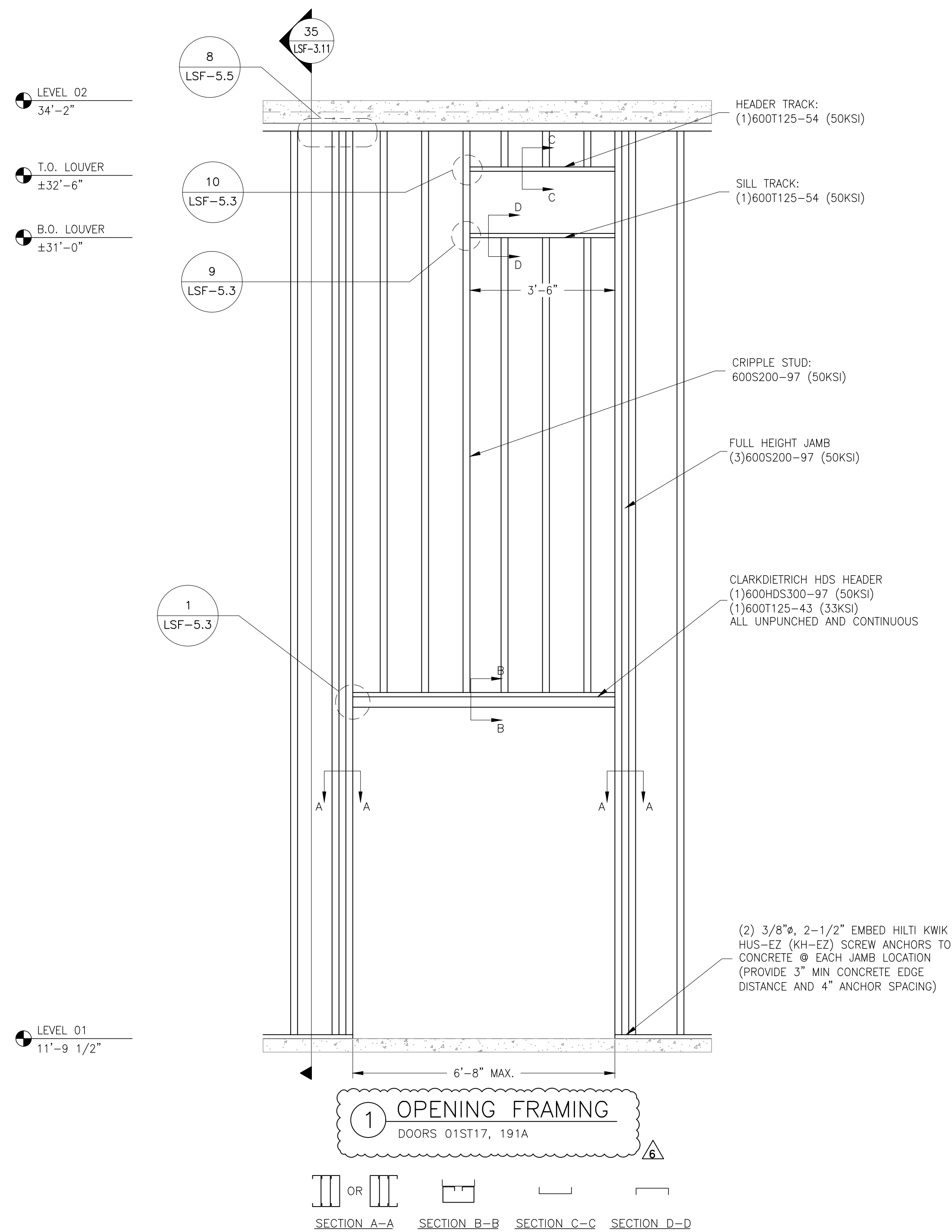
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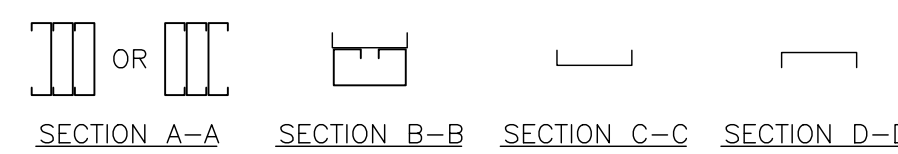
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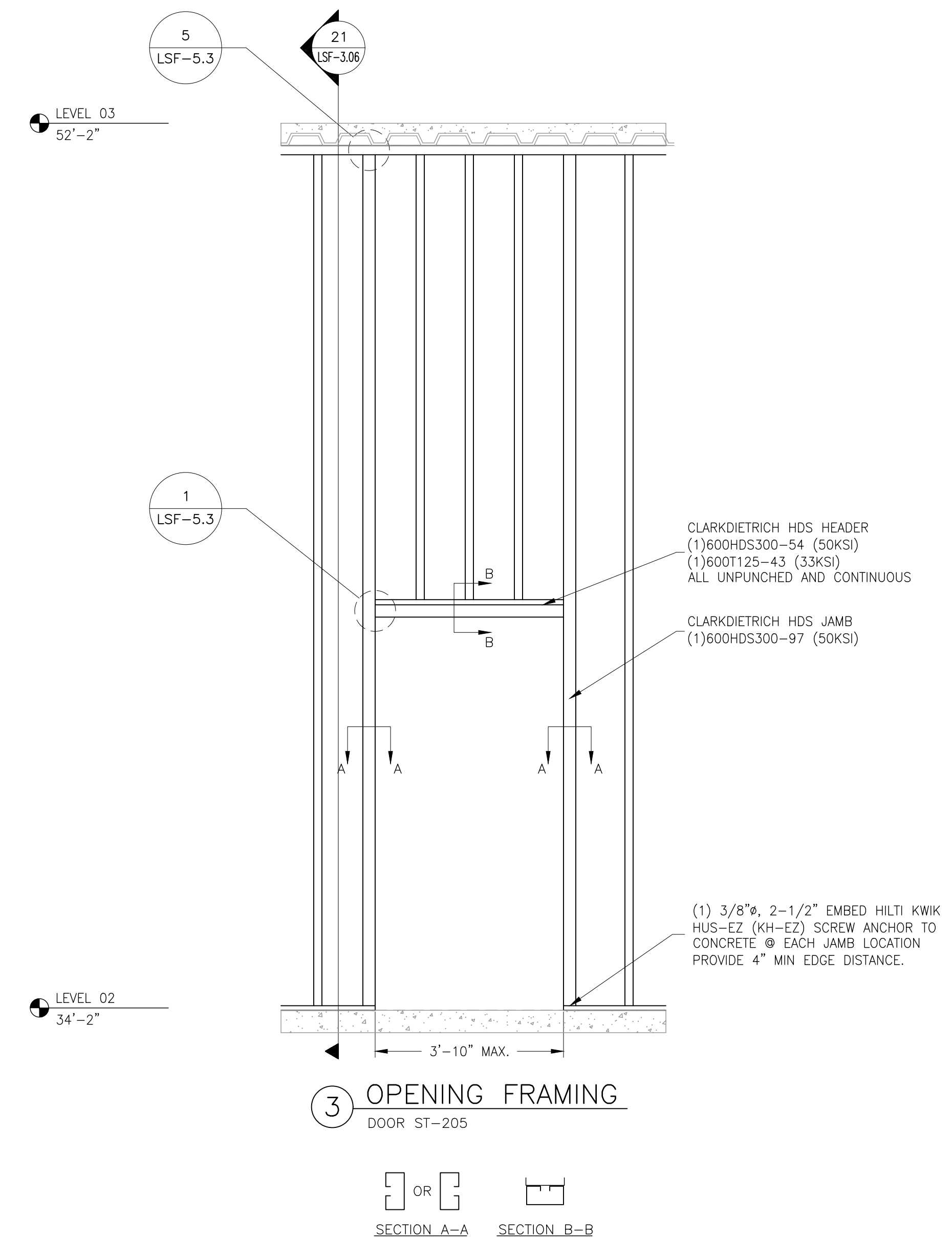
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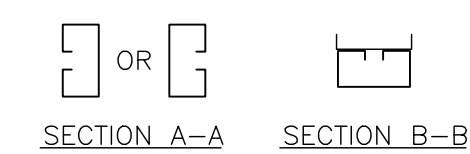
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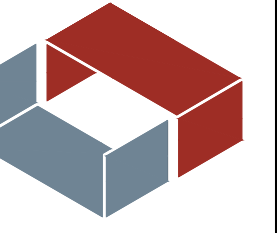


3 OPENING FRAMING
DOOR ST-205



GENERAL NOTES:

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Drawn: **BAO** Engineer: **BAO** Reviewed: **TG**

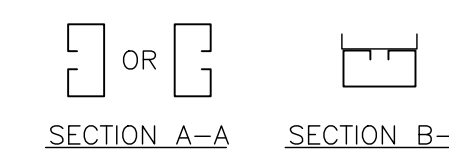
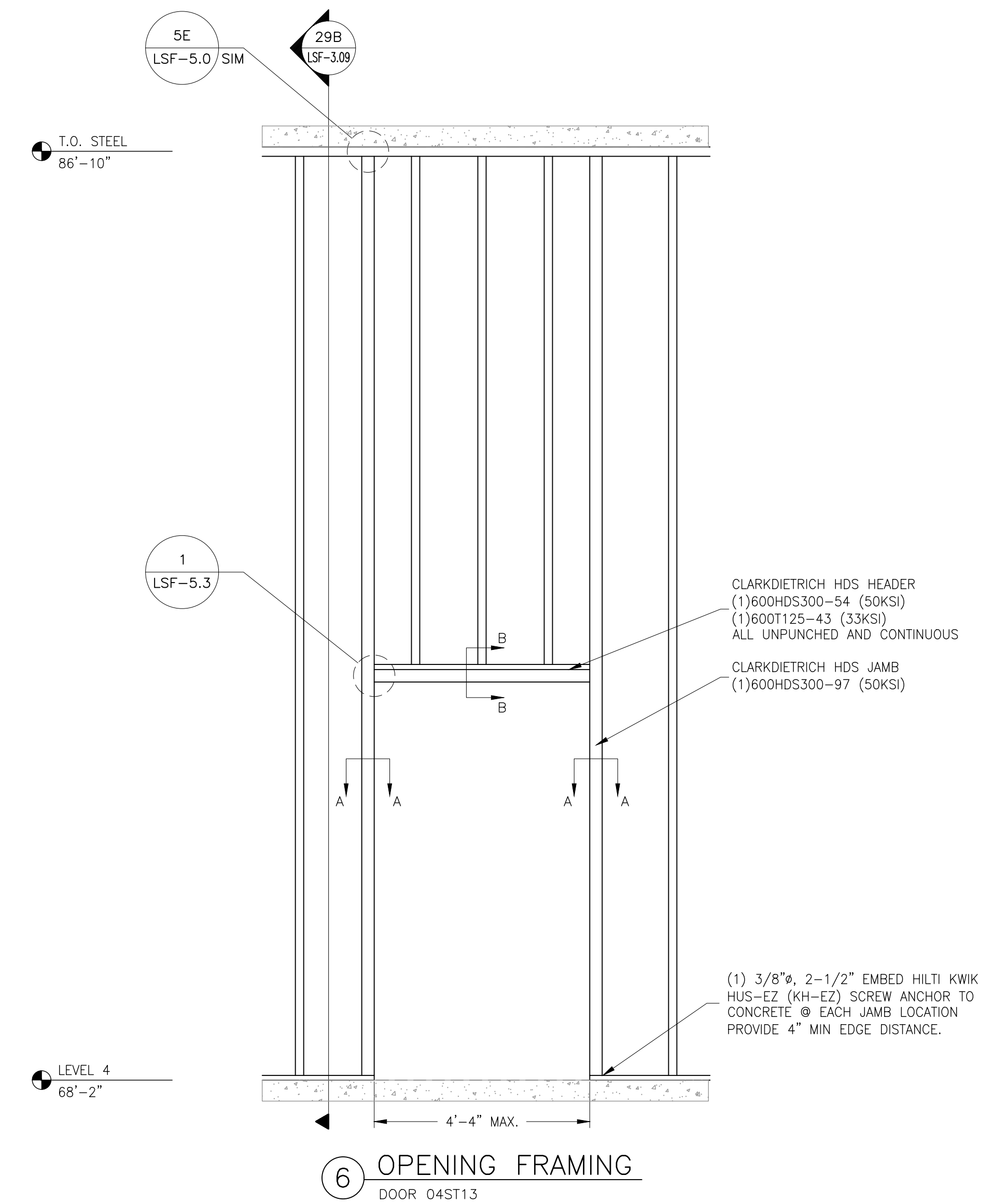
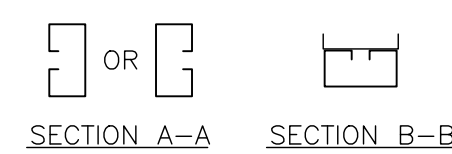
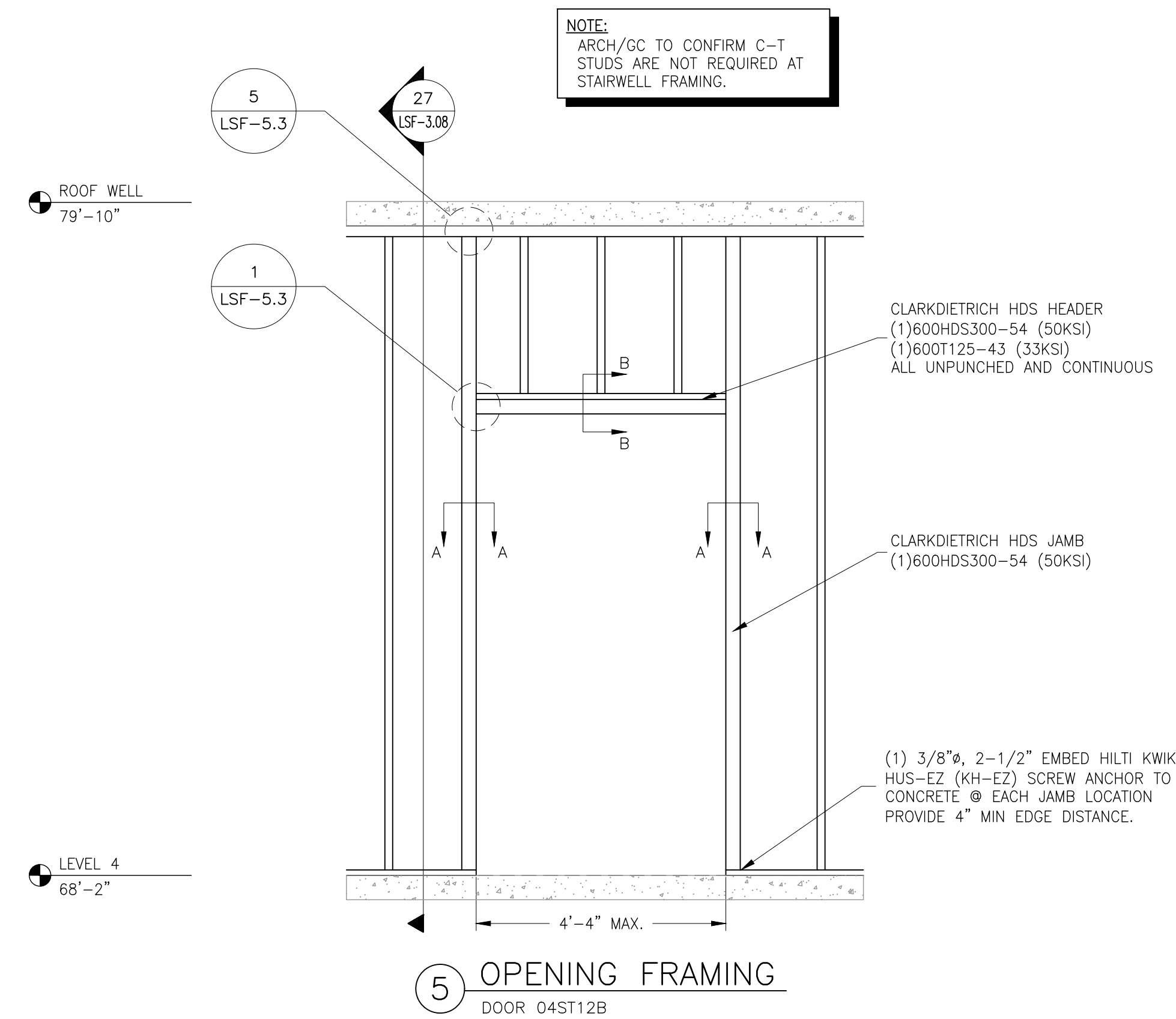
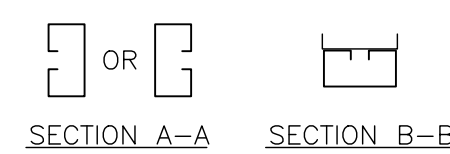
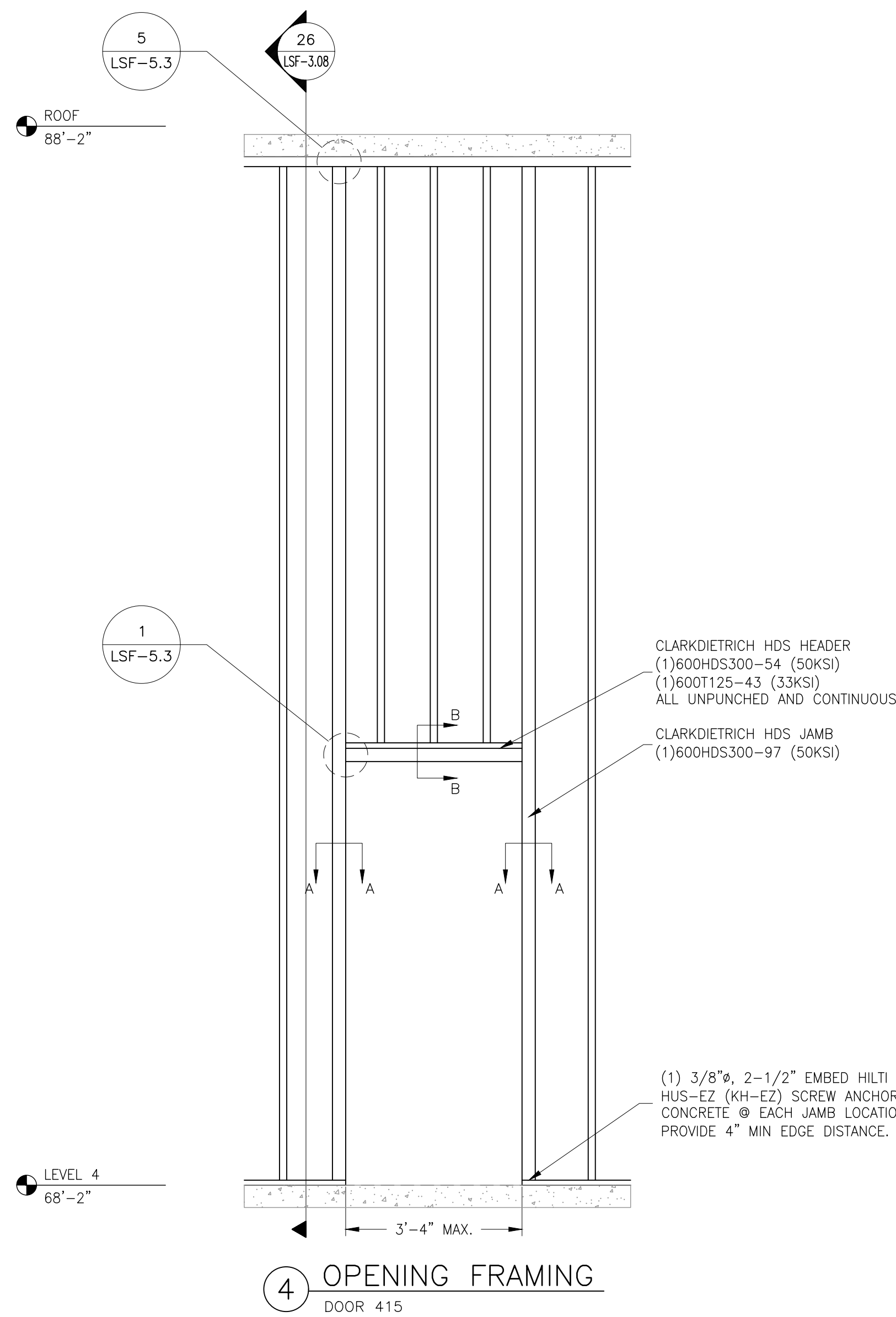
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2150220247-1

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LSF-4.1

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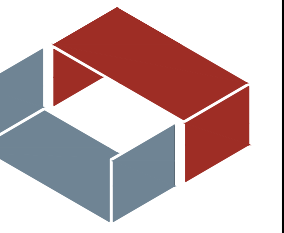


NOTE:
ARCH/GC TO CONFIRM C-T STUDS ARE NOT REQUIRED AT STAIRWELL FRAMING.

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Engineer:

BAO

Reviewed:

TG

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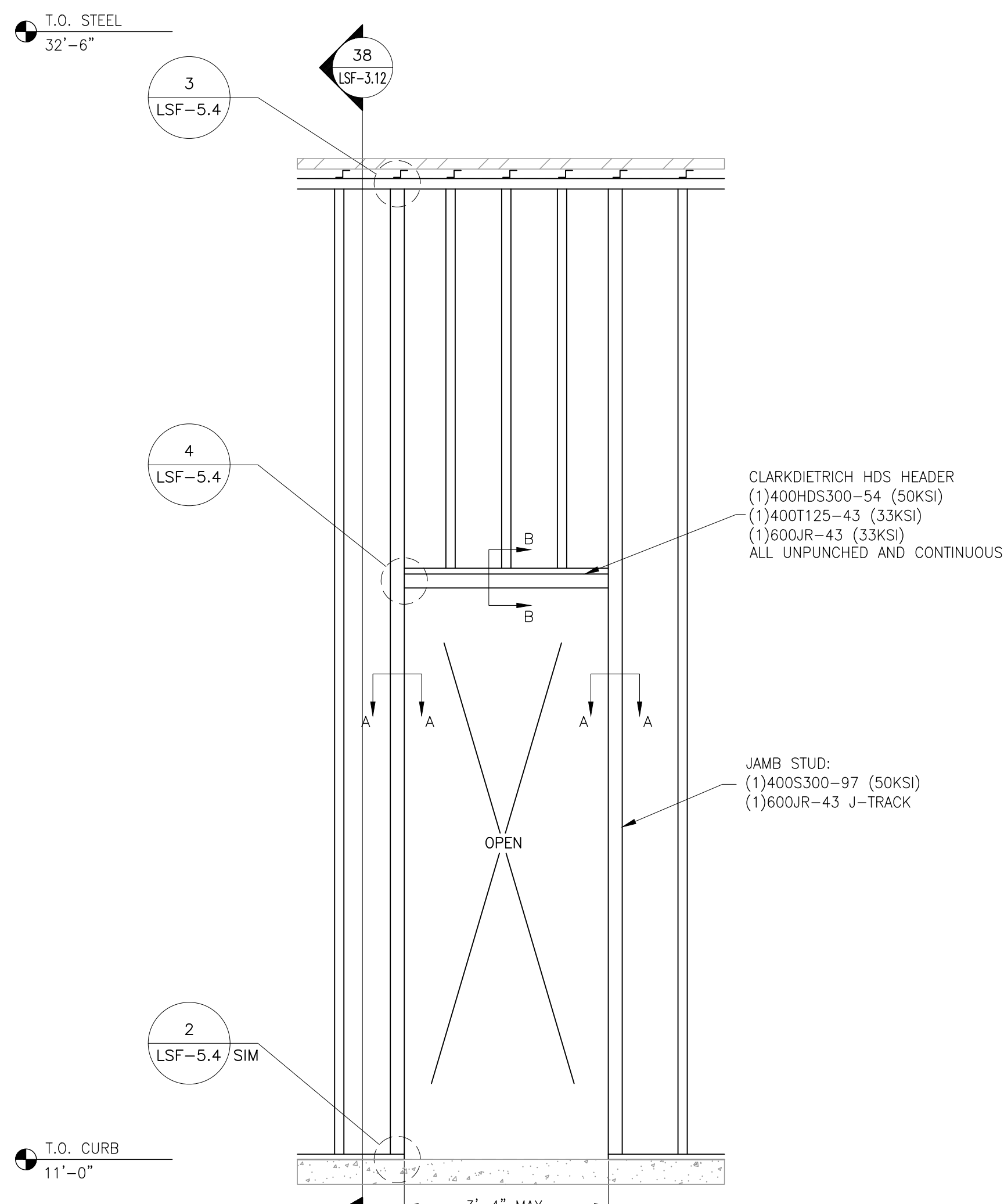
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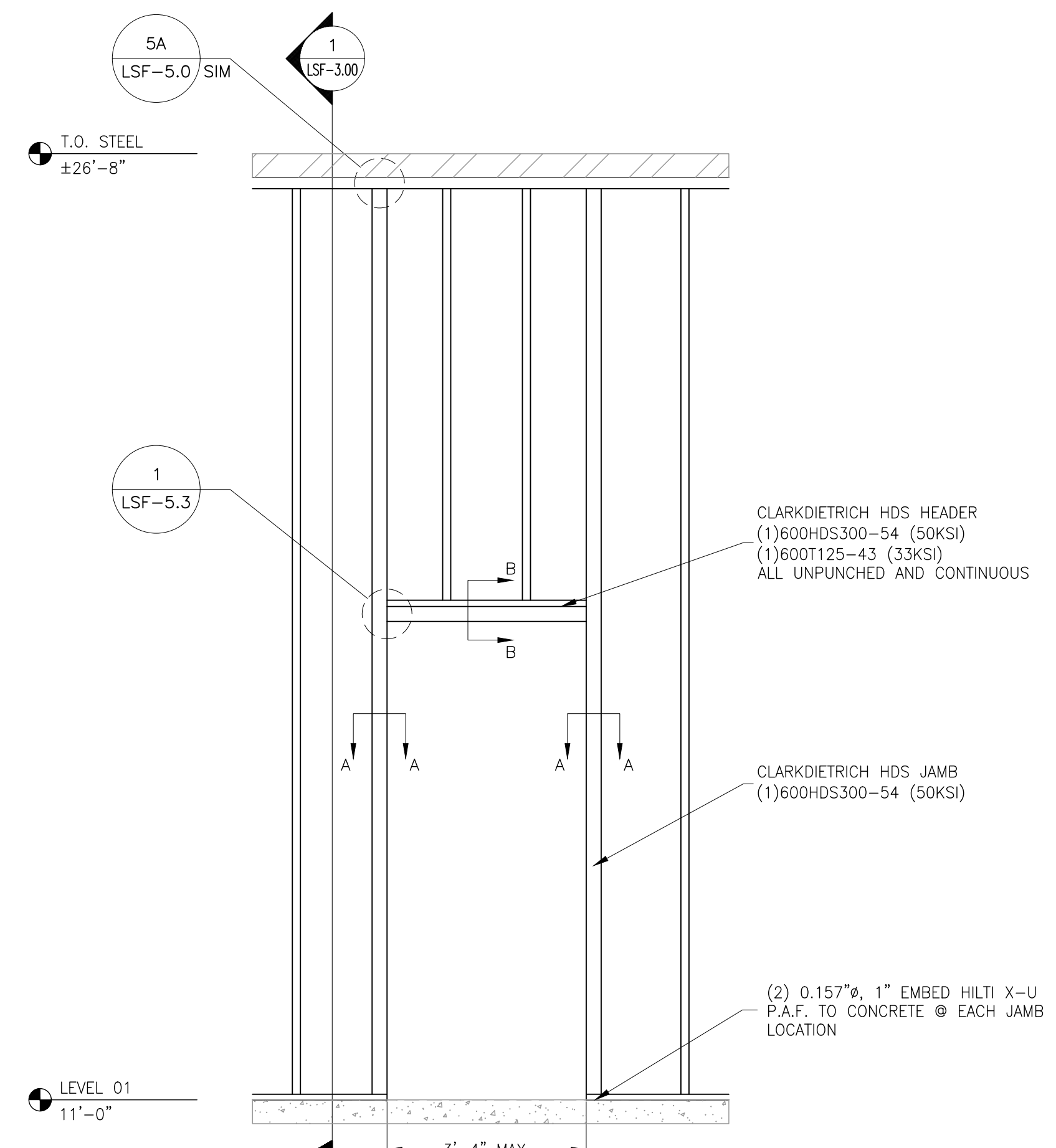
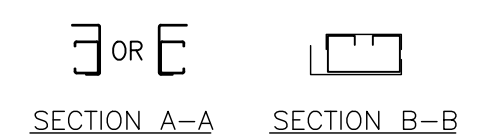
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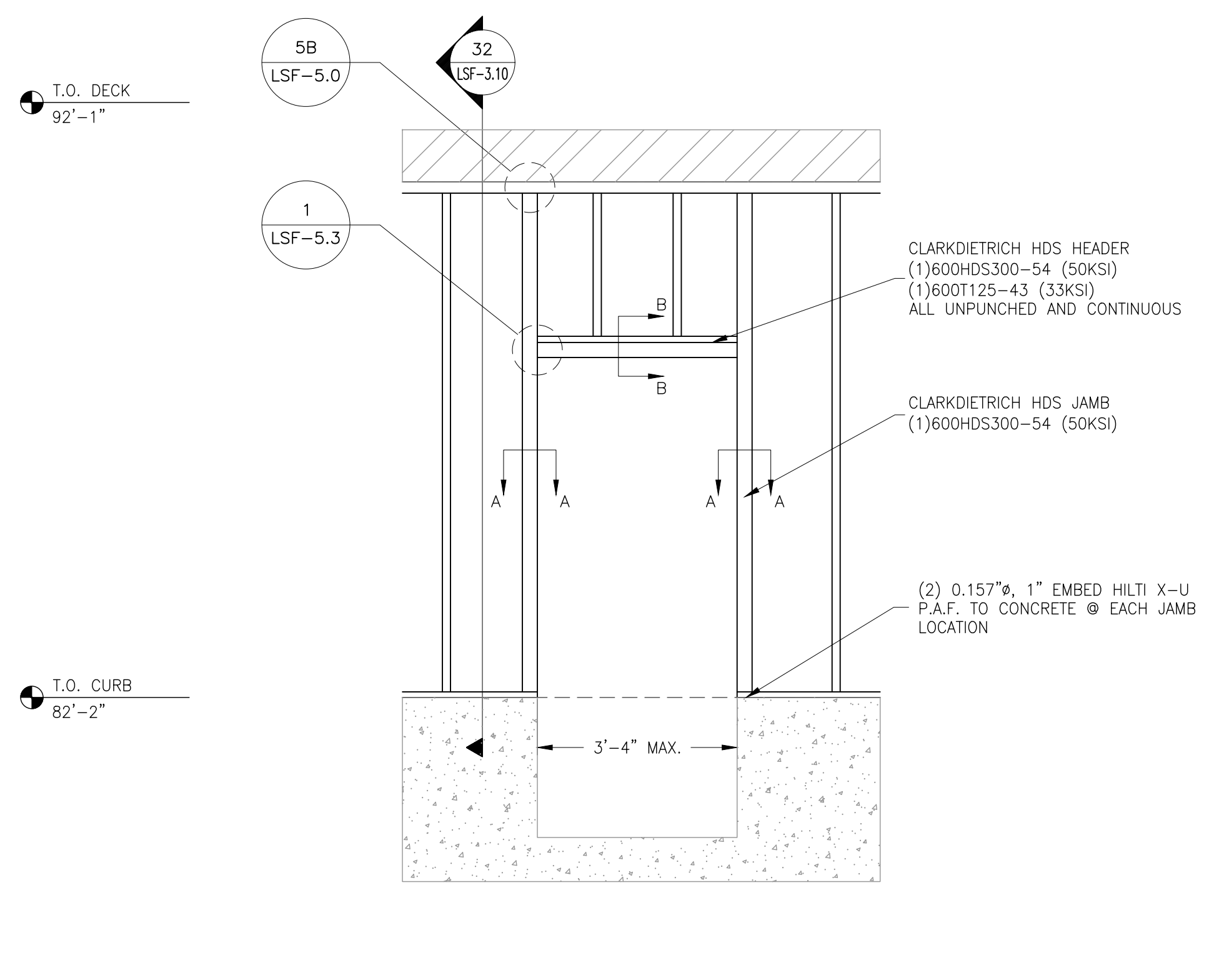
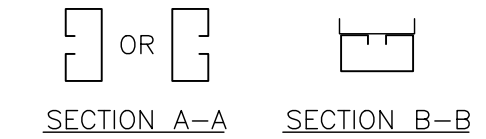
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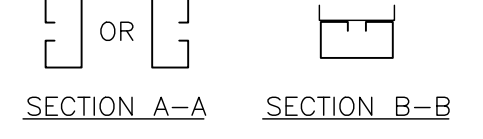
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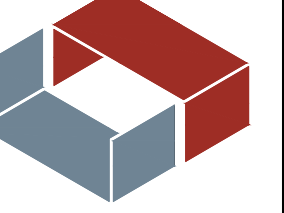


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Drawn:

BAO

Engineer:

BAO

Reviewed:

TG

Date:

11/15/2022

Project Number:

2150220247-1

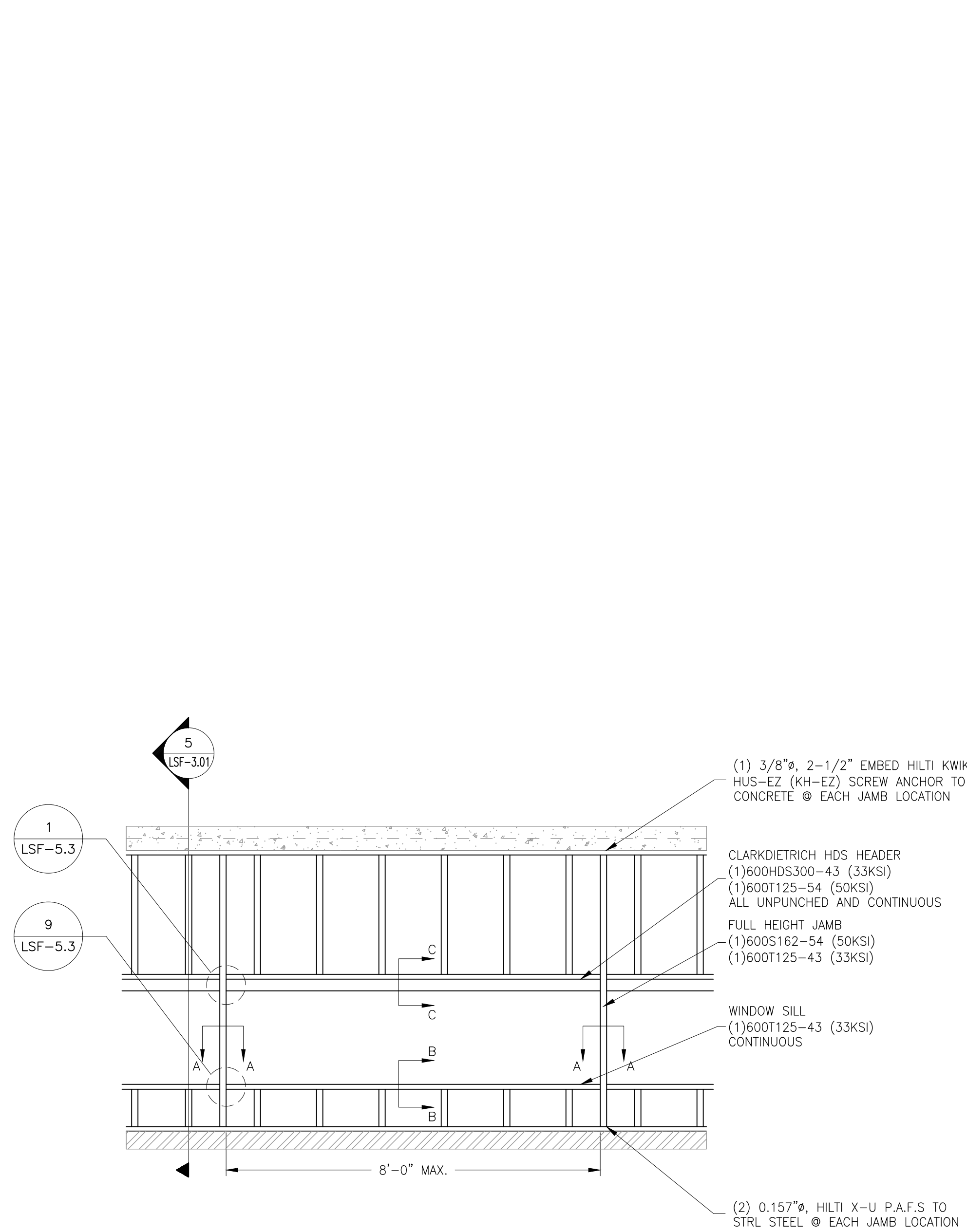
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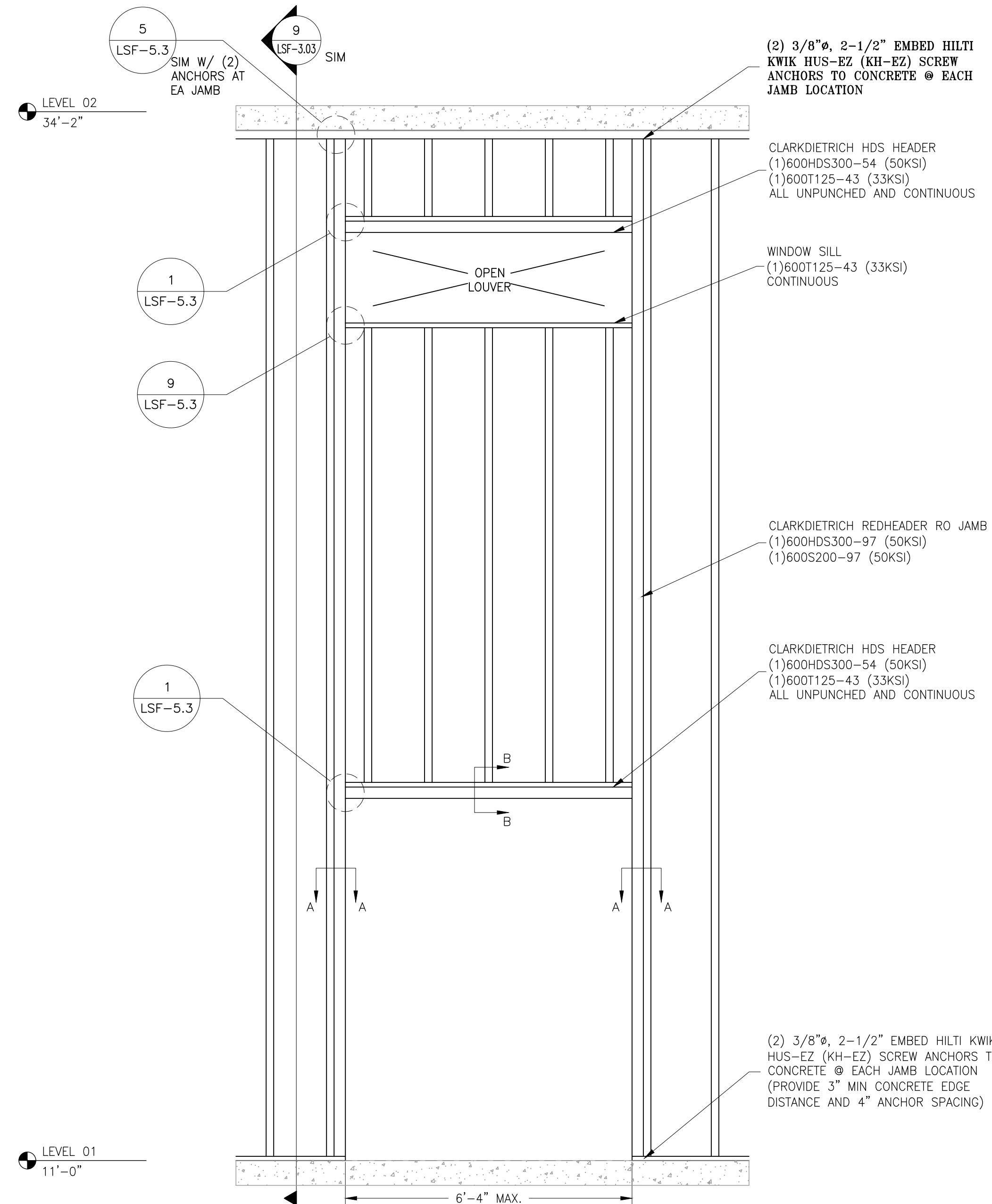
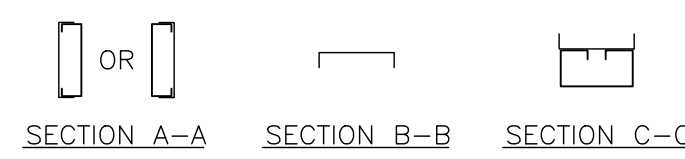
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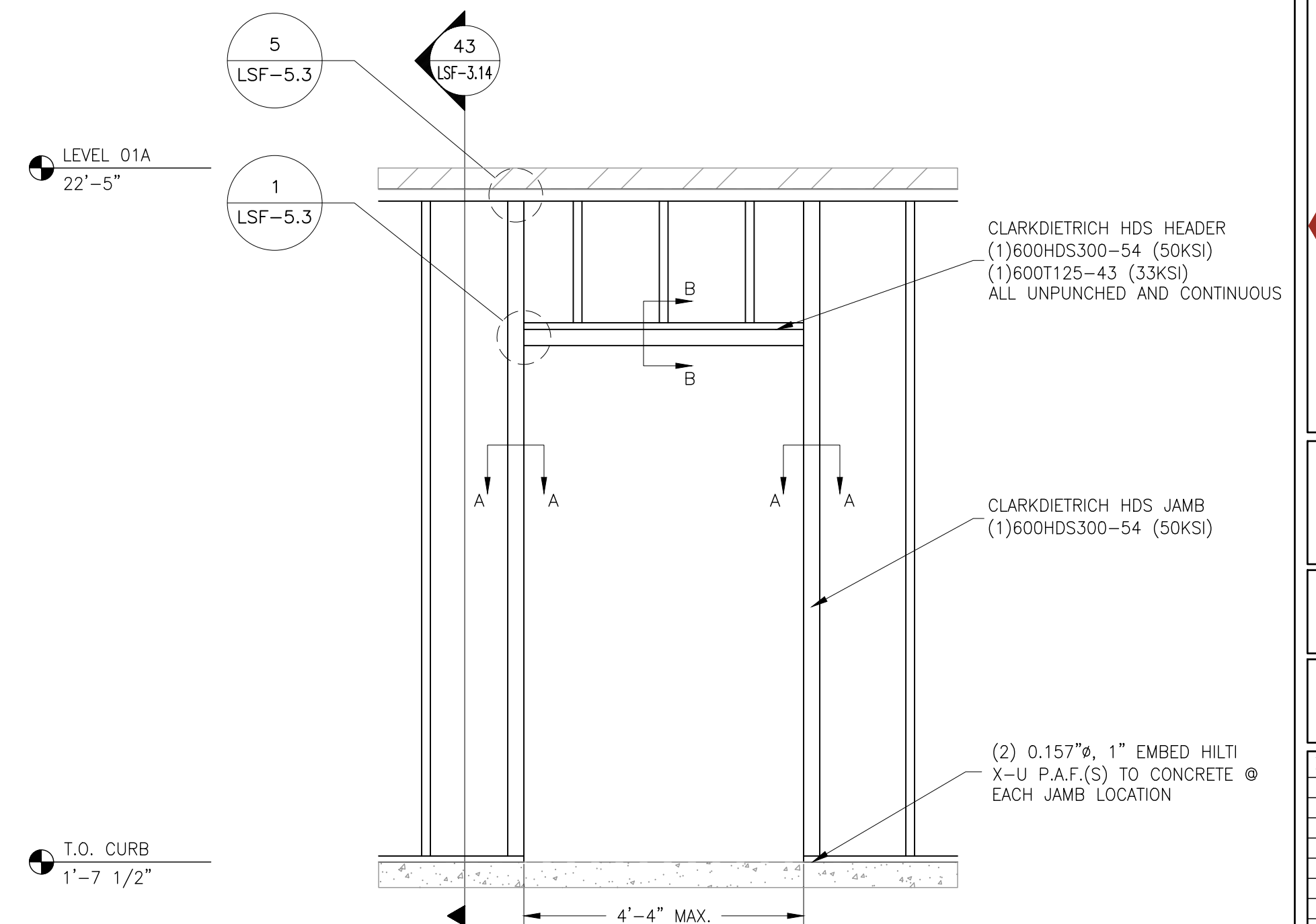
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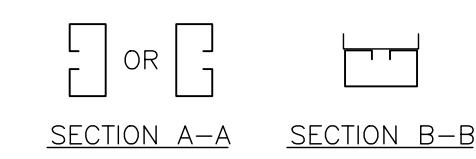
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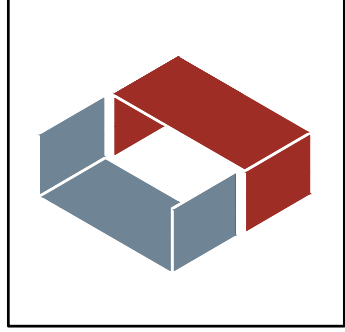
11 OPENING FRAMING
DOOR 177



12 OPENING FRAMING
DOOR 01ST16



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6	BAO	08/04/2023

Drawn: **BAO** Engineer: **BAO** Reviewed: **TG**

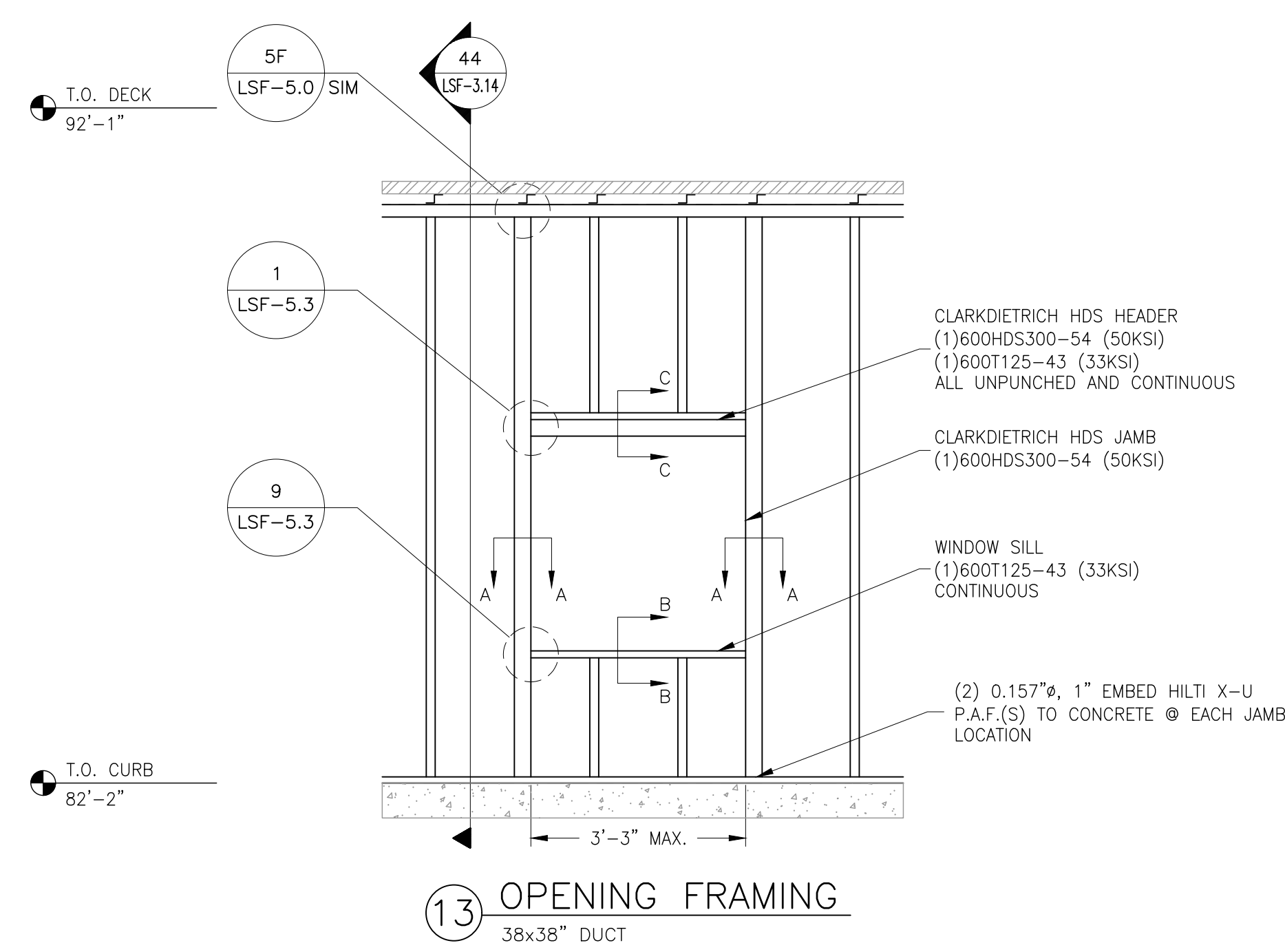
Date: **11/15/2022**

Project Number: **2150220247-1**

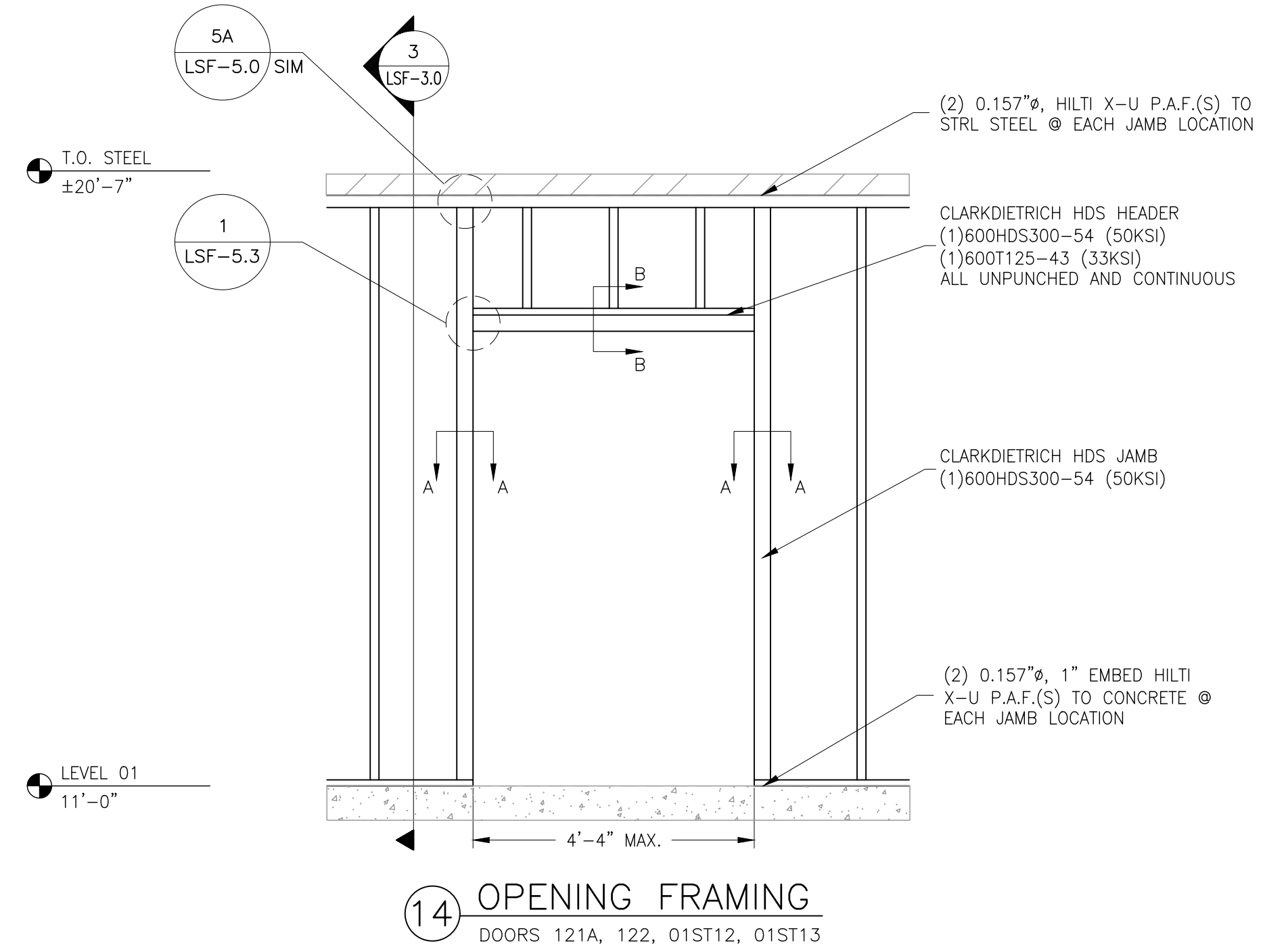
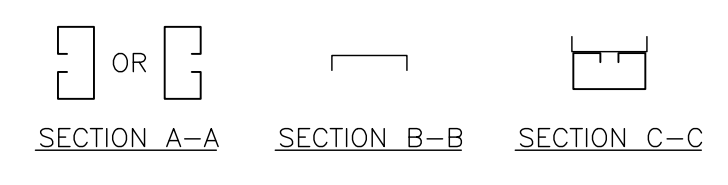
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Sheet No. **LSF-4.4**

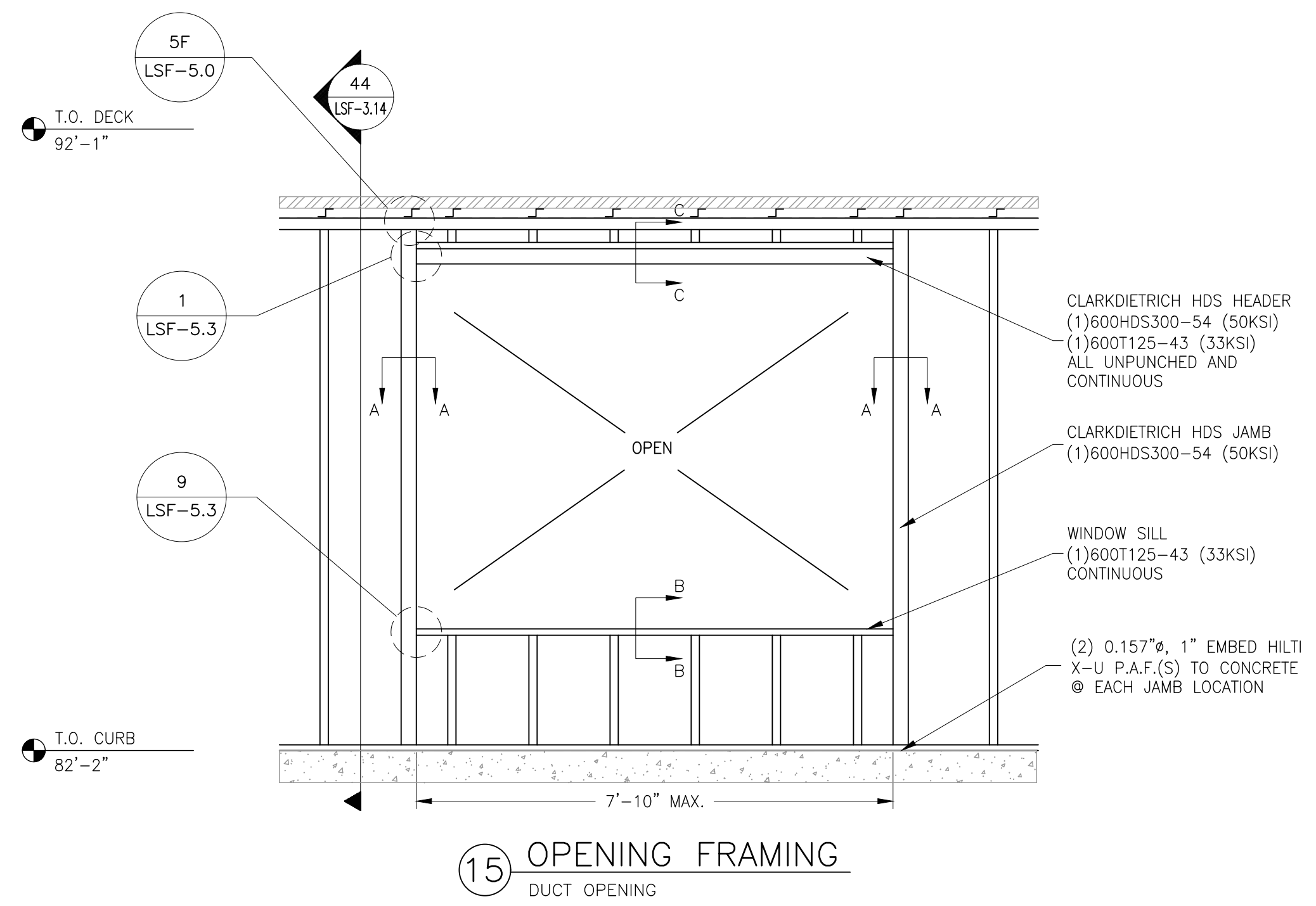
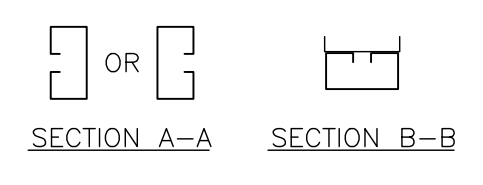
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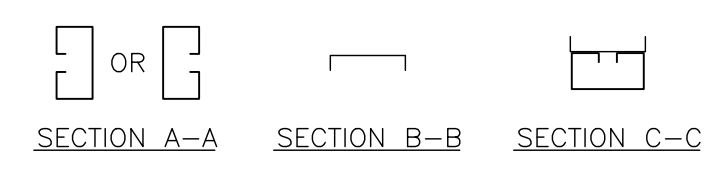
13 OPENING FRAMING
38x38" DUCT



14 OPENING FRAMING
DOORS 121A, 122, 01ST12, 01ST13

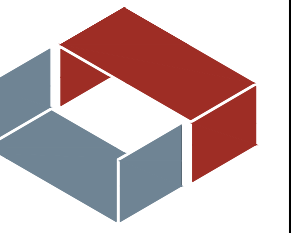


15 OPENING FRAMING
DUCT OPENING



GENERAL NOTES:

- 1) SEE DETAIL 4/LSF-5.0 FOR GENERAL JAMB ASSEMBLY INFORMATION (U.N.O.).
- 2) ALL DIMENSIONS AND ELEVATIONS ARE LISTED FOR REFERENCE AND ENGINEERING PURPOSES ONLY. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT DIMENSIONS AND ELEVATIONS.
- 3) CRIPPLE STUD SIZE, THICKNESS, YIELD STRENGTH, SPACING, AND CONNECTIONS TO STRUCTURE TO BE THE SAME AS WALL STUDS - REFERENCE WALL SECTIONS (U.N.O.).



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Revisions

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5.	BAO	06/23/2023
6.	BAO	08/04/2023

Drawn: Engineer: Reviewed:

BAO BAO TG

Date:

11/15/2022

Project Number:

2150220247-1

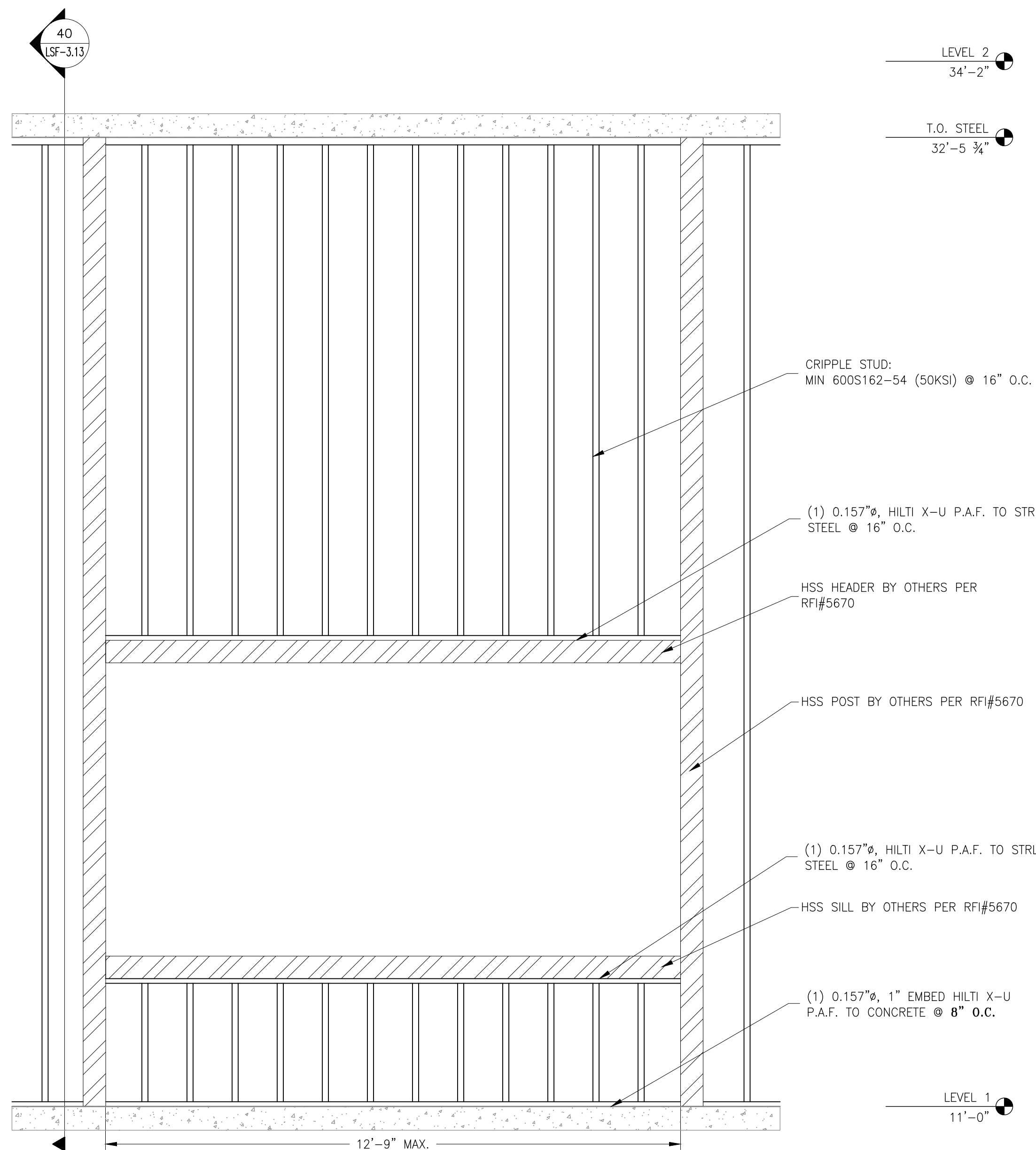
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OPENING FRAMING

Sheet No.

LSF-4.5

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16 OPENING FRAMING

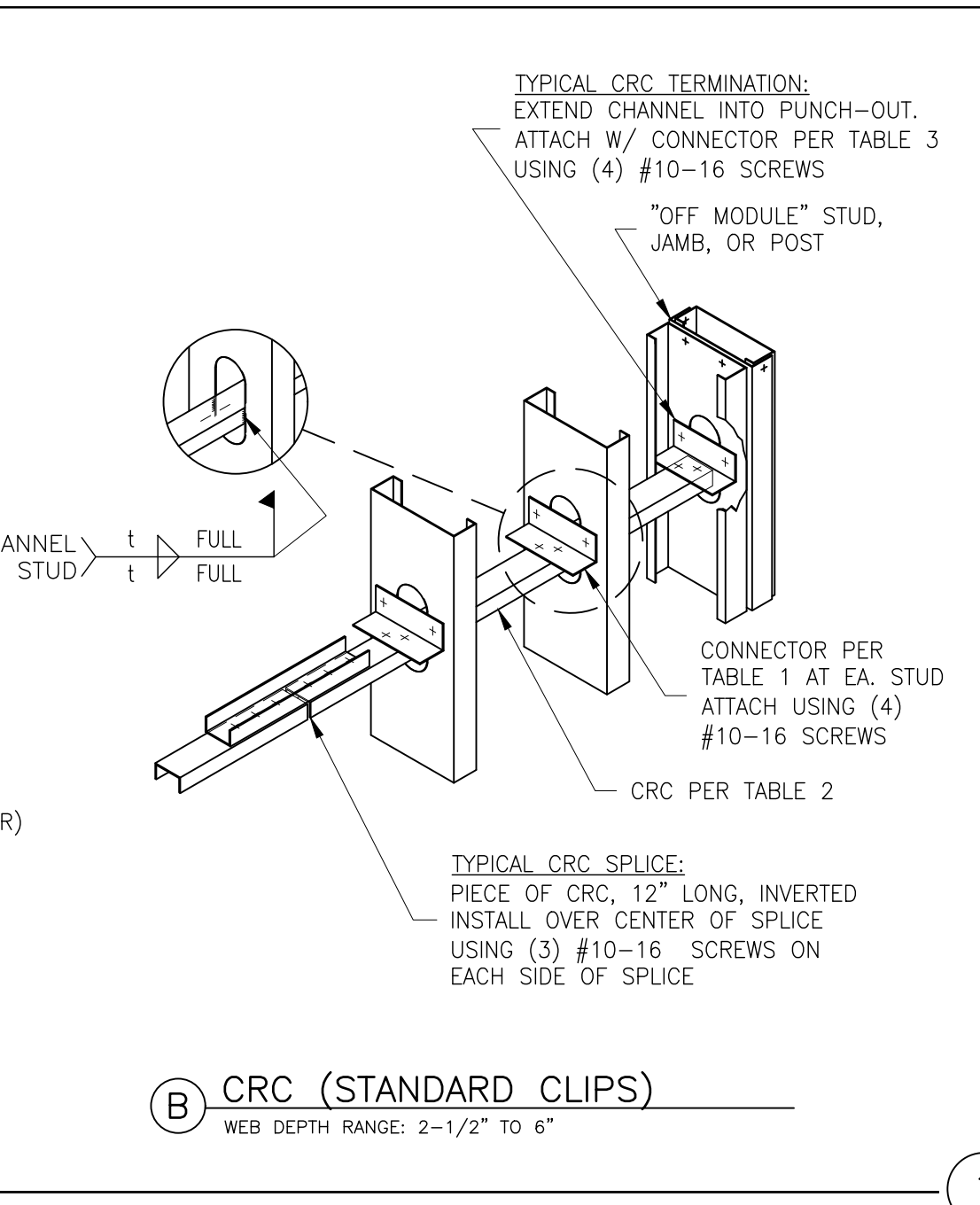
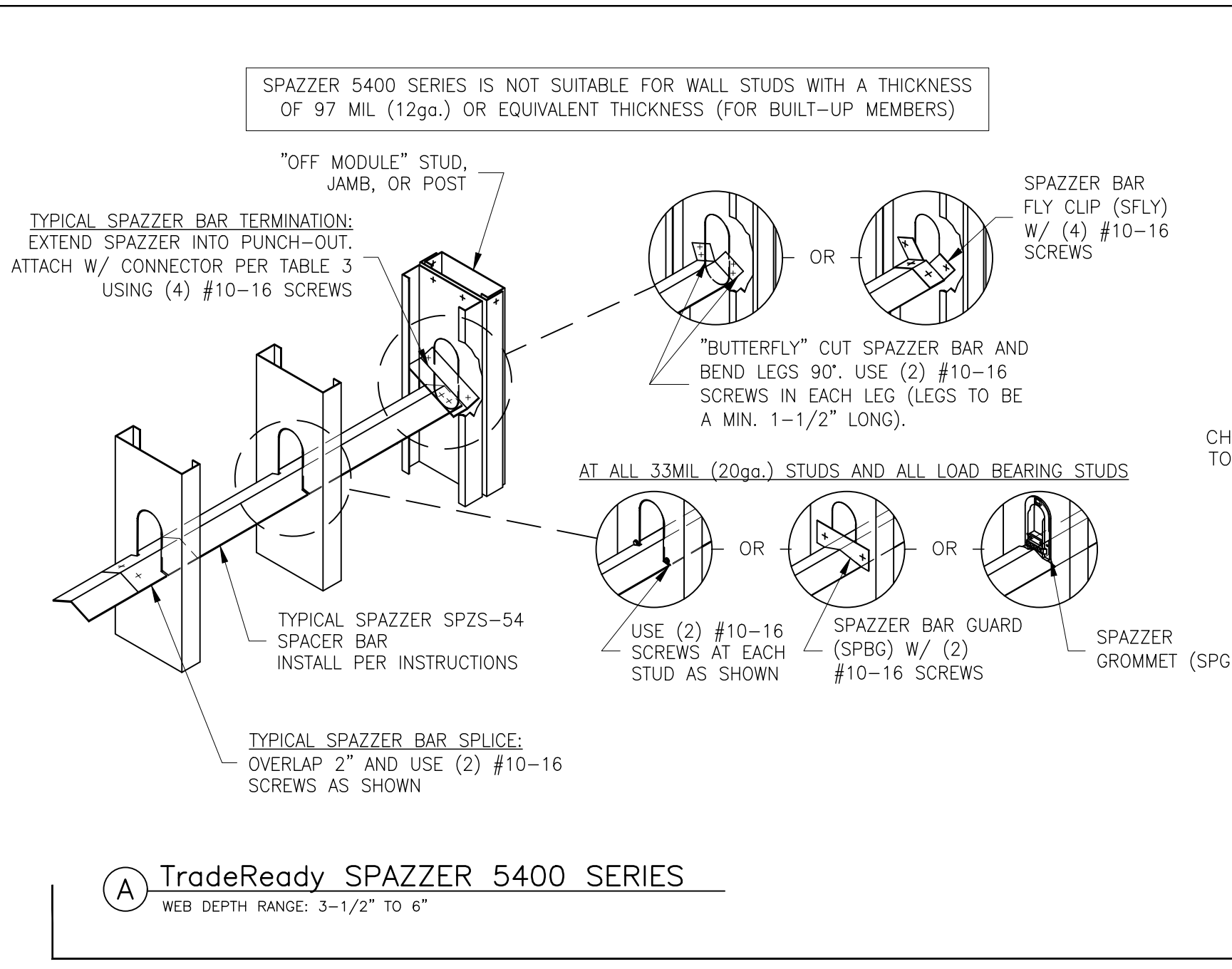


TABLE 1

STUD DEPTH	CONNECTOR
6"	CLARKDIETRICH U545/X545/LS545
3-5/8"	CLARKDIETRICH U543/X543/LS543
OTHER	1-1/2" x 1-1/2" x 54MIL (50KSI) CLIP ANGLE, LENGTH: 1/4" LESS THAN STUD DEPTH

TABLE 2

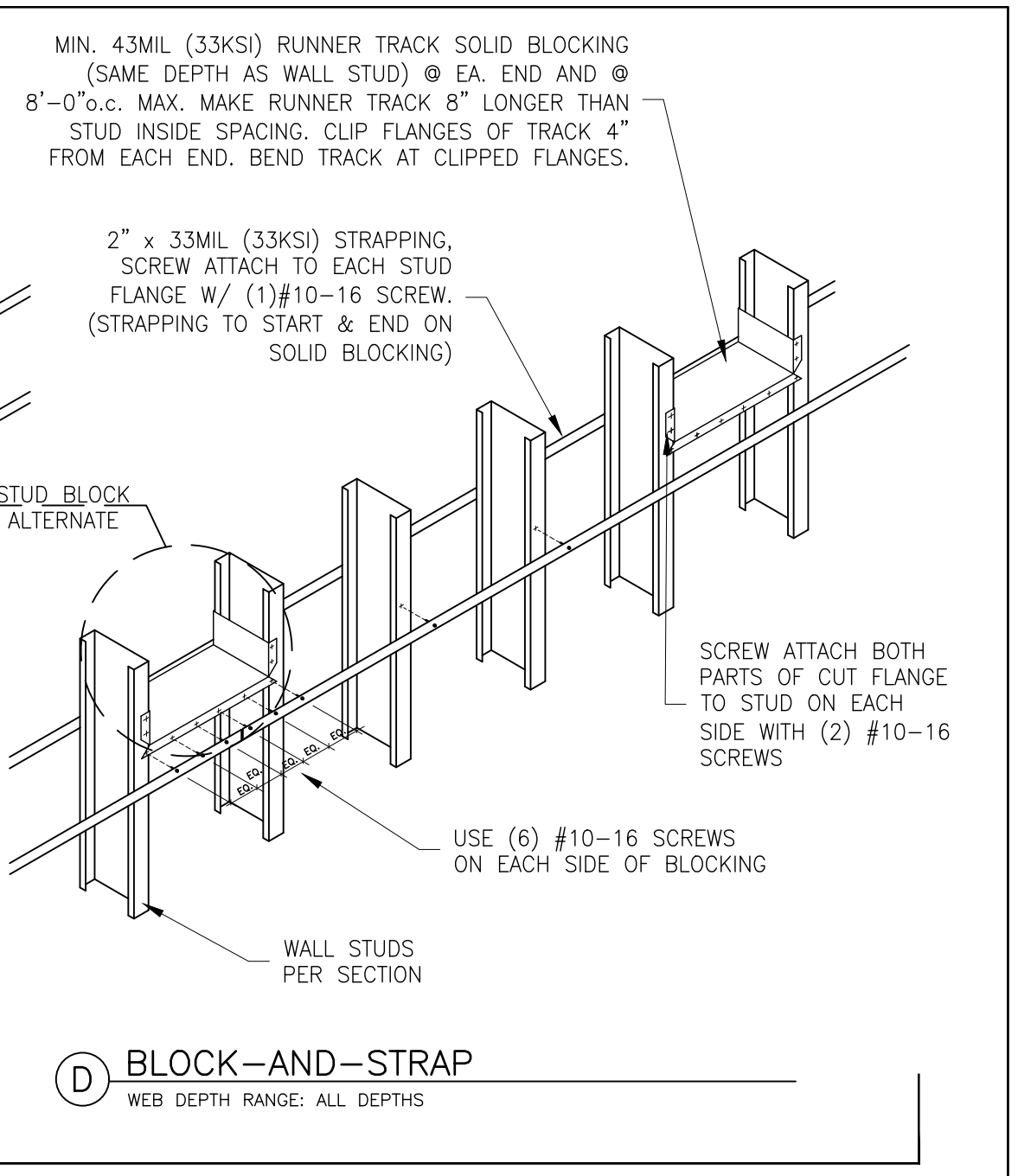
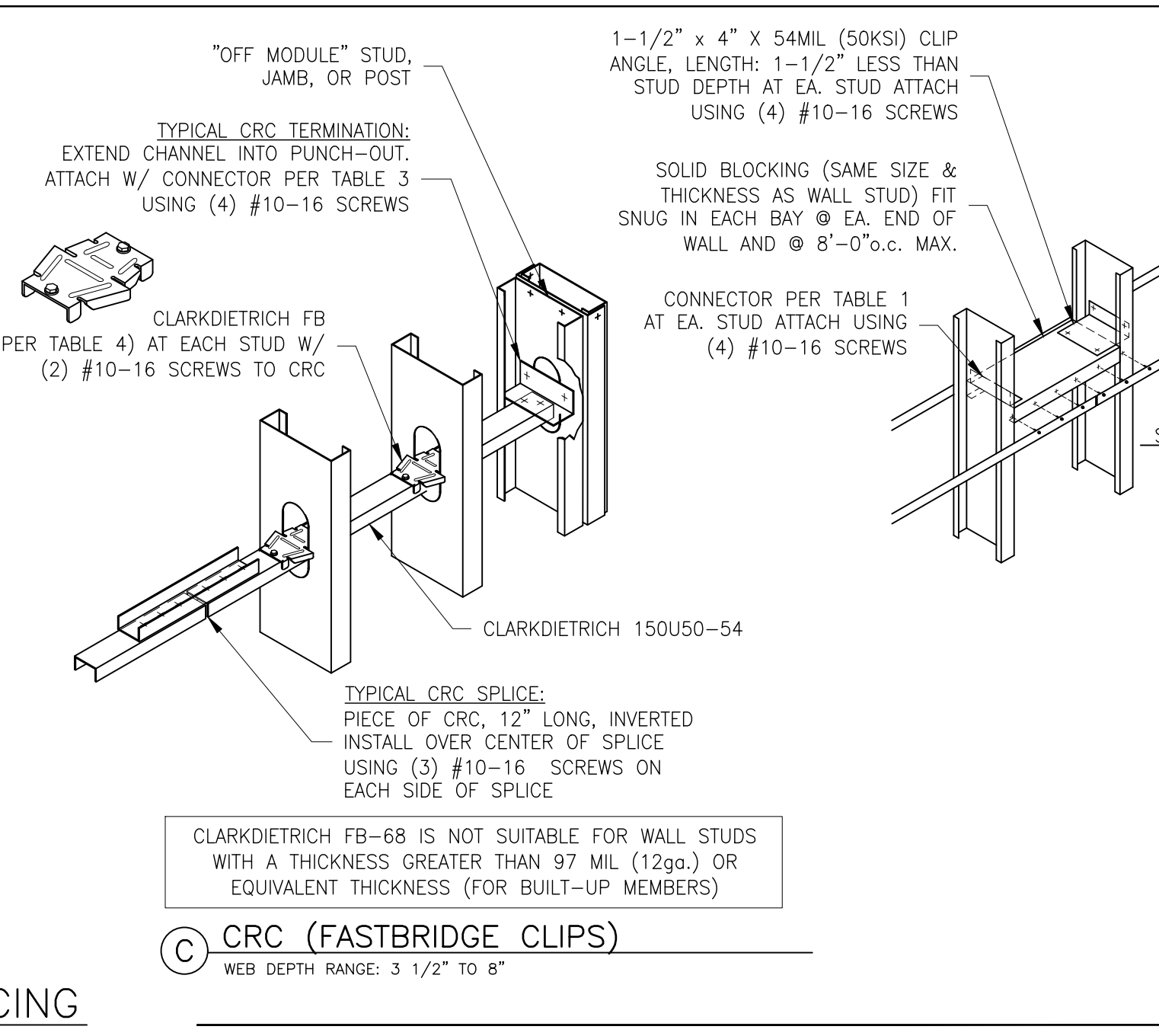
STUD DEPTH	CRC
3-1/2" MIN.	CLARKDIETRICH 150U50-54
2-1/2"	CLARKDIETRICH 075U50-54

TABLE 3

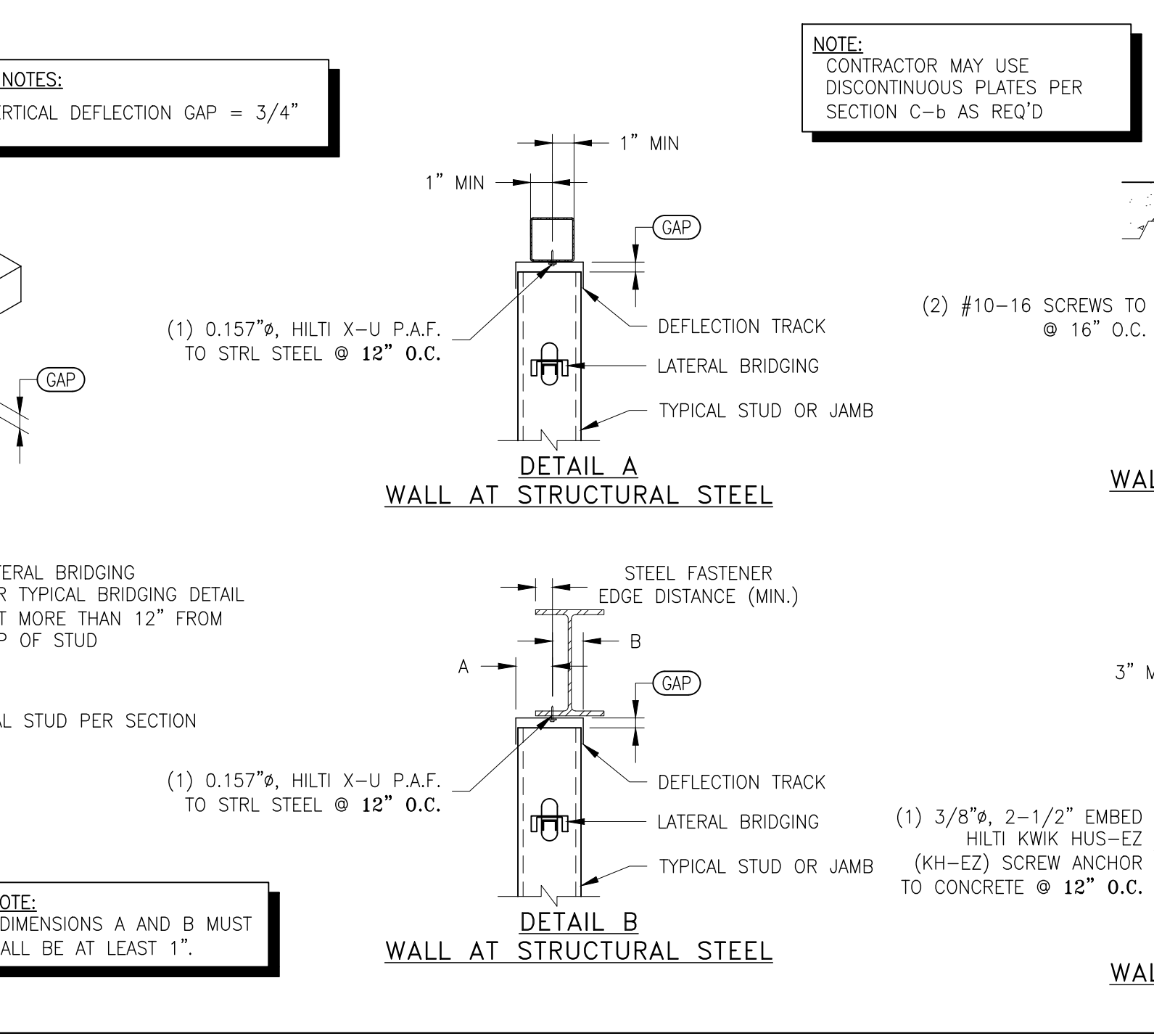
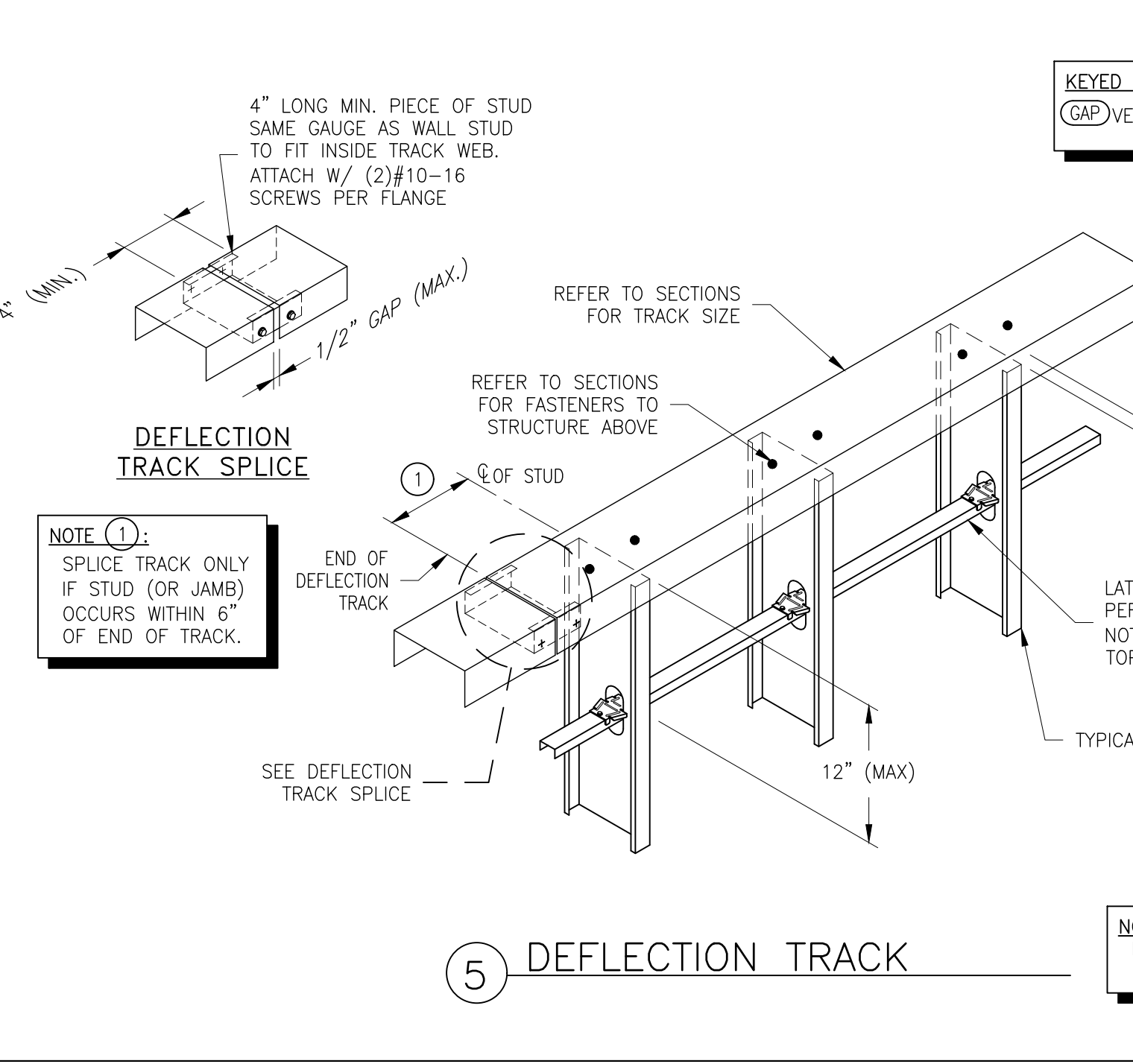
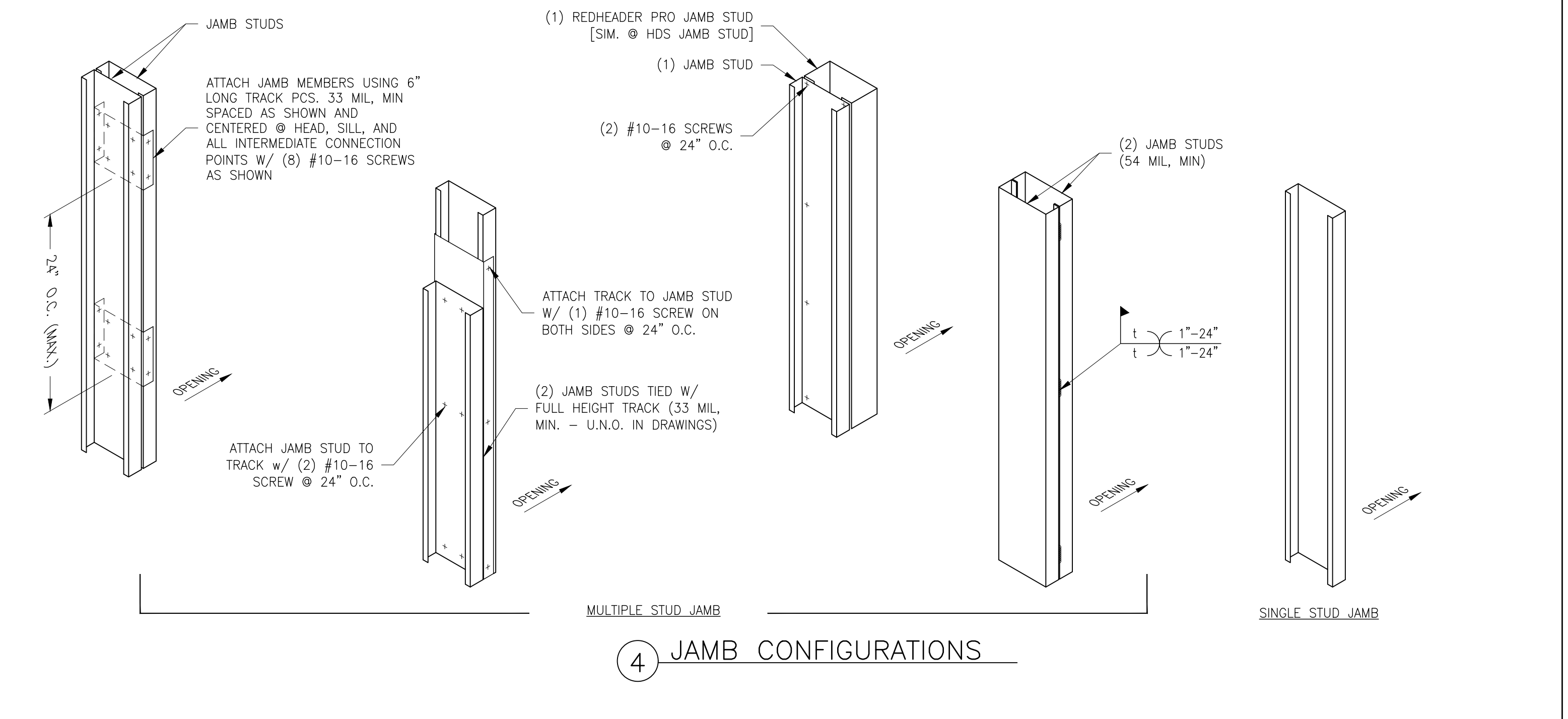
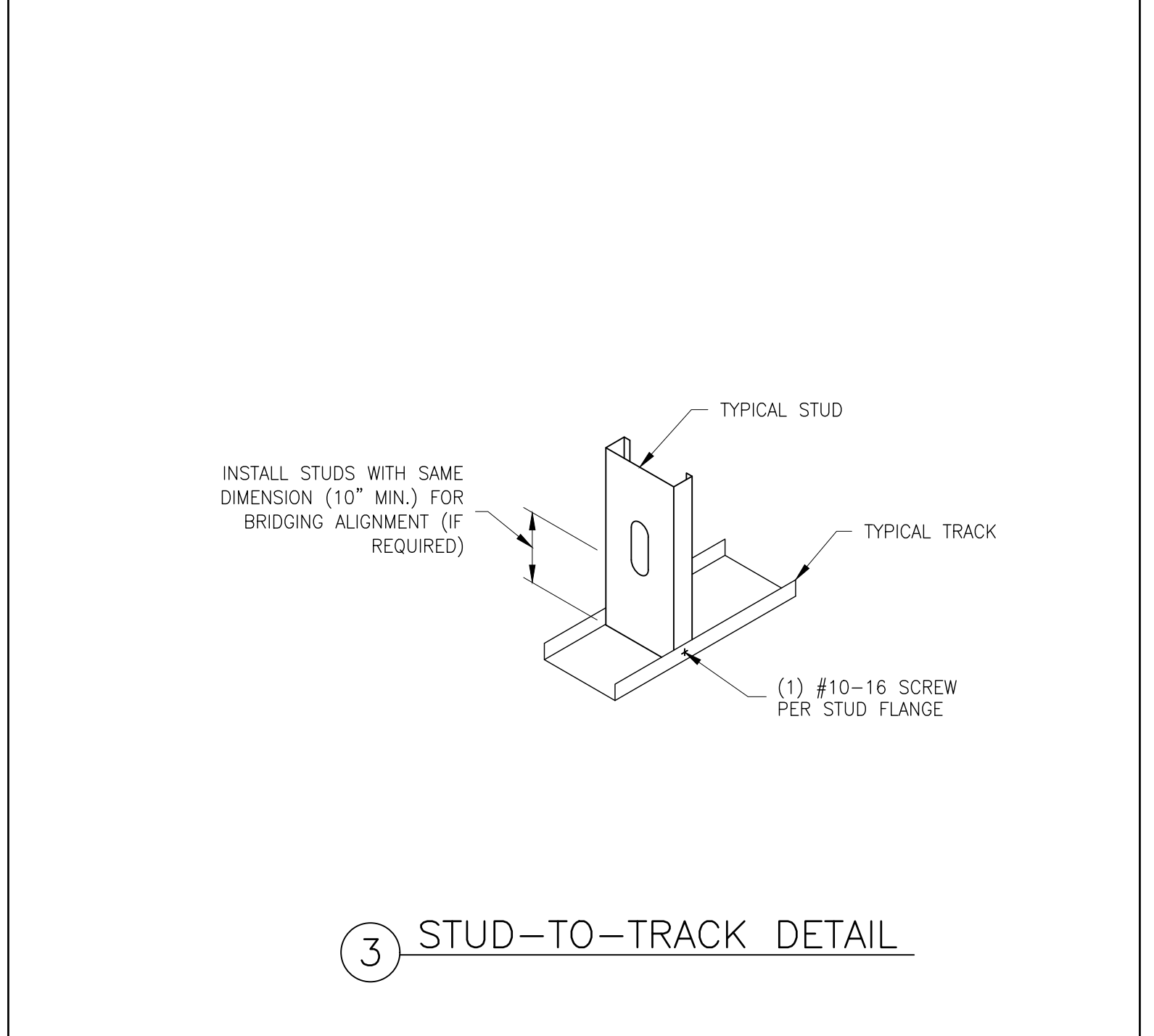
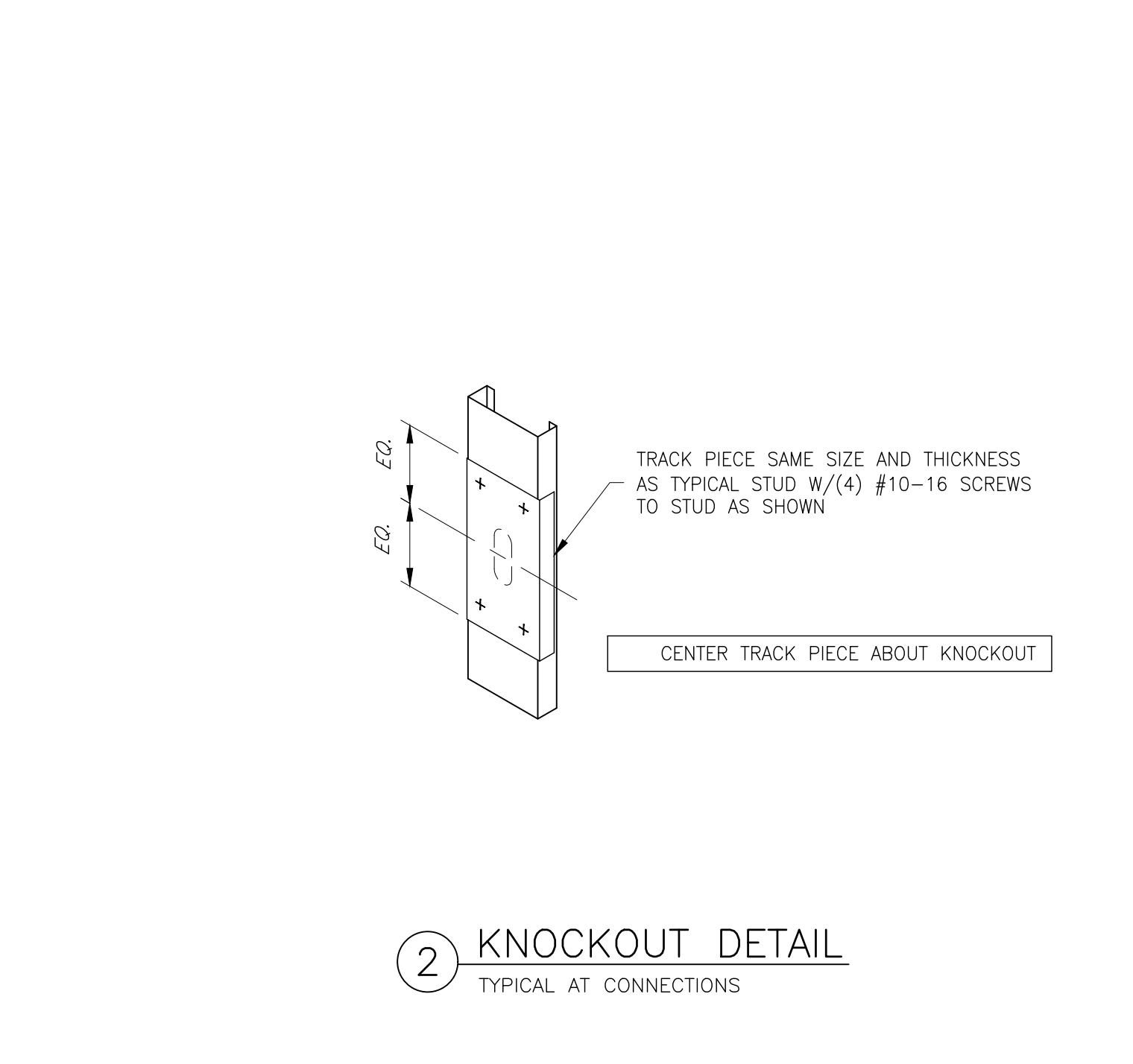
STUD DEPTH	CONNECTOR
6"	CLARKDIETRICH LS545
3-5/8"	CLARKDIETRICH LS543
OTHER	1-1/2" x 1-1/2" x 54MIL (50KSI) CLIP ANGLE, LENGTH: 1/2" LESS THAN STUD DEPTH

TABLE 4

STUD THICKNESS	CONNECTOR
33 - 43 MIL	CLARKDIETRICH FB-43
54 - 97 MIL	CLARKDIETRICH FB-68



1 TYPICAL LATERAL BRACING
EACH END OF LATERAL BRACING MUST BE RIGIDLY FIXED OR OTHERWISE PREVENTED FROM HORIZONTAL MOVEMENT.



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6	BAO	08/04/2023

Drawn: BAO Engineer: BAO Reviewed: TG

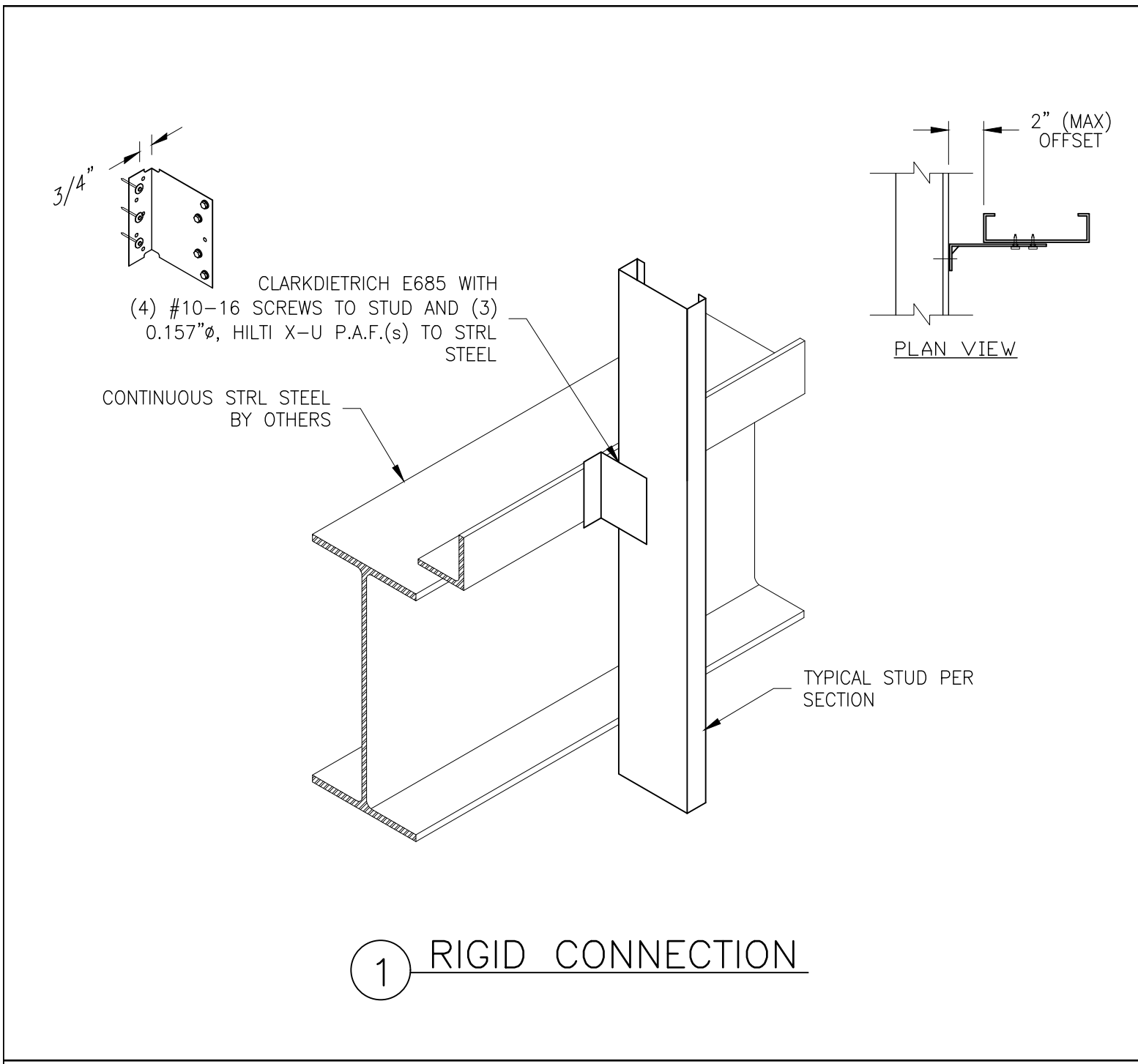
Date: 11/15/2022

Project Number: 2150220247-1

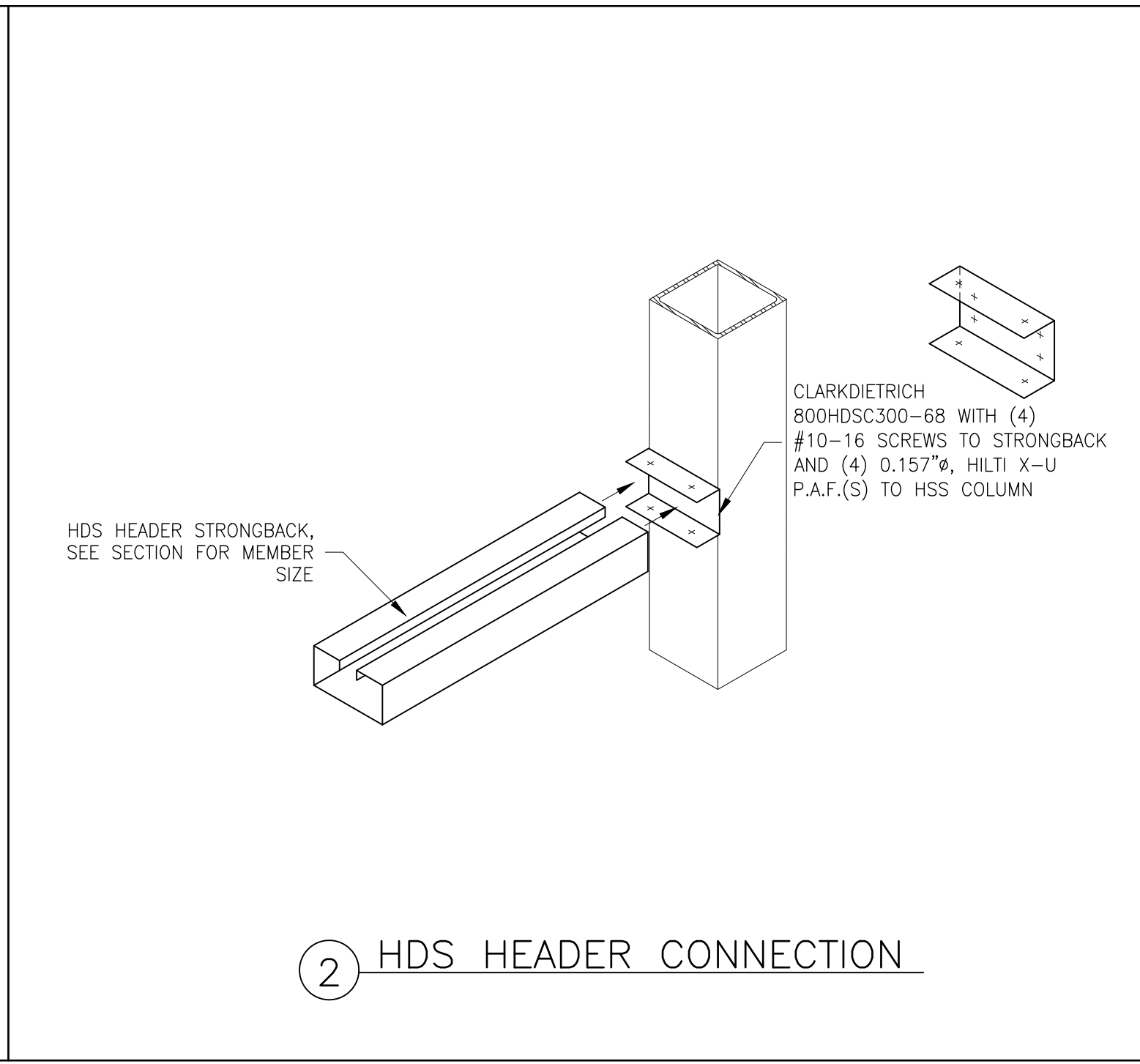
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Sheet No. **LSF-5.0**

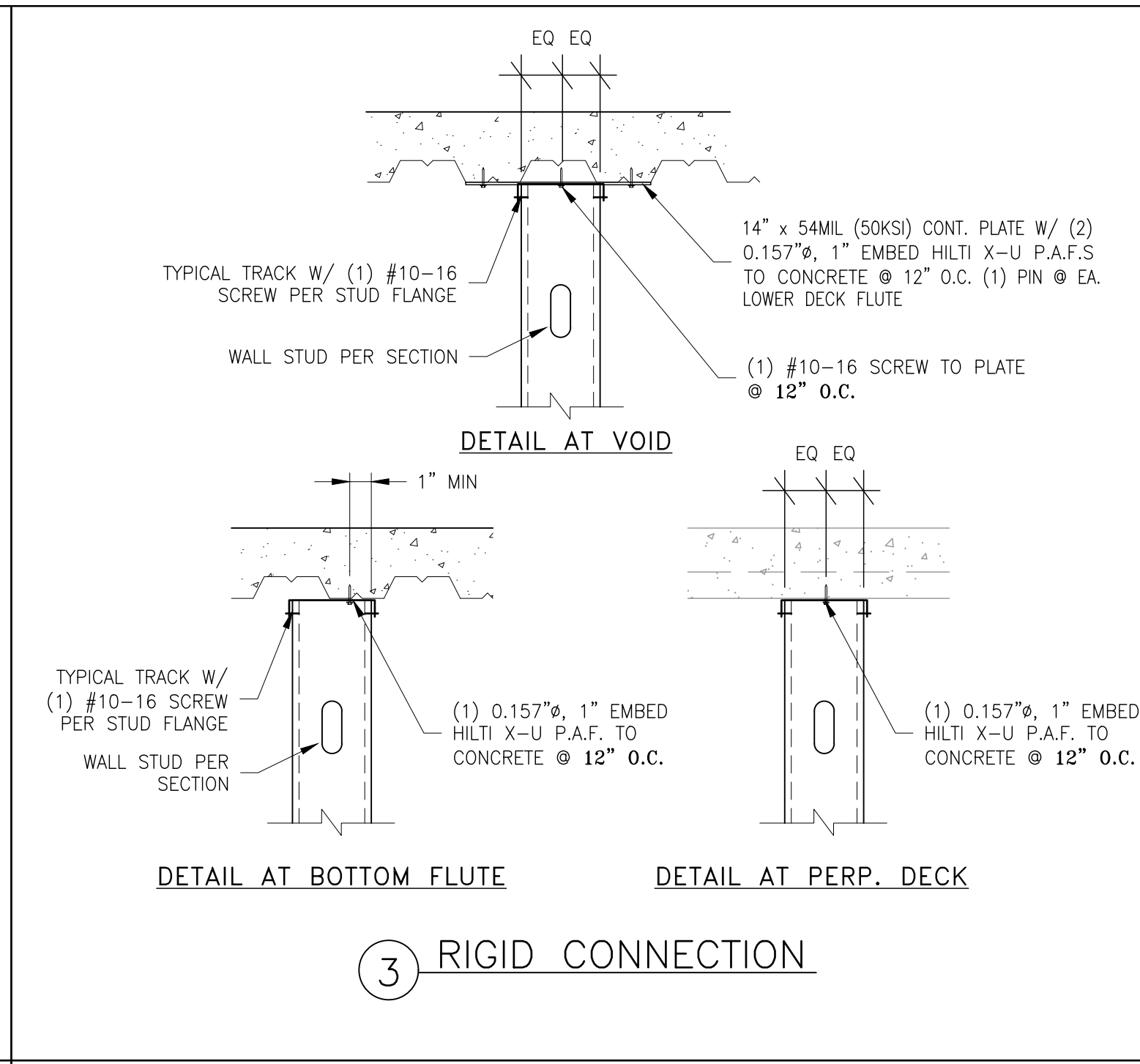
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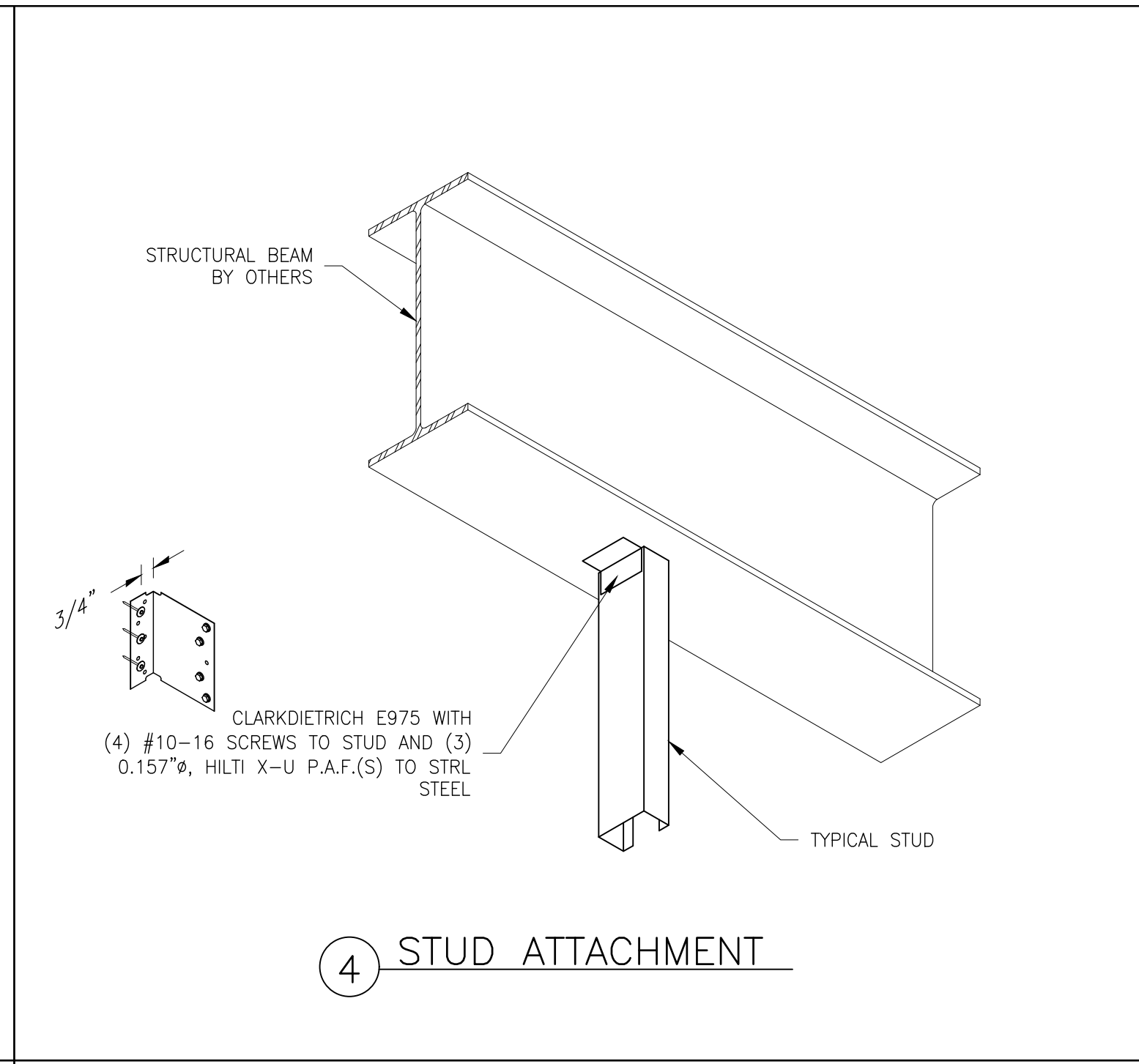
① RIGID CONNECTION



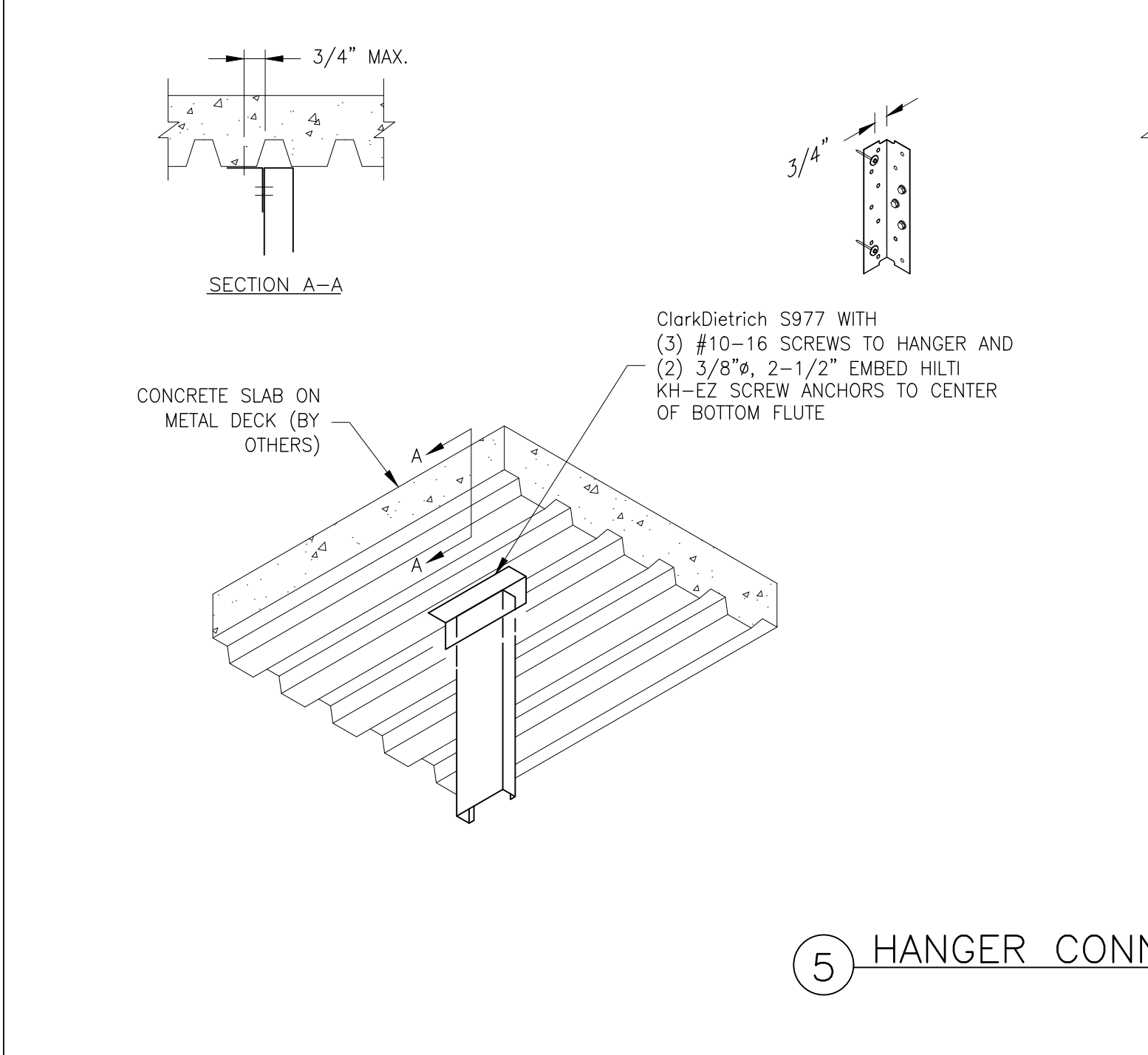
② HDS HEADER CONNECTION



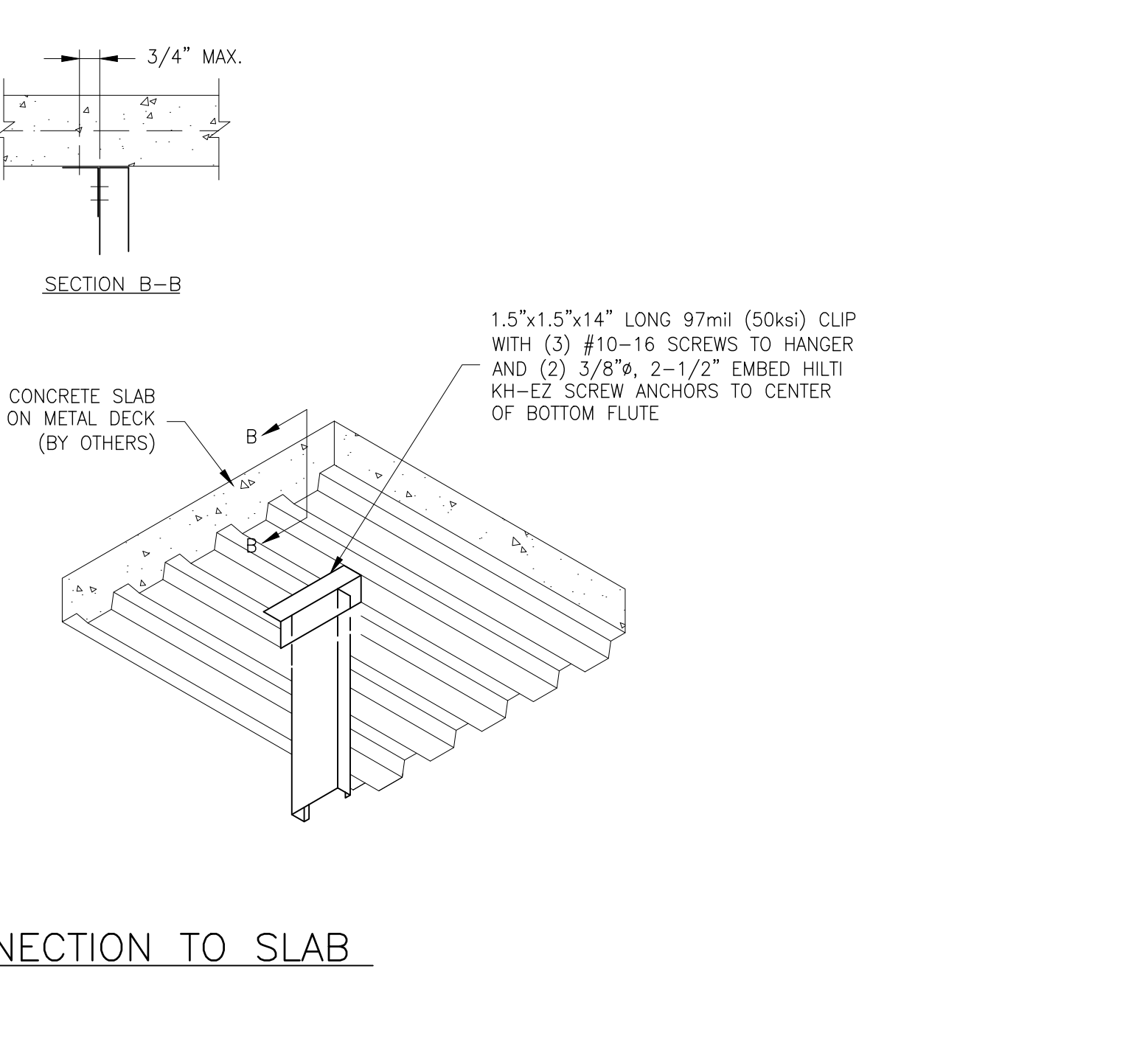
③ RIGID CONNECTION



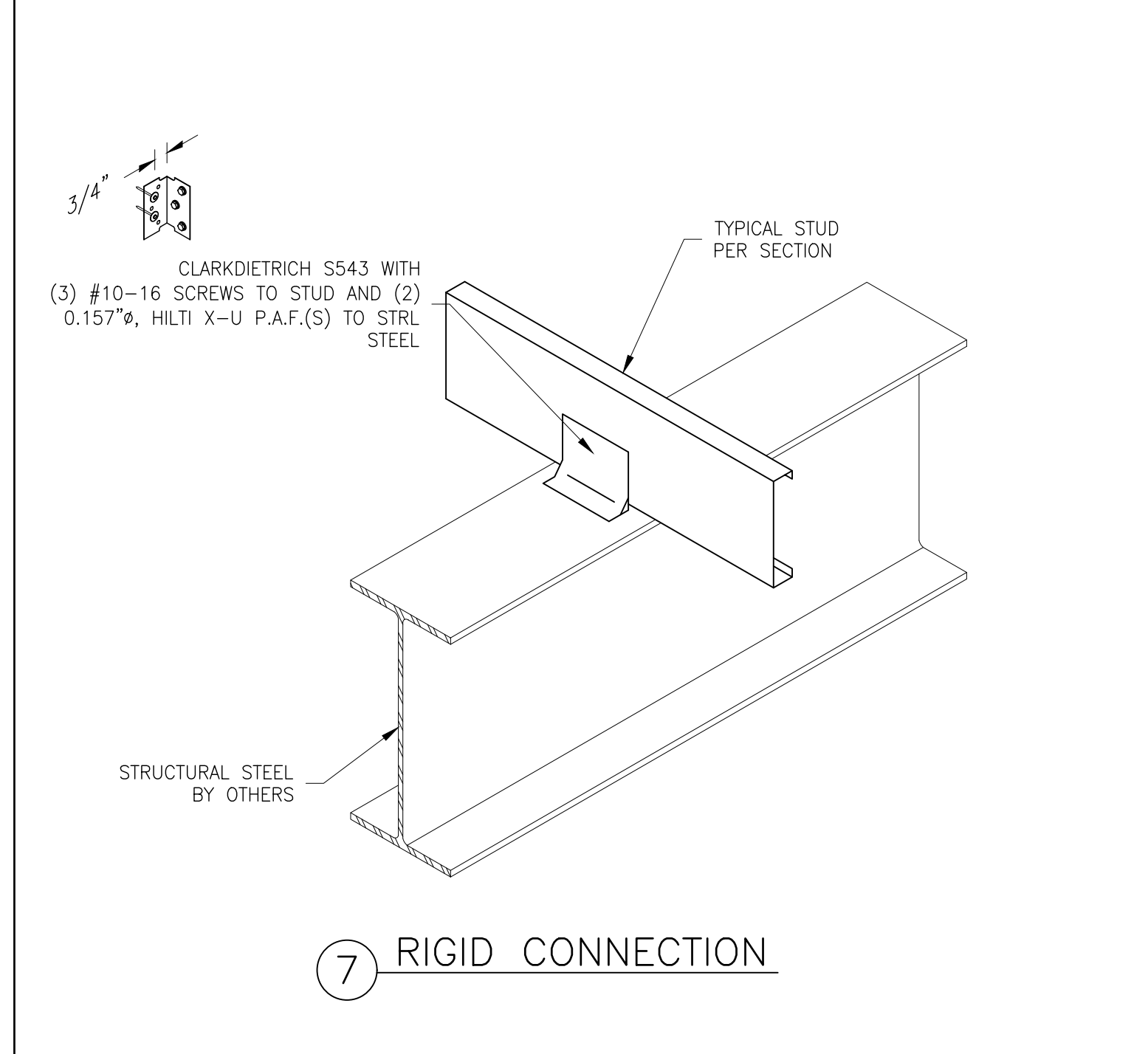
④ STUD ATTACHMENT



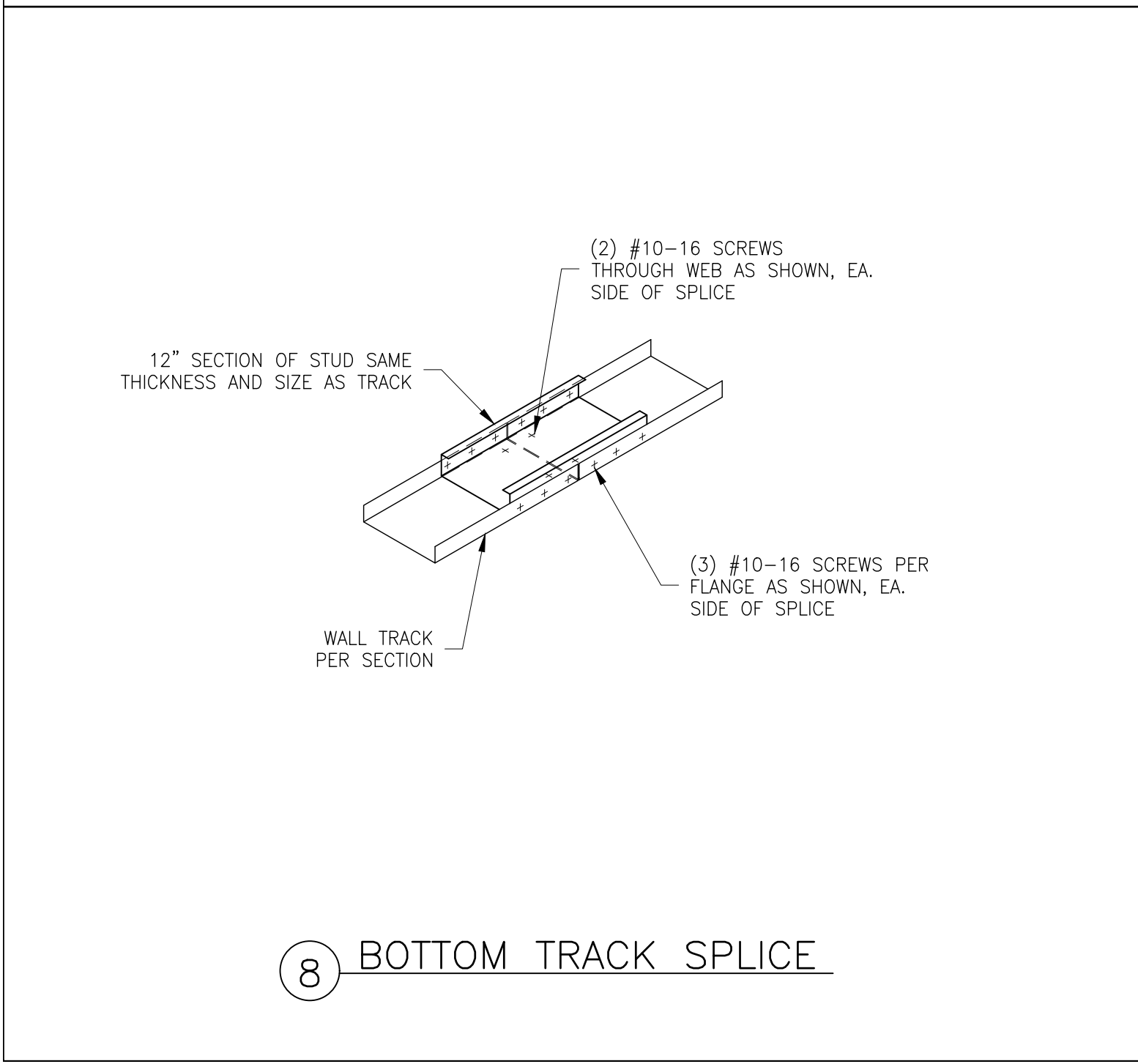
⑤ HANGER CONNECTION TO SLAB



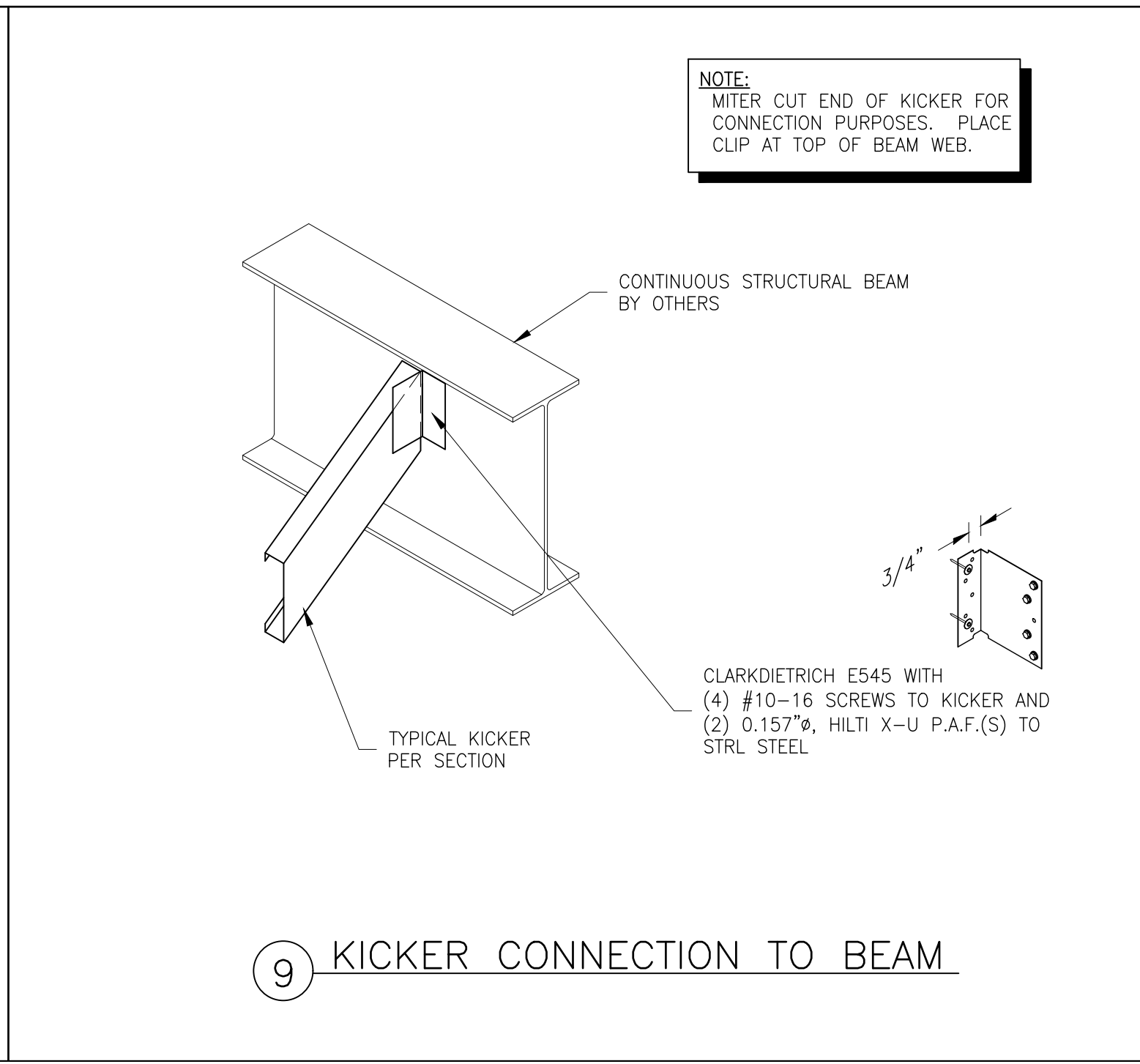
⑥ RIGID CONNECTION



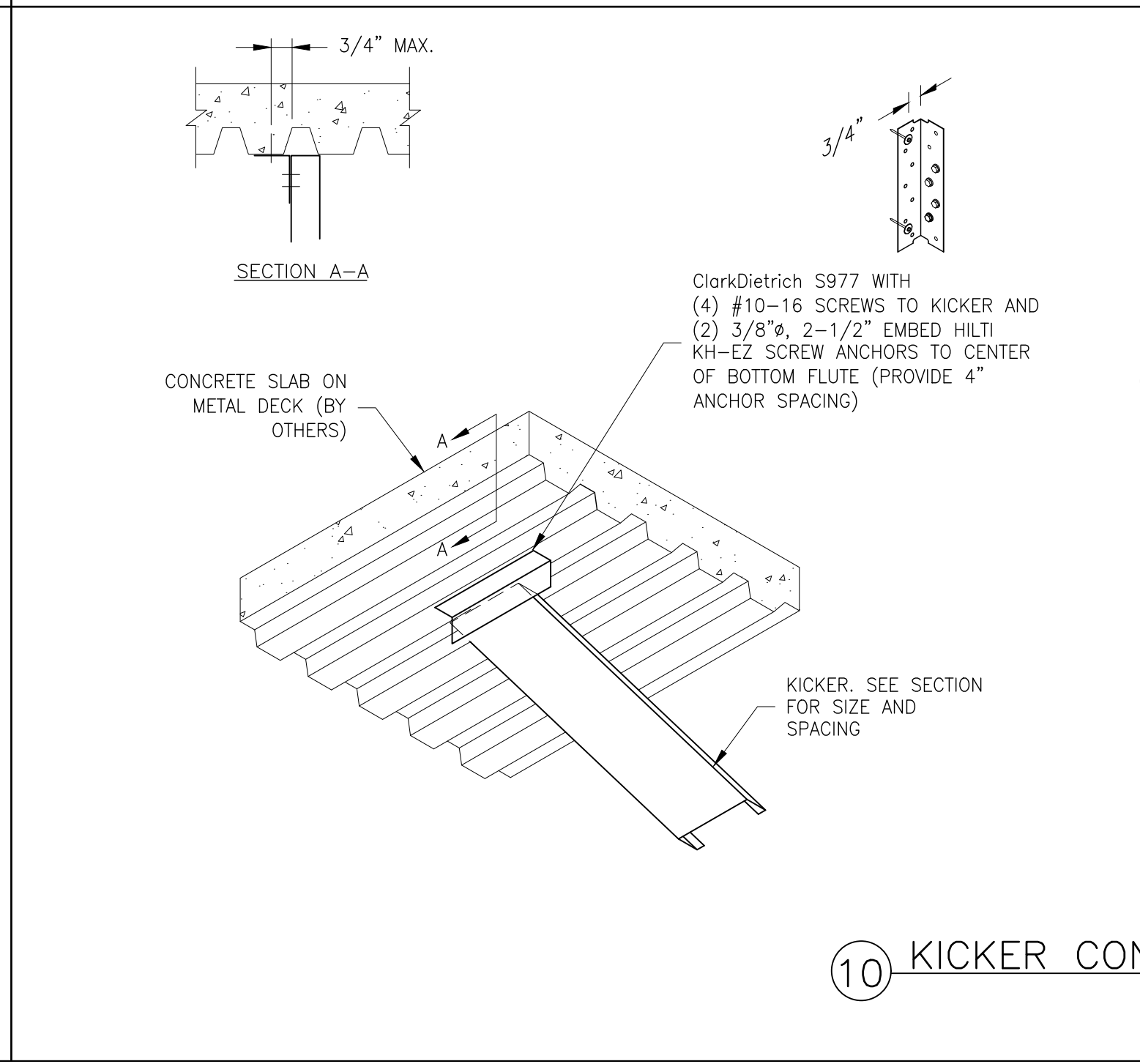
⑦ RIGID CONNECTION



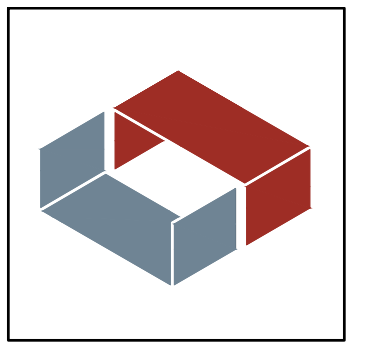
⑧ BOTTOM TRACK SPLICE



⑨ KICKER CONNECTION TO BEAM



⑩ KICKER CONNECTION TO SLAB



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6.	BAO	08/04/2023

Drawn: BAO
Engineer: BAO
Reviewed: TG

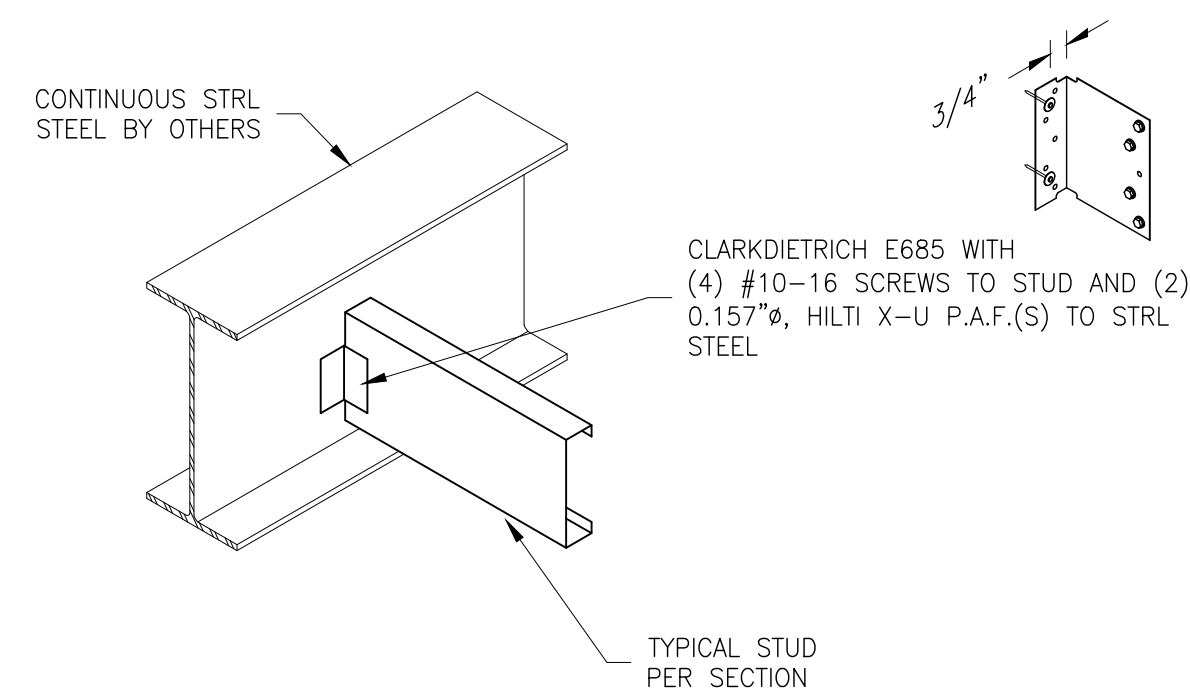
Date: 11/15/2022

Project Number: 2150220247-1

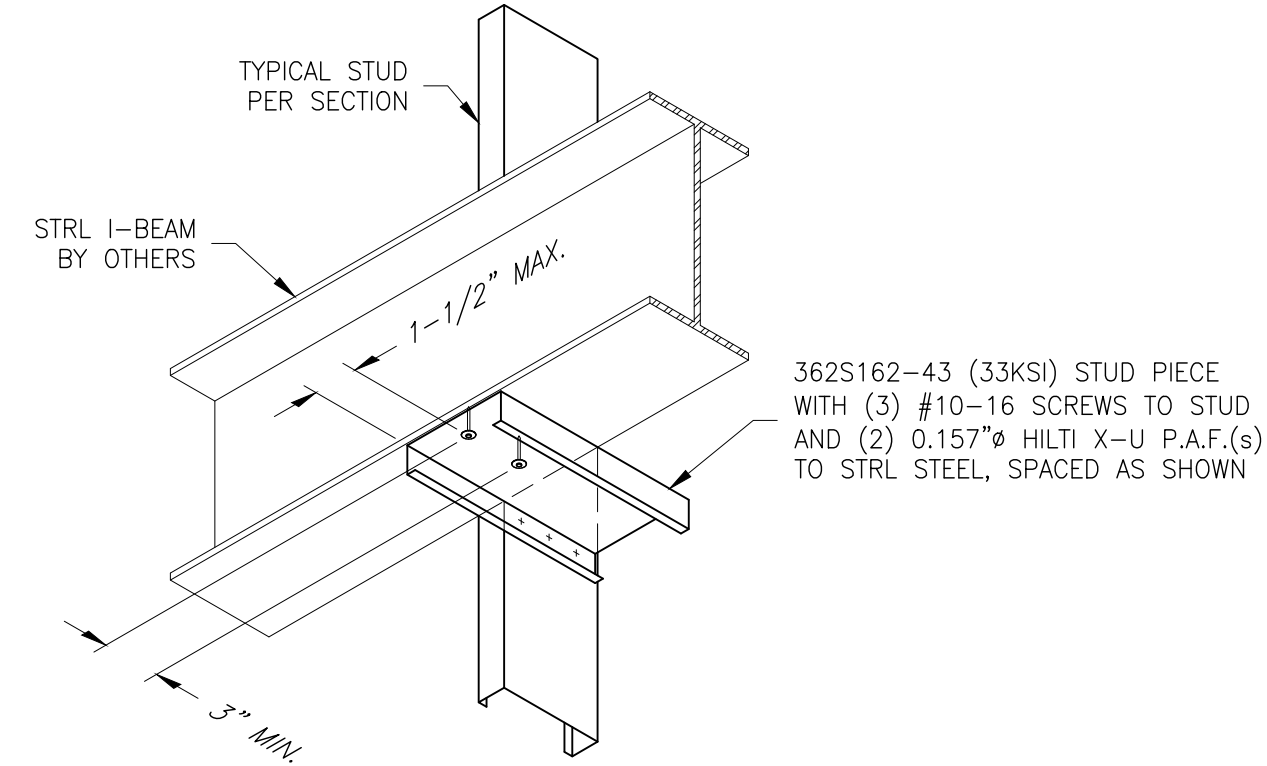
Sheet Title: FRAMING DETAILS

Sheet No. LSF-5.1

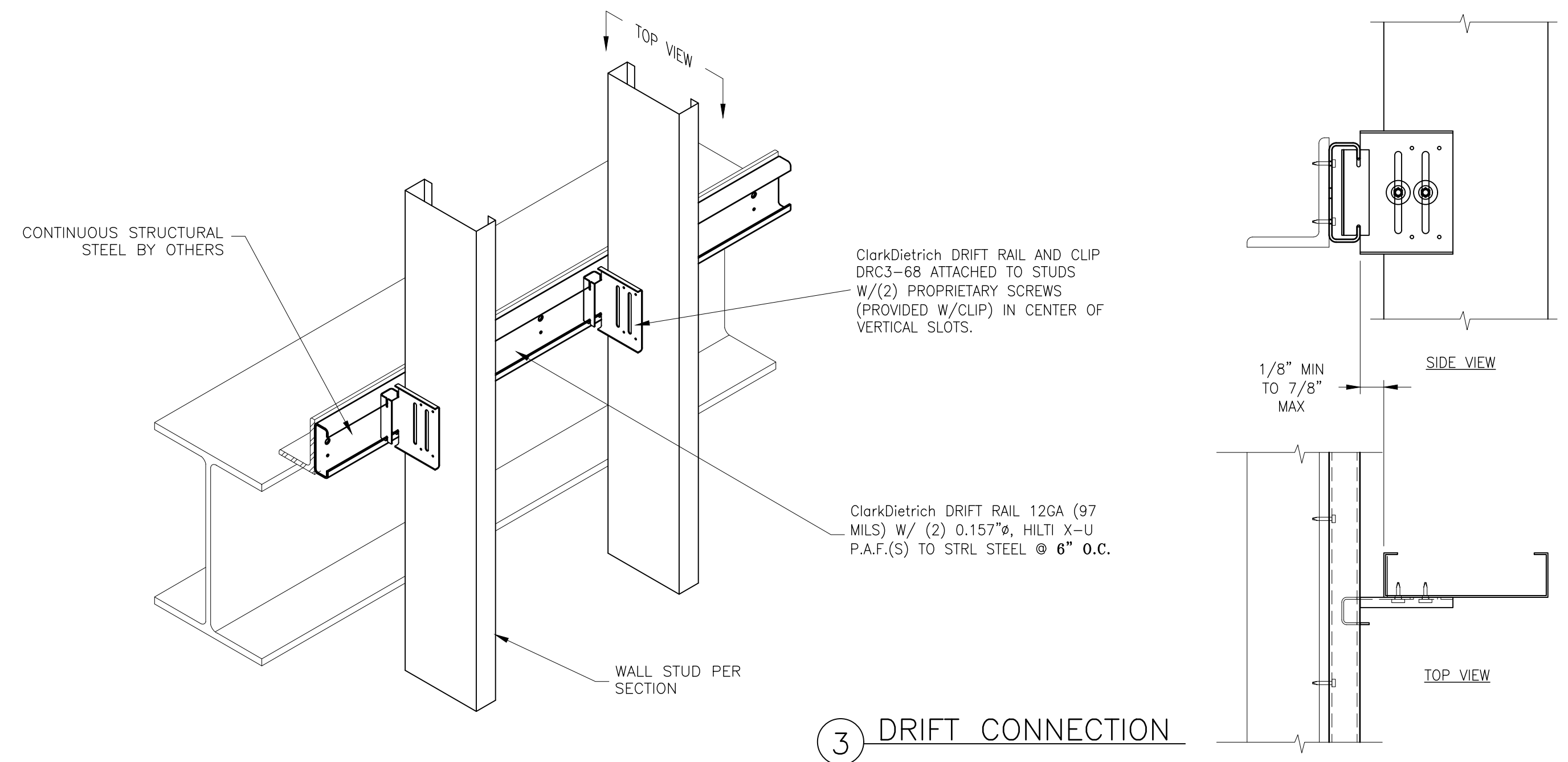
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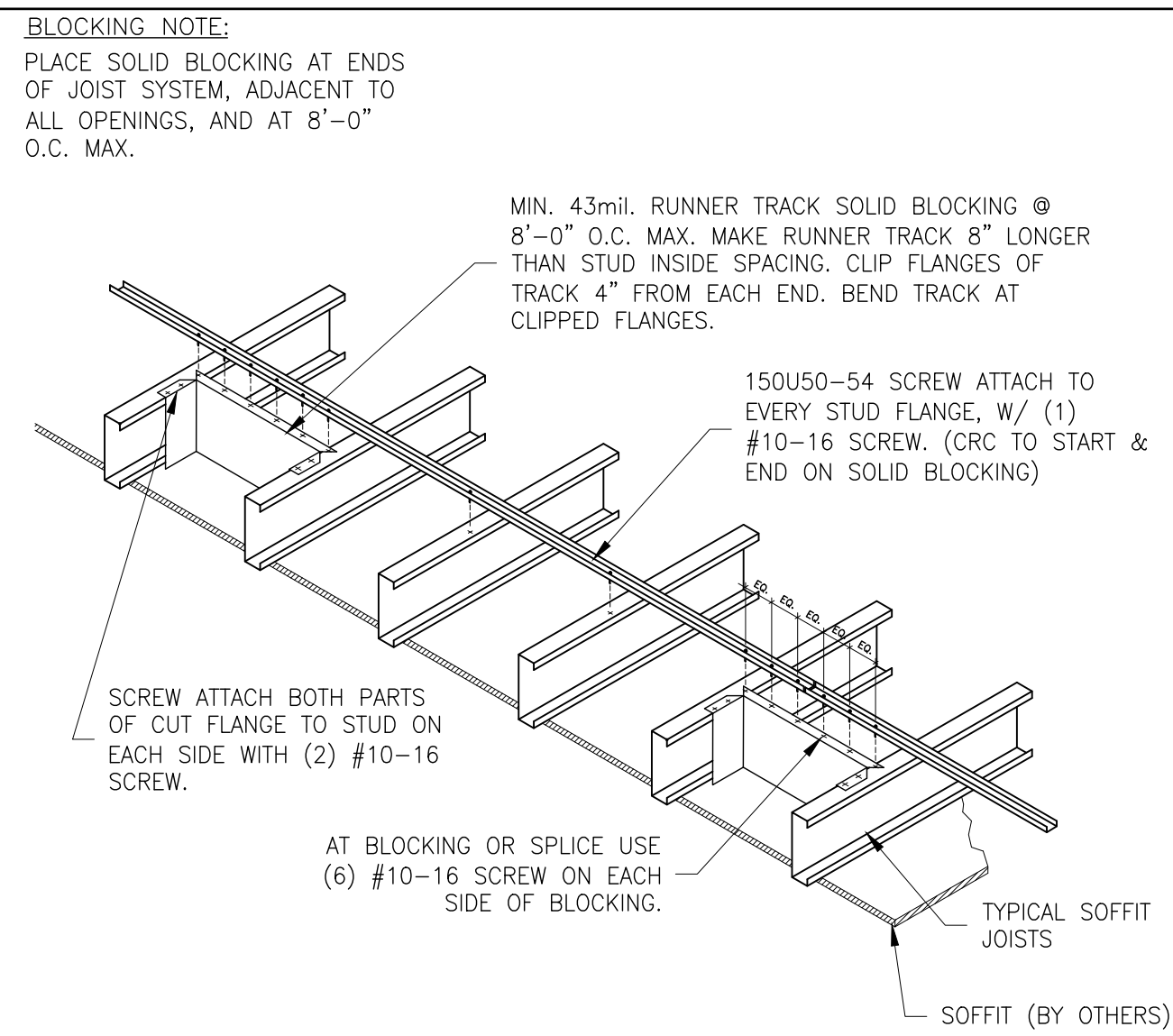
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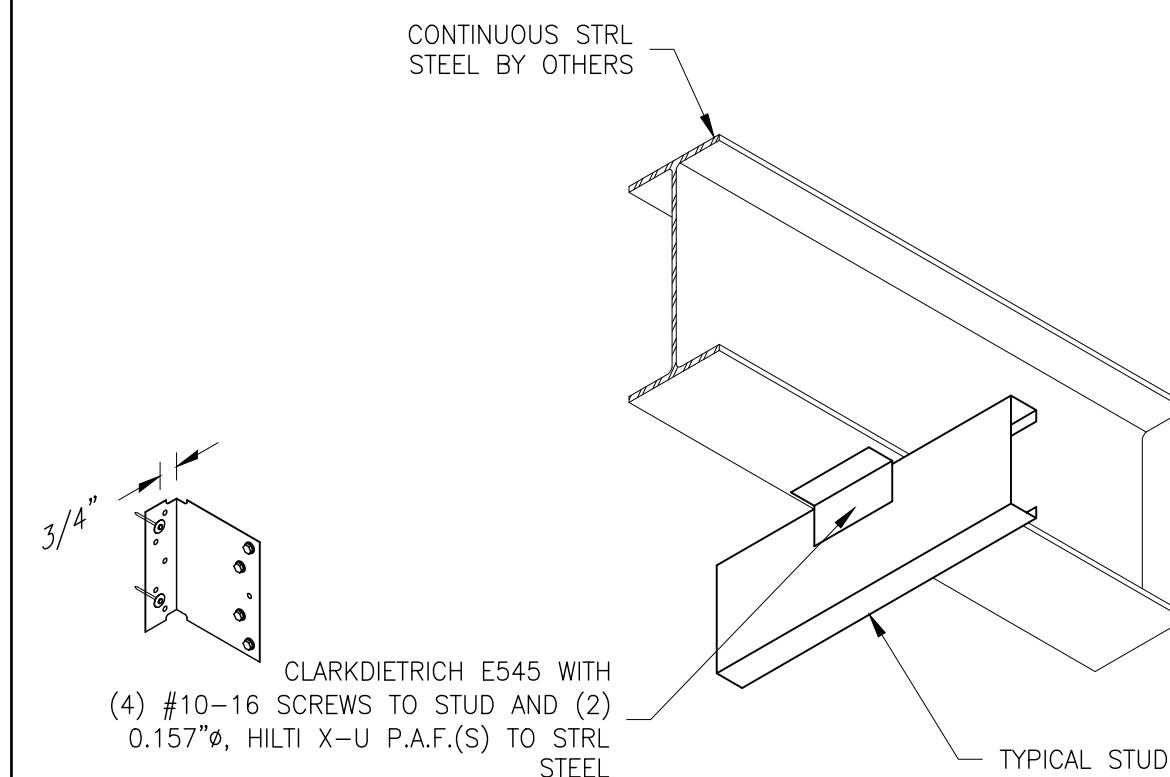
2 RIGID CONNECTION



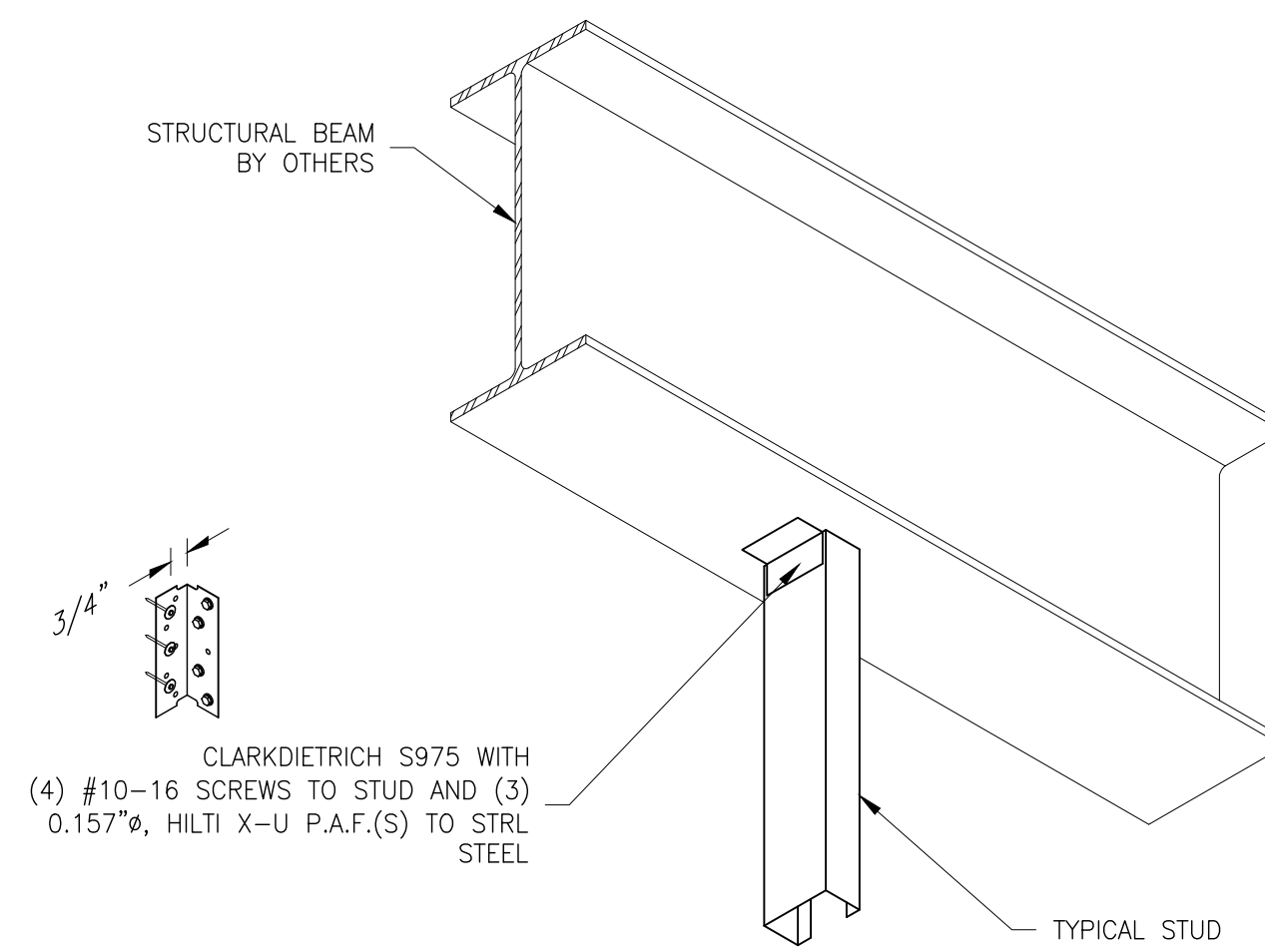
3 DRIFT CONNECTION



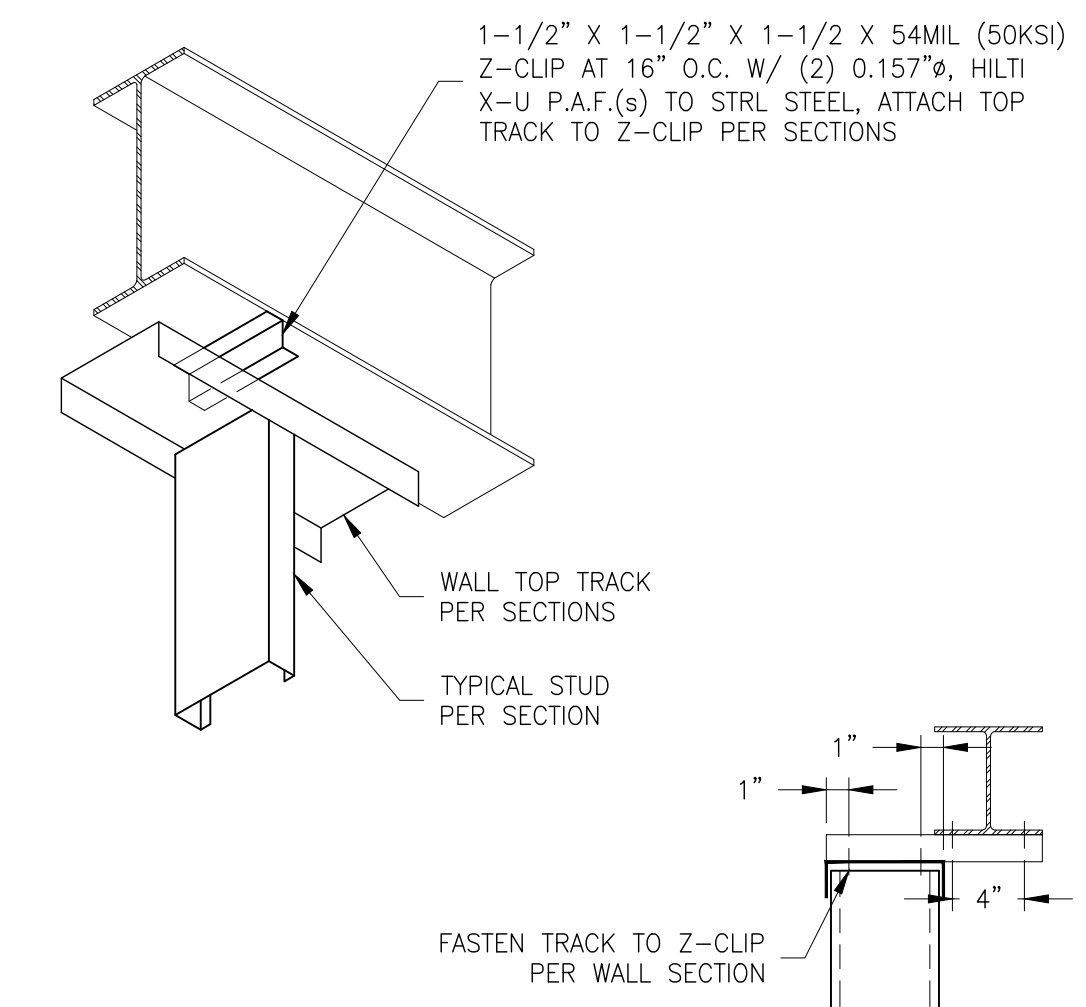
4 SOFFIT JOIST BRIDGING



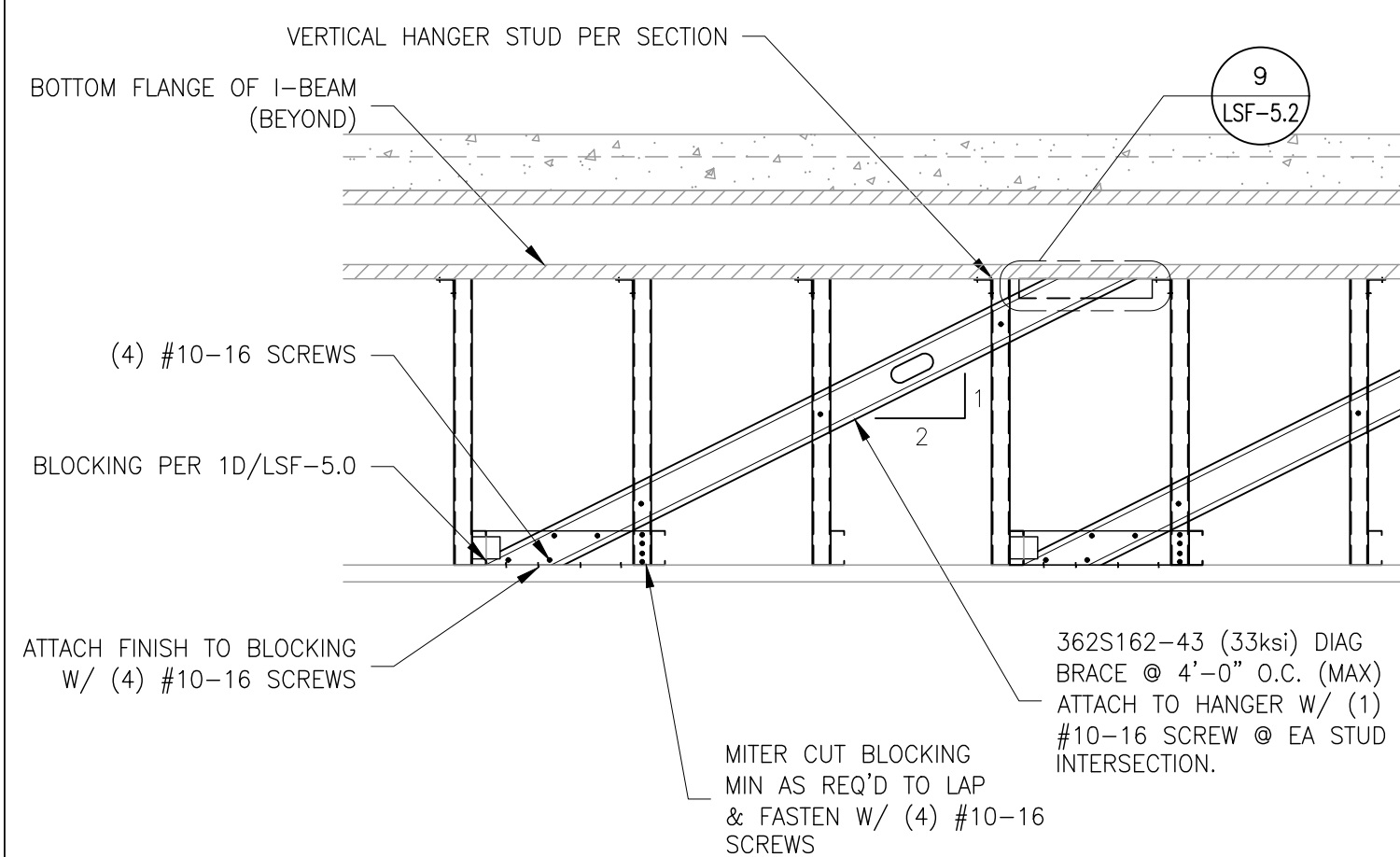
5 STUD ATTACHMENT



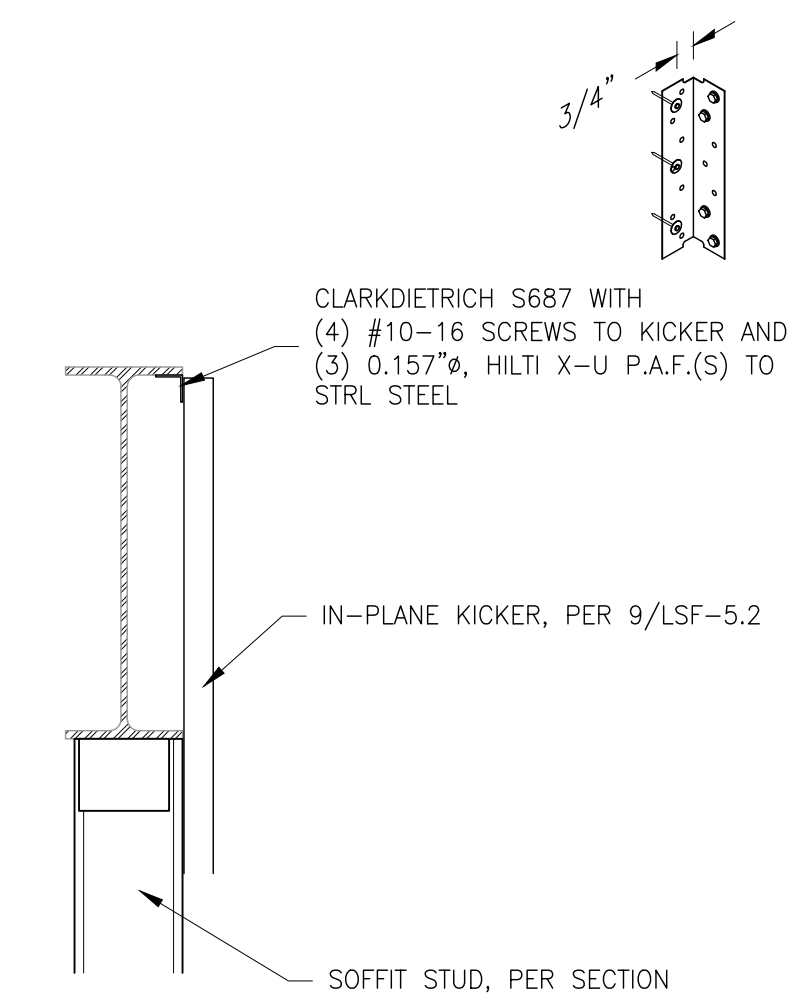
6 STUD ATTACHMENT



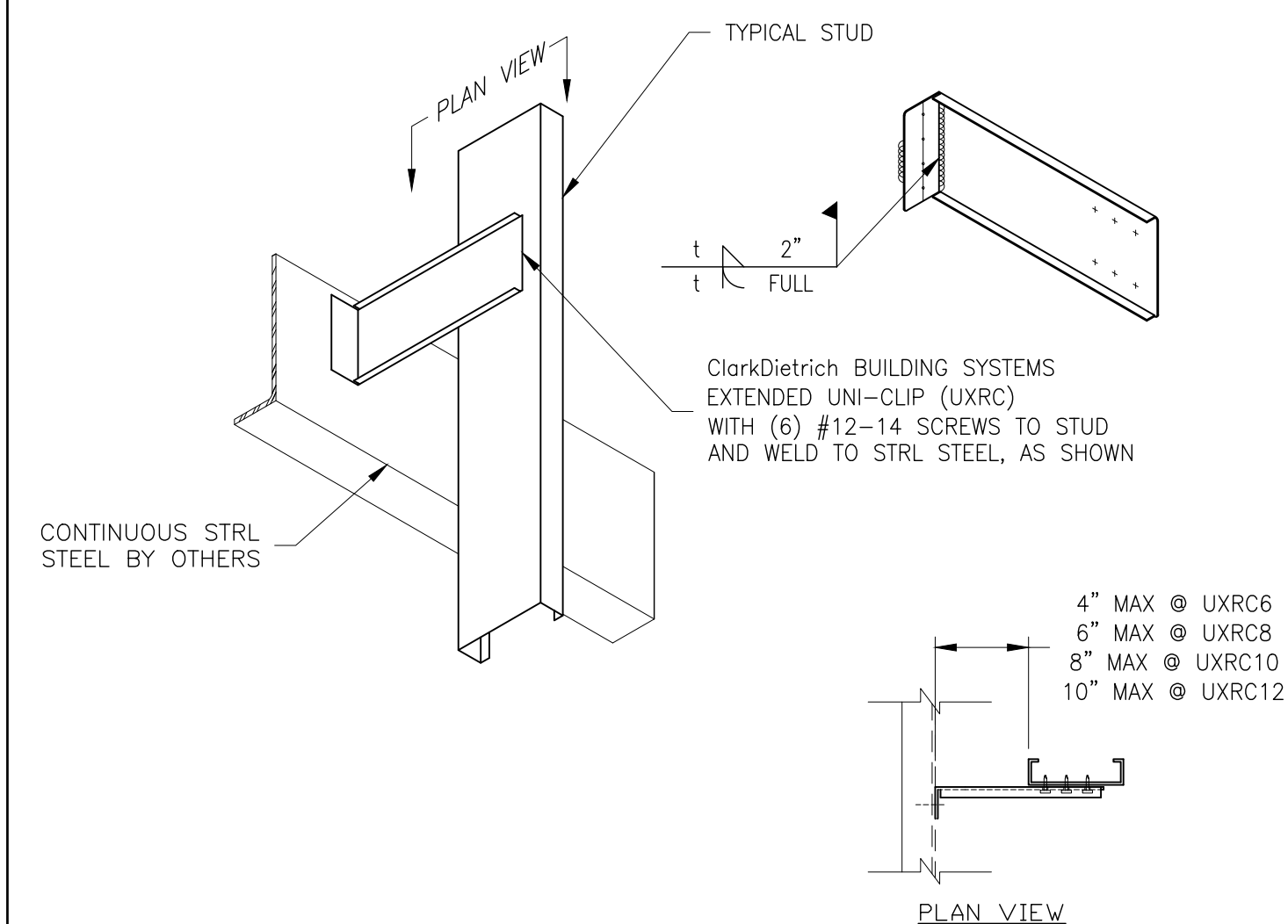
7 CONNECTION DETAIL



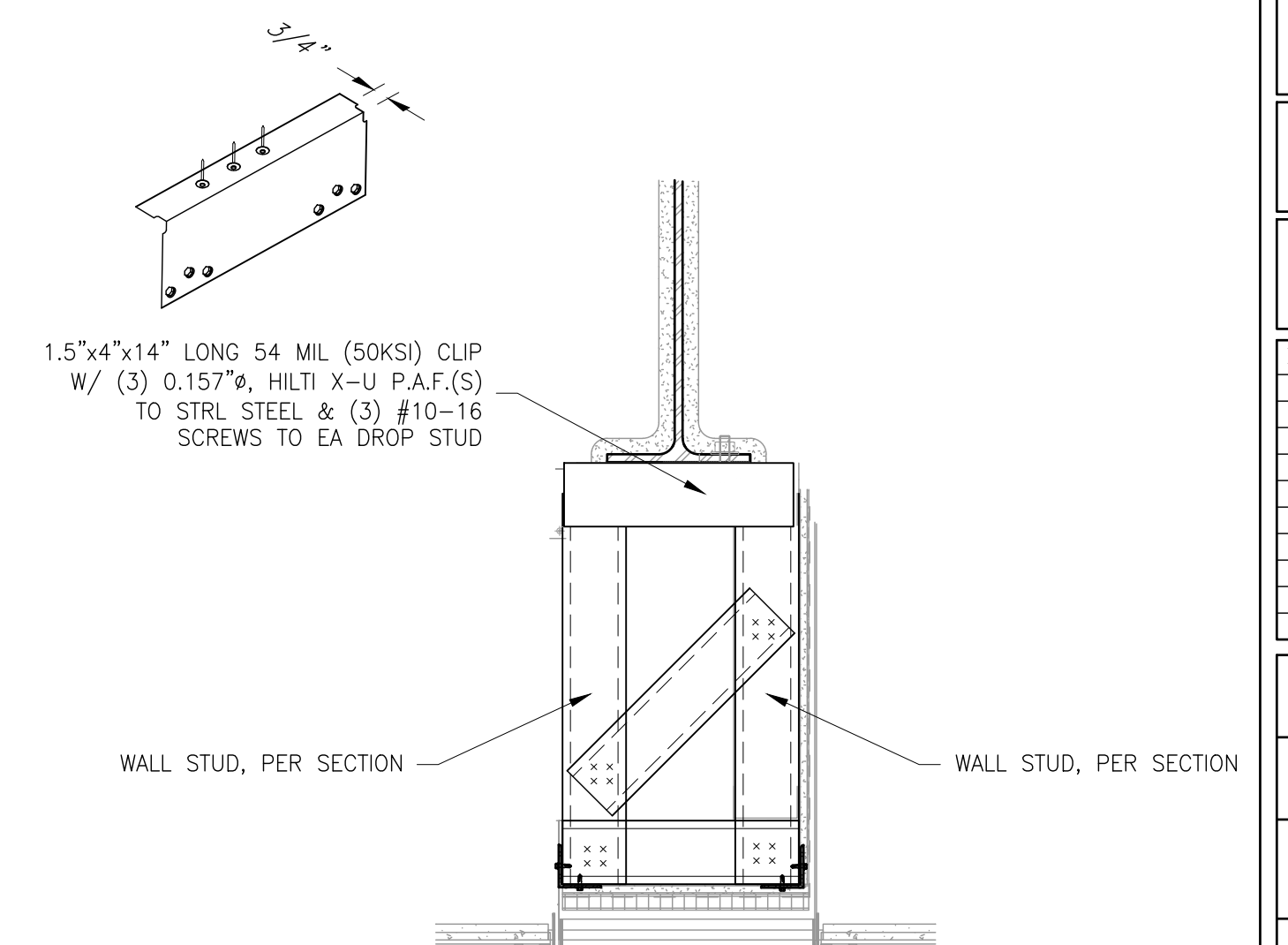
8 STUD ATTACHMENT



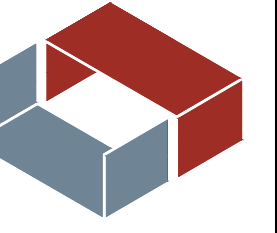
9 STUD ATTACHMENT



10 STUD ATTACHMENT



11 RIGID ATTACHMENT



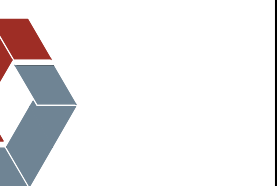
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Drawn: BAO
Engineer: BAO
Reviewed: TG

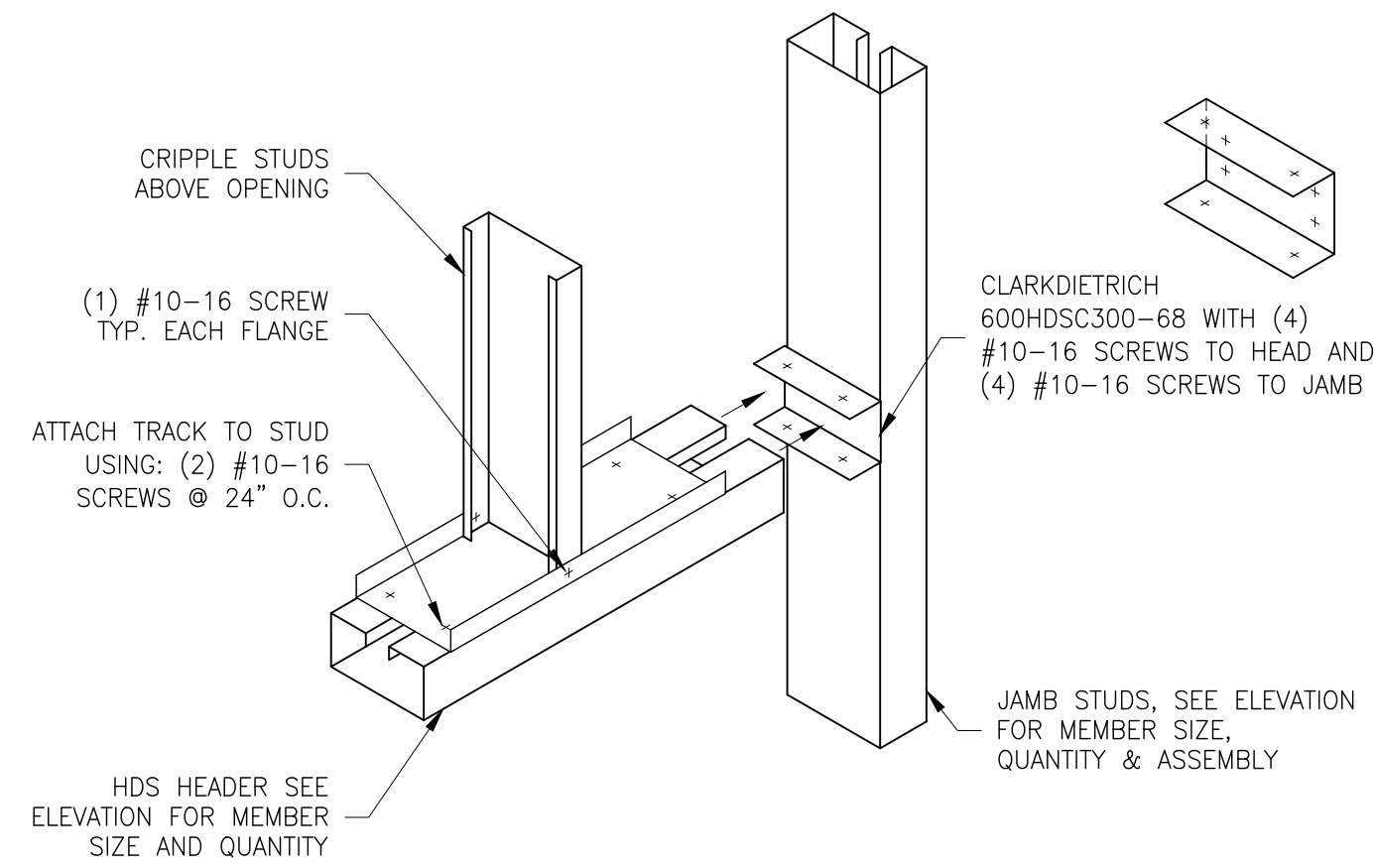
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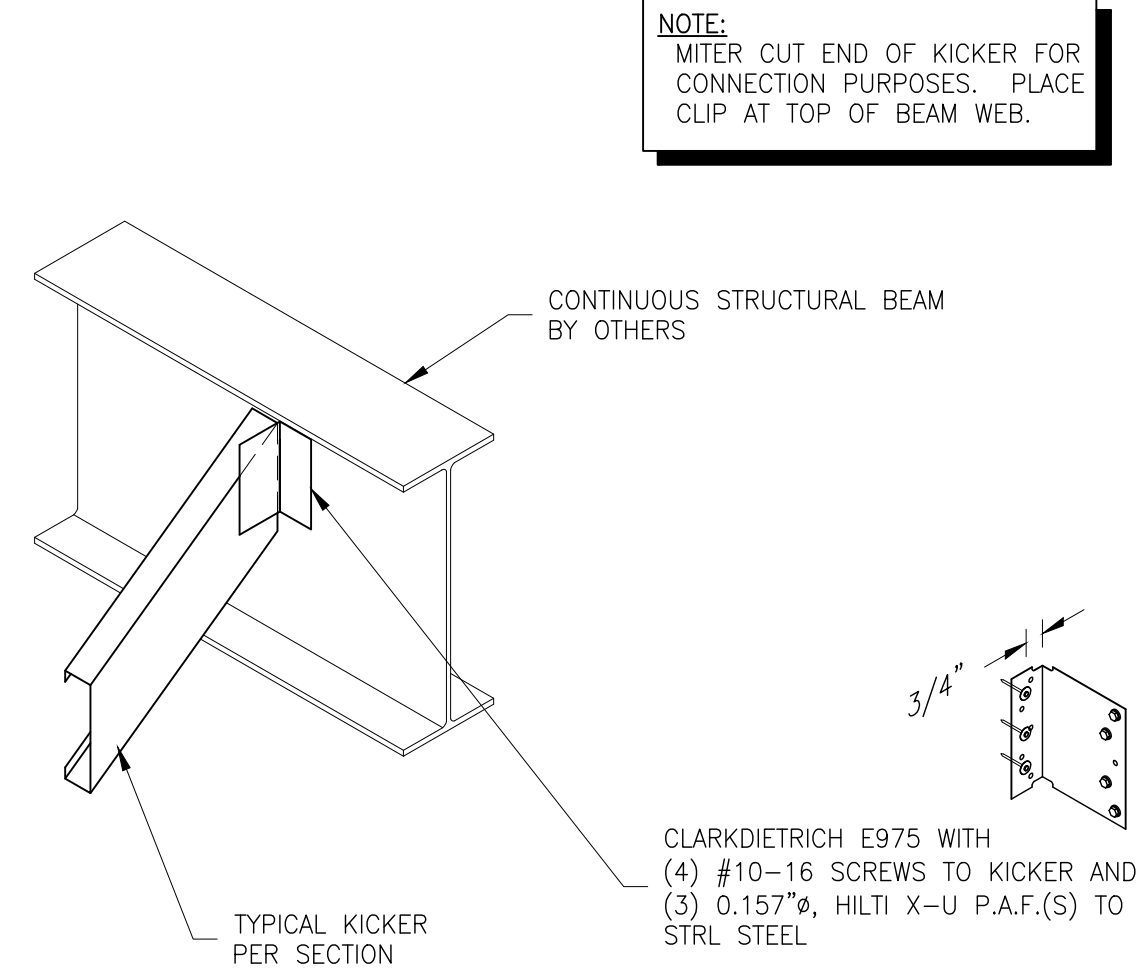
Sheet Title: FRAMING DETAILS

Sheet No. LSF-5.2

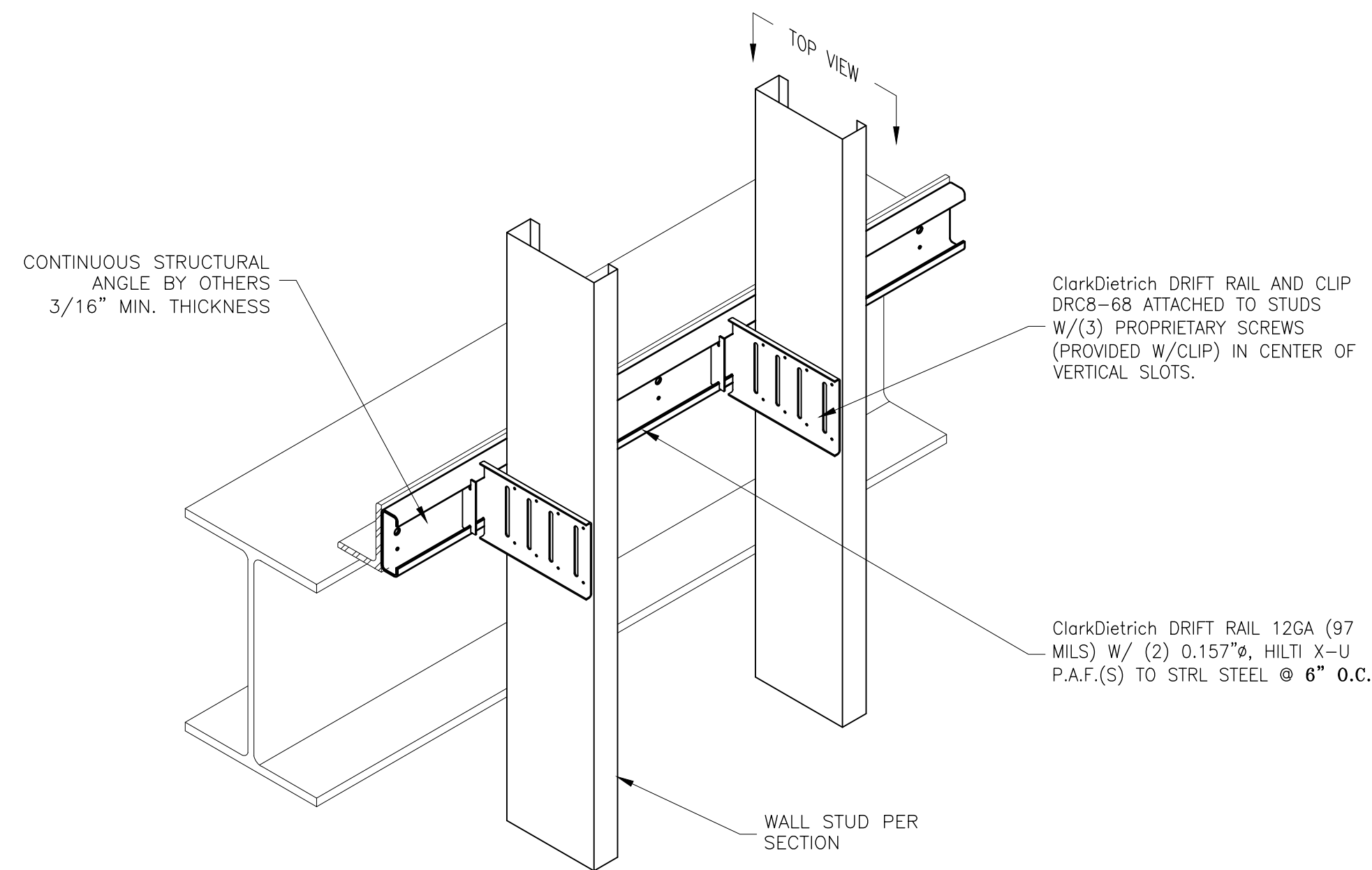
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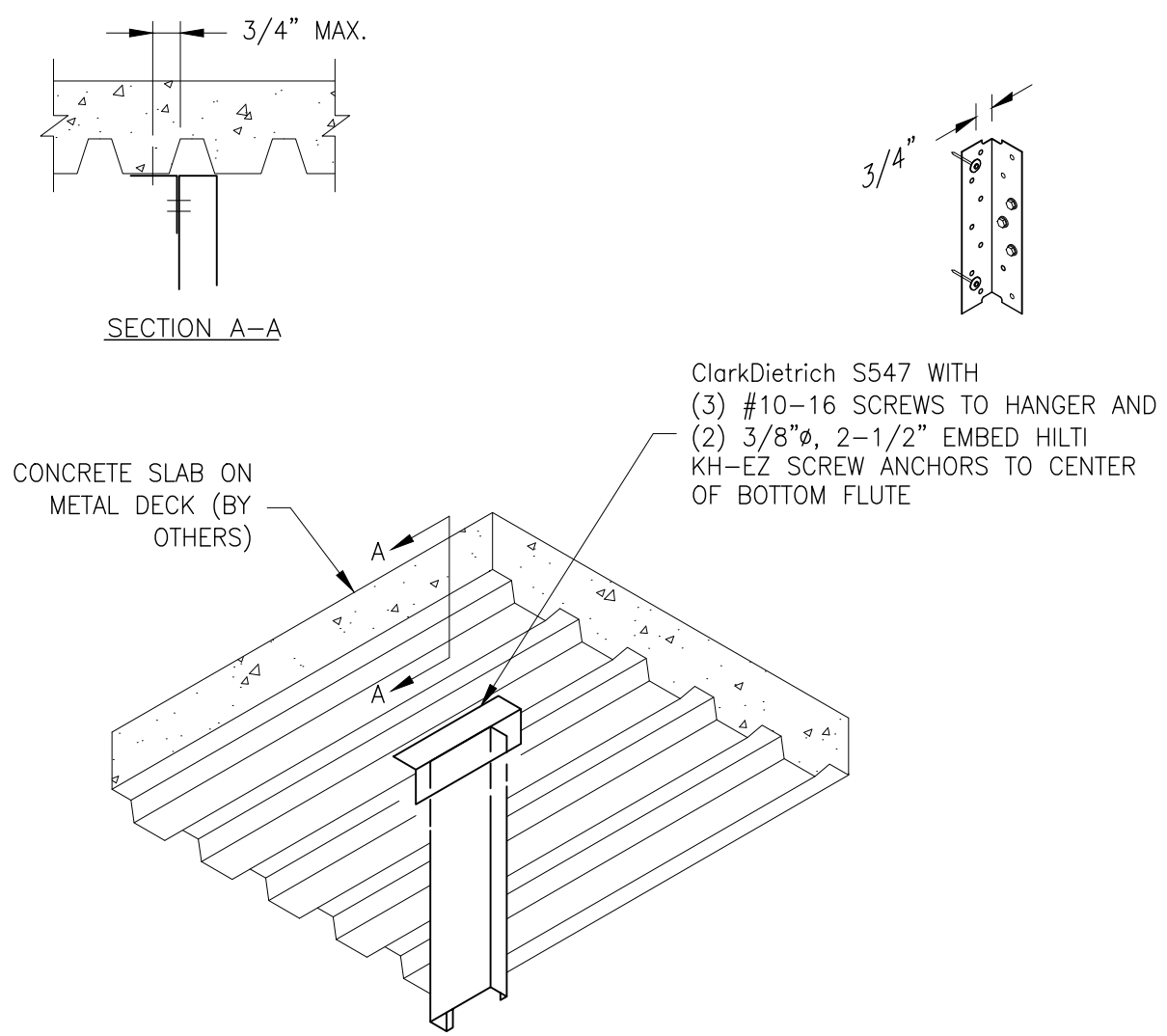
① HDS HEADER CONNECTION



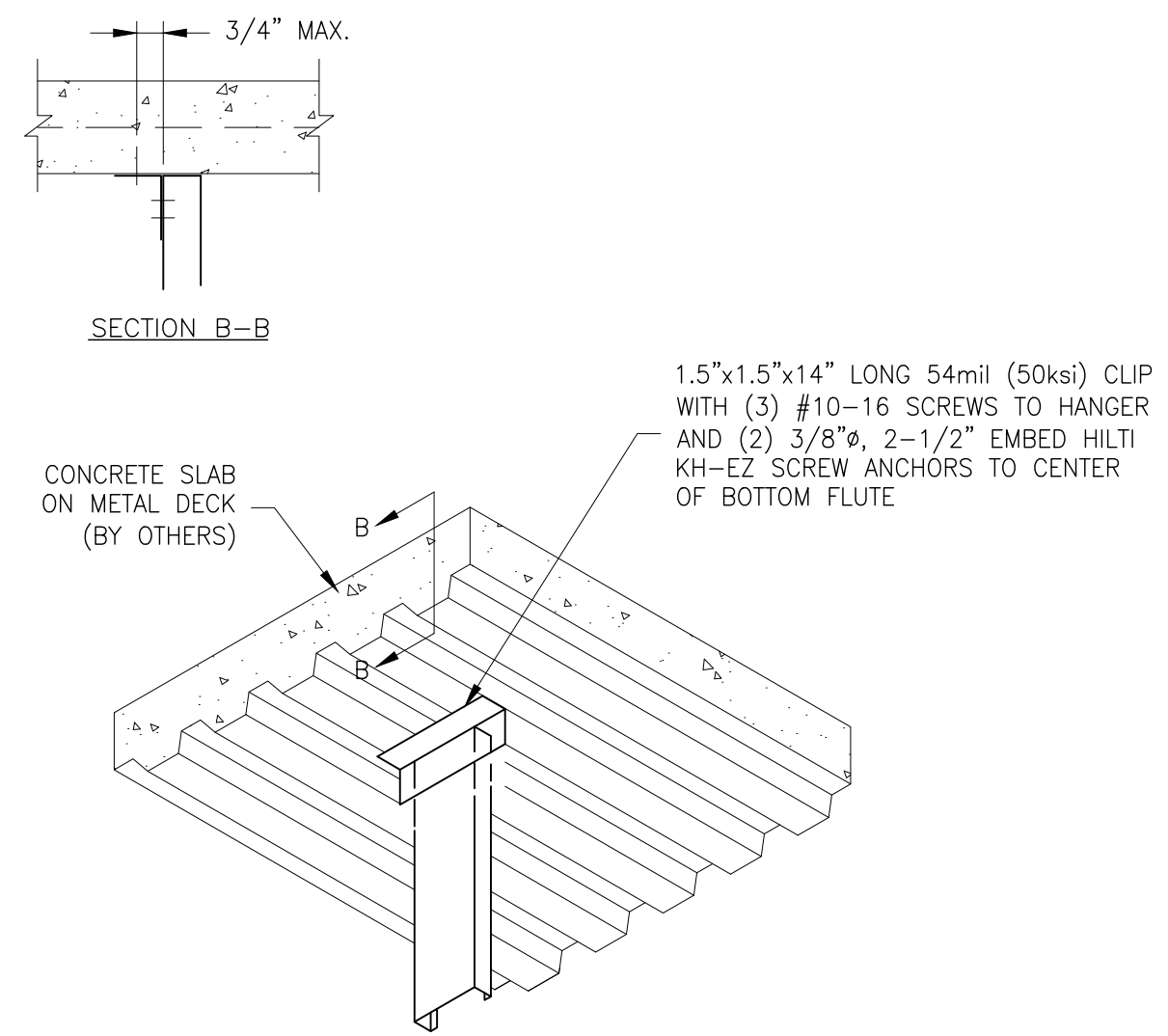
② KICKER CONNECTION TO BEAM



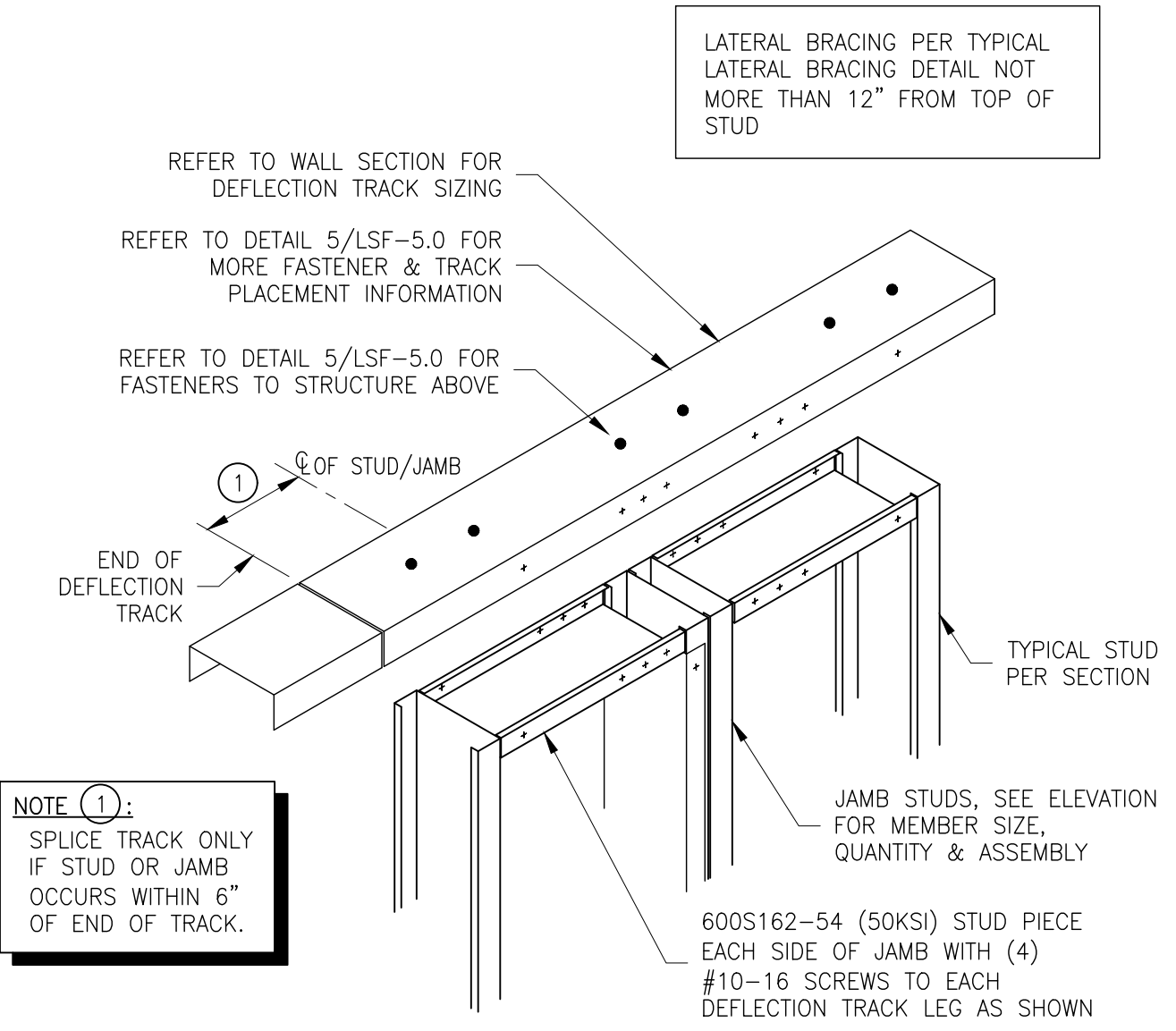
③ DRIFT CONNECTION



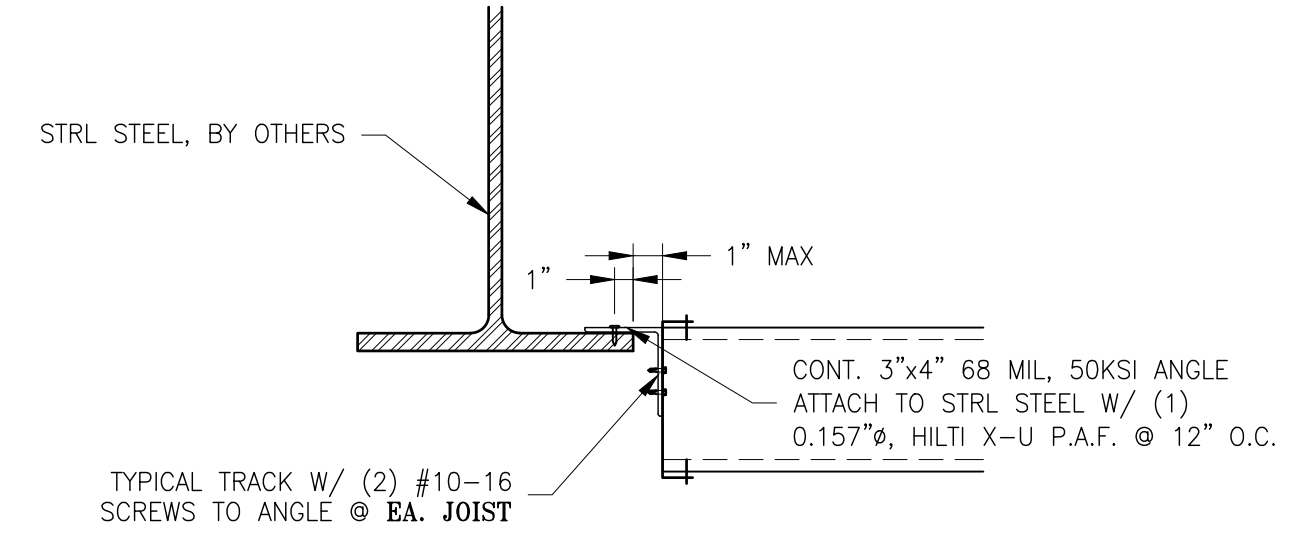
④ HANGER CONNECTION TO SLAB



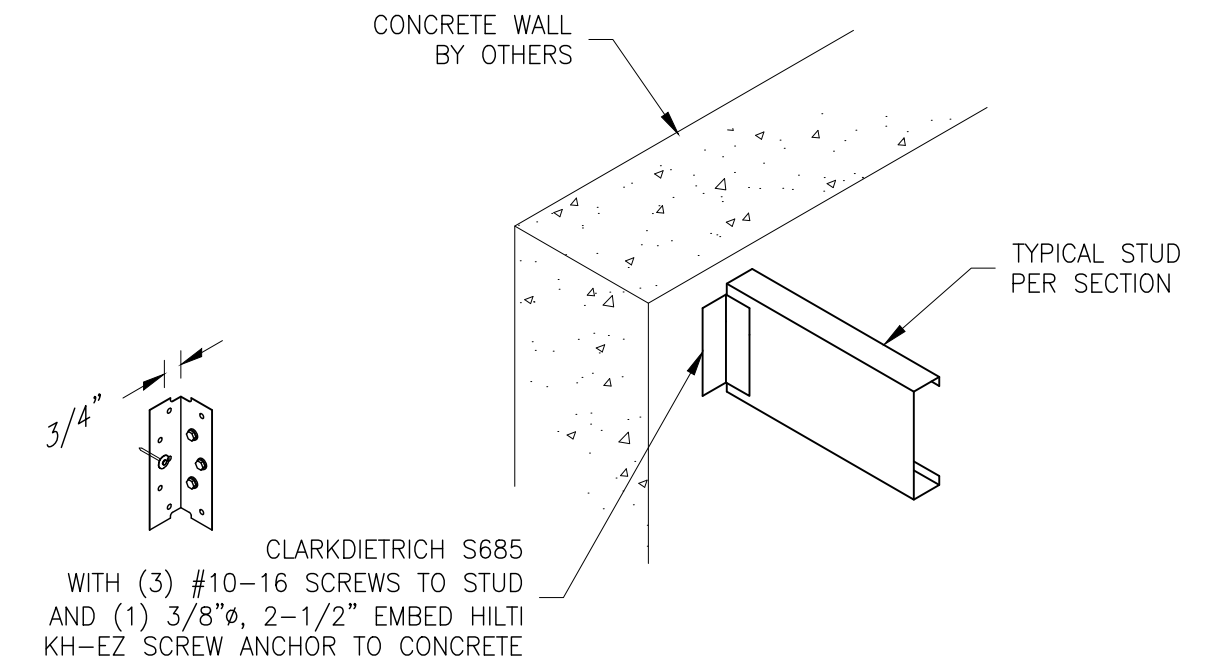
⑤ JAMB BLOCKING DETAIL



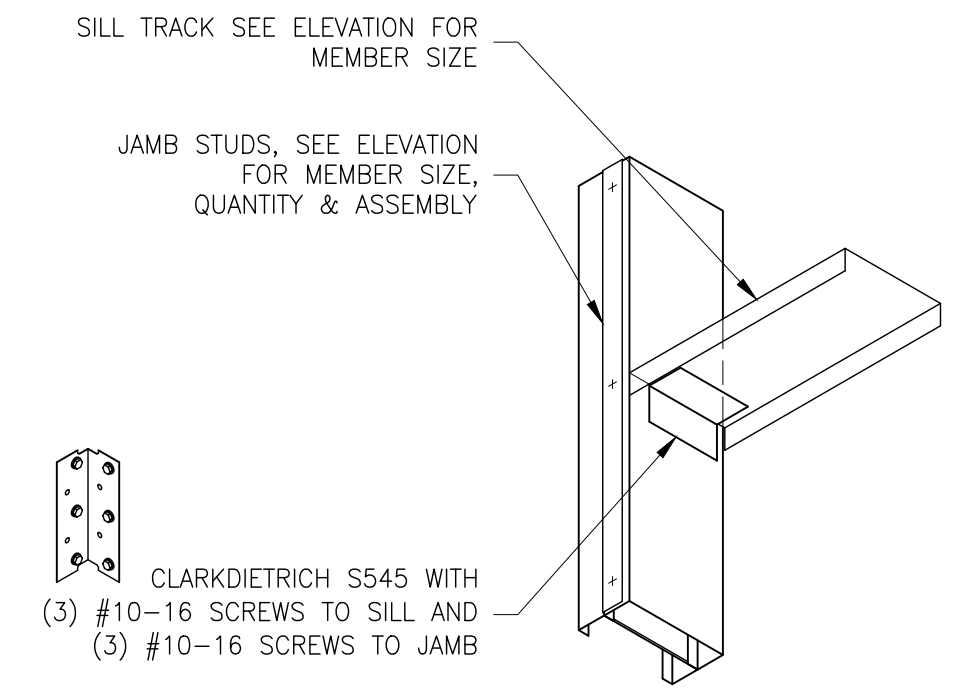
⑥ JOIST CONNECTION



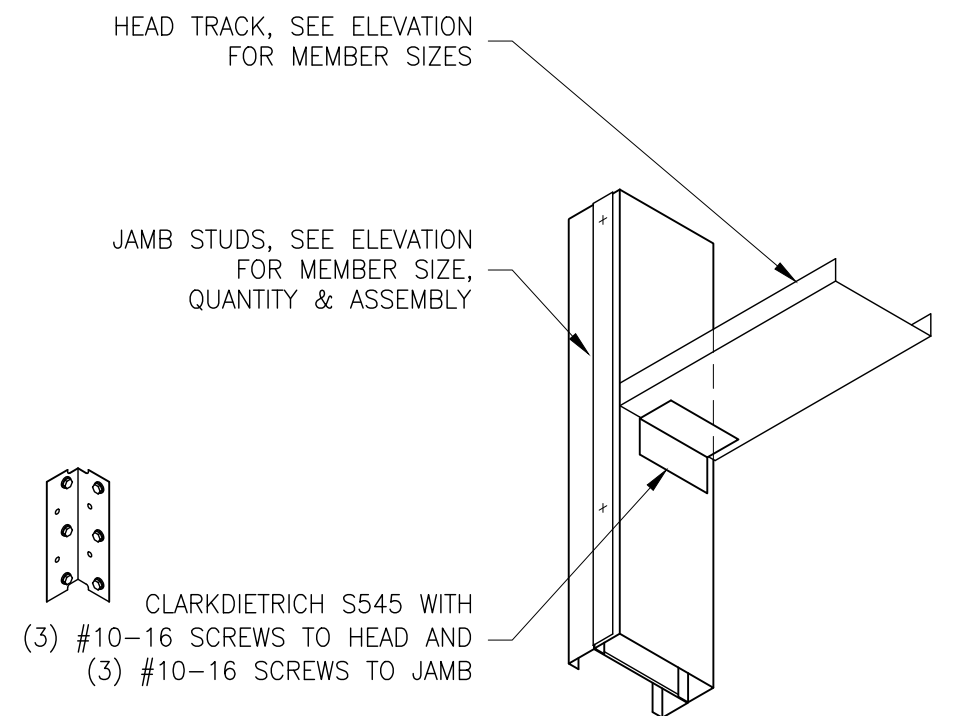
⑦ RIGID CONNECTION



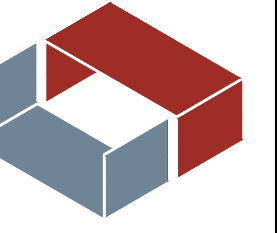
⑧ CONNECTION DETAIL



⑨ SILL TRACK CONNECTION



⑩ HEAD TRACK CONNECTION



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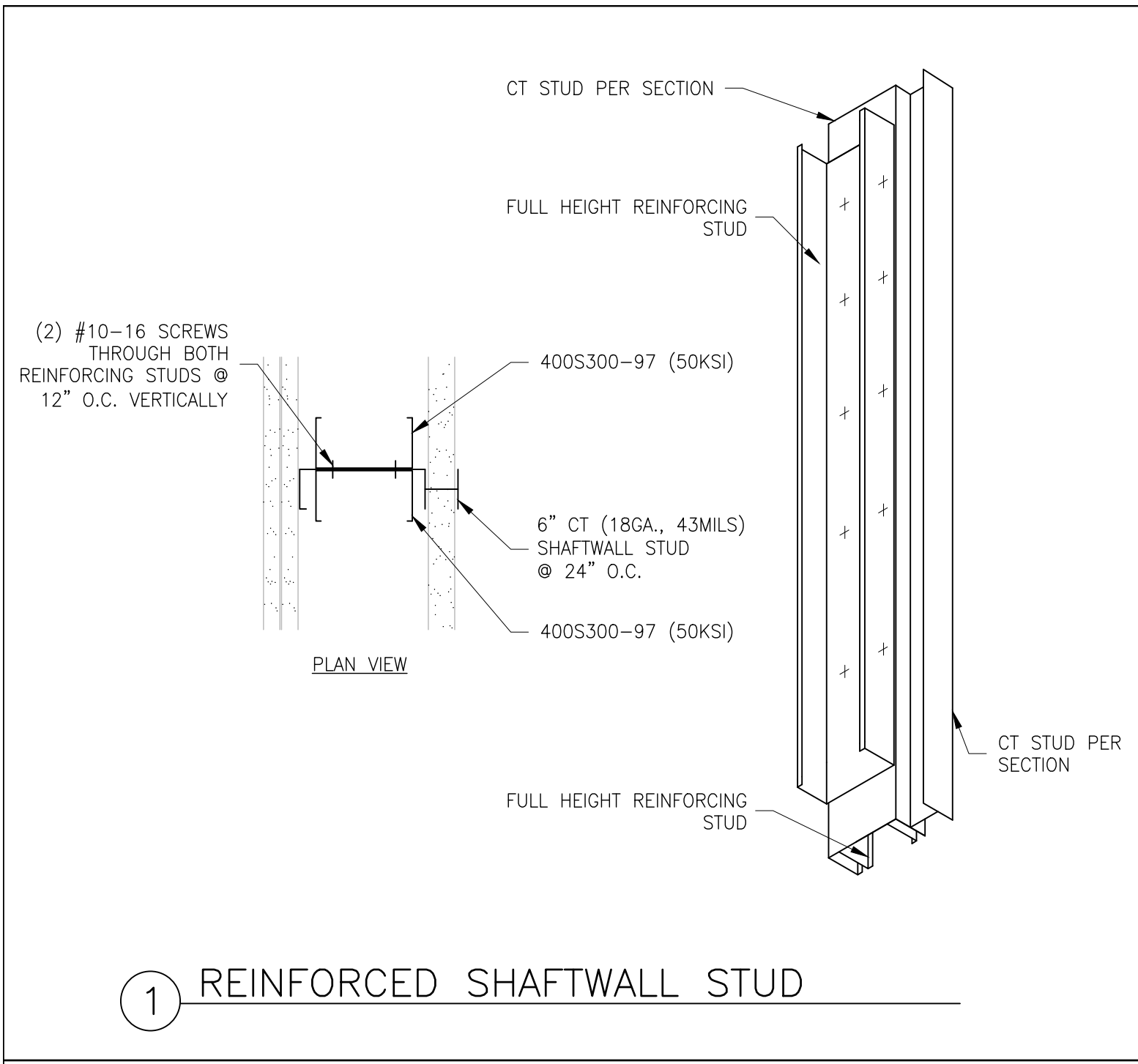
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Sheet Title: FRAMING DETAILS

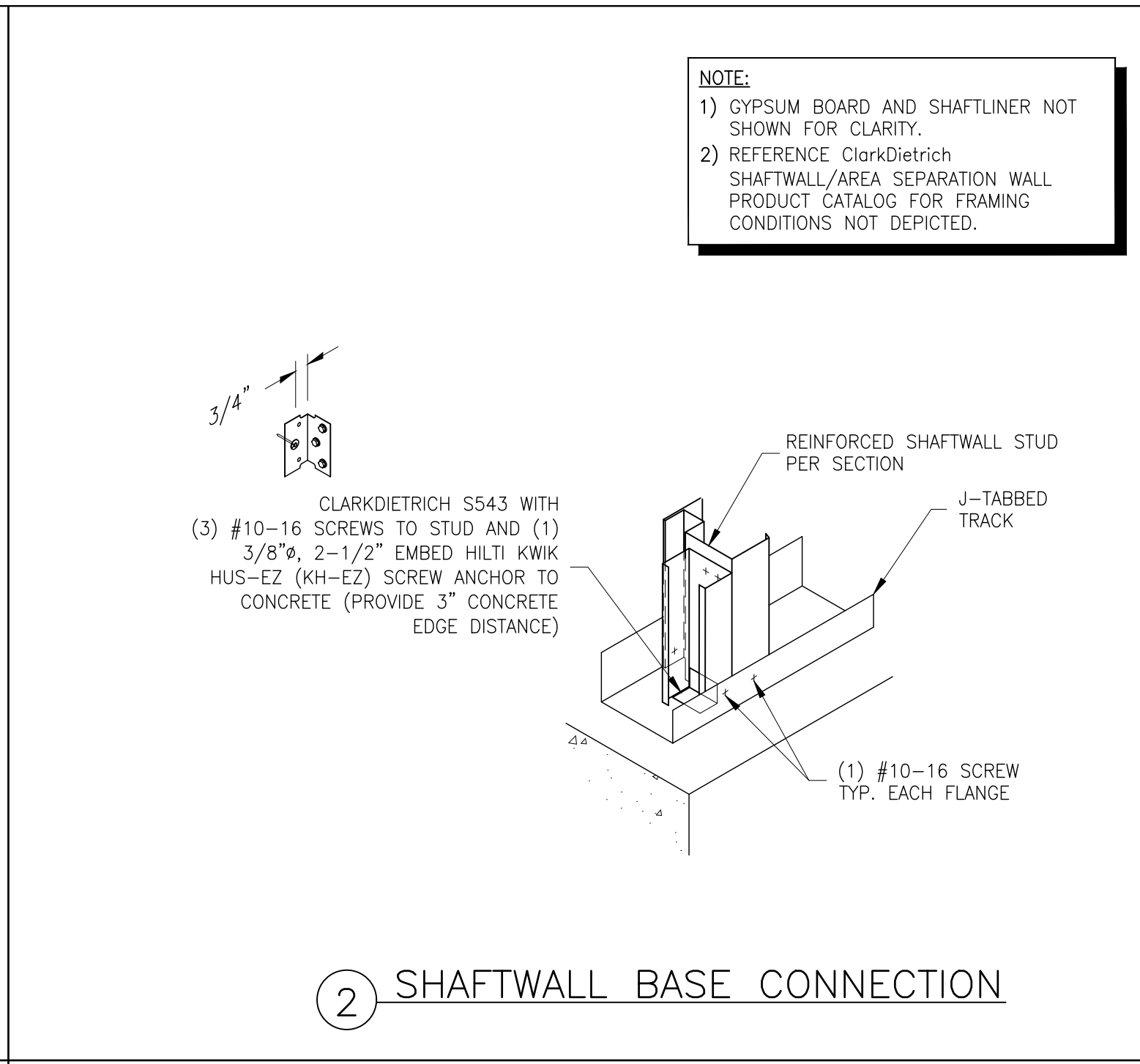
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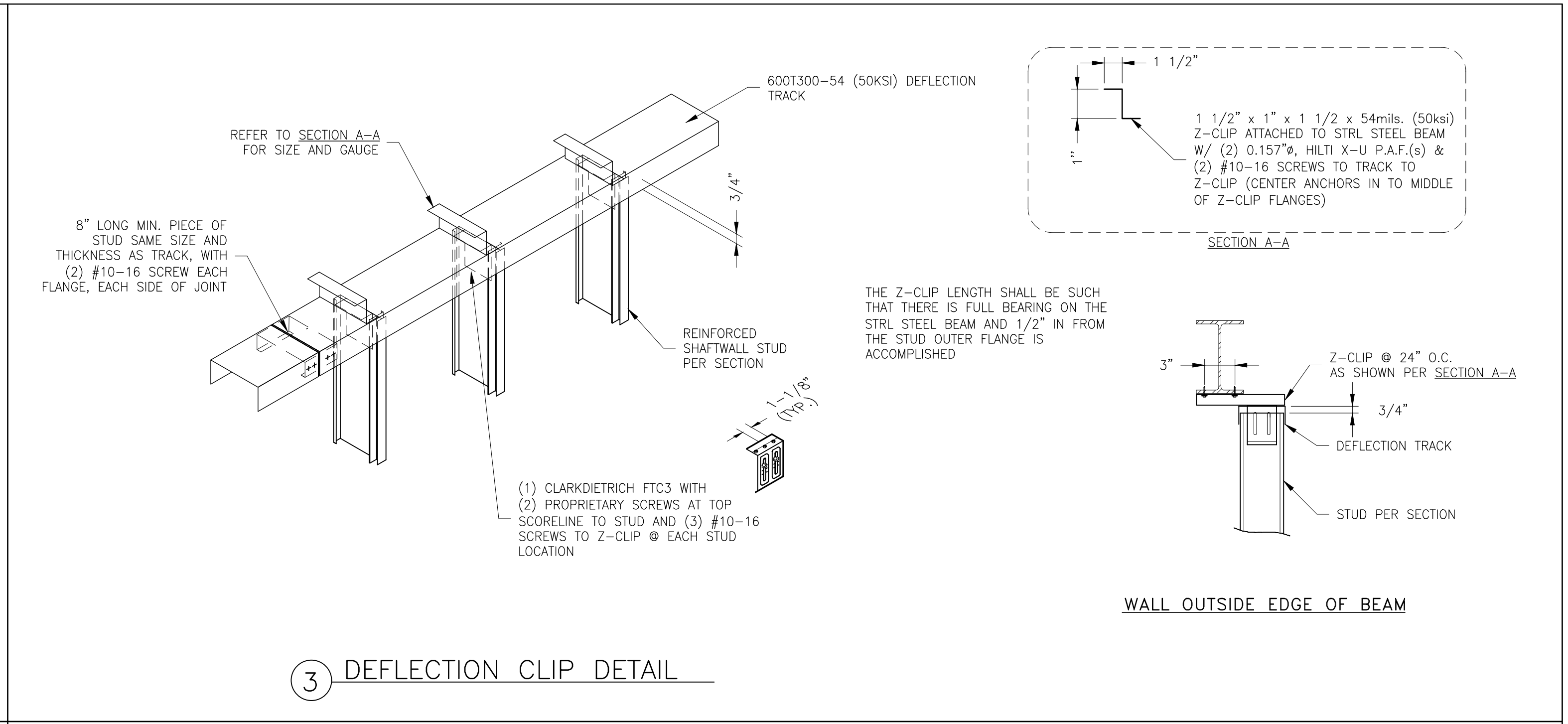
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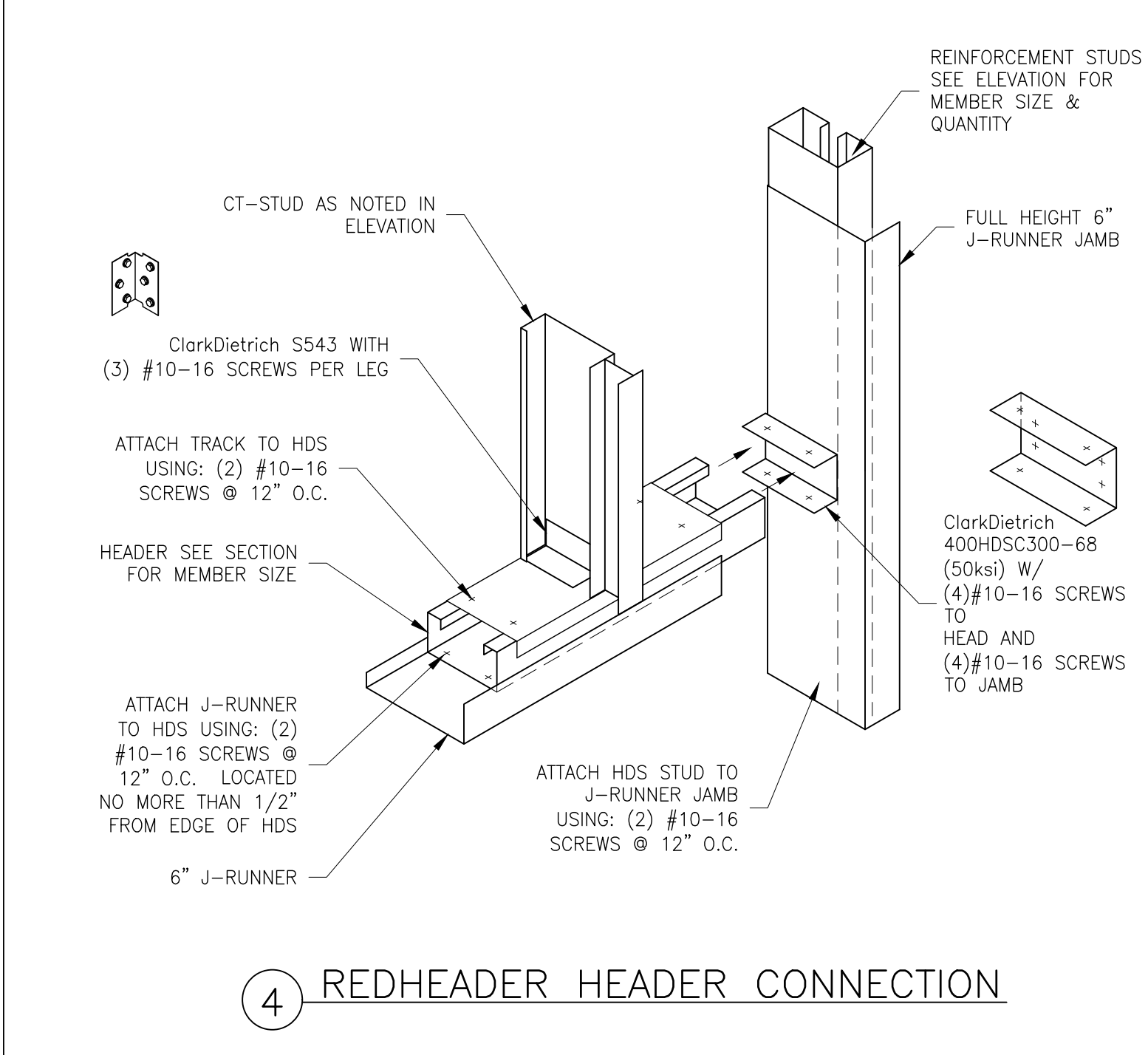
① REINFORCED SHAFTWALL STUD



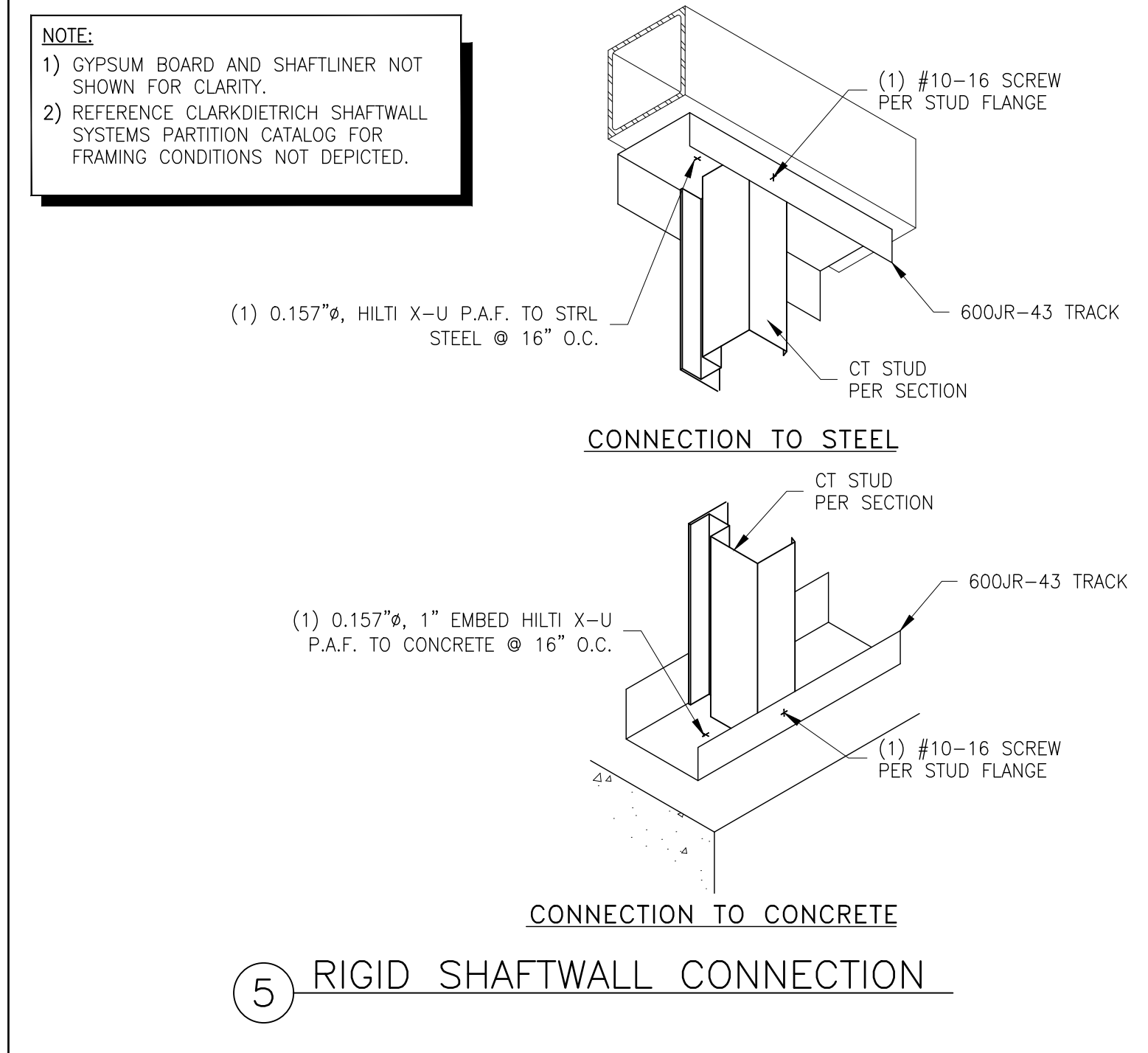
② SHAFTWALL BASE CONNECTION



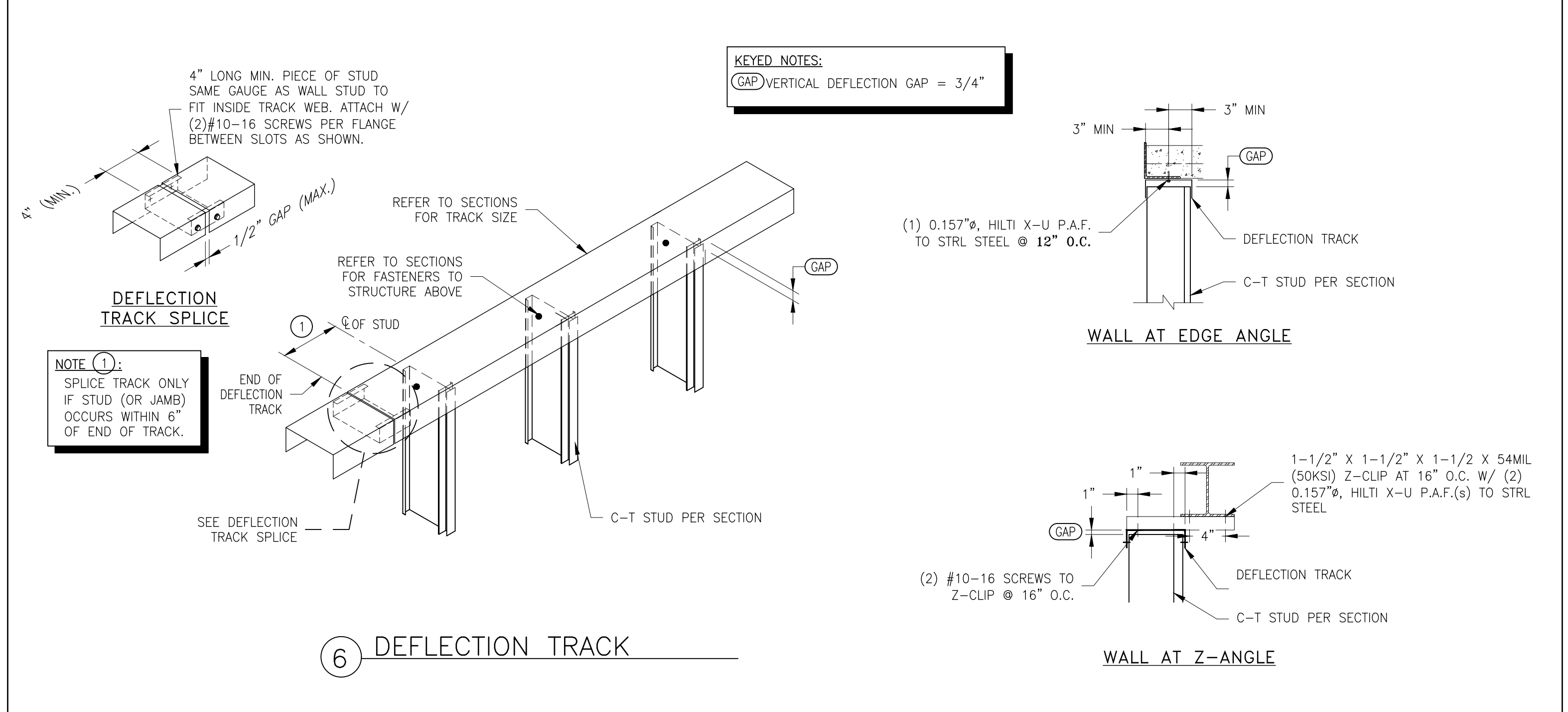
③ DEFLECTION CLIP DETAIL



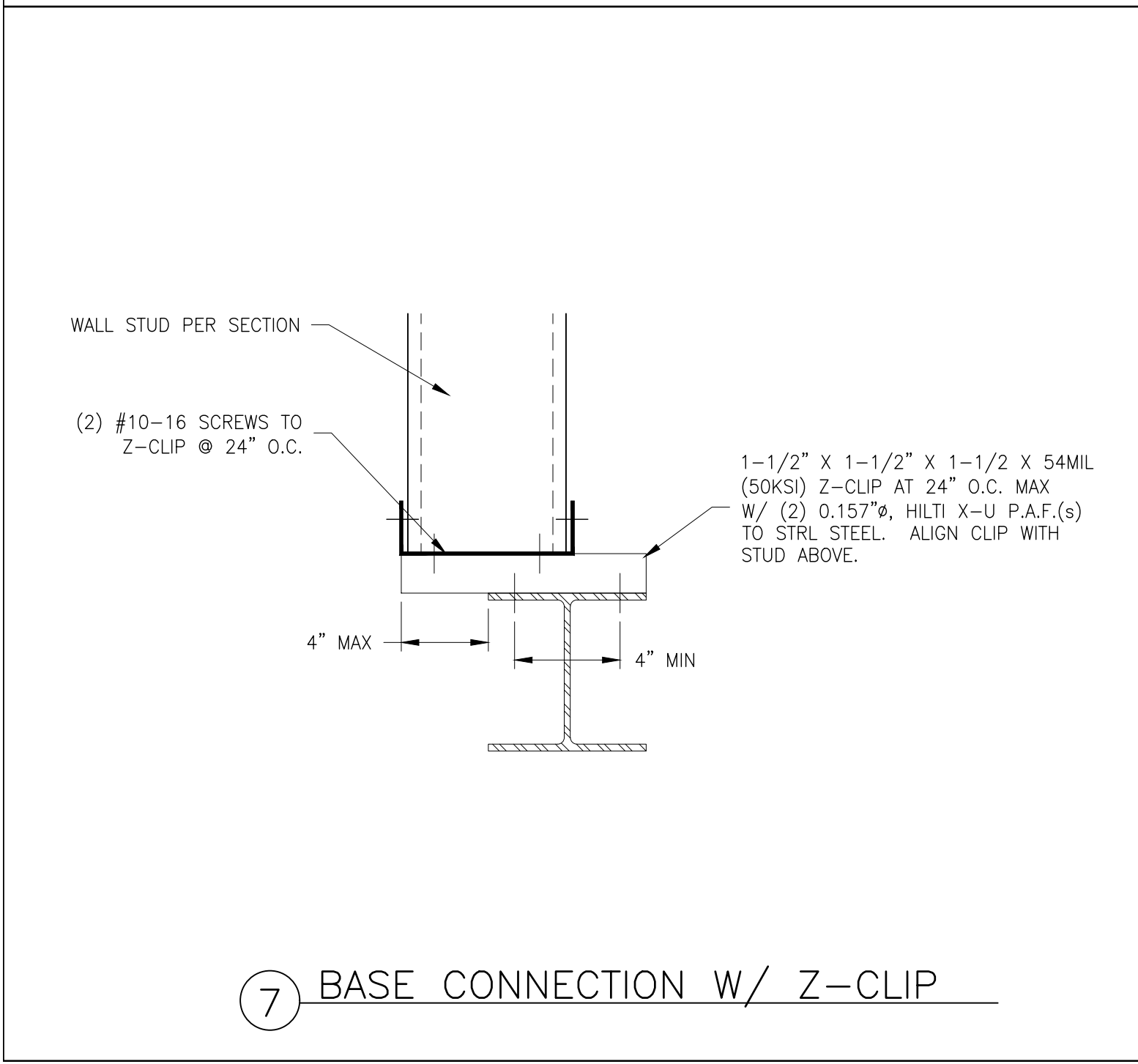
④ REDHEADER HEADER CONNECTION



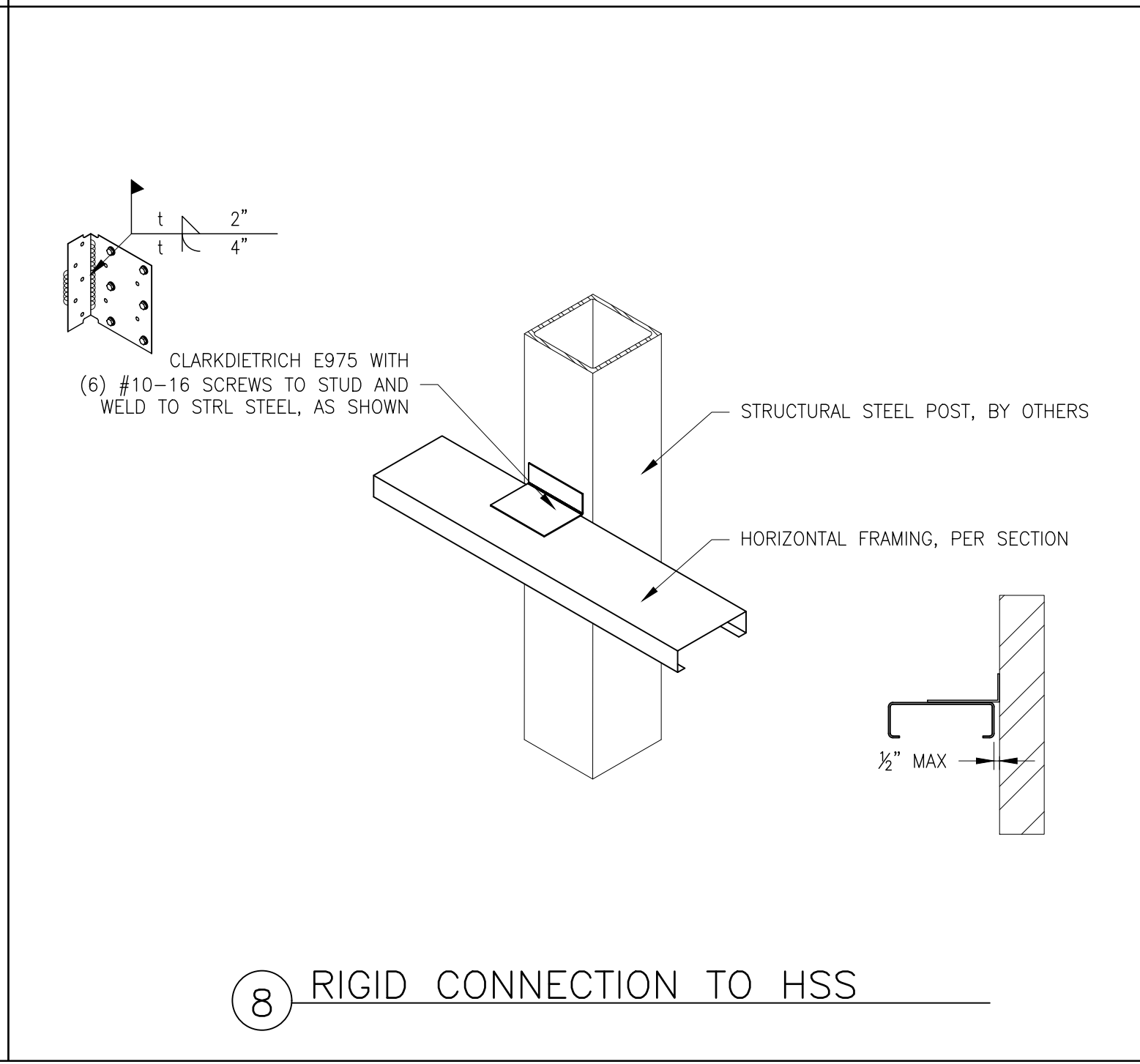
⑤ RIGID SHAFTWALL CONNECTION



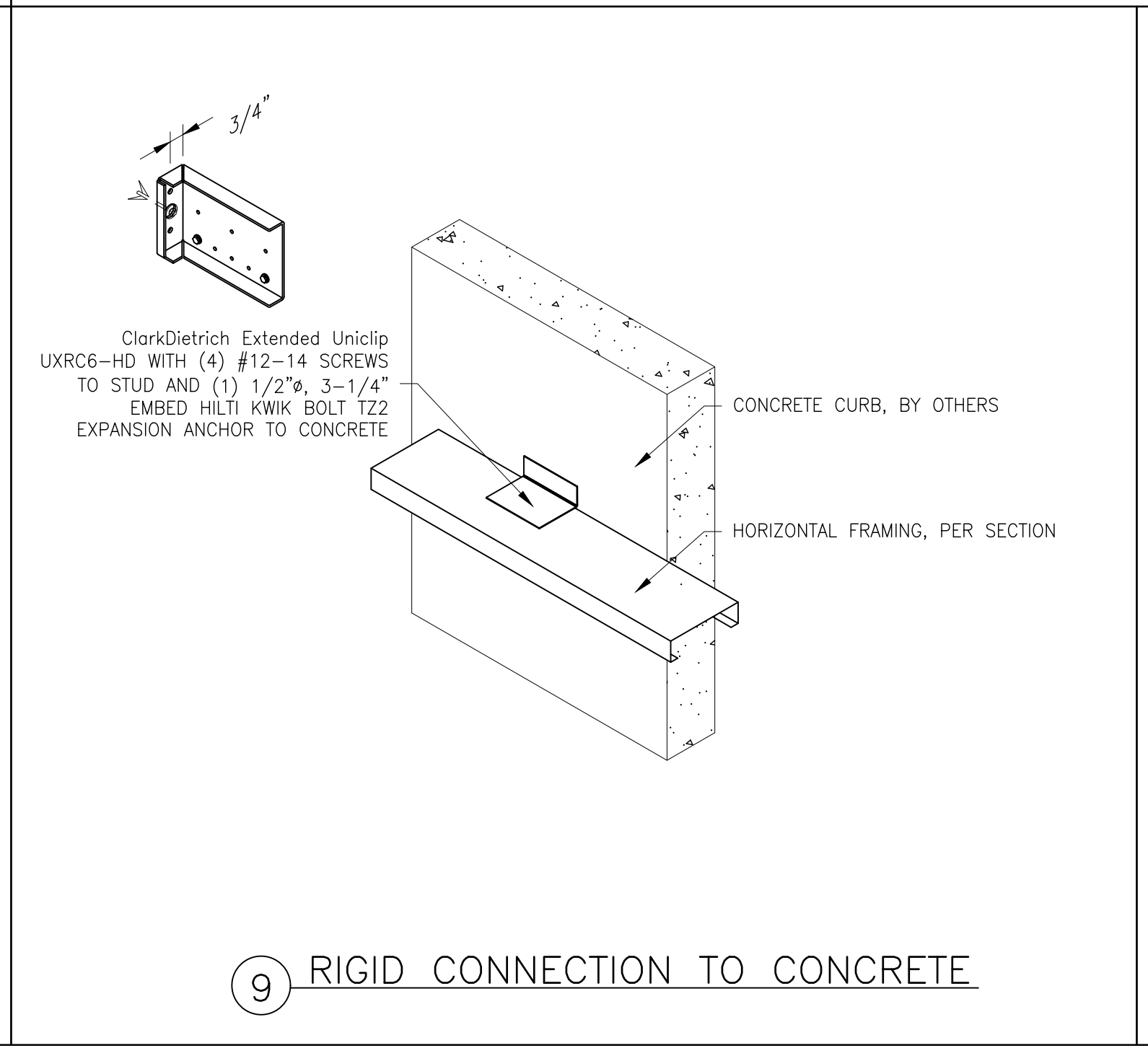
⑥ DEFLECTION TRACK



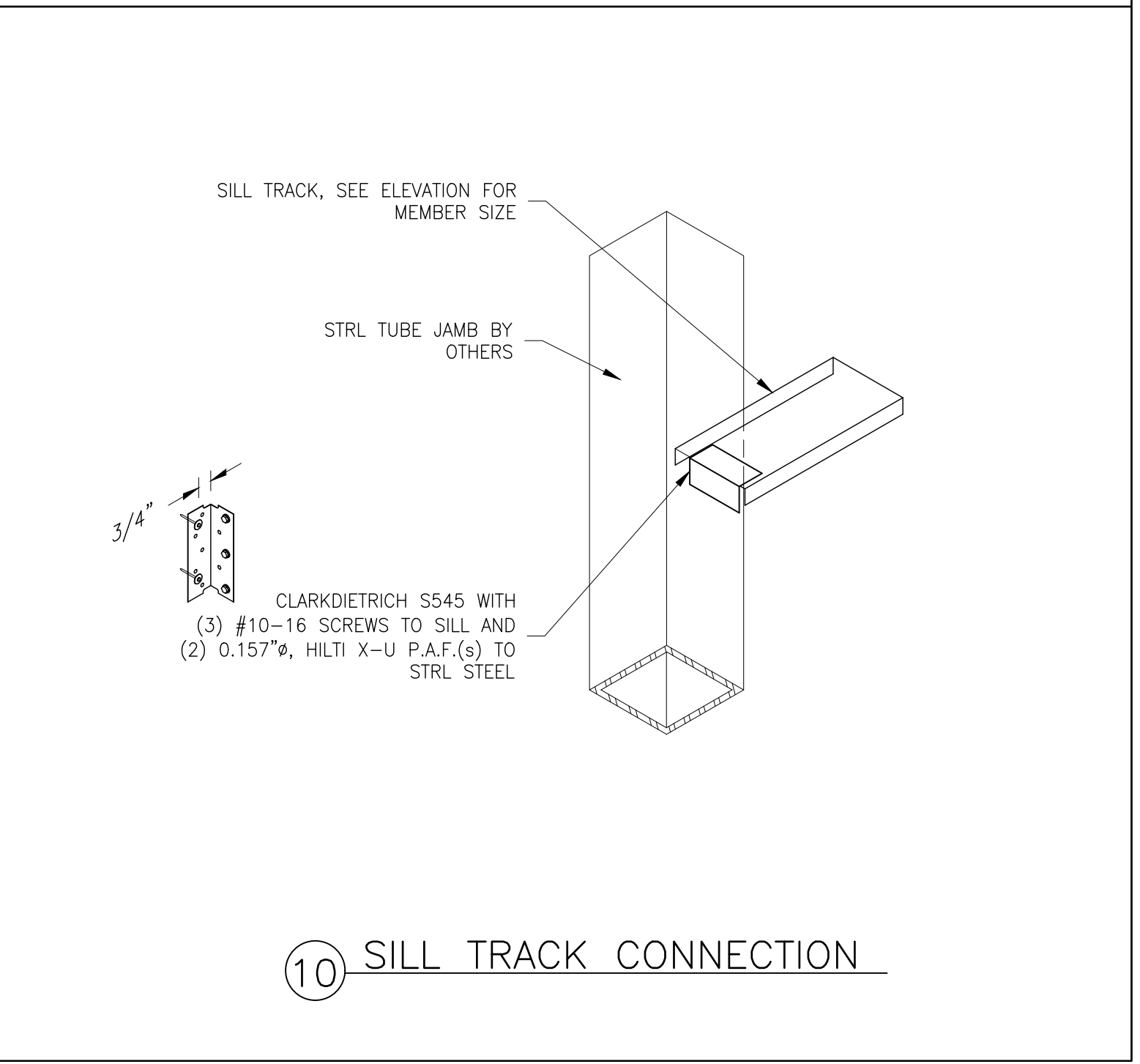
⑦ BASE CONNECTION W/ Z-CLIP



⑧ RIGID CONNECTION TO HSS



⑨ RIGID CONNECTION TO CONCRETE



⑩ SILL TRACK CONNECTION

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Revisions	By	Date
1	BAO	01/19/2023
2	BAO	02/22/2023
3	BAO	04/03/2023
4	BAO	05/22/2023
5	BAO	06/23/2023
6	BAO	08/04/2023

Drawn: BAO
 Engineer: BAO
 Reviewed: TG

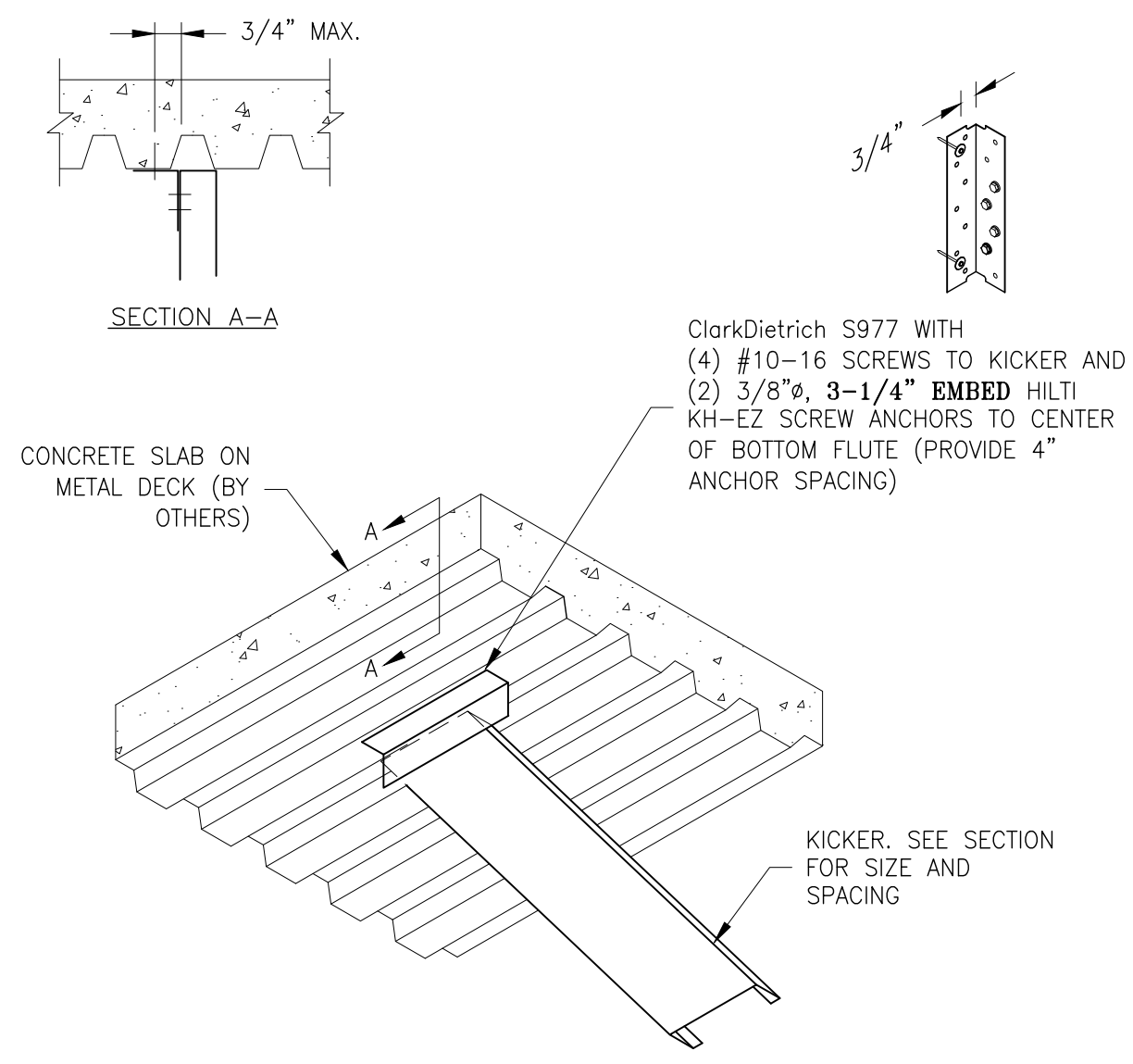
Date:
 11/15/2022

Project Number:
 2150220247-1

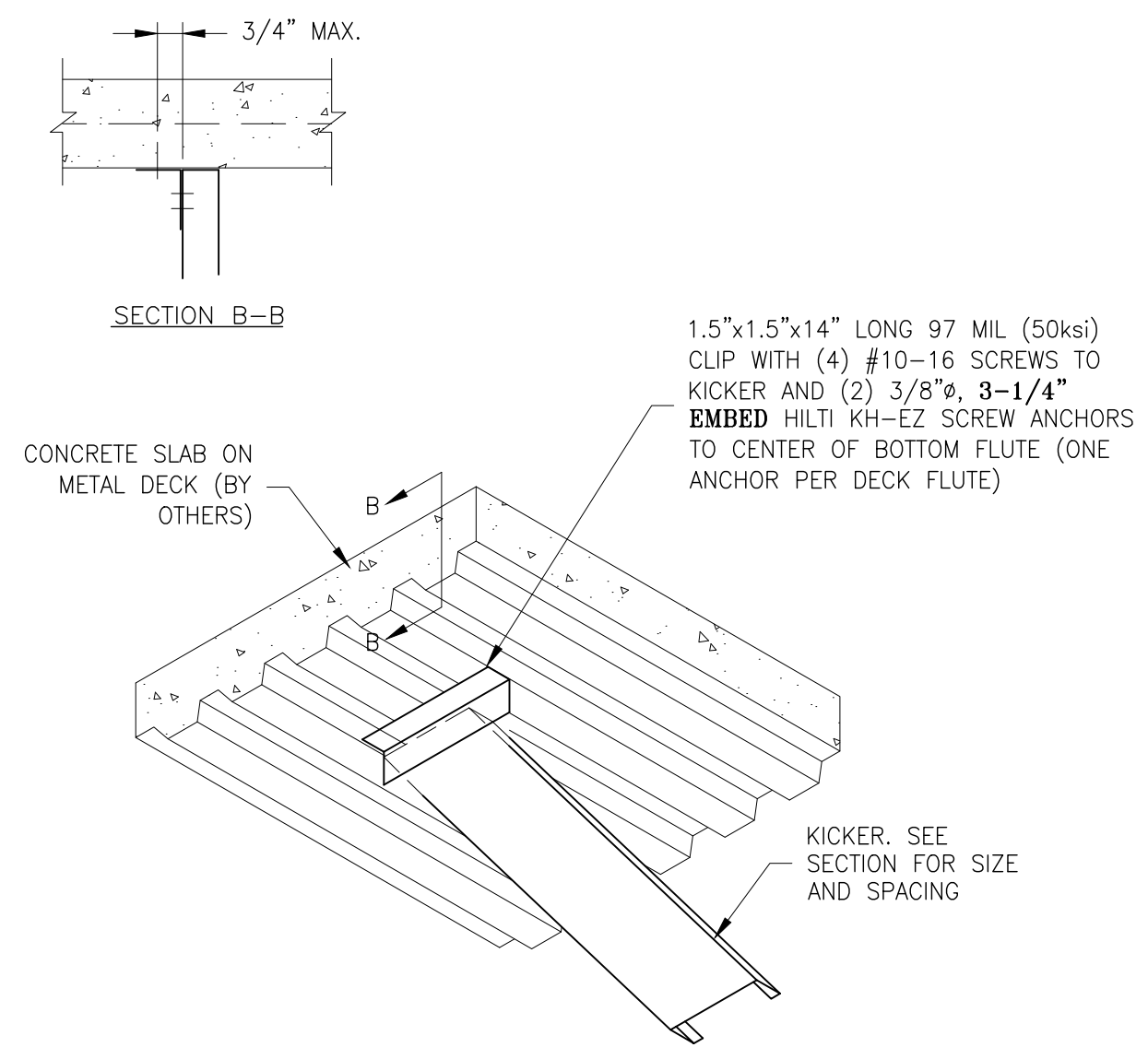
Sheet Title:
 FRAMING
 DETAILS

Sheet No.
 LSF-5.4

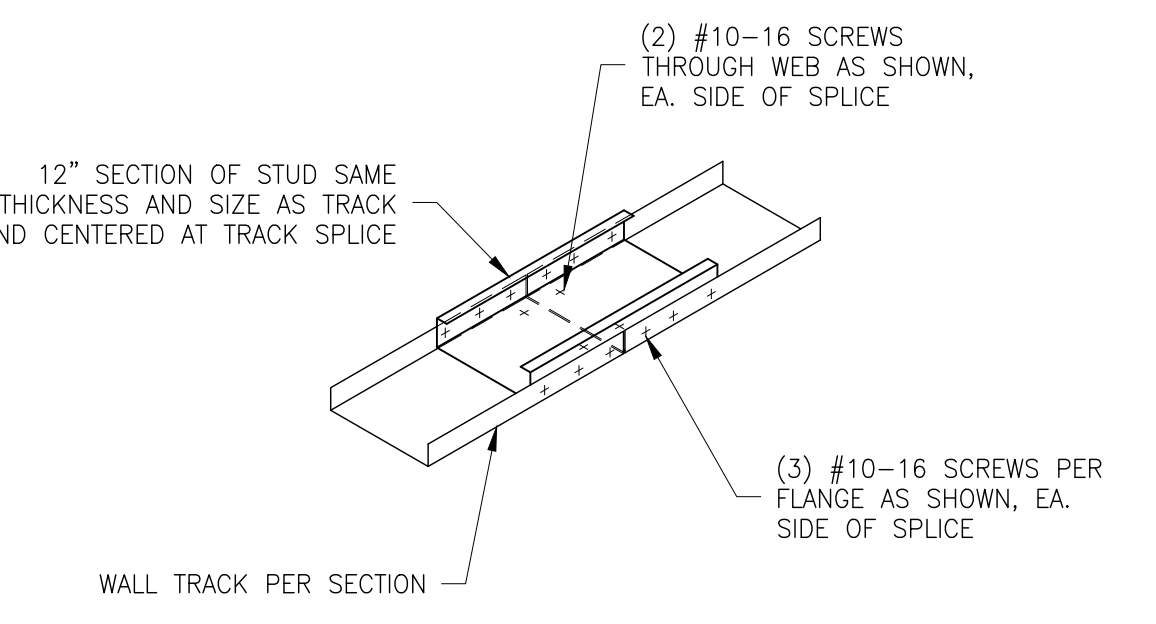
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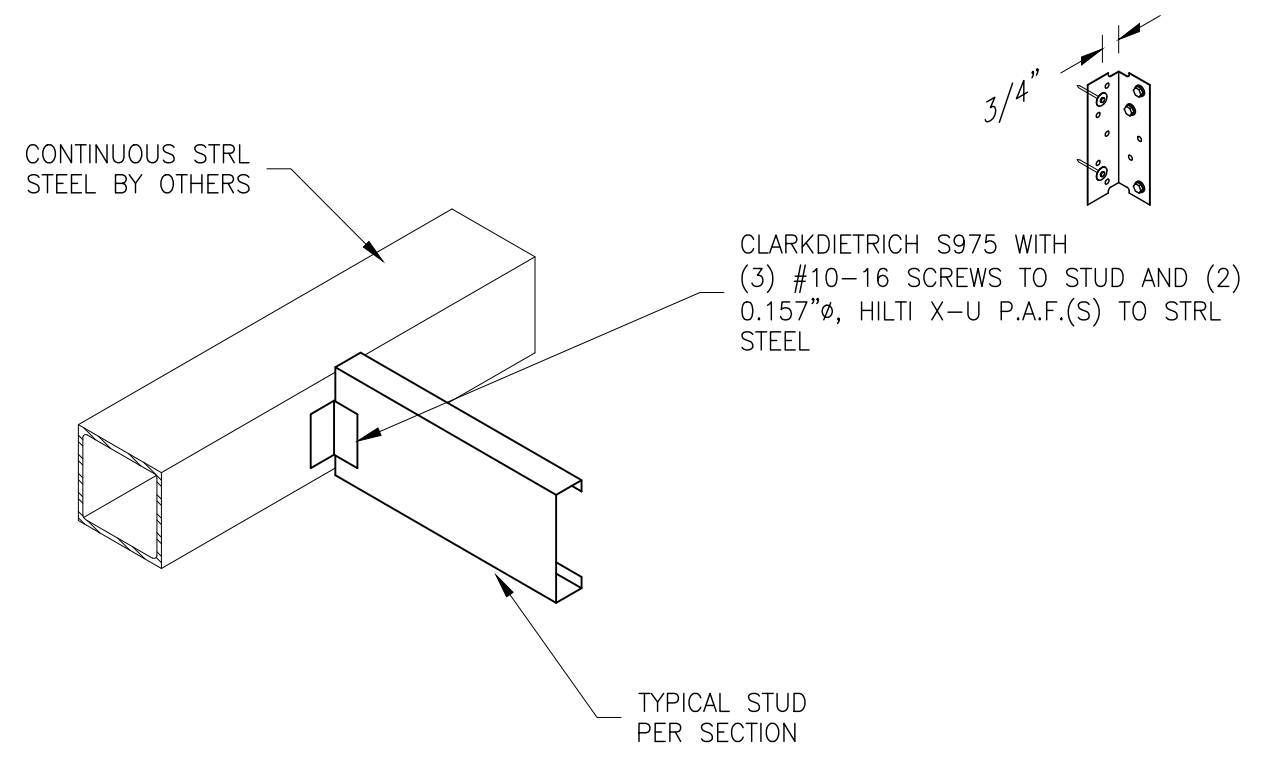
① KICKER CONNECTION TO SLAB



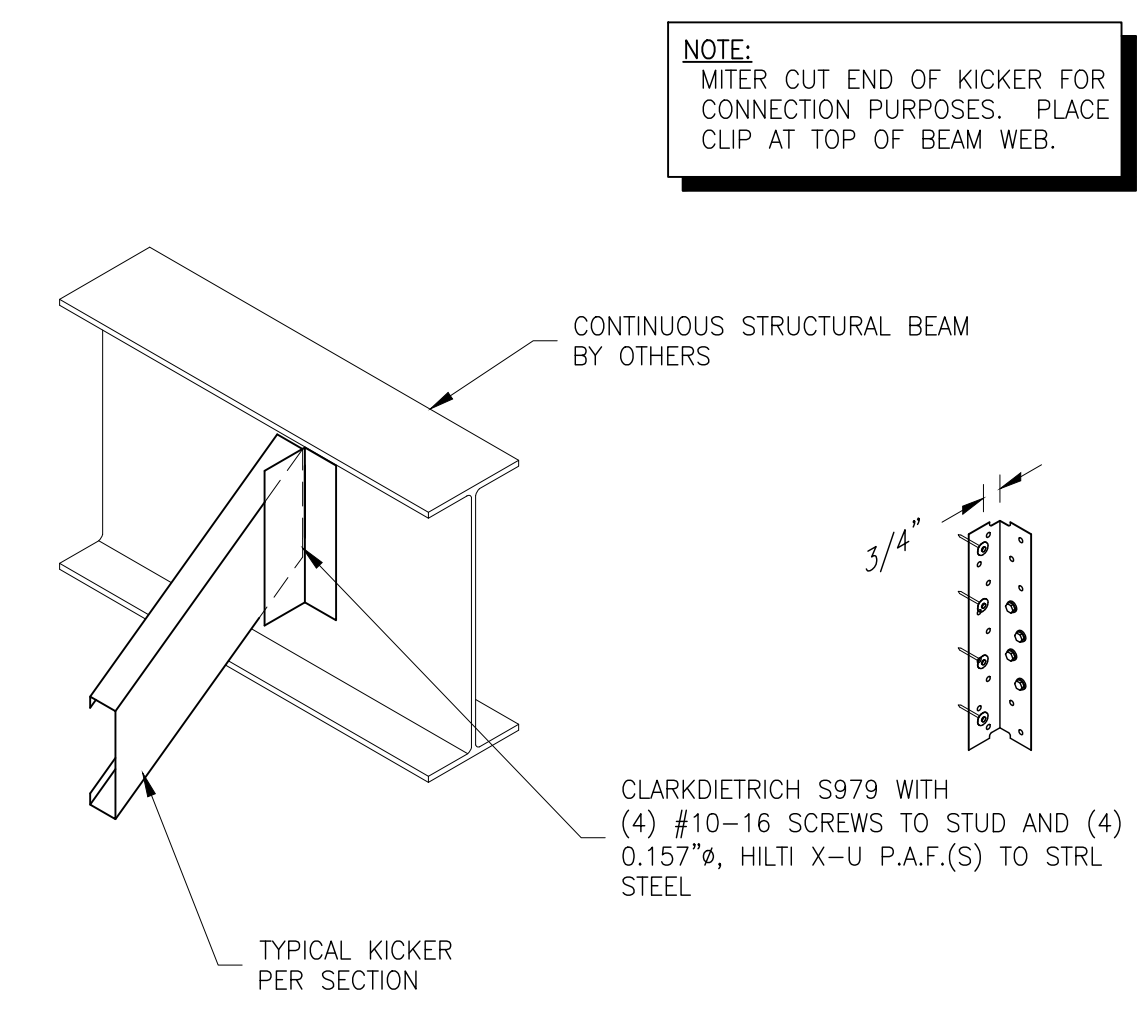
② HANGER CONNECTION TO SLAB



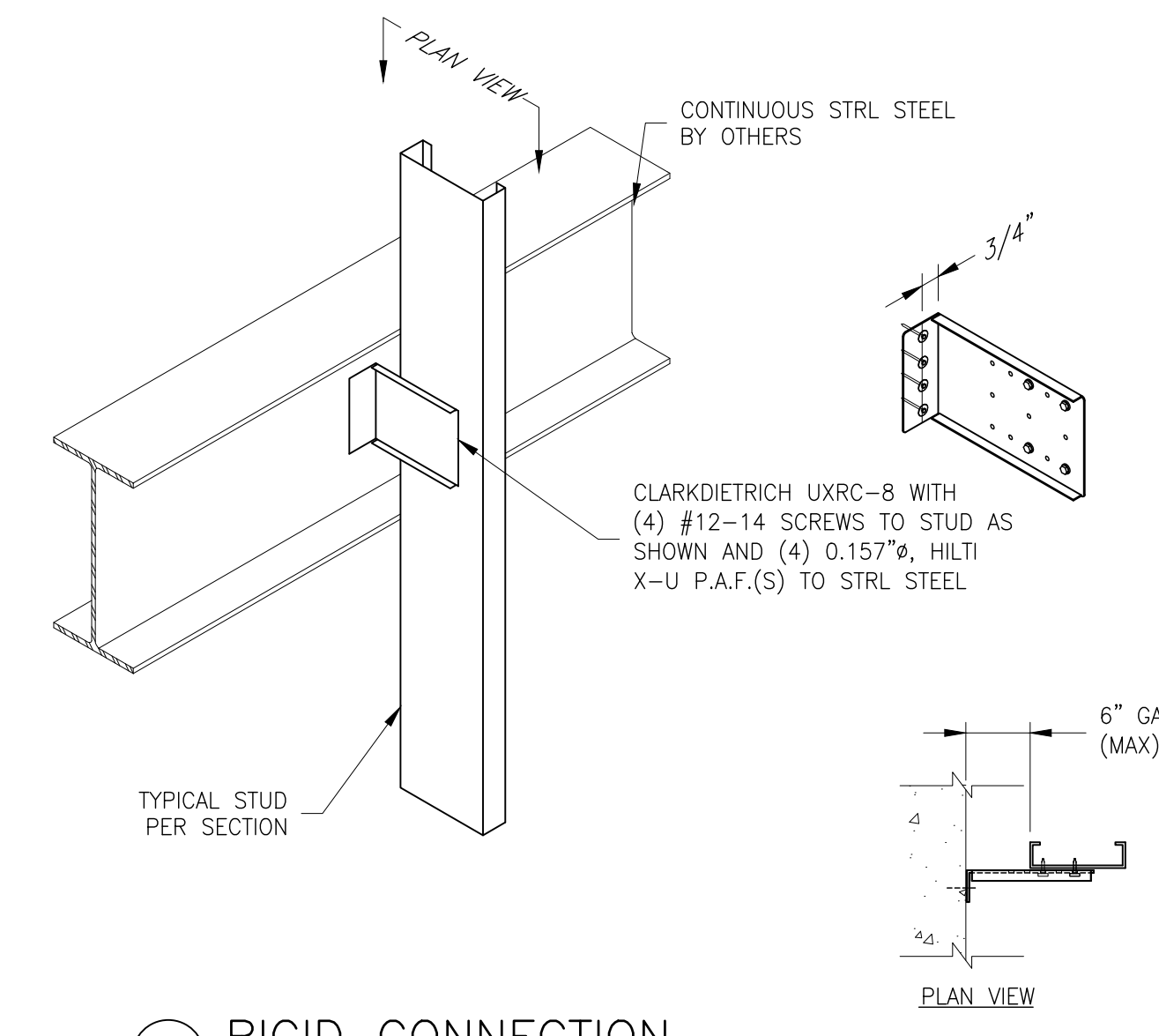
③ TRACK SPLICE



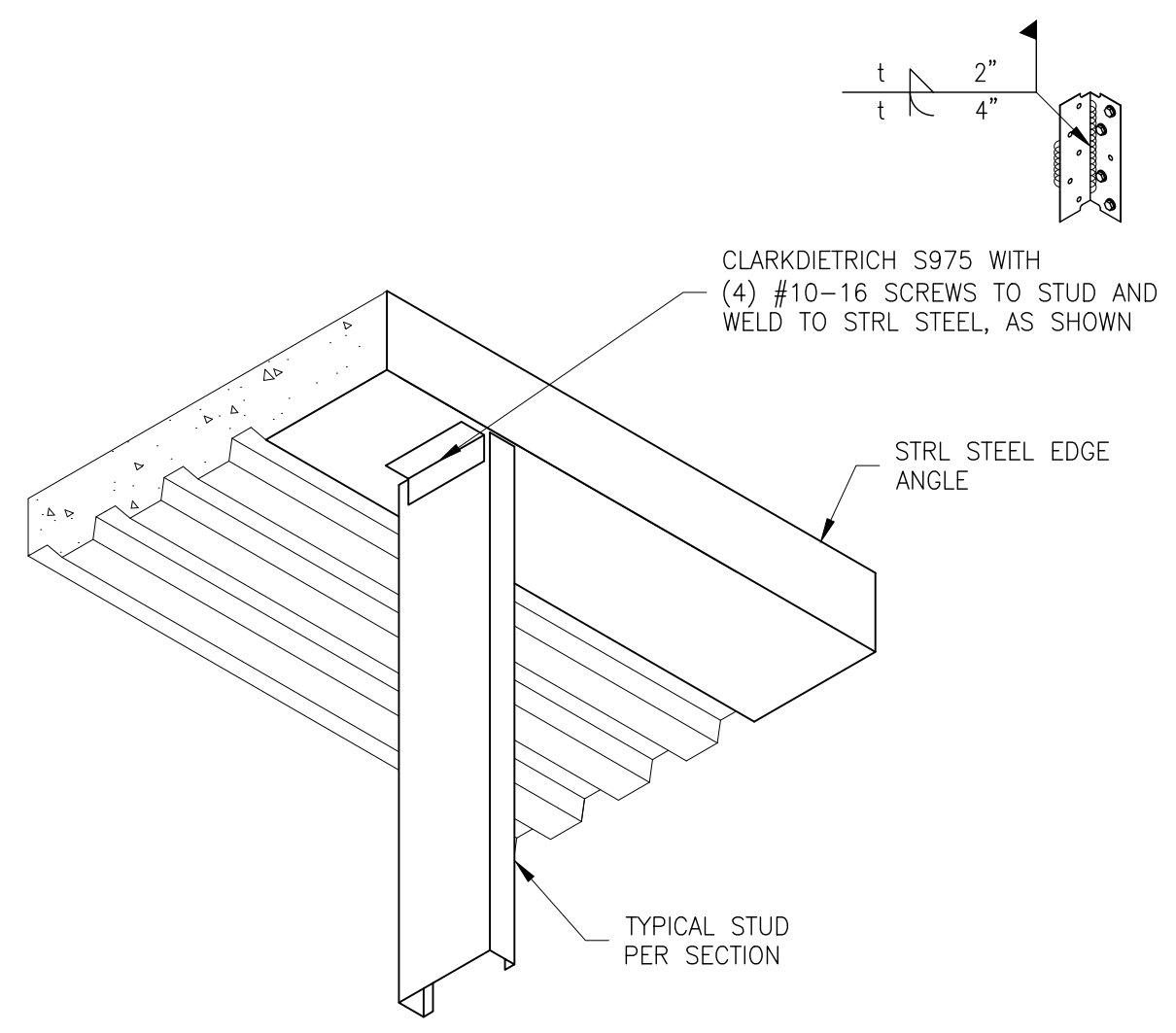
④ CONNECTION DETAIL



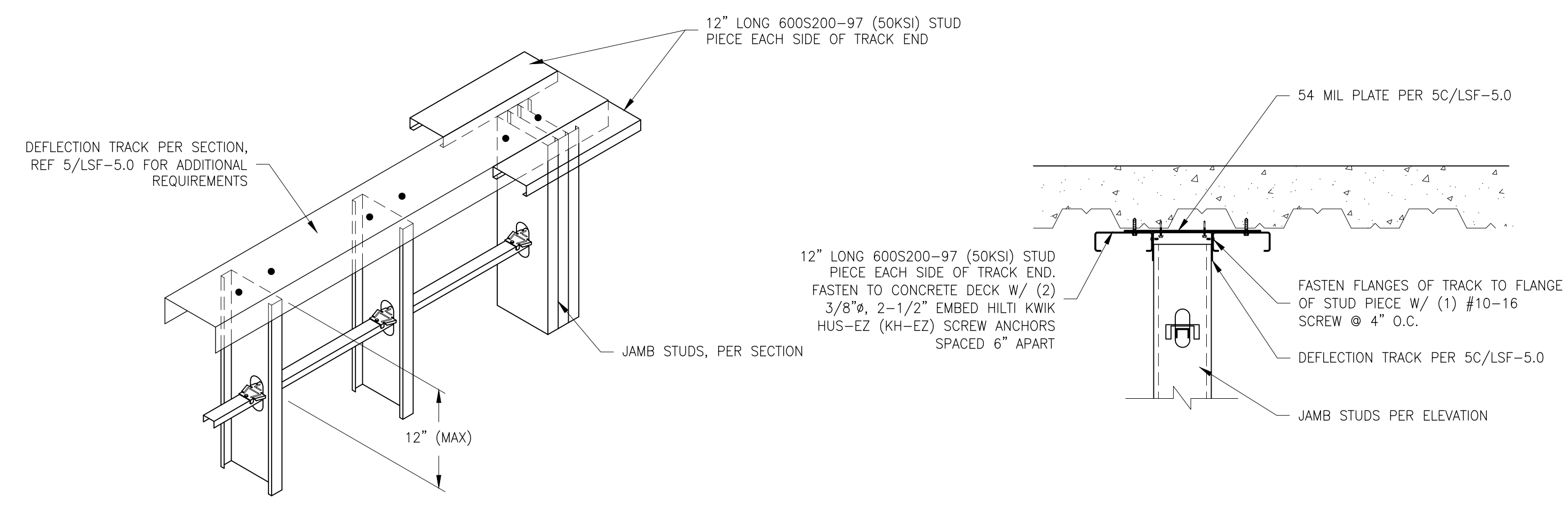
⑤ KICKER CONNECTION TO BEAM



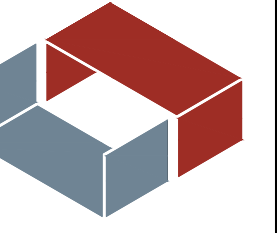
⑥ RIGID CONNECTION



⑦ RIGID CONNECTION



⑧ DEFLECTION TRACK REINFORCEMENT



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6	BAO 08/04/2023		

Drawn: BAO
Engineer: BAO
Reviewed: TG

Date: 11/15/2022

Project Number: 2150220247-1

Sheet Title: FRAMING DETAILS

Sheet No. LSF-5.5

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