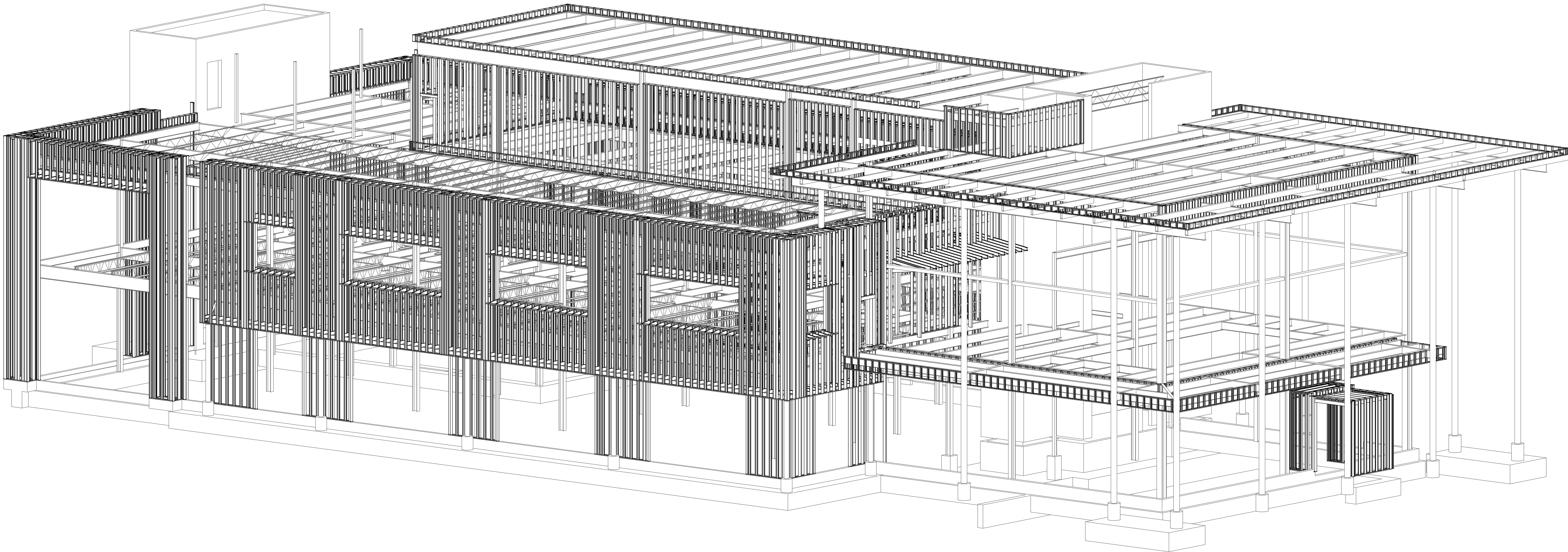


Cold Formed Stud Project



Drawing List	
Sheet Number	Sheet Name
CF0.1	Title Page
CF0.2	3D Views
CF1.0	Floor Plan
CF1.1	Floor Plan
CF1.2	Floor Plan
CF1.3	Floor Plan
CF2.0	Elevations
CF2.1	Elevations
CF3.0	Typical Details
CF3.1	Sections
CF3.2	Sections
CF3.3	Sections
CF3.4	Sections
CF3.5	Sections
CF3.6	Sections
CF3.7	Sections
CF4.0	Opening Details
CF4.1	Opening Details
CF4.2	Opening Details
CF4.3	Opening Details
CF4.4	Opening Details
CF4.5	Opening Details
CF5.0	Interior Framing
CF5.1	Interior Framing
CF5.2	Interior Framing

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE:
Title Page

DATE PLOTTED: 8/19/2026 10:55:32 AM

DRAWING NUMBER:
Project #
CF0.1

ENGINEER:
CHECKER:
DRAFTER:

DESCRIPTION:

DATE:

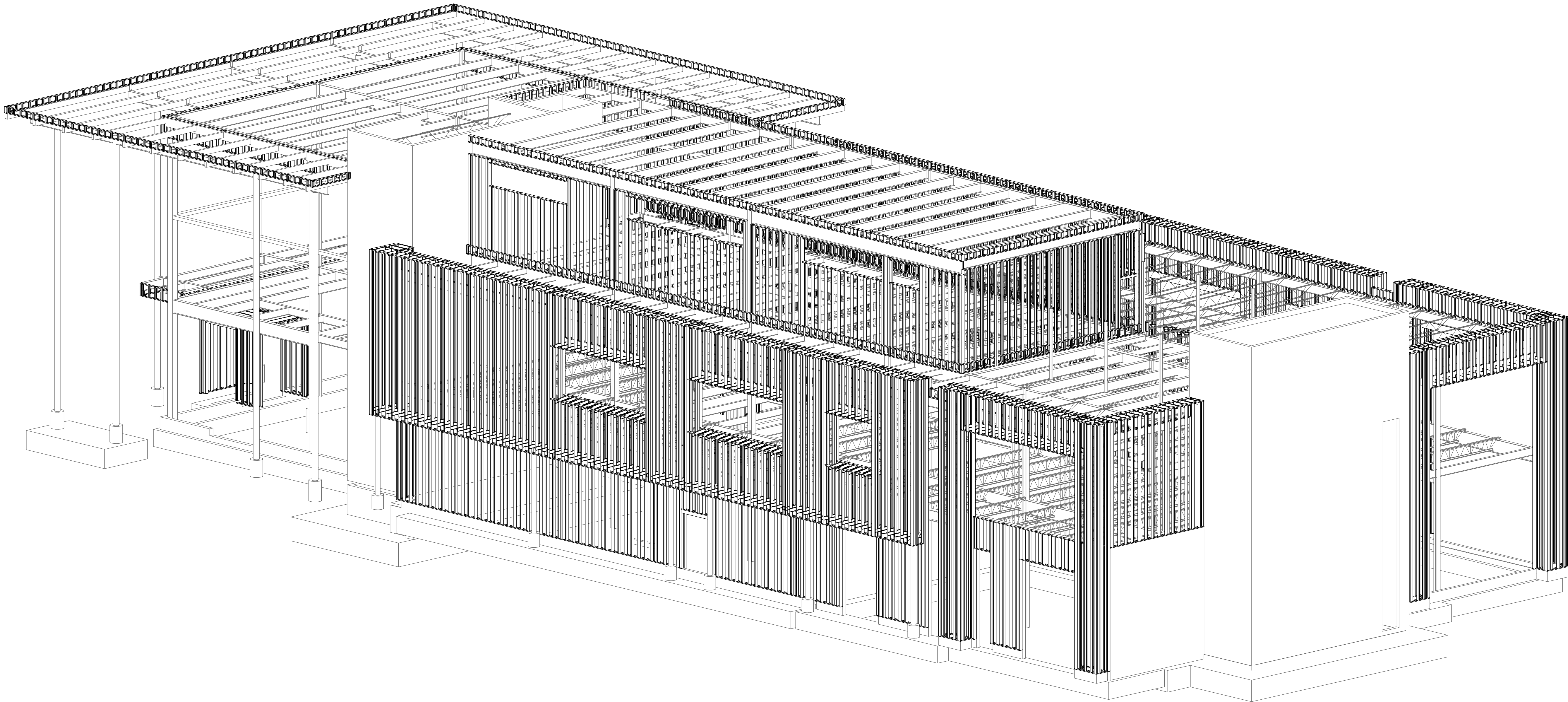
SEAL:

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Northwest Isometric

SCALE: N.T.S.

GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq$ 1/2": FULL THICKNESS STEEL THICKNESS $>$ 1/2": 1/2", U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE $F_y = 33$ KSI
43 MIL (18 GAGE) SHALL BE $F_y = 33$ KSI
54 MIL (16 GAGE) SHALL BE $F_y = 50$ KSI
68 MIL (14 GAGE) SHALL BE $F_y = 50$ KSI
97 MIL (12 GAGE) SHALL BE $F_y = 50$ KSI
118 MIL (10 GAGE) SHALL BE $F_y = 50$ KSI
4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACK) @ 12" O.C. MAX., U.N.O.
5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

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DESCRIPTION:

DATE:

SEAL:

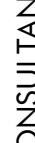
FOR APPROVAL NOT FOR CONSTRUCTION

TITLE:
3D Views

DATE PLOTTED: 8/19/2026 10:55:33 AM
DRAFTER: ENGINEER:

FILE NUMBER :
Project #
DRAWING NUMBER :
CF0.2

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT:
STEEL THICKNESS ≤ 1/2": FULL THICKNESS
STEEL THICKNESS > 1/2": 1/2", U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE Fy = 33KSI
44 MIL (18 GAGE) SHALL BE Fy = 33KSI
54 MIL (16 GAGE) SHALL BE Fy = 50KSI
68 MIL (14 GAGE) SHALL BE Fy = 50KSI
97 MIL (12 GAGE) SHALL BE Fy = 50KSI
118 MIL (10 GAGE) SHALL BE Fy = 50KSI
4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACK) @ 12" O.C. MAX., U.N.O.
5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
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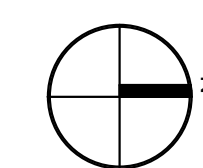
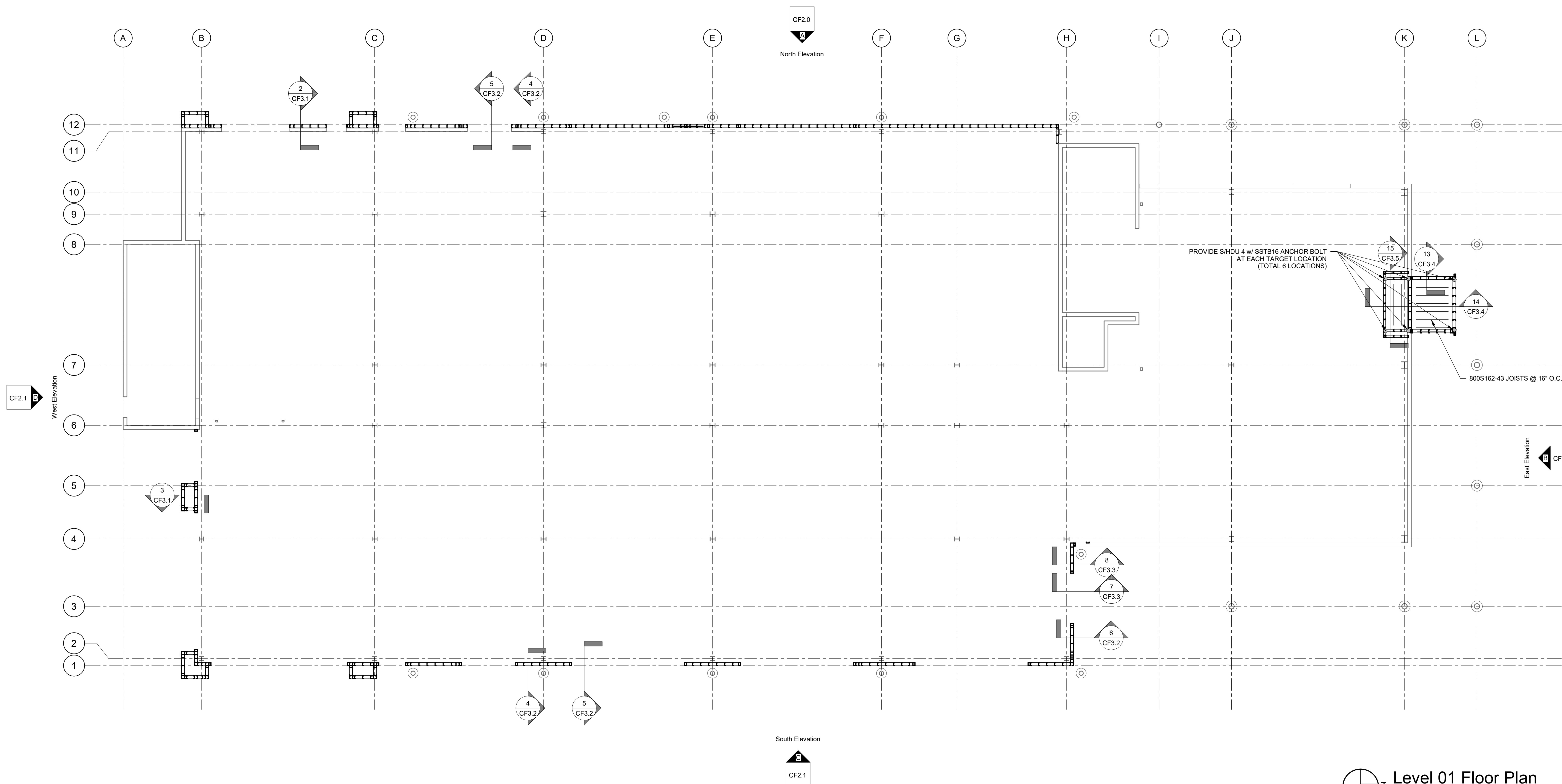
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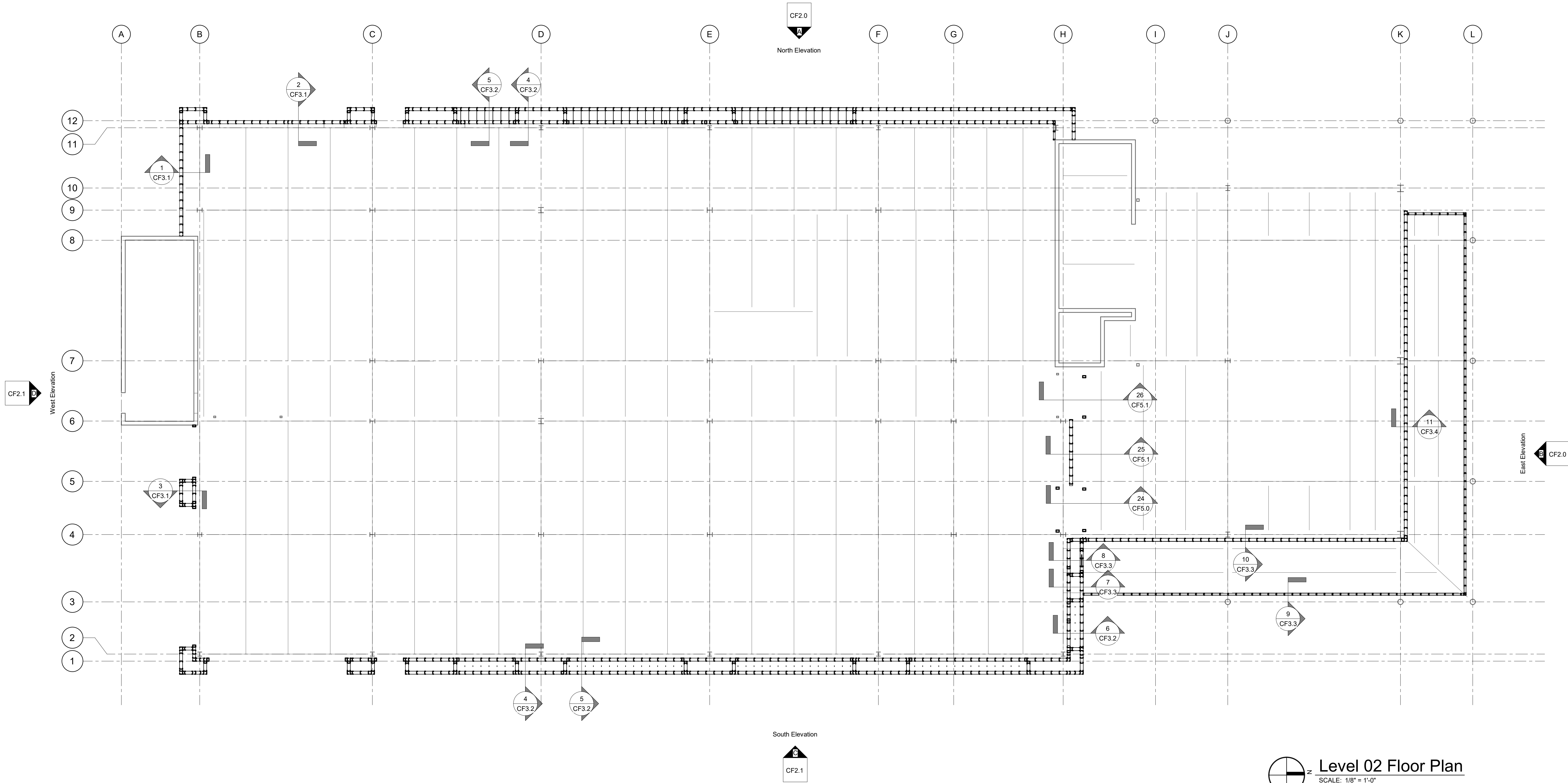
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SEAL:						

3

FOR APPROVAL NOT FOR CONSTRUCTION	TITLE:	Floor Plan	
	FILE NUMBER :		
	DATE PLOTTED: 8/19/2026 10:55:33 AM	CHECKER:	ENGINEER:
	DRAWER:		
	PROJECT #		
	DRAWING NUMBER :		CF1.0



Level 01 Floor Plan



GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq$ 1/2"; FULL THICKNESS STEEL THICKNESS $>$ 1/2": 1/2", U.N.O.
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43 MIL. (18 GAGE) SHALL BE $F_y = 33$ KSI
54 MIL. (16 GAGE) SHALL BE $F_y = 50$ KSI
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97 MIL. (12 GAGE) SHALL BE $F_y = 50$ KSI
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Cold Formed Stud Project

DATE:	DESCRIPTION:

SEAL:

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE: **Floor Plan**

FILE NUMBER : **Project #**

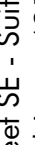
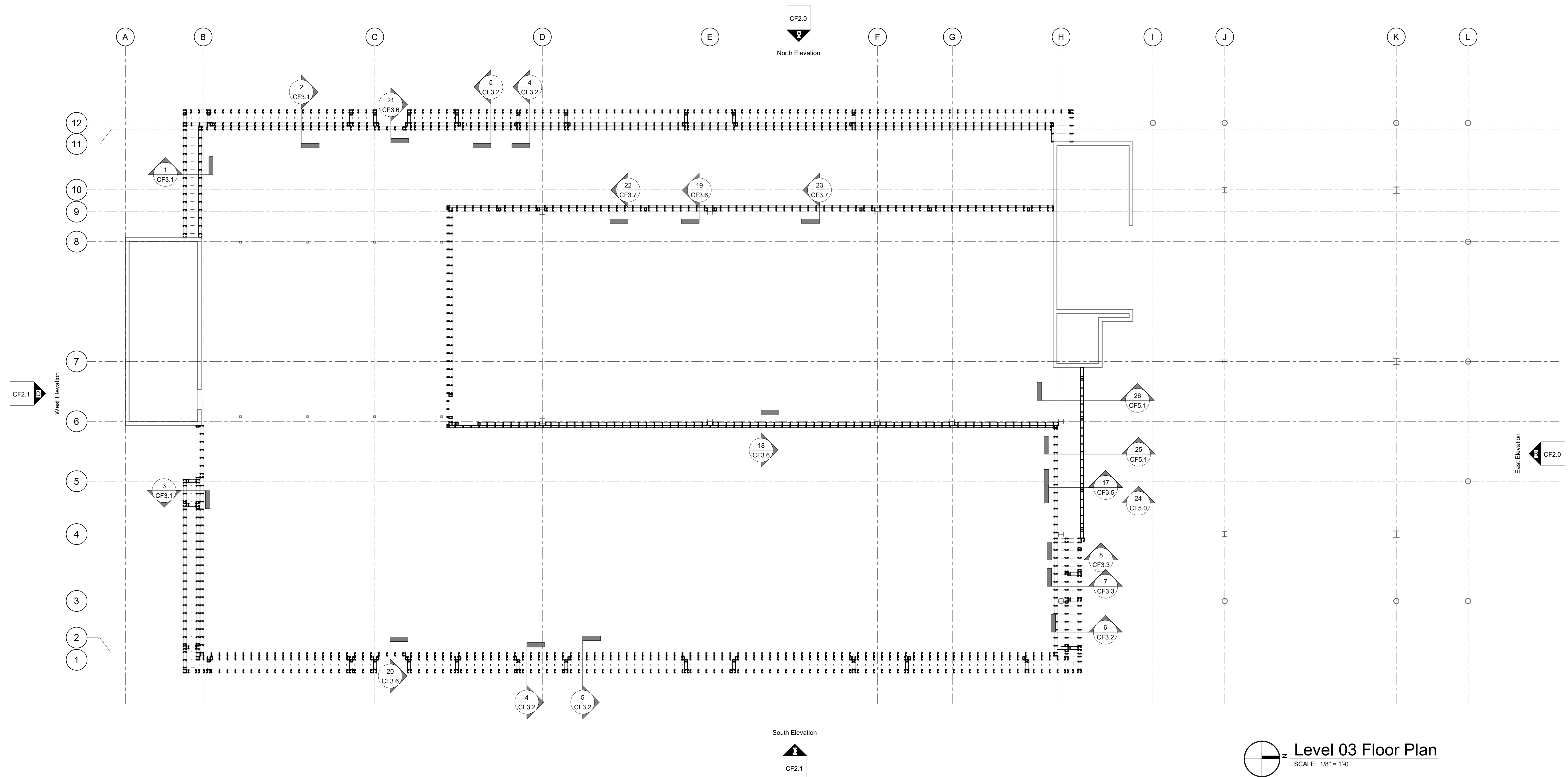
DRAWING NUMBER : **CF1.1**

DATE PLOTTED: 8/19/2026 10:55:33 AM

DRAFTER: _____ CHECKER: _____ ENGINEER: _____

- GENERAL SHEET NOTES:

1. HLTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN., U.N.O.
2. HLTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT:
STEEL THICKNESS $\leq 1/2"$; FULL THICKNESS
STEEL THICKNESS $> 1/2"$; 1/2", U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS
33 MIL (20 GAGE) SHALL BE $F_y = 33$ KSI
43 MIL (18 GAGE) SHALL BE $F_y = 33$ KSI
54 MIL (16 GAGE) SHALL BE $F_y = 50$ KSI
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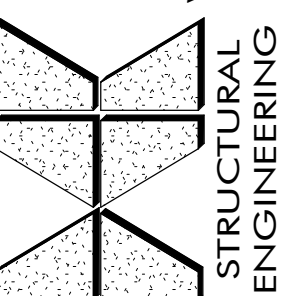
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TITLE:	Floor Plan		
FILE NUMBER :			
Project #			
DRAWING NUMBER :			
CF1.2			
DATE PLOTTED: 8/19/2026 10:55:34 AM	CHECKER:	ENGINEER:	
DRAFTER:			

- GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT:
STEEL THICKNESS $\leq 1/2$ "; FULL THICKNESS
STEEL THICKNESS $> 1/2$ "; $1/2$ ", U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIP (18 GAGE) SHALL BE Fy = 33KSI
43 MIP (18 GAGE) SHALL BE Fy = 33KSI
54 MIP (16 GAGE) SHALL BE Fy = 50KSI
68 MIP (14 GAGE) SHALL BE Fy = 50KSI
97 MIP (12 GAGE) SHALL BE Fy = 50KSI
118 MIP (10 GAGE) SHALL BE Fy = 50KSI
4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NO DEFLECTION TRACK) @ $12" \leq C.C. \text{ MAX.}$, U.N.O.
5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER W/ (2) #8 SCREWS @ $24" \leq C.C.$
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.



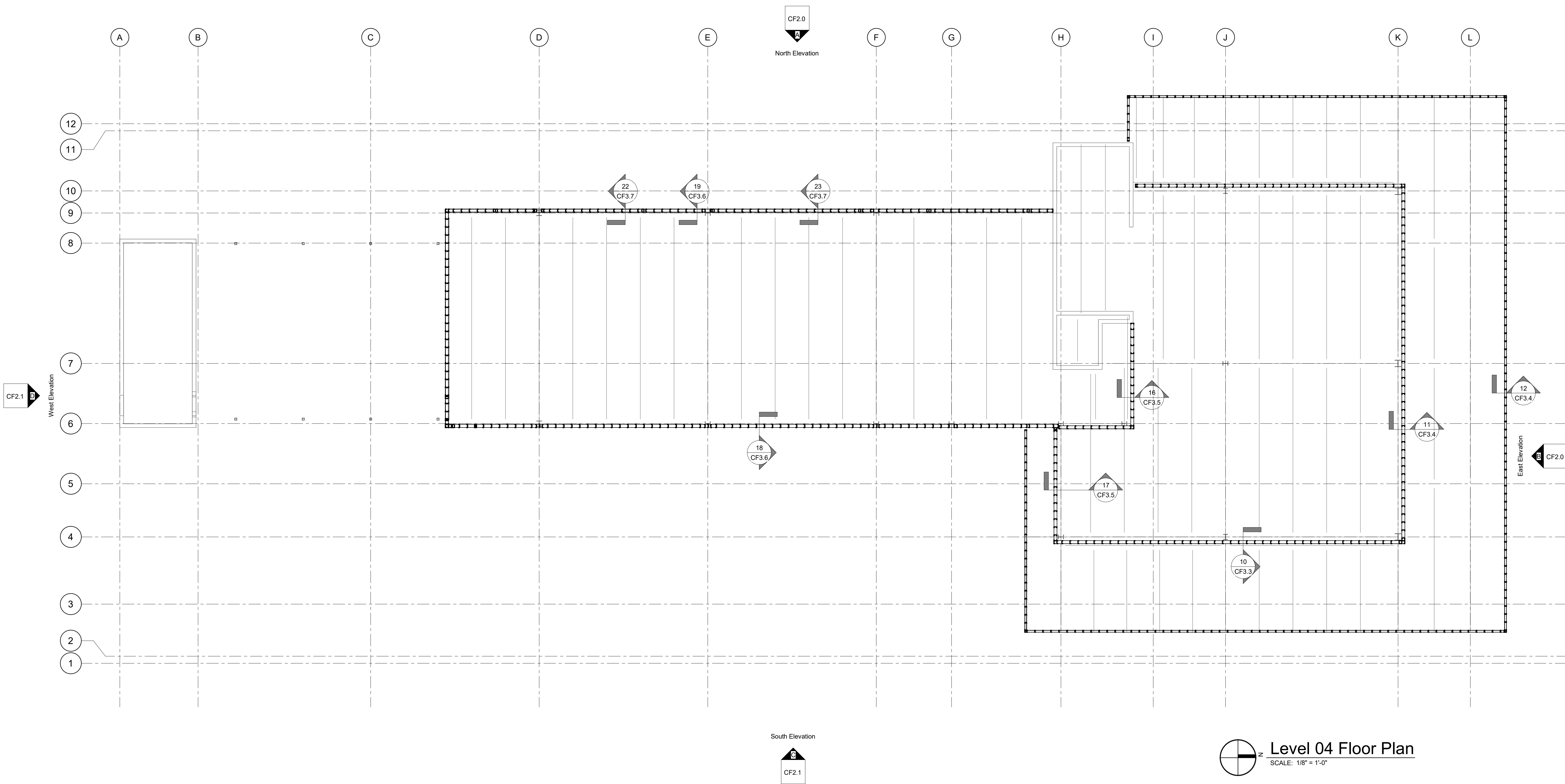
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TITLE:
Floor Plan

FILE NUMBER :	Project #
DRAWING NUMBER :	CF1.3



- GENERAL SHEET NOTES:
- HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
 - HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq 1/2"$; FULL THICKNESS STEEL THICKNESS $> 1/2"$; 1/2", U.N.O.
 - COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE $F_y = 33\text{KSI}$
43 MIL (18 GAGE) SHALL BE $F_y = 33\text{KSI}$
54 MIL (16 GAGE) SHALL BE $F_y = 50\text{KSI}$
68 MIL (14 GAGE) SHALL BE $F_y = 50\text{KSI}$
97 MIL (12 GAGE) SHALL BE $F_y = 50\text{KSI}$
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 - TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

Cold Formed Stud Project

DESCRIPTION:

DATE:

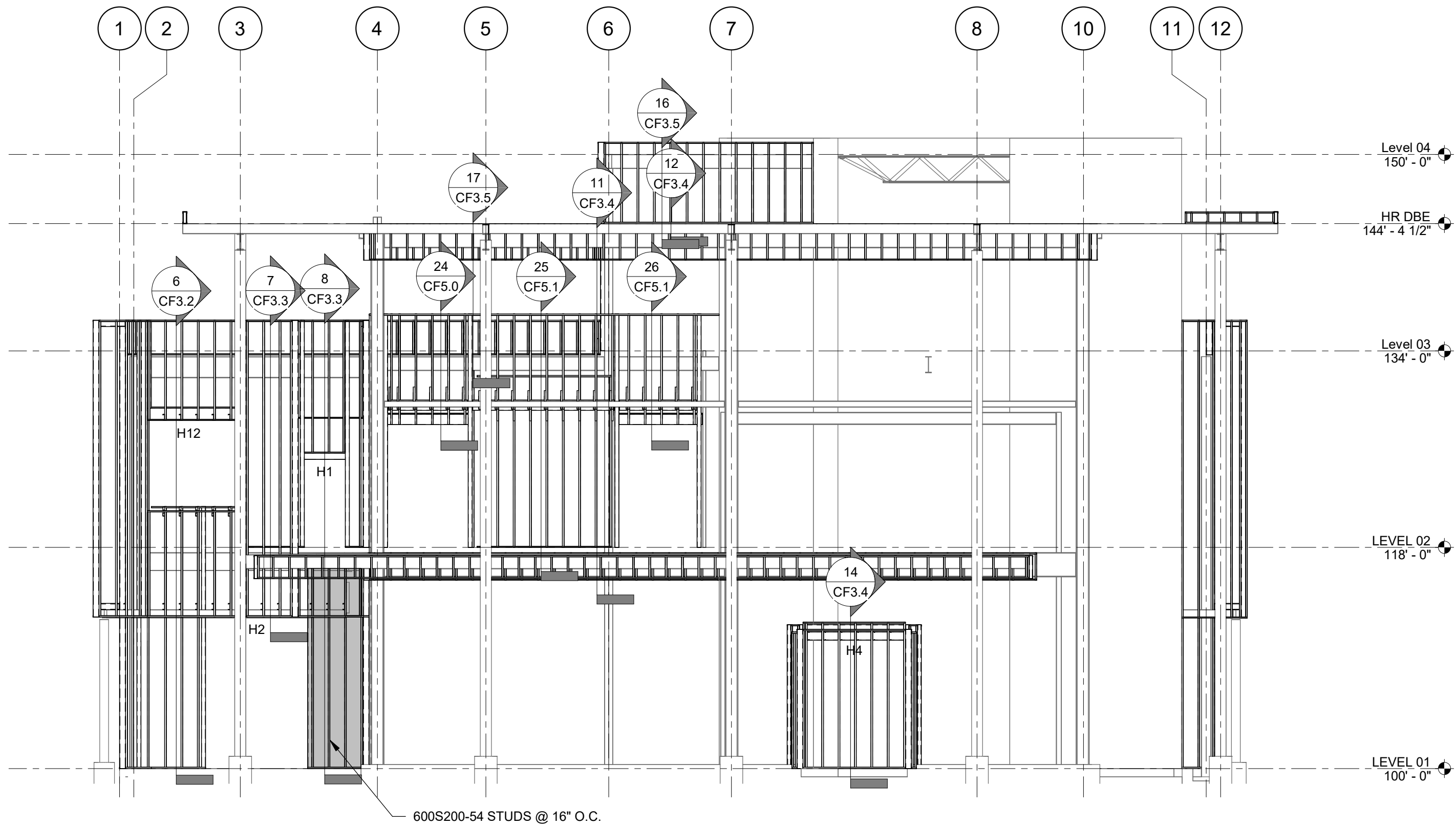
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FOR APPROVAL NOT FOR CONSTRUCTION

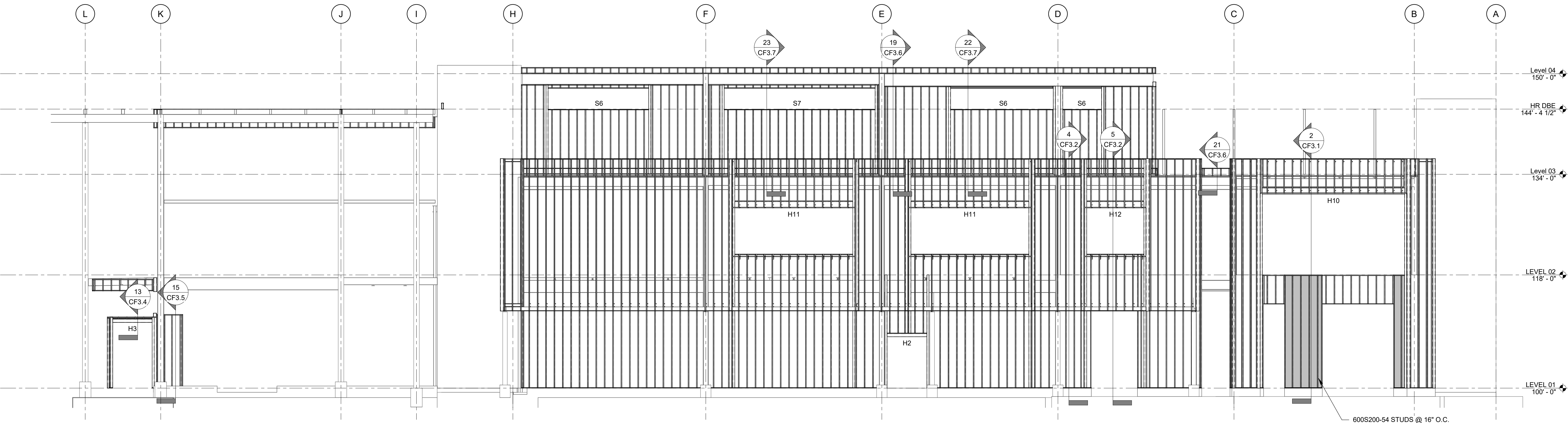
TITLE:
Elevations

FILE NUMBER :
Project #
DRAWING NUMBER :
CF2.0

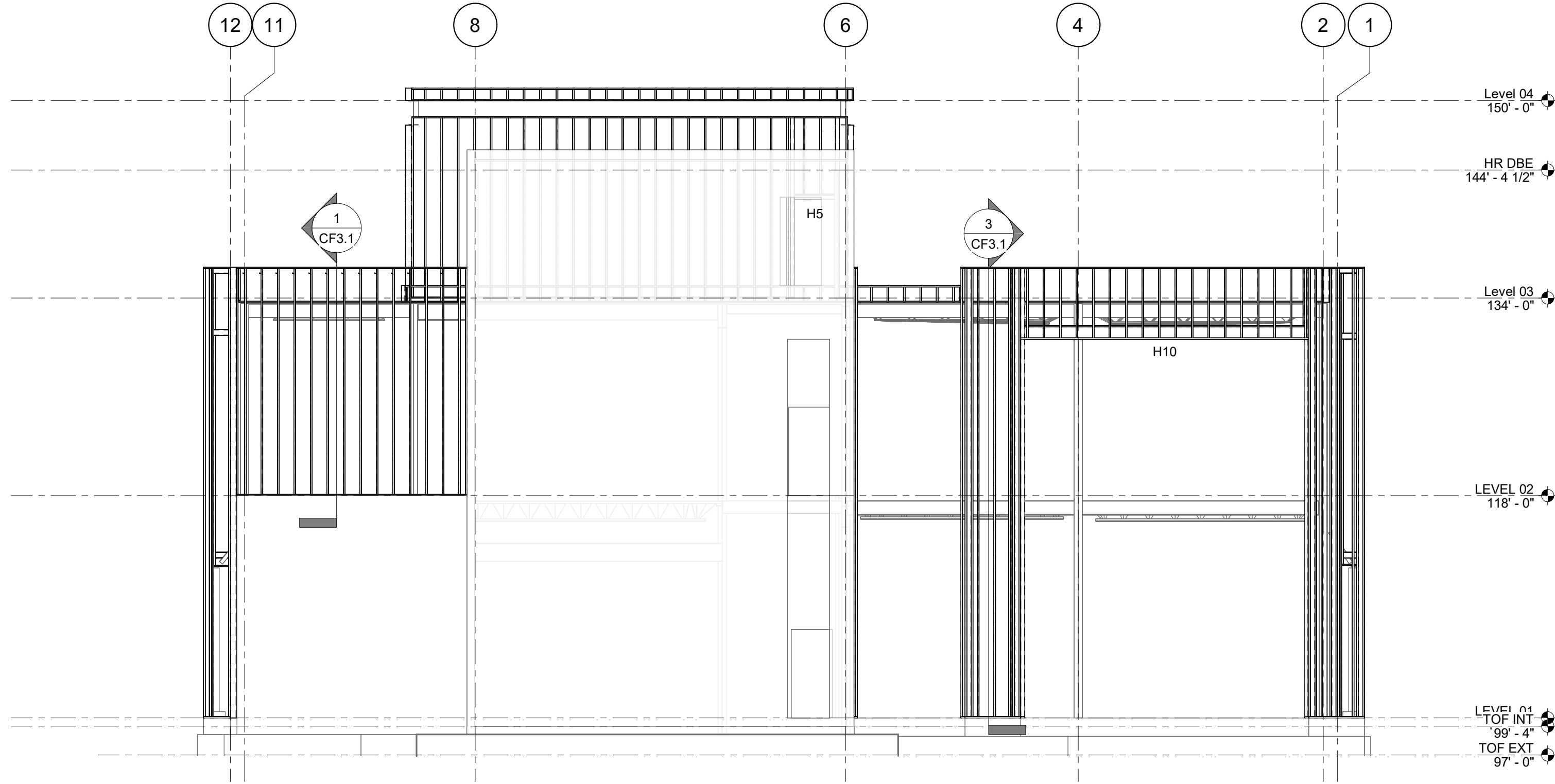
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DRAFTER:
CHECKER:
ENGINEER:



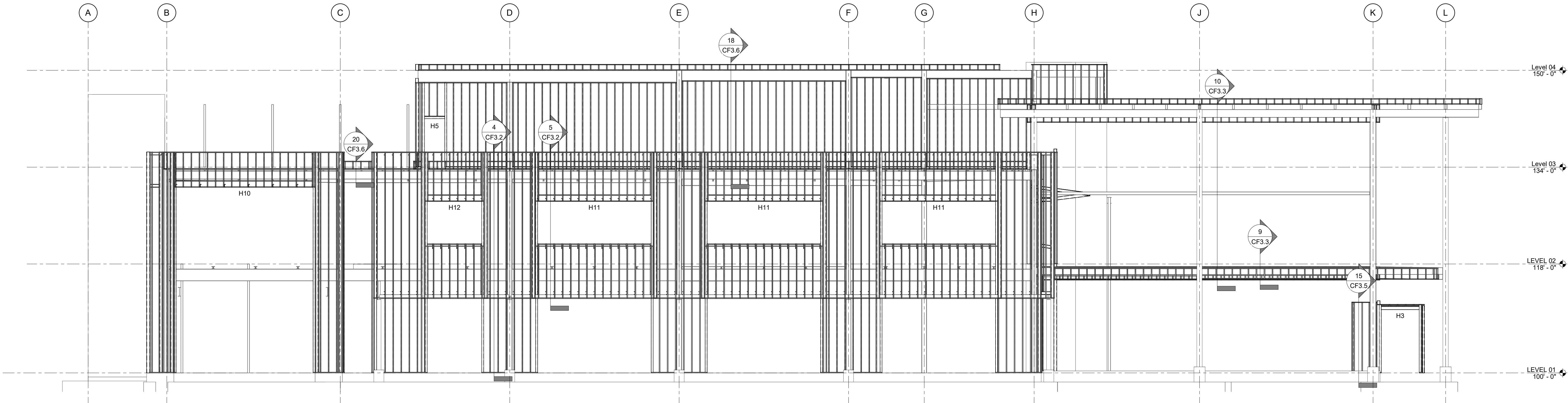
B East Elevation
SCALE: 1/8" = 1'-0"



A North Elevation
SCALE: 1/8" = 1'-0"



D West Elevation
CF2.1/CF1.0 SCALE: 1/8" = 1'-0"



C South Elevation
CF2.1/CF1.0 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq$ 1/2"; FULL THICKNESS STEEL THICKNESS $>$ 1/2": 1/2", U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE $F_y = 33$ KSI
43 MIL (18 GAGE) SHALL BE $F_y = 33$ KSI
54 MIL (16 GAGE) SHALL BE $F_y = 50$ KSI
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118 MIL (10 GAGE) SHALL BE $F_y = 50$ KSI
4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACK) @ 12" O.C. MAX., U.N.O.
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Cold Formed Stud Project

DESCRIPTION:

DATE:

SEAL:

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE:
Elevations

FILE NUMBER :
Project #
DRAWING NUMBER :
CF2.1

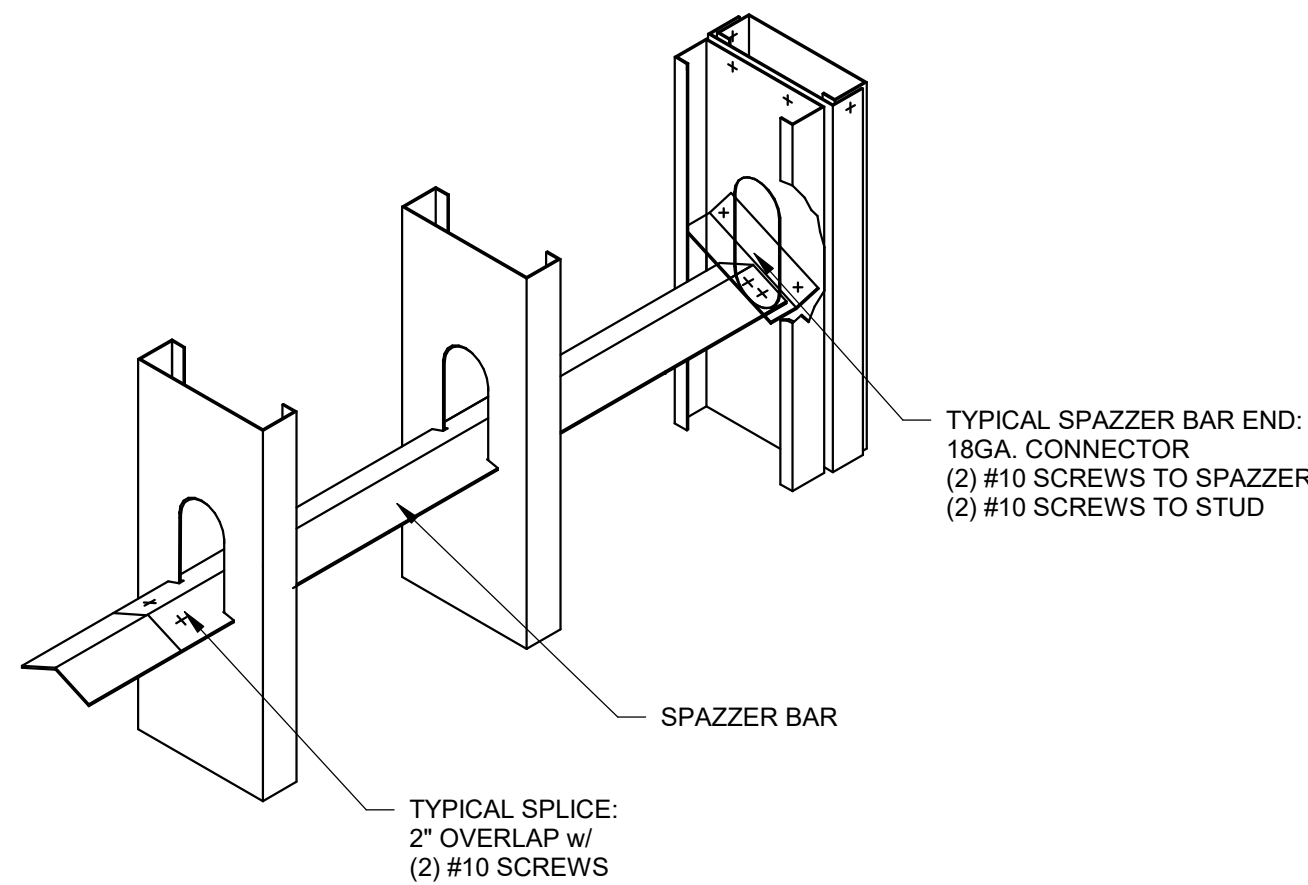
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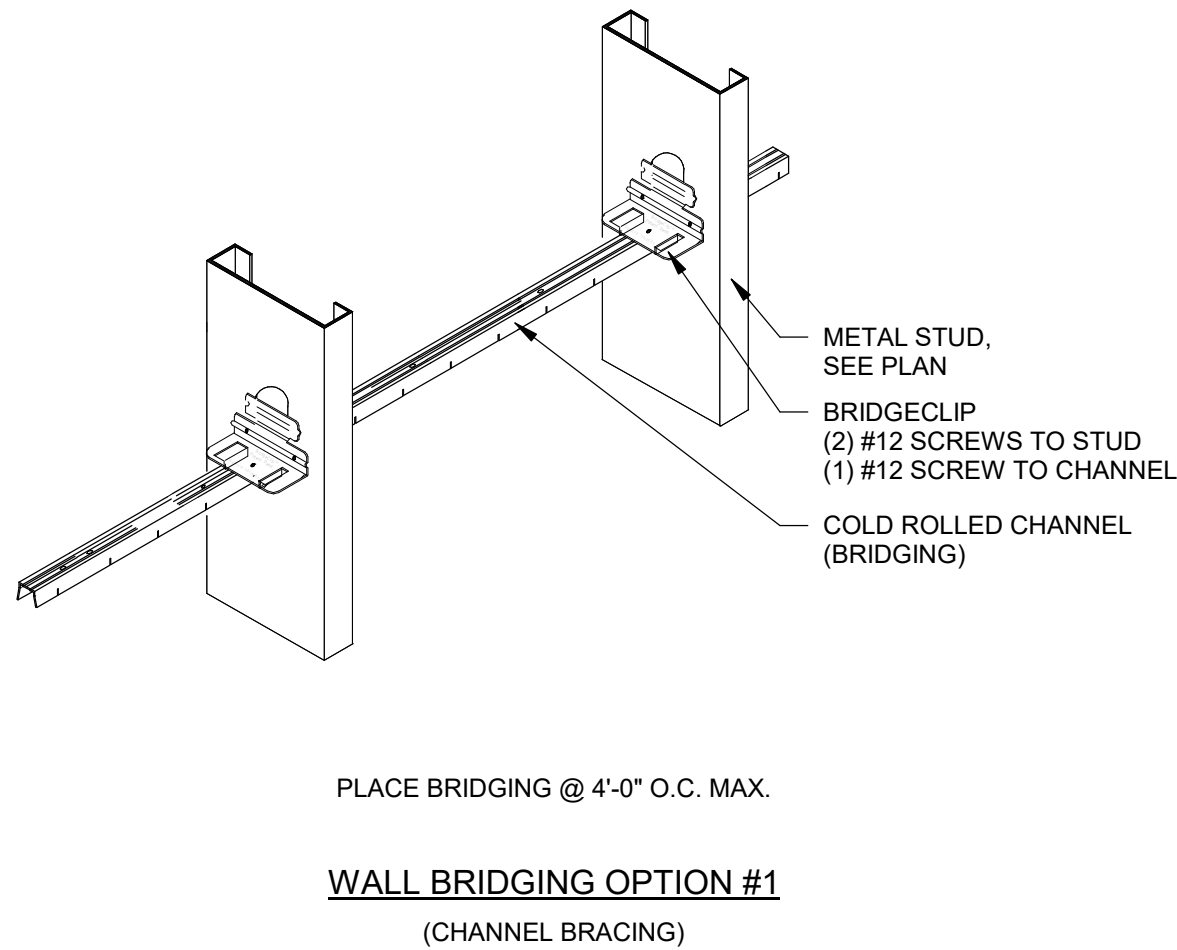
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ENGINEER:

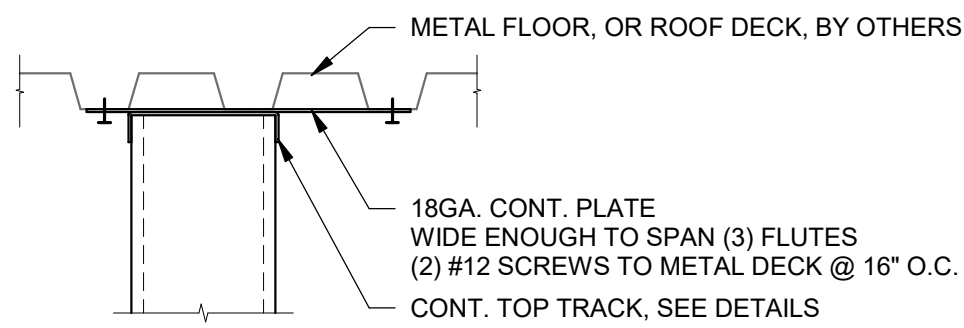
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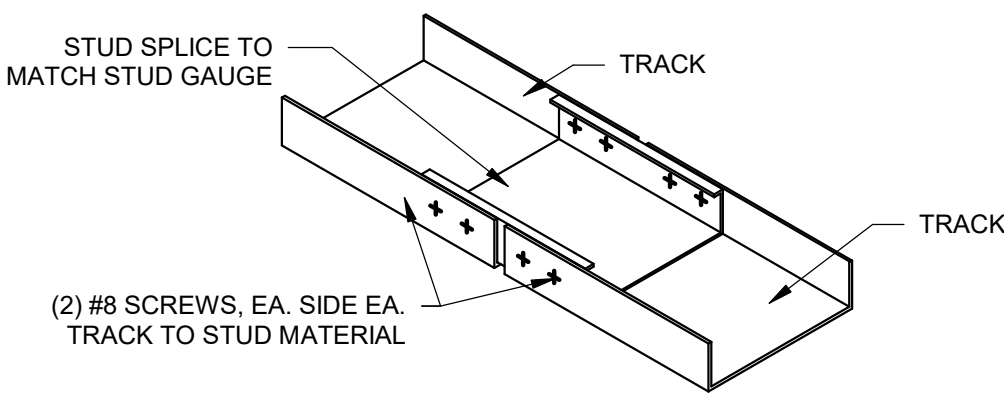
Typical Wall Bridging Detail
SCALE: N.T.S.



WALL BRIDGING OPTION #1
(CHANNEL BRACING)

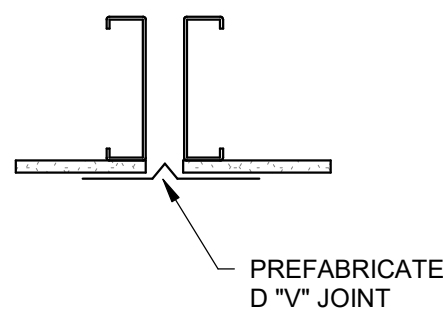


Top Track to Metal Deck w/ Plate
SCALE: N.T.S.

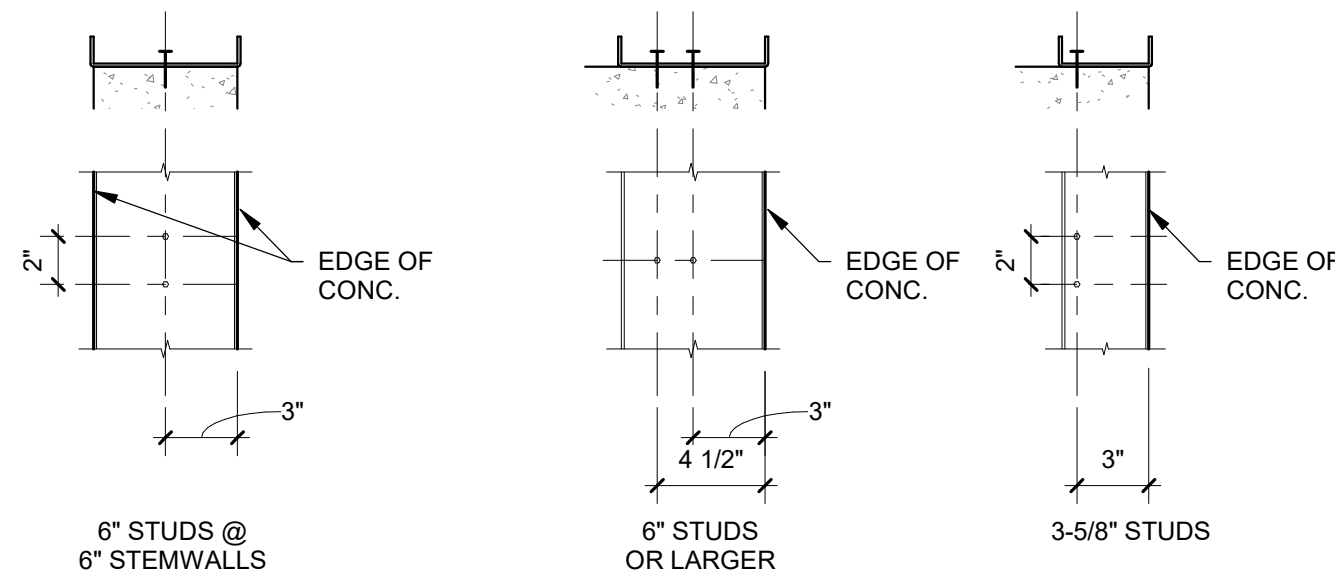


Typical Track Splice Detail
SCALE: N.T.S.

GYPSUM BOARD CONTROL JOINT NOTES (PER ASTM C840)
PROVIDE CONTROL JOINTS AS REQ'D. BELOW:
WALLS: MAX. 30'-0" O.C.
CEILING: MAX. 50'-0" O.C. WITH PERIMETER RELIEF
MAX. 50'-0" O.C. WITHOUT PERIMETER RELIEF
PROVIDE DOUBLE FRAMING MEMBERS @ JOINTS, TYP.

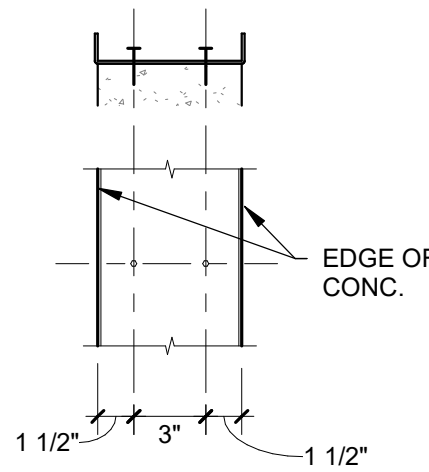


Gypsum Board Control Joint
SCALE: N.T.S.

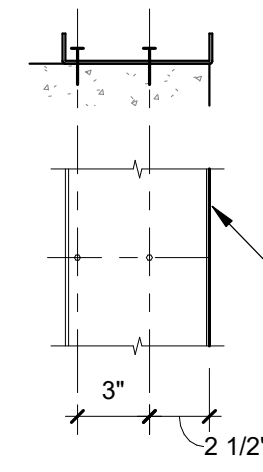


Minimum Edge Distances
SCALE: N.T.S.

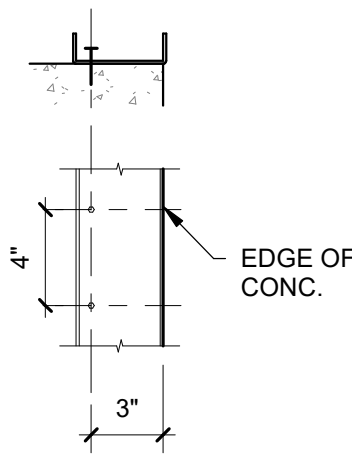
EDGE DISTANCE
MIN.: 1 1/2"
STANDARD: 4"
SPACING
MIN.: 3"
STANDARD: 4"



6" STUDS @
6" STEMWALLS

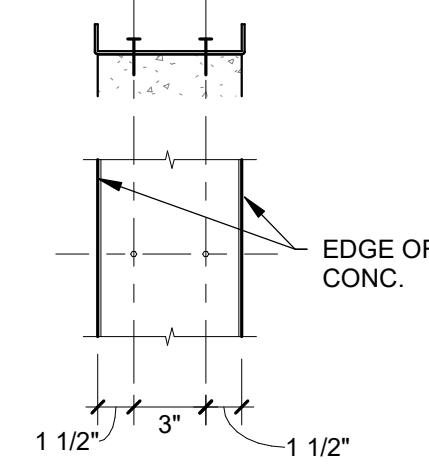


6" STUDS
OR LARGER

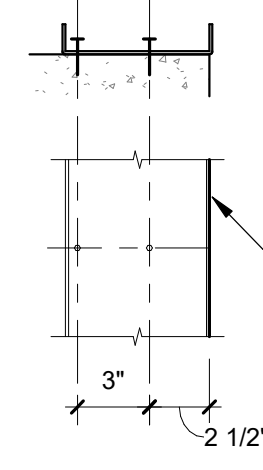


3-5/8" STUDS

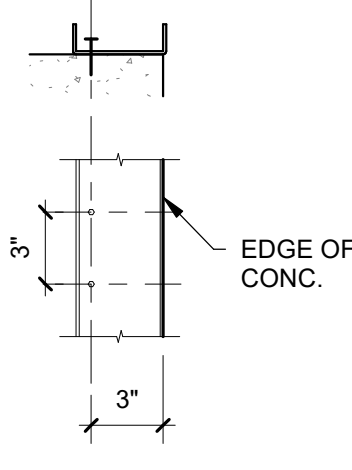
EDGE DISTANCE
MIN.: 1 1/8"
STANDARD: 3"
SPACING
MIN.: 2 1/4"
STANDARD: 3"



6" STUDS @
6" STEMWALLS



6" STUDS
OR LARGER

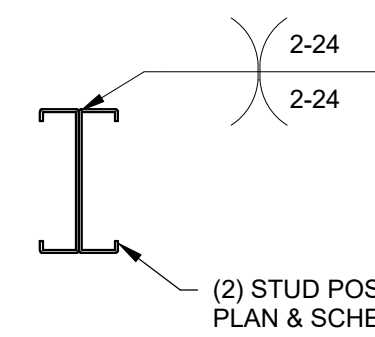


3-5/8" STUDS

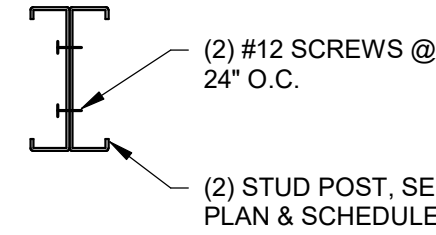
1/4" KWIK CON II+

3/16" KWIK CON II+

Minimum KWIK CON II+ Edge Distances
SCALE: N.T.S.

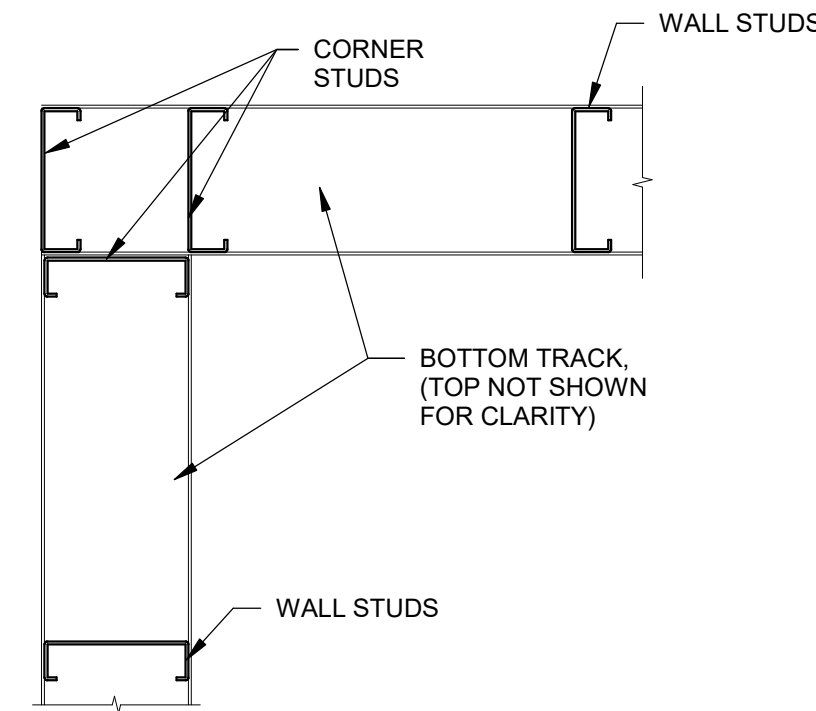


2 STUD
ALL WELDED OPTION

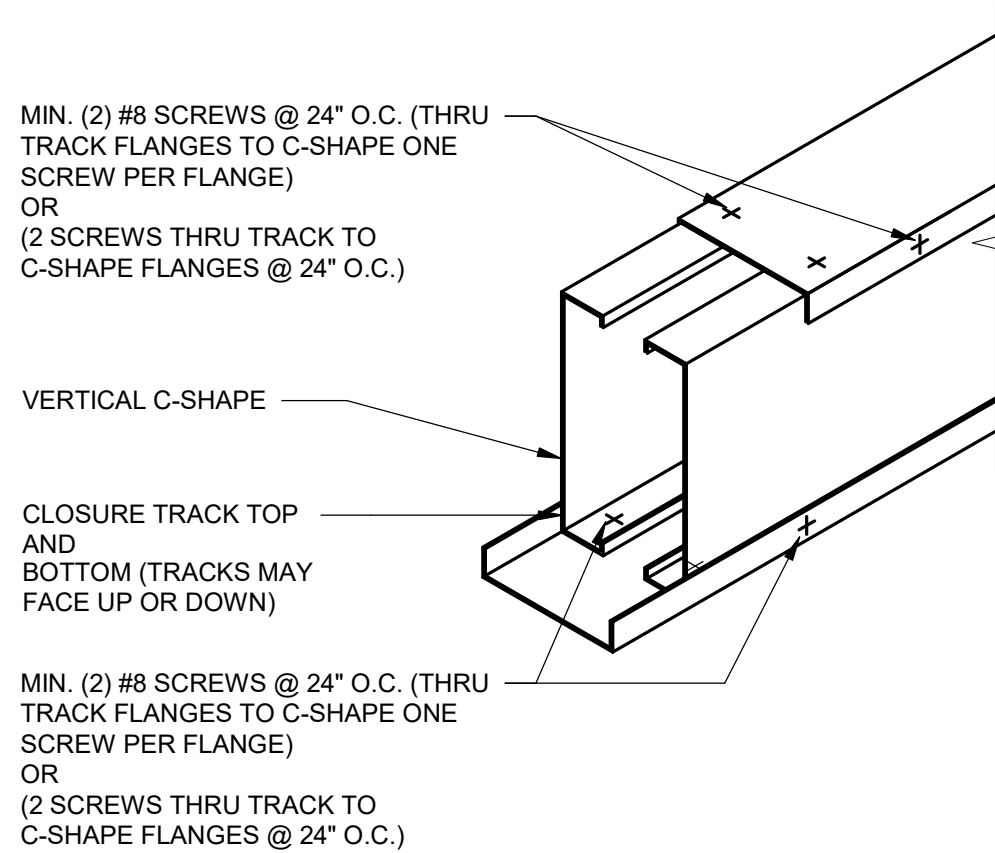


2 STUD
ALL SCREWS OPTION

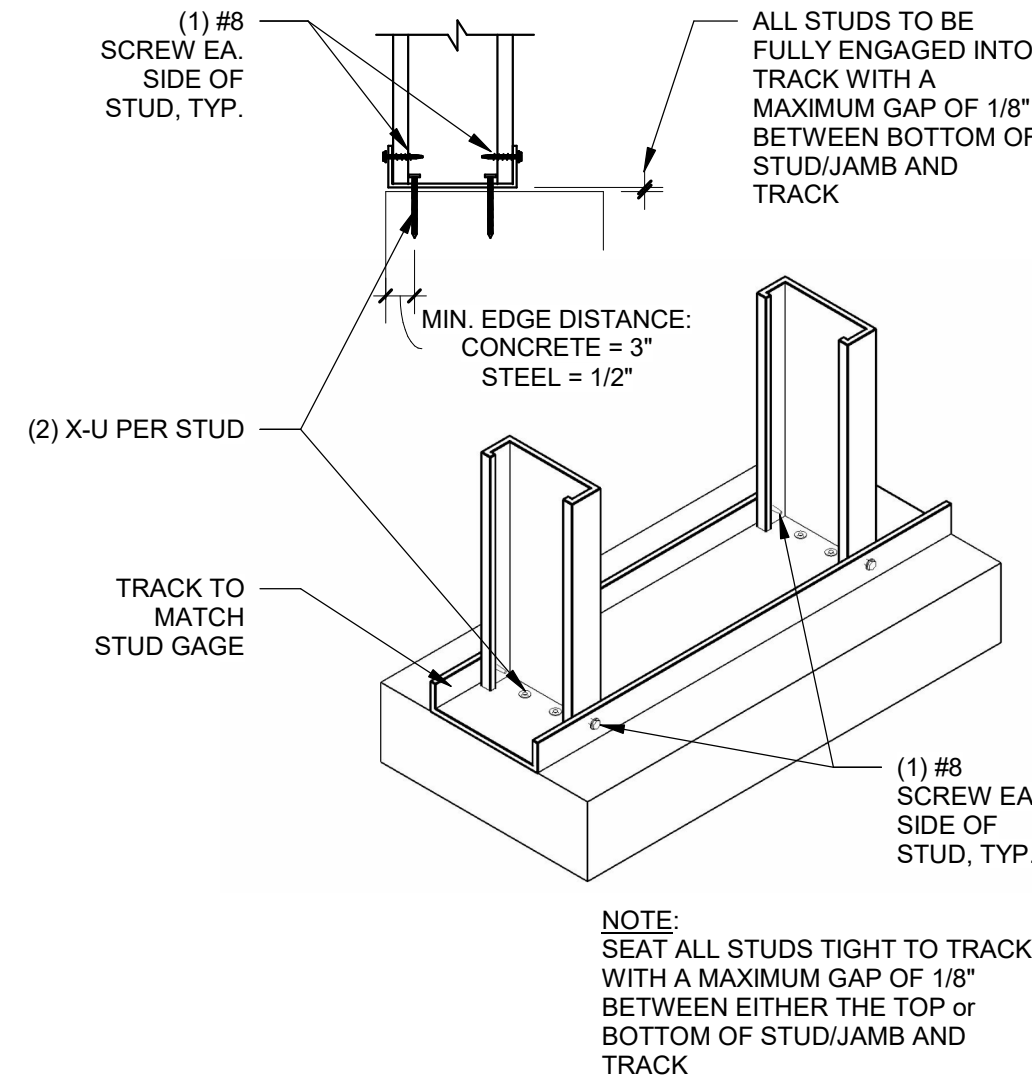
Double Stud Connection Detail
SCALE: N.T.S.



Typical Corner Framing Detail
SCALE: N.T.S.



Typical Header Assembly
SCALE: N.T.S.



Typical Stud to Track Connection Detail
SCALE: N.T.S.

GENERAL SHEET NOTES:

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- TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

Cold Formed Stud Project

DESCRIPTION:

DATE:

SEAL:

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE: Typical Details

FILE NUMBER :
Project #
DRAWING NUMBER :
CF3.0

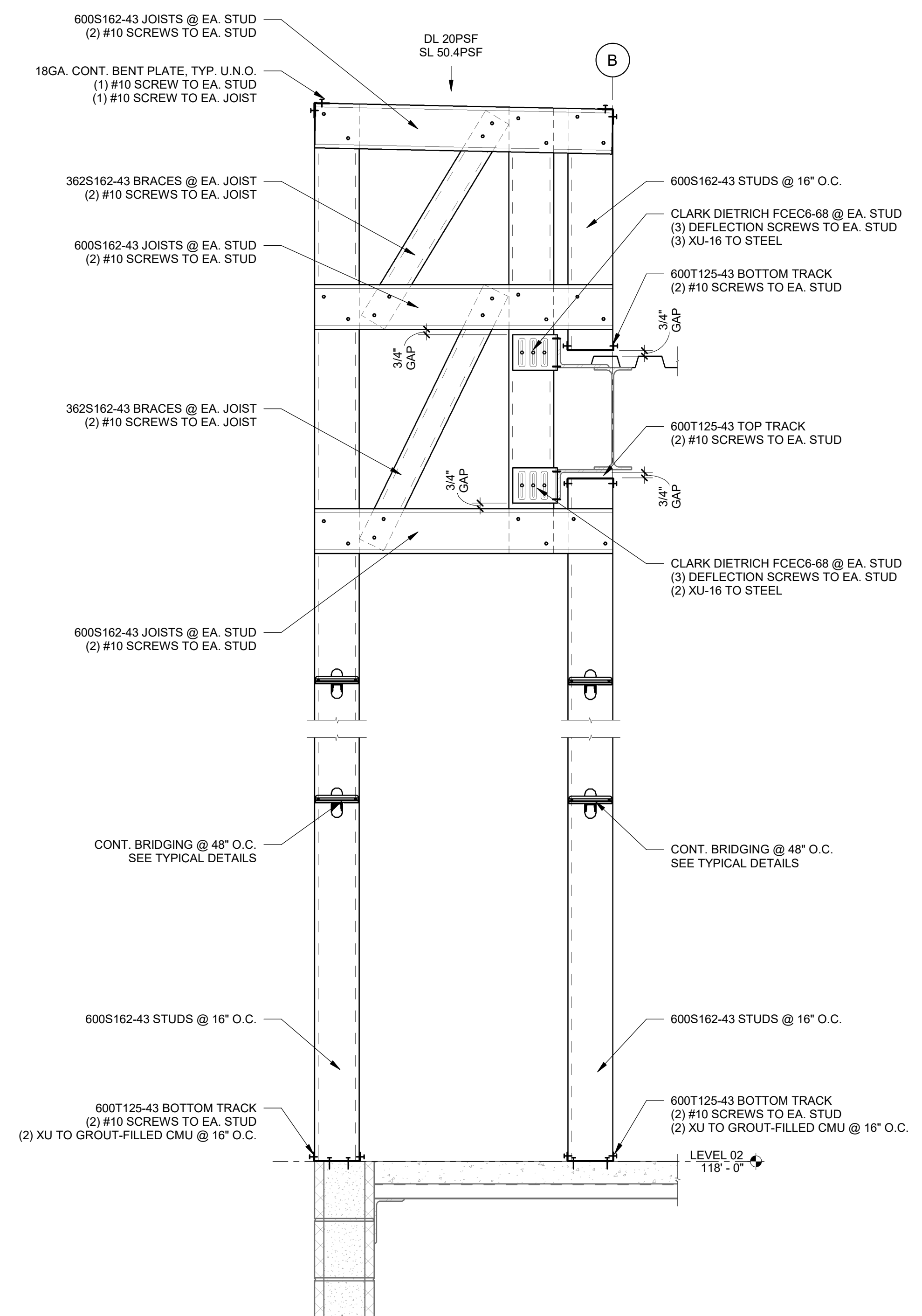
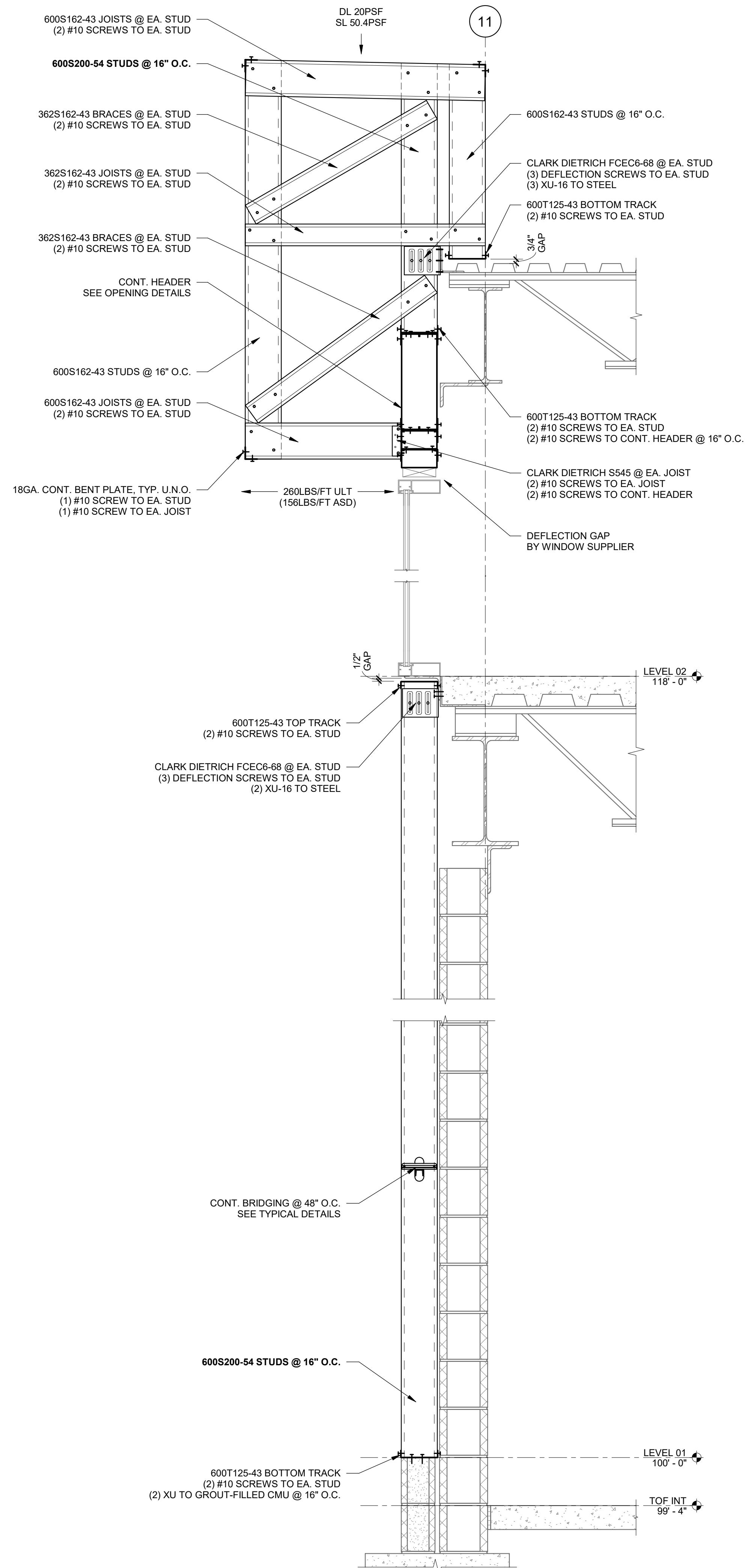
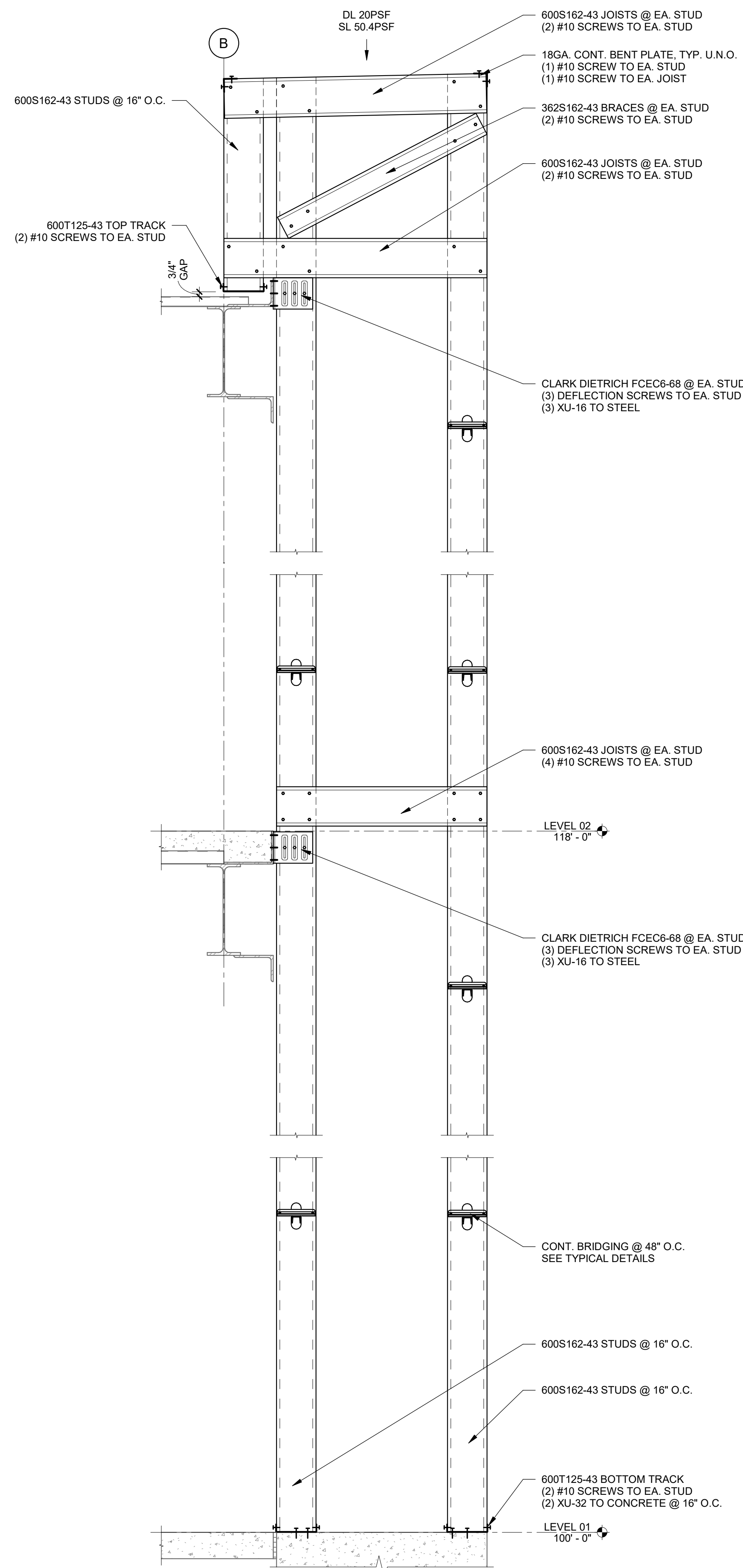
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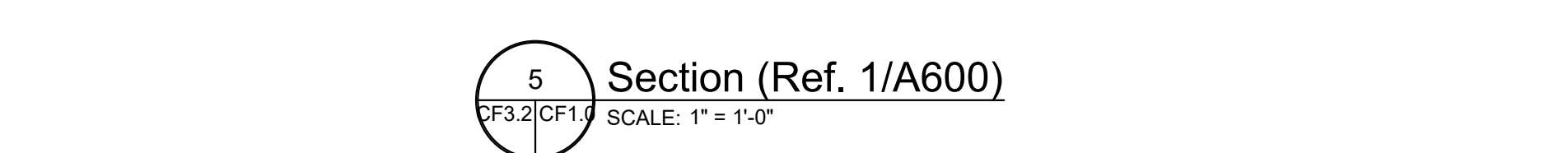
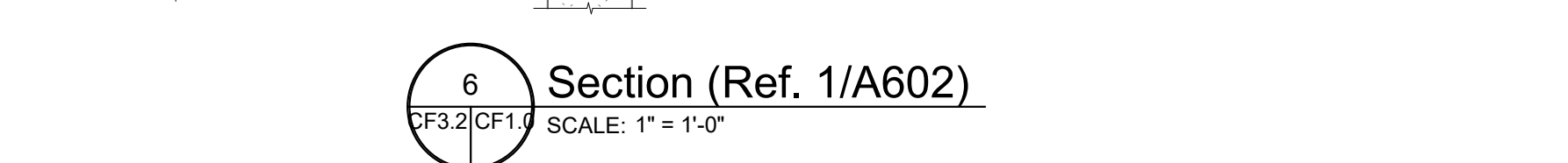
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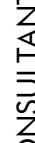
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- GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq 1/2"$; FULL THICKNESS STEEL THICKNESS $> 1/2"$; 1/2", U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENT
33 MIL (20 GAGE) SHALL BE $F_y = 33KSI$
43 MIL (18 GAGE) SHALL BE $F_y = 33KSI$
54 MIL (16 GAGE) SHALL BE $F_y = 50KSI$
68 MIL (14 GAGE) SHALL BE $F_y = 50KSI$
97 MIL (12 GAGE) SHALL BE $F_y = 50KSI$
118 MIL (10 GAGE) SHALL BE $F_y = 50KSI$
4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACK) @ 12" O.C. MAX., U.N.O.
5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.



- 
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DESCRIPTION:

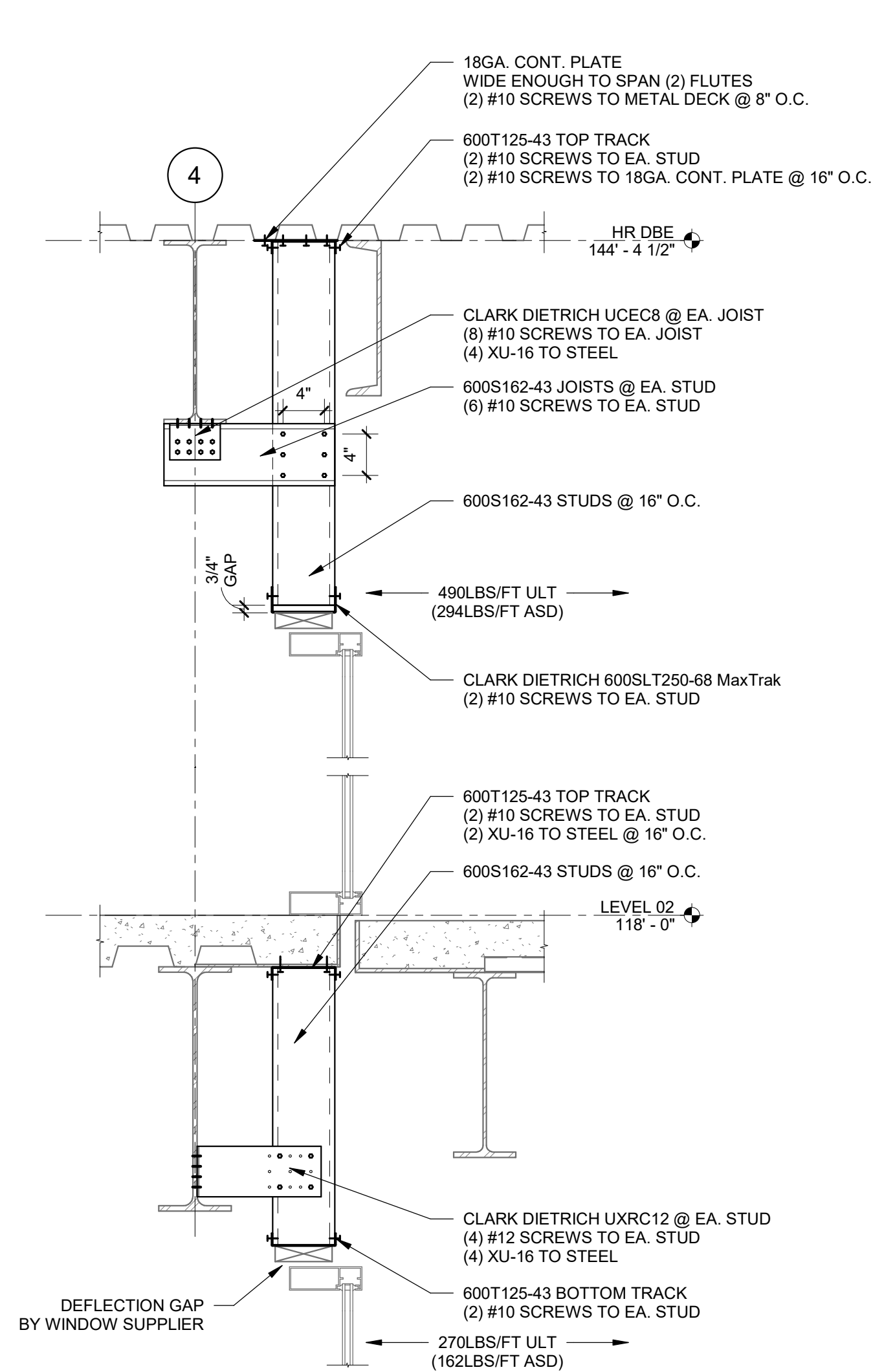
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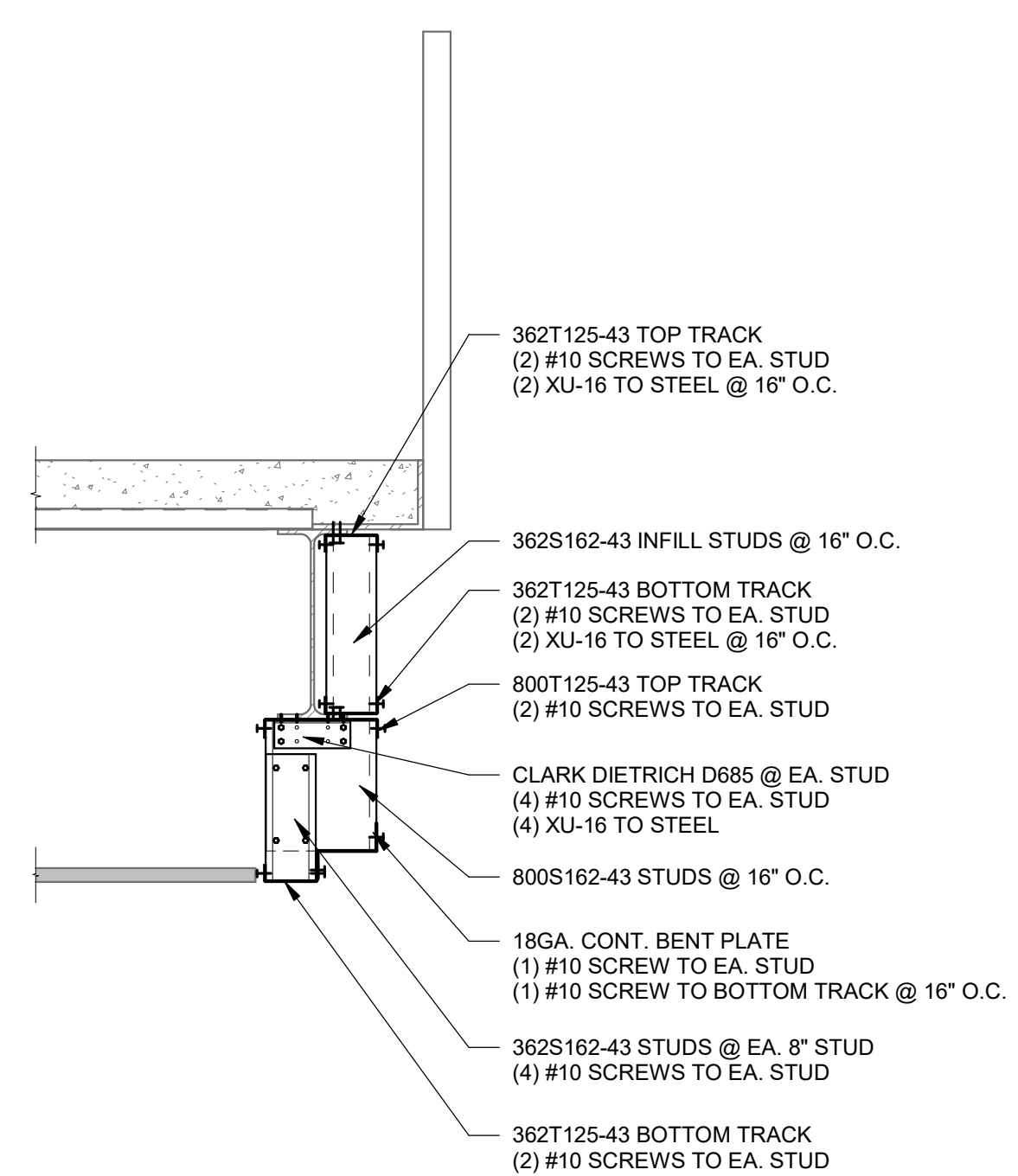
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Sections

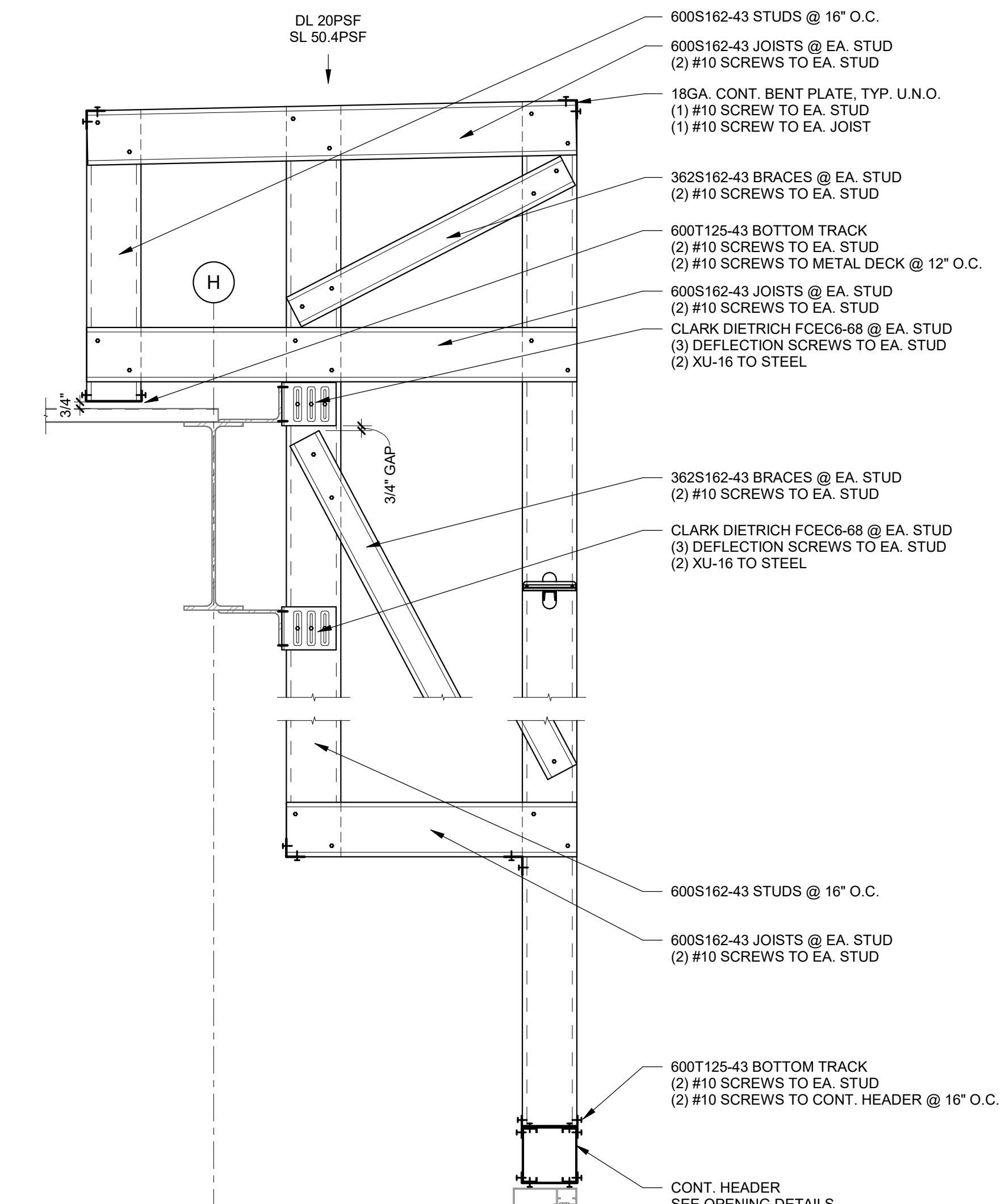
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Project #
DRAWING NUMBER :
CF3.2



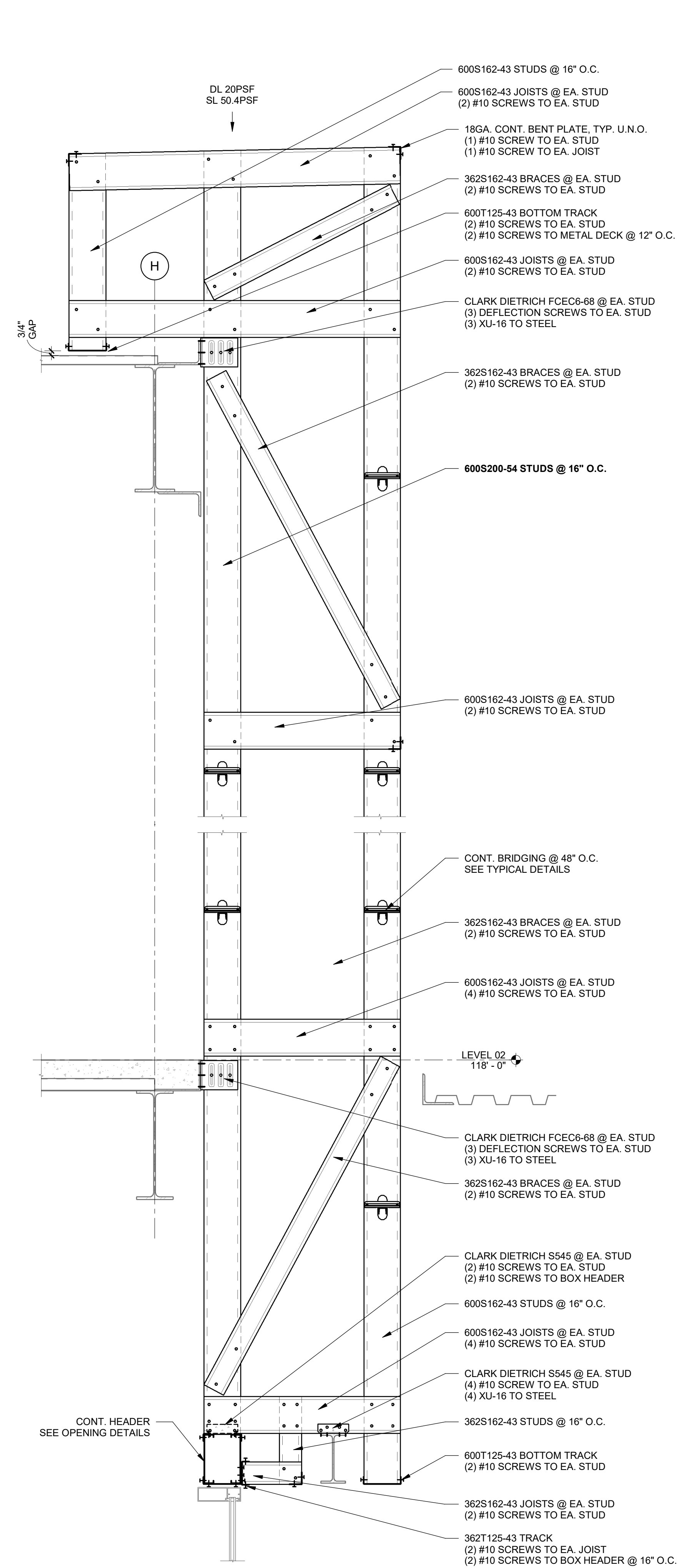
10 Section (Ref. 2/A613)
CF3.3(CF1) SCALE: 1" = 1'-0"



9 Section (Ref. 1/A613)
CF3.3(CF1) SCALE: 1" = 1'-0"



8 Section (Ref. 3/A602)
CF3.3(CF1) SCALE: 1" = 1'-0"



7 Section @ Window (Ref. 2/A602)
CF3.3(CF1) SCALE: 1" = 1'-0"

- GENERAL SHEET NOTES:
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 - HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS ≤ 1/2"; FULL THICKNESS STEEL THICKNESS > 1/2": 1/2", U.N.O.
 - COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE Fy = 33KSI
43 MIL (18 GAGE) SHALL BE Fy = 33KSI
54 MIL (16 GAGE) SHALL BE Fy = 50KSI
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97 MIL (12 GAGE) SHALL BE Fy = 50KSI
118 MIL (10 GAGE) SHALL BE Fy = 50KSI
 - FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACK) @ 12" O.C. MAX., U.N.O.
 - HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPICED, PROVIDE CONTINUOUS
 - DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
 - TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

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TITLE:
Sections

FILE NUMBER:
Project #

DRAWING NUMBER:
CF3.3

DATE PLOTTED: 8/19/2026 10:55:38 AM

DRAFTER:

CHECKER:

ENGINEER:

DESCRIPTION:

DATE:

SEAL:

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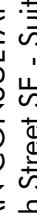
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- GENERAL SHEET NOTES:

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1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT:
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STEEL THICKNESS $> 1/2$ "; $1/2$ ", U.N.O.
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33 MIL (18 GAGE) SHALL BE Fy = 33KSI
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54 MIL (16 GAGE) SHALL BE Fy = 50KSI
68 MIL (14 GAGE) SHALL BE Fy = 50KSI
97 MIL (12 GAGE) SHALL BE Fy = 50KSI
118 MIL (10 GAGE) SHALL BE Fy = 50KSI
4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NO DEFLECTION TRACK) @ 12" O.C. MAX., U.N.O.
5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER W/ (2) #8 SCREWS @ 24" O.C.
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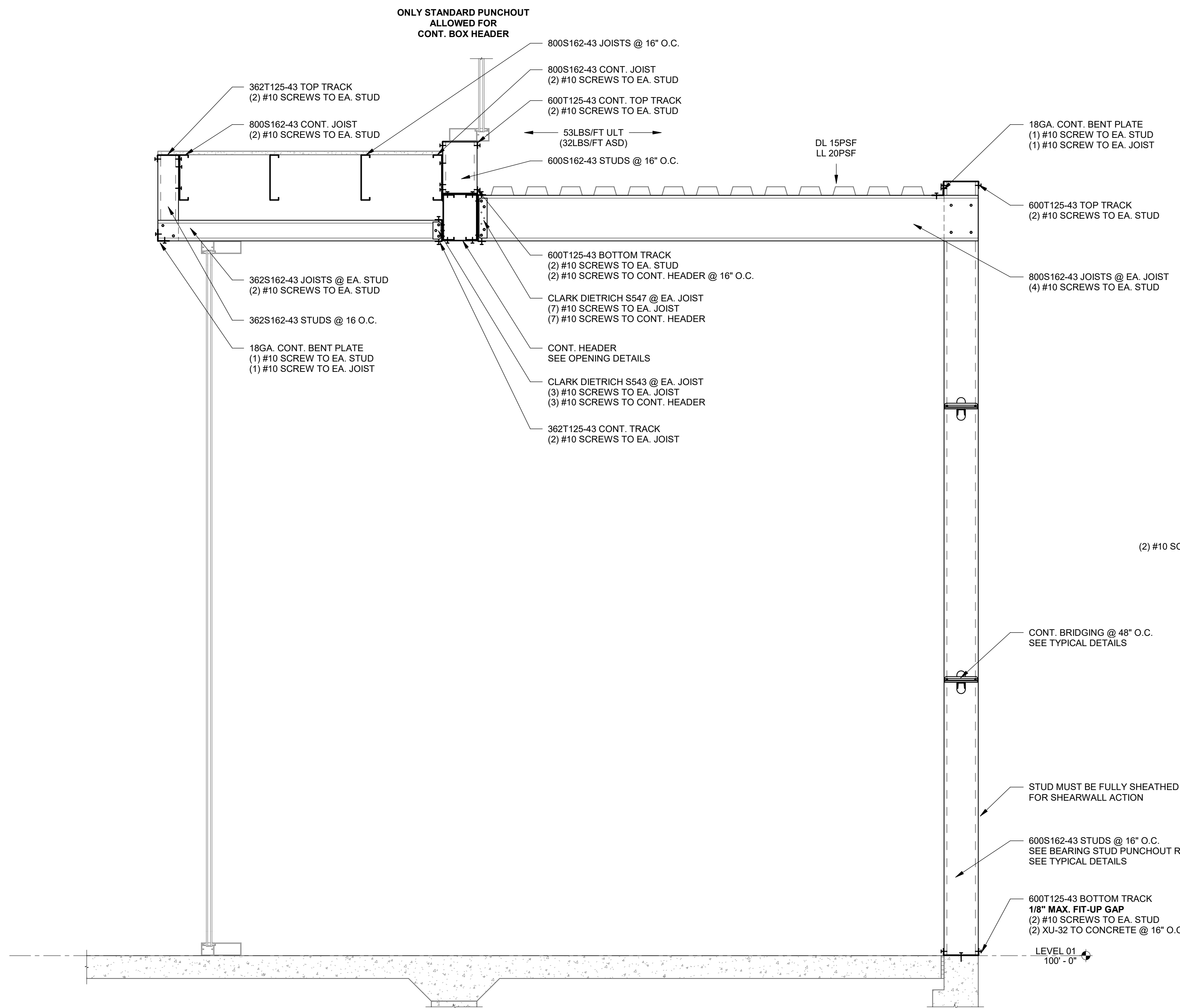
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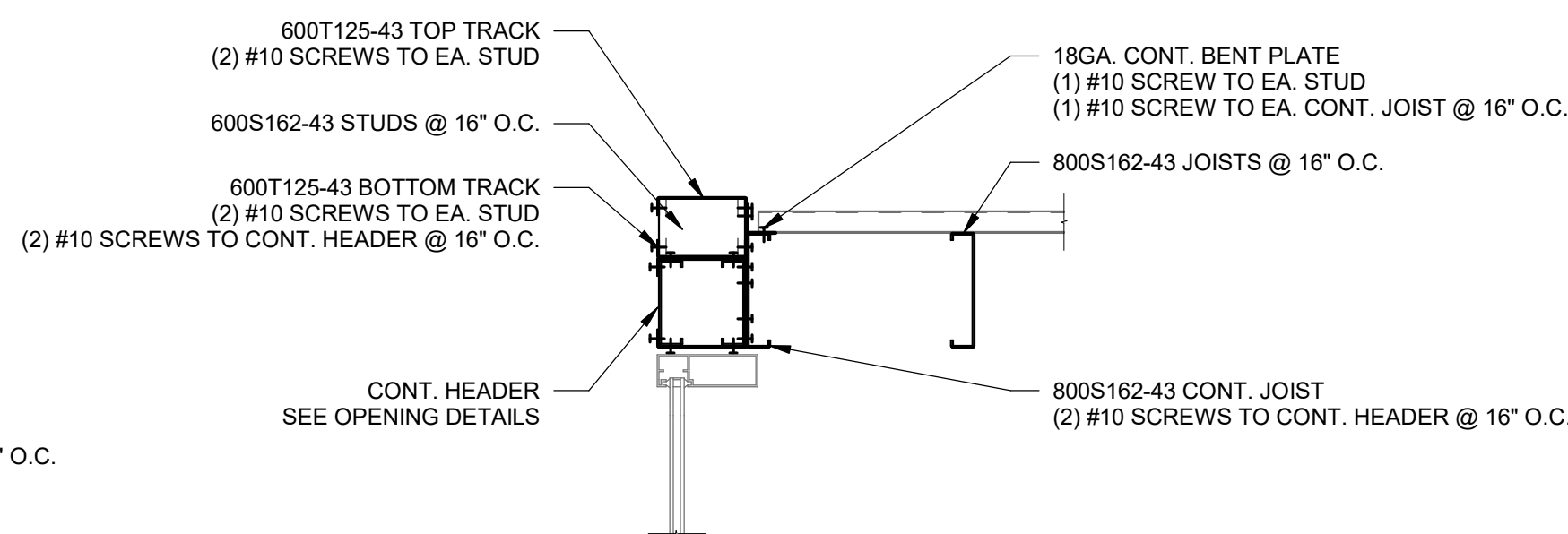
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Project #
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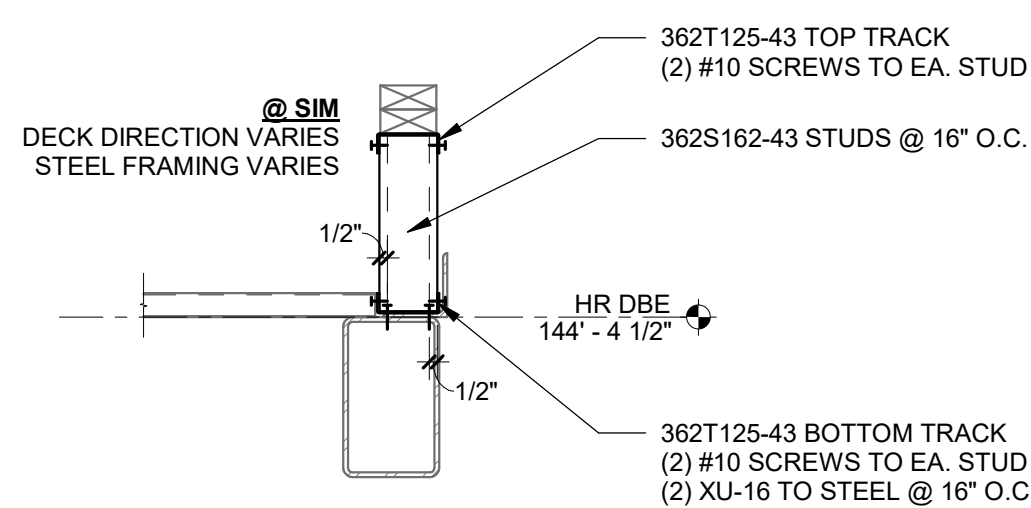
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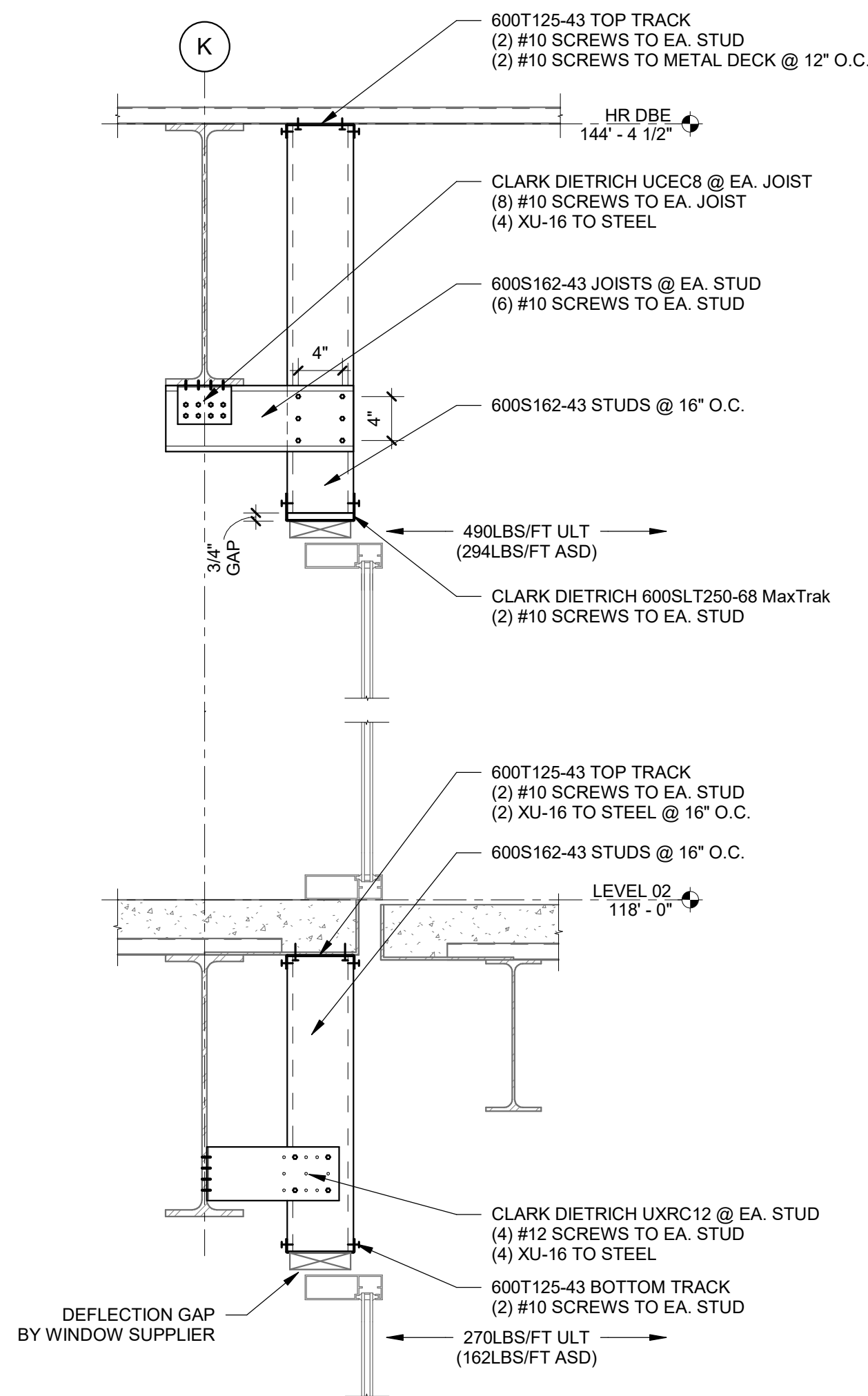
14 Section (Ref. 2/A603)
CF3.4|CF1.0 SCALE: 1" = 1'-0"



13 Section (Ref. 3/A612)
CF3.4/CF1.0 SCALE: 1" = 1'-0"



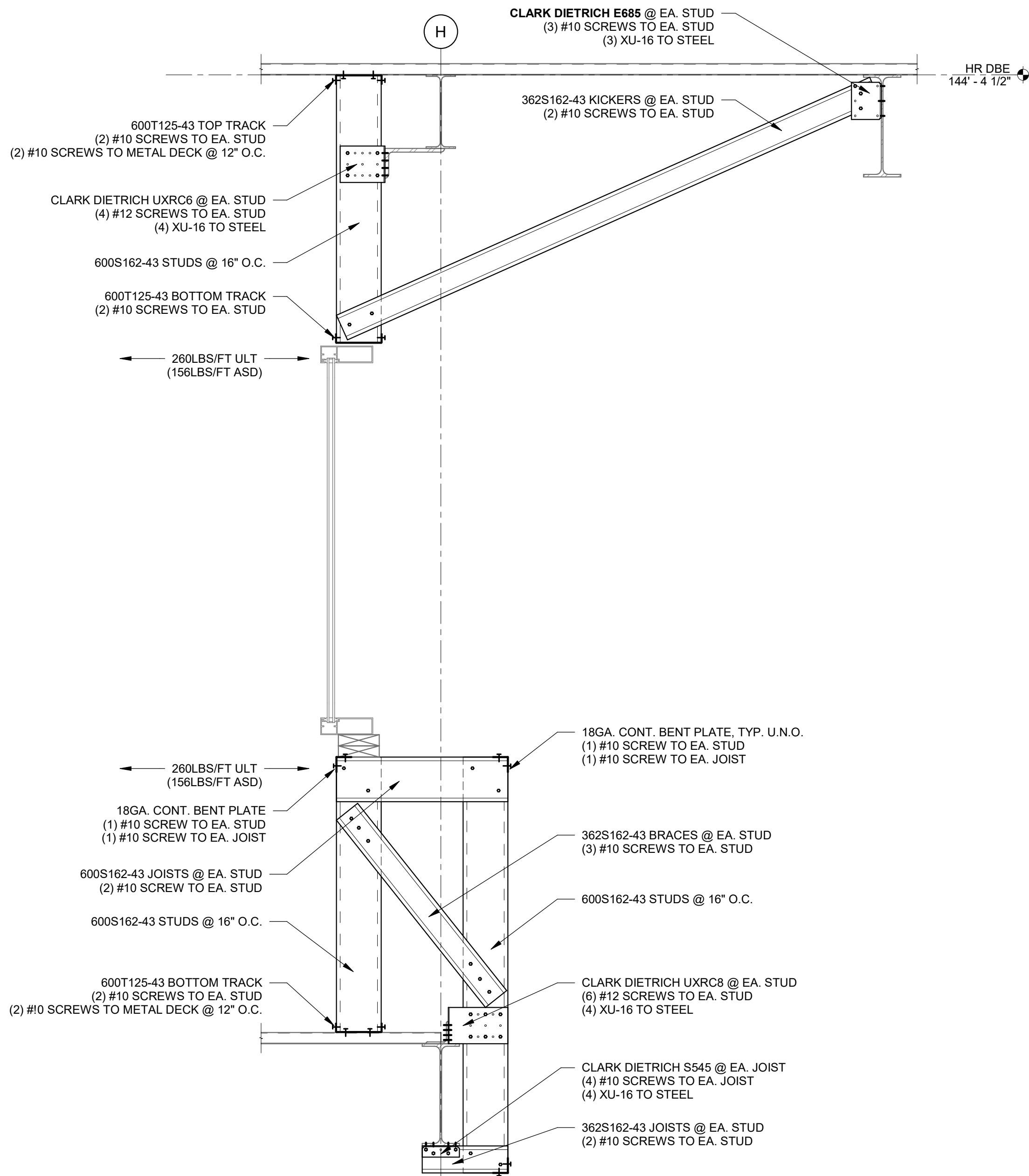
12 Section (Ref. 4/A613)
CF3.4|CF1.3 SCALE: 1" = 1'-0"



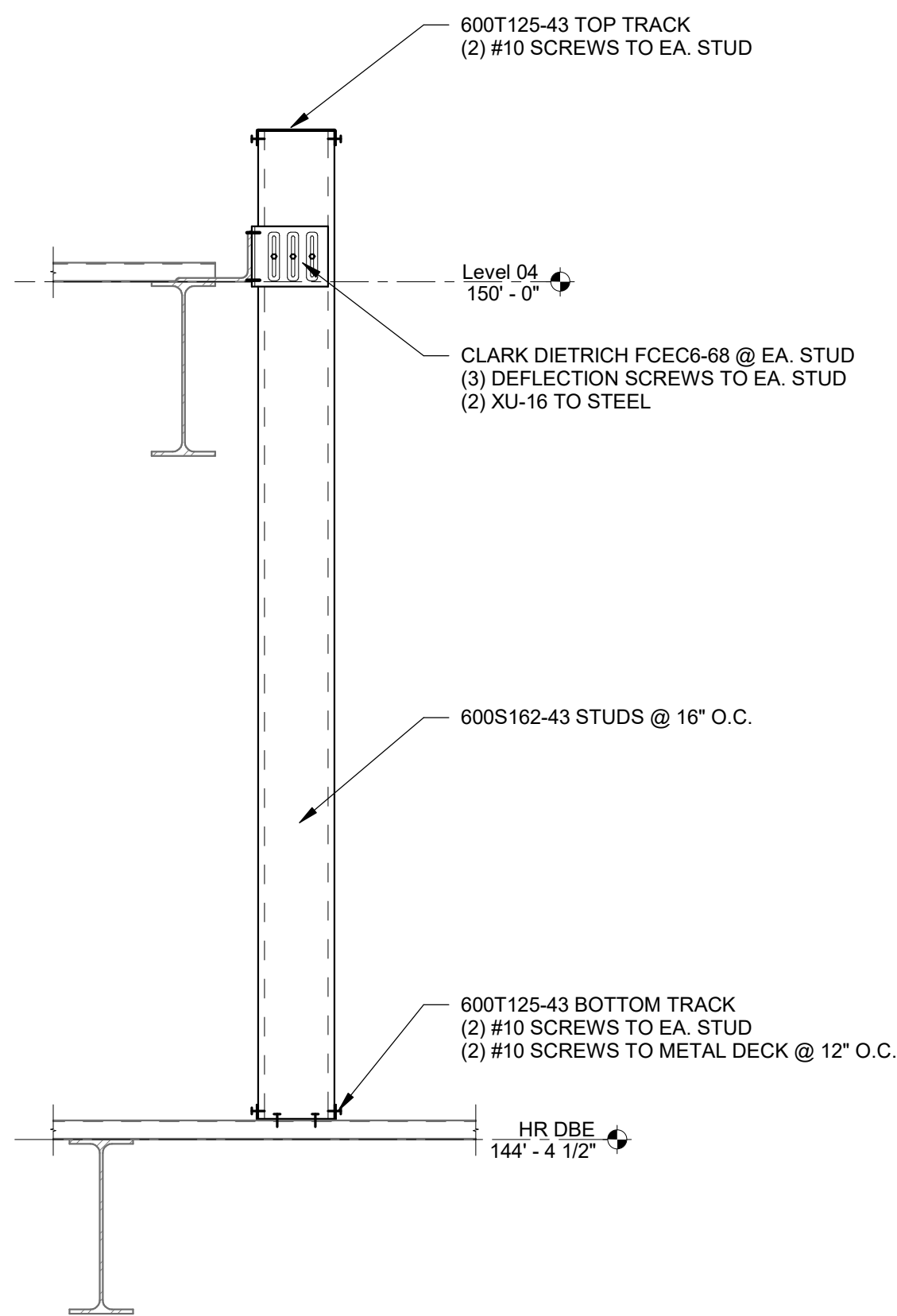
11 Section (Ref. 5/A613)
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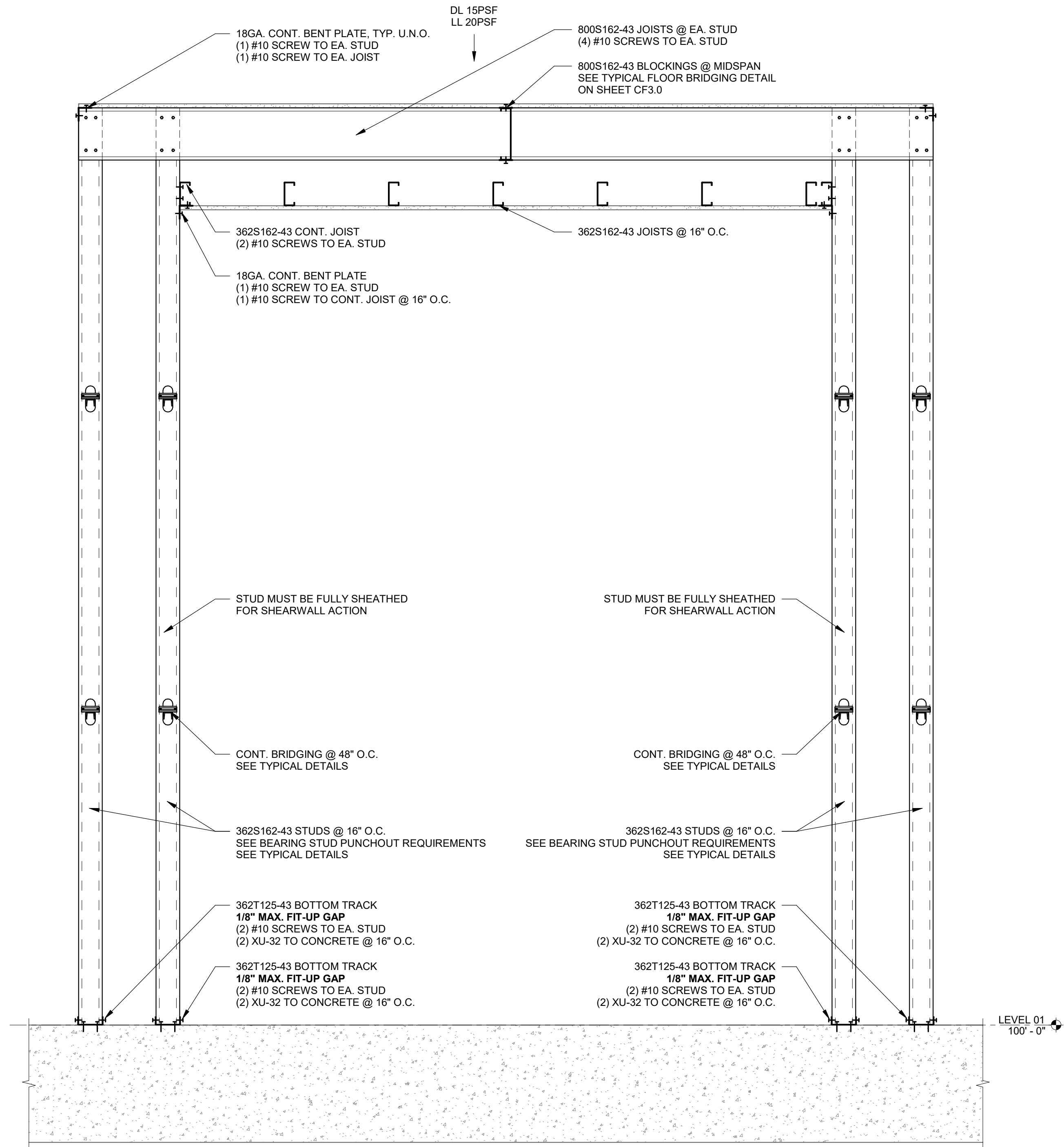
- HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
- HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq$ 1/2"; FULL THICKNESS STEEL THICKNESS $>$ 1/2": 1/2", U.N.O.
- COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE $F_y = 33$ KSI
43 MIL (18 GAGE) SHALL BE $F_y = 33$ KSI
54 MIL (16 GAGE) SHALL BE $F_y = 50$ KSI
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- TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.



17 Section (Ref. 2/A605)
CF3.5/CF1.2 SCALE: 1" = 1'-0"



16 Section (Ref. 3/A605)
CF3.5/CF1.2 SCALE: 1" = 1'-0"



15 Section @ Interior Entry Vestibule
CF3.5/CF1.2 SCALE: 1" = 1'-0"

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DATE:

SEAL:

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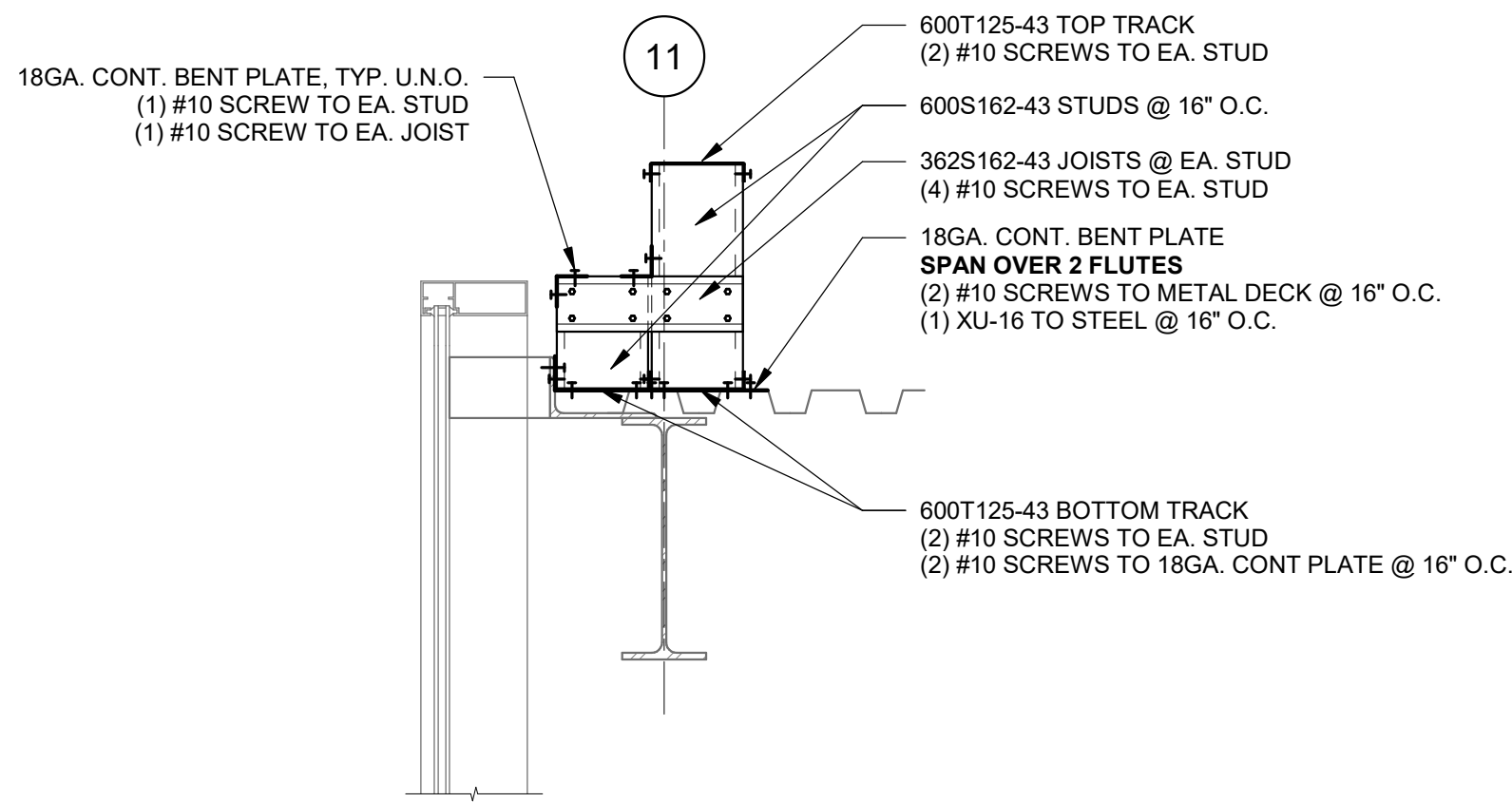
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FILE NUMBER :
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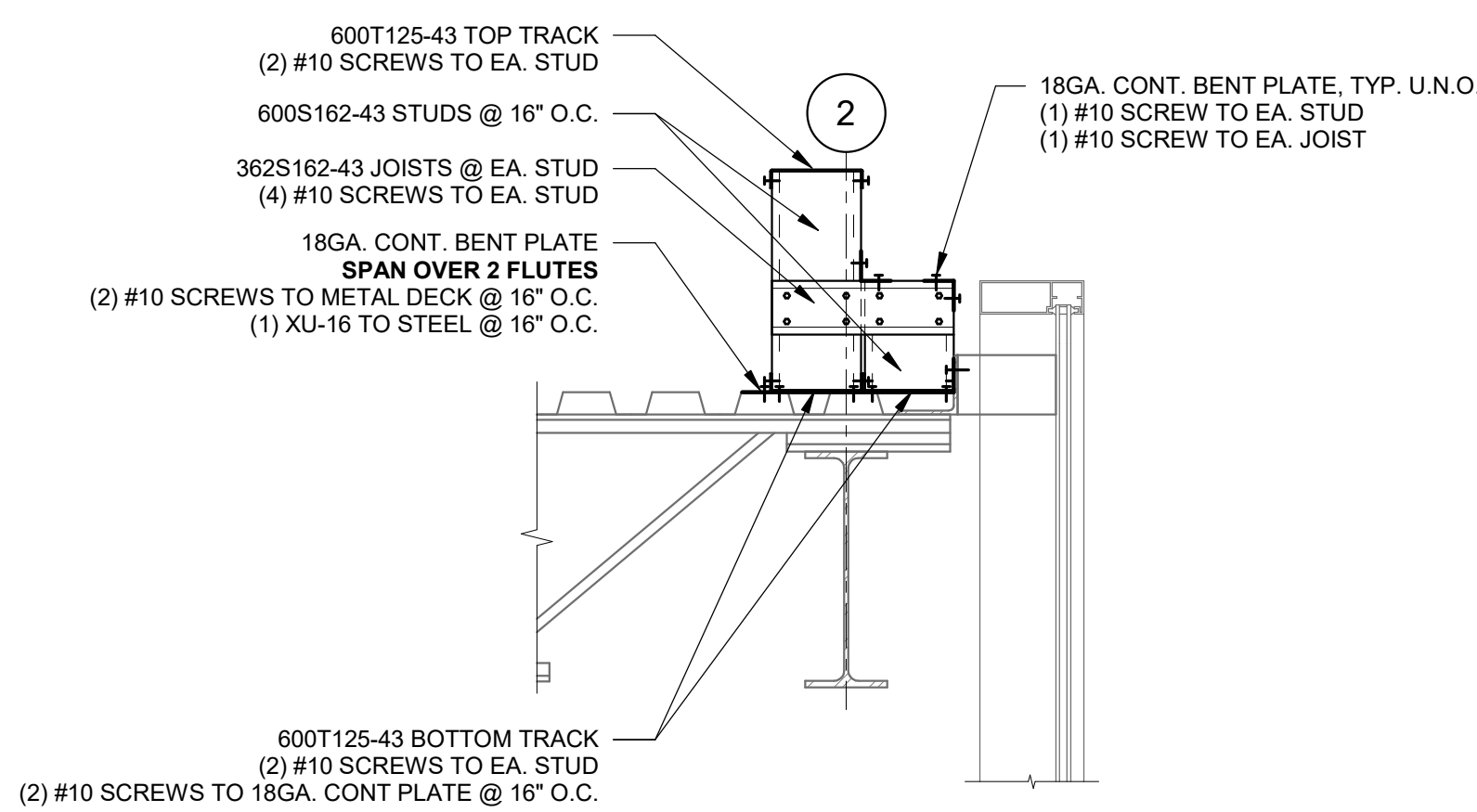
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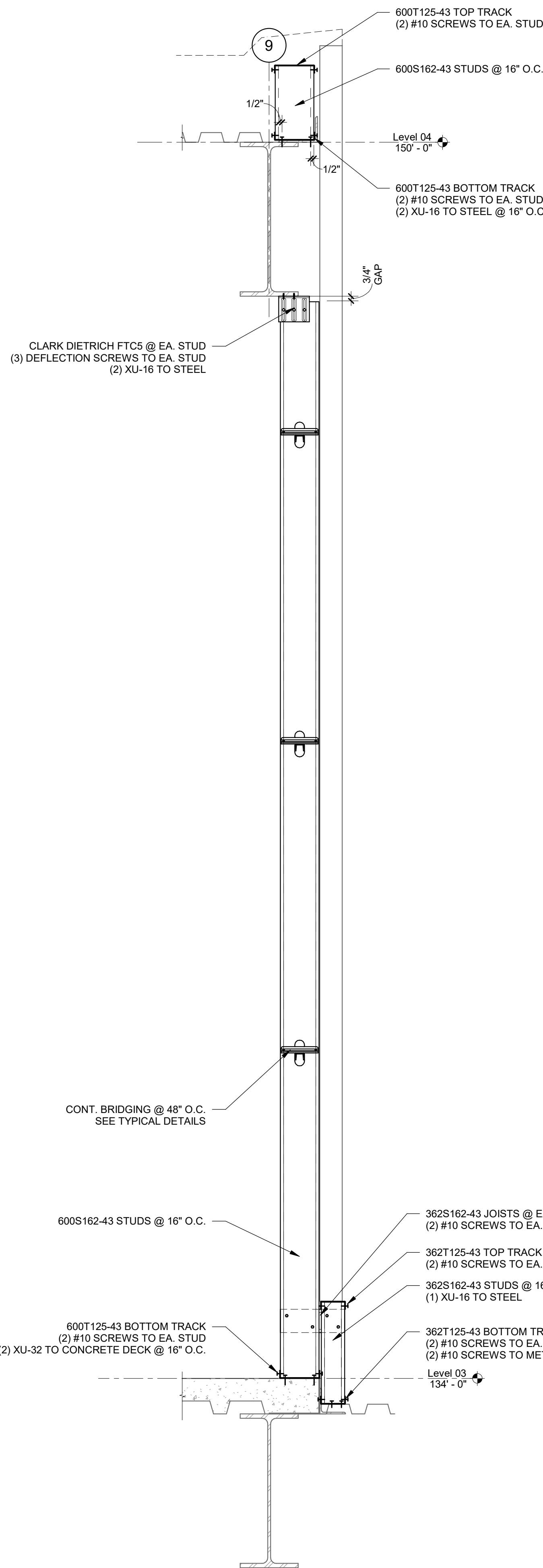
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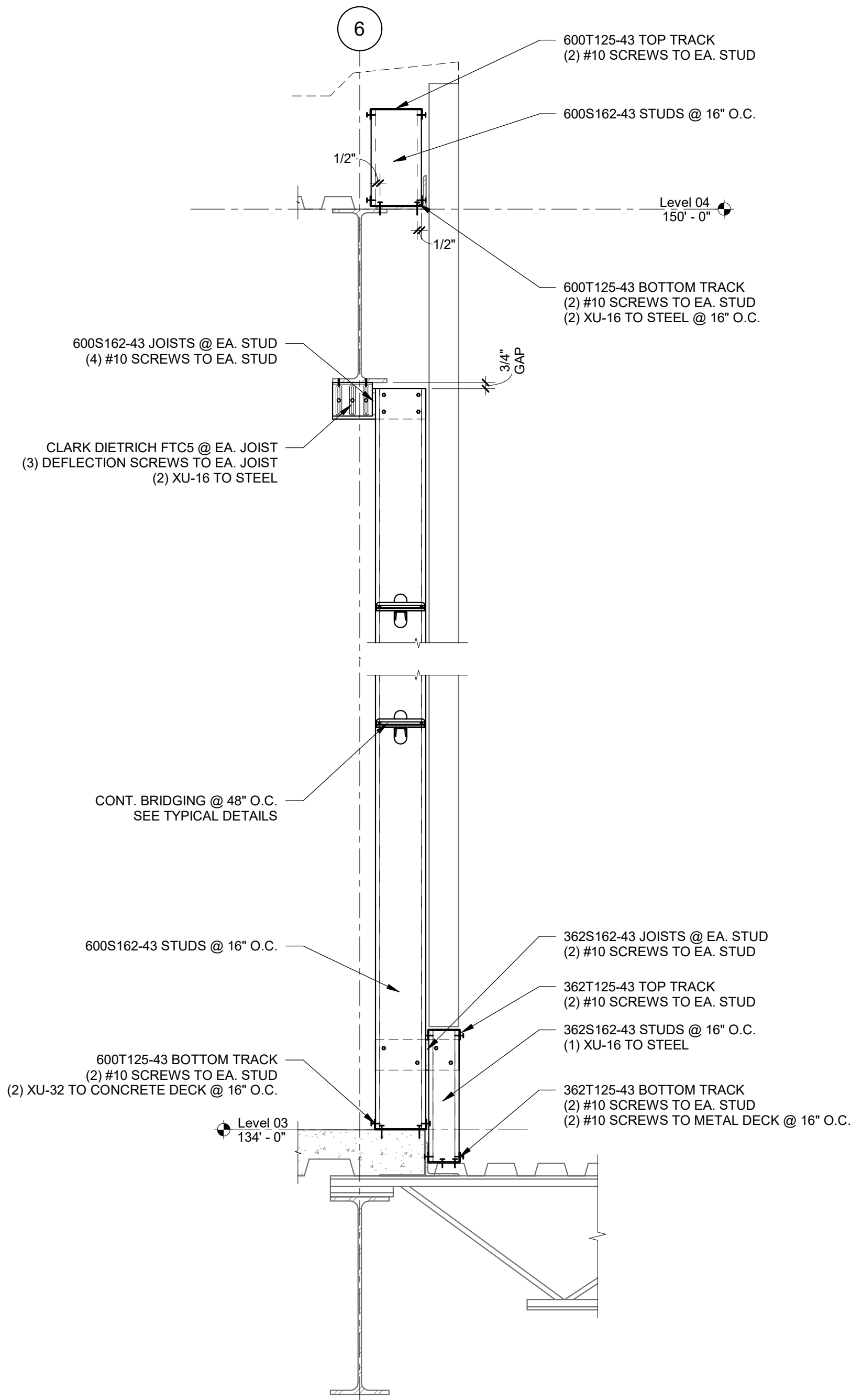
21 Section (Ref. 2/A604)
CF3.6/CF1.2 SCALE: 1" = 1'-0"



20 Section (Ref. 1/A604)
CF3.6/CF1.2 SCALE: 1" = 1'-0"



19 Section (Ref. 2/A615)
CF3.6/CF1.2 SCALE: 1" = 1'-0"



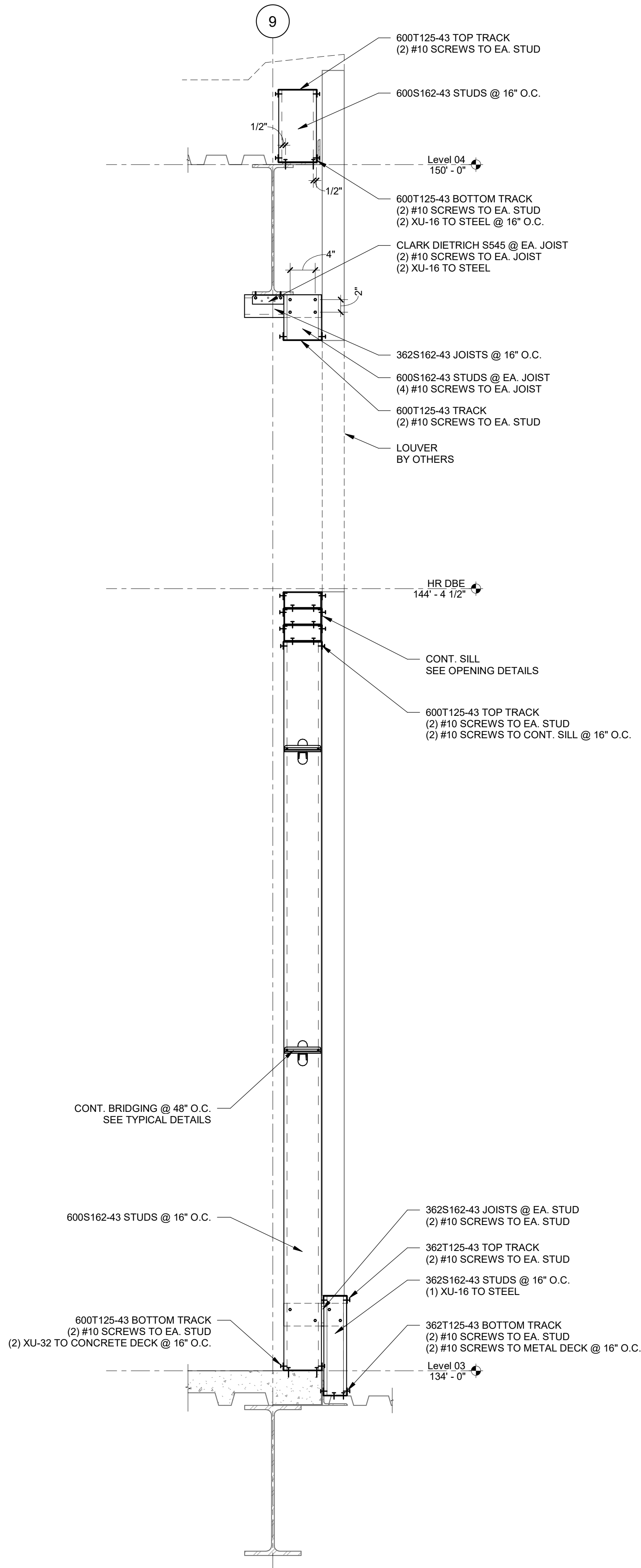
18 Section (Ref. 1/A615)
CF3.6/CF1.2 SCALE: 1" = 1'-0"

- GENERAL SHEET NOTES:
- HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
 - HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq$ 1/2"; FULL THICKNESS STEEL THICKNESS $>$ 1/2": 1/2", U.N.O.
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118 MIL (10 GAGE) SHALL BE Fy = 50KSI
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 - HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
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 - TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

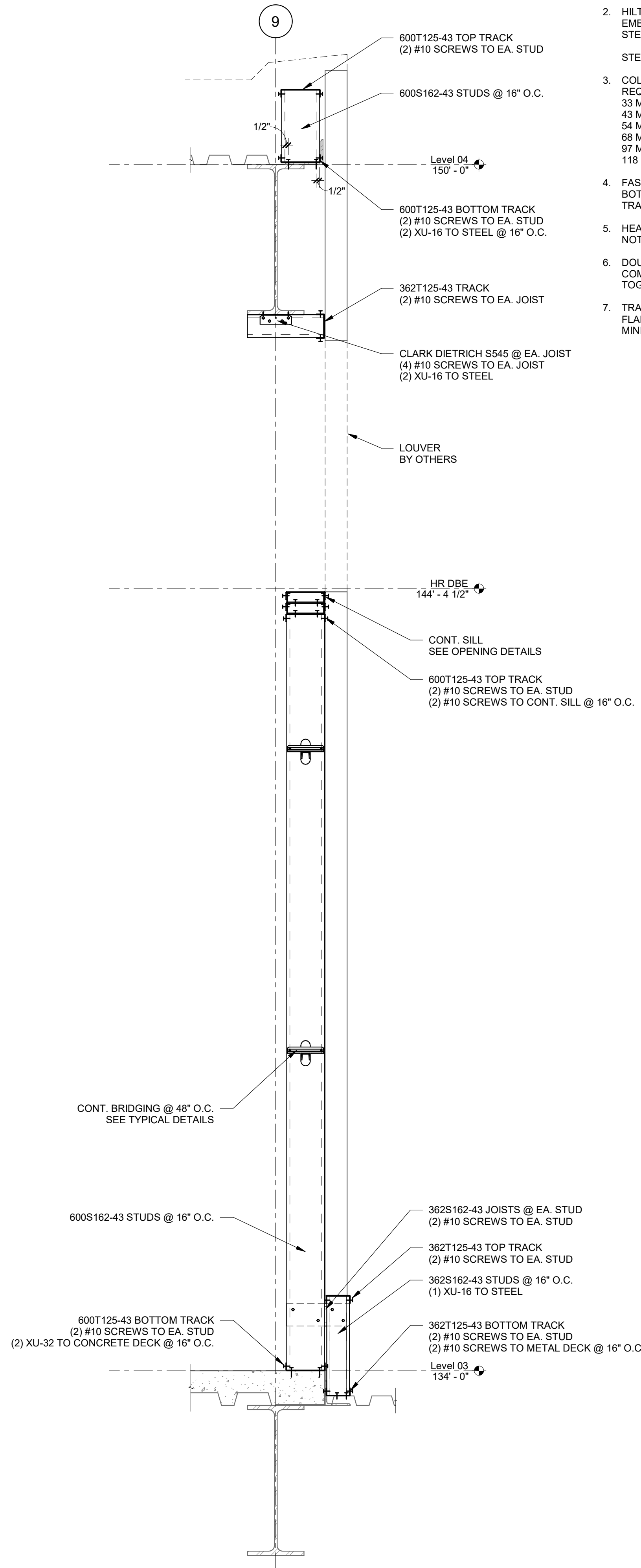
Cold Formed Stud Project

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DATE:									
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TITLE: Sections	DATE PLOTTED: 8/19/2026 10:55:39 AM	CHECKER:
DRAWING NUMBER: CF3.6	DRAFTER:	



23 Section @ Louver in depth (Ref. 13/A615)
CF3.7/CF1.2 SCALE: 1" = 1'-0"



22 Section @ Louver (Ref. 13/A615)
CF3.7/CF1.2 SCALE: 1" = 1'-0"

GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
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Cold Formed Stud Project

DESCRIPTION:

DATE:

SEAL:

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE:
Sections

FILE NUMBER :
Project #
DRAWING NUMBER :
CF3.7

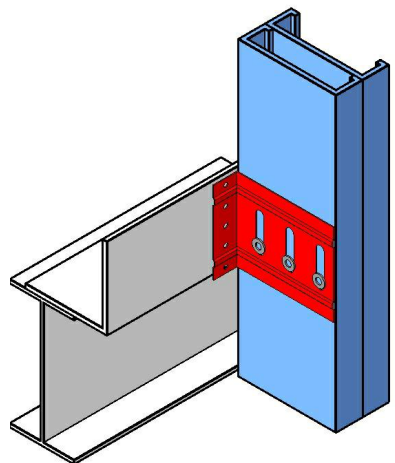
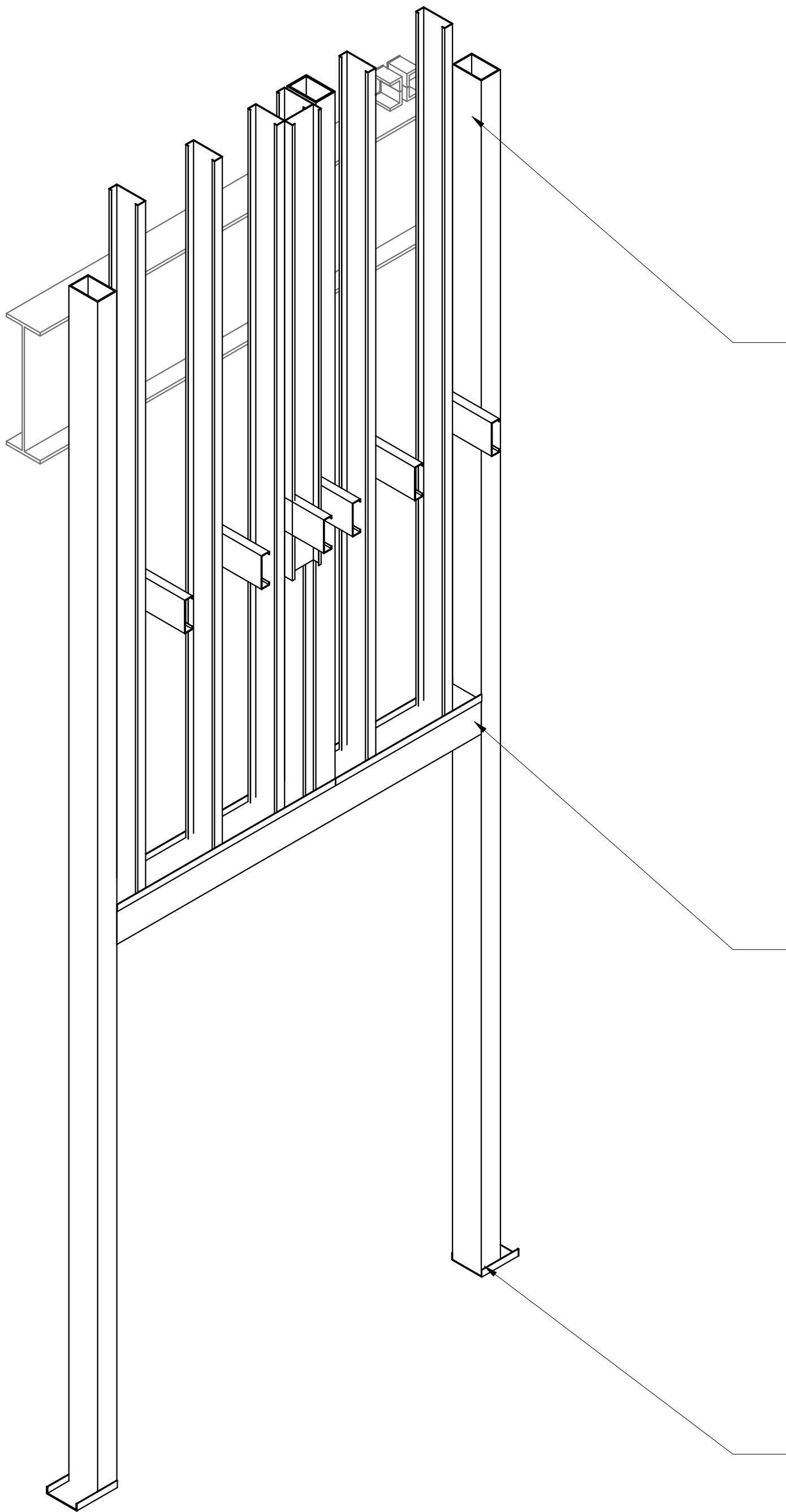
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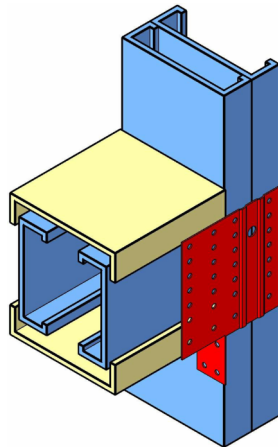
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ENGINEER:

- GENERAL SHEET NOTES:
- HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
 - HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS ≤ 1/2"; FULL THICKNESS STEEL THICKNESS > 1/2": 1/2", U.N.O.
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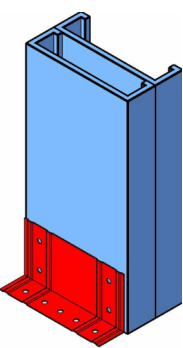
CLARK DIETRICH FCEC6-68
(3) DEFLECTION SCREWS TO JAMB
(3) XU-16 TO STEEL



BOX HEADER:
(2) 800S162-97 + (2) 600T125-97

(2) CLARK DIETRICH S545 TOP AND BOTTOM
(2) #10 SCREWS TO JAMB
(2) #10 SCREWS TO BOX HEADER
FASTENERS PER CLIP

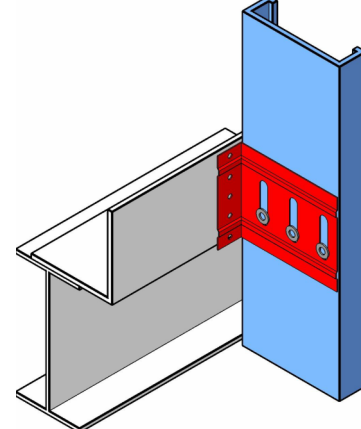
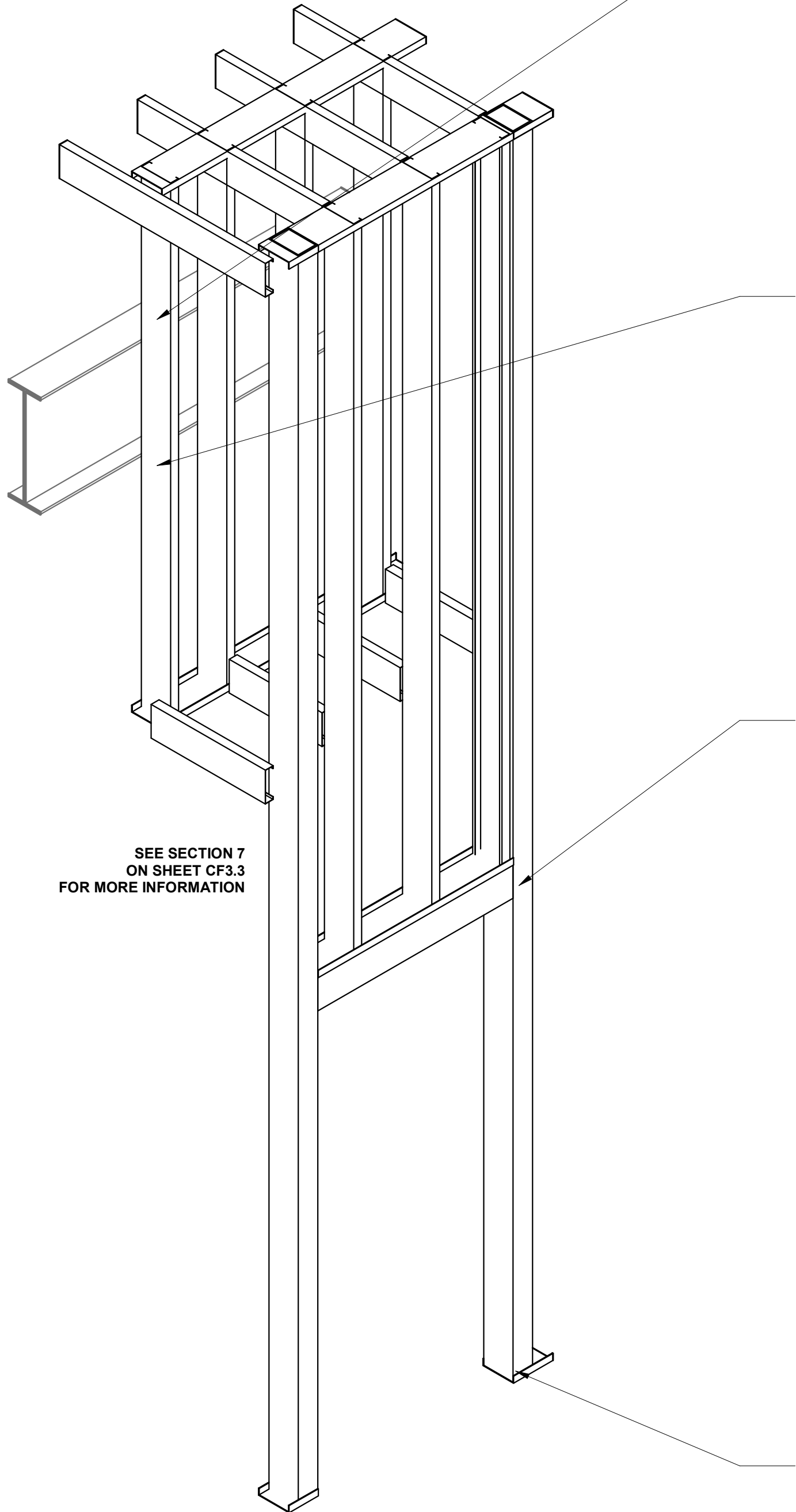
(2) CLARK DIETRICH H686 (GRAVITY CLIP)
(12) 1/4" SCREWS TO HEADER
(8) 1/4" SCREWS TO JAMB
FASTENERS PER CLIP



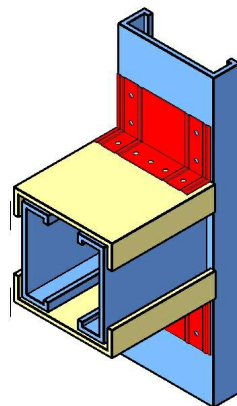
JAMB:
(2) 600S200-97

CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) XU TO CONCRETE

H2
SCALE: N.T.S.

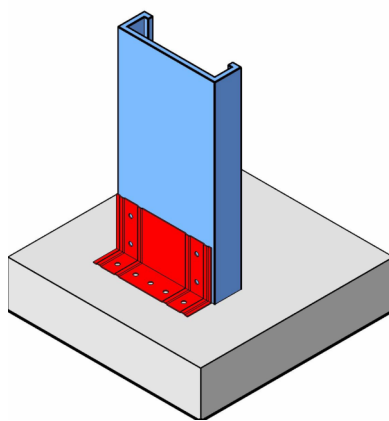


CLARK DIETRICH FCEC6-68
(3) DEFLECTION SCREWS TO JAMB
(2) XU-16 TO STEEL



BOX HEADER:
(2) 600S162-43 + (2) 600T125-43

(2) CLARK DIETRICH S545
(3) #10 SCREWS TO JAMB
(3) #10 SCREWS TO BOX HEADER
FASTENERS PER CLIP



JAMB:
(1) 600S162-43

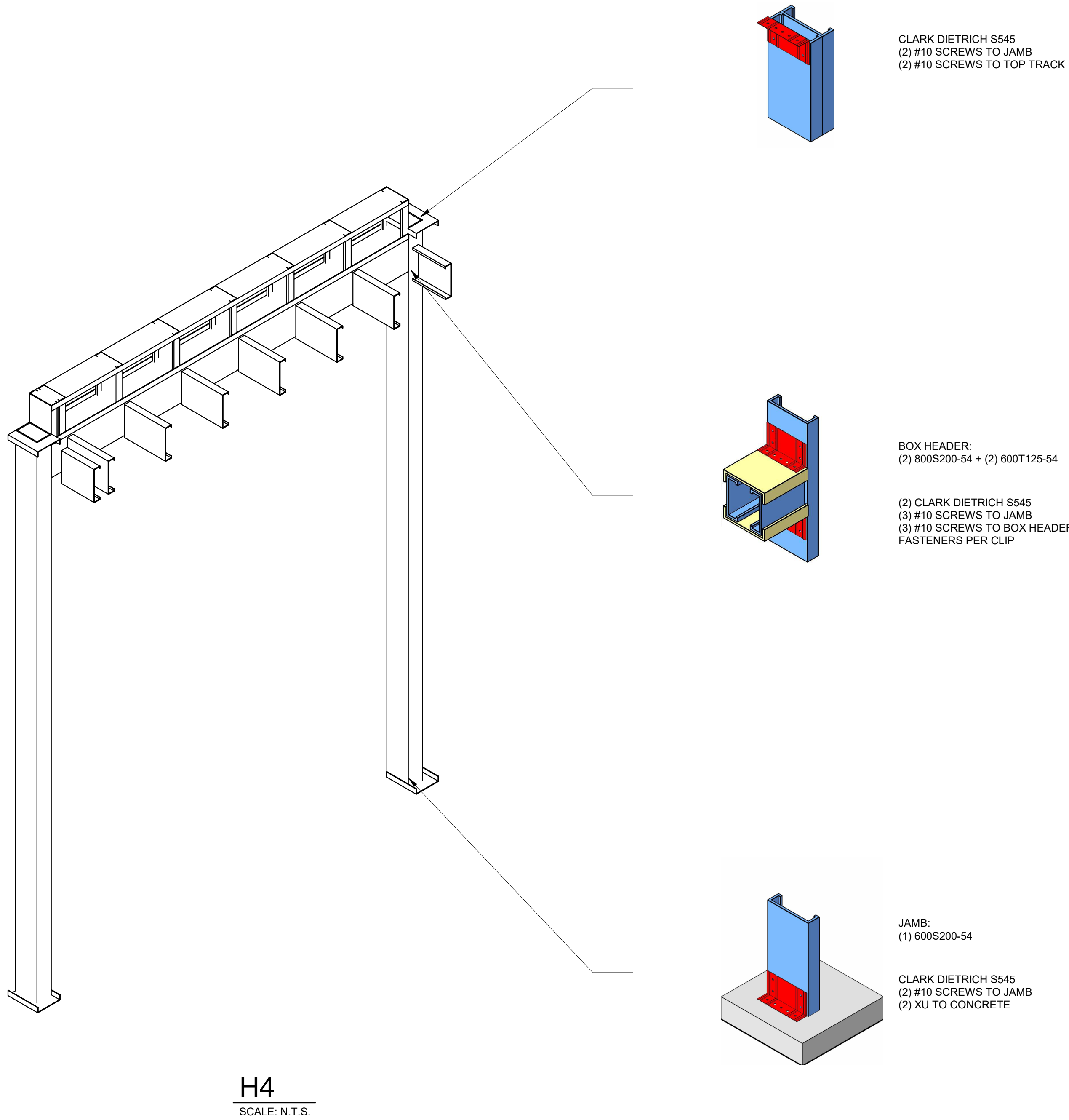
CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) XU TO CONCRETE

H1
SCALE: N.T.S.

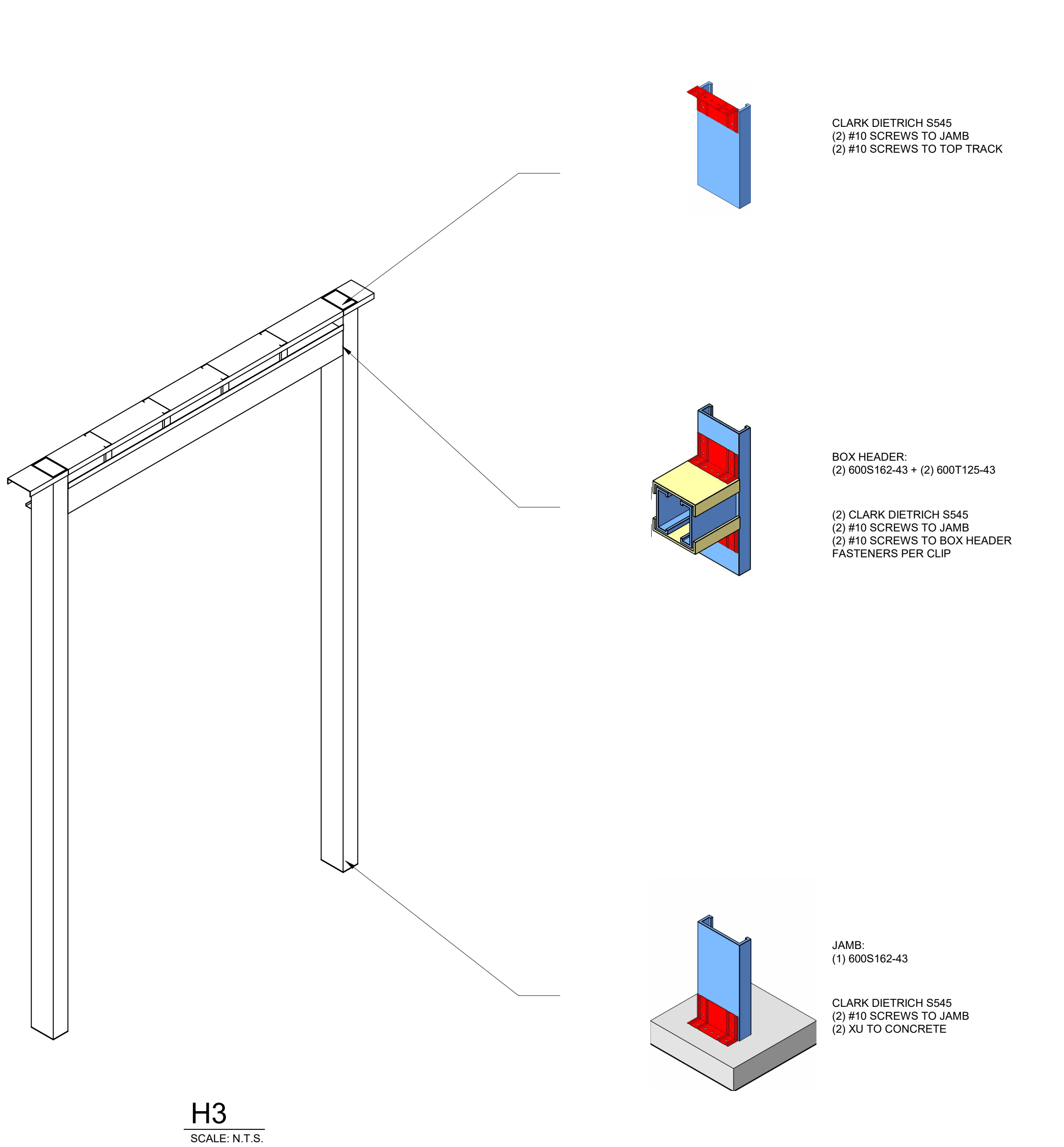
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DESCRIPTION:					
DATE:					
SEAL:					

FOR APPROVAL NOT FOR CONSTRUCTION	TITLE: Opening Details	FILE NUMBER :
		Project #
		DRAWING NUMBER :
		CF4.0
		DATE PLOTTED: 8/19/2026 10:55:39 AM
		DRAFTER: ENGINEER:
		CHECKER:



H4
SCALE: N.T.S.



H3
SCALE: N.T.S.

- GENERAL SHEET NOTES:
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FOR APPROVAL NOT FOR CONSTRUCTION

TITLE: Opening Details

FILE NUMBER : Project #

DRAWING NUMBER : CF4.1

DATE PLOTTED: 8/19/2026 10:55:40 AM

DRAFTER:

CHECKER:

ENGINEER:

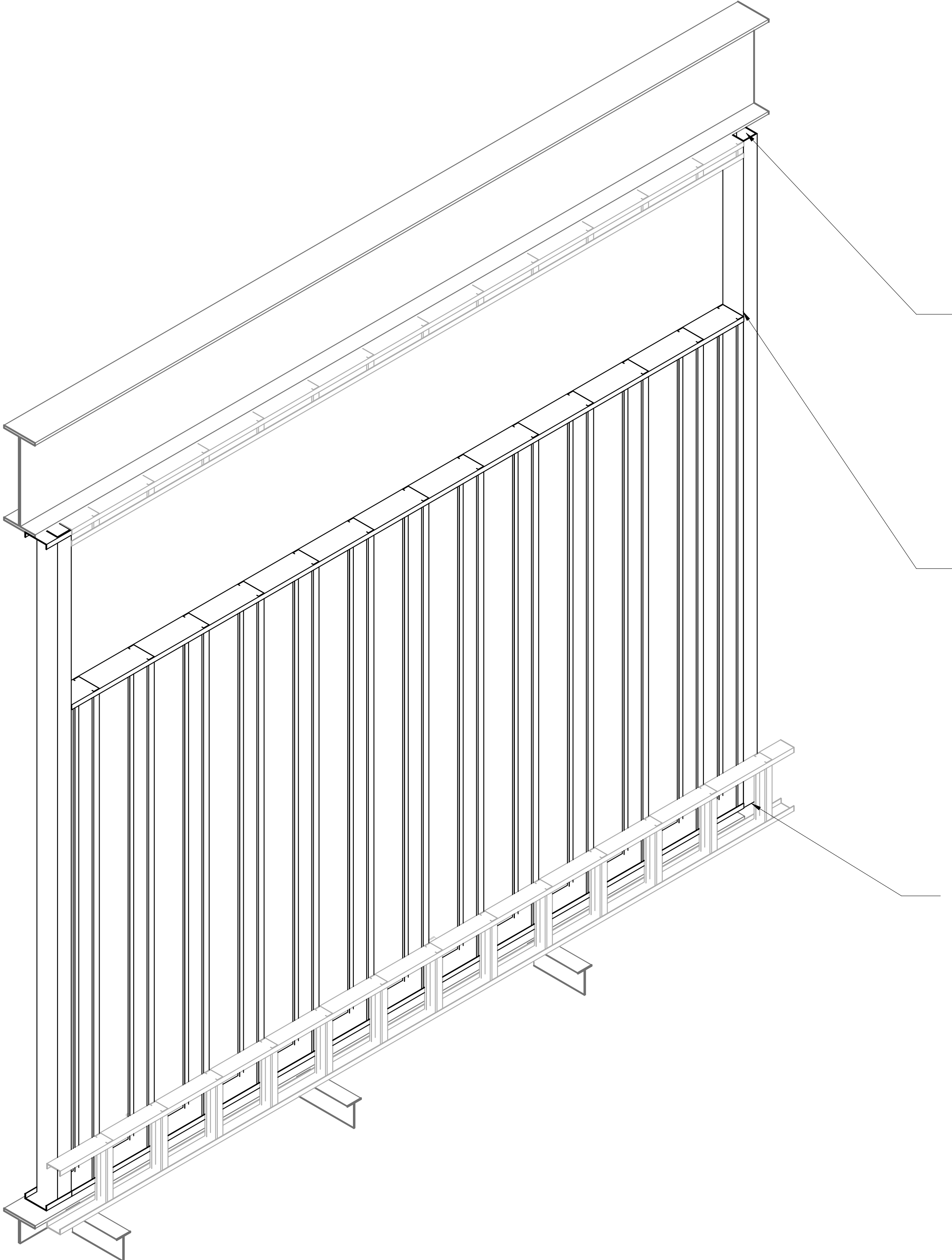
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DATE:

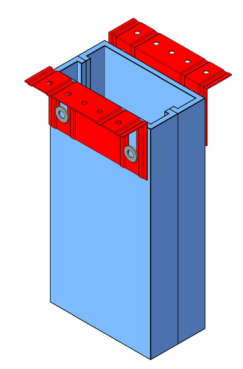
SEAL:

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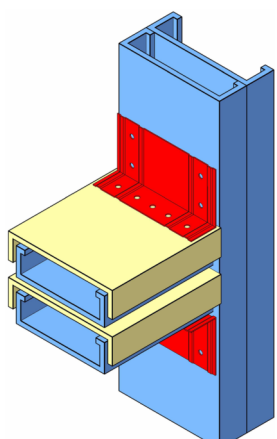
HOFFMAN CONSULTANTS
4180 44th Street SE - Suite G
Kentwood, Michigan 49512
p. (616) 827.1586
www.hoffmanconsultants.com
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S6
SCALE: N.T.S.

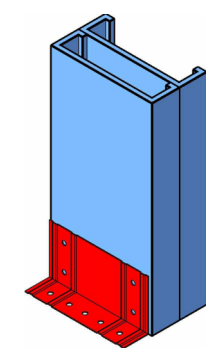


(2) CLARK DIETRICH FTC5
(3) DEFLECTION SCREWS
(2) XU-16 TO STEEL
FASTENERS PER CLIP



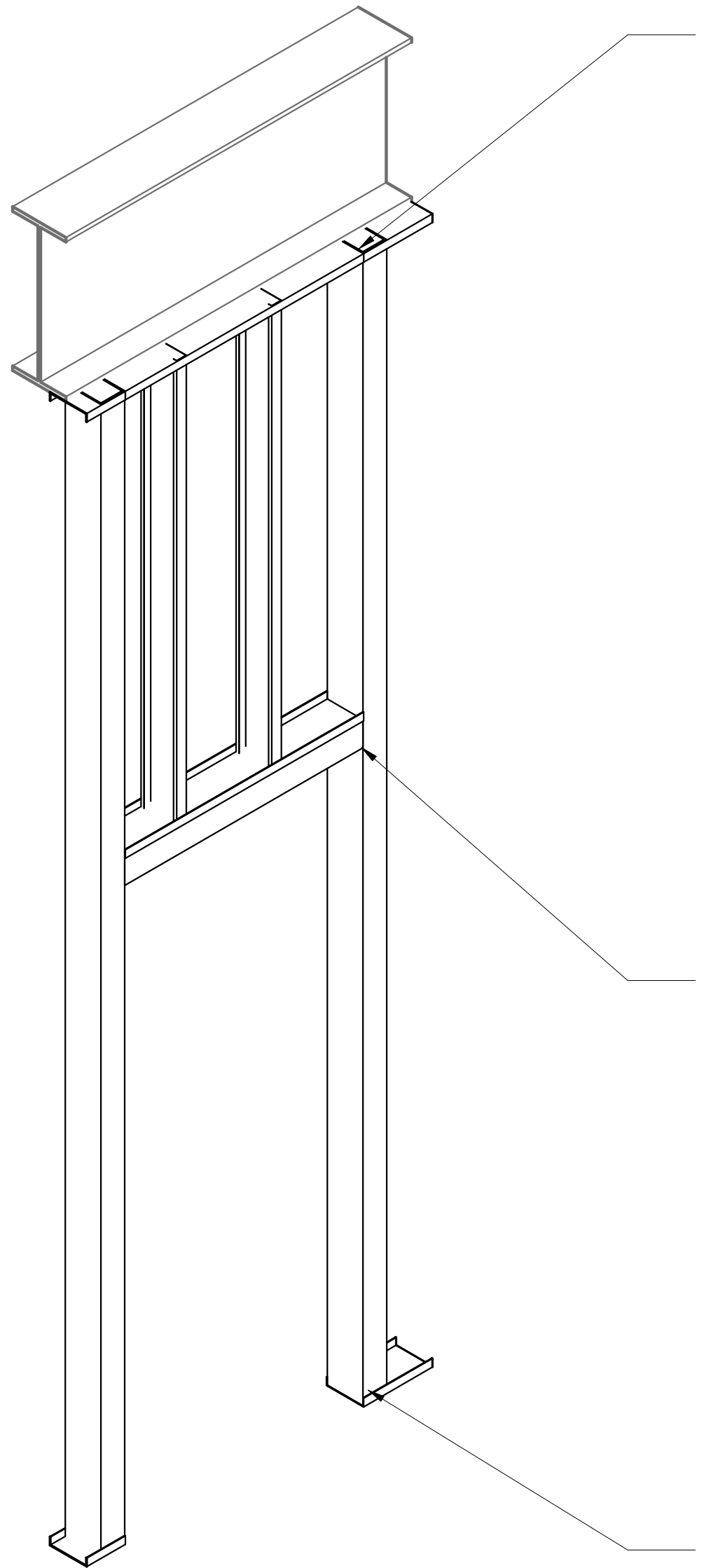
HEADER:
(2) 600S162-97 + (2) 600T125-97

(2) CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) #10 SCREWS TO HEADER
FASTENERS PER CLIP

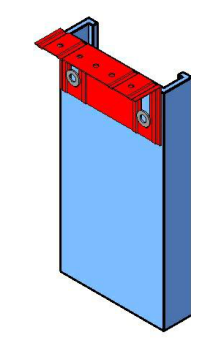


JAMB:
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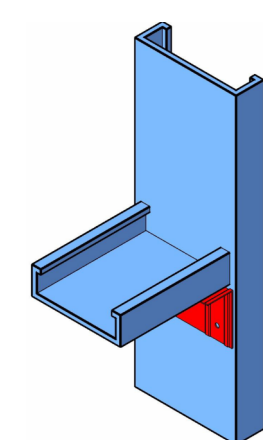
CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(3) XU TO CONCRETE



H5
SCALE: N.T.S.

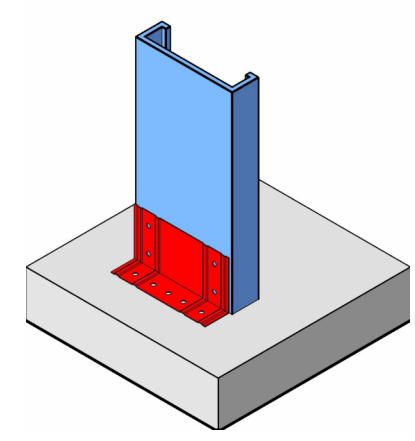


CLARK DIETRICH FTC5
(3) DEFLECTION SCREWS
(2) XU-16 TO STEEL



HEADER:
(1) 600S200-54

CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) #10 SCREWS TO HEADER



JAMB:
(1) 600S200-54

CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) XU TO CONCRETE

- GENERAL SHEET NOTES:
1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
 2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS ≤ 1/2": FULL THICKNESS STEEL THICKNESS > 1/2": 1/2", U.N.O.
 3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE Fy = 33KSI
43 MIL (18 GAGE) SHALL BE Fy = 33KSI
54 MIL (16 GAGE) SHALL BE Fy = 50KSI
68 MIL (14 GAGE) SHALL BE Fy = 50KSI
97 MIL (12 GAGE) SHALL BE Fy = 50KSI
118 MIL (10 GAGE) SHALL BE Fy = 50KSI
 4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACK) @ 12" O.C. MAX., U.N.O.
 5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
 6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
 7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

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TITLE: Opening Details

FILE NUMBER : Project #

DRAWING NUMBER : CF4.2

DATE PLOTTED: 8/19/2026 10:55:41 AM

DRAFTER:

CHECKER:

ENGINEER:

DESCRIPTION:

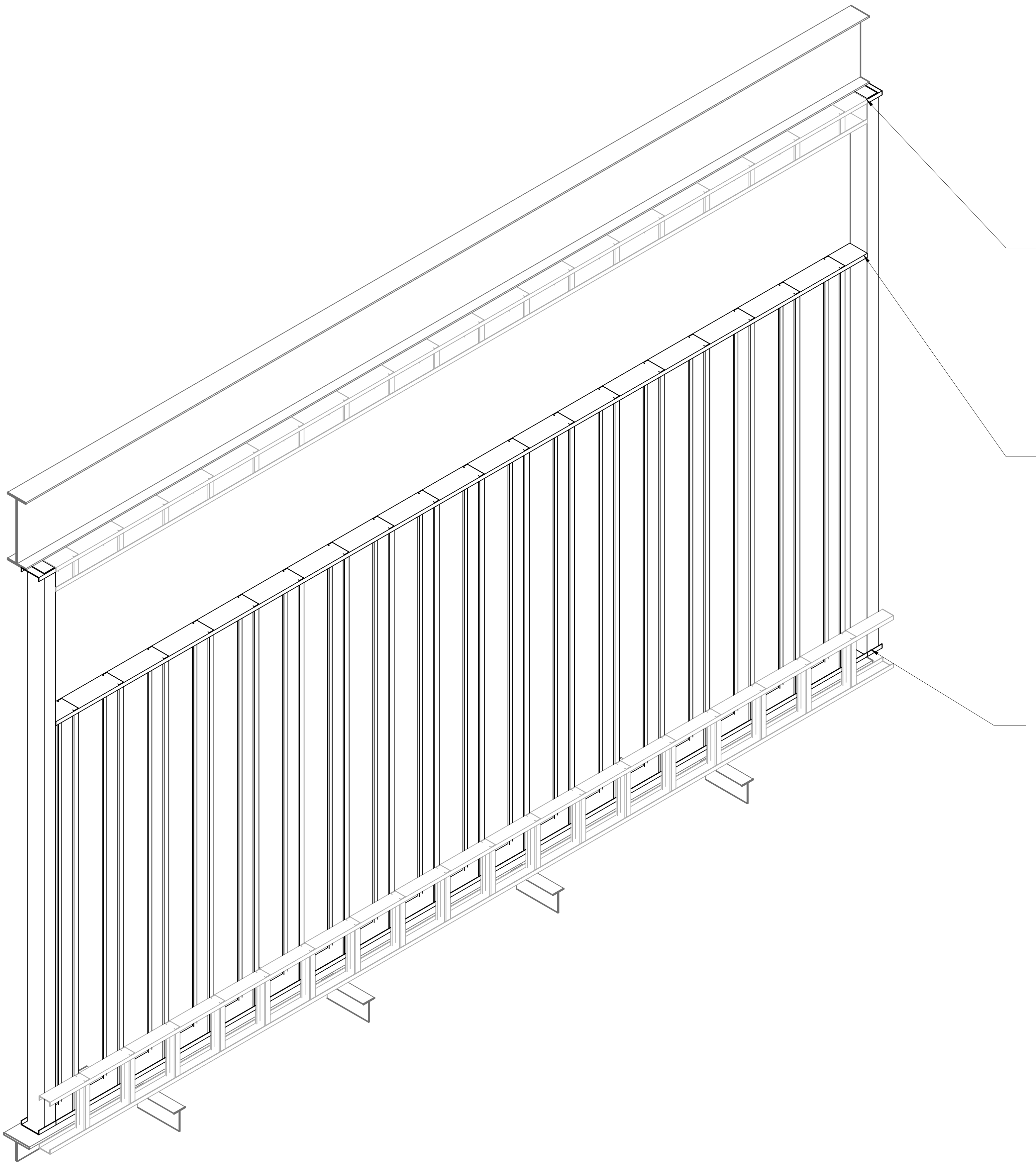
DATE:

SEAL:

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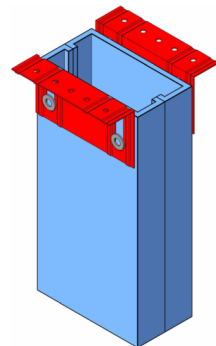
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Kentwood, Michigan 49512
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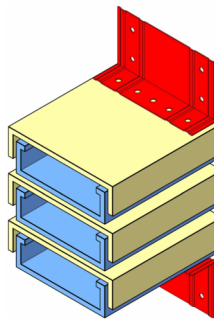


GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS ≤ 1/2": FULL THICKNESS STEEL THICKNESS > 1/2": 1/2", U.N.O.
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54 MIL (16 GAGE) SHALL BE Fy = 50KSI
68 MIL (14 GAGE) SHALL BE Fy = 50KSI
97 MIL (12 GAGE) SHALL BE Fy = 50KSI
118 MIL (10 GAGE) SHALL BE Fy = 50KSI
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5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

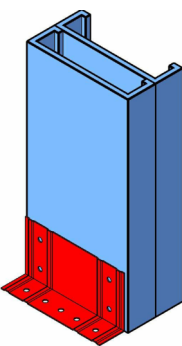


(2) CLARK DIETRICH FTC5
(3) DEFLECTION SCREWS
(3) XU-16 TO STEEL
FASTENERS PER CLIP



HEADER:
(3) 600S250-97 + (2) 600T125-97

(2) CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) #10 SCREWS TO HEADER
FASTENERS PER CLIP



JAMB:
(2) 600S162-97

(2) CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) XU TO CONCRETE
FASTENERS PER CLIP

S7

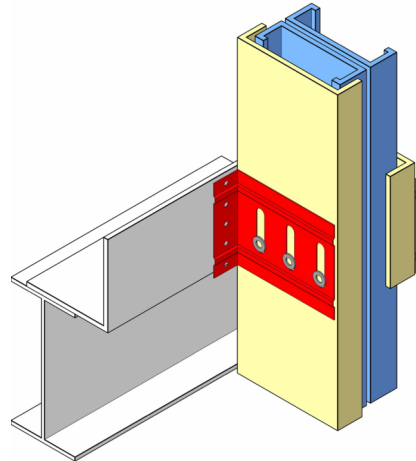
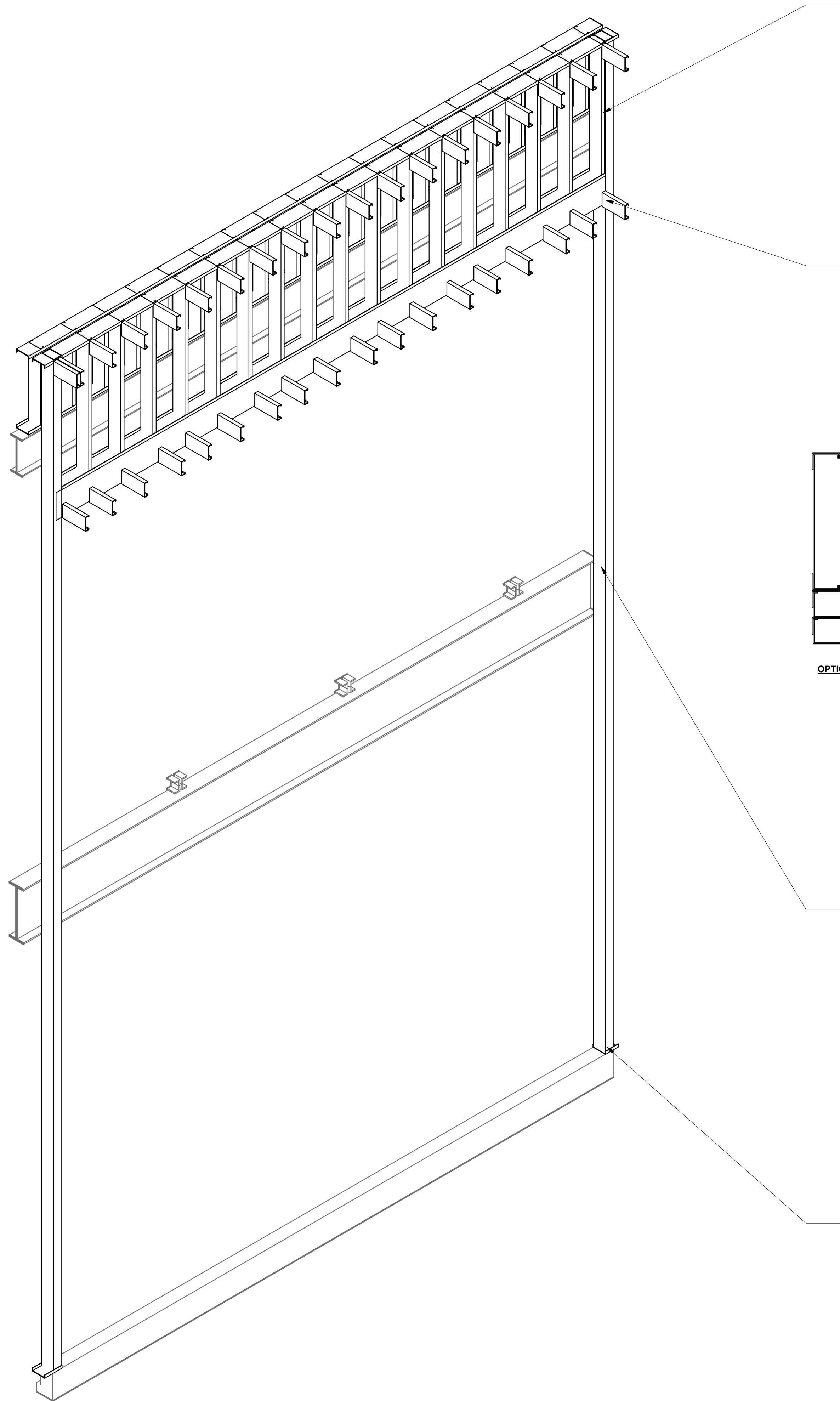
SCALE: N.T.S.

Cold Formed Stud Project

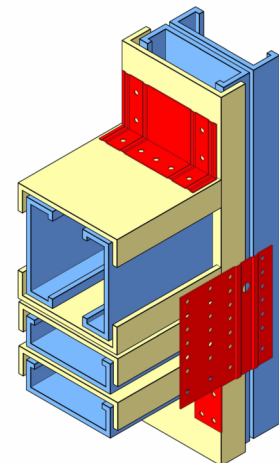
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DATE:					
SEAL:					

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FOR APPROVAL NOT FOR CONSTRUCTION	TITLE: Opening Details			
	DATE PLOTTED: 8/19/2026 10:55:41 AM		ENGINEER:	
	DRAFTER:		CHECKER:	
	FILE NUMBER : Project #			
	DRAWING NUMBER : CF4.3			

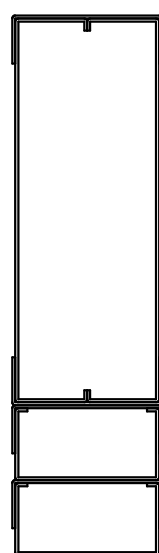


(2) CLARK DIETRICH FCEC6-97
(3) DEFLECTION SCREWS TO JAMB
(3) XU-16 TO STEEL
FASTENERS PER CLIP

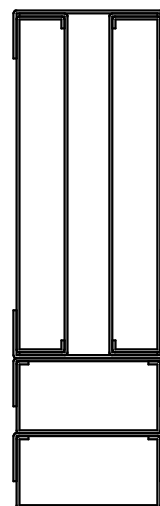


BOX HEADER:
(2) 1600S300-118 + (2) 600T200-97
WIND GIRT:
(2) 600S300-97 + (2) 600T200-97
(2) CLARK DIETRICH S975 (LATERAL CLIP)
(4) #10 SCREWS TO JAMB
(4) #10 SCREWS TO BOX HEADER
FASTENERS PER CLIP
(2) CLARK DIETRICH H686 (GRAVITY CLIP)
(12) 1/4" SCREWS TO HEADER
(8) 1/4" SCREWS TO JAMB
FASTENERS PER CLIP

OR
BOX HEADER:
(2) 1400S200-97 + (2) 1400T200-97 VERTICAL MEMBERS
(2) 600T200-97 HORIZONTAL MEMBERS
WIND GIRT:
(2) 600S300-97 + (2) 600T200-97
PROVIDE SAME CLIP CONNECTION



OPTION 1

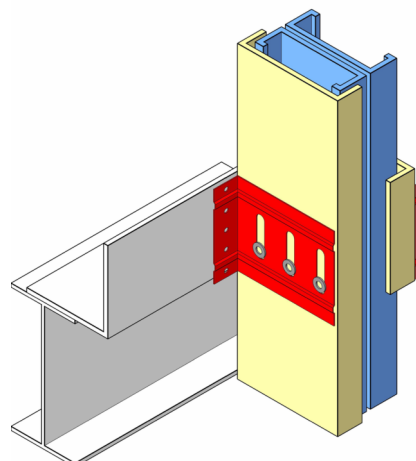


OPTION 2

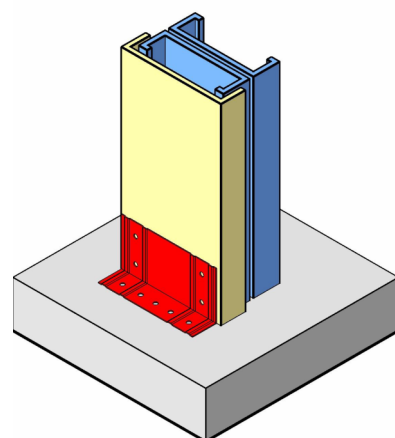
BOX HEADER:
(2) 1600S300-118 + (2) 600T200-97
WIND GIRT:
(2) 600S300-97 + (2) 600T200-97

BOX HEADER:
(2) 1400S200-97 + (2) 1400T200-97 VERTICAL MEMBERS
(2) 600T200-97 HORIZONTAL MEMBERS
WIND GIRT:
(2) 600S300-97 + (2) 600T200-97

SCREWS NOT SHOWN
FOR CLARITY



(2) CLARK DIETRICH FCEC6-97
(3) DEFLECTION SCREWS TO JAMB
(3) XU-16 TO STEEL
FASTENERS PER CLIP



JAMB:
(2) 600S200-97
(1) 600T125-54

CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) XU TO CONCRETE

GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq$ 1/2"; FULL THICKNESS STEEL THICKNESS $>$ 1/2": 1/2", U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE $F_y = 33$ KSI
43 MIL (18 GAGE) SHALL BE $F_y = 33$ KSI
54 MIL (16 GAGE) SHALL BE $F_y = 50$ KSI
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118 MIL (10 GAGE) SHALL BE $F_y = 50$ KSI
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5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

H10

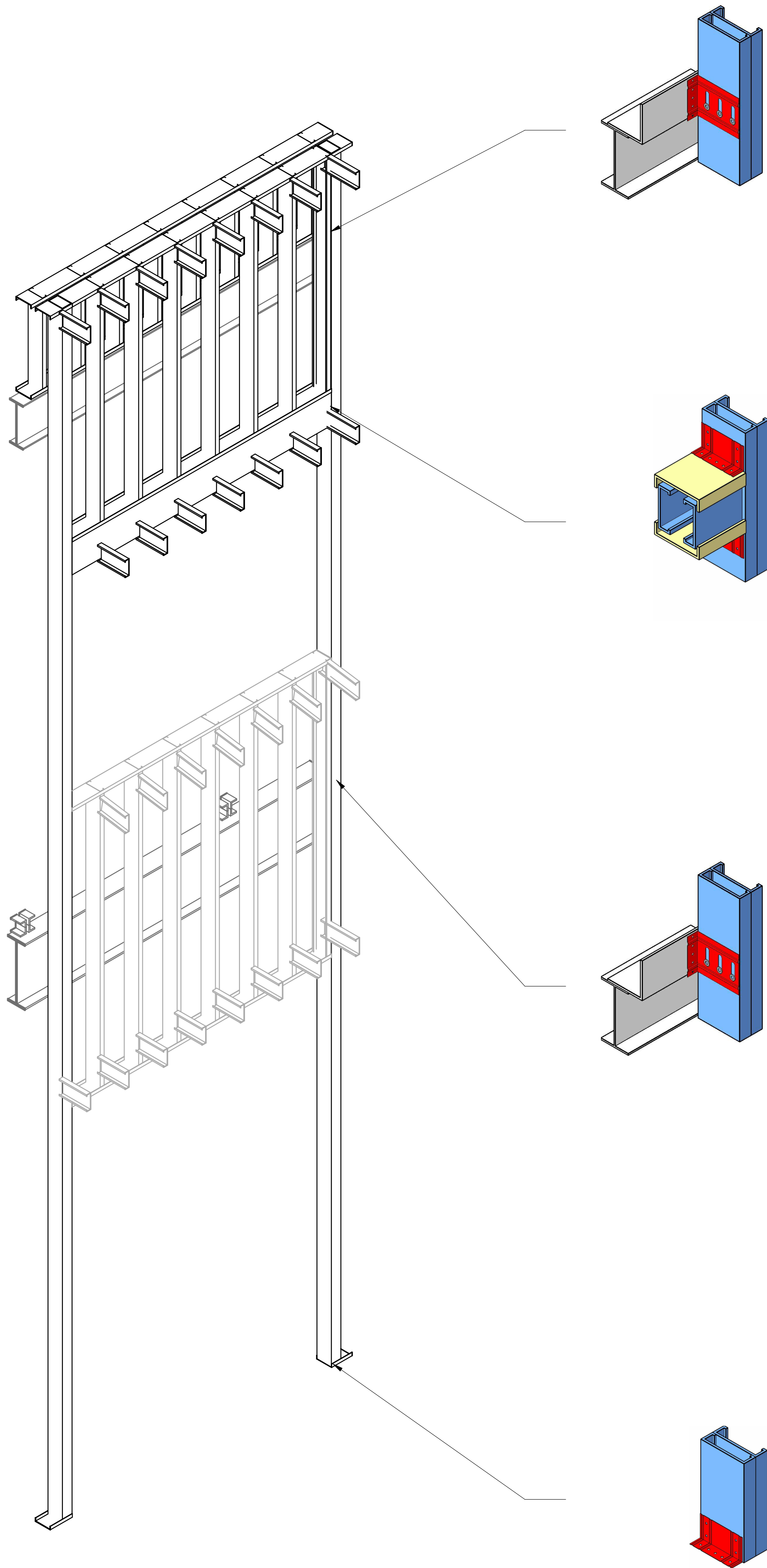
SCALE: N.T.S.

Cold Formed Stud Project

DESCRIPTION:					
DATE:					
SEAL:					

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TITLE: Opening Details	
DATE PLOTTED: 8/19/2026 10:55:42 AM	ENGINEER:
DRAFTER:	CHECKER:

FILE NUMBER :	
Project #	
DRAWING NUMBER :	
CF4.4	



H12
SCALE: N.T.S.

CLARK DIETRICH FCEC6-97
(3) DEFLECTION SCREWS TO JAMB
(2) XU-16 TO STEEL

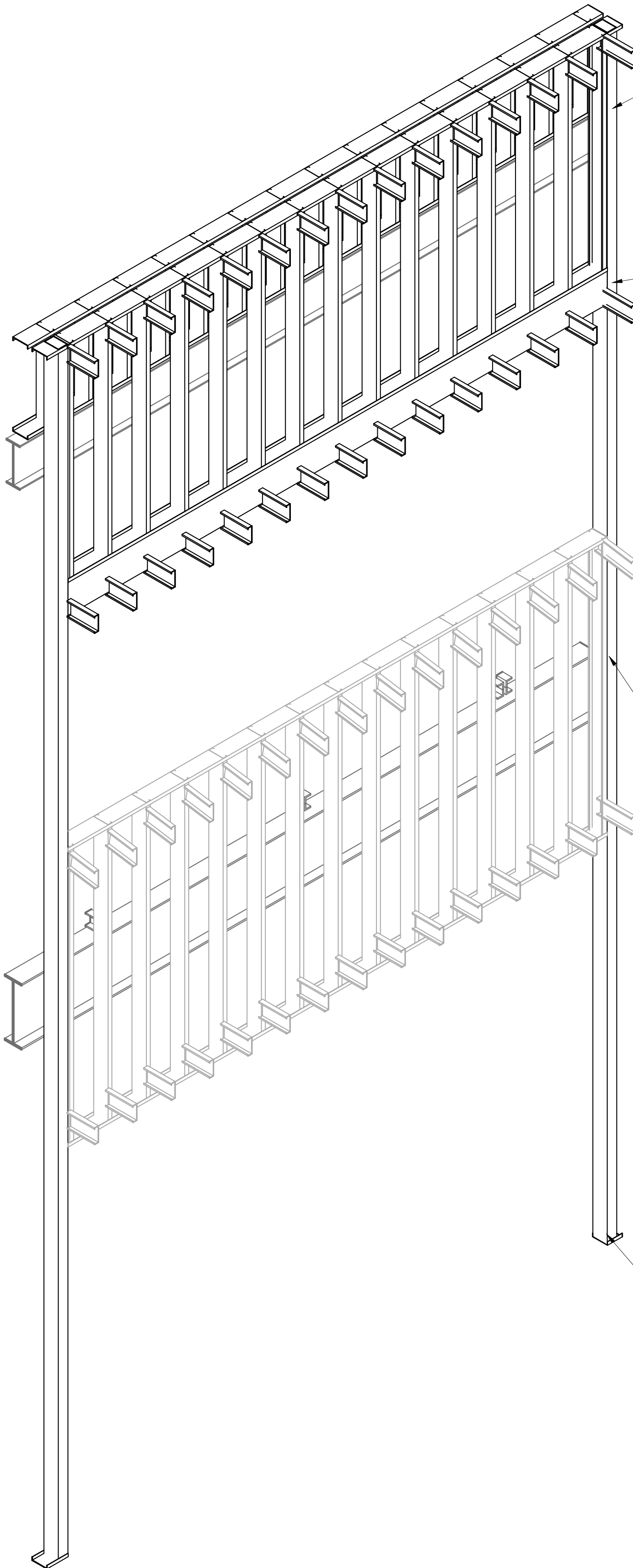
BOX HEADER:
(2) 800S162-97 + (2) 600T125-97

(2) CLARK DIETRICH S975
(4) #10 SCREWS TO JAMB
(4) #10 SCREWS TO BOX HEADER
FASTENERS PER CLIP

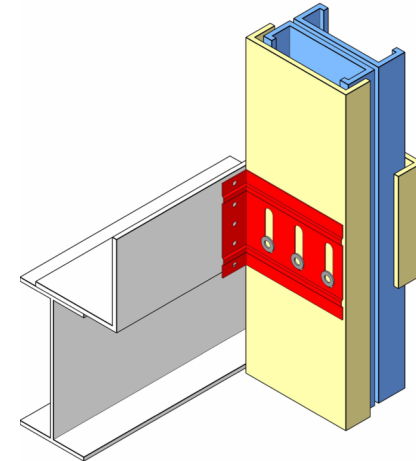
CLARK DIETRICH FCEC6-97
(3) DEFLECTION SCREWS TO JAMB
(3) XU-16 TO STEEL

JAMB:
(2) 600S162-97

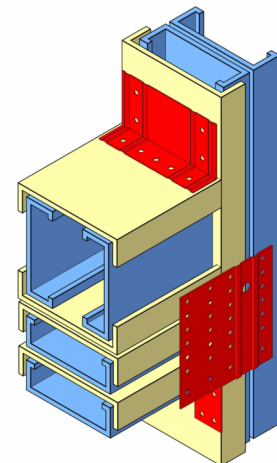
CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) XU TO CONCRETE



H11
SCALE: N.T.S.



CLARK DIETRICH FCEC6-97
(3) DEFLECTION SCREWS TO JAMB
(2) XU-16 TO STEEL

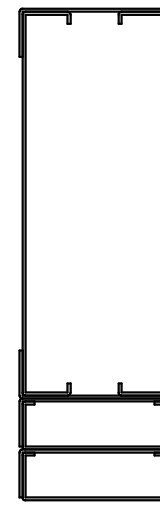


BOX HEADER:
(2) 1600S200-97 + (2) 600T200-97
WIND GIRT:
(2) 600S200-97 + (2) 600T200-97

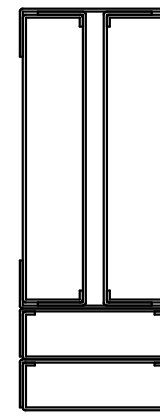
(2) CLARK DIETRICH S975
(2) #10 SCREWS TO JAMB
(2) #10 SCREWS TO BOX HEADER
FASTENERS PER CLIP
(2) CLARK DIETRICH H686 (GRAVITY CLIP)
(12) 1/4" SCREWS TO HEADER
(8) 1/4" SCREWS TO JAMB
FASTENERS PER CLIP

OR
BOX HEADER:
(2) 1200S250-97 + (2) 1200T200-97 VERTICAL MEMBERS
(2) 600T200-97 HORIZONTAL MEMBERS
WIND GIRT:
(2) 600S200-97 + (2) 600T200-97

SCREWS NOT SHOWN
FOR CLARITY



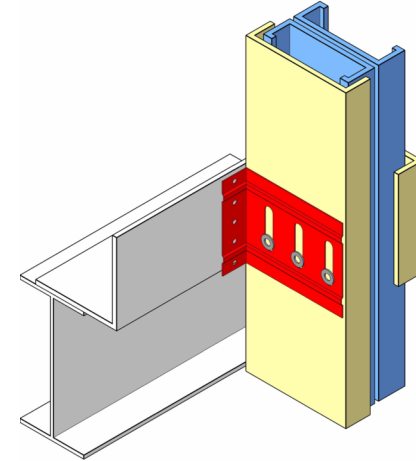
OPTION 1



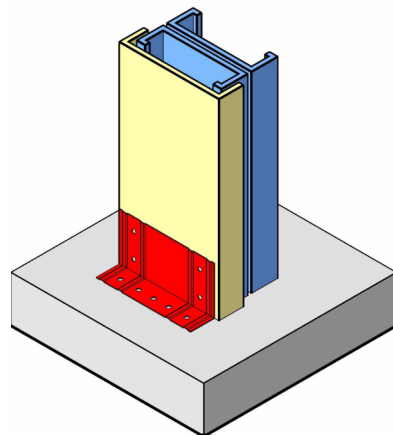
OPTION 2

H11 Header Assembly

SCALE: N.T.S.



CLARK DIETRICH FCEC6-97
(3) DEFLECTION SCREWS TO JAMB
(3) XU-16 TO STEEL



JAMB:
(2) 600S200-97
(1) 600T125-54

CLARK DIETRICH S545
(2) #10 SCREWS TO JAMB
(2) XU TO CONCRETE

GENERAL SHEET NOTES:

1. HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
2. HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq$ 1/2"; FULL THICKNESS STEEL THICKNESS $>$ 1/2": 1/2", U.N.O.
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6. DOUBLE STUDS, AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TOGETHER w/ (2) #8 SCREWS @ 24" O.C.
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH MINIMUM #8 SCREWS U.N.O.

Cold Formed Stud Project

DESCRIPTION:

DATE:

SEAL:

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TITLE:
Opening Details

FILE NUMBER :
Project #
DRAWING NUMBER :
CF4.5

DATE PLOTTED: 8/19/2026 10:55:42 AM

DRAFTER: CHECKER: ENGINEER:

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