

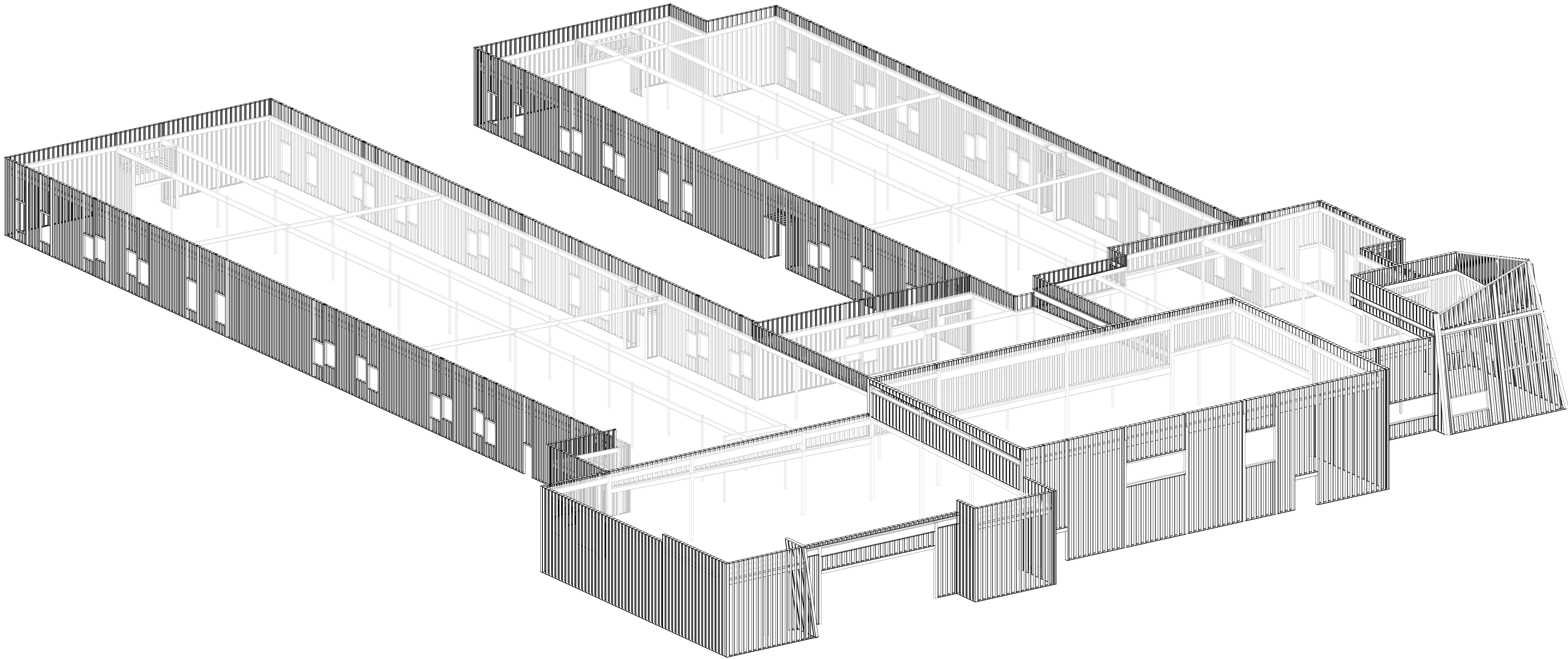
Cold Formed Stud Project

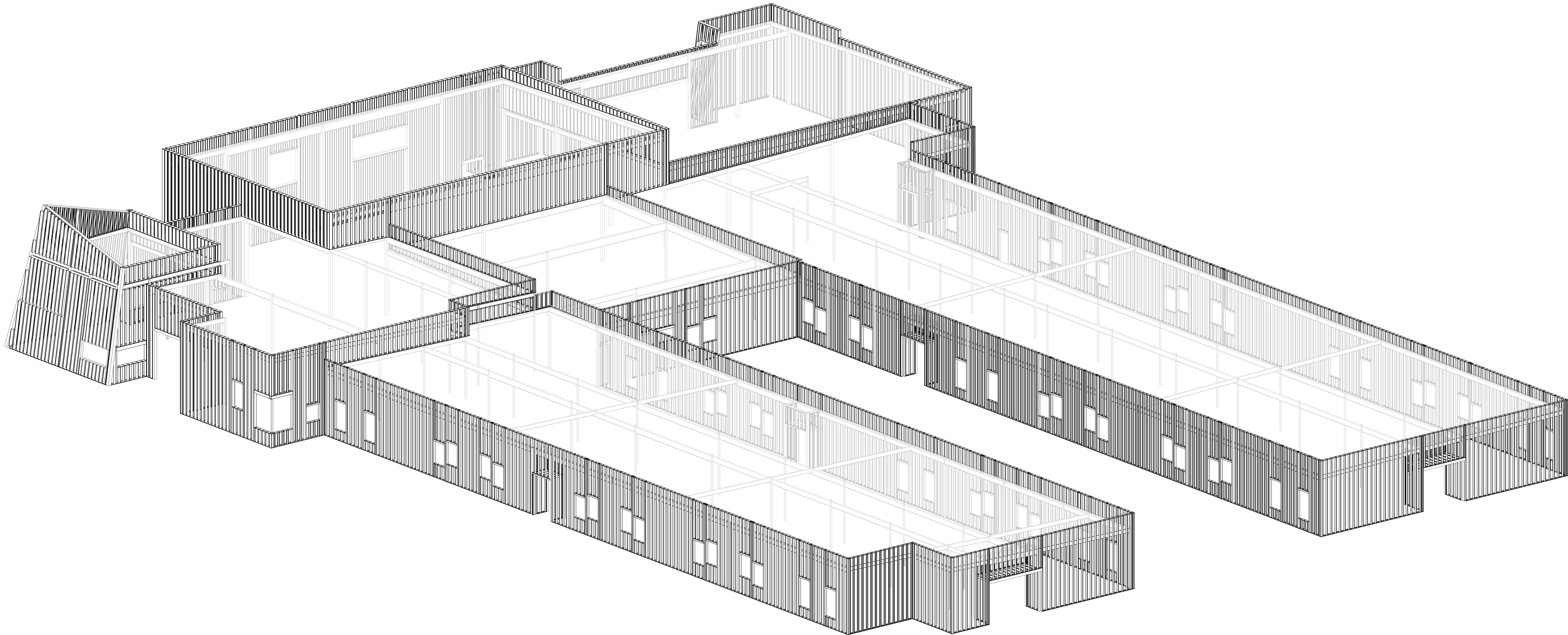
Cold Formed Stud Project

DATE:					
DESCRIPTION:					
SEAL:					

FOR APPROVAL NOT FOR CONSTRUCTION		TITLE: Title Page		FILE NUMBER: Project #	
DATE PLOTTED: 8/19/2026 10:53:37 AM		DRAWING NUMBER: CF0.1		DRAWER: ENGINEER	

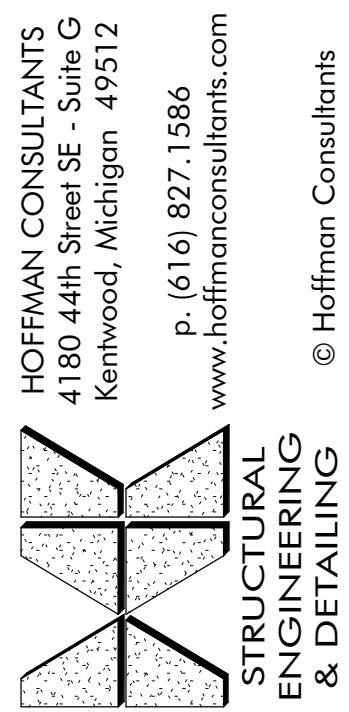
Drawing List	
Sheet Number	Sheet Name
CF0.1	Title Page
CF0.2	3D Views
CF1.0	Floor Plan
CF1.1	Floor Plan
CF1.2	Floor Plan
CF1.3	Floor Plan
CF2.0	Elevations
CF2.1	Elevations
CF2.2	Elevations
CF3.0	Typical Details
CF3.1	Sections
CF3.2	Sections
CF3.3	Sections
CF3.4	Sections
CF3.5	Sections
CF3.6	Sections
CF3.7	Sections
CF3.8	Sections
CF3.9	Sections
CF4.0	Opening Details
CF4.1	Opening Details
CF4.2	Opening Details
CF4.3	Opening Details
CF4.4	Opening Details





Northeast Isometric
SCALE: N.T.S.

- 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 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
 - 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 SPLICED, 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.



Cold Formed Stud Project

DATE:	DESCRIPTION:

FOR APPROVAL NOT FOR CONSTRUCTION	TITLE: 3D Views	
	FILE NUMBER:	Project #
	DRAWING NUMBER:	CF0.2
	DATE PLOTTED: 8/19/2026 10:53:39 AM	CHECKER: ENGINEER

1. HLT1 X-U (0.15" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN. U.O.
2. HLT2 X-U (0.15" SHANK DIA.) STEEL MIN. EMBEDMENT:
STEEL THICKNESS $\geq 1/2"$; FULL THICKNESS
- STEEL THICKNESS $> 1/2"$; 1/2" U.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE Fy = 33KSI
43 MIL (18 GAGE) SHALL BE Fy = 50KSI
54 MIL (16 GAGE) SHALL BE Fy = 50KSI
68 MIL (14 GAGE) SHALL BE Fy = 50KSI
97 MIL (12 GAGE) SHALL BE Fy = 50KSI
114 MIL (10 GAGE) SHALL BE Fy = 50KSI
4. BOTTOM SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACK) @ 12" O.C. MAX., U.O.
5. HEADER, SILL AND JAMB MEMBERS SHALL NOT BE SPLICED, PROVIDE CONTINUOUS
6. DOUBLE STUDS AND STUD/TRACK COMBINATIONS SHALL BE ANCHORED TO SUPPORT w/ (2) #8 SCREWS @ 24"
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH (2) #8 SCREWS U.O.



Cold Formed Stud Project

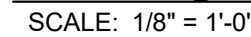
FOR APPROVAL NOT FOR CONSTRUCTION	TITLE:	Floor Plan	FILE NUMBER:	Project #
			DRAWING NUMBER:	CF1.0
	DATE PLOTTED:	8/10/2026 10:53:38 AM	DRAWER:	
	CHECKER:	ENGINEER:		
	DATE:			
	DESCRIPTION:			
	SEAL:			

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



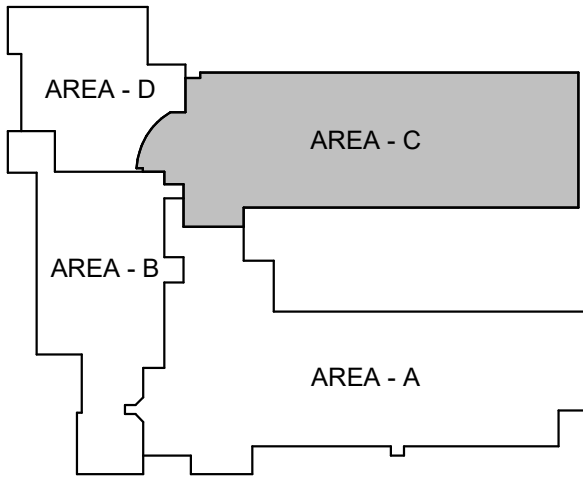
STRUCTURAL
ENGINEERING
& DETAILING

FILE NUMBER :	Project #
DRAWING NUMBER	CF1.1

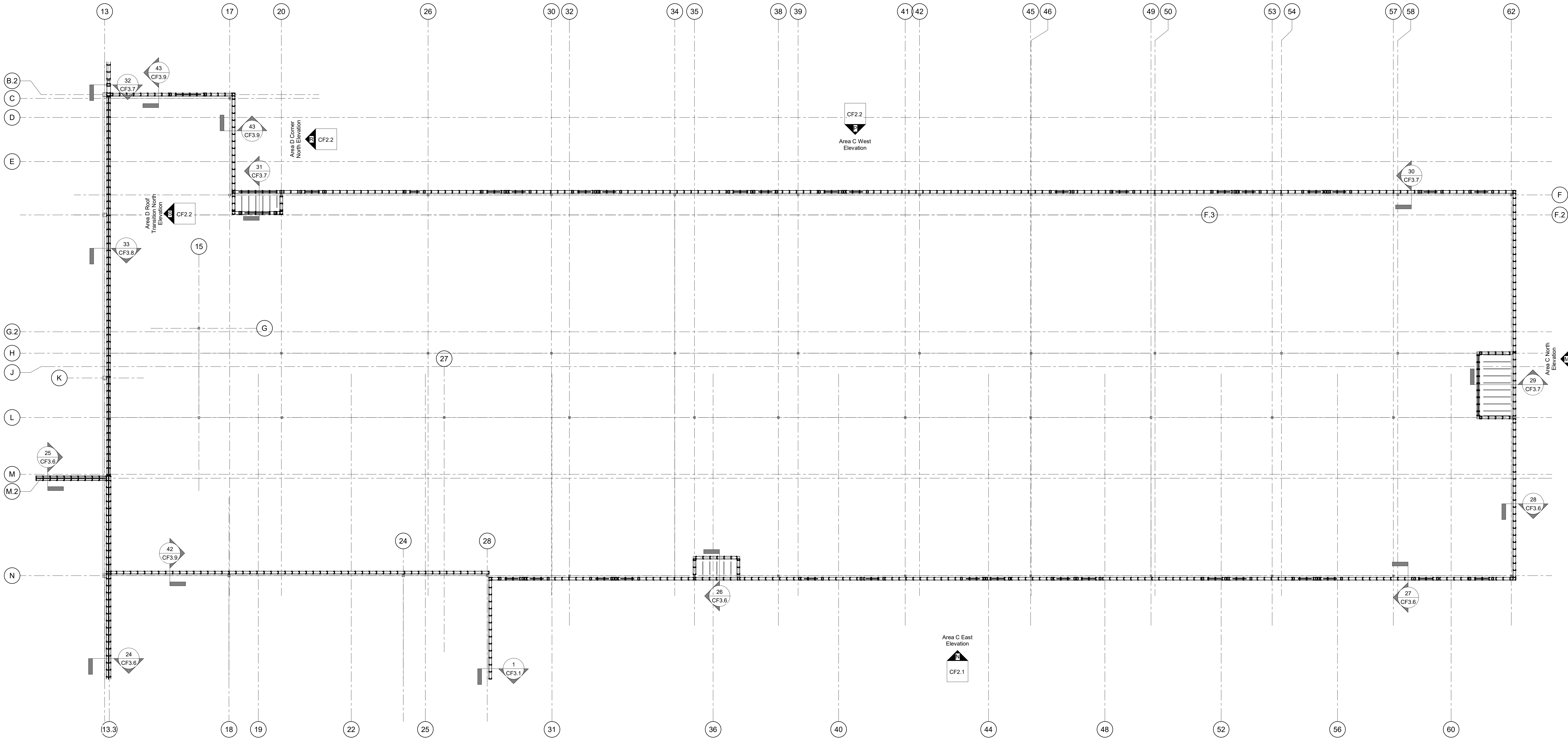


GENERAL SHEET NOTES:

- 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 $F_y = 33$ 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
- 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 SPLICED, 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.



KEY PLAN
SCALE: 1" = 1'-0"



Enlarge Floor Plan - Area C
SCALE: 1/8" = 1'-0"

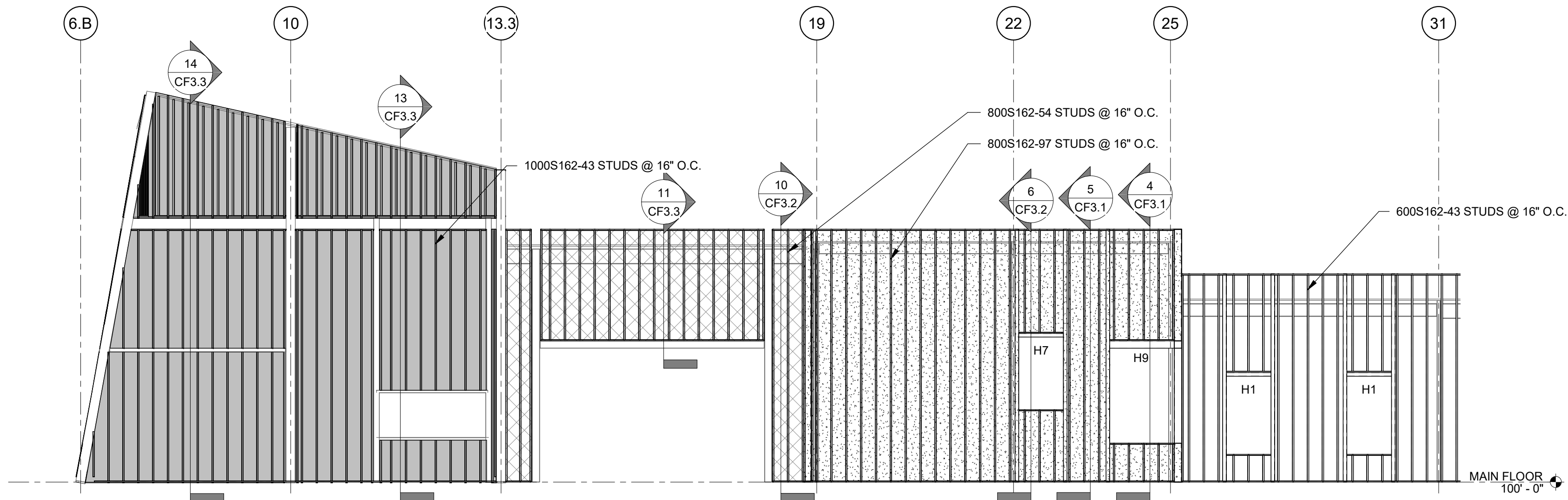
Cold Formed Stud Project

DATE:	DESCRIPTION:

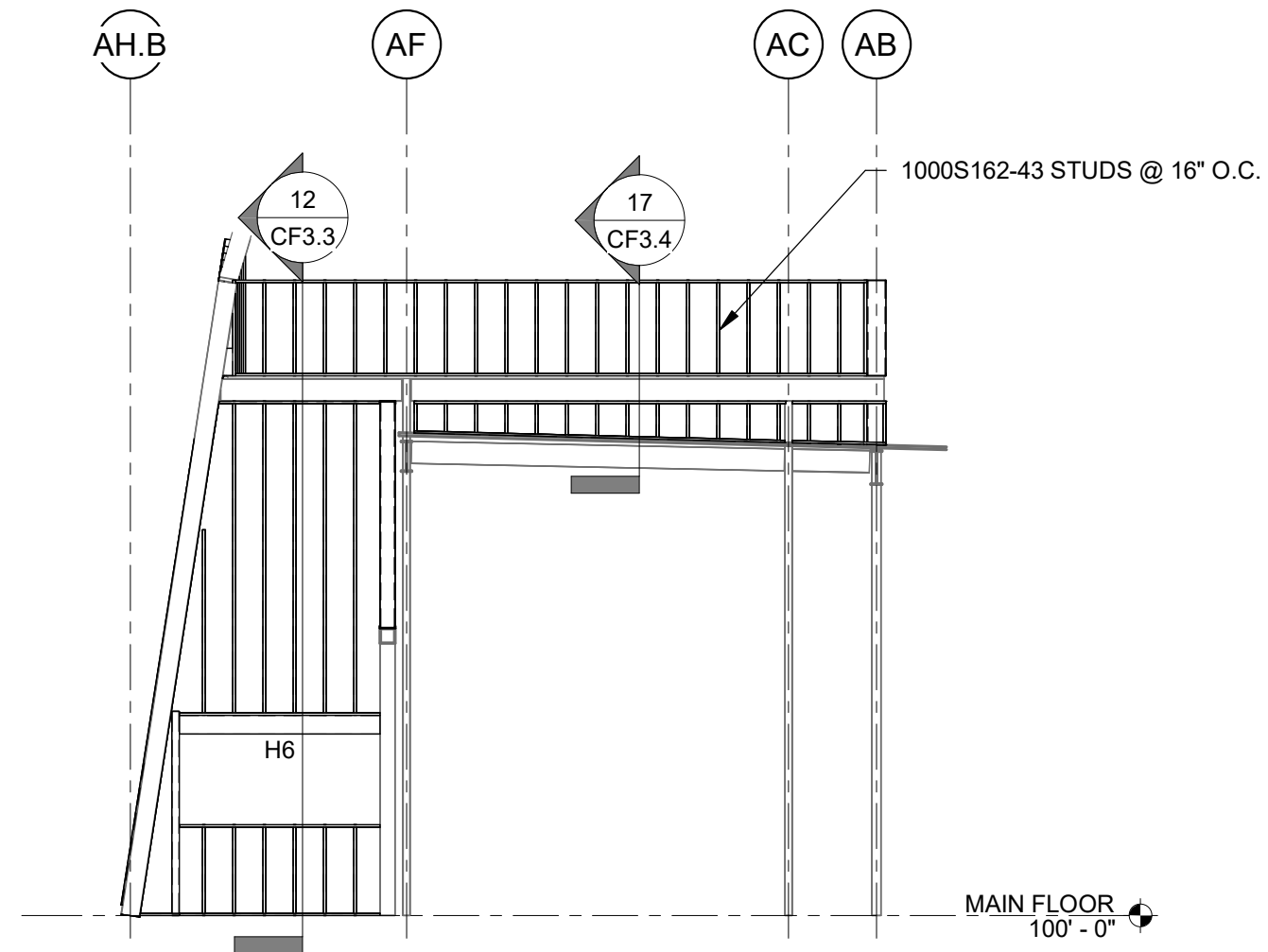
FOR APPROVAL NOT FOR CONSTRUCTION	TITLE: Floor Plan	FILE NUMBER: Project #
DATE PLOTTED: 8/19/2026 10:53:39 AM	CHECKER: ENGINEER	DRAWING NUMBER: CF1.2

GENERAL SHEET NOTES:

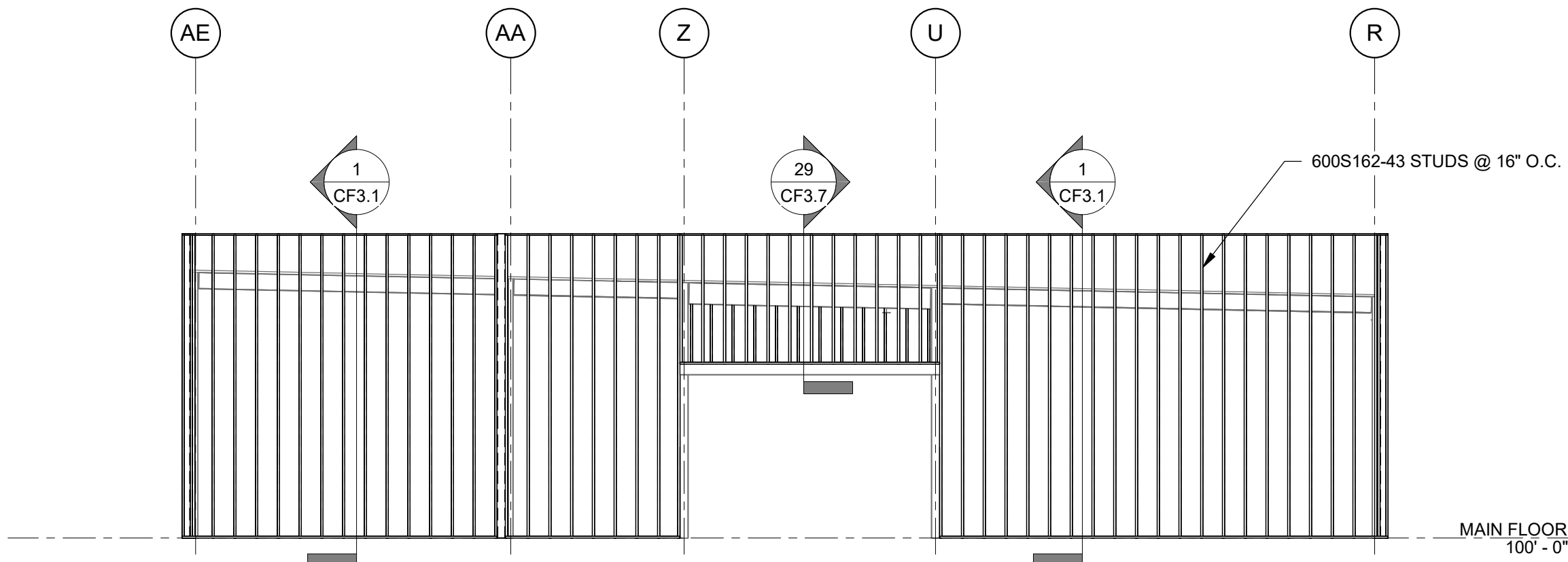
- HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
- HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq 1/2"$: FULL THICKNESS STEEL THICKNESS $> 1/2"$: $1/2"$, U.N.O.
- COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE $F_y = 33\text{KSI}$
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 $F_y = 50\text{KSI}$
118 MIL (10 GAGE) SHALL BE $F_y = 50\text{KSI}$
- 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 SPLICED, 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.



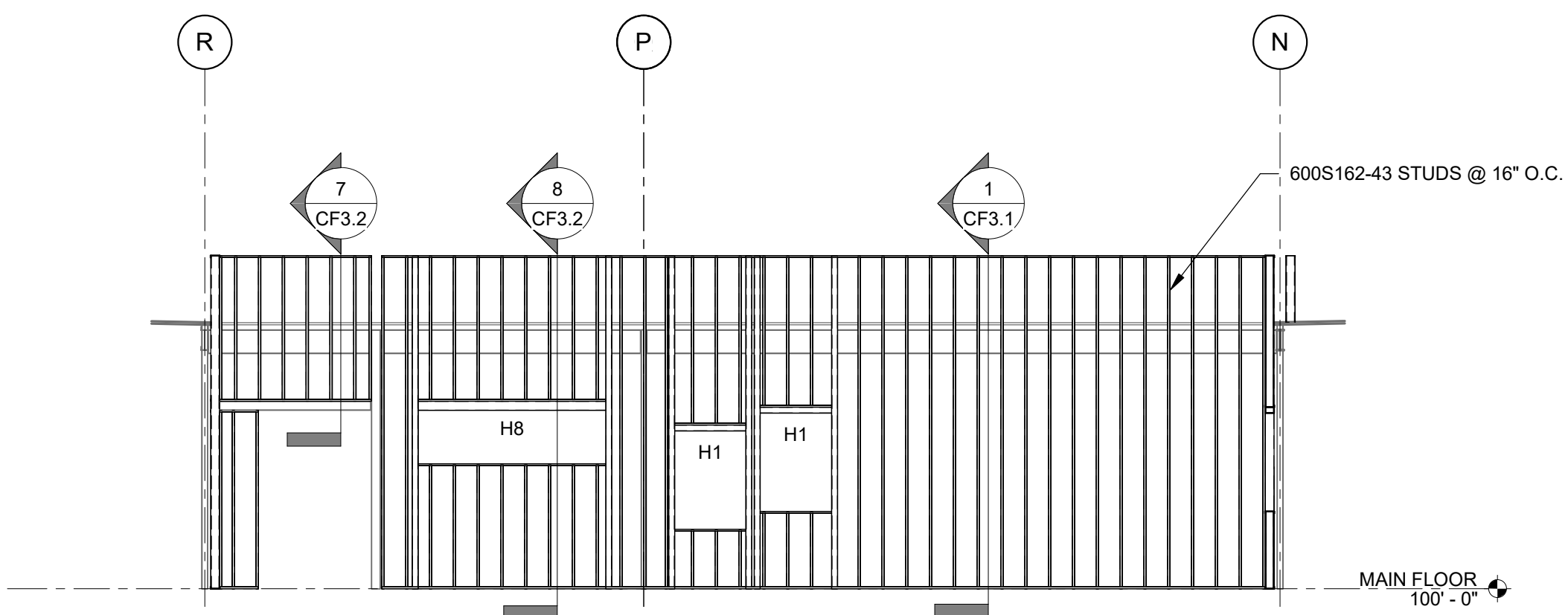
F Area B East Elevation
CF2.0/CF1.0 SCALE: 1/8" = 1'-0"



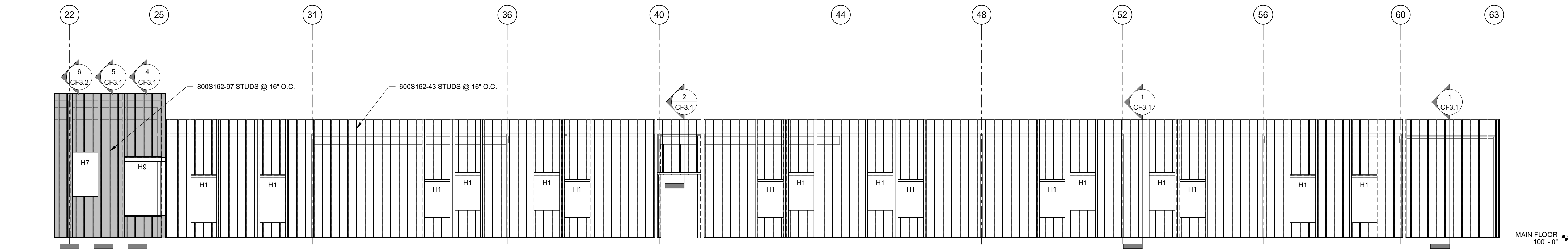
E Area B Front Office North Highroof
CF2.0/CF1.0 SCALE: 1/8" = 1'-0"



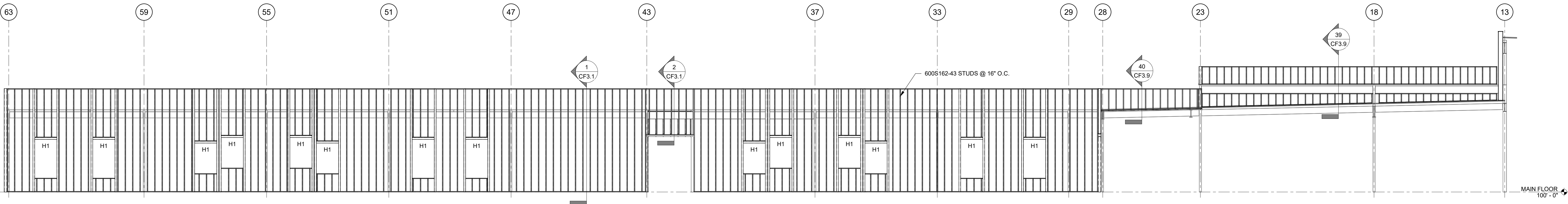
D Area A North Elevation
CF2.0/CF1.0 SCALE: 1/8" = 1'-0"



C Area A and C North Elevation
CF2.0/CF1.0 SCALE: 1/8" = 1'-0"



B Area A East Elevation
CF2.0/CF1.0 SCALE: 1/8" = 1'-0"



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

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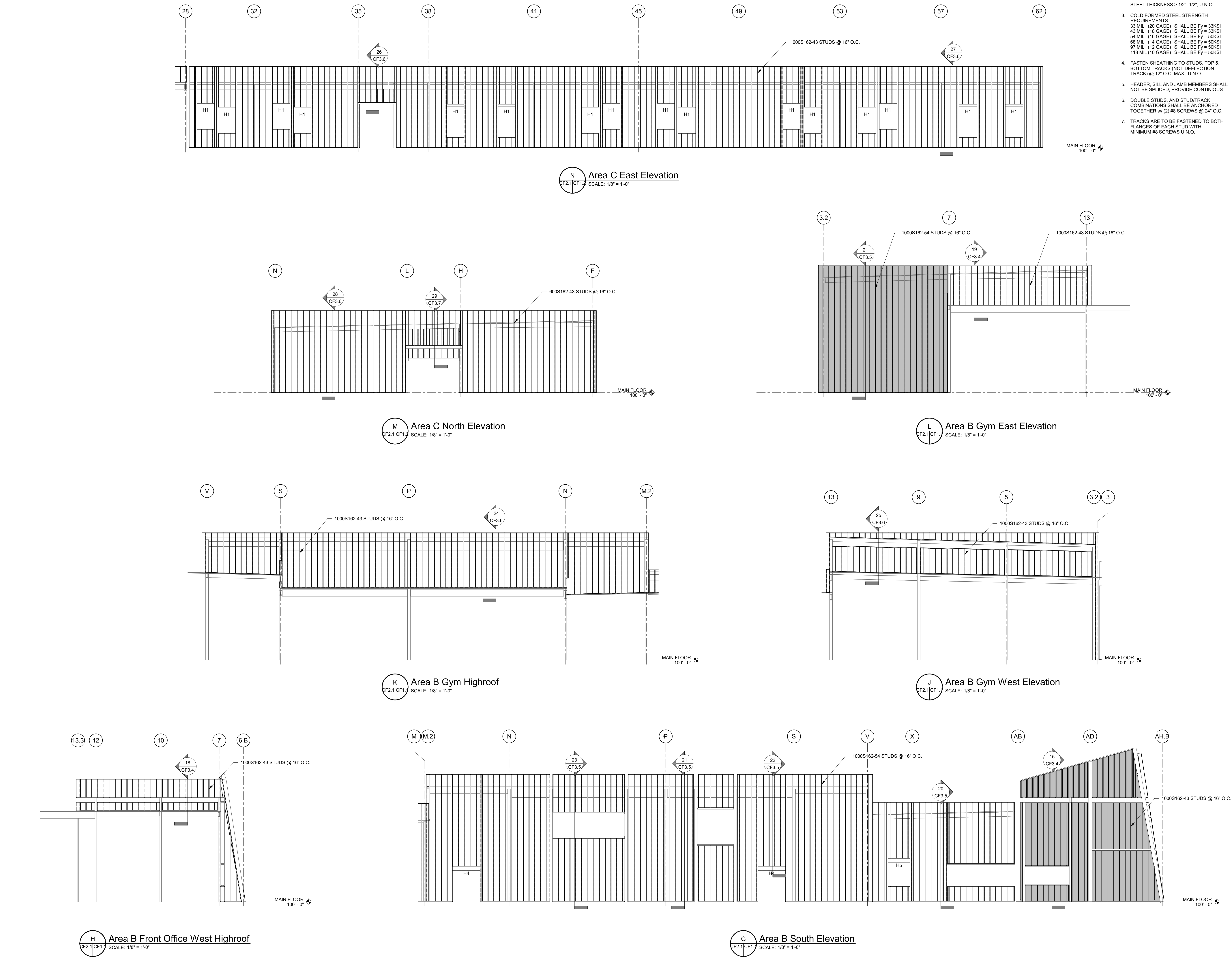
DATE: DESCRIPTION: SEAL:

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE: Elevations

FILE NUMBER: Project #
DRAWING NUMBER: CF2.0

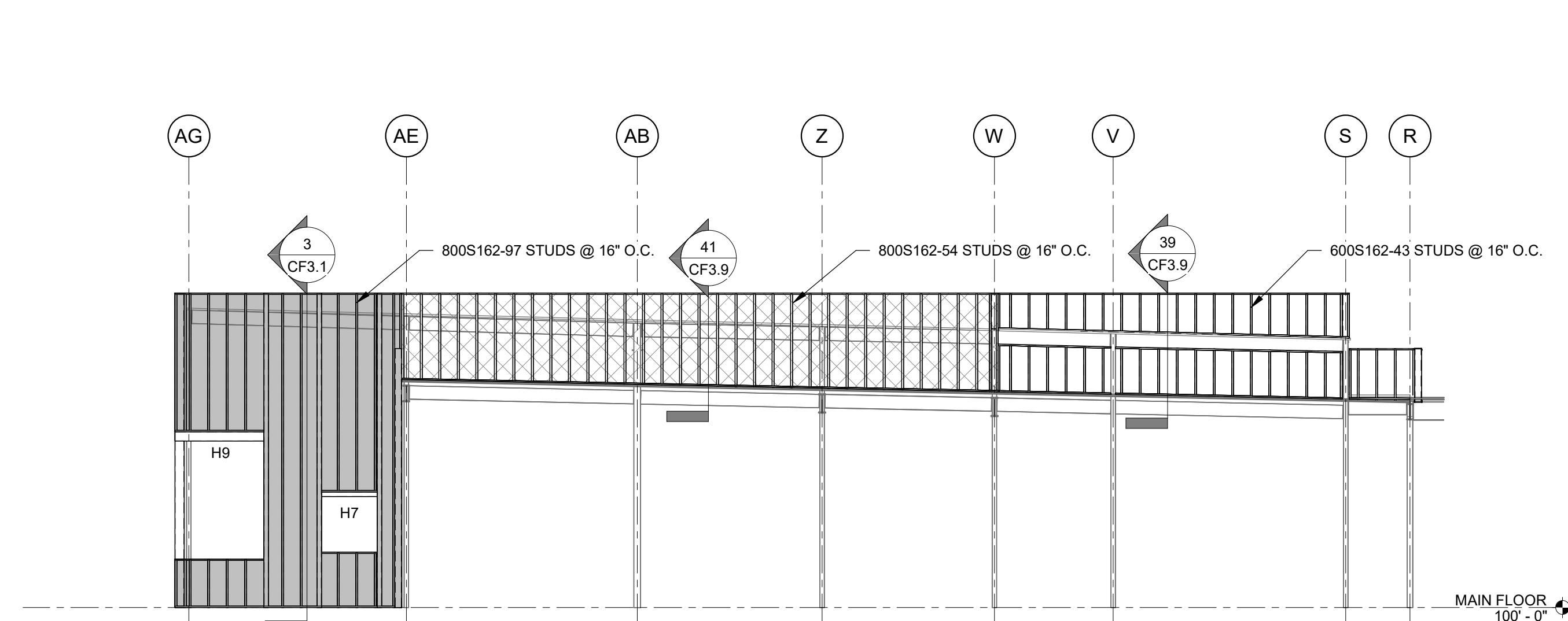
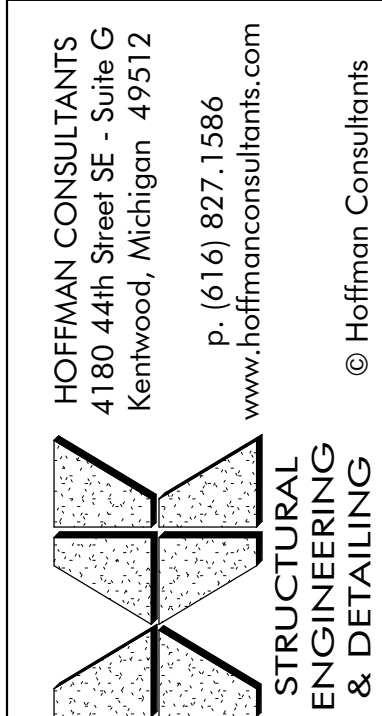
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DRAWN BY: CHECKED BY: ENGINEER



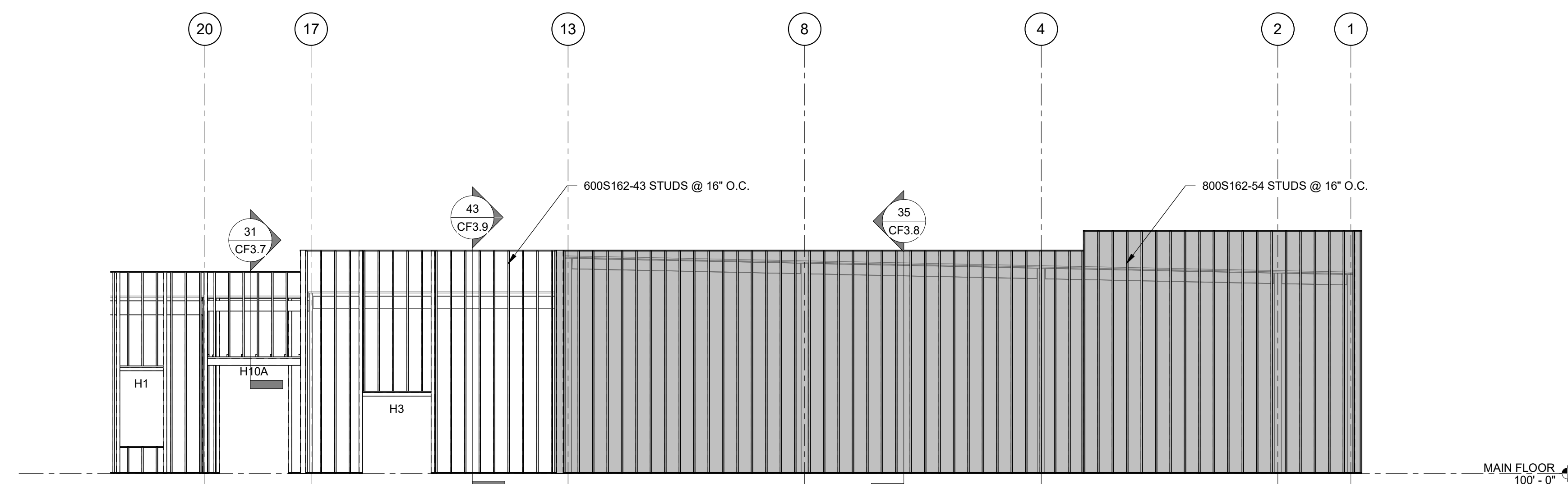
- GENERAL SHEET NOTES:
- HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
 - HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq 1/2"$: FULL THICKNESS STEEL THICKNESS $> 1/2"$: $1/2"$, U.N.O.
 - COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL 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 $F_y = 50\text{KSI}$
118 MIL (10 GAGE) SHALL BE $F_y = 50\text{KSI}$
 - 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 SPliced, 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.

- GENERAL SHEET NOTES:

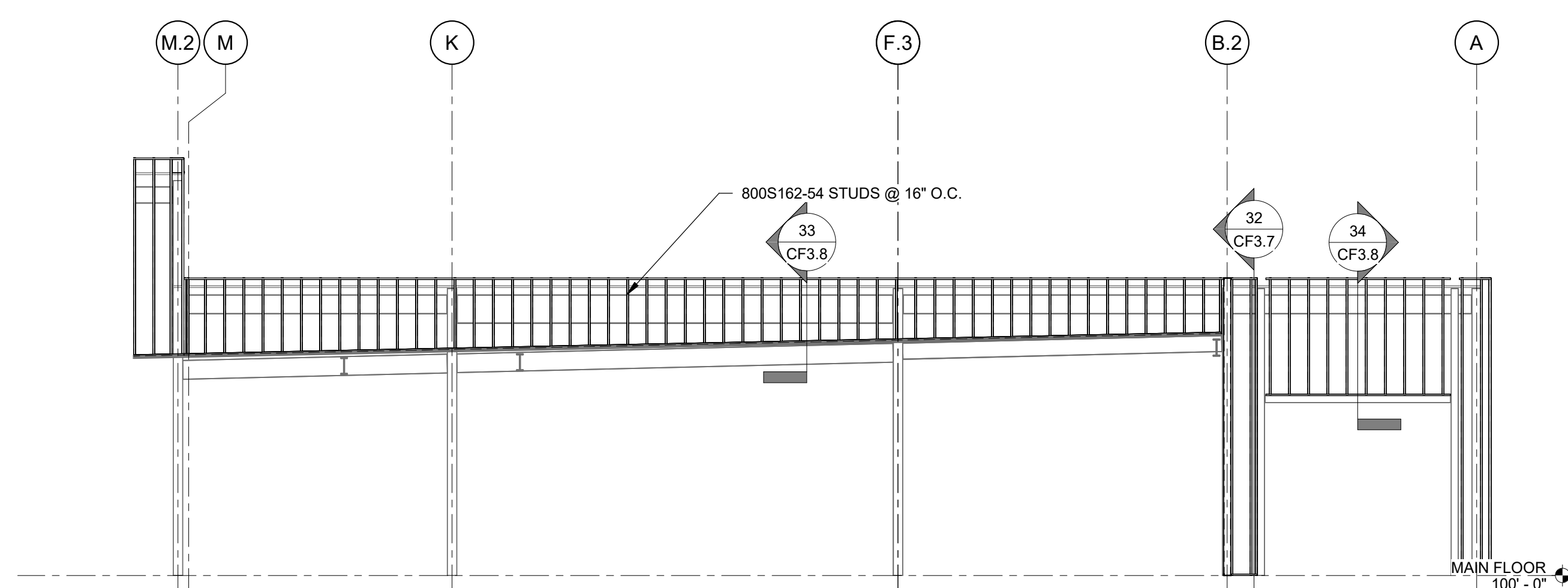
1. MILIT X-150 (1/2" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN. U.N.O.
2. MILIT X-150 (1/2" SHANK DIA.) STEEL MIN. EMBEDMENT:
1.00" MIN. U.N.O.
STEEL THICKNESS $\leq 1/2"$: FULL THICKNESS
STEEL THICKNESS $> 1/2"$: 1/2" U.N.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE Fy = 33KSI
43 MIL (18 GAGE) SHALL BE Fy = 33KSI
50 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 (DO NOT DEFLECT 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 THROUGH w/ (2) #8 SCREWS @ 24" O.C.
7. TRACKS ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH (2) #8 SCREWS U.N.O.



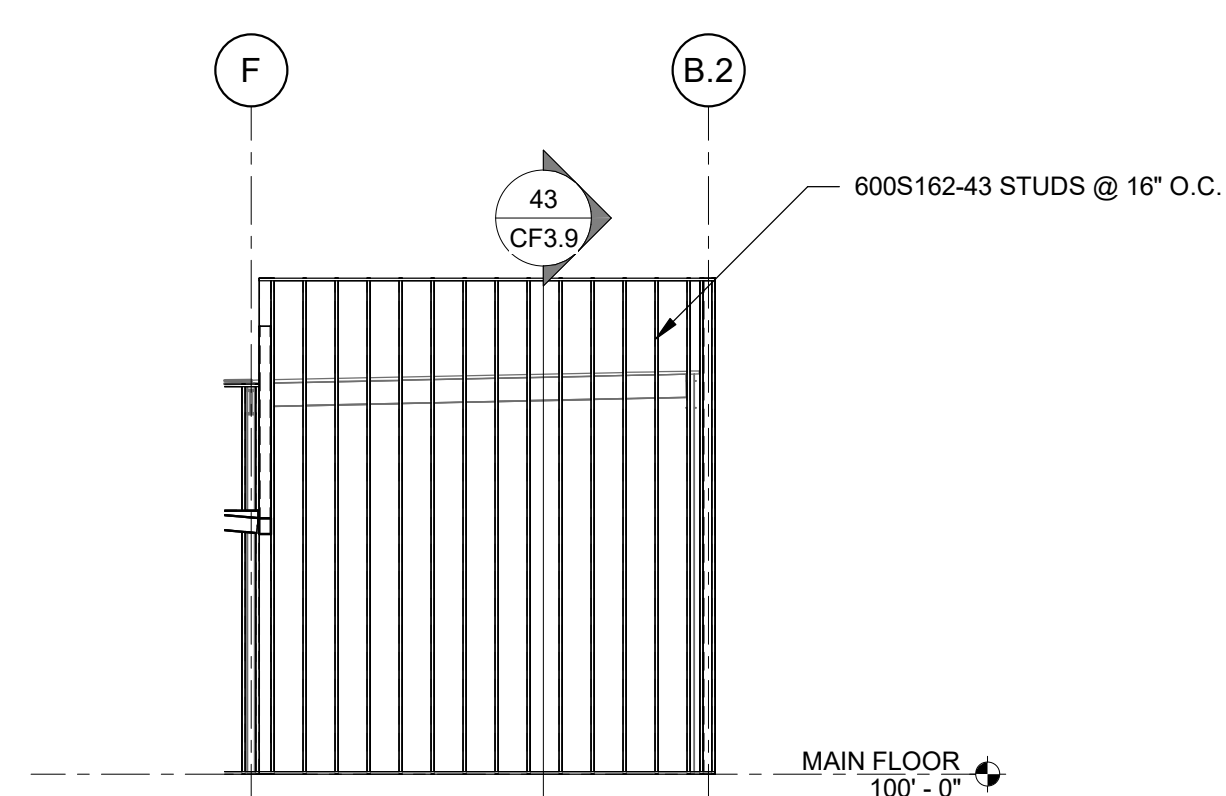
U Area A Corner North Elevation
CF2.2 CF1.0 SCALE: 1/8" = 1'-0"



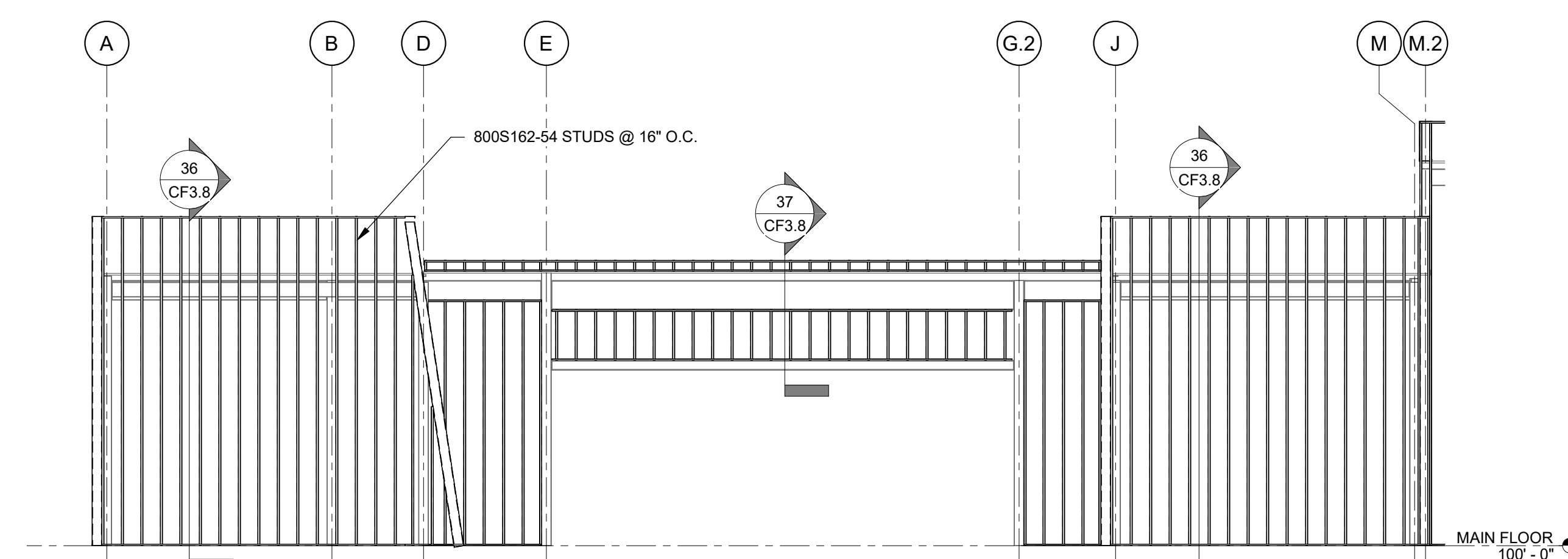
 T Area D West Elevation
CF2.2 CF1.3 SCALE: 1/8" = 1'-0"



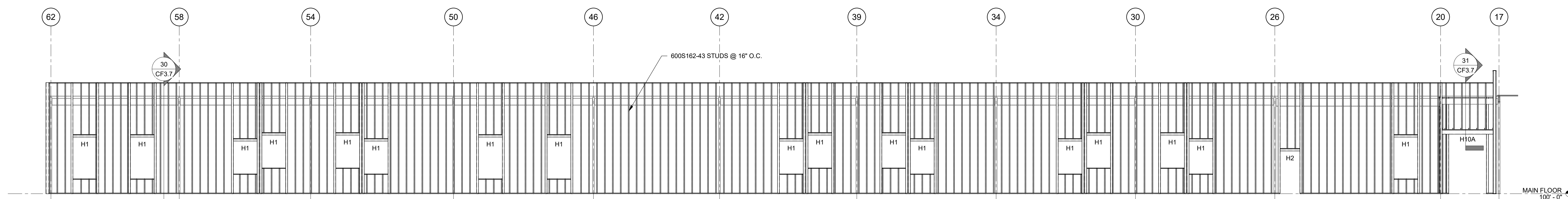
Area D Roof Transition North Elevation



Area D Corner North Elevation



Q Area D South Elevation



Area C West Elevation

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FOR APPROVAL NOT FOR CONSTRUCTION

Elevations

FILE NUMBER :	Project #
DRAWING NUMBER :	CF2.2

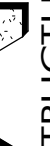
FOR APPROVAL NOT FOR CONSTRUCTION	TITLE: Typical Details	
	FILE NUMBER : Project #	
	DRAWING NUMBER : CF3.0	
	DATE PLOTTED: 8/19/2026 10:53:42 AM	CHECKER: [ENGINEER]

1. HLTI XU (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN. U.N.O.
2. HLTI XU (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT:
1.00" MIN. U.N.O.
STEEL THICKNESS $\leq 12"$; 1/2" PLATE THICKNESS
STEEL THICKNESS $> 12"$; 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
50 MIL (16 GAGE) SHALL BE Fy = 50KSI
68 MIL (14 GAGE) SHALL BE Fy = 50KSI
97 MIL (12 GAGE) SHALL BE Fy = 50KSI
125 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 FLOOR AND CEILING STUD WITH MINIMUM #8 SCREWS U.N.O.



- GENERAL SHEET NOTES:

1. HLT1 XU (0.15" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN. U.N.O.
2. HLT2 XU (0.15" SHANK DIA.) STEEL MIN. EMBEDMENT:
1.00" MIN. U.N.O.
STEEL THICKNESS $\leq 1/2"$: FULL THICKNESS
STEEL THICKNESS $> 1/2"$: 1/2" S.T.O.
3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (2.00% GALL) SHALL BE Fy $\geq$ 33KSI
43 MIL (18% GALL) SHALL BE Fy $\geq$ 43KSI
58 MIL (24% GALL) SHALL BE Fy $\geq$ 58KSI
68 MIL (14% GALL) SHALL BE Fy $\geq$ 68KSI
97 MIL (12% GALL) SHALL BE Fy $\geq$ 50KSI
118 MIL (10% GALL) SHALL BE Fy $\geq$ 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"
7. FRAMES ARE TO BE FASTENED TO BOTH FLANGES OF EACH STUD WITH 2 SCREWS U.N.O.



**STRUCTURAL
ENGINEERING
& DETAILING**

HOFFMAN CONSULTANTS
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Kentwood, Michigan 49512

p. (616) 827.1586
www.hoffmanconsultants.com

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[illegible]

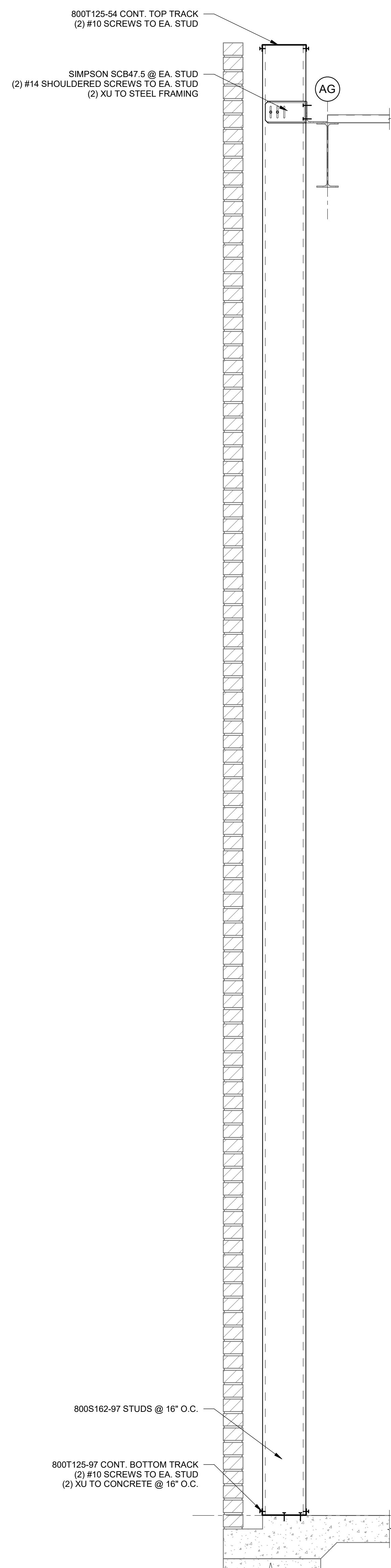
APPROVAL NOT FOR CONSTRUCTION

FILE	Sections
Pro	

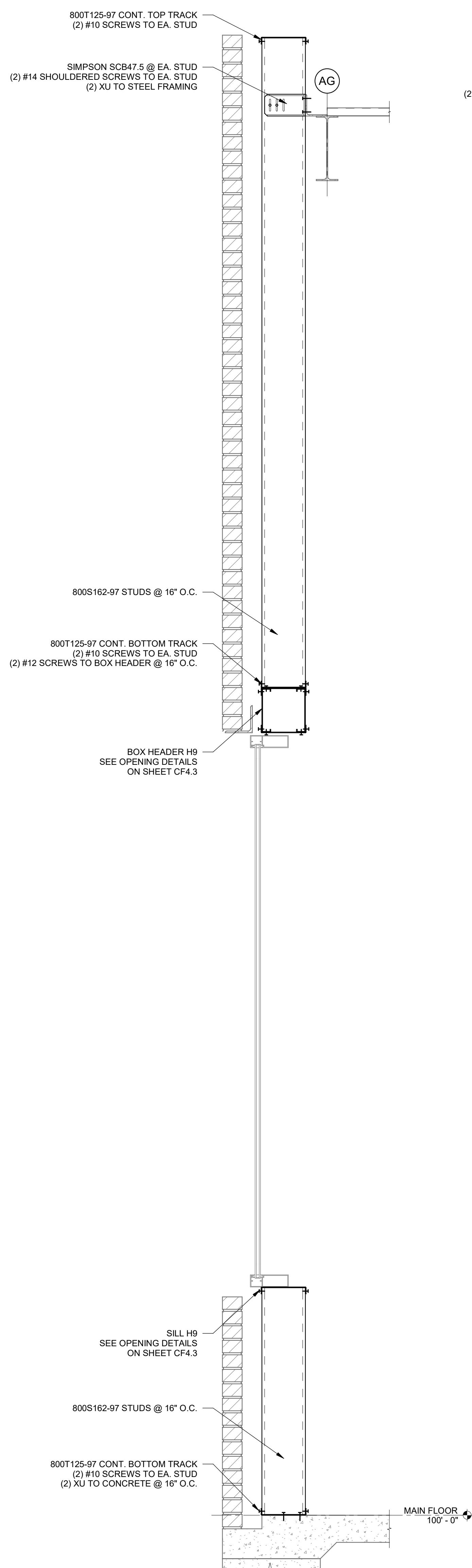
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Project #

CF3.1

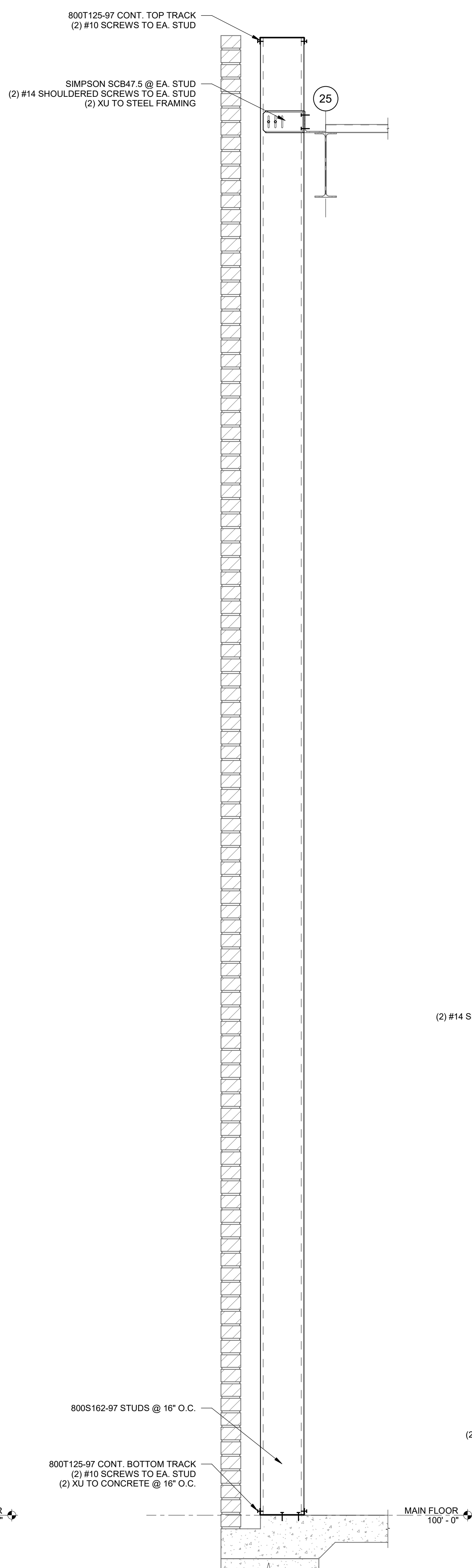
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CHECKER:	



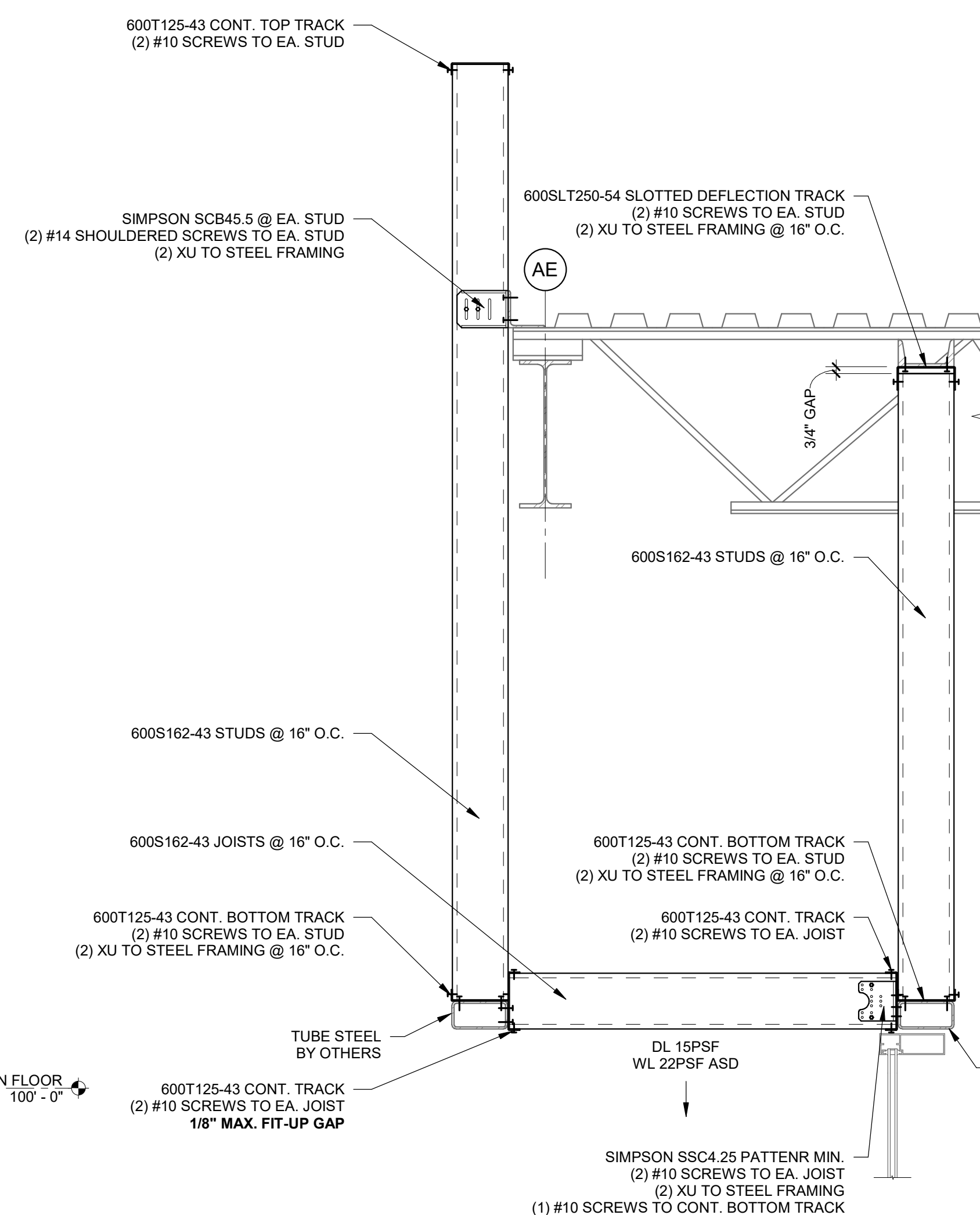
5 Section (Ref. 1/A-309)
CF3.1|CF1.0 SCALE: 1" = 1'-0"



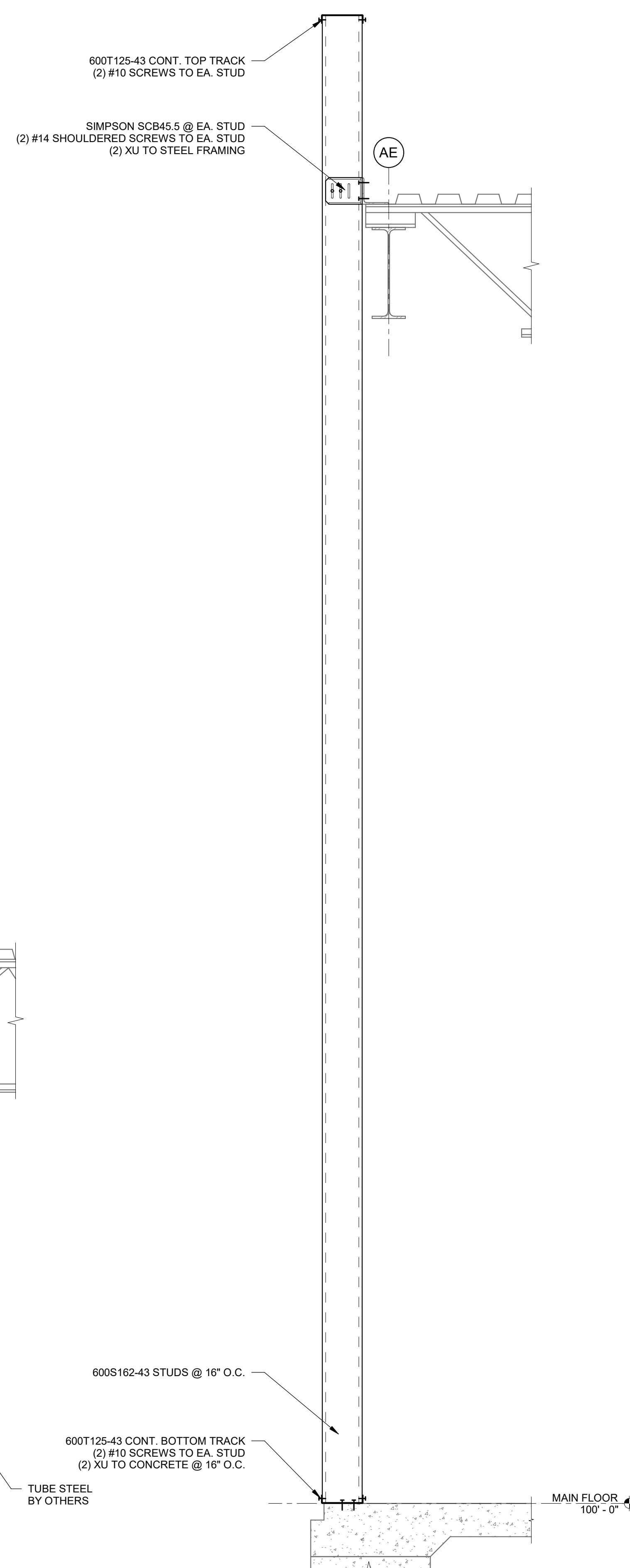
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CF3.1 CF1.0 SCALE: 1" = 1'-0"



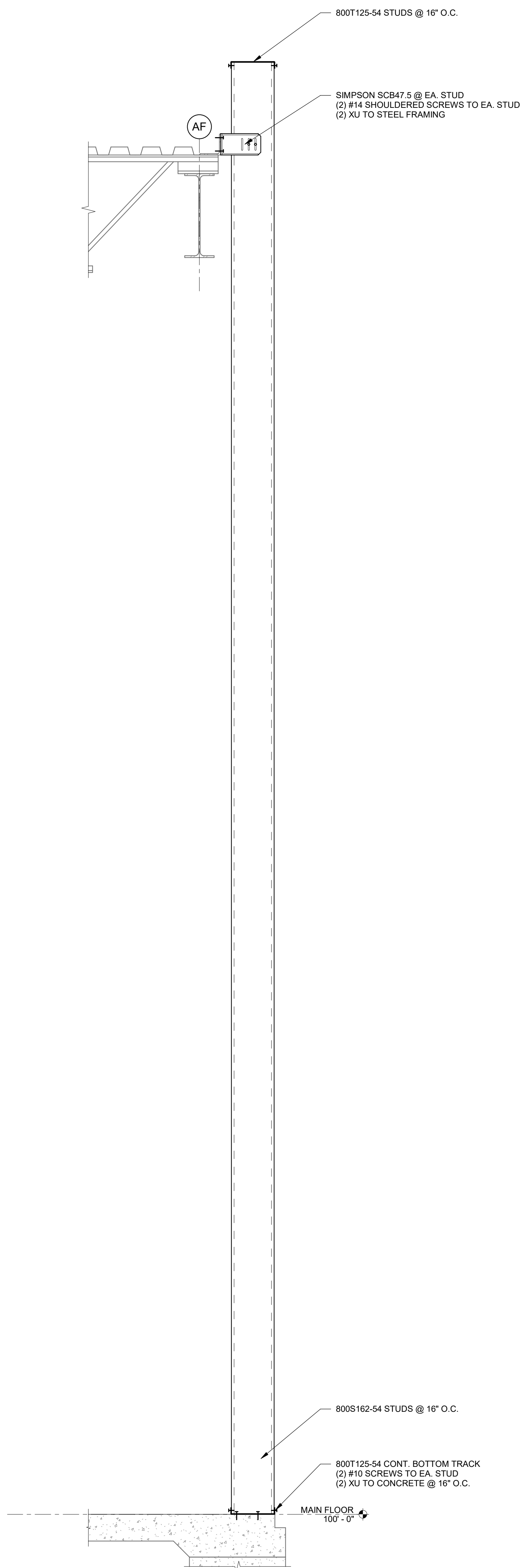
3 Section @ Full Height Wall (Ref. 4/A-309)
CF3.1/CF1.0 SCALE: 1" = 1'-0"



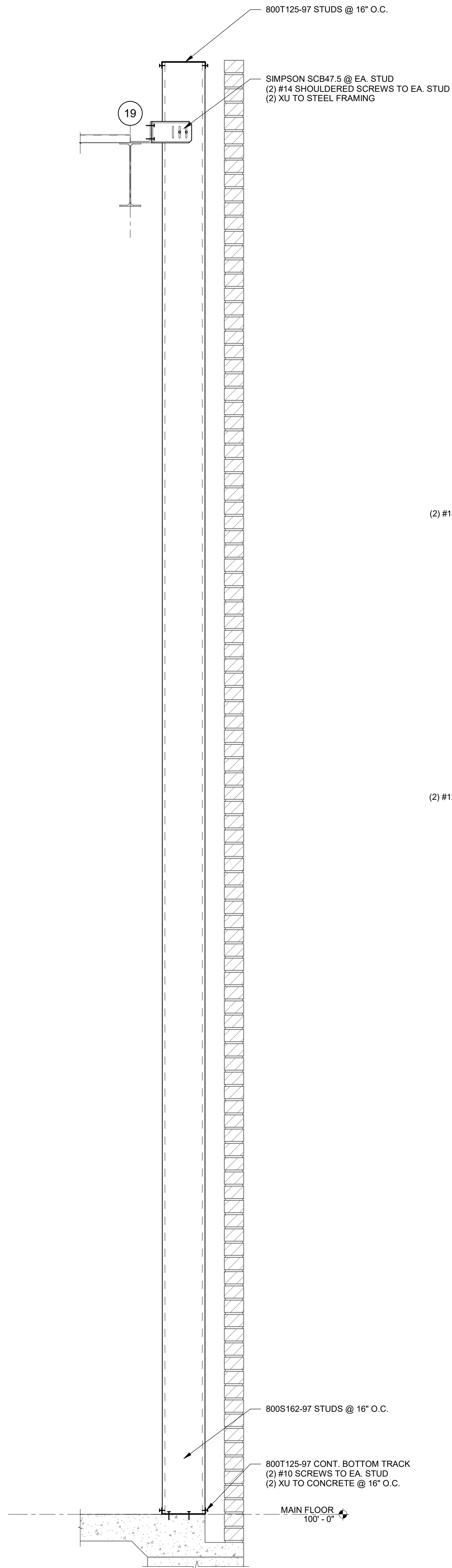
2 Section (Ref. 3/A-306)
CF3.1 | CF1.0 SCALE: 1" = 1'-0"



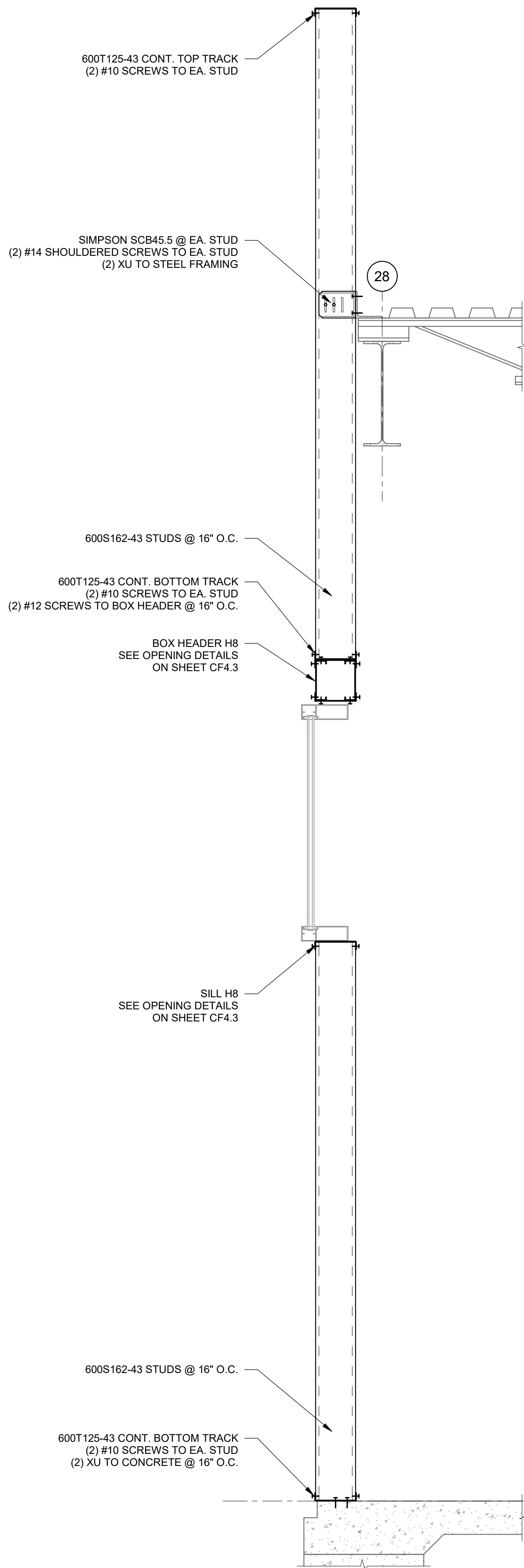
1 Section @ Full Height Wall (Ref. 1/A-306)
CF3.1/CF1.0 SCALE: 1" = 1'-0"



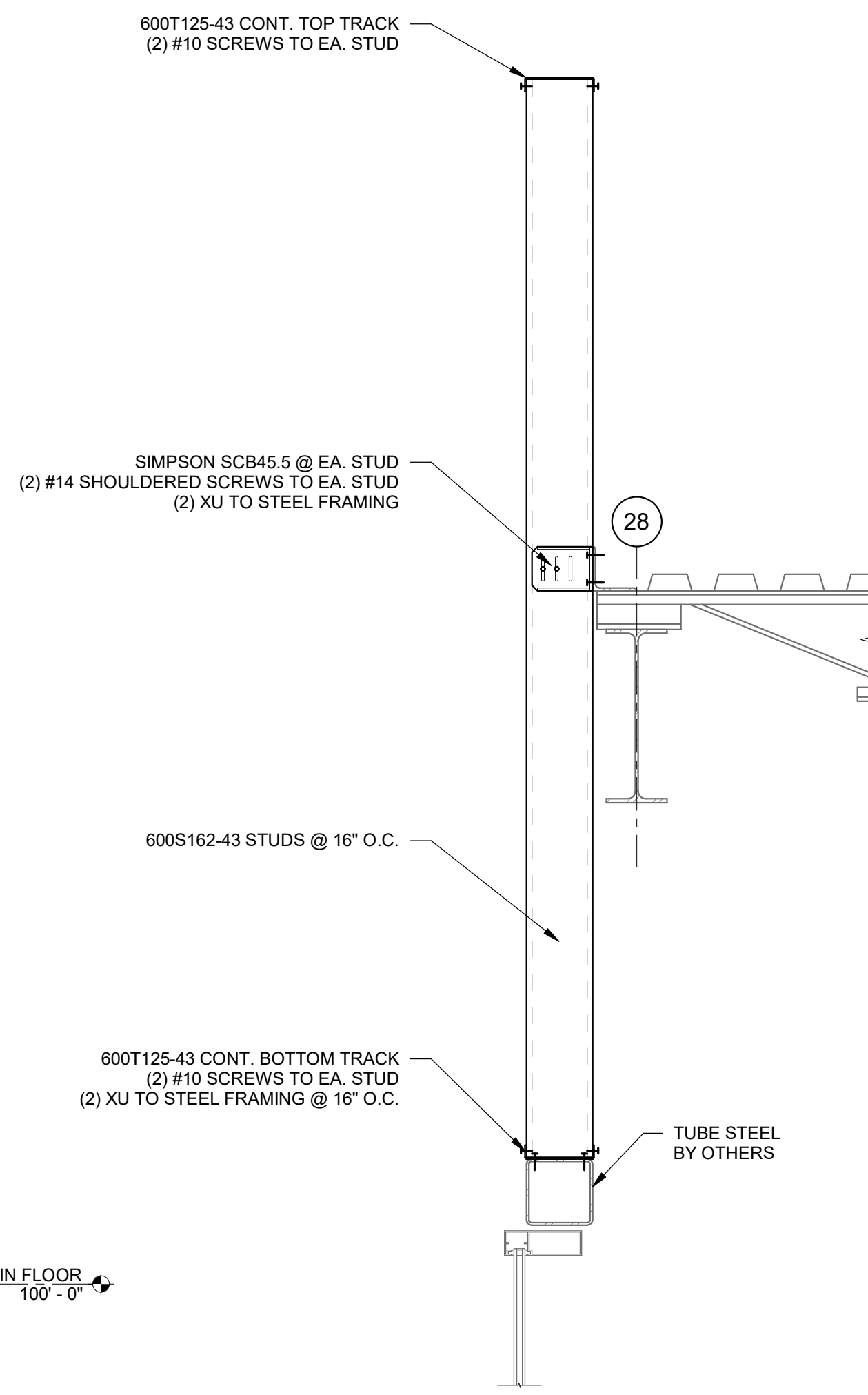
10 Section (Ref. 2/A-317)
CF3.2/CF1 SCALE: 1" = 1'-0"



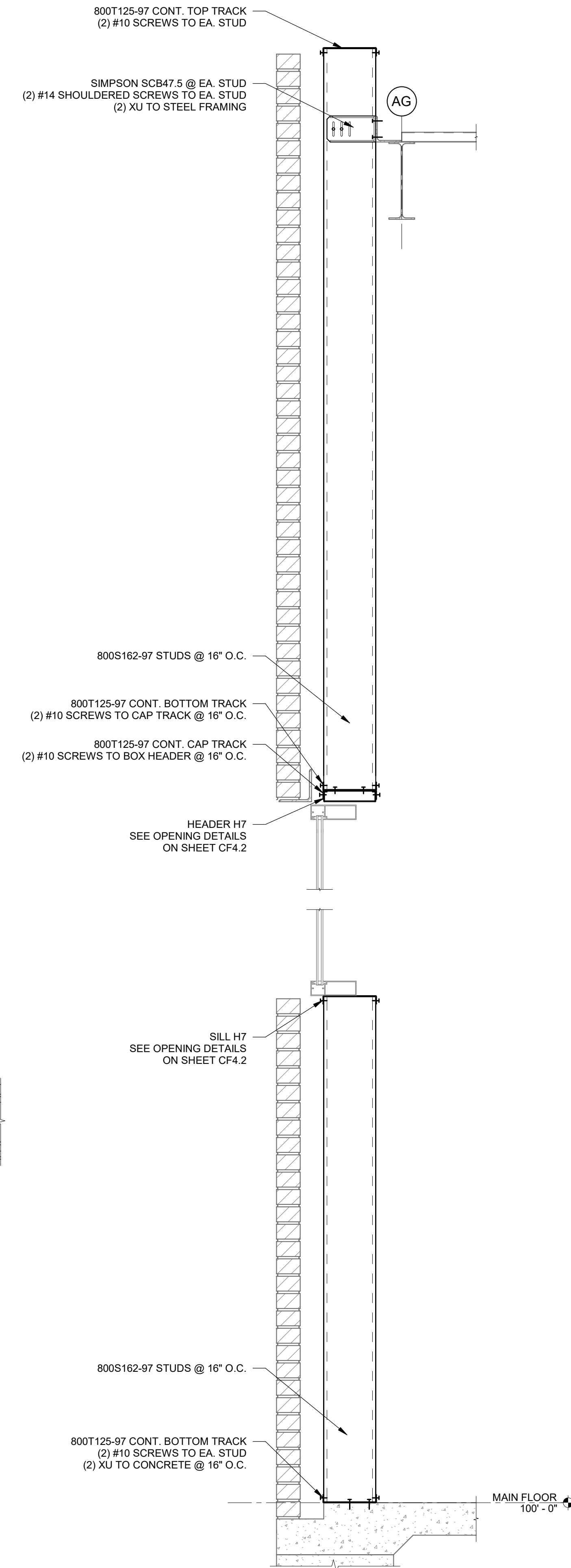
9 Section (Ref. 1/A-319)
CF3.2/CF1 SCALE: 1" = 1'-0"



8 Section (Ref. 1/A-312)
CF3.2/CF1 SCALE: 1" = 1'-0"



7 Section (Ref. 2/A-312)
CF3.2/CF1 SCALE: 1" = 1'-0"



6 Section (Ref. 3/A-309)
CF3.2/CF1 SCALE: 1" = 1'-0"

GENERAL SHEET NOTES:

- HILTI XU (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
- HILTI XU (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 $F_y = 50\text{KSI}$
118 MIL (10 GAGE) SHALL BE $F_y = 50\text{KSI}$
- 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.

Cold Formed Stud Project

DESCRIPTION:

DATE:

SEAL:

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE: Sections

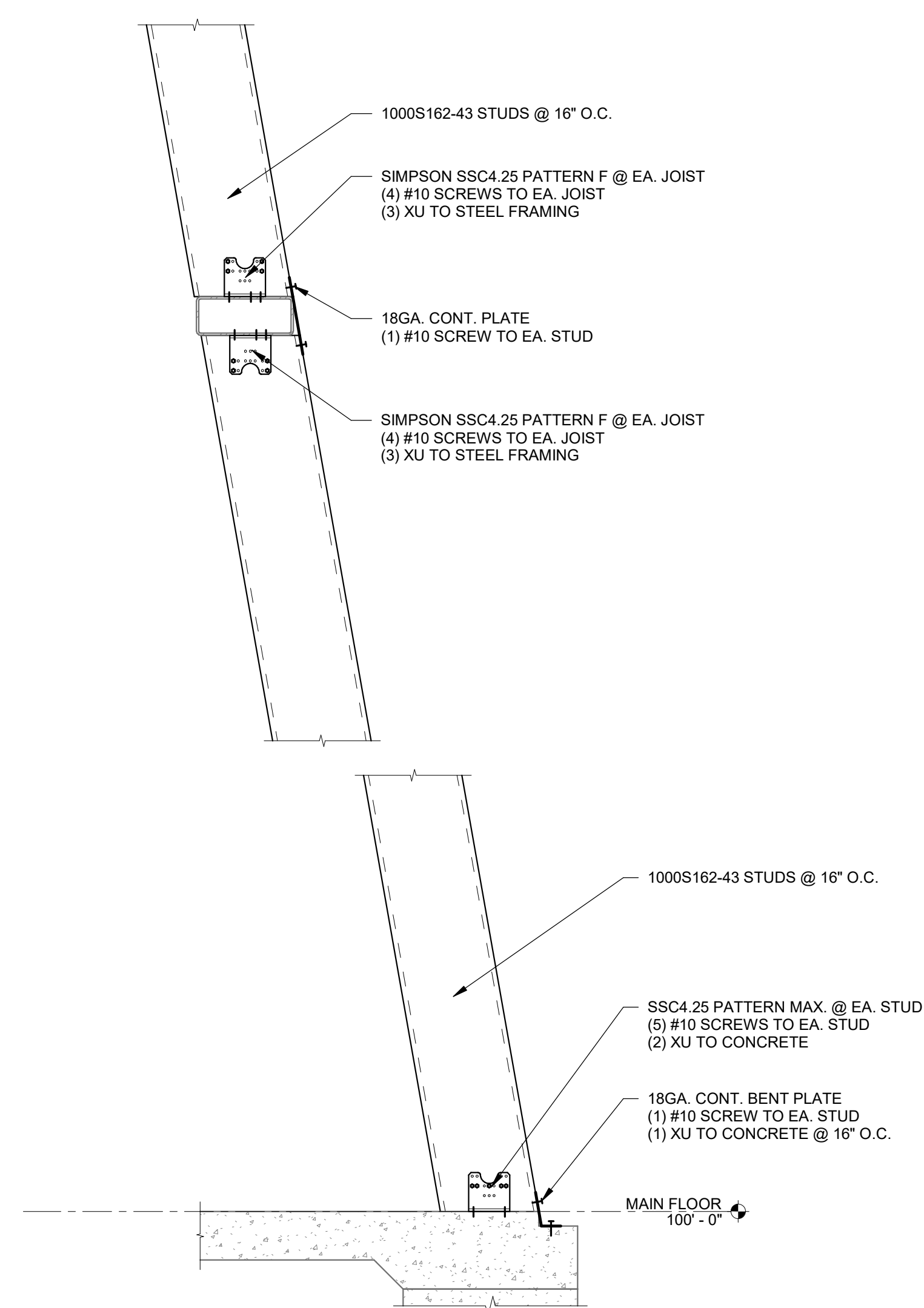
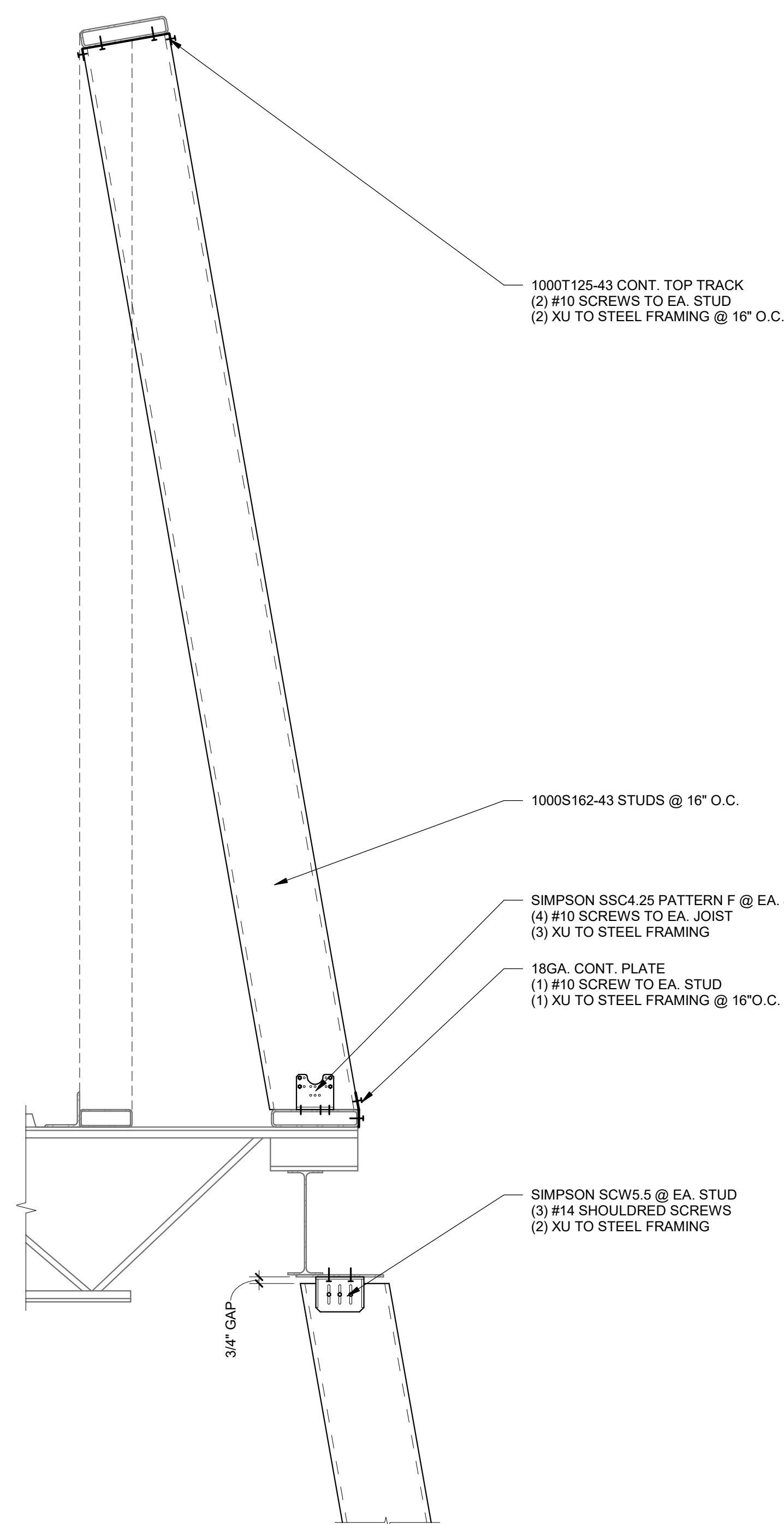
Project #

DRAWING NUMBER: CF3.2

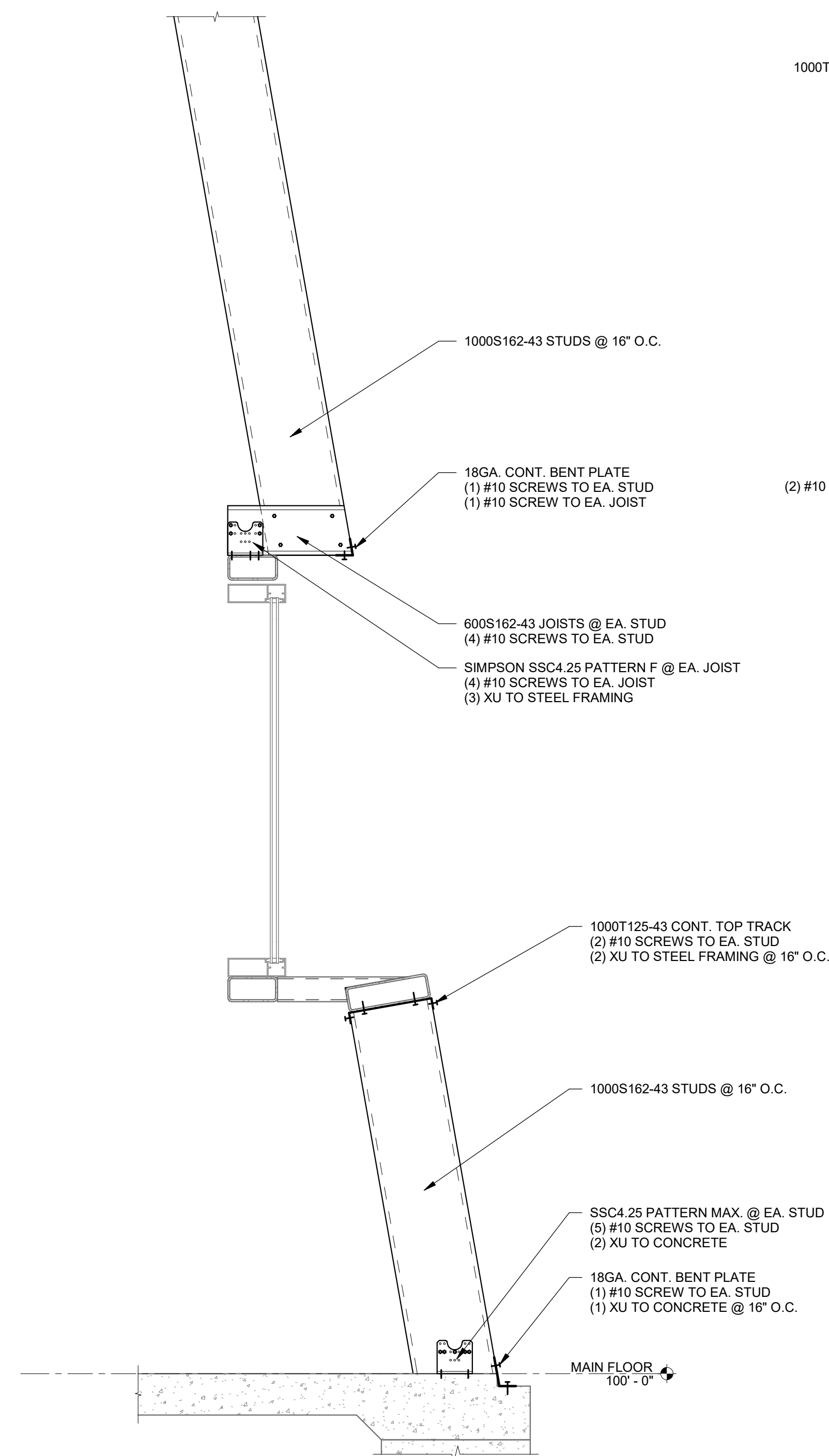
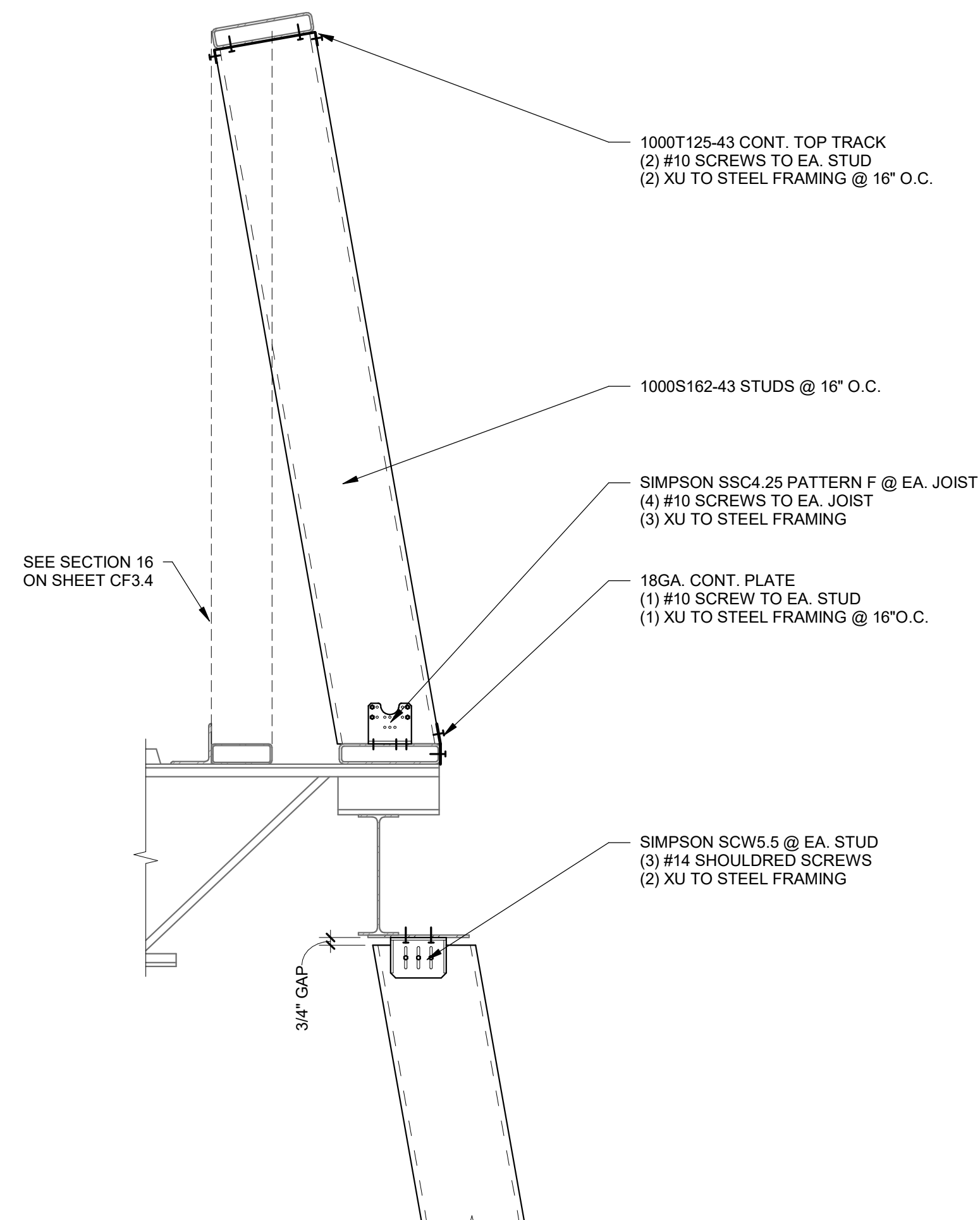
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DATE PLOTTED: 8/19/2025 10:53:42 AM
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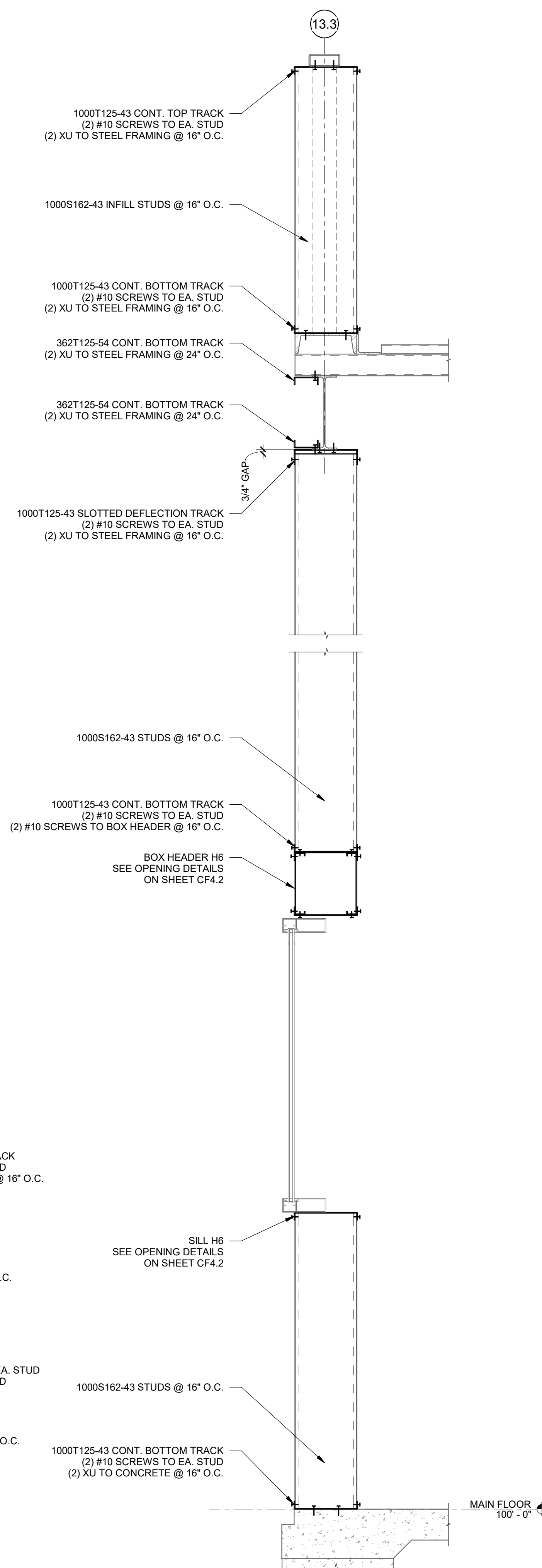
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Kenwood, Michigan 497512
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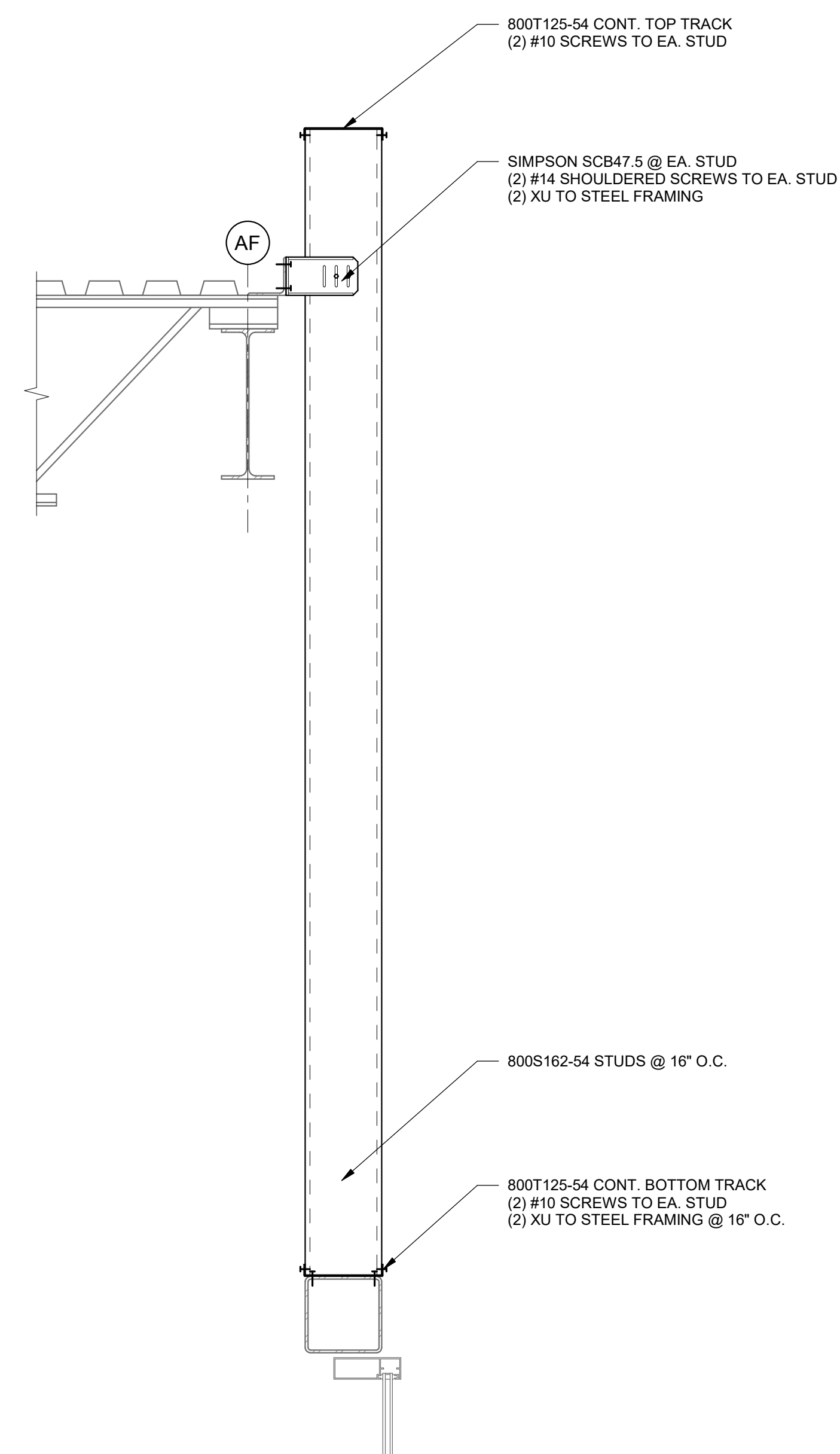
14 Section (Ref. 1/A-311)
CF3.3/CF1.7 SCALE: 1" = 1'-0"



13 Section (Ref. 2/A-316)
CF3.3|CF1.1 SCALE: 1" = 1'-0"

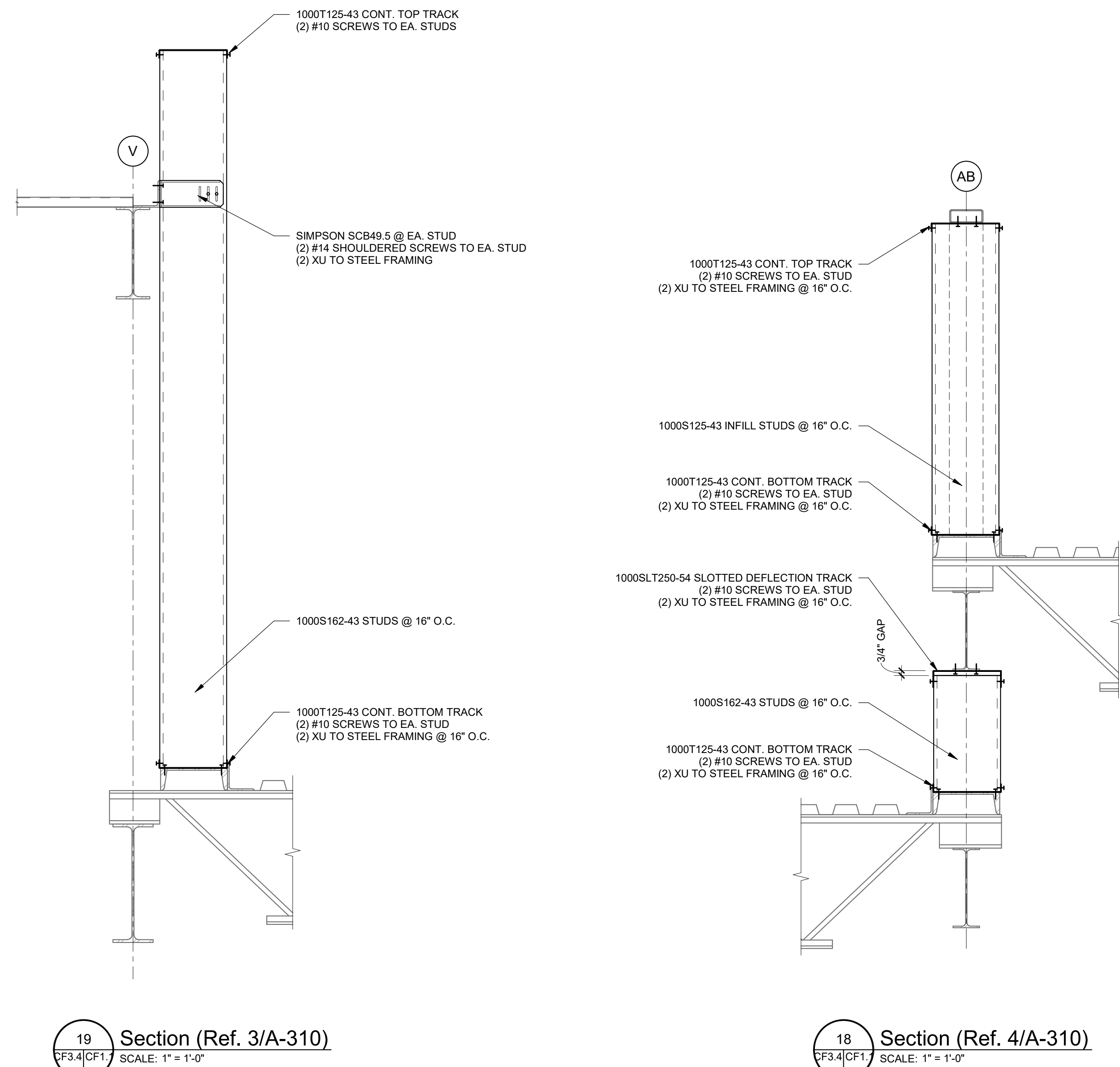
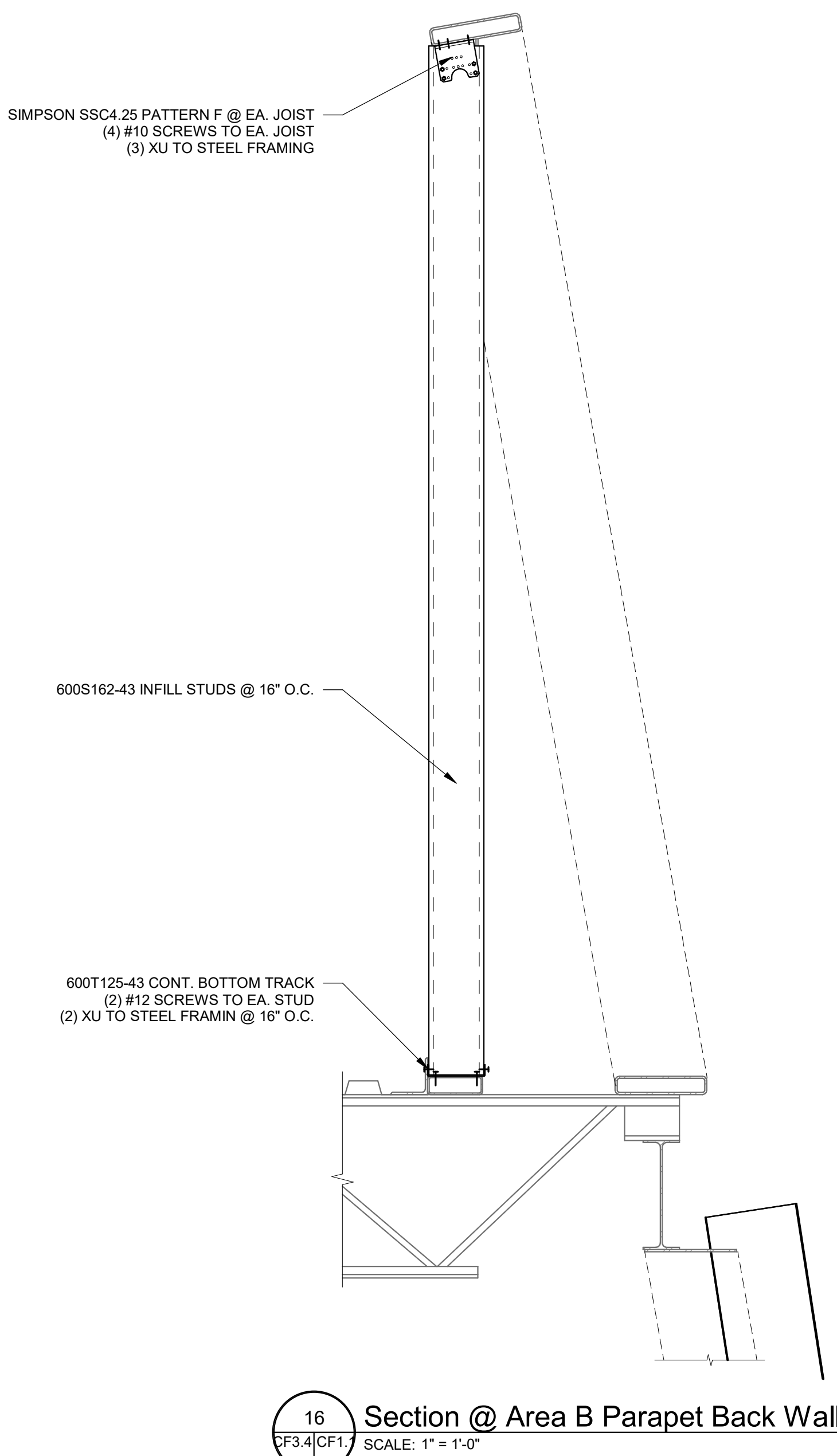


12 Section (Ref. 2/A-319)
CF3.3|CF1.1 SCALE: 1" = 1'-0"

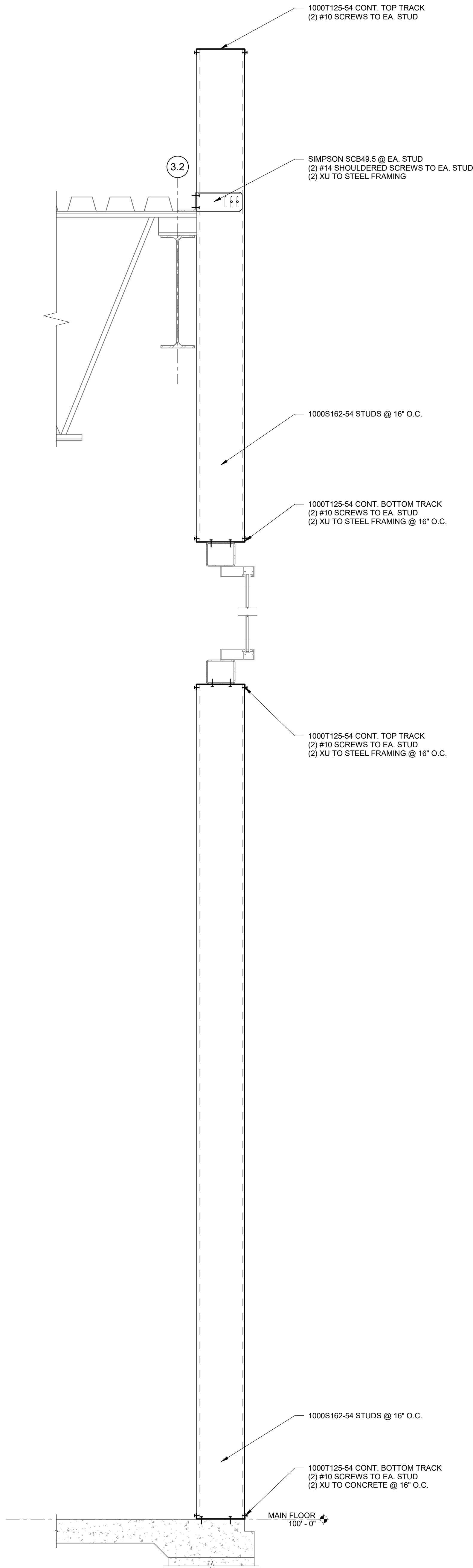


11 Section (Ref. 1/A-317)
CF3.3/CF1.1 SCALE: 1" = 1'-0"

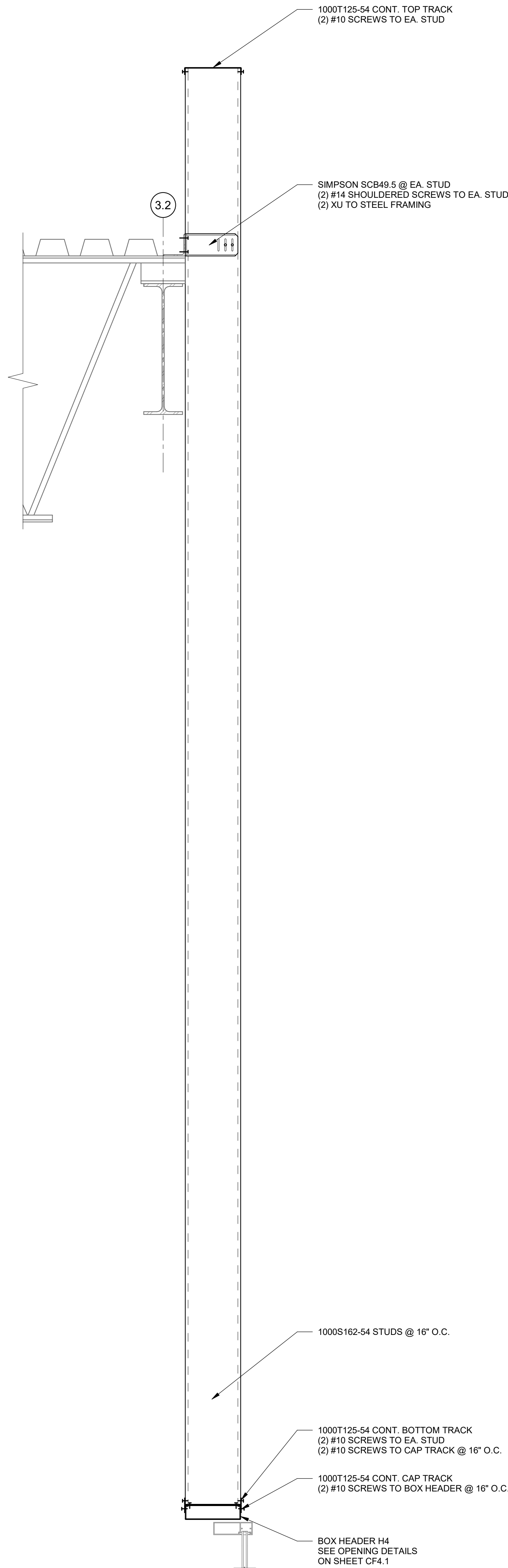
- ### GENERAL SHEET NOTES:
1. HILTI XU (U) 157" SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN. U.N.O.
 2. HILTI XU (U) 157" SHANK DIA.) STEEL MIN. EMBEDMENT:
STEEL THICKNESS < 1/2" : FULL THICKNESS
STEEL THICKNESS > 1/2" : 1/2" U.N.O.
 3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33#MIL (20 GAGE) SHALL BE F-y = 33KSI
40#MIL (18 GAGE) SHALL BE F-y = 40KSI
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. DOUBLE SHEATHING TO STUDS, TOP & BOTTOM TRACKS (NOT DEFLECTION TRACKS) @ 12" O.C. MAX., U.N.O. CONTINUOUS
 5. HEADLE, SILL AND JAMB MEMBERS SHALL BE DOUBLE SIZED, PROUD, U.N.O. CONTINUOUS
 6. DOUBER 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. CONTINUOUS



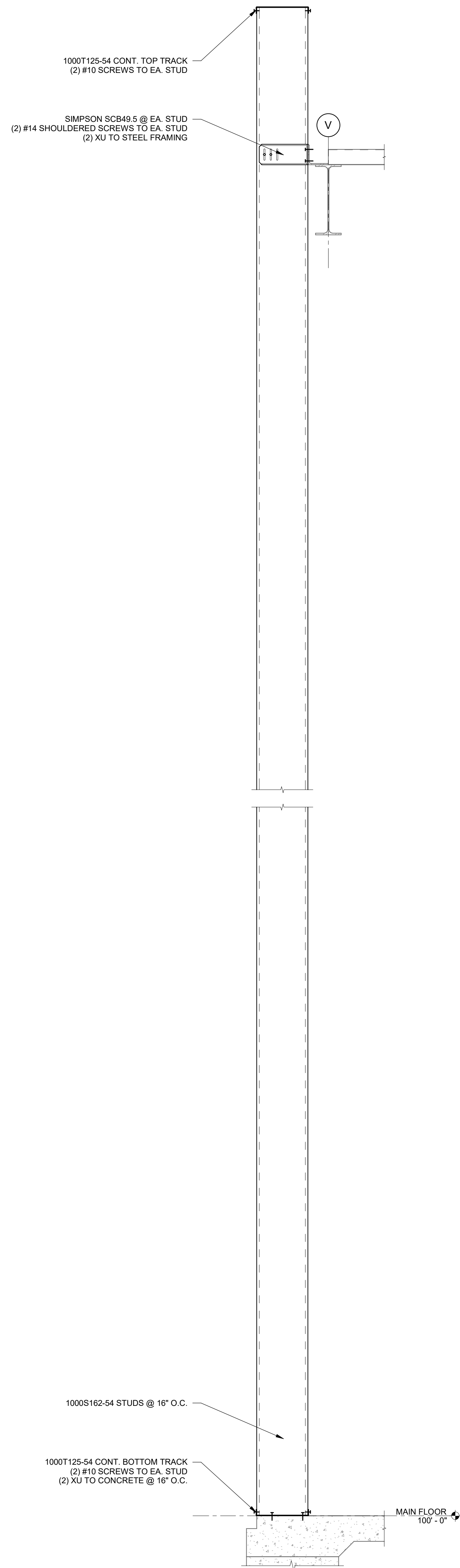
- ### GENERAL SHEET NOTES:
1. HLTI X/1 (0.157 SHANK DIA.) CONCRETE MIN. EMBEDMENT:
1.00" MIN.
 2. HLTI X/1 (0.157 SHANK DIA.) STEEL MIN. EMBEDMENT:
STEEL THICKNESS $\leq 1/2"$: FULL THICKNESS
STEEL THICKNESS $> 1/2"$: 1.0" U.N.O.
 3. COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE F_y = 33KSI
45 MIL (16 GAGE) SHALL BE F_y = 33KSI
54 MIL (16 GAGE) SHALL BE F_y = 50KSI
60 MIL (16 GAGE) SHALL BE F_y = 50KSI
67 MIL (16 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 TO BE CONSIDERED)
 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 TOP & BOTTOM STUD WITH MINIMUM #8 SCREWS U.N.O.



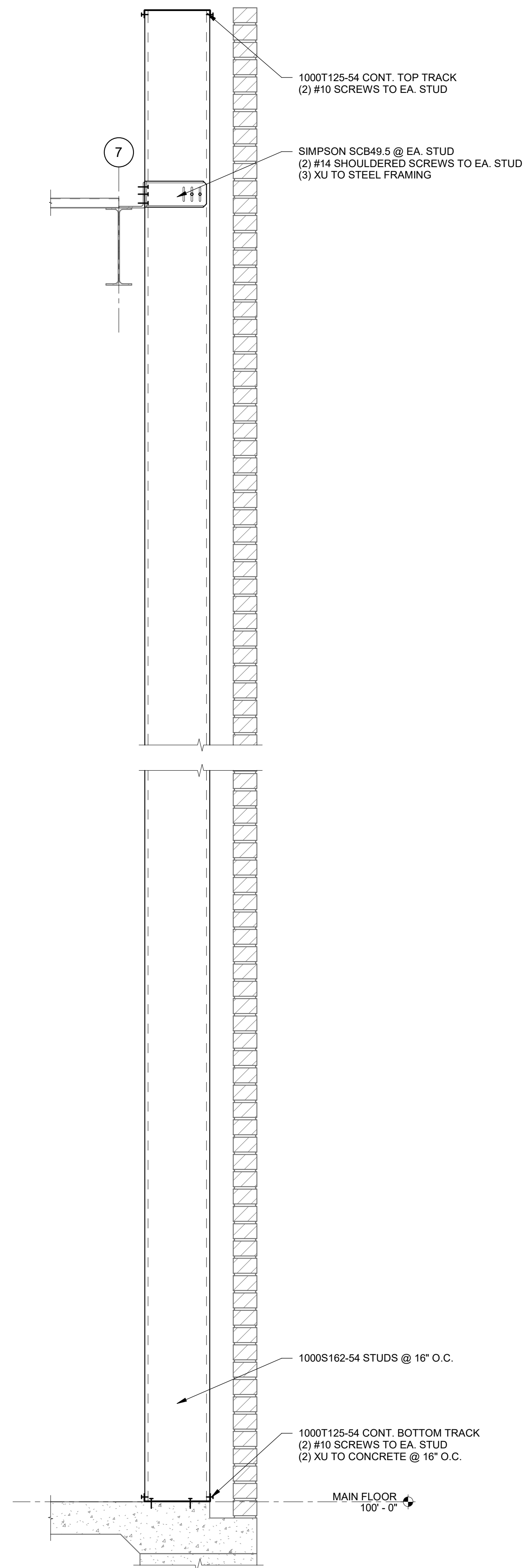
23 Section @ Tube Steel Opening (Ref. 2/A-315)
CF3.5/CF1 SCALE: 1" = 1'-0"



22 Section (Ref. 2/A-315)
CF3.5/CF1 SCALE: 1" = 1'-0"



21 Section (Ref. 1/A-315)
CF3.5/CF1 SCALE: 1" = 1'-0"



20 Section (Ref. 3/A-311)
CF3.5/CF1 SCALE: 1" = 1'-0"

GENERAL SHEET NOTES:

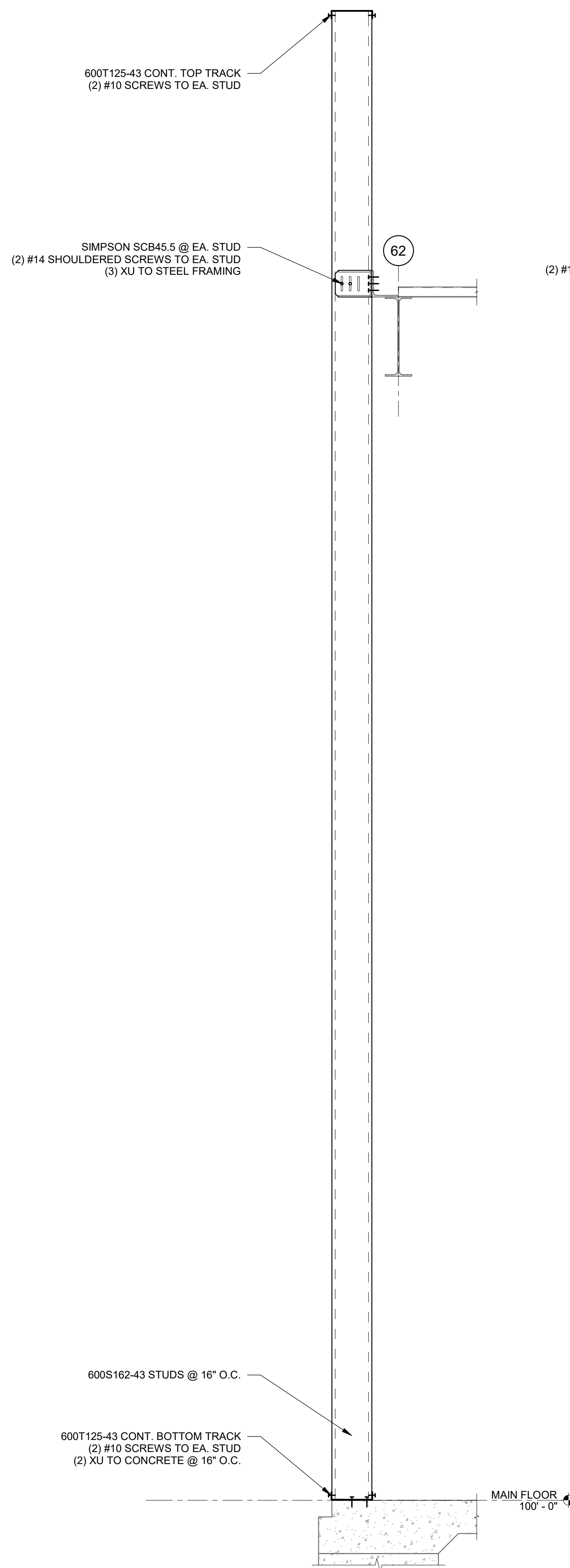
- HILTI X-U (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
- HILTI X-U (0.157" SHANK DIA.) STEEL MIN. EMBEDMENT: STEEL THICKNESS $\leq 1/2"$: FULL THICKNESS STEEL THICKNESS $> 1/2"$: $1/2"$, U.N.O.
- COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE $F_y = 33\text{KSI}$
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 $F_y = 50\text{KSI}$
118 MIL (10 GAGE) SHALL BE $F_y = 50\text{KSI}$
- 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 SPLICED, 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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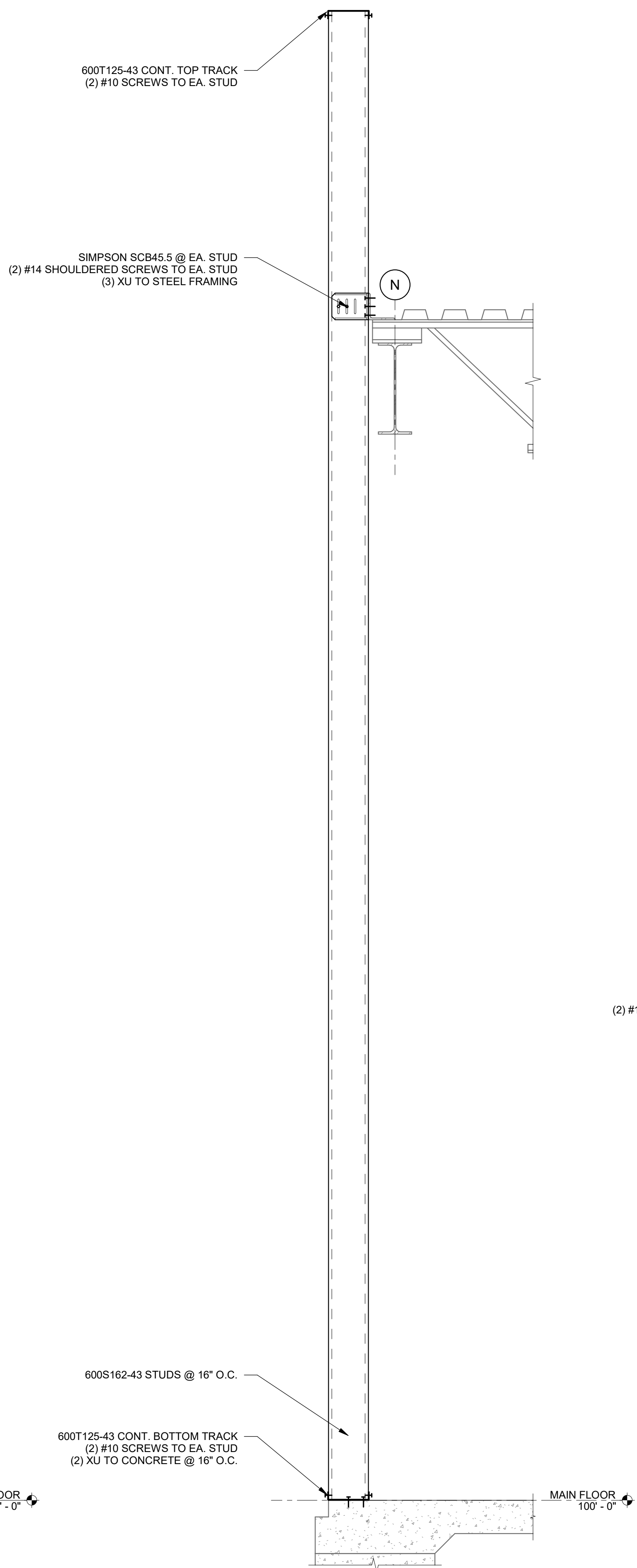
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DATE:	DESCRIPTION:

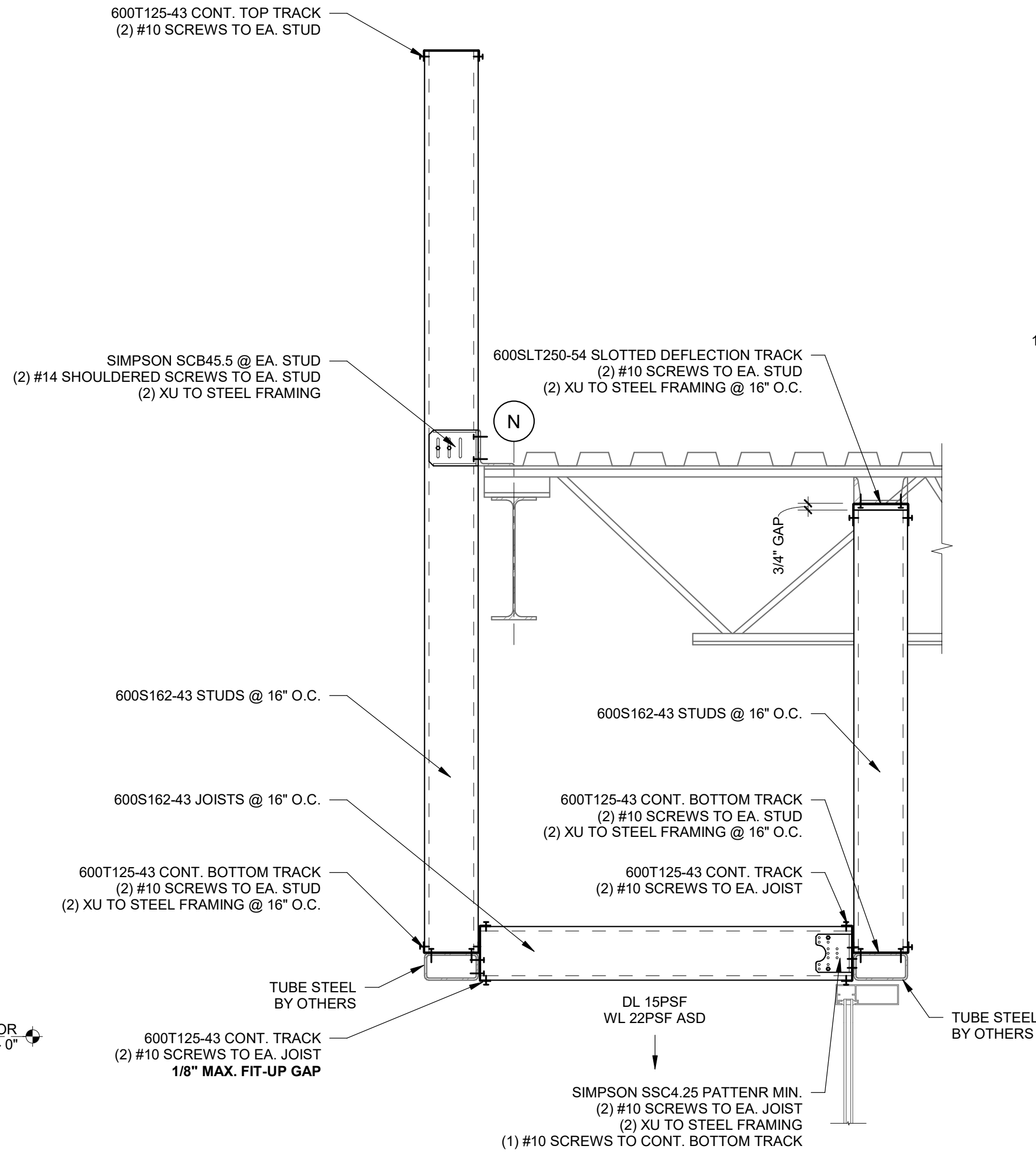
FOR APPROVAL NOT FOR CONSTRUCTION	FILE NUMBER :	ENGINEER
TITLE: Sections	8/19/2026 10:53:43 AM	CHECKER:
DATE PLOTTED:		
DRAWER:		
Project #		
CF3.5		



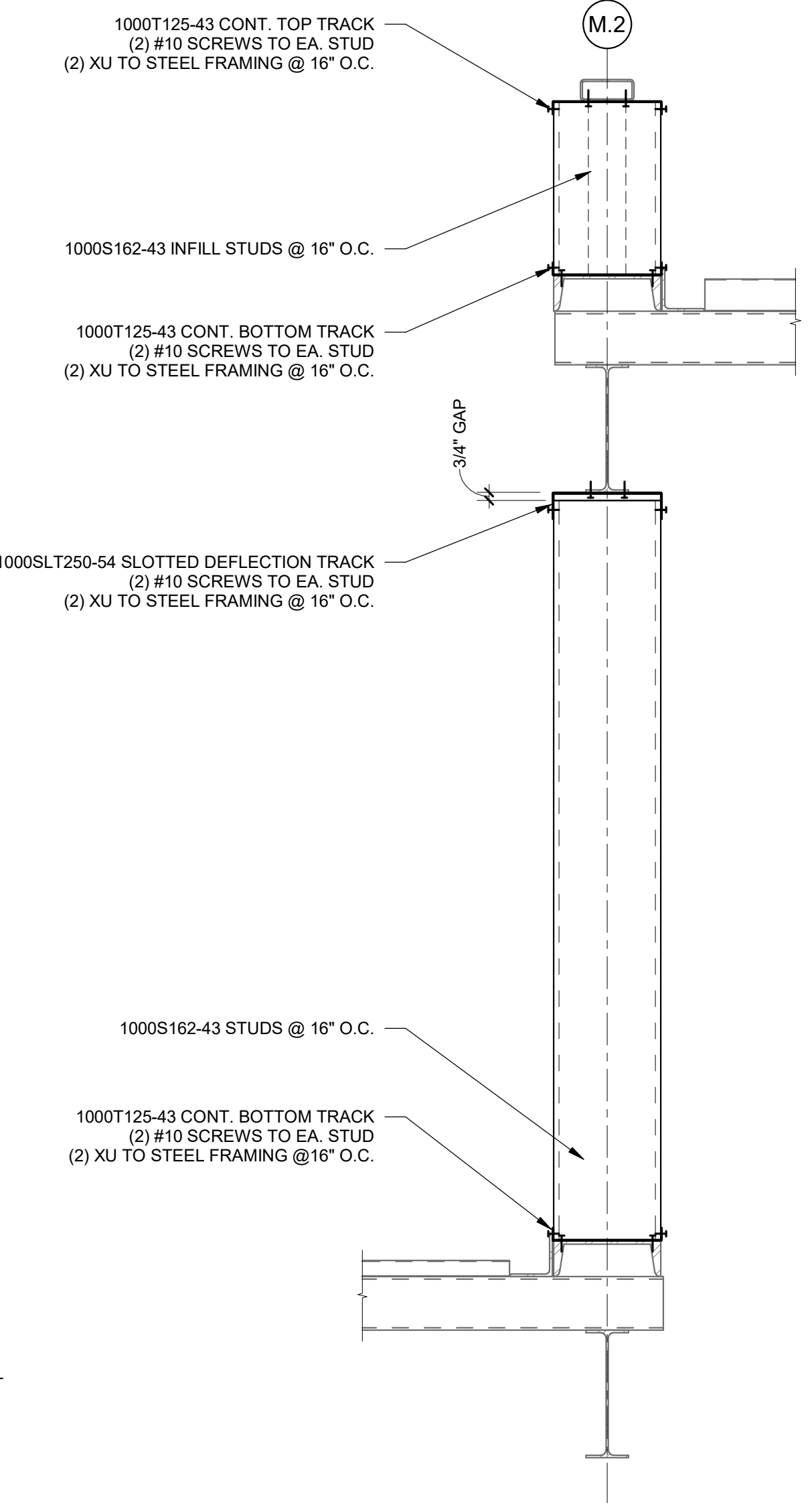
28 Section (Ref. 2/A-306)
CF3.6/CF1.2 SCALE: 1" = 1'-0"



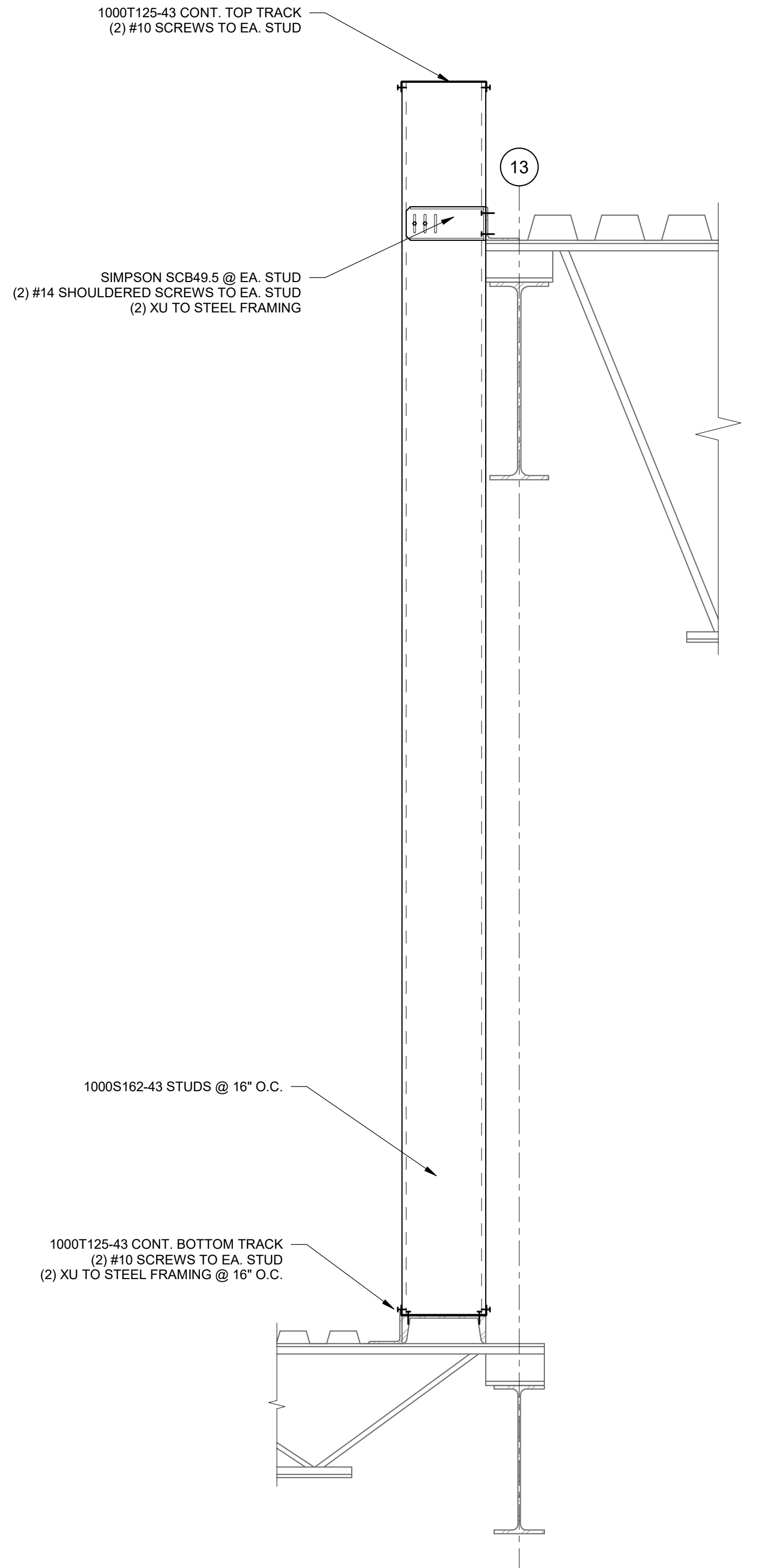
27 Section @ Full Height Wall (Ref. 1/A-307)
CF3.6/CF1.2 SCALE: 1" = 1'-0"



26 Section (Ref. 4/A-306)
CF3.6/CF1.2 SCALE: 1" = 1'-0"



25 Section (Ref. 2/A-318)
CF3.6/CF1.2 SCALE: 1" = 1'-0"



24 Section (Ref. 3/A-312)
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.
 - 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 $F_y = 50\text{KSI}$
118 MIL (10 GAGE) SHALL BE $F_y = 50\text{KSI}$
 - 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 SPLICED, 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: **CF3.6**

DATE: 8/19/2026 10:53:43 AM

CHECKER: **ENGINEER**

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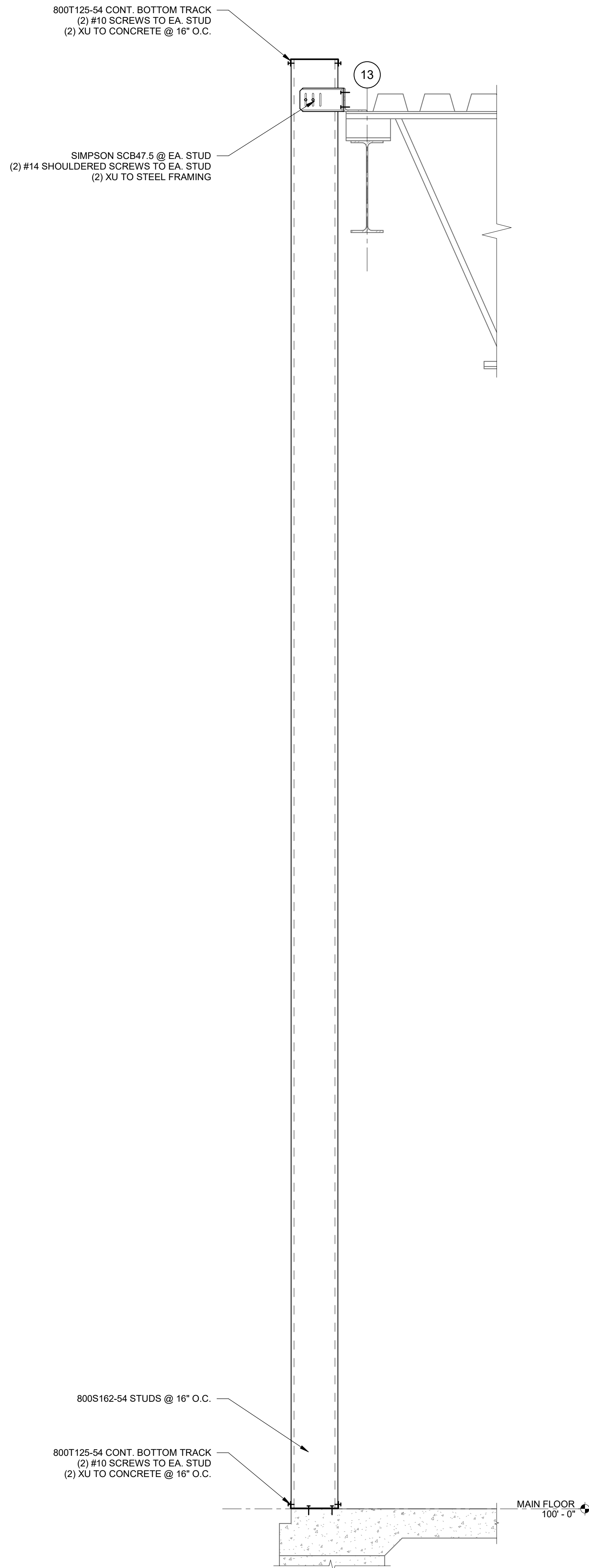
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SEAL:

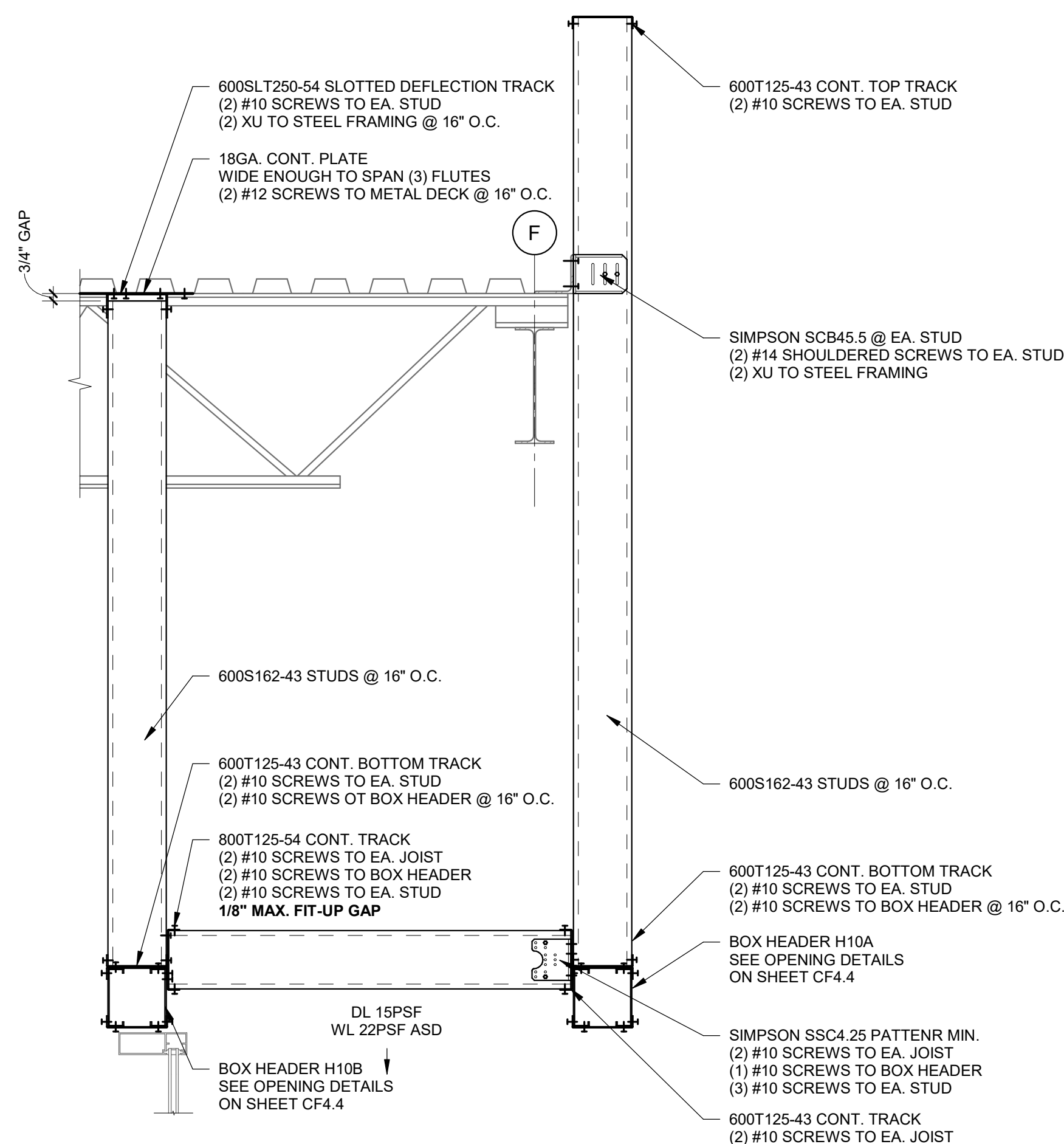
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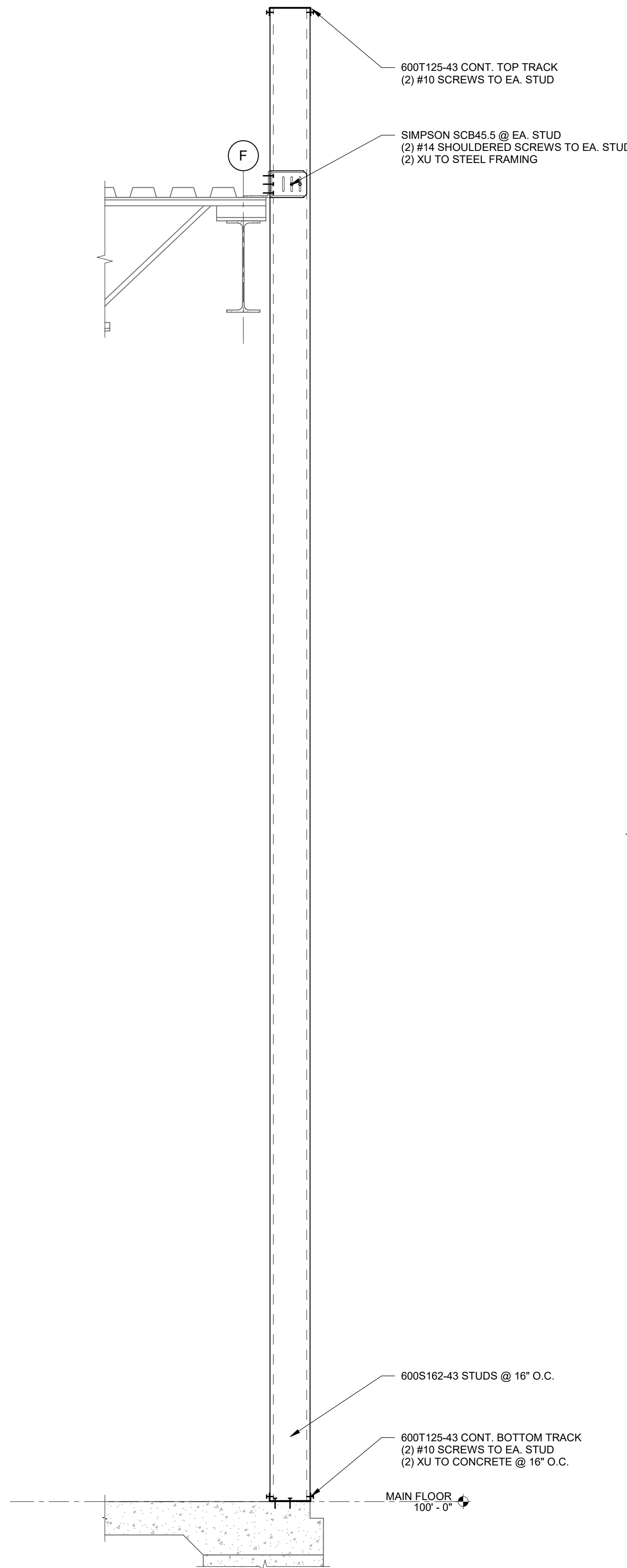
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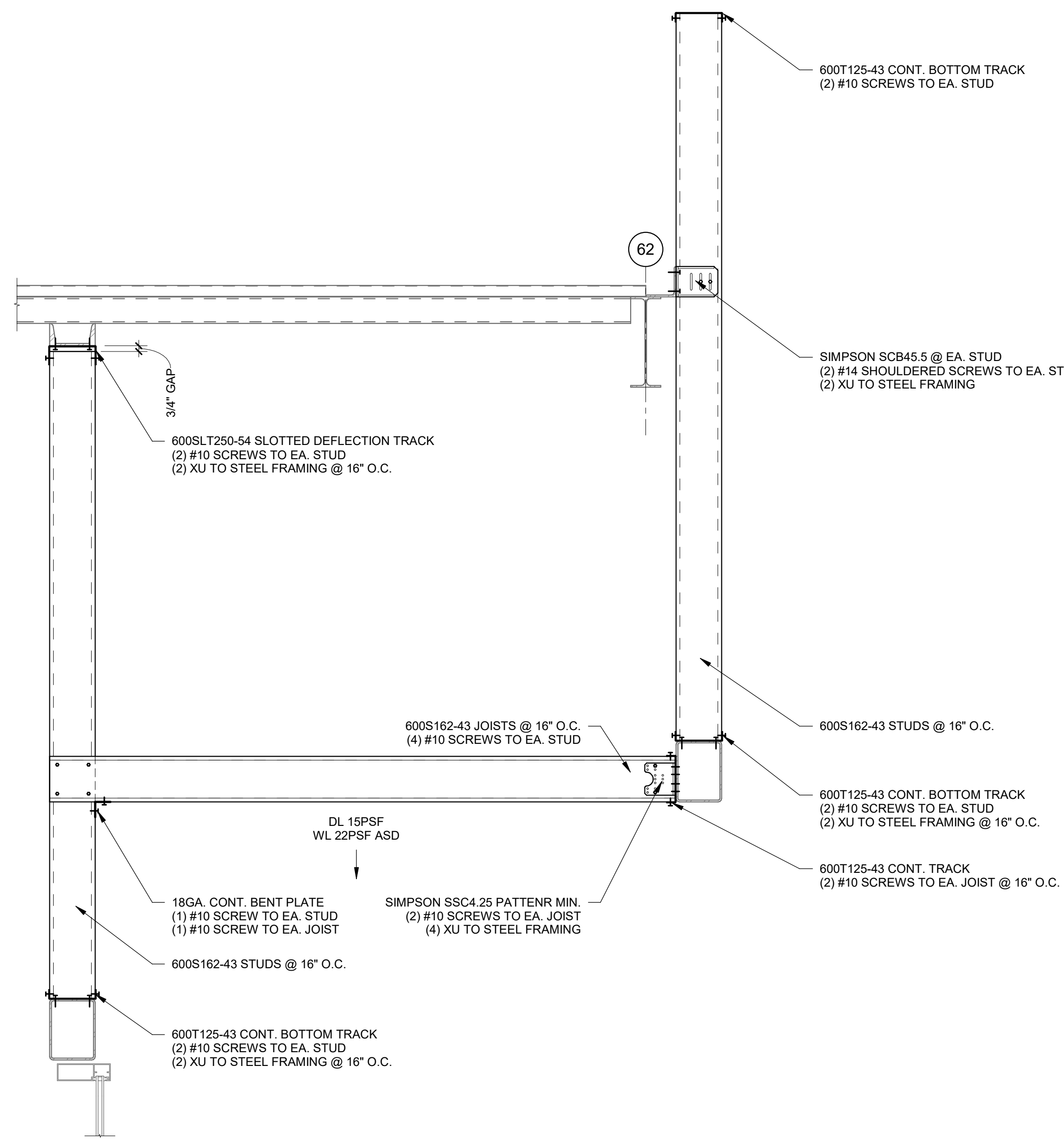
32 Section (Ref. 1/A-314)
SCALE: 1" = 1'-0"



31 Section (Ref. 1/A-316)
SCALE: 1" = 1'-0"



30 Section @ Full Height Wall (Ref. 3/A-307)
SCALE: 1" = 1'-0"



29 Section (Ref. 2/A-307)
SCALE: 1" = 1'-0"

- GENERAL SHEET NOTES:
- HILTI XU (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
 - HILTI XU (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 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
 - 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 SPLICED, 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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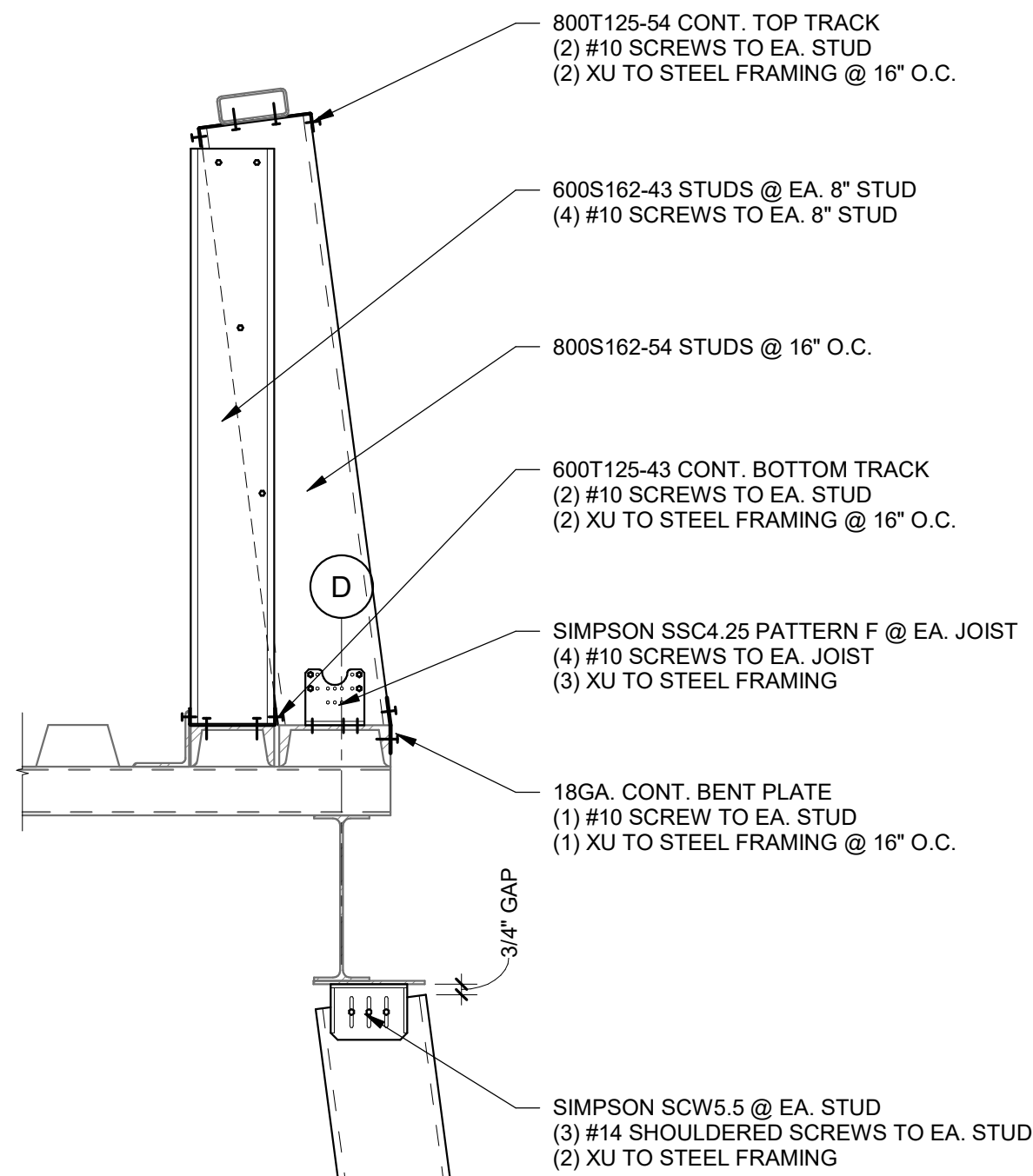
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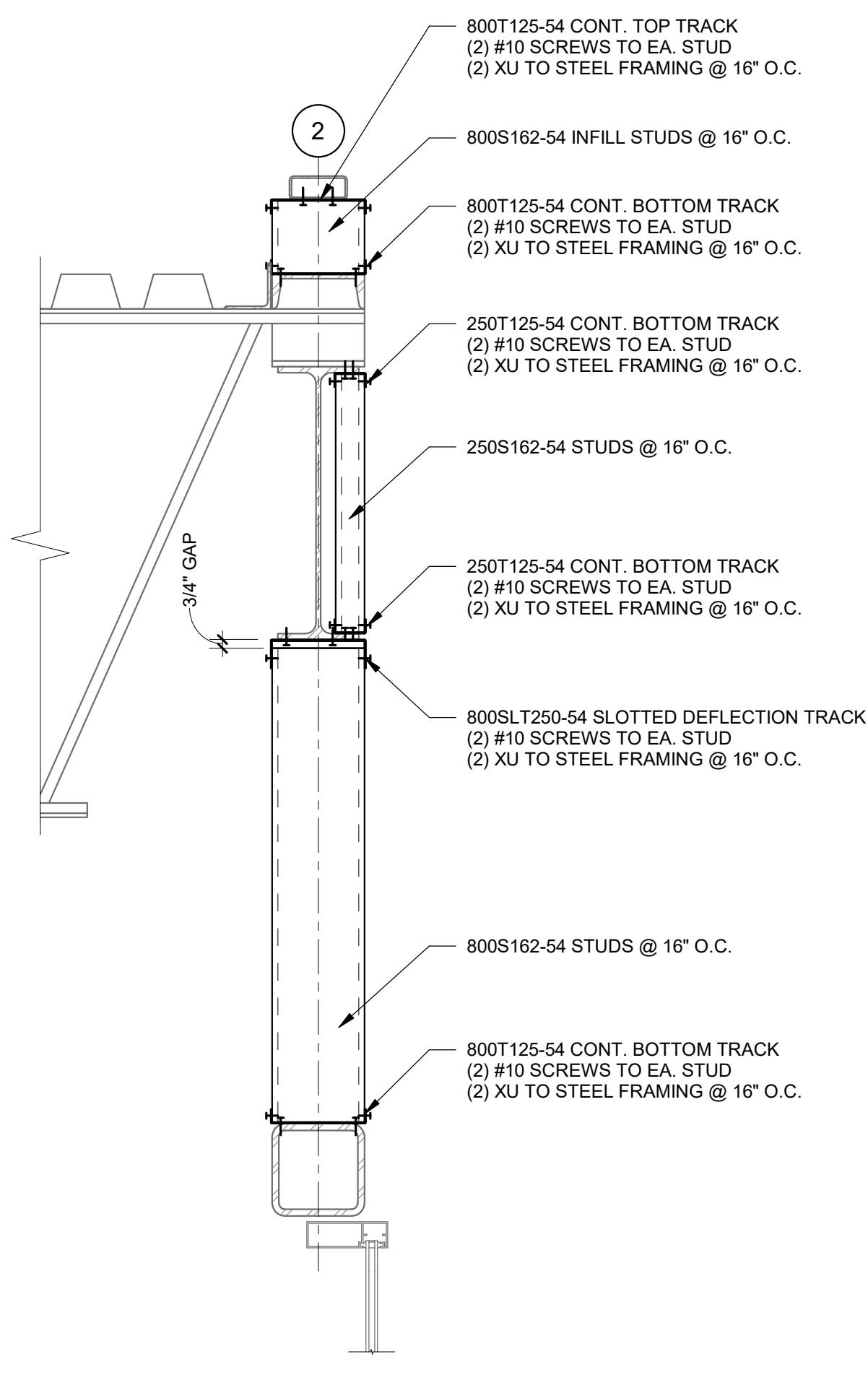
TITLE: Sections

FILE NUMBER: Project #
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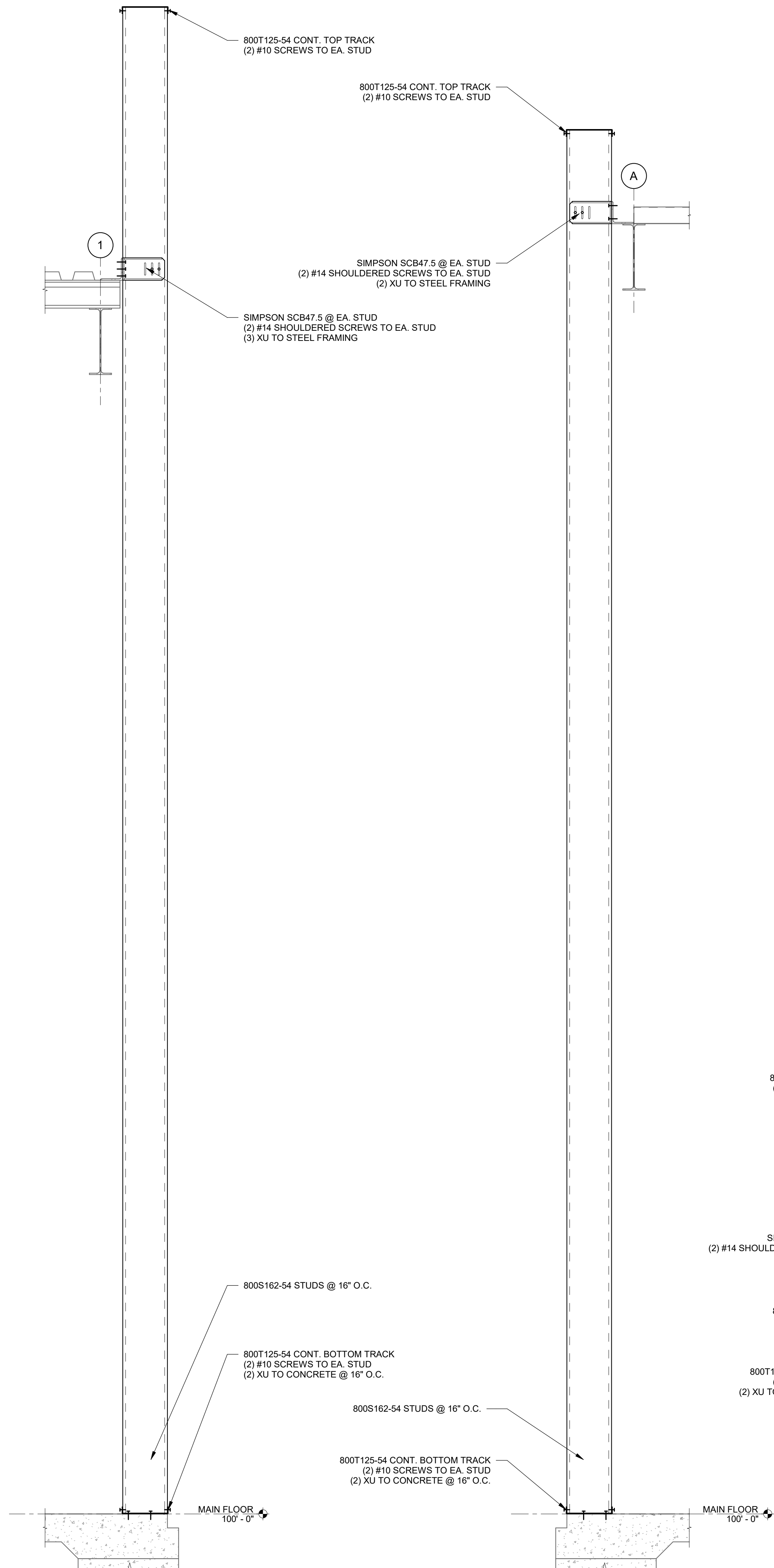
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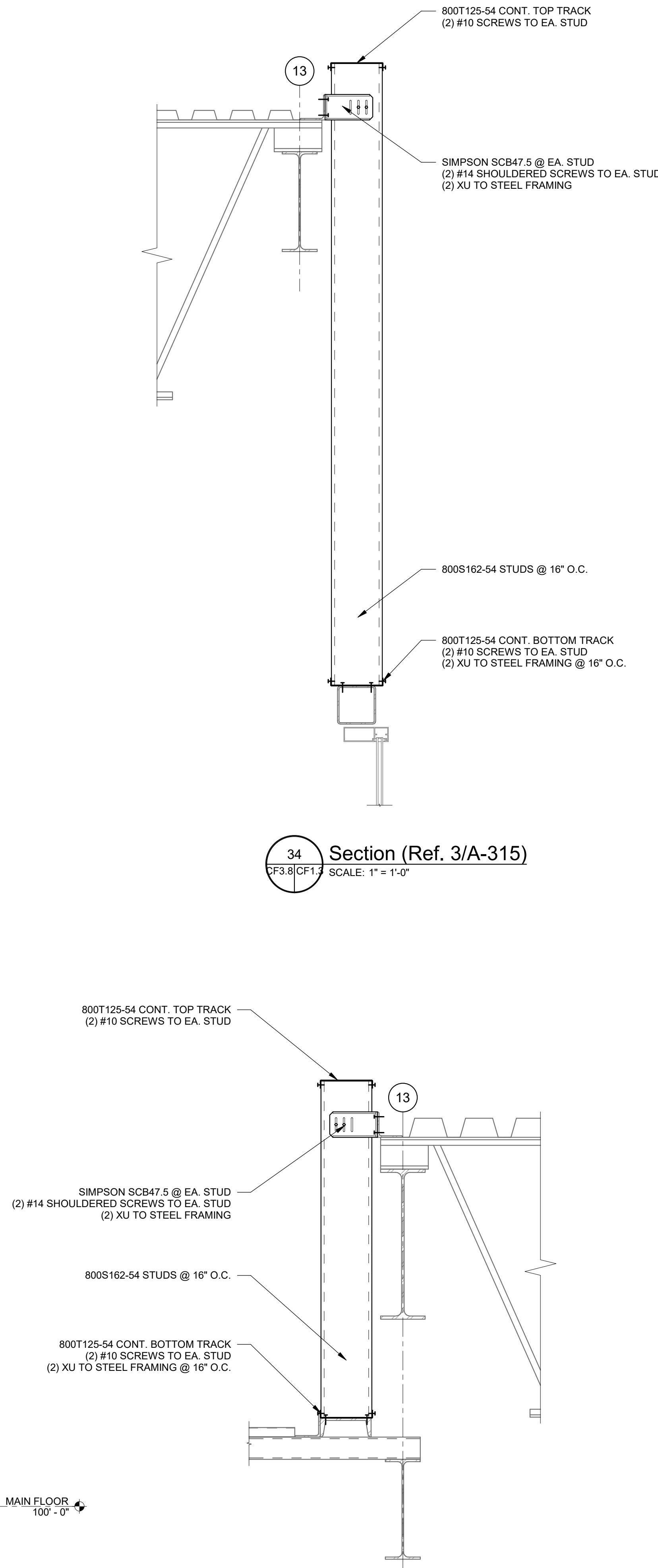
38 Section (Ref. 2/A-313)
SCALE: 1" = 1'-0"



37 Section (Ref. 3/A-314)
SCALE: 1" = 1'-0"



36 Section (Ref. 2/A-314)
SCALE: 1" = 1'-0"



33 Section (Ref. 4/A-314)
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.
 - 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 $F_y = 50\text{KSI}$
118 MIL (10 GAGE) SHALL BE $F_y = 50\text{KSI}$
 - 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 SPLICED, 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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DESCRIPTION:
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TITLE: Sections
Project # CF3.8

DATE PLOTTED: 8/19/2026 10:53:44 AM
DRAWN BY: CHECKER: 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 $\leq$ 1/2": FULL THICKNESS STEEL THICKNESS > 1/2": 1/2", U.N.O.
- COLD FORMED STEEL STRENGTH REQUIREMENTS:
33 MIL (20 GAGE) SHALL BE 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
- 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 SPLICED, 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.

Cold Formed Stud Project

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DATE:
SEAL:

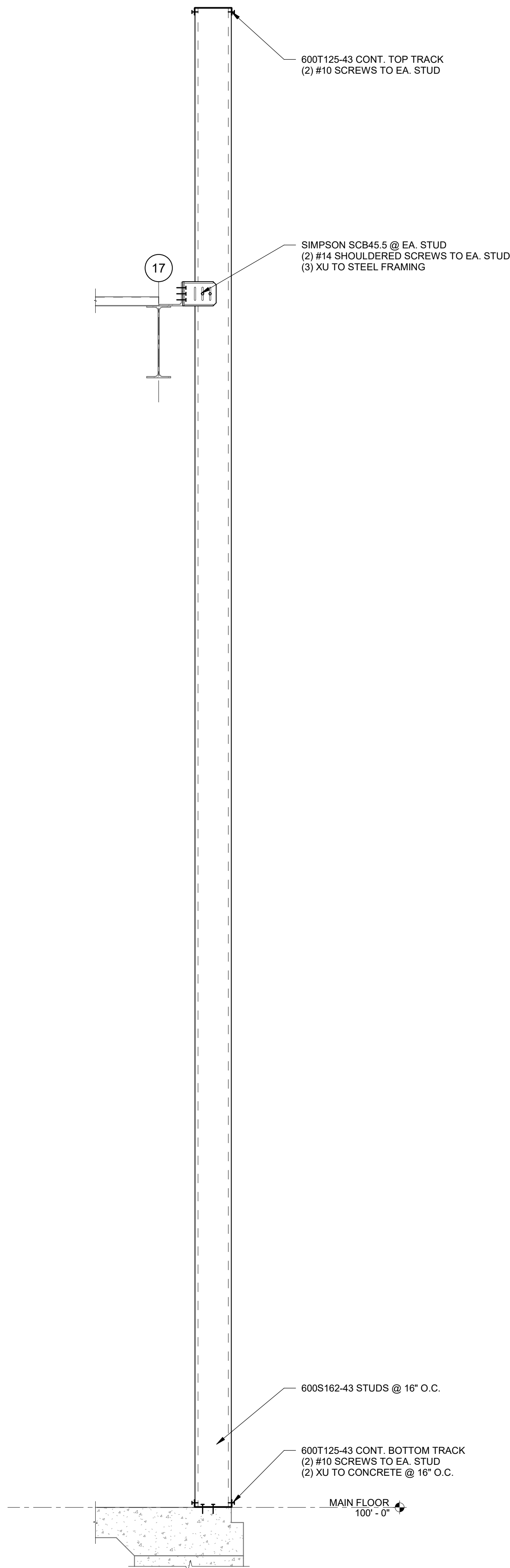
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Sections

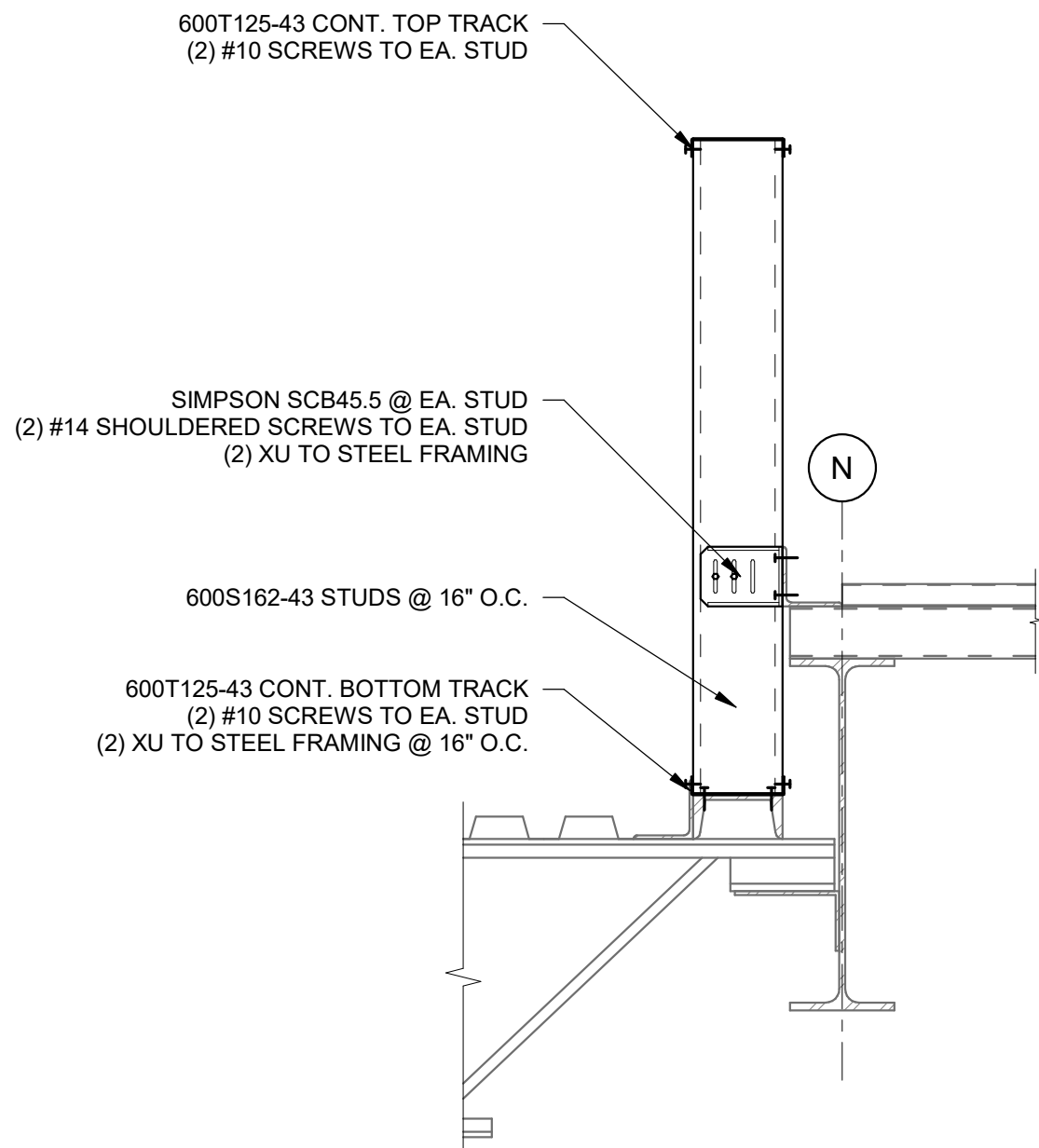
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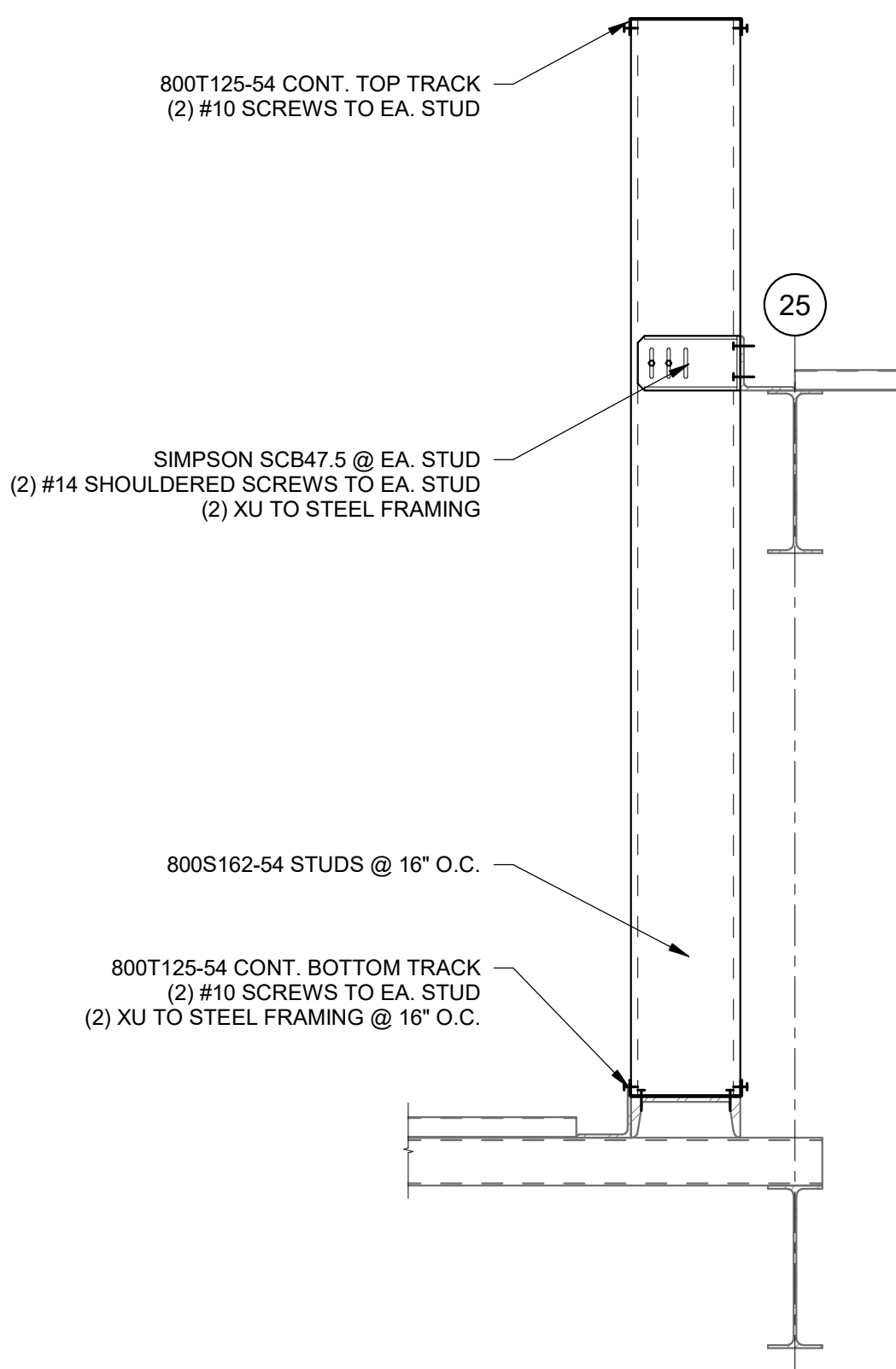
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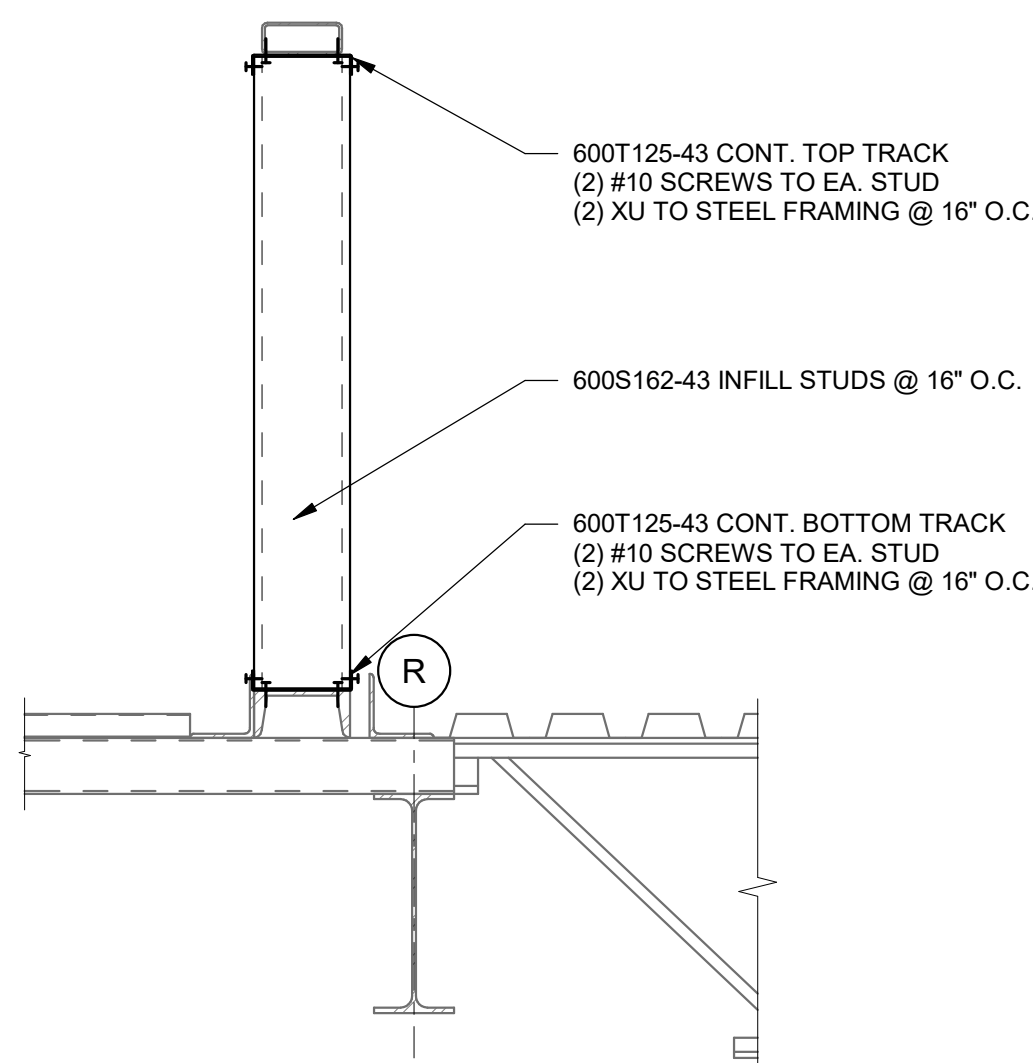
43 Section @ Area D Corner Full Height Wall
CF3.9(CF1) SCALE: 1" = 1'-0"



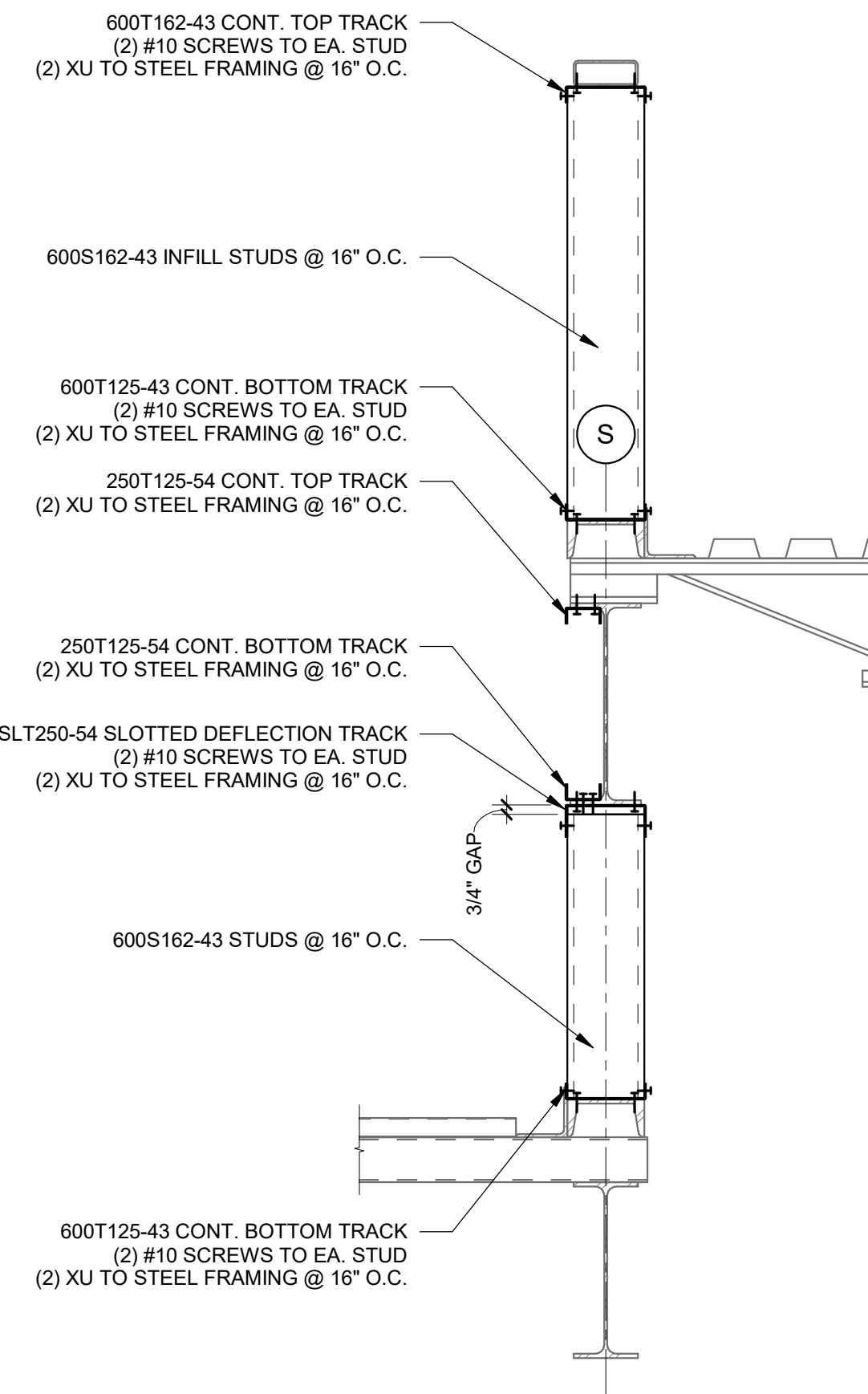
42 Section (Ref. 3/S4.2)
CF3.9(CF1) SCALE: 1" = 1'-0"



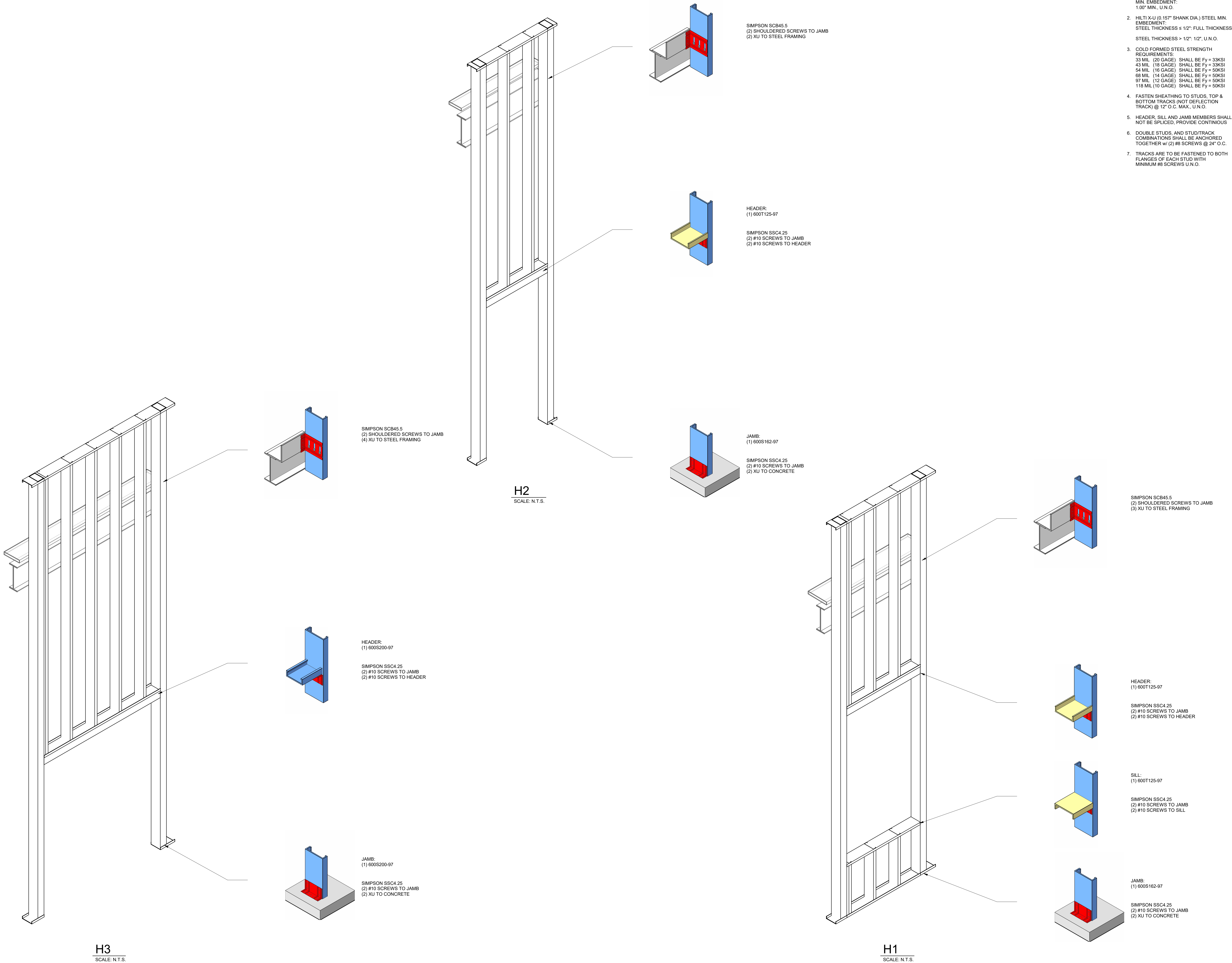
41 Section (Ref. 2/S4.2)
CF3.9(CF1) SCALE: 1" = 1'-0"



40 Section (Ref. 6/S4.3)
CF3.9(CF1) SCALE: 1" = 1'-0"



39 Section (Ref. 2/S4.3)
CF3.9(CF1) 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.
 - 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
 - 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 SPLICED, 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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DESCRIPTION:

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TITLE: Opening Details

FILE NUMBER:

Project #

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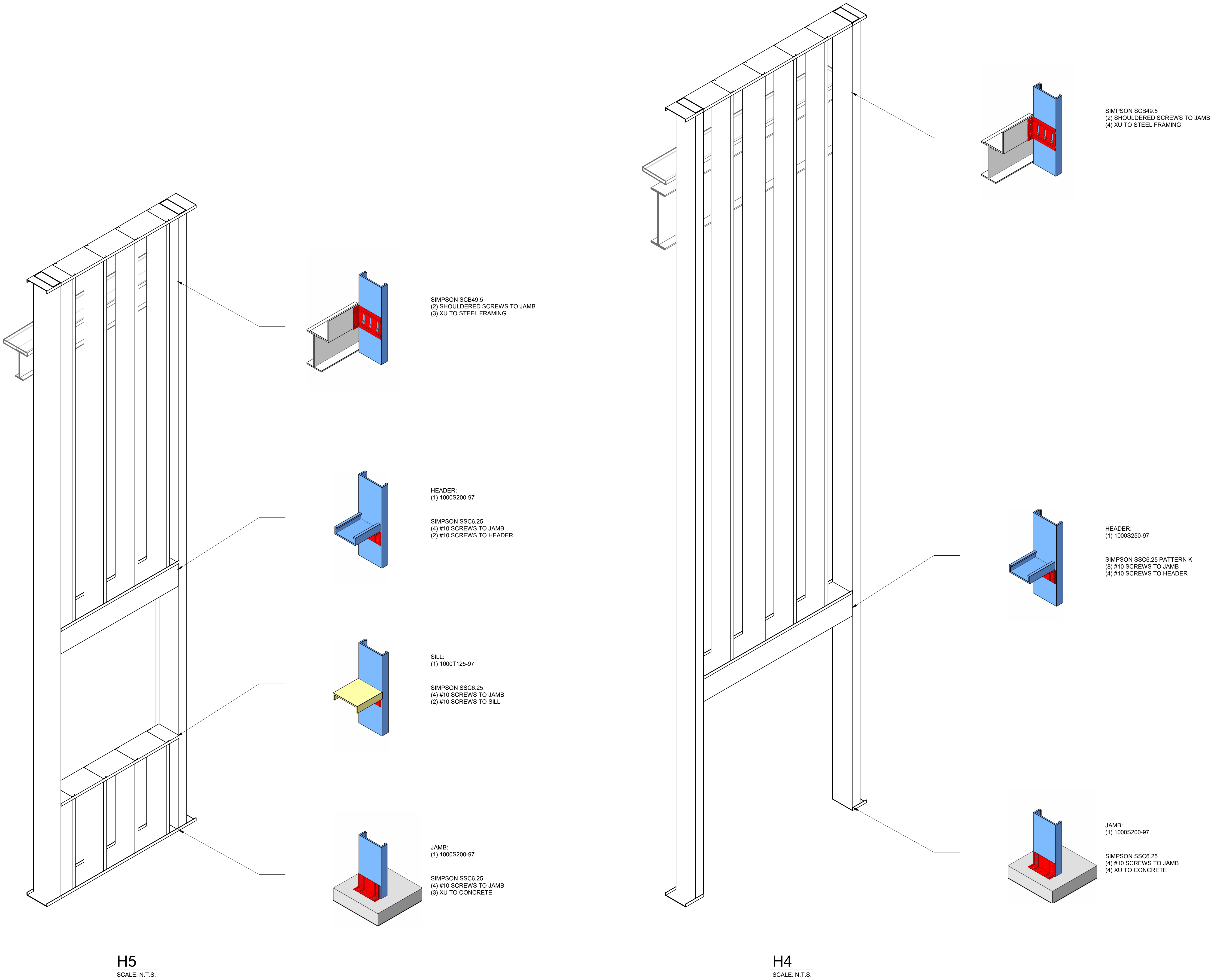
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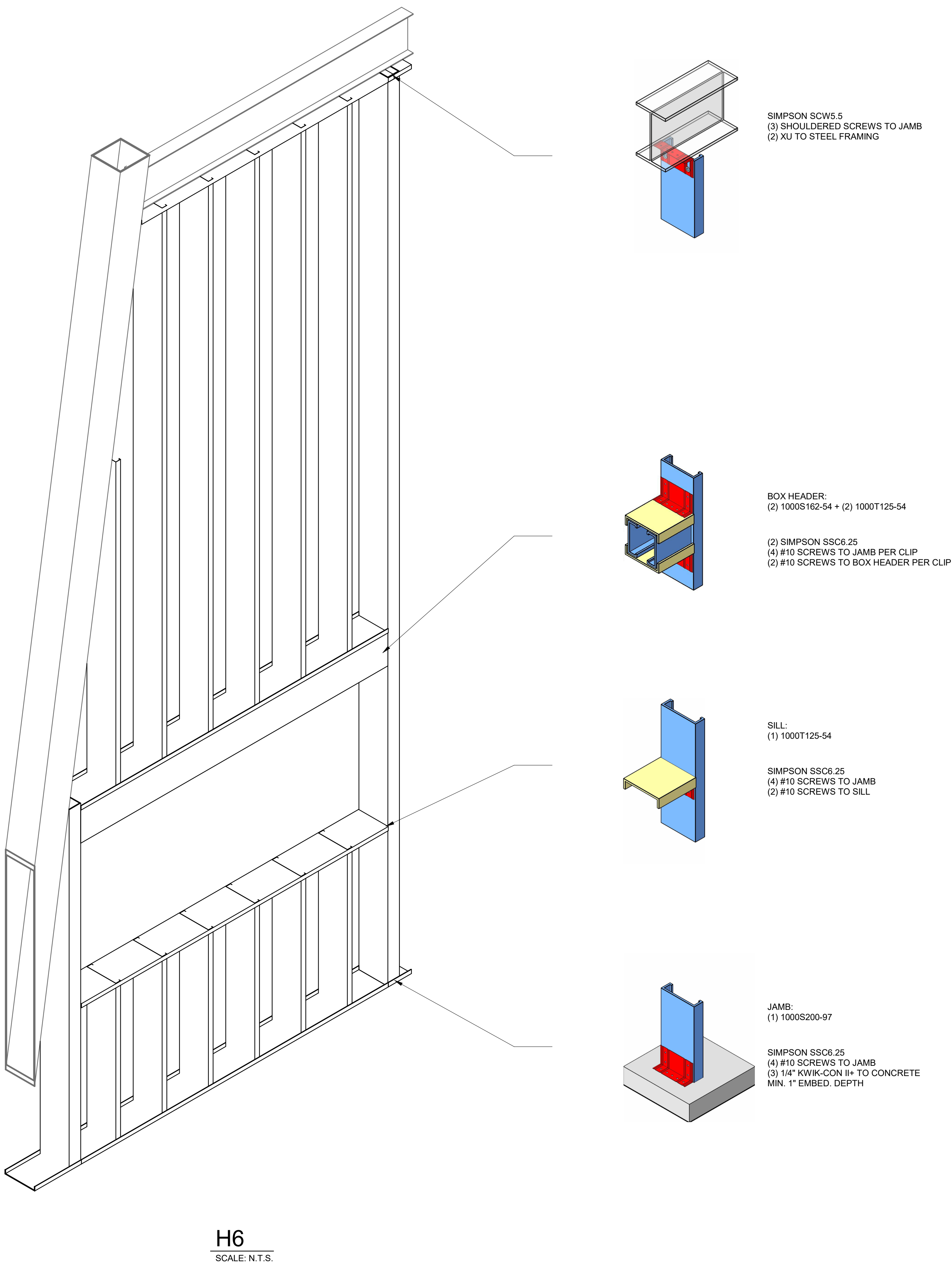
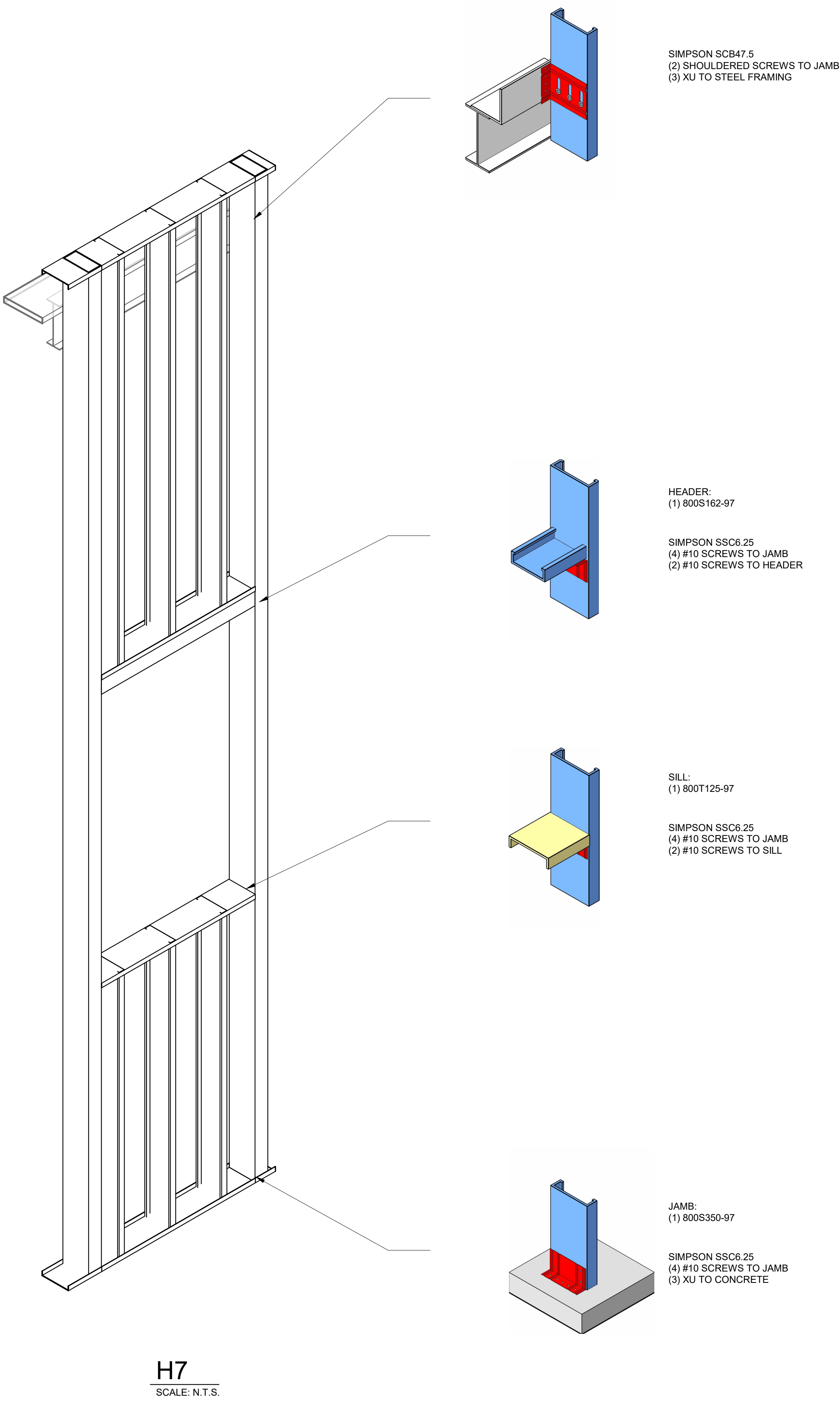
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DRAWN BY:

CHECKED:

ENGINEER:





- GENERAL SHEET NOTES:
- HILTI XU (0.157\"/>

FOR APPROVAL NOT FOR CONSTRUCTION

TITLE: Opening Details

DATE PLOTTED: 8/19/2026 10:53:46 AM

DRAWER: CHECKER: ENGINEER

FILE NUMBER: Project #

DRAWING NUMBER: CF4.2

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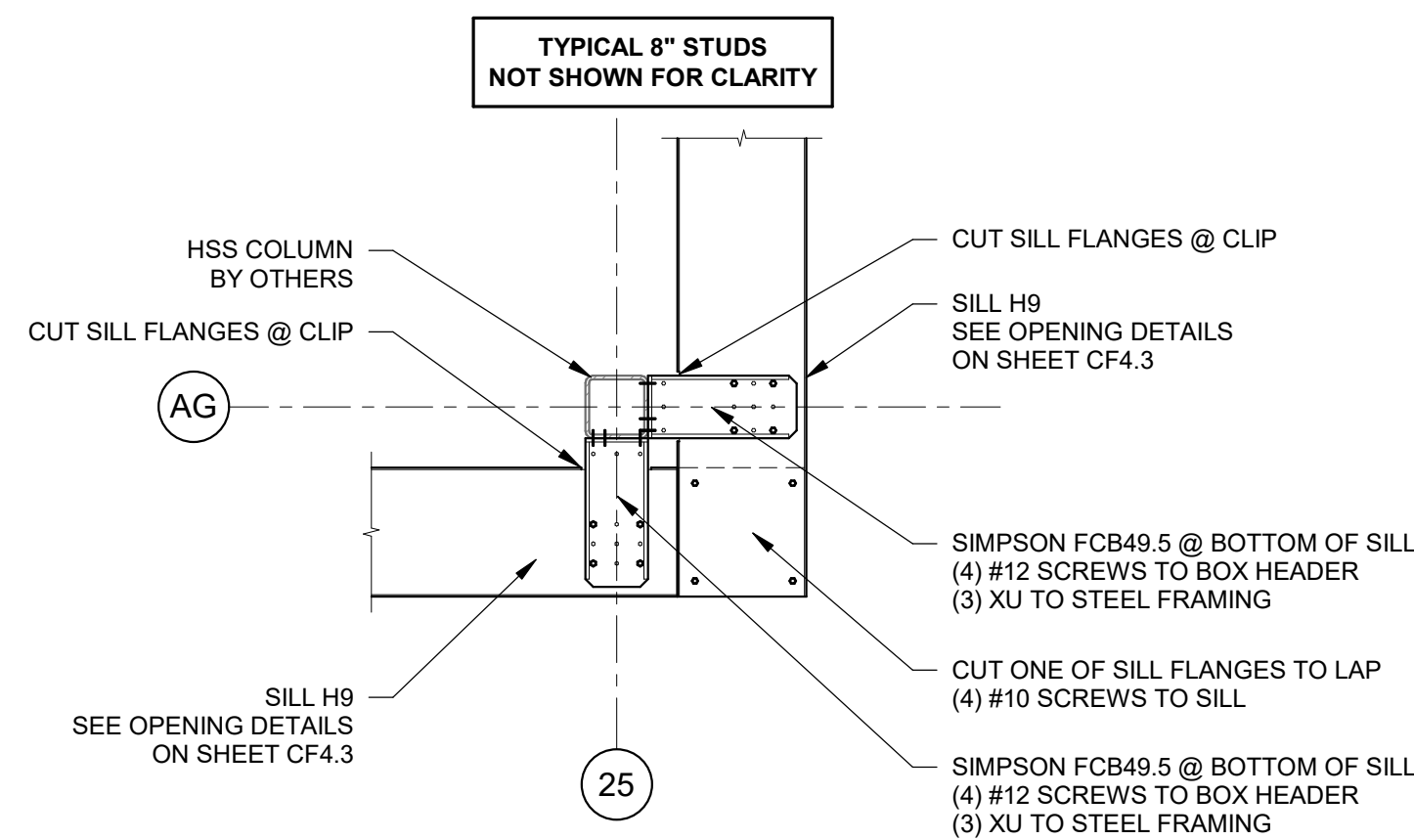
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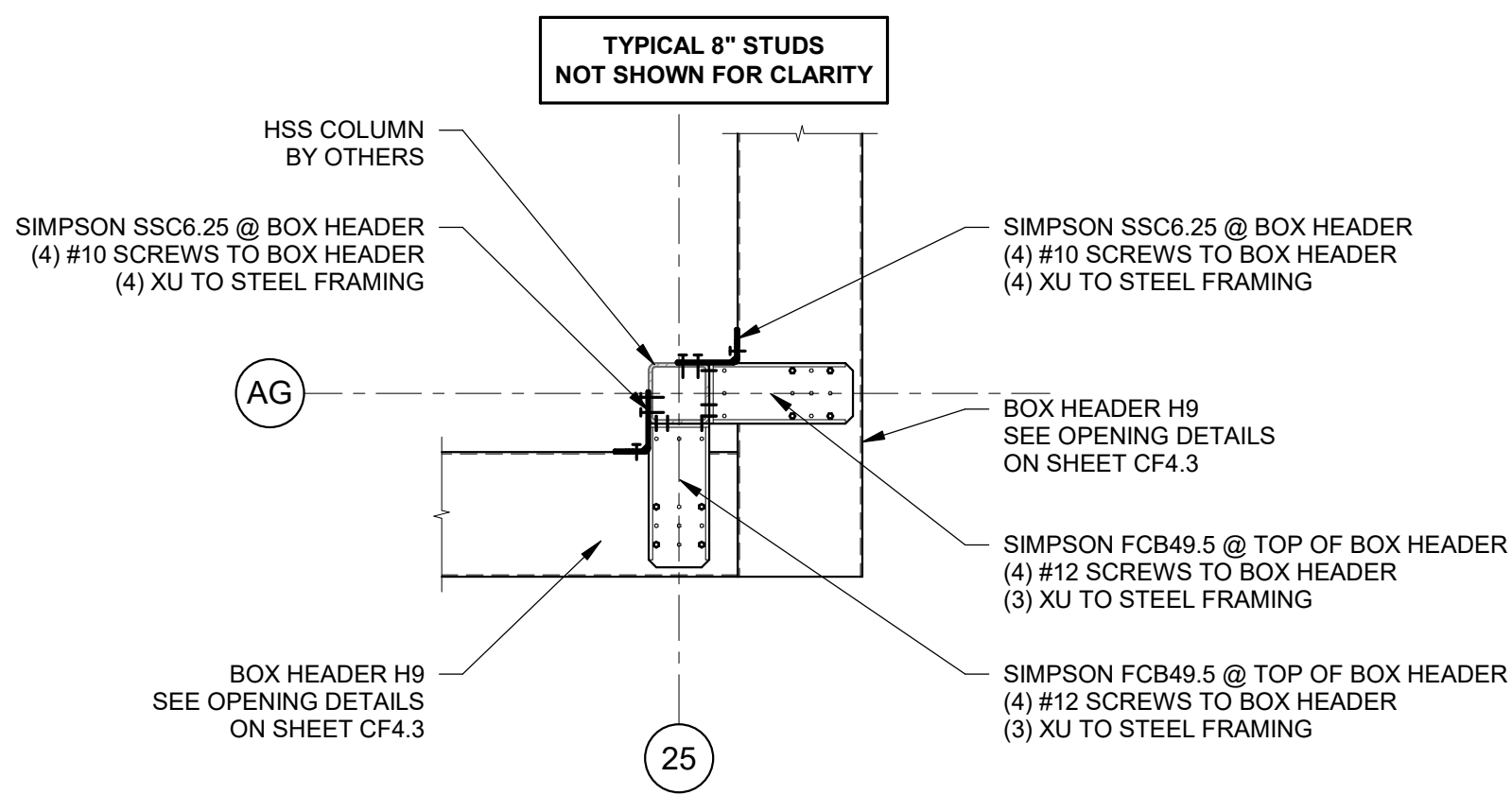
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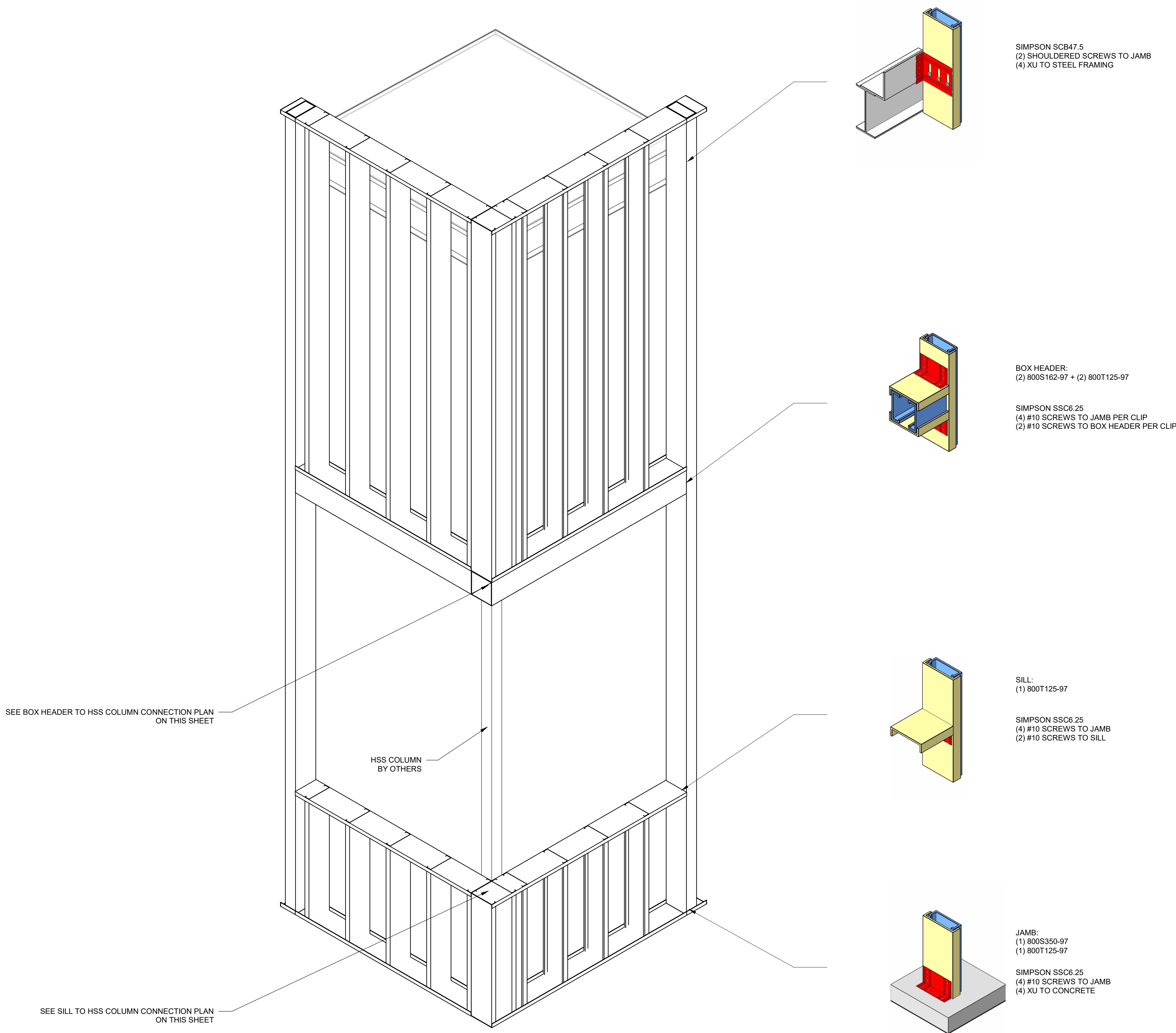
STRUCTURAL
ENGINEERING
& DETAILING



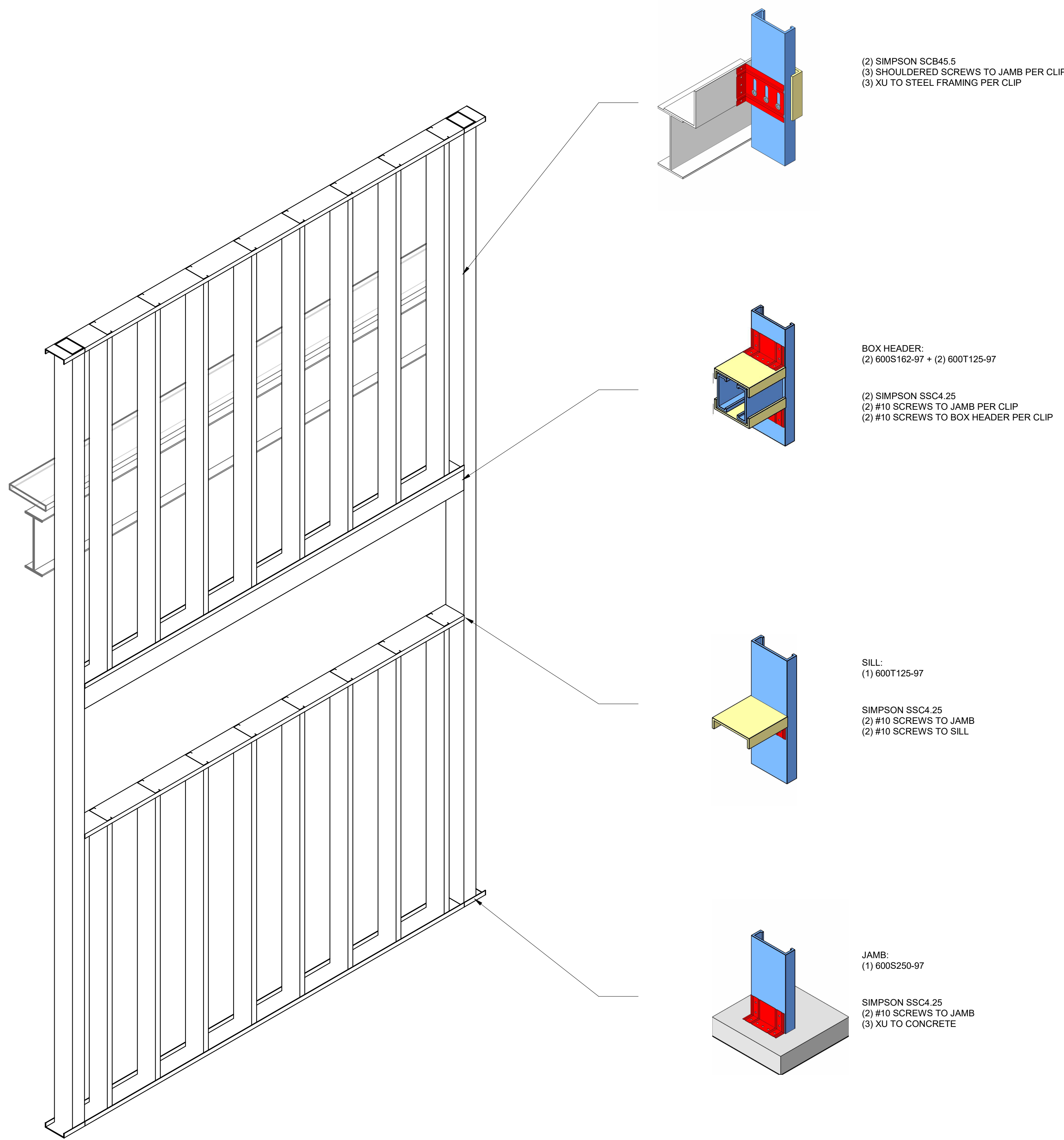
Sill to HSS Column Connection
SCALE: N.T.S.



Box Header to HSS Column Connection
SCALE: N.T.S.



H9
SCALE: N.T.S.



H8
SCALE: N.T.S.

- GENERAL SHEET NOTES:
- HILTI XU (0.157" SHANK DIA.) CONCRETE MIN. EMBEDMENT: 1.00" MIN., U.N.O.
 - HILTI XU (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 $F_y = 50\text{KSI}$
118 MIL (10 GAGE) SHALL BE $F_y = 50\text{KSI}$
 - 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.

