



SWISS DRAFTING

Sample shop drawings

Structural steel, stairs and railings, and misc. steel. Real project sets, shown with our watermark.

STAIRS & RAILINGS

59 Gove Street egress stairs

East Boston, MA

310 Great Road stairs

Approval set with clouded questions

4642 LongBow Road steel stair

Jacksonville, FL

Handrail details

Rail layouts and connection details

MISC. STEEL

Site guardrail

Sleeve plan, guardrail plan and rail sections

Torres Dog Shelter gates

Chico, CA

STRUCTURAL STEEL

22 White Street Residences

Cambridge, MA

95-97 Addis multifamily building

East Boston, MA

Drai Residence

Los Angeles, CA

Private residence main steel

Framing, columns and anchor rods

Parkway Transfer Station

Main building GA set

Silo City: GA drawings

Buffalo, NY

Silo City: details

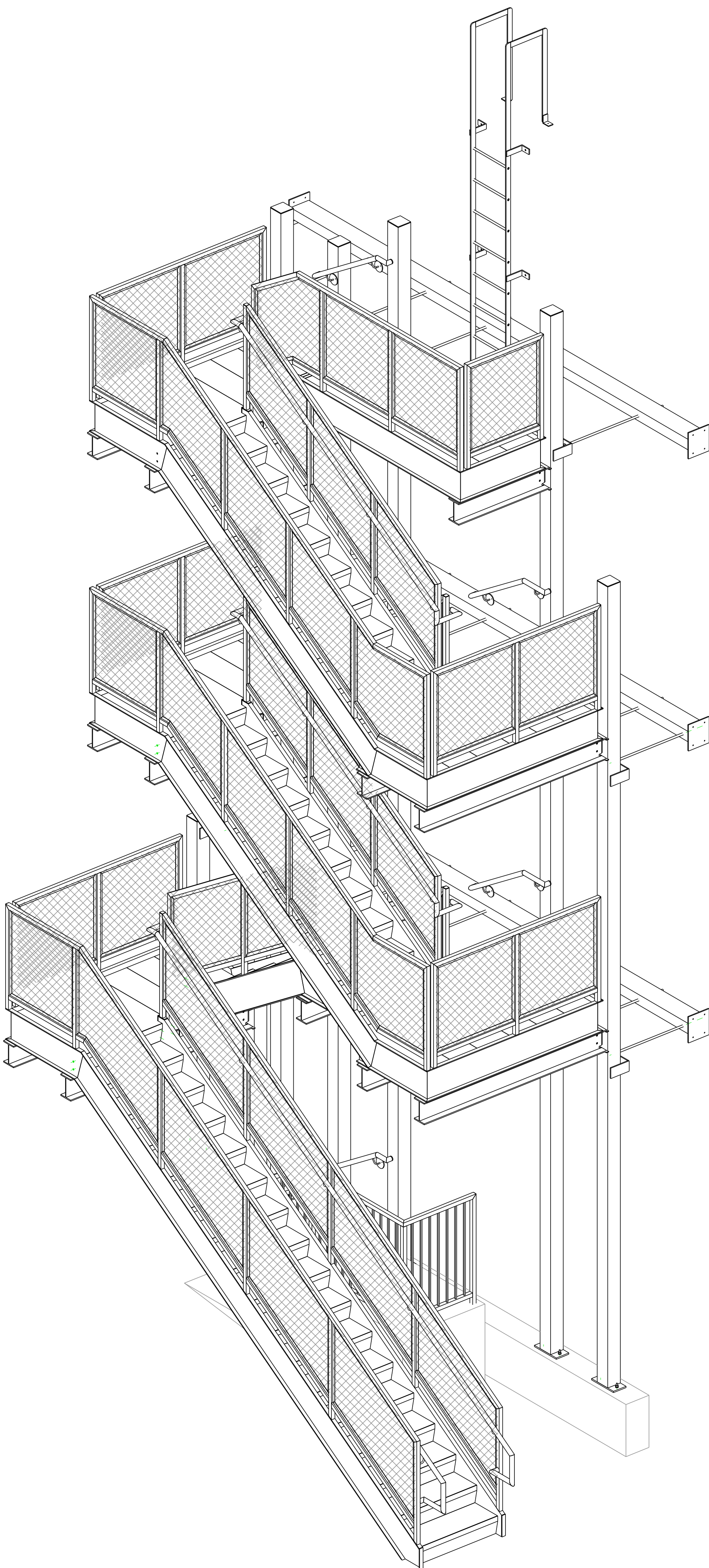
Buffalo, NY

Silo City: piece drawings

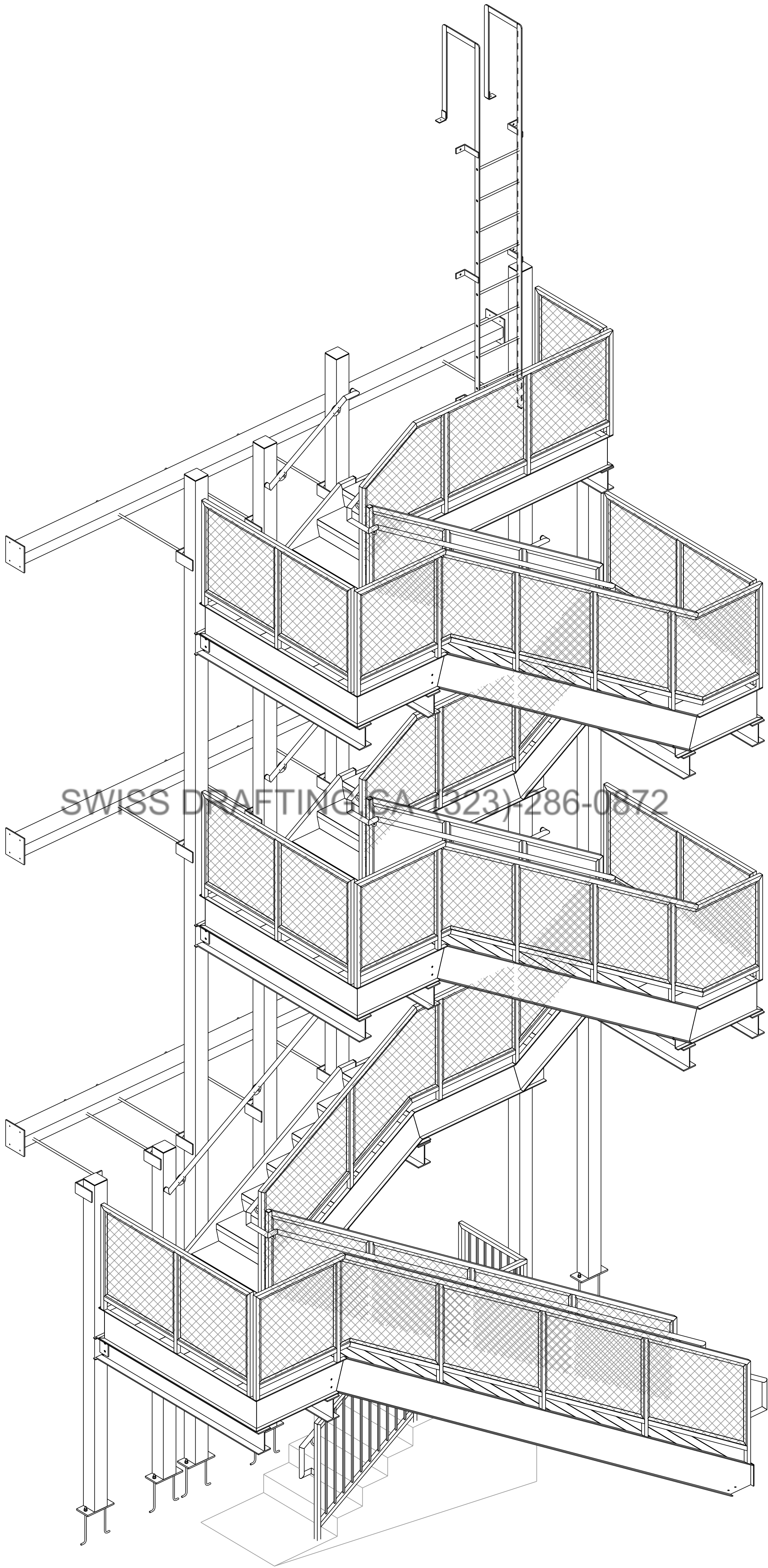
Buffalo, NY

Send plans for a quote. Price and turnaround within the hour.

swissdrafting.com | (323) 286-0872 | david@swissdrafting.com | 1217 Foster Ave, Brooklyn, NY 11230



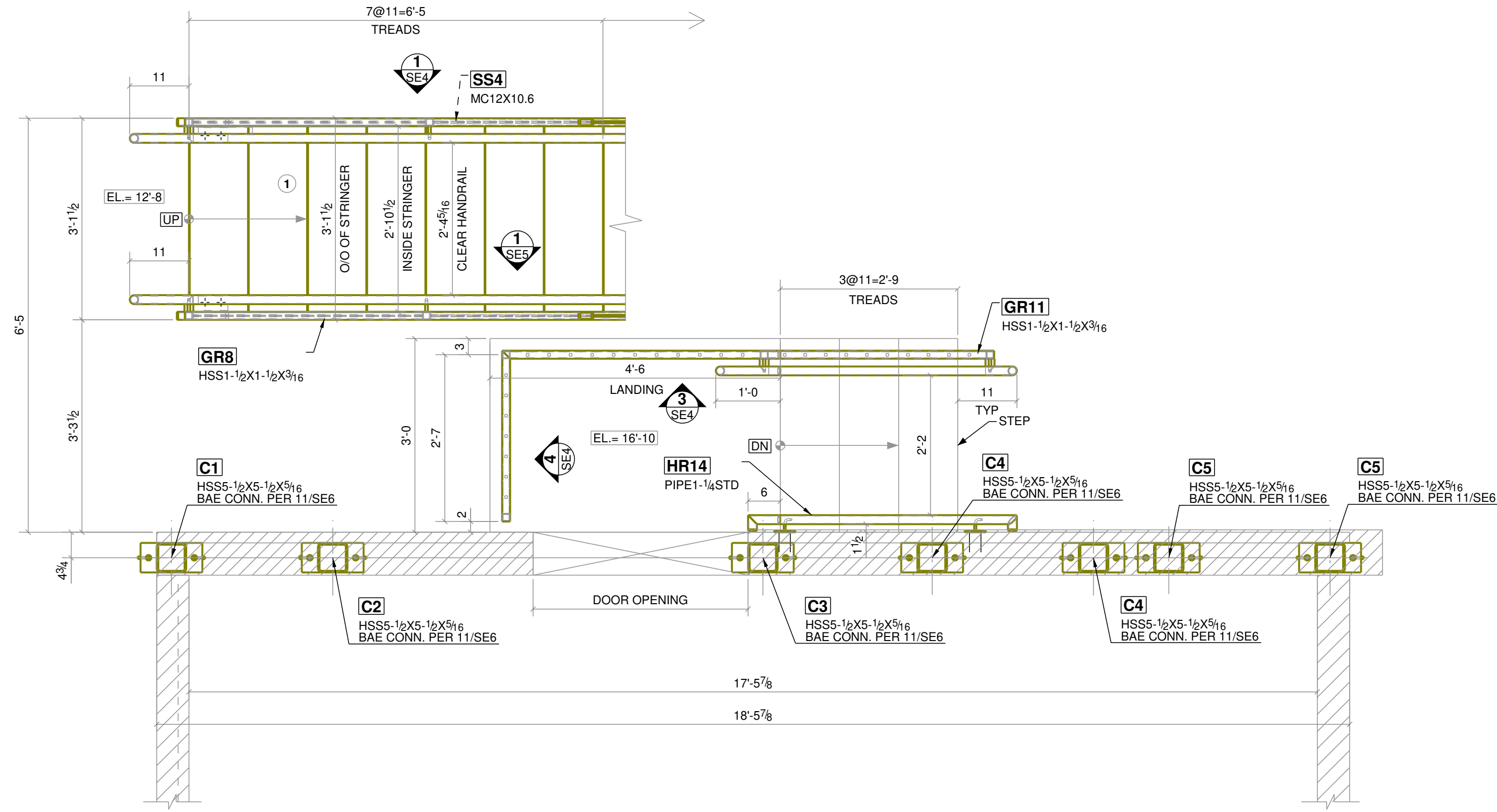
STAIR ISOMETRIC VIEW - 1



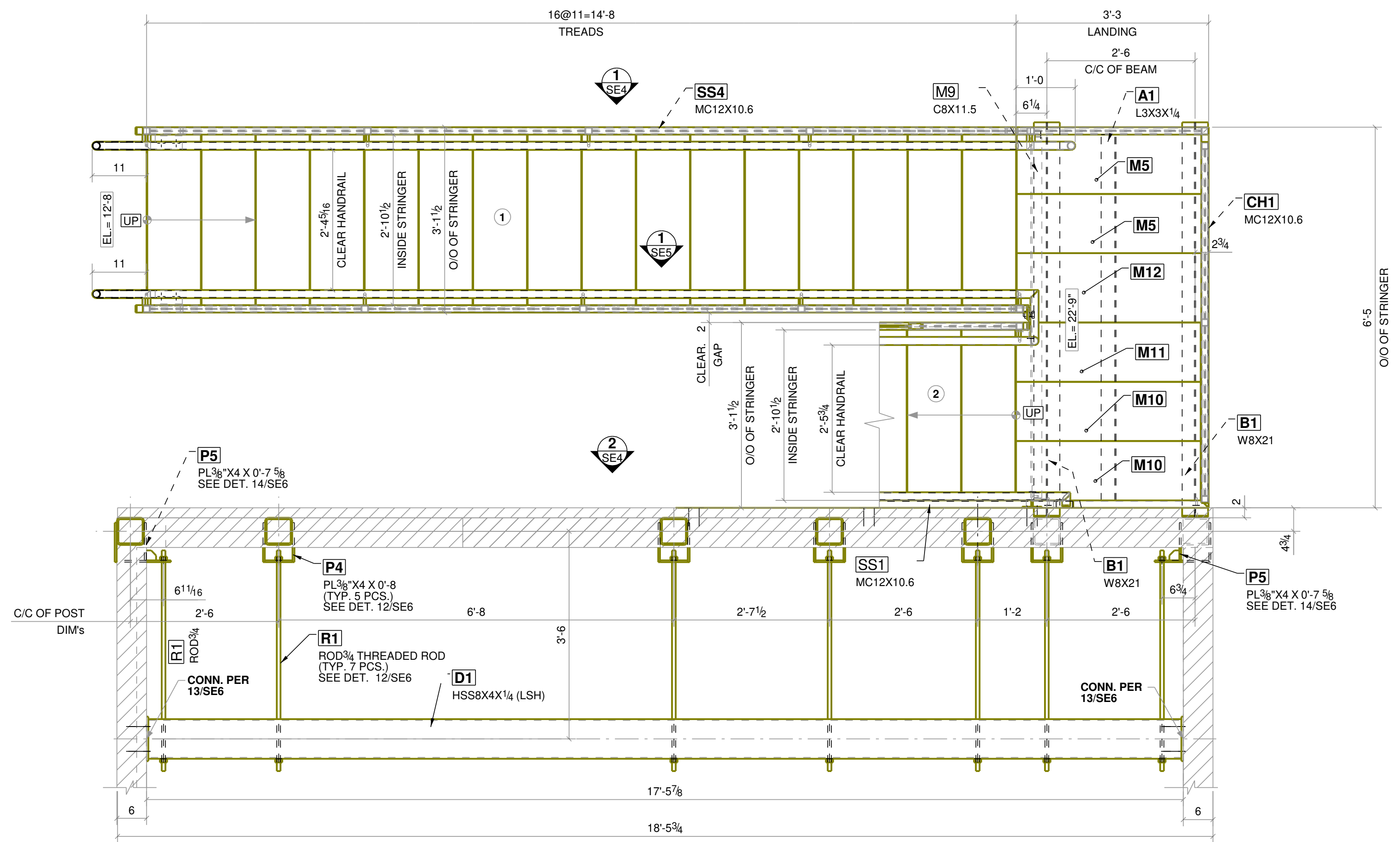
STAIR ISOMETRIC VIEW - 2

DRAWINGS INDEX			
DWG. NO.	DESCRIPTION	STATUS	REVISION
SE1	ISOMETRIC VIEW	20-SEP-2023	0
SE2	STAIR PLAN - 1	20-SEP-2023	0
SE3	STAIR PLAN - 2	20-SEP-2023	0
SE4	STAIR ELEVATION	20-SEP-2023	0
SE5	STAIR ELEVATION	20-SEP-2023	0
SE6	STAIR DETAILS	20-SEP-2023	0
SE7	LADDER DETAILS	20-SEP-2023	0

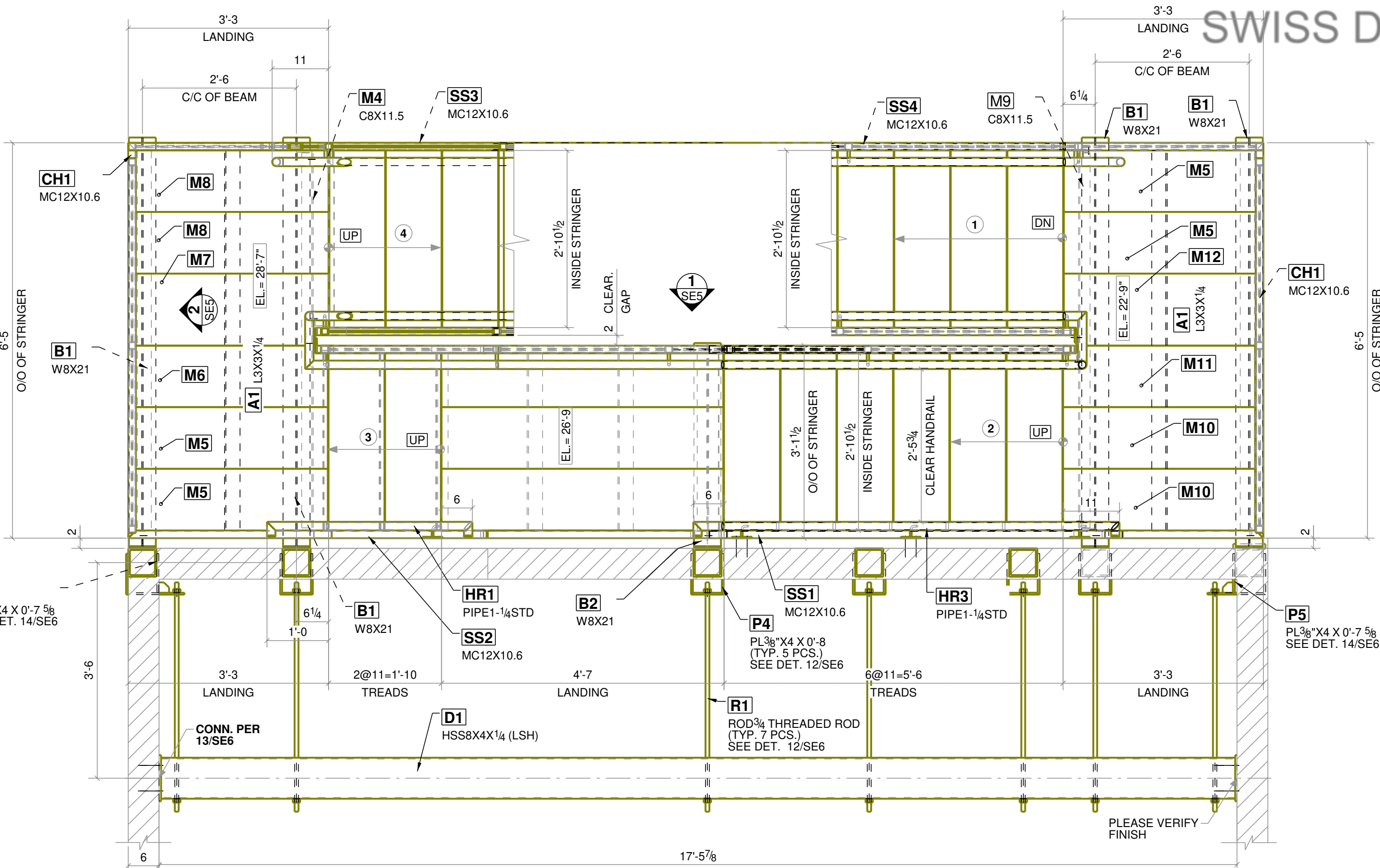
0	09/20/2023	ISSUED FOR FABRICATION					
A	07/25/2023	ISSUED FOR APPROVAL					
PROJECT NAME & LOCATION							
59 GOVE STREET East Boston, MA							
DWG. TITLE: STAIR ISOMETRIC VIEW							
CUSTOMER:							
MATERIAL: W SHAPES: PIPS: HSS SHAPES: PLATES/CHANNELS:	A992 A53, Gr. B A500, Gr. B A36	HOLE SIZE:	13/16 DIA. U/N	DRAWN BY:	RH	DATE:	07/17/2023
		ELECTRODES:	E70XX	CHK'D BY:	AS	DATE:	07/24/2023
		FINISH:	AS PER SPEC.	DWG. NO.	SE1	REVISION	0
JOB NO.	---	BOLT:	A325N				



1 STAIR PLAN -1 BTWN. 1ST FLOOR & PATIO LEVEL
REF.



2 STAIR PLAN -2 BTWN. 1ST LANDING & PATIO LEVEL
REF.



3 STAIR PLAN -3 @ 2ND FLOOR
REF.

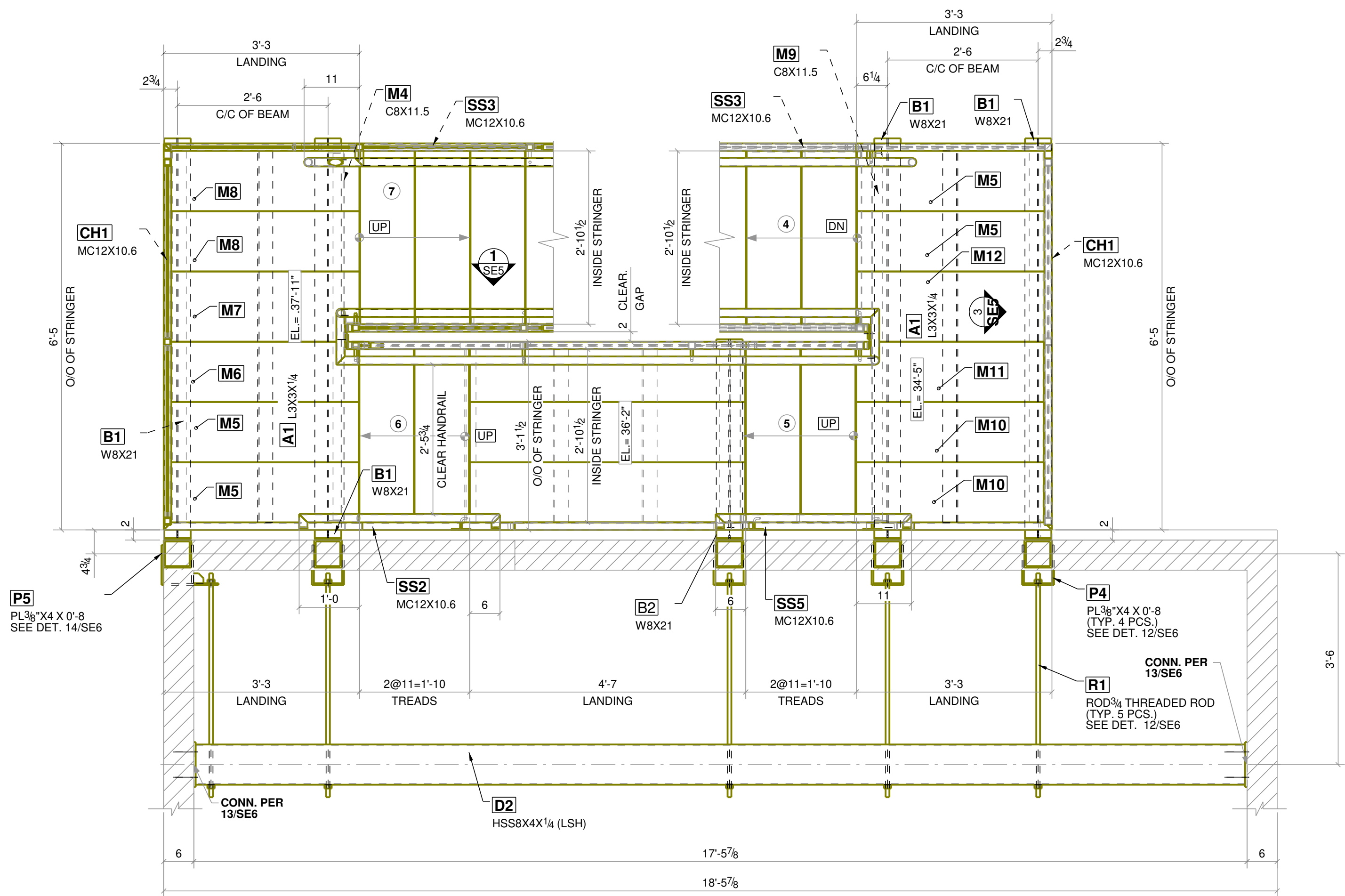
SWISS DRAFTING,CA (323)-286-0872

ALL STAIR COMPONENTS TO BE
PRIME AND PAINTED BLACK.

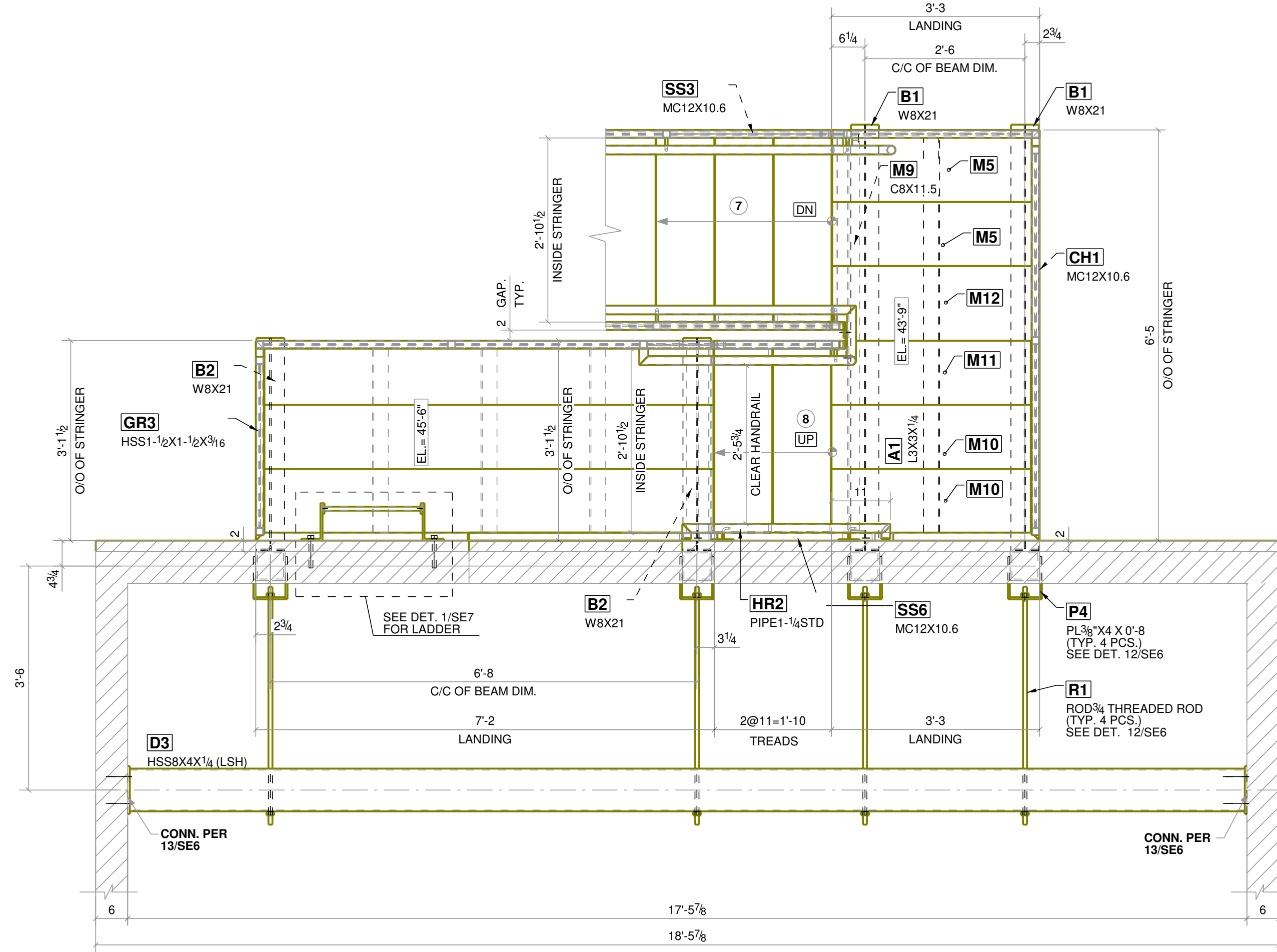
NOTE TO GC/FABRICATOR:
FIELD VERIFY ALL DIMENSIONS AND
ELEVATIONS PRIOR TO FABRICATION.

0	09/20/2023	ISSUED FOR FABRICATION
A	07/25/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION			
59 GOVE STREET East Boston, MA			
DWG. TITLE: STAIR PLAN - 1			
CUSTOMER:			
MATERIAL: W SHAPES: A992 PIFES: A53, Gr. B HSS SHAPES: A500, Gr. B PLATES/CHANNELS: A36	HOLE SIZE:	13/16 DIA. U/N	DRAWN BY: RH
	ELECTRODES:	E70XX	CHKD BY: AS
JOB NO. ---	FINISH:	AS PER SPEC.	DWG. NO. SE2
	BOLT:	A325N	REVISION 0



1 STAIR PLAN -4 @ THIRD FLOOR
REF.



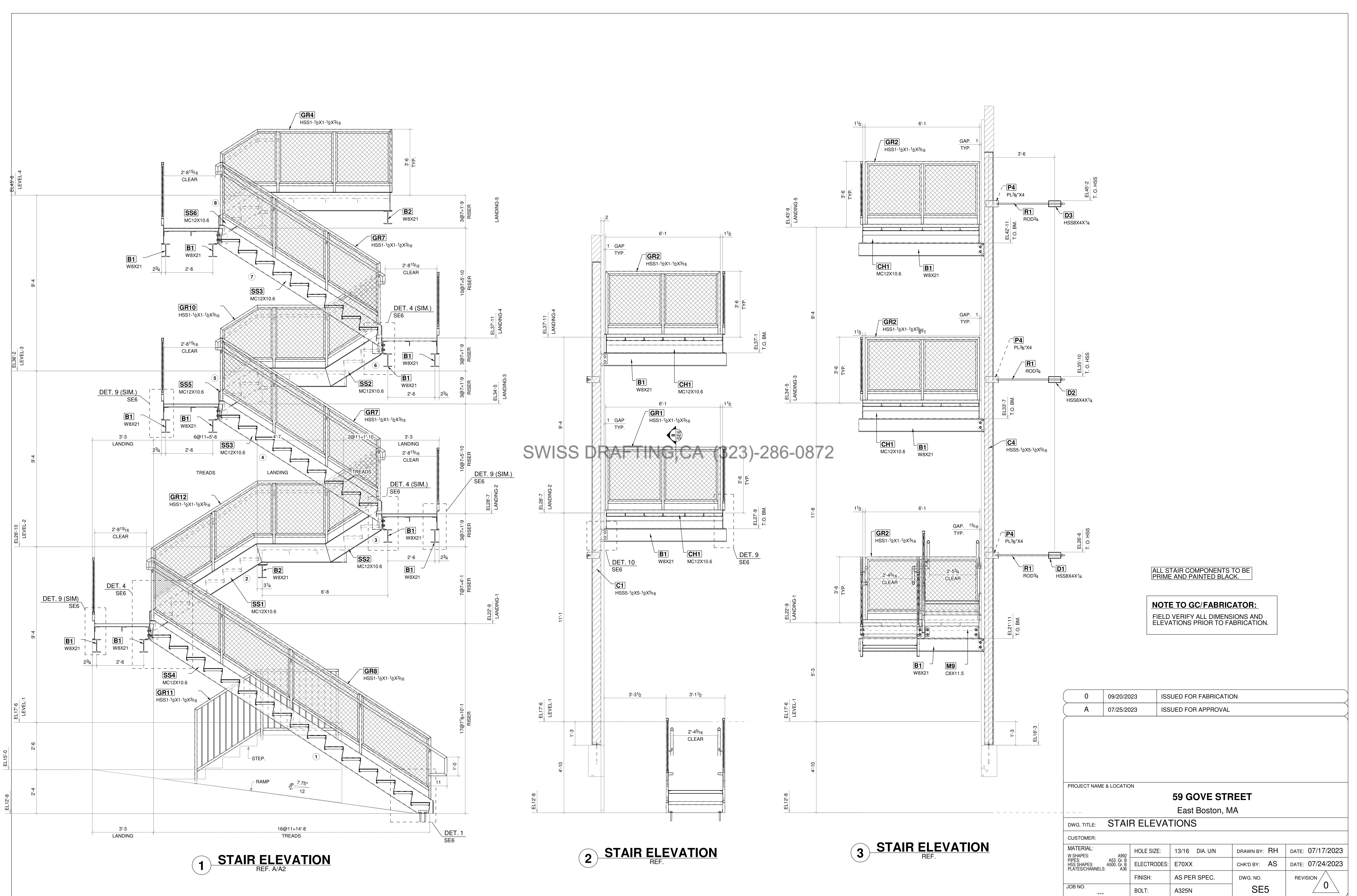
2 STAIR PLAN -5 @ FOURTH FLOOR
REF.

ALL STAIR COMPONENTS TO BE
PRIME AND PAINTED BLACK.

NOTE TO GC/FABRICATOR:
FIELD VERIFY ALL DIMENSIONS AND
ELEVATIONS PRIOR TO FABRICATION.

0	09/20/2023	ISSUED FOR FABRICATION
A	07/25/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION 59 GOVE STREET East Boston, MA				
DWG. TITLE: STAIR PLAN - 2				
CUSTOMER:				
MATERIAL: W SHAPES: A992 PIPS: A53, Gr. B HSS SHAPES: A300, Gr. B PLATES/CHANNELS: A36	HOLE SIZE:	13/16 DIA. U/N	DRAWN BY: RH	DATE: 07/17/2023
	ELECTRODES:	E70XX	CHKD BY: AS	DATE: 07/24/2023
	FINISH:	AS PER SPEC.	DWG. NO.	REVISION
JOB NO.	BOLT:	A325N	SE3	0



ALL STAIR COMPONENTS TO BE PRIME AND PAINTED BLACK.

NOTE TO GC/FABRICATOR:
FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION.

0	09/20/2023	ISSUED FOR FABRICATION
A	07/25/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION

59 GOVE STREET

East Boston, MA

DWG. TITLE: STAIR ELEVATIONS

CUSTOMER:

MATERIAL:

W SHAPES:
PIPS:
HSS SHAPES:
PLATES/CHANNELS:

A992
A53, Gr. B
A300, Gr. B
A36

HOLE SIZE:

ELECTRODES:

FINISH:

BOLT:

13/16 DIA. U/N

E70XX

AS PER SPEC.

A325N

DRAWN BY: RH

CHK'D BY: AS

DWG. NO.

SE5

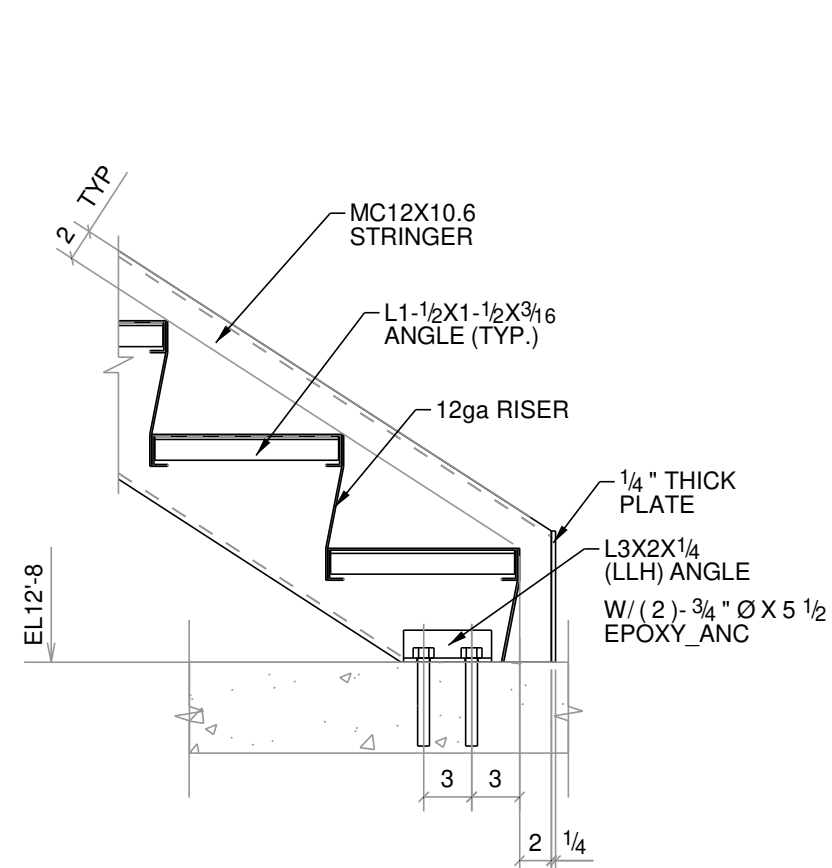
DATE: 07/17/2023

DATE: 07/24/2023

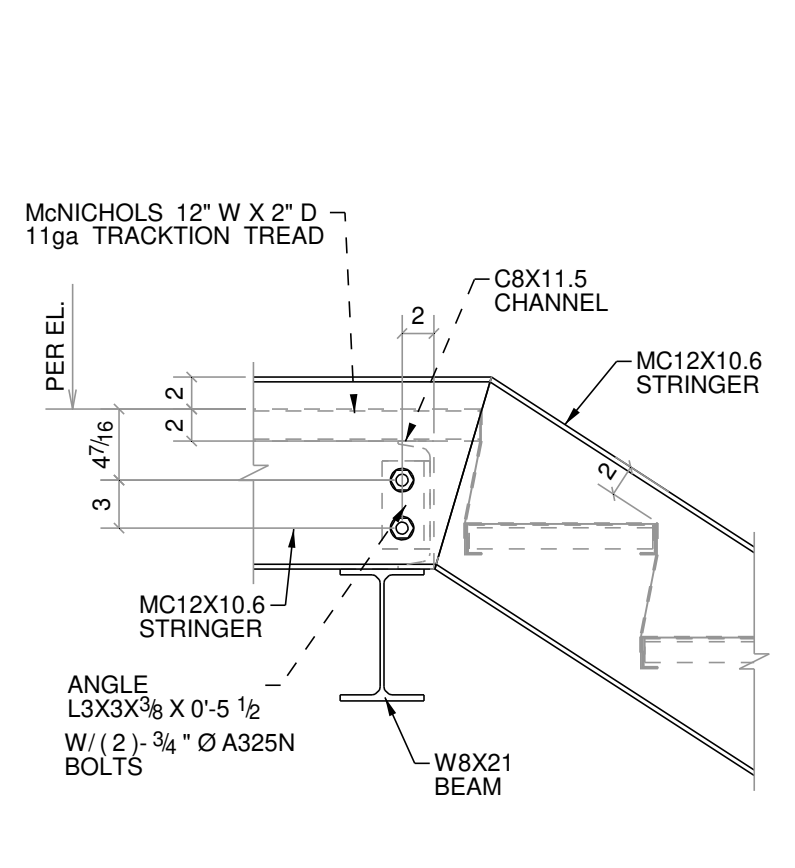
REVISION

0

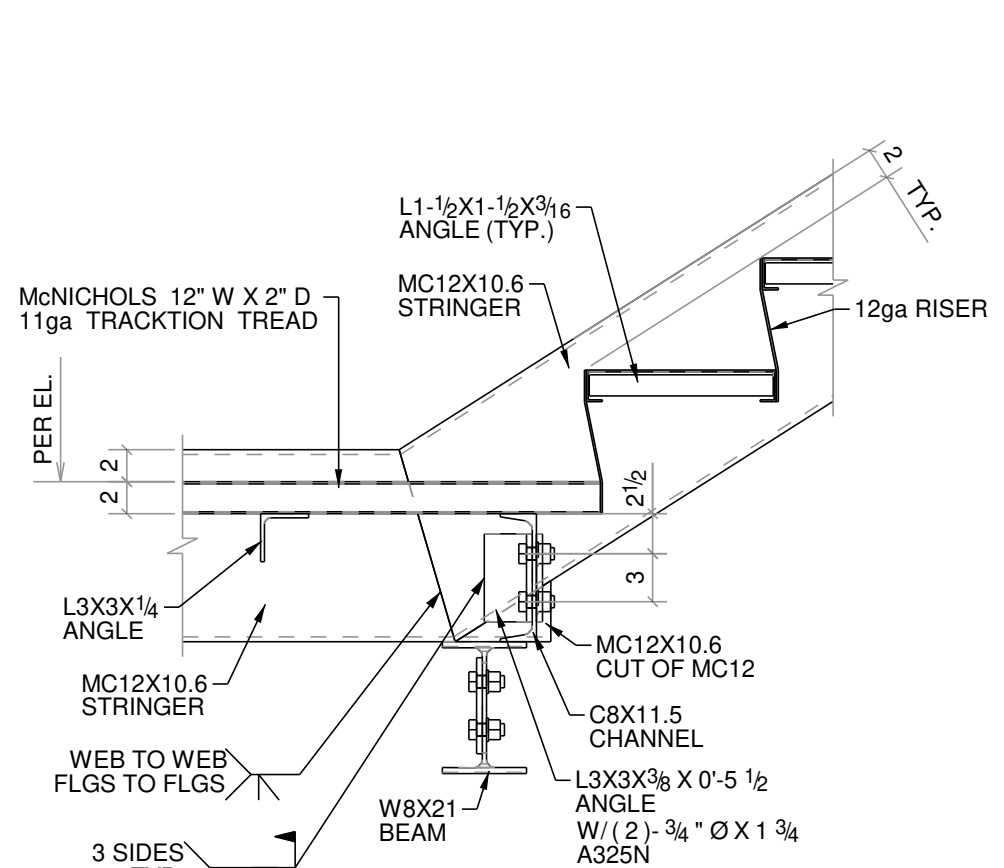
JOB NO. ---



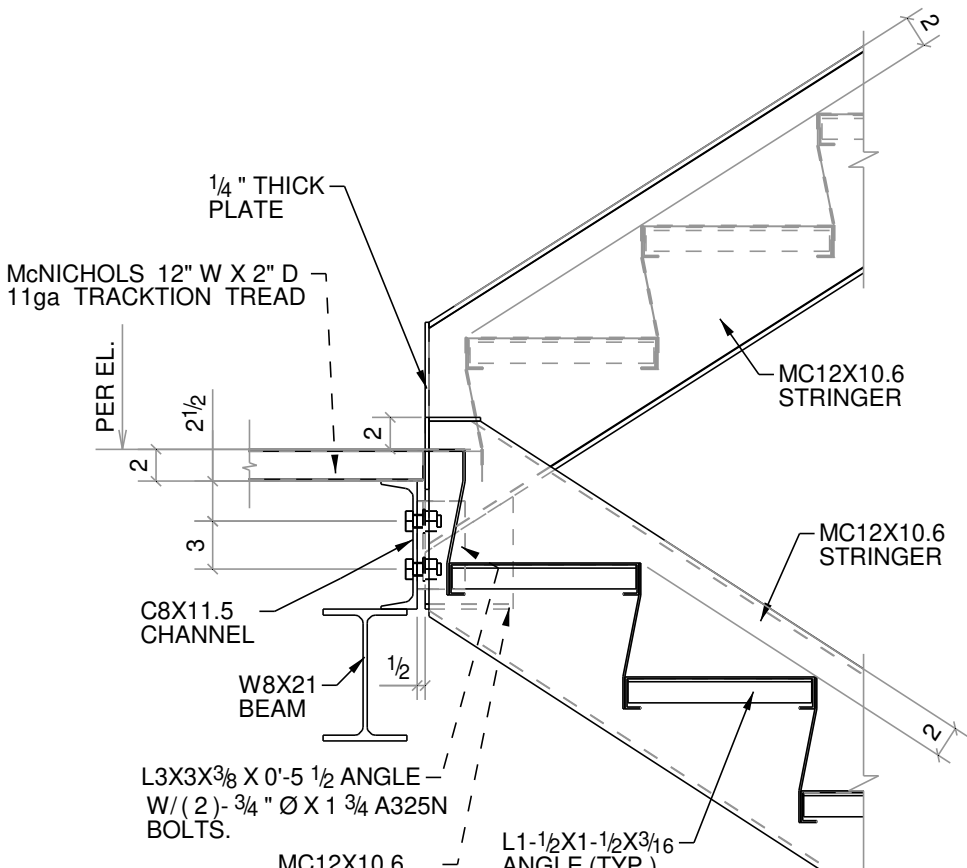
1 TYP. STAIR BASE DETAIL



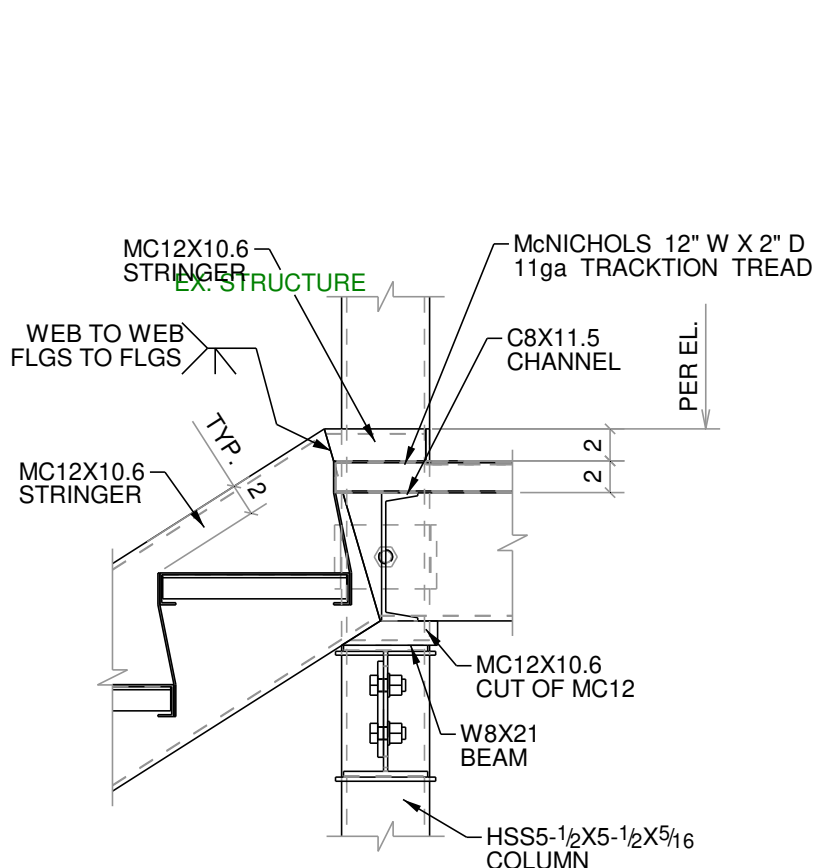
2 DETAIL



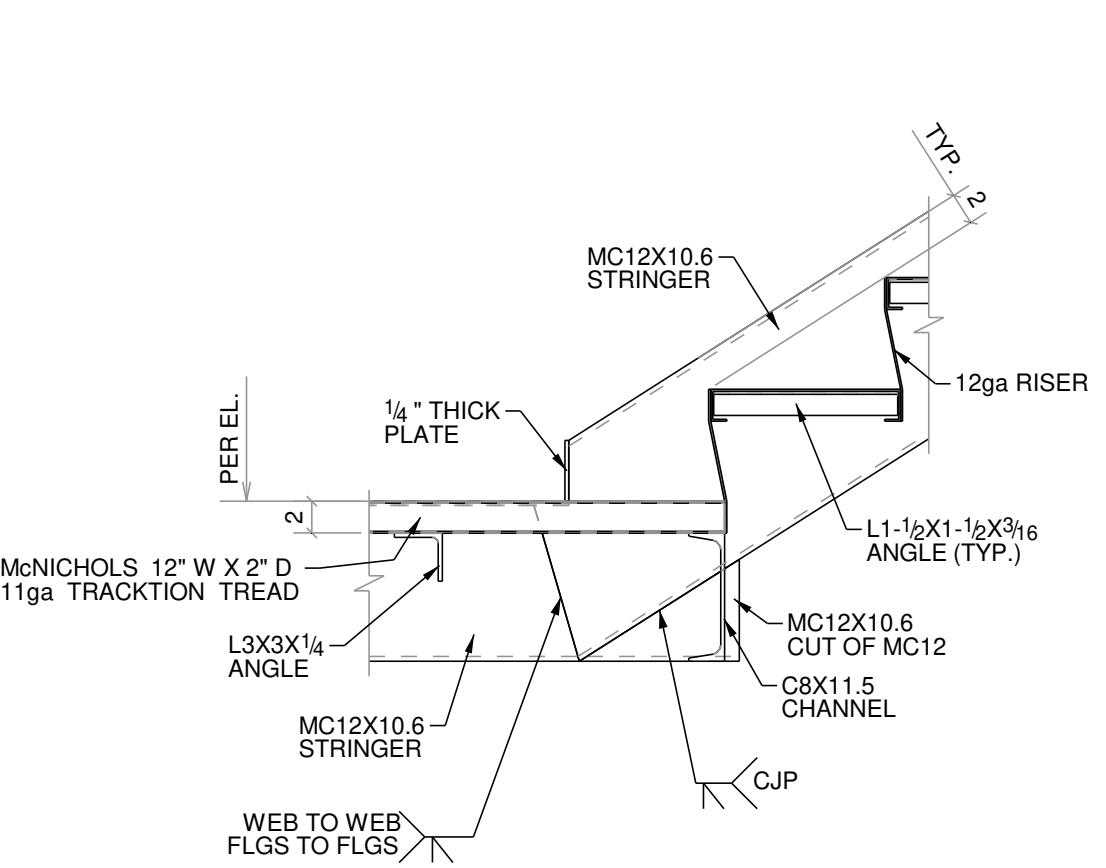
3 DETAIL



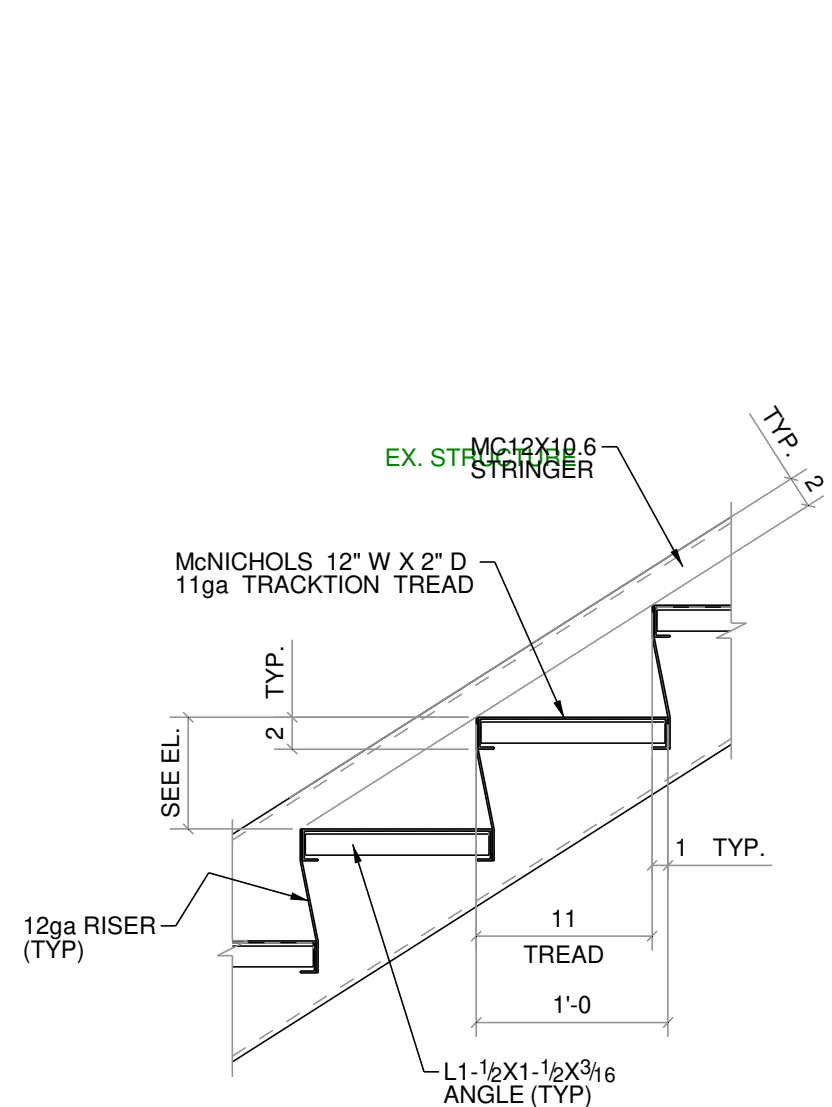
4 DETAIL



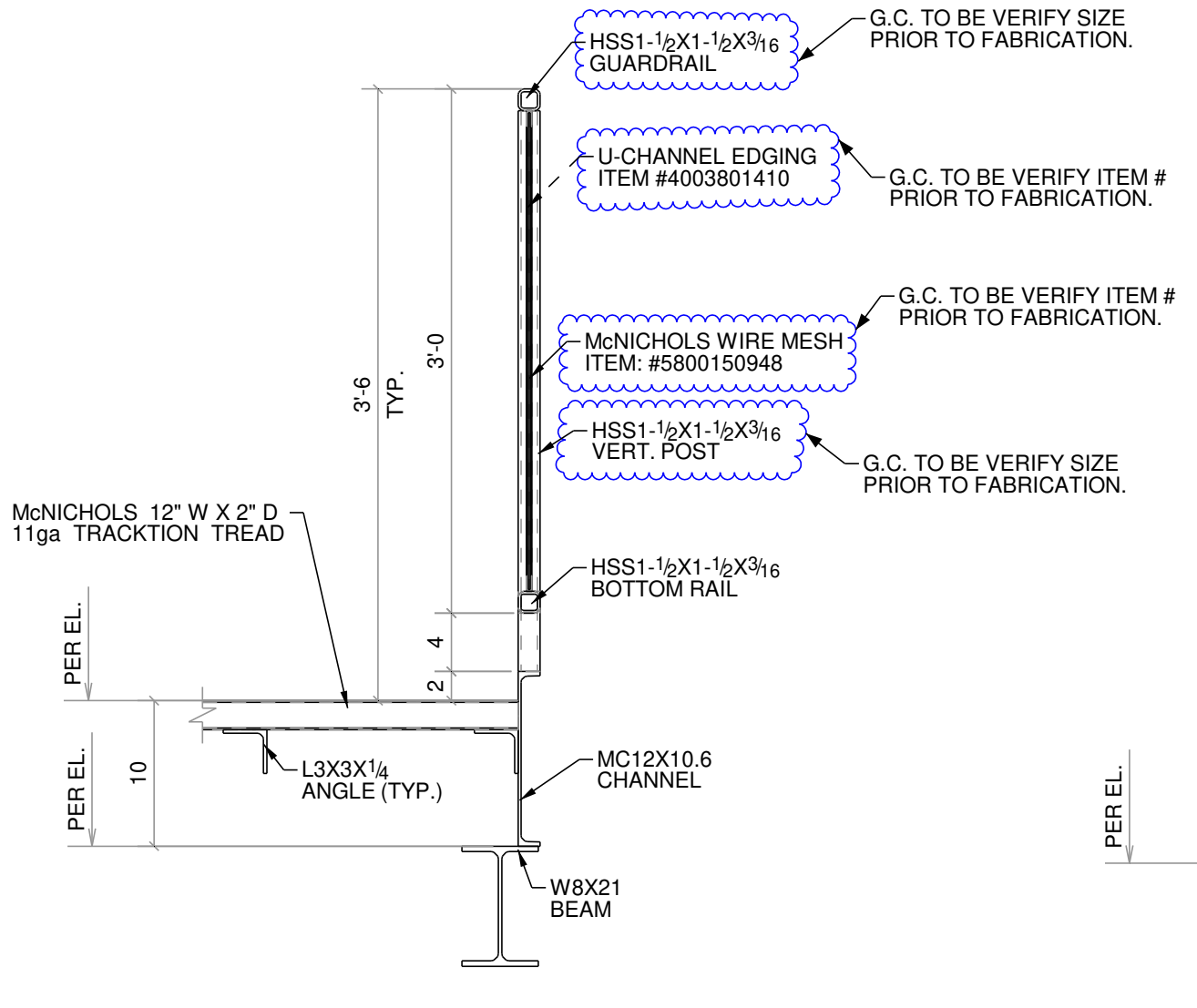
5 DETAIL



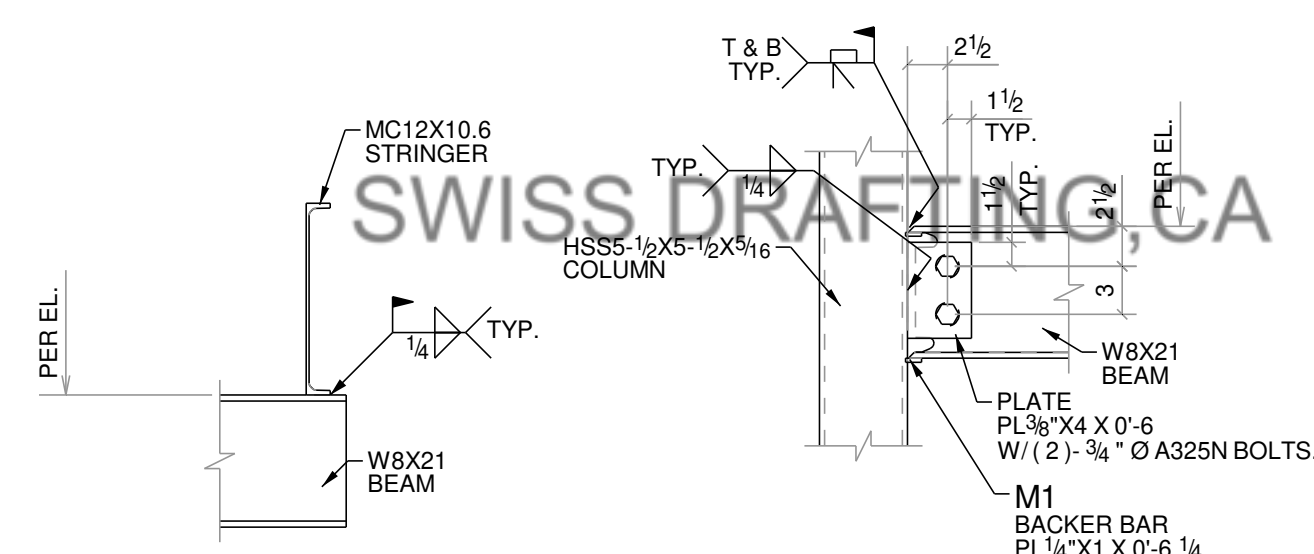
6 DETAIL



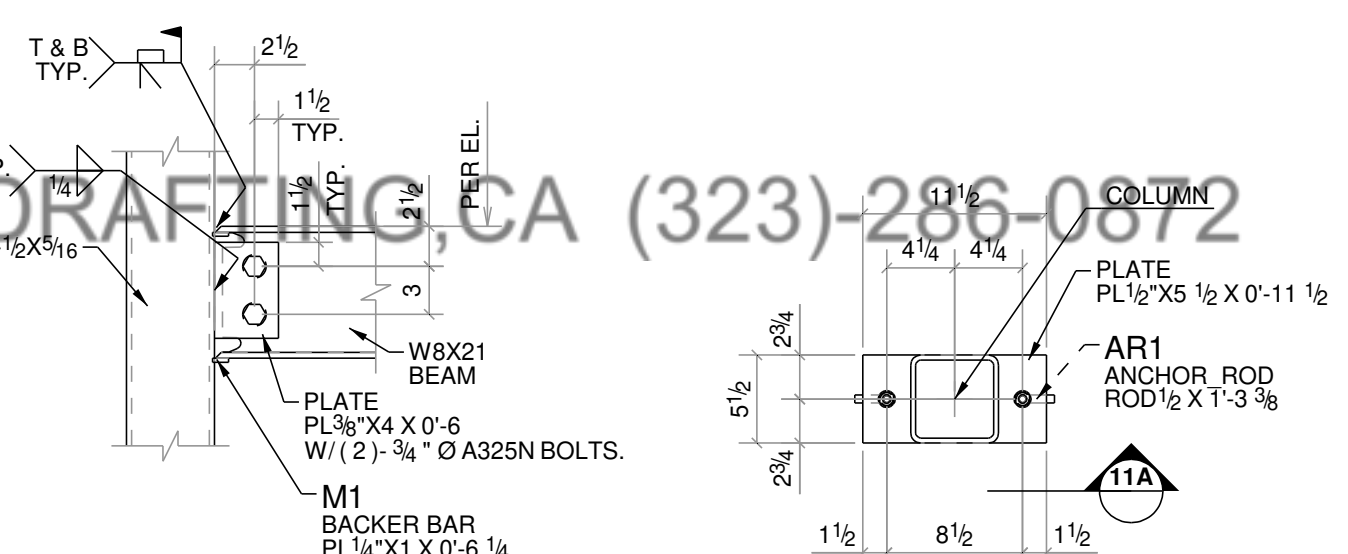
7 DETAIL



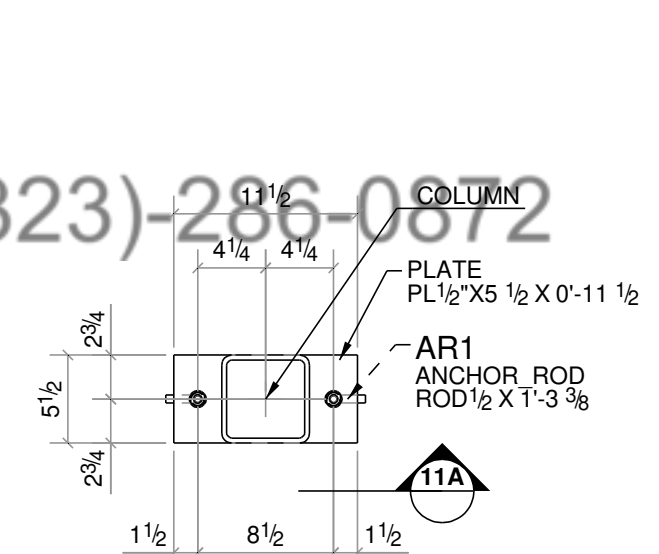
8 TYP. SECTION



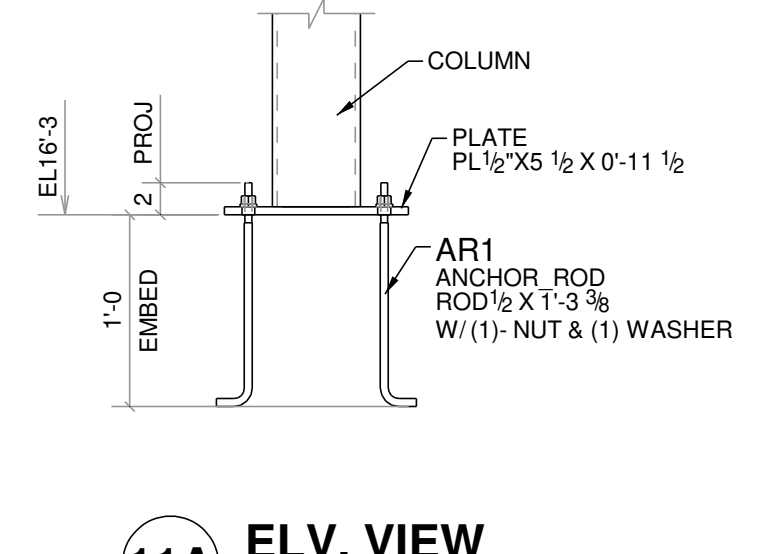
9 DETAIL



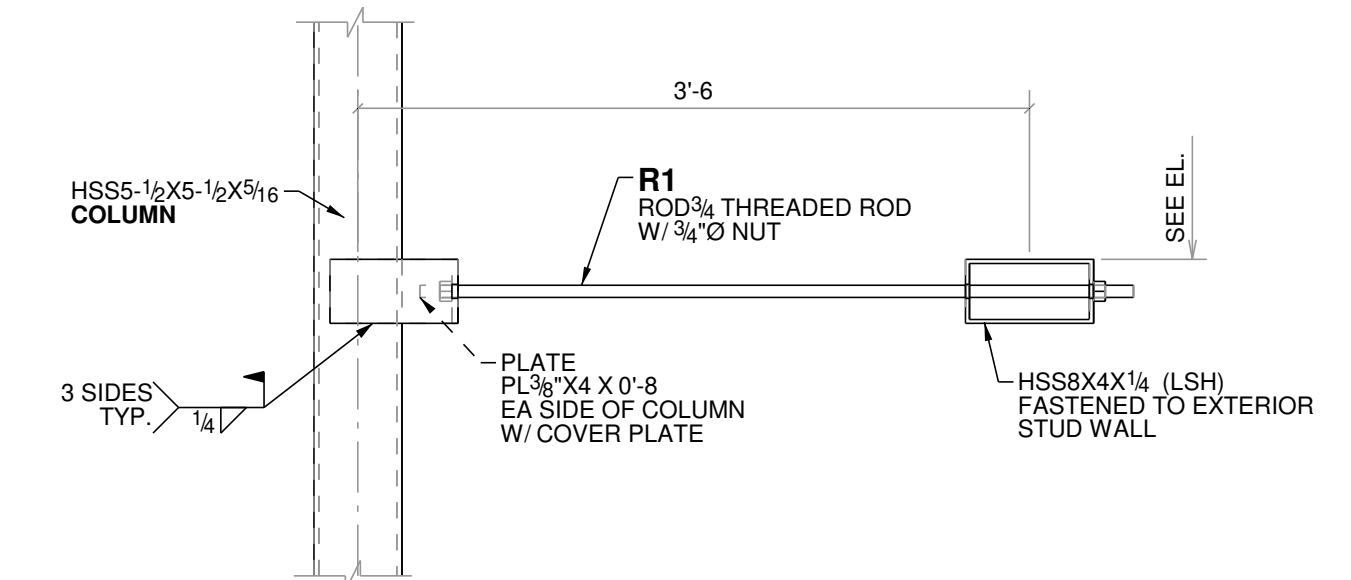
10 DETAIL



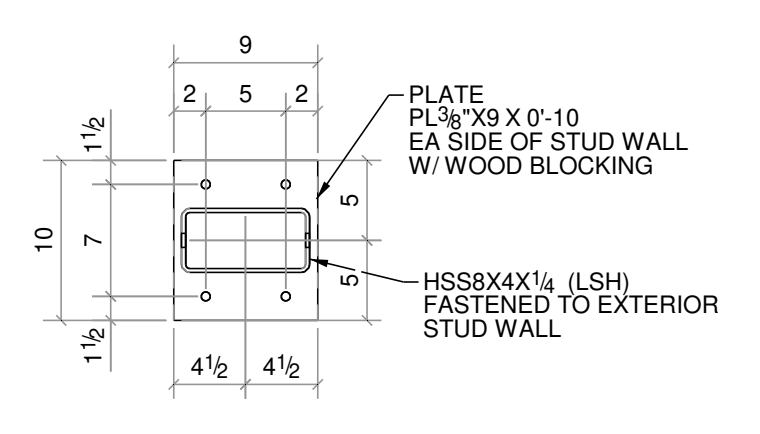
11 PLAN VIEW



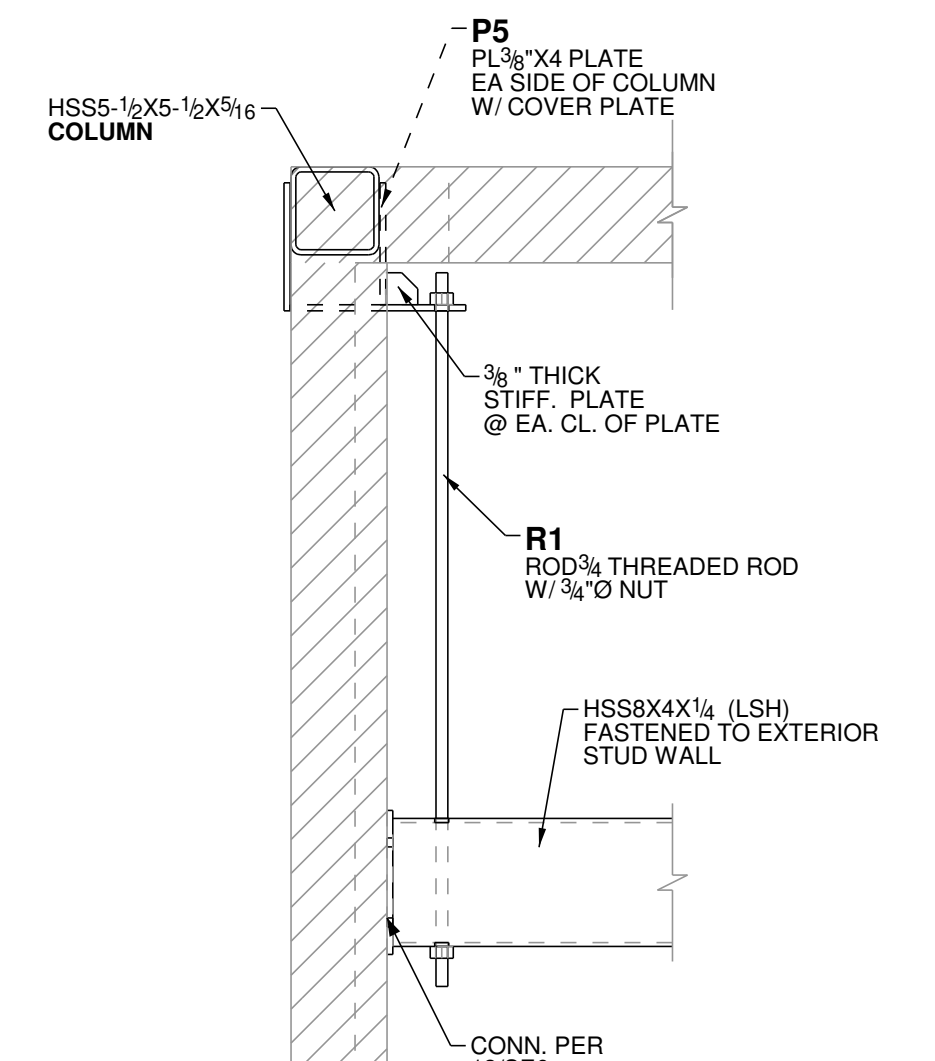
11A ELV. VIEW



12 TYP. THREADED ROD DETAIL



13 DETAIL

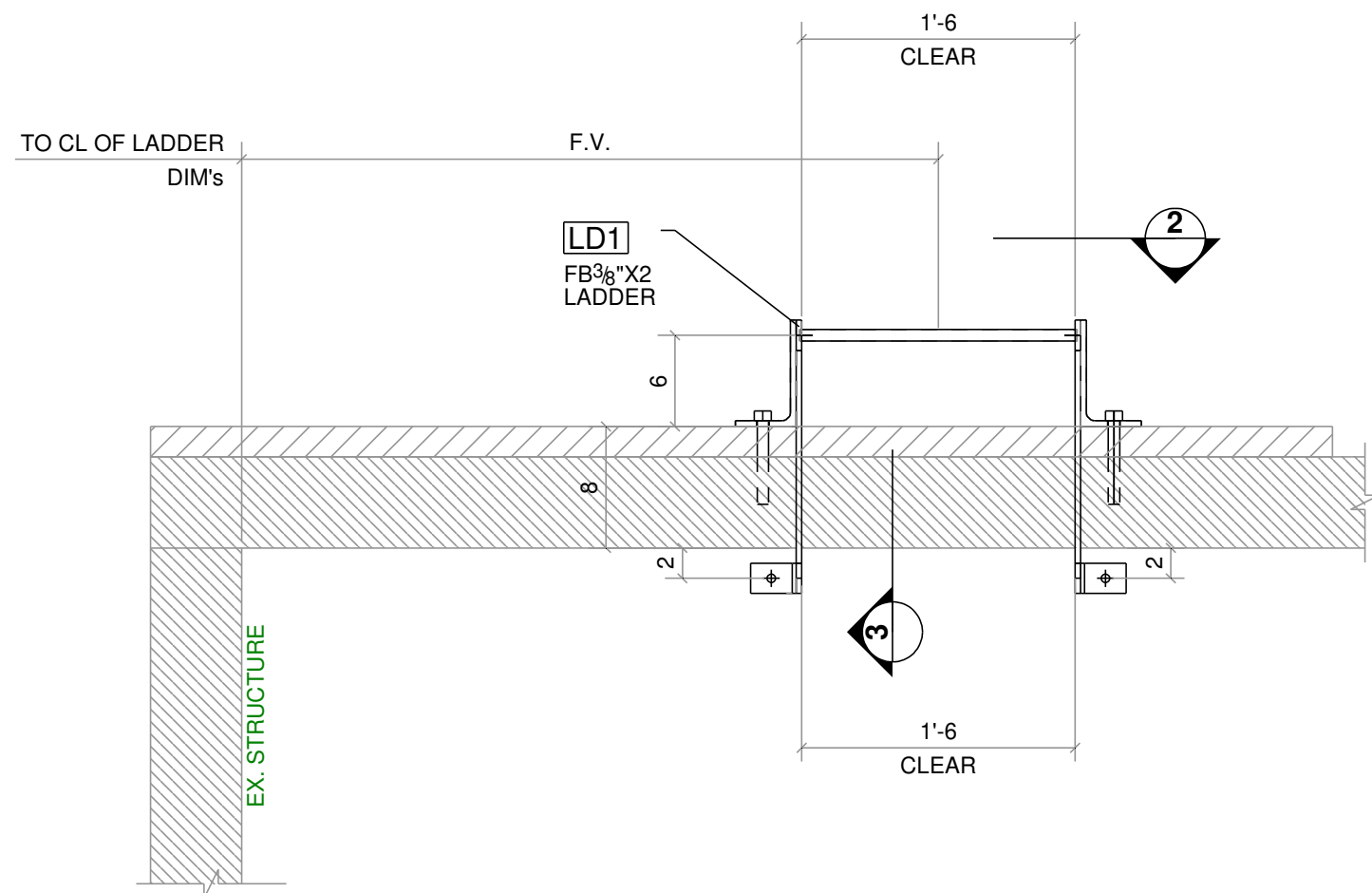


14 TYP. THREADED ROD @ CORNER

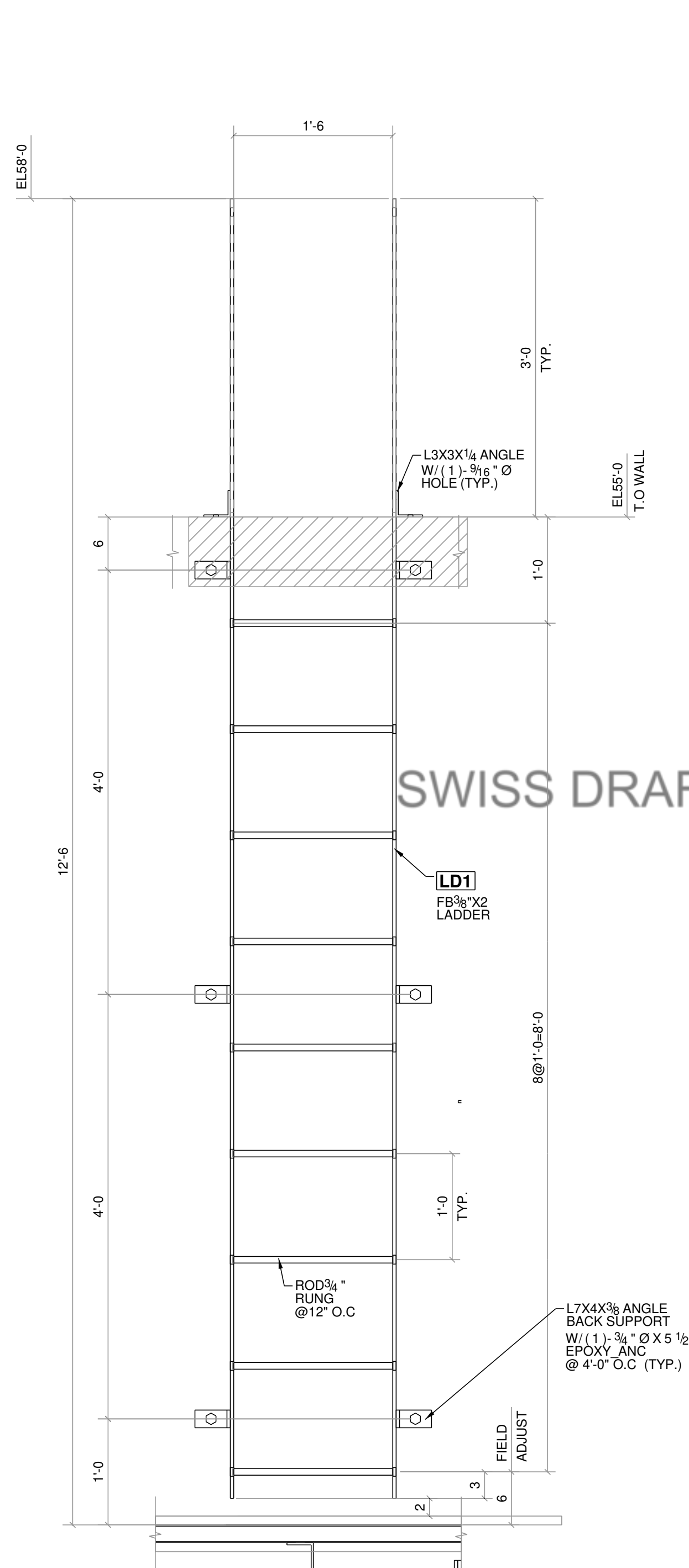
ALL STAIR COMPONENTS TO BE PRIME AND PAINTED BLACK.

NOTE TO GC/FABRICATOR:
FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION.

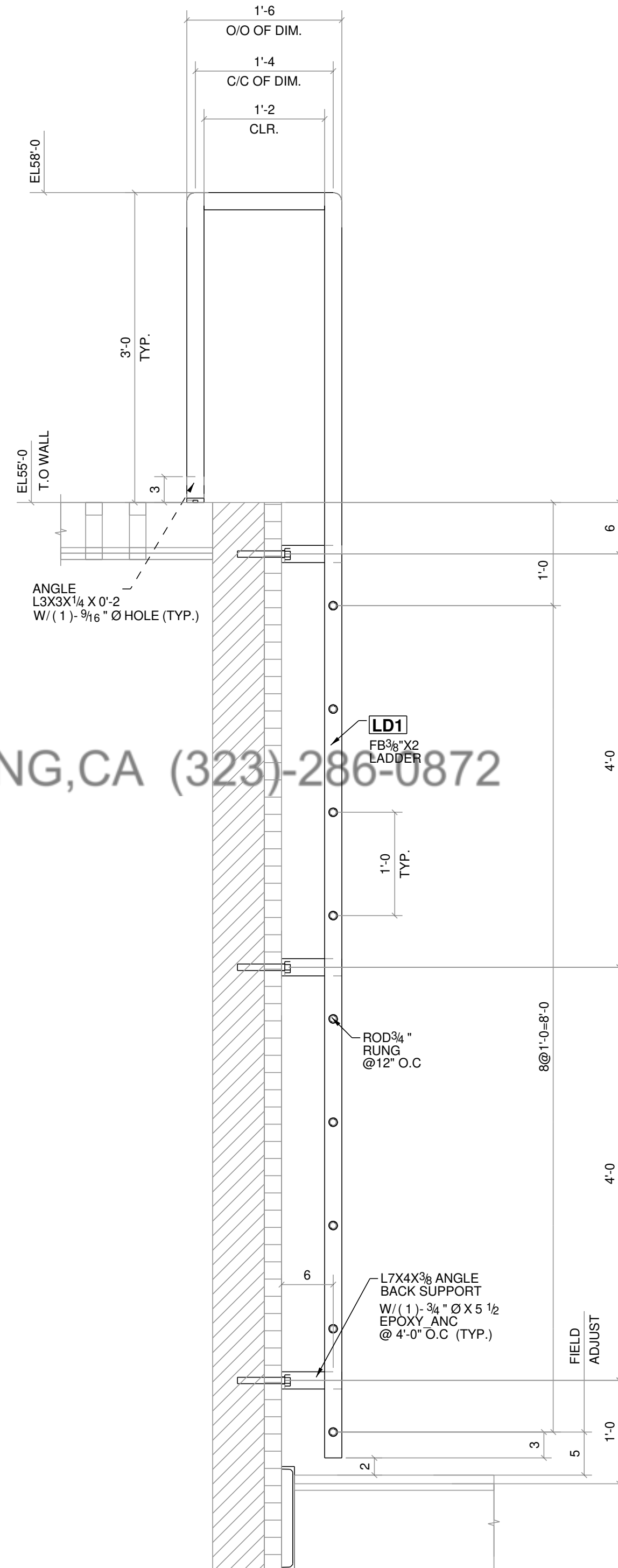
0	09/20/2023	ISSUED FOR FABRICATION
A	07/25/2023	ISSUED FOR APPROVAL
PROJECT NAME & LOCATION		
59 GOVE STREET East Boston, MA		
DWG. TITLE: STAIR DETAILS		
CUSTOMER:		
MATERIAL: W SHAPES: A992 PIPES: A53, Gr. B HSS SHAPES: A500, Gr. B PLATES/CHANNELS: A36	HOLE SIZE:	13/16 DIA. U/N
	ELECTRODES:	E70XX
	FINISH:	AS PER SPEC.
	BOLT:	A325N
DRAWN BY: RH		DATE: 07/17/2023
CHKD BY: AS		DATE: 07/24/2023
DWG. NO. SE6		REVISION 0



1 LADDER PLAN
REF. 5/A5



2 SECTION
REF. 5/A5

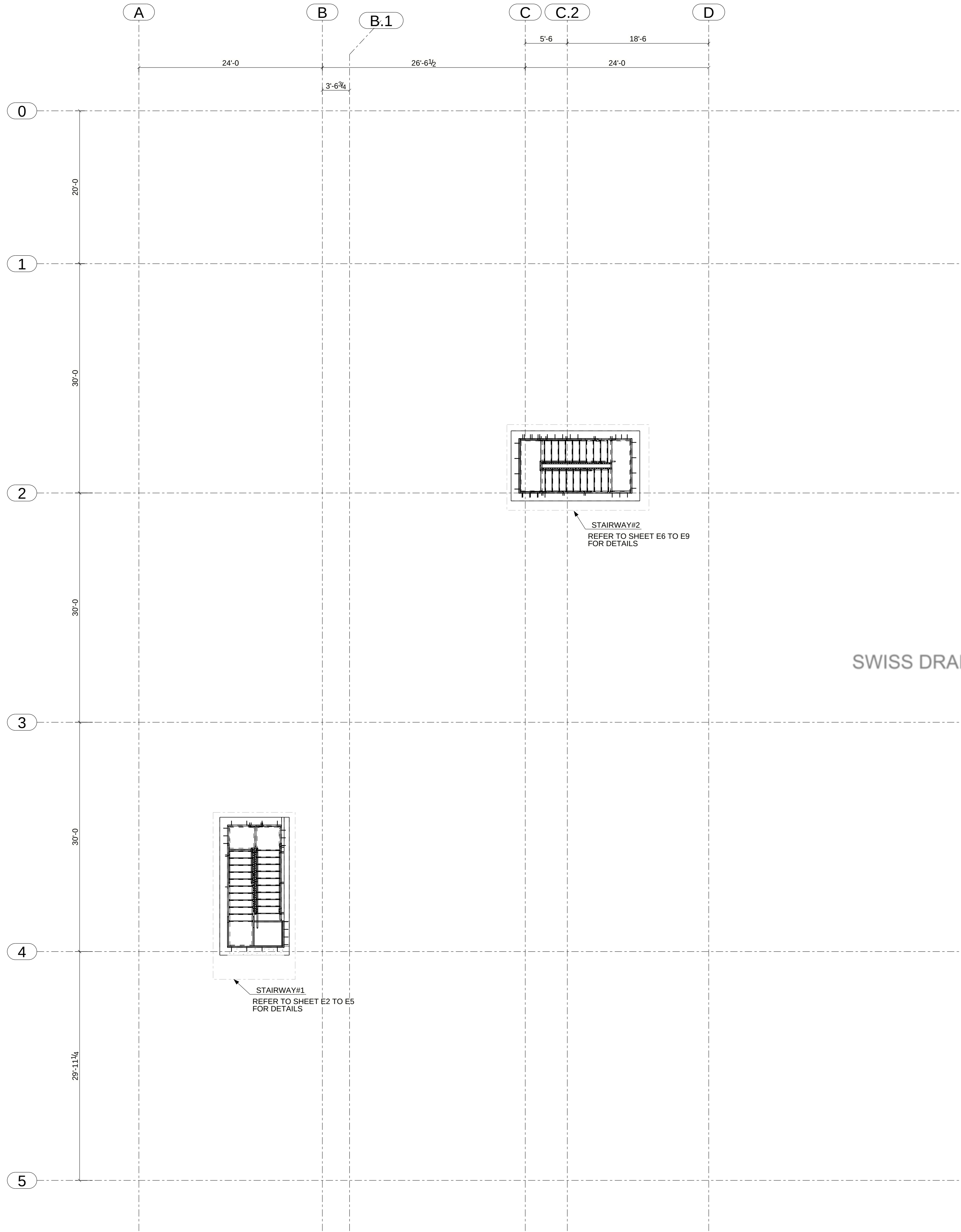


3 SECTION
REF. 5/A5

ALL STAIR COMPONENTS TO BE
PRIME AND PAINTED BLACK.

0	09/20/2023	ISSUED FOR FABRICATION
A	07/25/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION 59 GOVE STREET East Boston, MA				
DWG. TITLE: LADDER DETAILS				
CUSTOMER:				
MATERIAL: W SHAPES: PIPS: RSS SHAPES: PLATES/CHANNELS:	A992 A53, Gr. B A500, Gr. B A36	HOLE SIZE:	13/16 DIA. U/N	DRAWN BY: RH DATE: 07/17/2023
		ELECTRODES:	E70XX	CHK'D BY: AS DATE: 07/24/2023
		FINISH:	AS PER SPEC.	DWG. NO. SE7 REVISION 0
JOB NO. ---		BOLT:	A325N	



SWISS DRAFTING,CA (323)-286-0872

APPROVER NOTE:

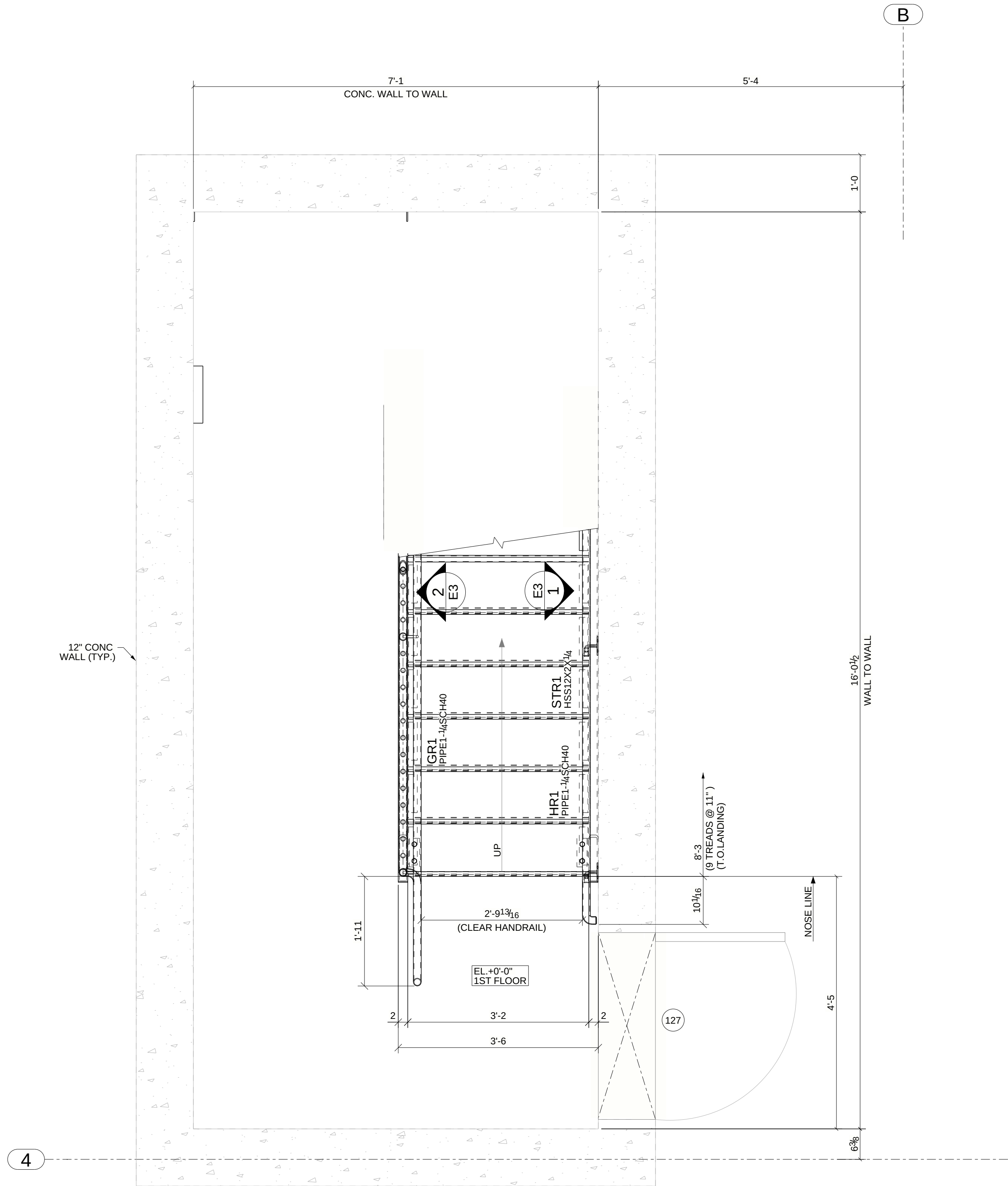
1. THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.

2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.

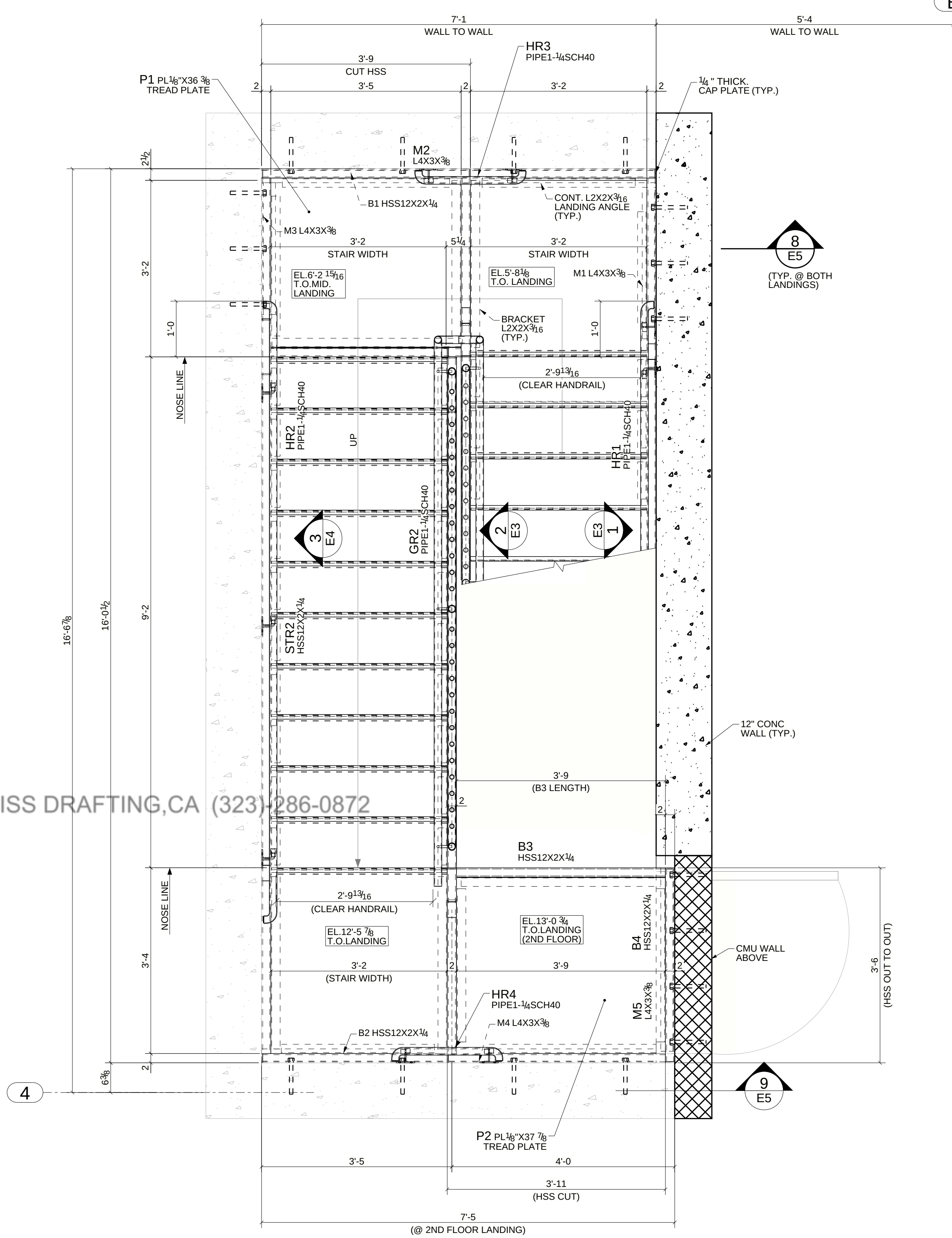
E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	PROGRESS SET	02/19/2025
REV	DESCRIPTION	DATE
DESCRIPTION	OVERALL FRAMING LAYOUT PLAN	
PROJECT NAME	310 GREAT ROAD	
DRAWN BY		JOB No.
DATE DRAWN	02/17/2025	DRG No. E1

SECOND FLOOR OVERALL PLAN
(REF.: 1/A-2.0)

TEKS Structures



A 1ST FLOOR STAIR 1 ENLARGED PLAN
E2 (REF:- 3/A-8.0)



B 2ND FLOOR STAIR 1 ENLARGED PLAN
E2 (REF:- 2/A-8.0)

NOTE TO ARCHITECT:
ARCH. PLEASE VERIFY ALL
DIMENSIONS AND ELEVATIONS

APPROVER NOTE:

1. THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

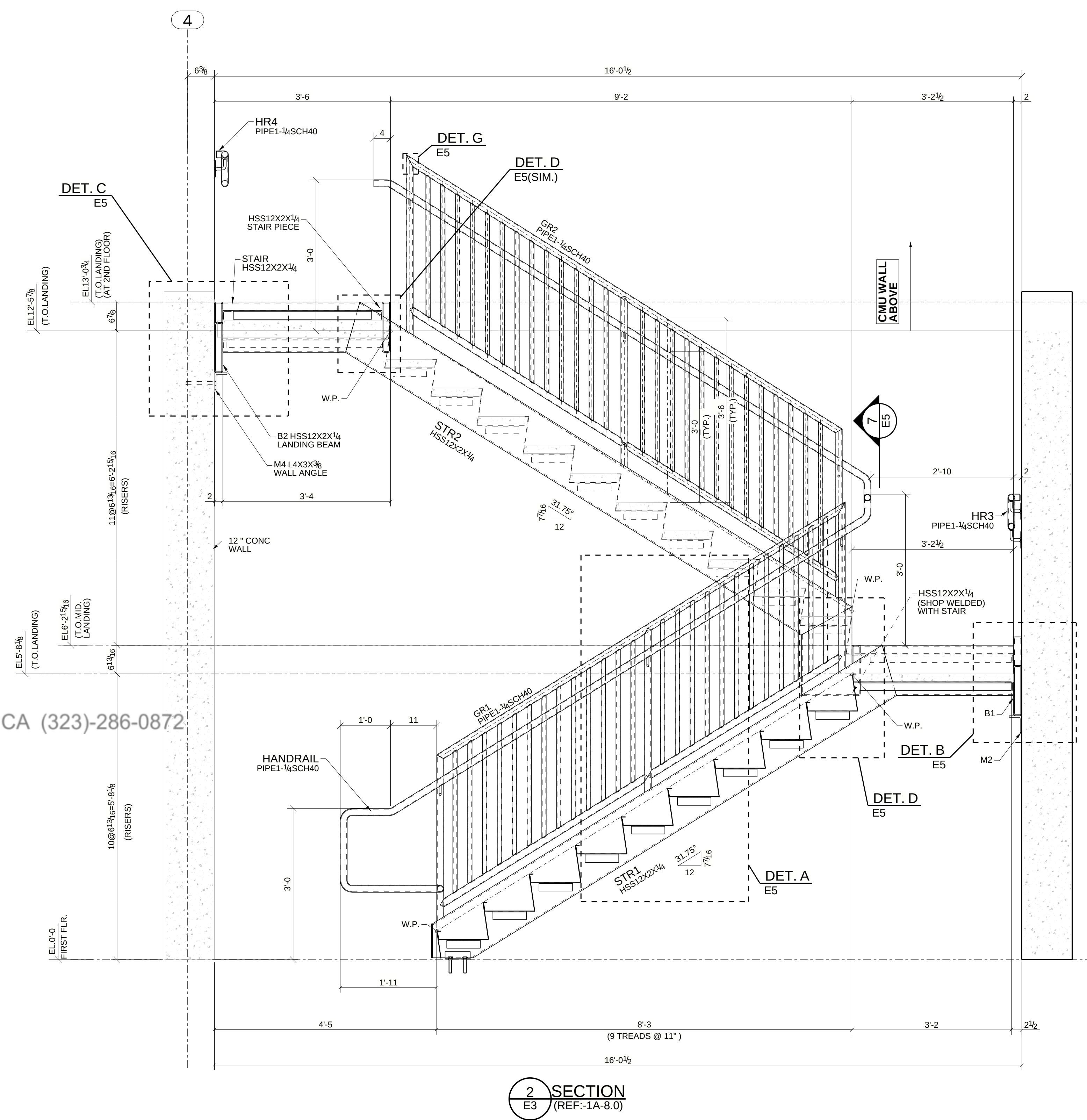
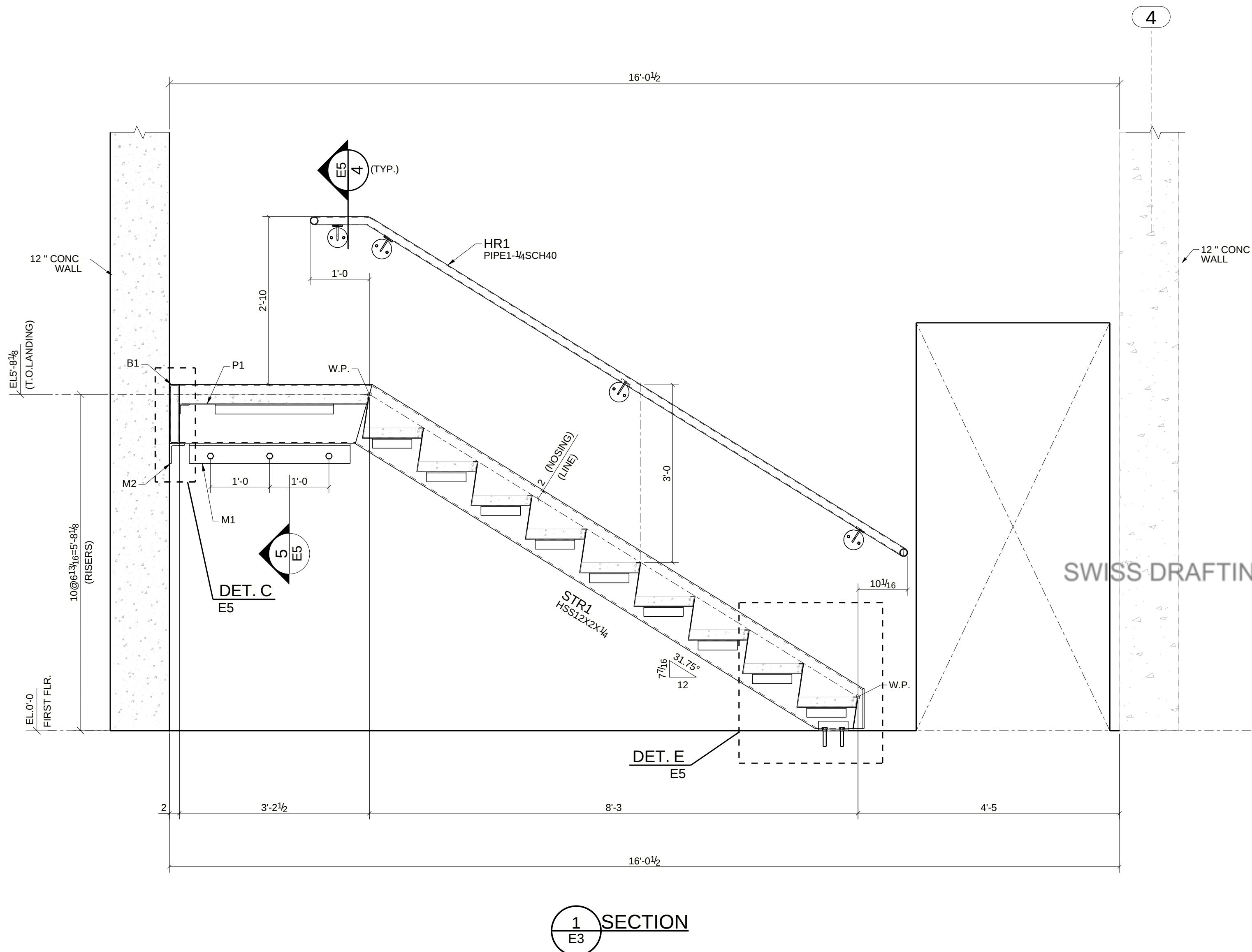
ARCHITECT/ G.C. PLEASE CONFIRM STAIR FRAMING DIMENSIONS AS CLOUDED ACCEPTABLE AS DETAILED PER ARCH'L DWGs. ANY FURTHER CHANGES REQUIRED MUST BE MARKED CLEARLY ON APPROVAL RETURN.



- GENERAL NOTES:**
1. DATUM ELEVATION=0'-0"
 2. ALL ELEVATION ARE GIVEN FROM DATUM ELEVATION.
 3. REFER SHEET E3 & E4 STAIR ELEVATION.

E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	FOR APPROVAL	02/19/2025
REV	DESCRIPTION	DATE
DESCRIPTION	1ST FLOOR STAIR 1 ENLARGED PLAN	
PROJECT NAME	310 GREAT ROAD	
DRAWN BY		JOB No.
DATE DRAWN	02/17/2025	DRG No. E2

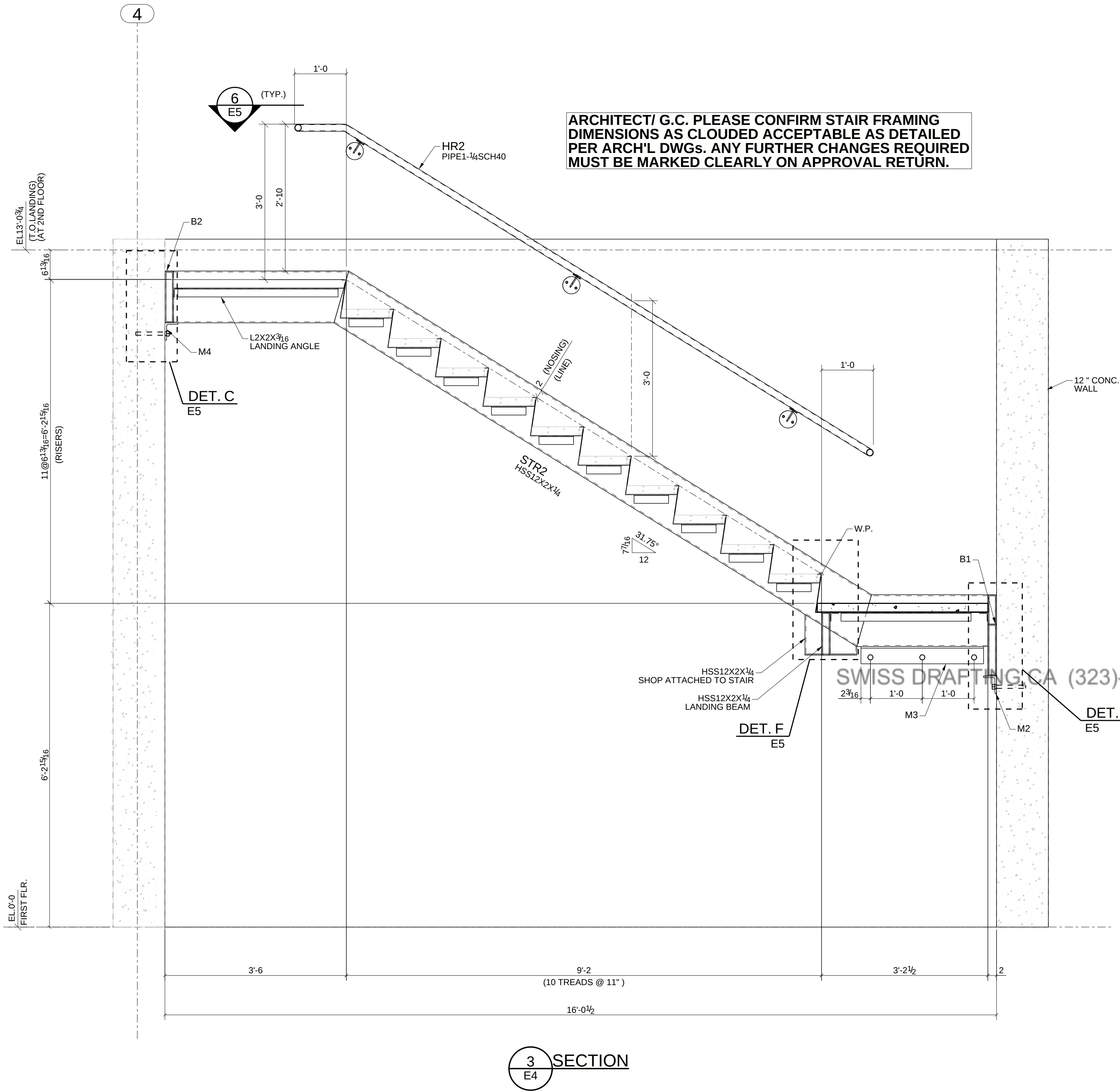
ARCHITECT/ G.C. PLEASE CONFIRM STAIR FRAMING
DIMENSIONS AS CLOUDED ACCEPTABLE AS DETAILED
PER ARCH'L DWGS. ANY FURTHER CHANGES REQUIRED
MUST BE MARKED CLEARLY ON APPROVAL RETURN.



NOTE TO ARCHITECT:
ARCH. PLEASE VERIFY ALL
DIMENSIONS AND ELEVATIONS

APPROVER NOTE:
1. THESE DWGS ARE OUR INTERPRETATION
OF CONTRACT DWGS & WILL BE ASSUMED
TO BE CORRECT AS SHOWN UNLESS
MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL
BE ASSUMED TO BE CORRECT AS SHOWN UNLESS
MARKED OTHERWISE ON THE APPROVAL DWGS.

E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	FOR APPROVAL	02/19/2025
REV	DESCRIPTION	DATE
DESCRIPTION	STAIR 1 ELEVATIONS	
PROJECT NAME	310 GREAT ROAD	
DRAWN BY		JOB No.
DATE DRAWN	02/17/2025	DRG No. E3



ARCHITECT/ G.C. PLEASE CONFIRM STAIR FRAMING DIMENSIONS AS CLOUDED ACCEPTABLE AS DETAILED PER ARCH'L DWGS. ANY FURTHER CHANGES REQUIRED MUST BE MARKED CLEARLY ON APPROVAL RETURN.

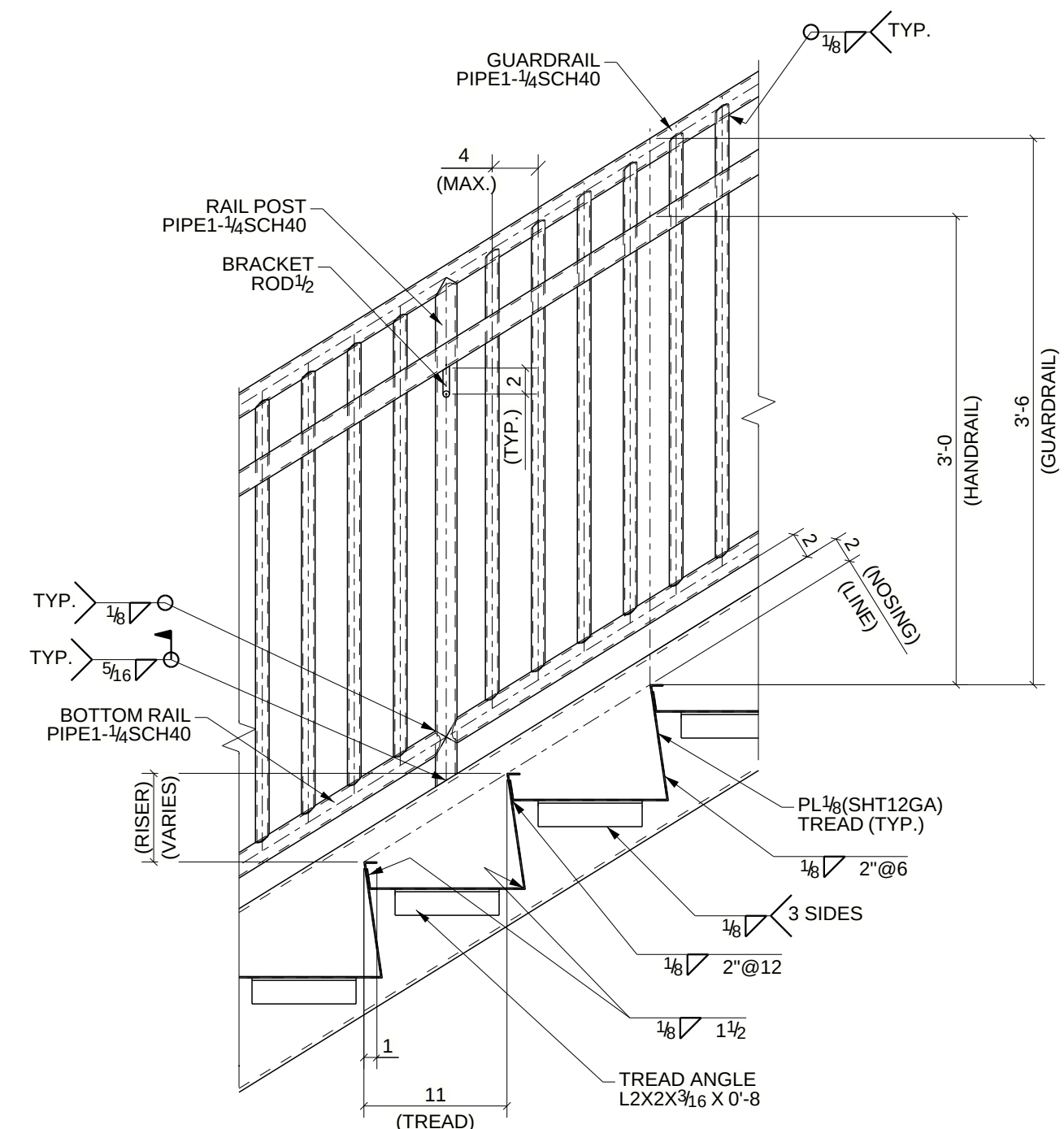
NOTE TO ARCHITECT:
ARCH. PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS

APPROVER NOTE:

1. THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.

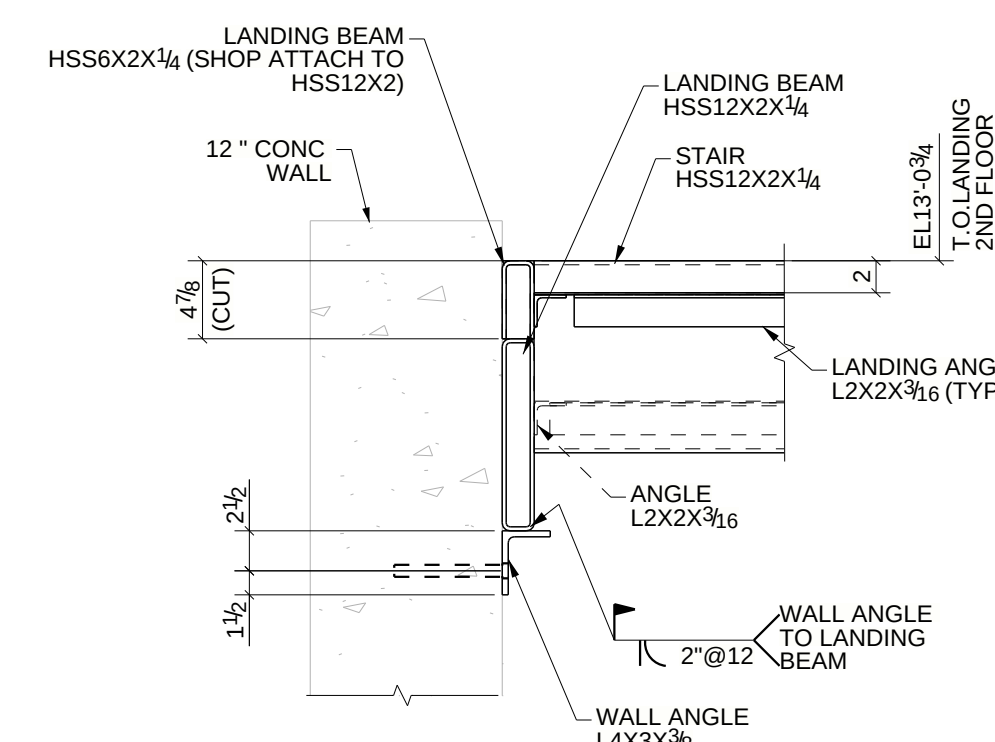
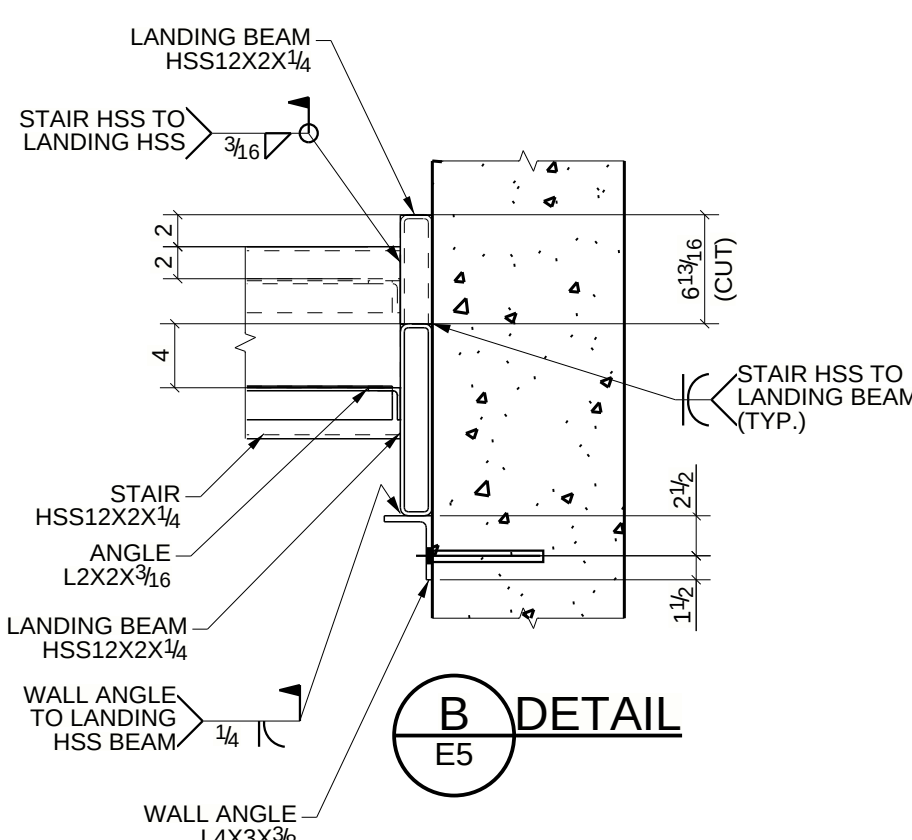
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.

E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	FOR APPROVAL	02/19/2025
REV	DESCRIPTION	DATE
DESCRIPTION	STAIR 1 ELEVATIONS	
PROJECT NAME	310 GREAT ROAD	
DRAWN BY		JOB No.
DATE DRAWN	02/17/2025	DRG No. E4

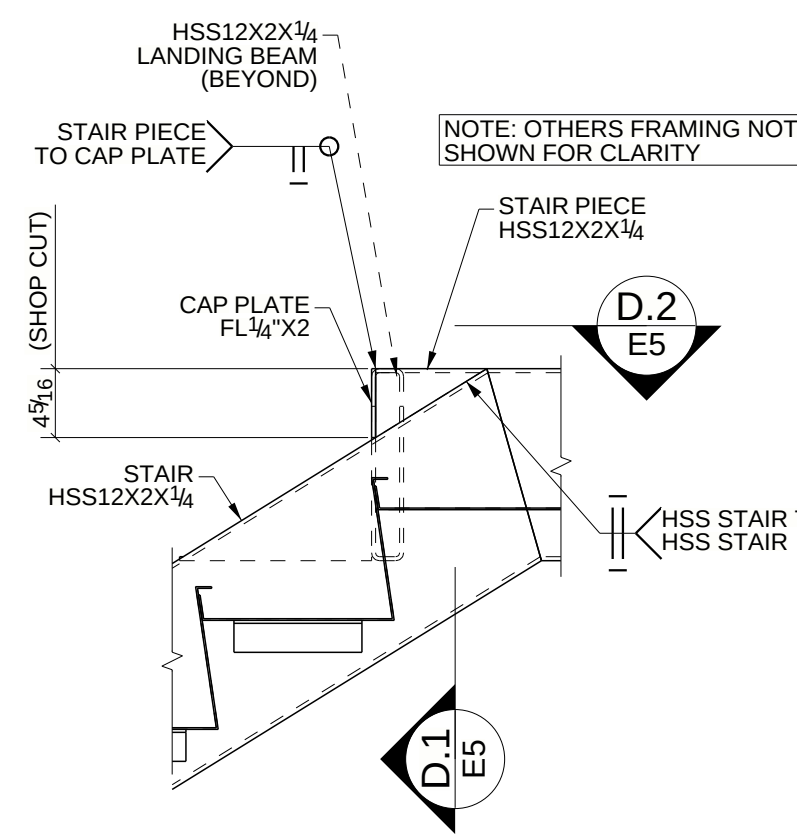


NOTE TO EOR:

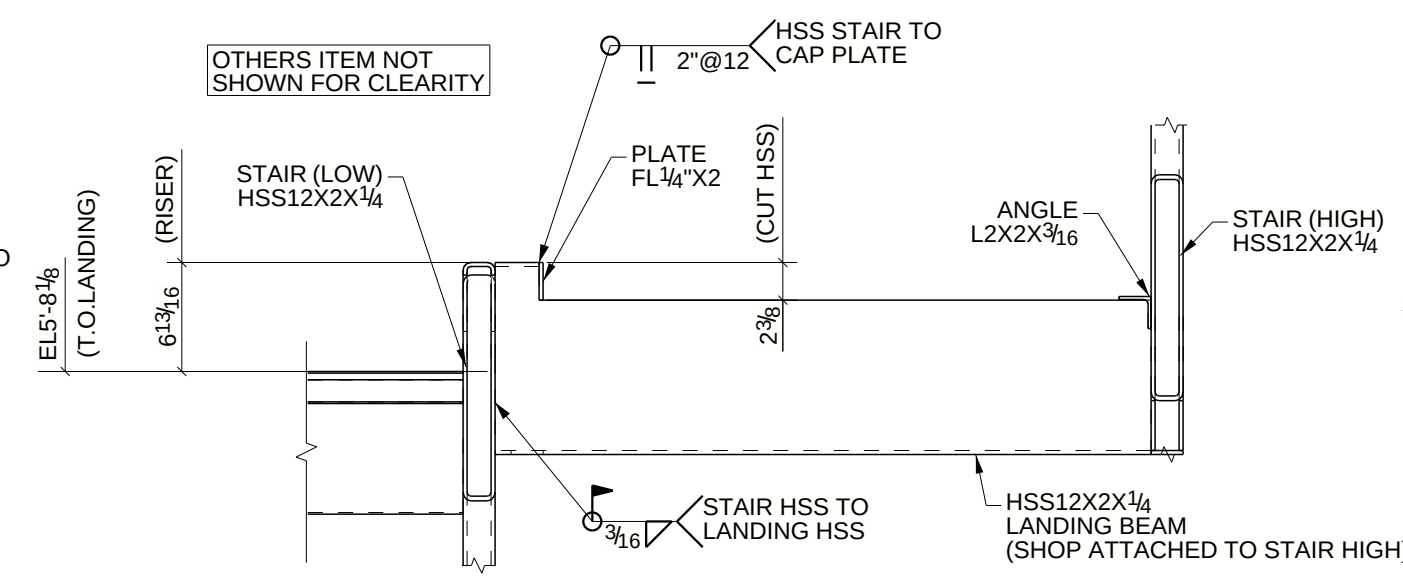
PLEASE REFER SECTION DETAIL SHEET E9 FOR
STAIR#2 WITH THIS SHEET FOR ANY SIMILAR
INFO NOT SHOWN.



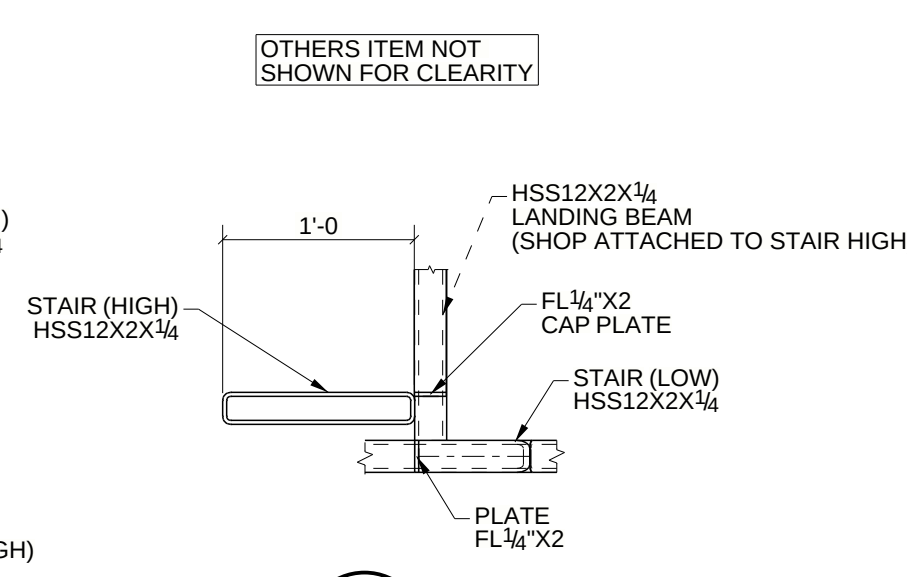
C DETAIL AT 2ND FLOOR LANDING



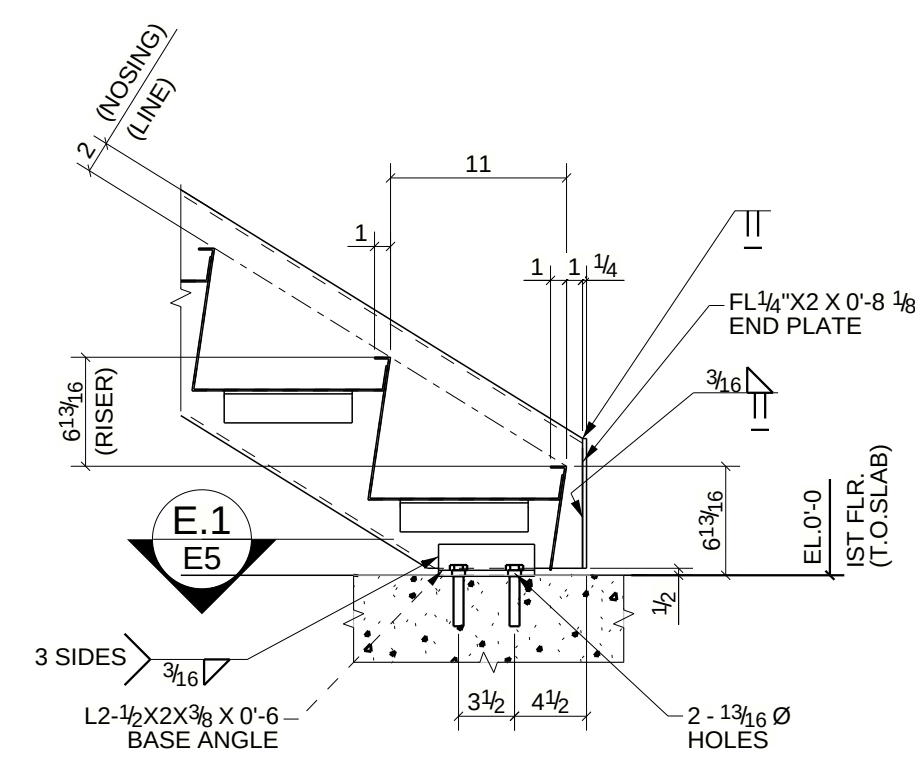
D DETAIL



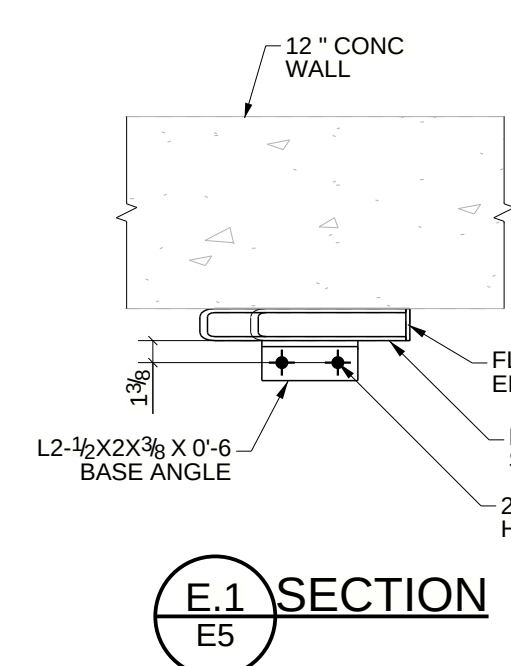
D.1
E5



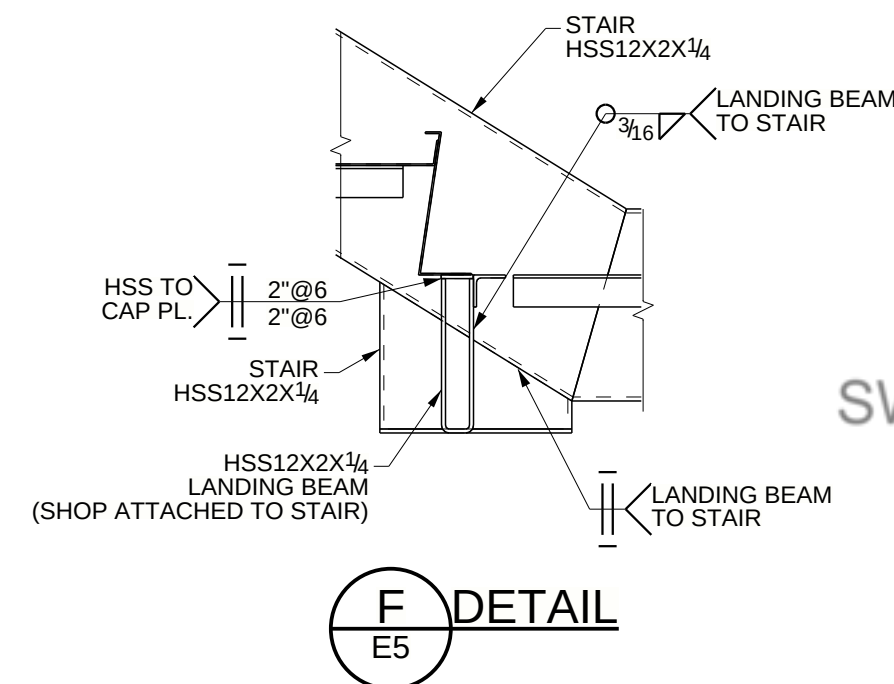
D.2 SECTION
E5



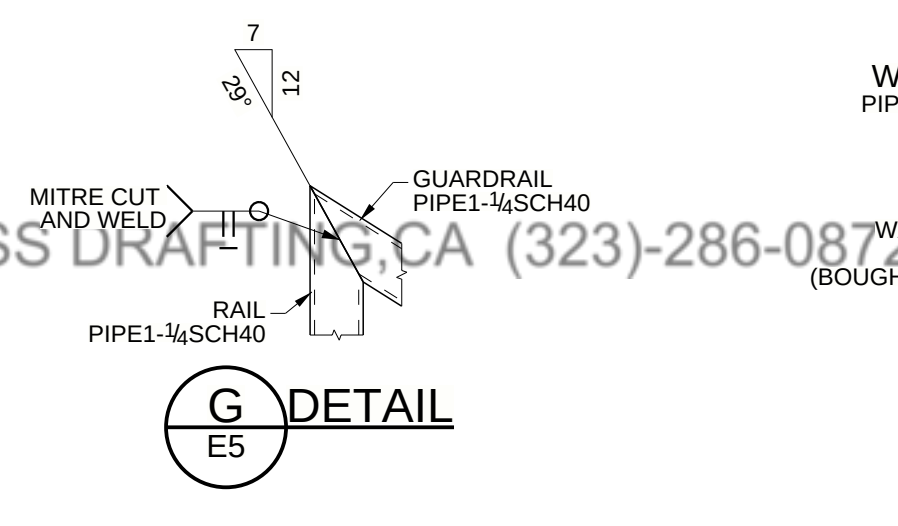
E DETAIL
E5



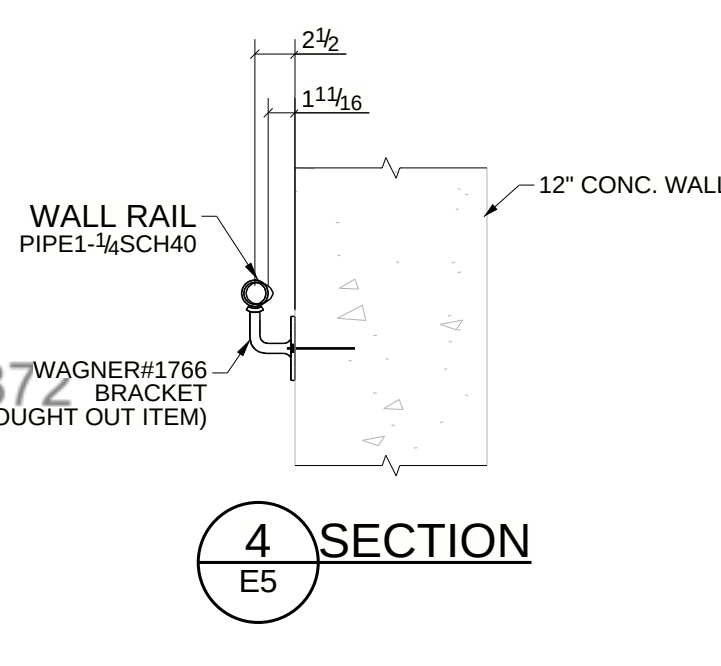
E.1 SECTION



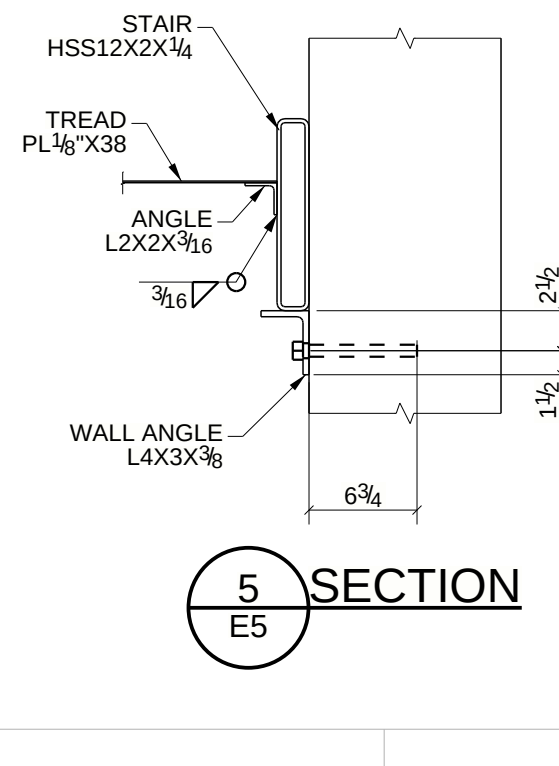
F DETAIL
F5



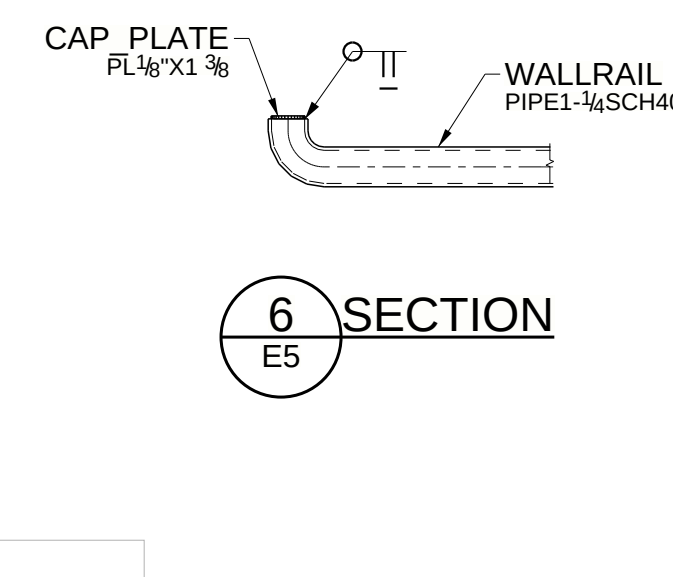
G **DETAIL**



4 SECTION



5 SECTION



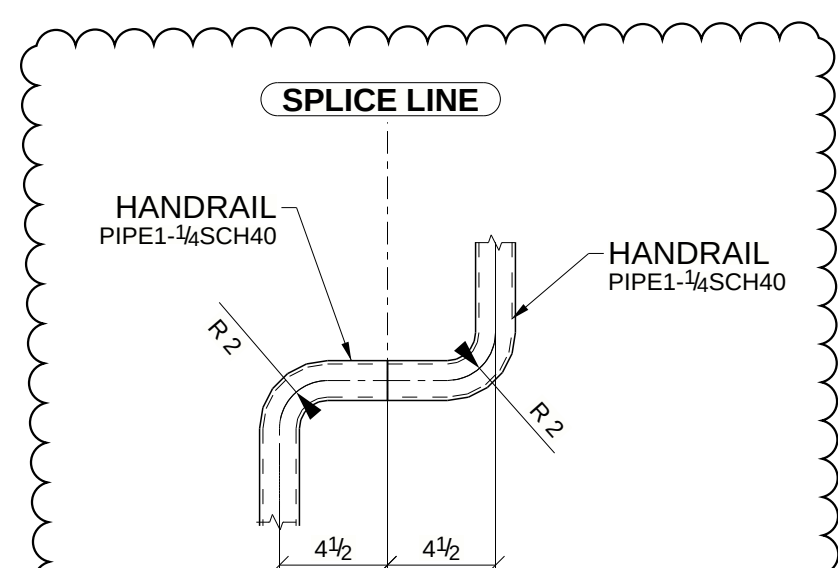
6 SECTION

WAGNER BRACKET
CONNECTION
WITH CONC. WALL

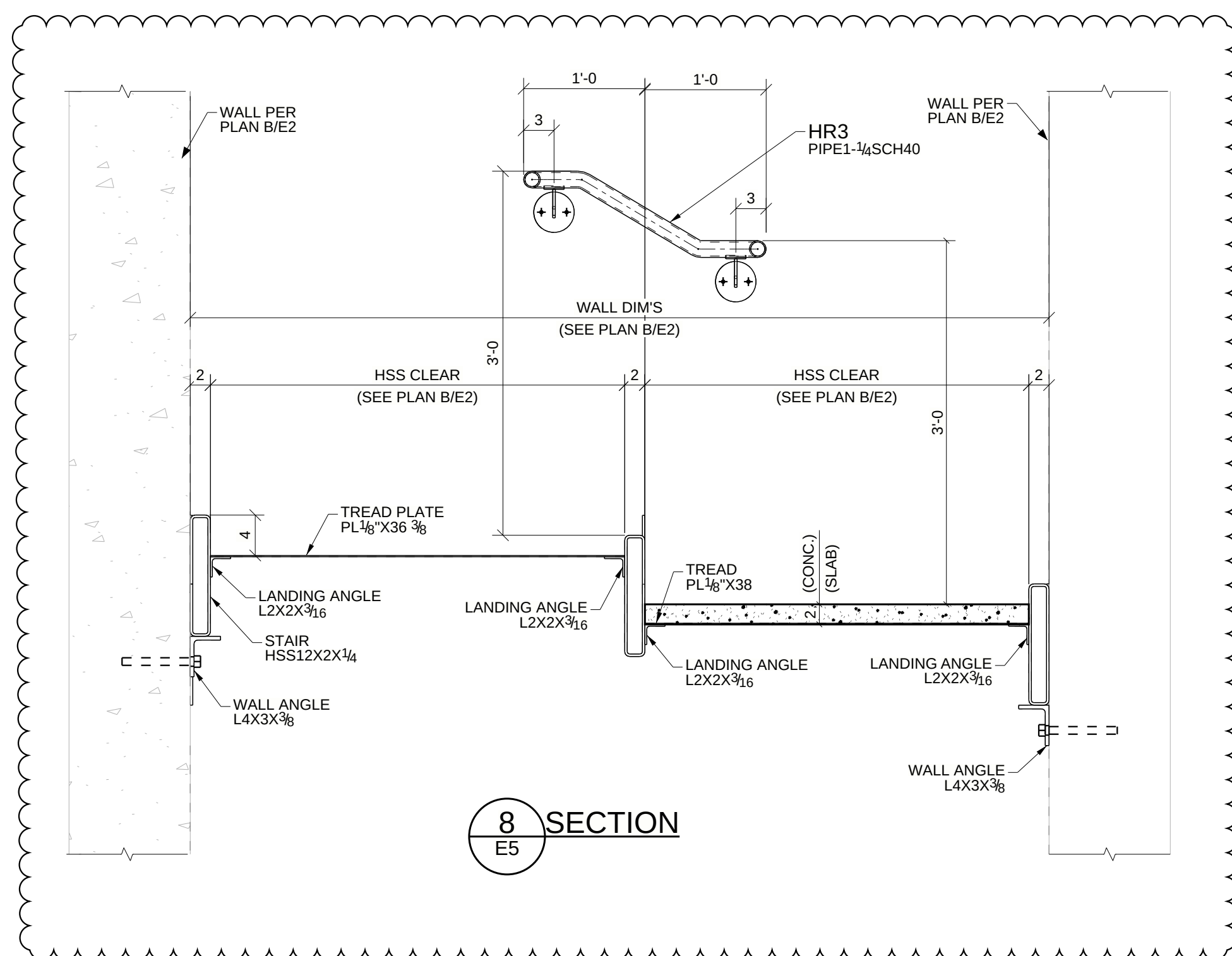
3/8 Ø HAS-V-36(F1554 GR.36)
USING HITI HIT-RE 500 V3
3" EMBED

WALL ANGLE CONNECTION WITH CONC. WALL

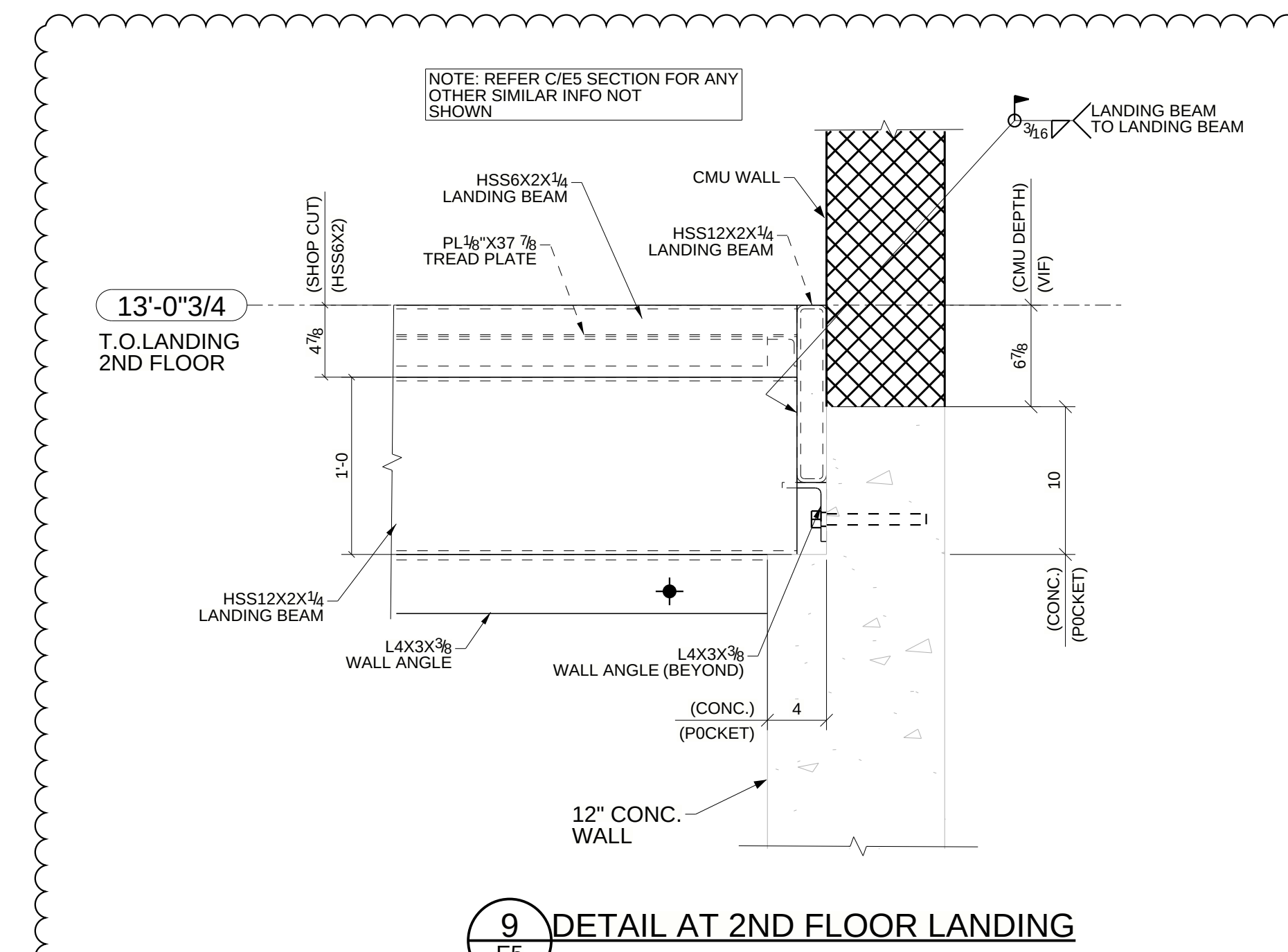
15/16 "Ø HOLES FOR
3/4"Ø HAS-V-36(F1554 GR.36)
@ 63/4 EMBED
USING HITI HIT-RE 500 V3



ARCH. PLEASE VERIFY THE SPLICE
SECTION FOR RAIL AT
LANDING



ARCHITECT PLEASE VERIFY THIS LANDING
ARRANGEMENT WITH SMALL
STEP WALL RAIL AS DRAWN



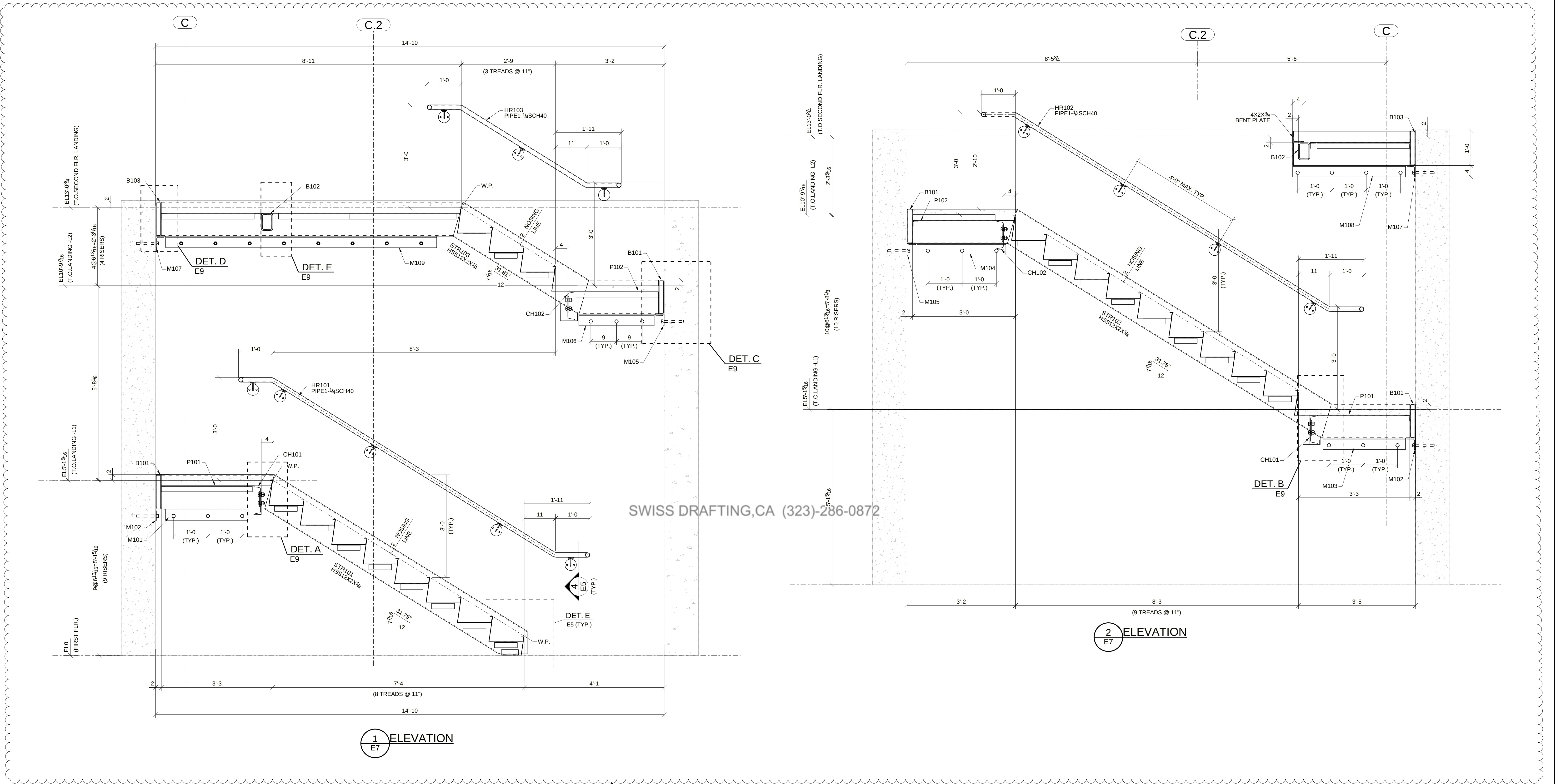
ARCHITECT PLEASE VERIFY THIS FRAMING
ARRANGEMENT AT 2ND FLOOR LANDING

APPROVER NOTE:

1. THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	FOR APPROVAL	02/19/2025
REV	DESCRIPTION	DATE

DESCRIPTION	STAIR SECTIONS & DETAILS		
PROJECT NAME	310 GREAT ROAD		
DRAWN BY		JOB No.	DRG No. E5
DATE DRAWN	02/18/2025		

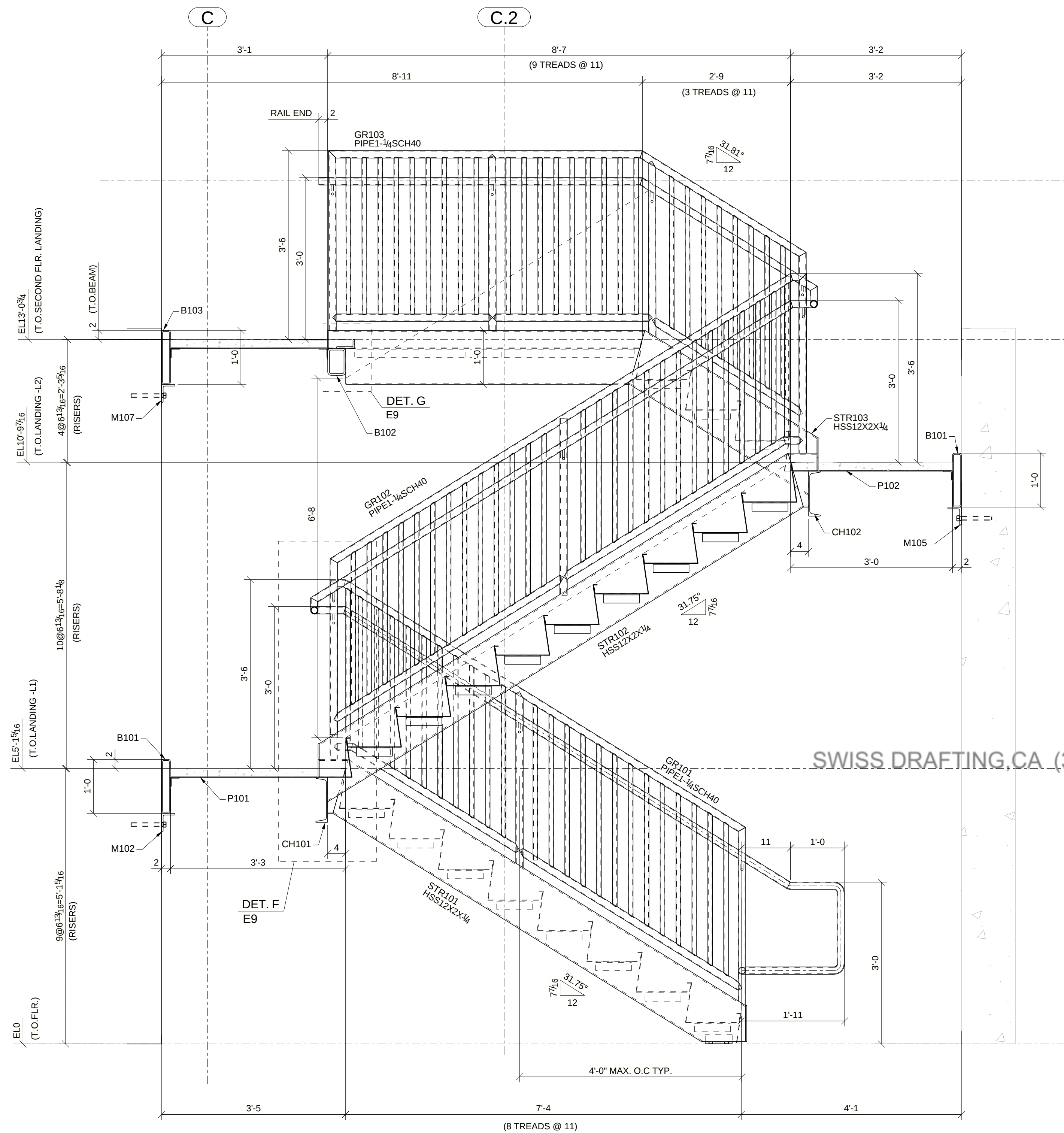


NOTE TO ARCHITECT:
ARCH. PLEASE VERIFY ALL
DIMENSIONS AND ELEVATIONS

ARCHITECT/ G.C. PLEASE CONFIRM STAIR FRAMING
DIMENSIONS AS CLOUDED ACCEPTABLE AS DETAILED
PER ARCH'L DWGs. ANY FURTHER CHANGES REQUIRED
MUST BE MARKED CLEARLY ON APPROVAL RETURN.

APPROVER NOTE:
1. THESE DWGs ARE OUR INTERPRETATION
OF CONTRACT DWGs & WILL BE ASSUMED
TO BE CORRECT AS SHOWN UNLESS
MARKED OTHERWISE ON THE APPROVAL DWGs.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL
BE ASSUMED TO BE CORRECT AS SHOWN UNLESS
MARKED OTHERWISE ON THE APPROVAL DWGs.

E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	FOR APPROVAL	02/19/2025
REV	DESCRIPTION	DATE
DESCRIPTION	STAIR 2 ELEVATIONS	
PROJECT NAME	310 GREAT ROAD	
DRAWN BY	JOB No.	DRG No. E7
DATE DRAWN		



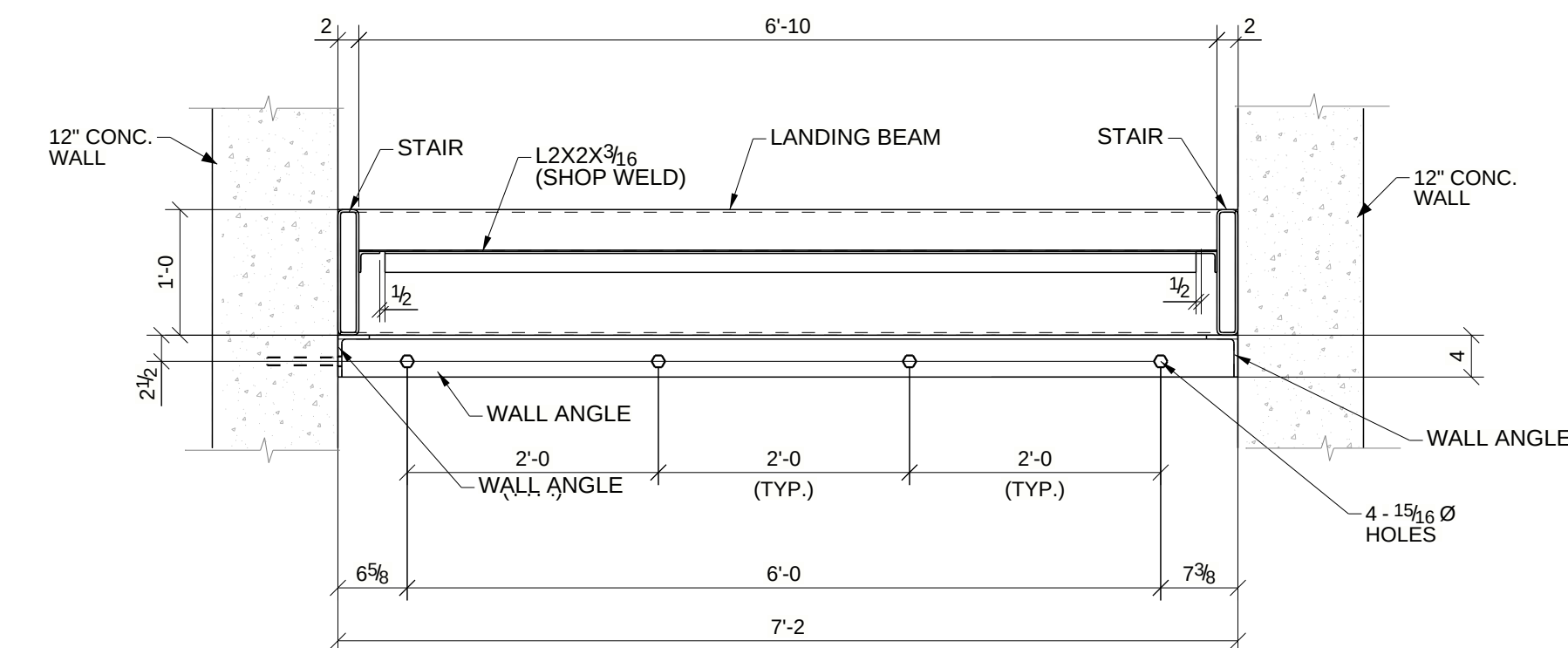
3 ELEVATION
E8 (REF: 1/A8.1)

NOTE TO ARCHITECT:
ARCH. PLEASE VERIFY ALL
DIMENSIONS AND ELEVATIONS

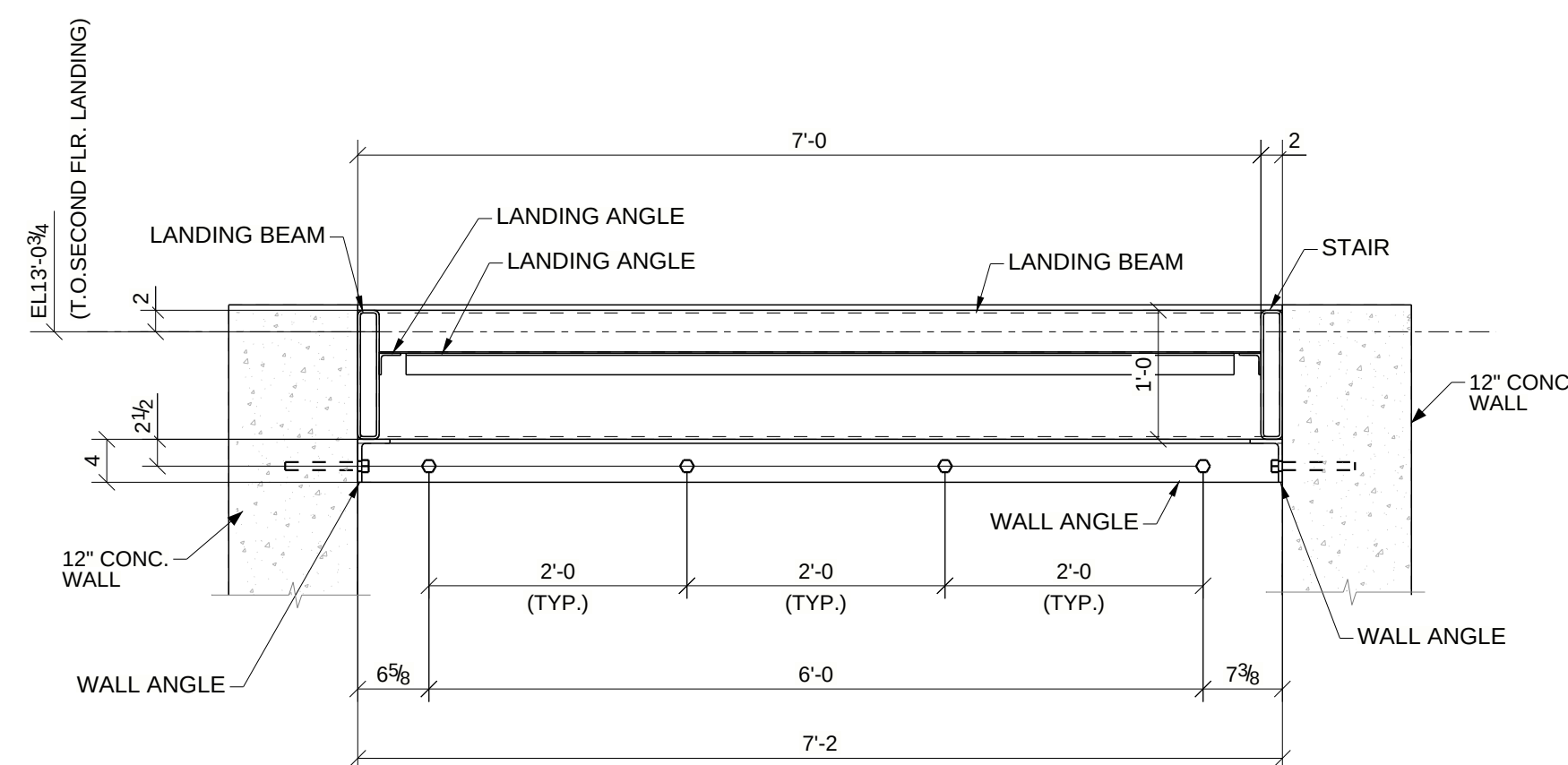
ARCHITECT/ G.C. PLEASE CONFIRM STAIR FRAMING
DIMENSIONS AS CLOUDED ACCEPTABLE AS DETAILED
PER ARCH'L DWGS. ANY FURTHER CHANGES REQUIRED
MUST BE MARKED CLEARLY ON APPROVAL RETURN.

APPROVER NOTE:

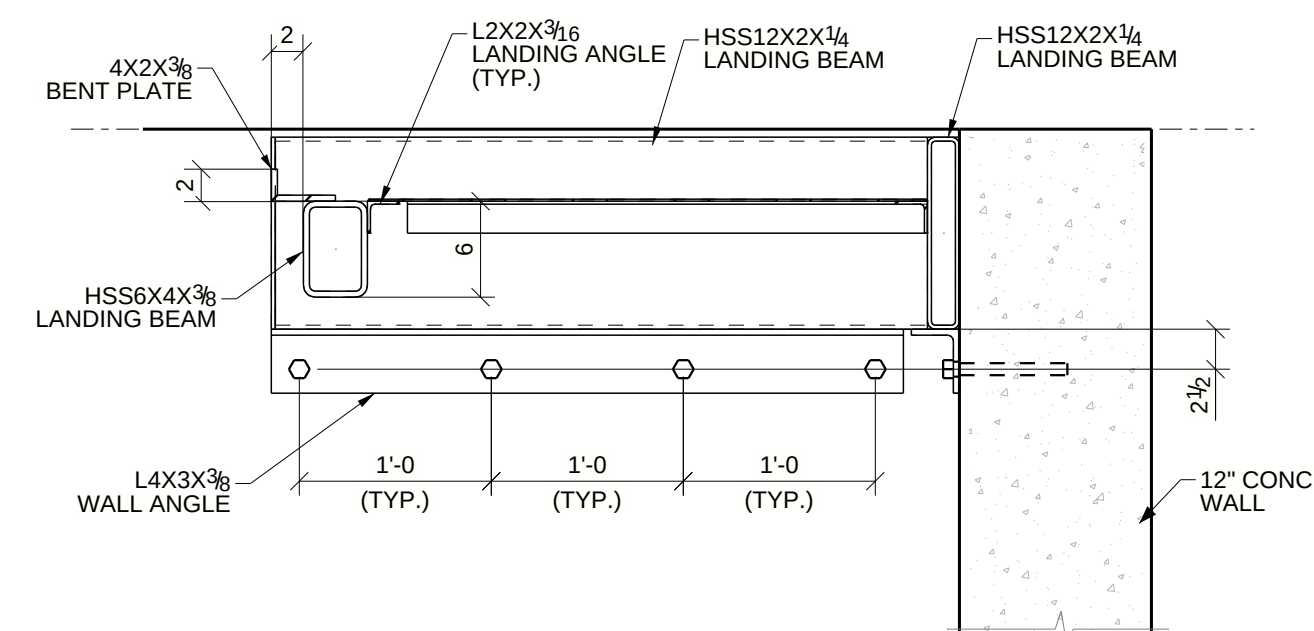
1. THESE DWGS ARE OUR INTERPRETATION
OF CONTRACT DWGS & WILL BE ASSUMED
TO BE CORRECT AS SHOWN UNLESS
MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL
BE ASSUMED TO BE CORRECT AS SHOWN UNLESS
MARKED OTHERWISE ON THE APPROVAL DWGS.



4 TYP BEAM SECTION @ BOTH LANDINGS
E8



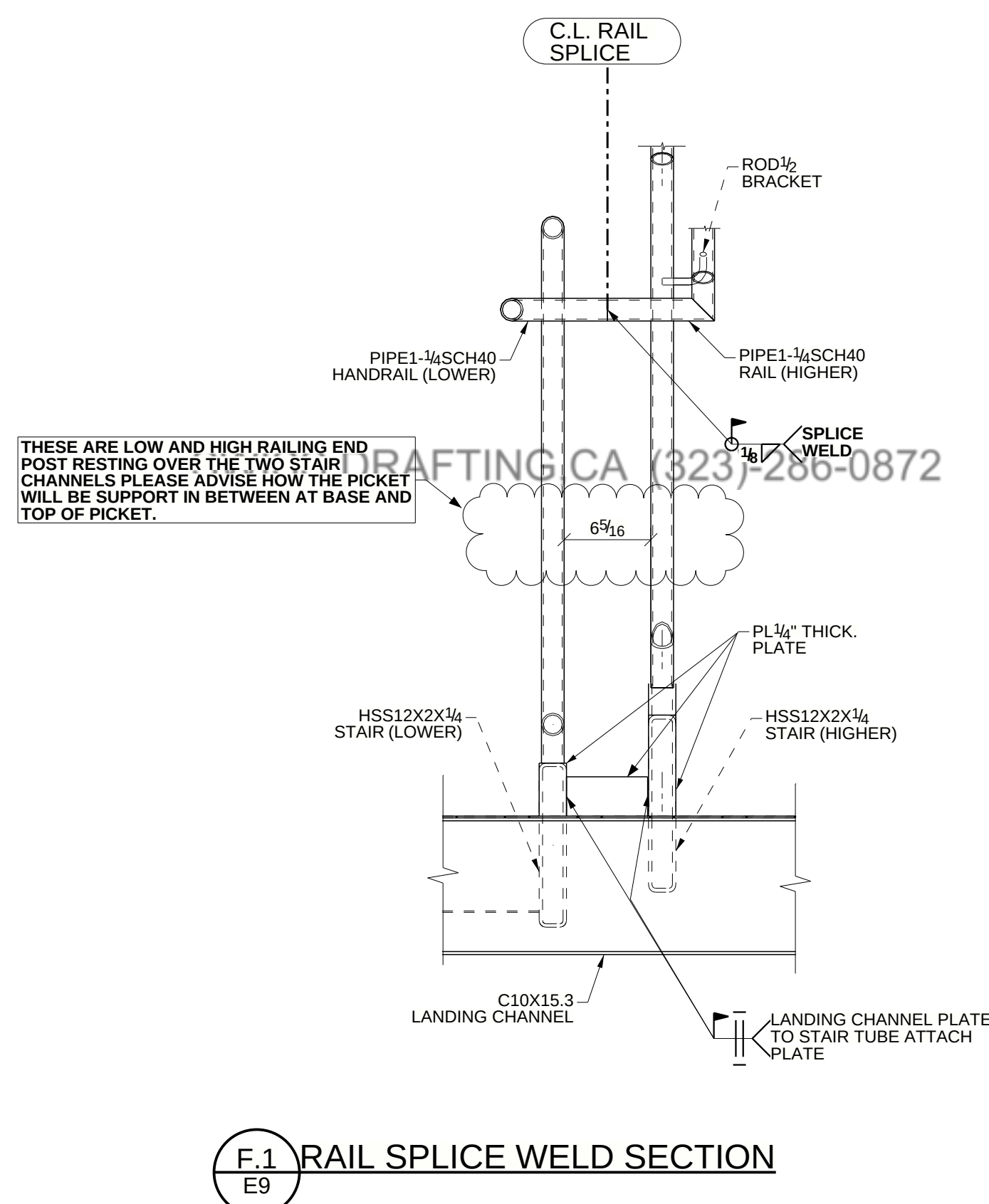
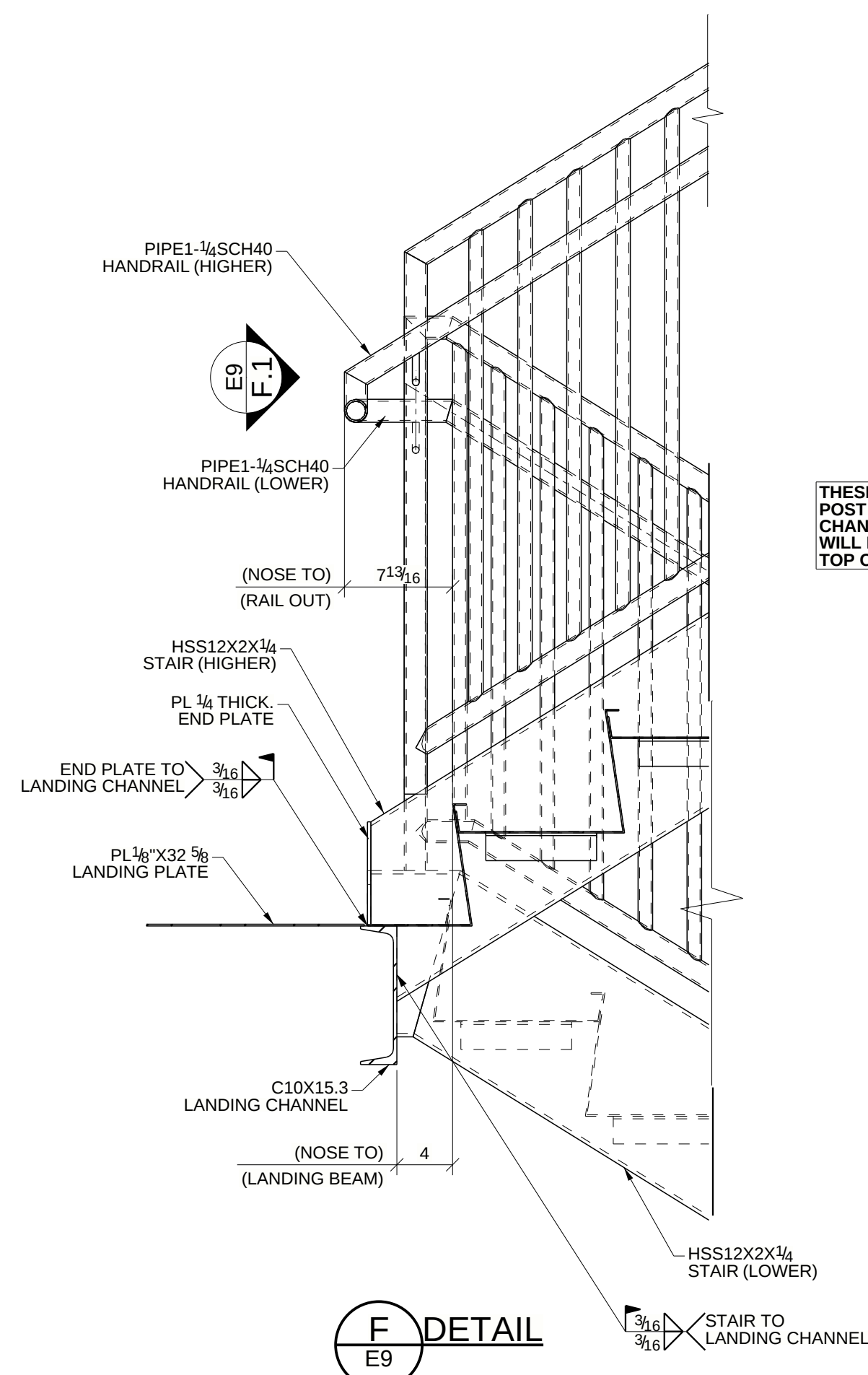
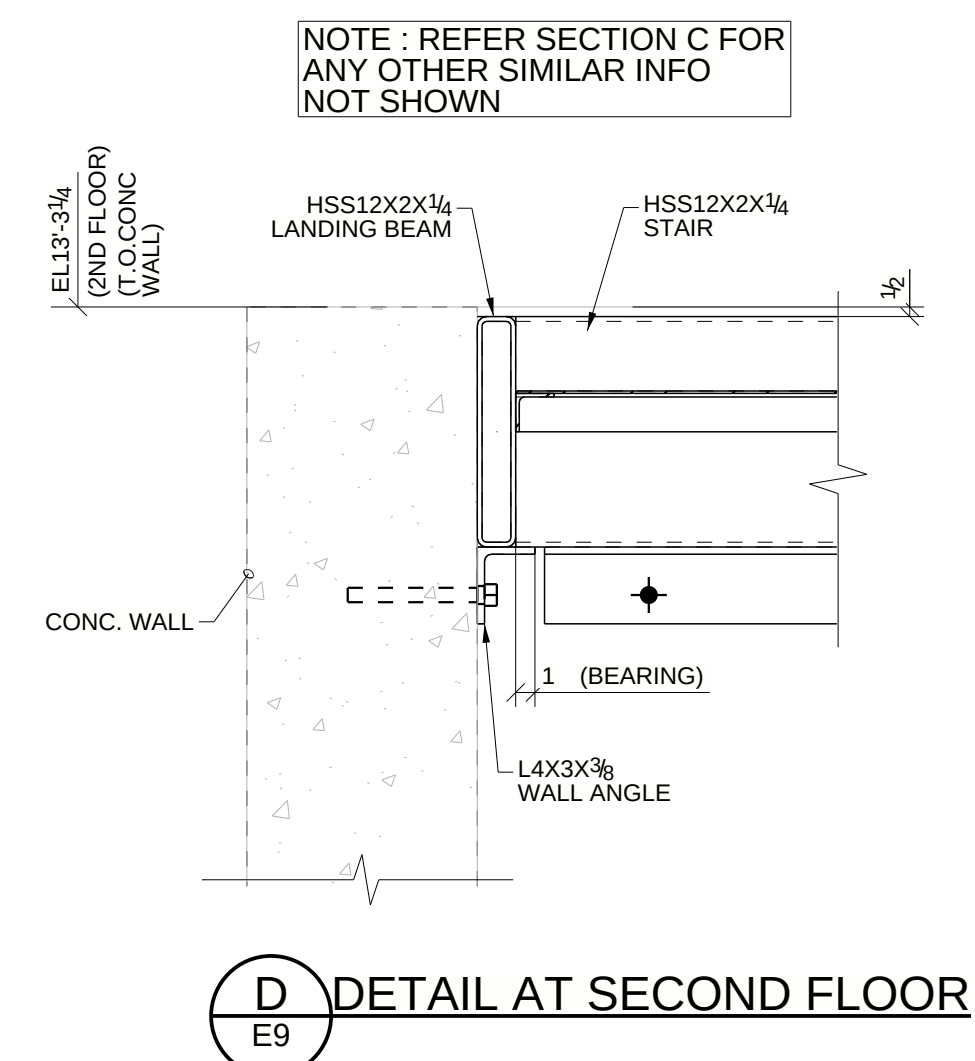
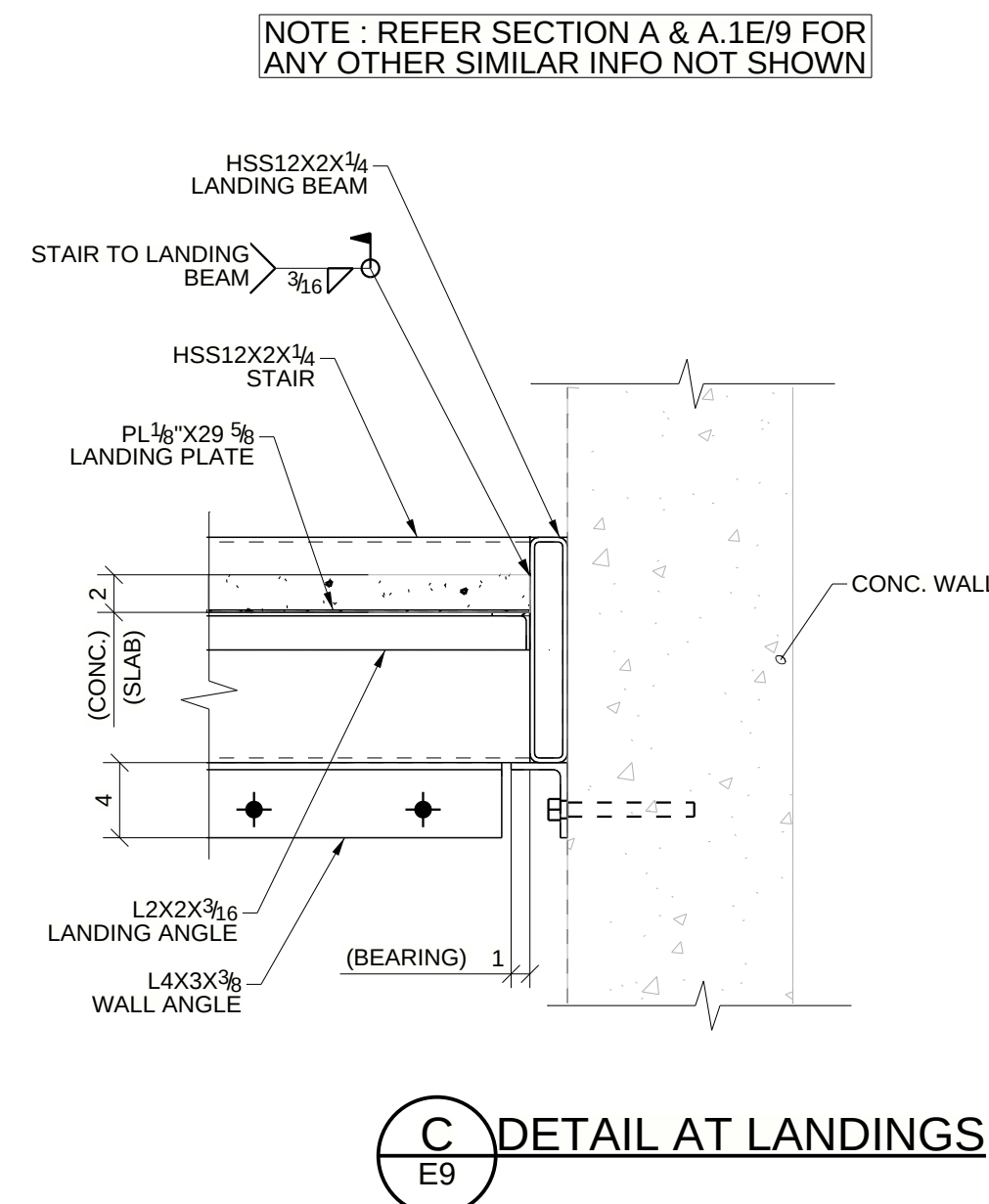
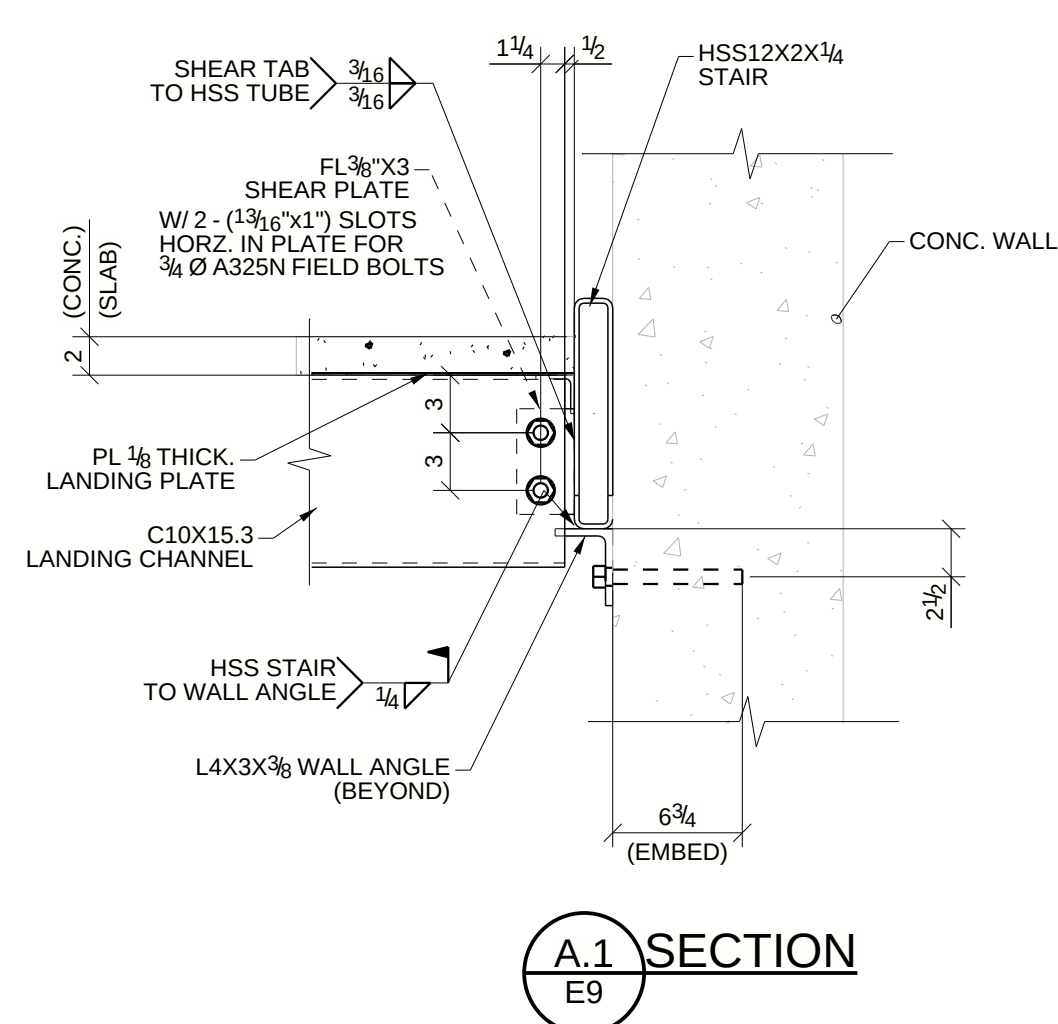
5 LANDING BEAM SECTION @ 2ND FLOOR
E8



6 LANDING BEAM SECTION @ 2ND FLOOR
E8

E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	FOR APPROVAL	02/19/2025
REV	DESCRIPTION	DATE

DESCRIPTION	STAIR 2 ELEVATIONS		
PROJECT NAME	310 GREAT ROAD		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	02/19/2025		E8



APPROVER NOTE:
1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

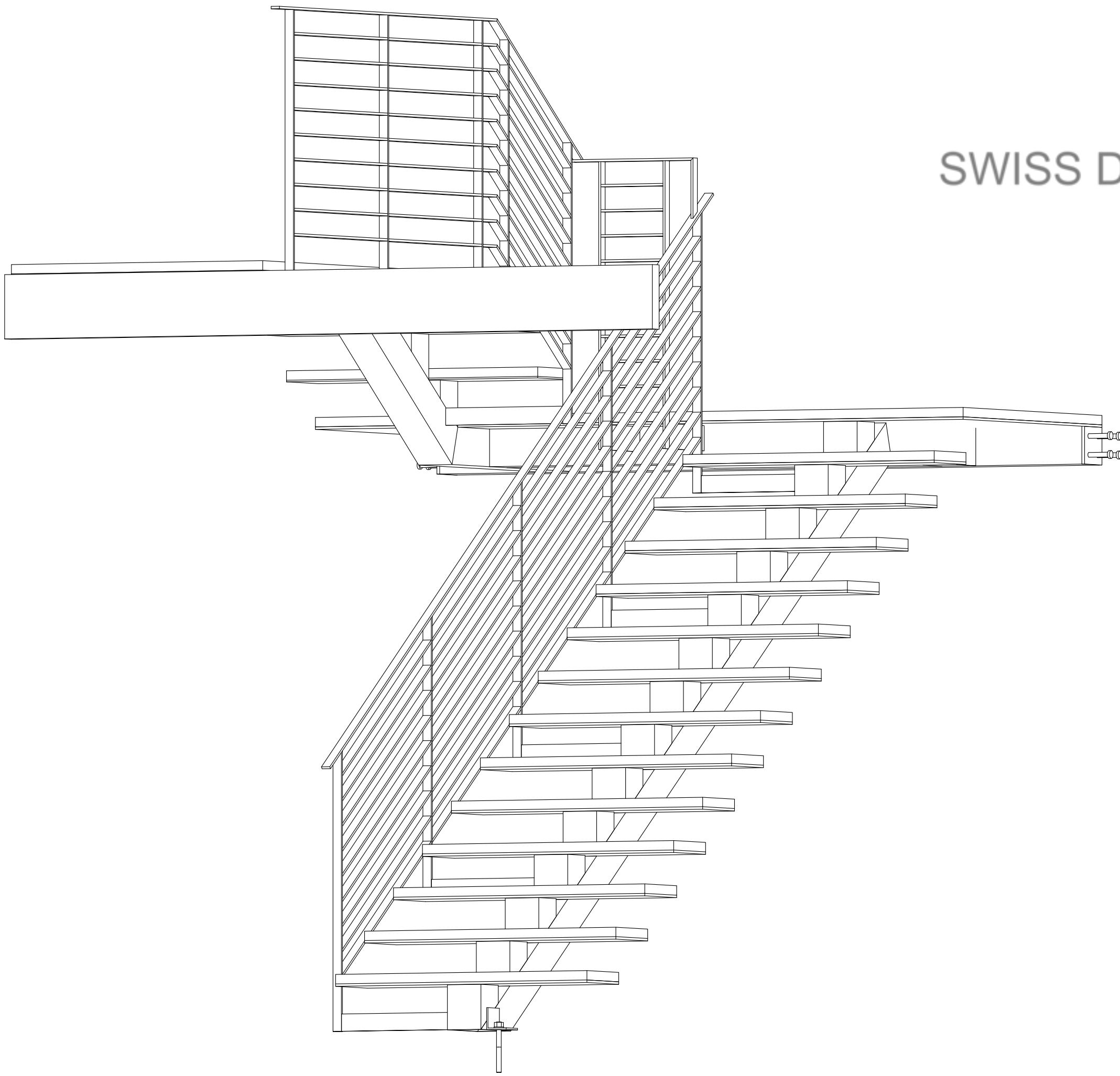
E	FOR RE-APPROVAL	04/28/2025
D	FOR RE-APPROVAL	04/23/2025
C	FOR RE-APPROVAL	04/10/2025
B	FOR RE-APPROVAL	03/10/2025
A	FOR APPROVAL	02/19/2025
REV	DESCRIPTION	DATE

DESCRIPTION	STAIR 2 SECTIONS & DETAILS		
PROJECT NAME	310 GREAT ROAD		
DRAWN BY		JOB No.	DRG No. E9
DATE DRAWN	02/19/2025		

NOTE TO ARCHITECT:

ARCH. PLEASE VERIFY ALL
DIMENSIONS AND ELEVATIONS

4642 LONGBOW ROAD
JACKSONVILLE, FL 32210
STEEL STAIR SHOP DRAWINGS



SWISS DRAFTING,CA (323)-286-0872

1 ISOMETRIC VIEW
ST-01

SCALE: 3/4" = 1' - 0"

2 MATERIAL LIST
ST-01

Quantity	Mark	Description	Length	Grade	Part weight	Total weight
			(inch)		pound	pound
HSS 6X6X1/2						
14	b1	HSS 6X6X1/2	0'-7 3/16"	A36	21.01	294.11
1	b2	HSS 6X6X1/2	14'-4 3/16"	A36	505.22	505.22
1	b3	HSS 6X6X1/2	9'-7"	A36	337.44	337.44
1	b4	HSS 6X6X1/2	6'-2 11/16"	A36	219.11	219.11
1	b5	HSS 6X6X1/2	5'-5"	A36	190.72	190.72
1	b6	HSS 6X6X1/2	3'-7 15/16"	A36	128.96	128.96
1	b7	HSS 6X6X1/2	3'-2 7/8"	A36	113.99	113.99
1	b8	HSS 6X6X1/2	2'-7"	A36	90.96	90.96
1	b9	HSS 6X6X1/2	0'-7 5/16"	A36	21.42	21.42
1	b10	HSS 6X6X1/2	0'-7 1/4"	A36	21.31	21.31
1	b11	HSS 6X6X1/2	0'-7 3/16"	A36	21.00	21.00
24	TOTAL	TOTAL	55' 2 5/8"			1,944.24
L3-1/2X3-1/2X1/4						
1	b12	L3-1/2X3-1/2X1/4	0'-3 15/16"	A36	1.90	1.90
1	TOTAL	TOTAL	3 15/16"			1.90
FL 3/8X1 1/2						
1	b13	FL 3/8X1 1/2	0'-9 5/8"	A36	1.53	1.53
36	m1	FL 3/8X1 1/2	3'-2"	A36	6.07	218.37
18	m2	FL 3/8X1 1/2	2'-8 3/16"	A36	5.14	92.49
9	m3	FL 3/8X1 1/2	2'-2 11/16"	A36	4.26	38.34
9	m4	FL 3/8X1 1/2	0'-11 1/8"	A36	1.78	15.99
9	m5	FL 3/8X1 1/2	0'-4 15/16"	A36	0.79	7.13
9	m6	FL 3/8X1 1/2	0'-4 7/8"	A36	0.78	7.00
5	m7	FL 3/8X1 1/2	3'-8 11/16"	A36	7.13	35.64
3	m8	FL 3/8X1 1/2	3'-9 13/16"	A36	7.31	21.92
1	m11	FL 3/8X1 1/2	3'-0 15/16"	A36	5.90	5.90
1	m12	FL 3/8X1 1/2	1'-9 11/16"	A36	3.46	3.46
1	M1	FL 3/8X1 1/2	13'-6 7/8"	A36	25.98	25.98
2	M2	FL 3/8X1 1/2	3'-8 11/16"	A36	7.13	14.26
1	M3	FL 3/8X1 1/2	6'-3 1/4"	A36	12.00	12.00
2	M4	FL 3/8X1 1/2	3'-9 13/16"	A36	7.31	14.62
107	TOTAL	TOTAL	268' 10 1/8"			514.64
PL 1/4"						
7	p1	PL 1/4"x2-3/4"x1'-9"	1'-9"	A36	4.09	28.66
3	p3	PL 1/4"x4"x1'-9"	1'-9"	A36	5.96	17.87
2	s2	PL 1/4"x11"x3'-9"	3'-9"	A36	35.10	70.19
1	s3	PL 1/4"x45"x7'-2"	7'-2"	A36	274.48	274.48
13	TOTAL	TOTAL				391.20
PL 1/2"						
3	p2	PL 1/2"x6"x0'-6"	0'-6"	A36	5.10	15.31
3	TOTAL	TOTAL				15.31
PL 3/8"						
2	p4	PL 3/8"x4"x1'-0"	1'-0"	A36	5.10	10.21
13	s1	PL 3/8"x11"x3'-9"	3'-9"	A36	55.27	718.49
1	S1	PL 3/8"x48"x9'-8"	9'-8"	A36	621.68	621.68
16	TOTAL	TOTAL				1,350.38
Connectors						
4	2	3/4"ø Nelson S3L-Inch	0'-2"	Mild Steel	0.33	1.34
8	1	3/4"ø Nelson S3L-Inch	0'-4"	Mild Steel	0.58	4.68
12	TOTAL	TOTAL				6.01
TOTAL QUANTITY						
			176			
TOTAL WEIGHT						
			4,223.69	pound		

GENERAL NOTES

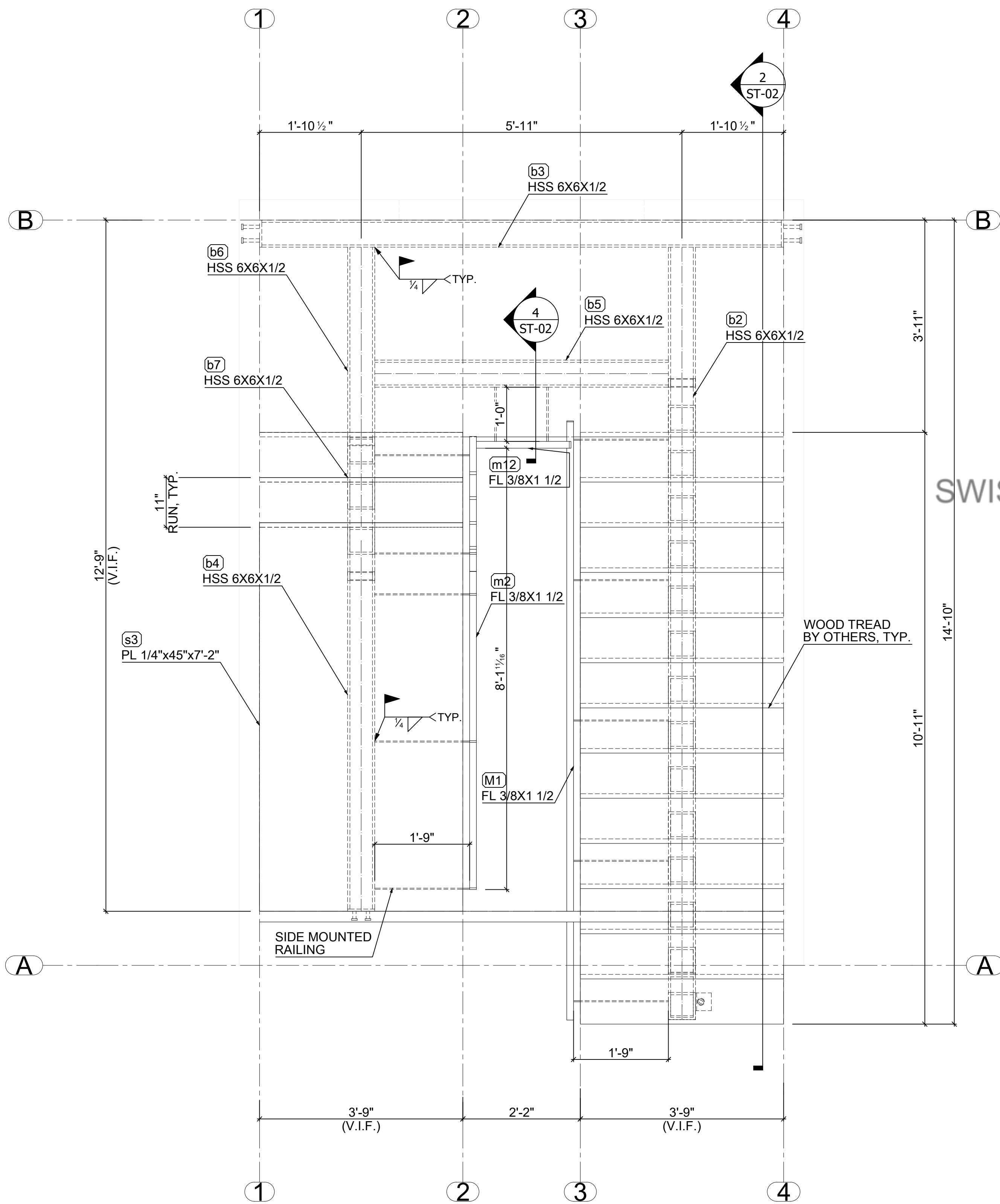
- 1- SEE MATERIAL LIST STEEL GRADE
2- ALL WELDING STRENGTH TO BE 3/16" -1/4"
3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

REVISIONS:

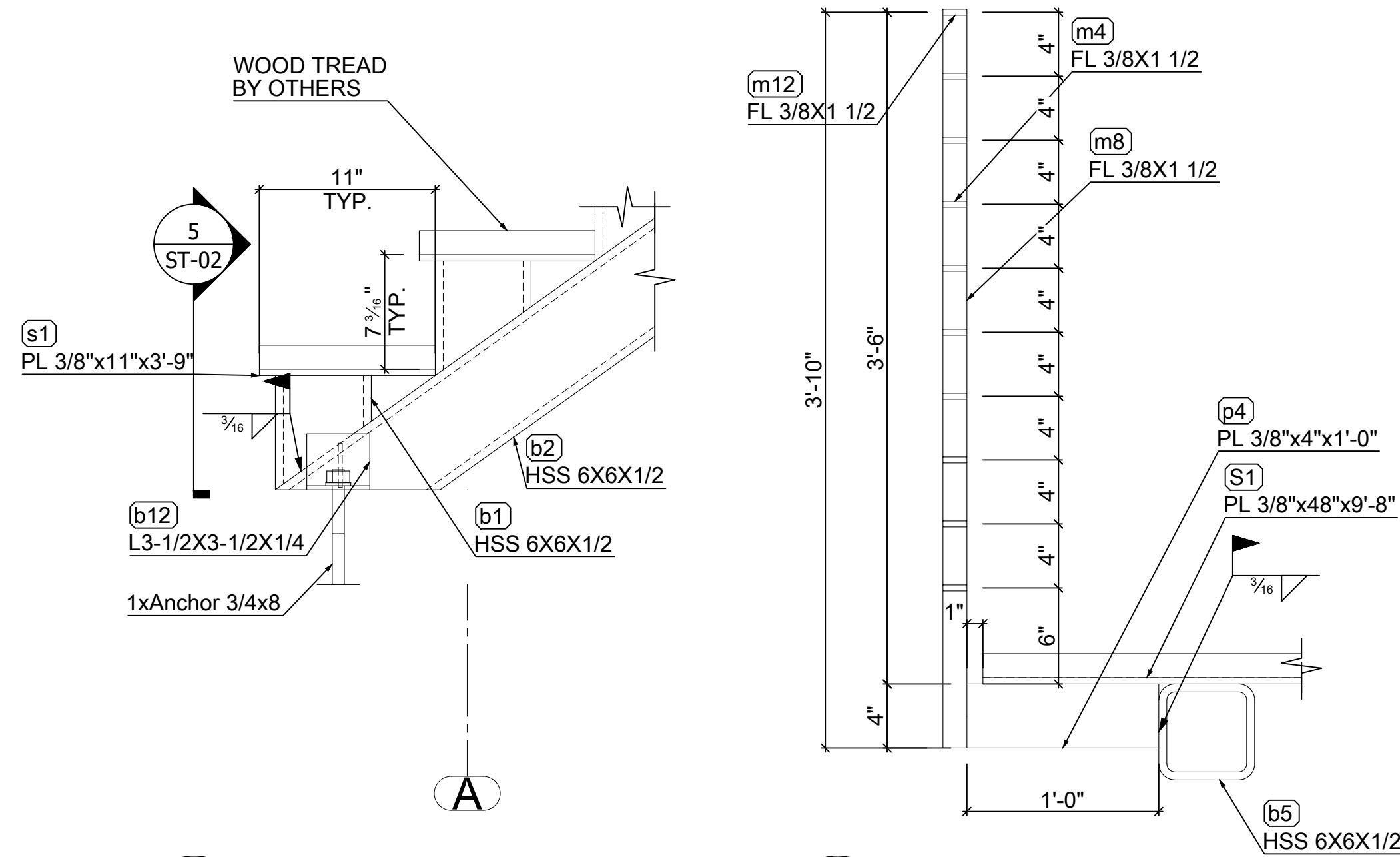
PRIVATE RESIDENCE
4642 LONGBOW ROAD
JACKSONVILLE, FL 32210
STEEL STAIR SHOP DRAWINGS

DATE : 11/28/25
DRAWN BY : KP
CHECKED BY : EG

PROJECT DRAWING
ST-01

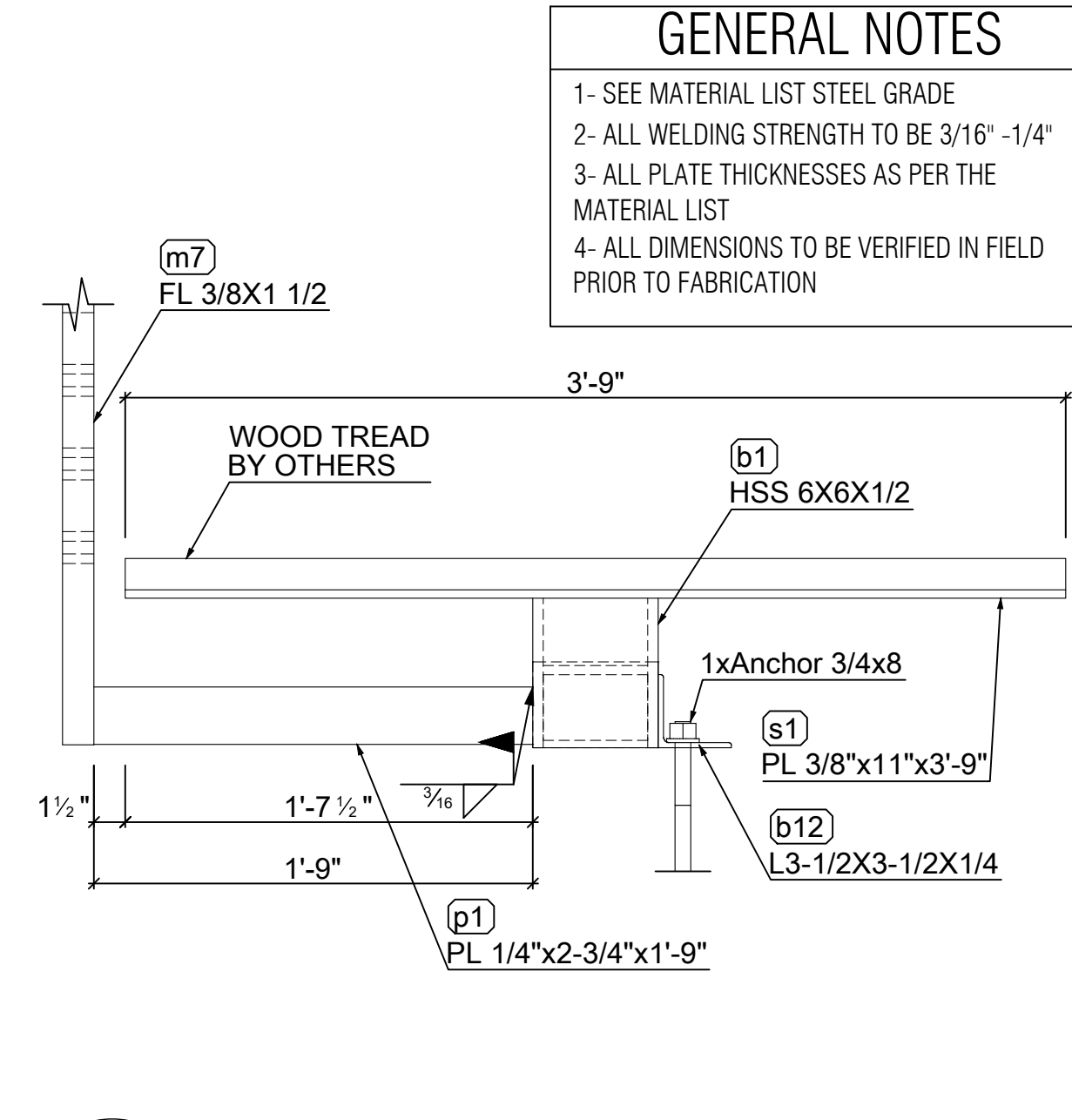


1 STEEL STAIR PLAN VIEW
SCALE: 3/4" = 1' - 0"

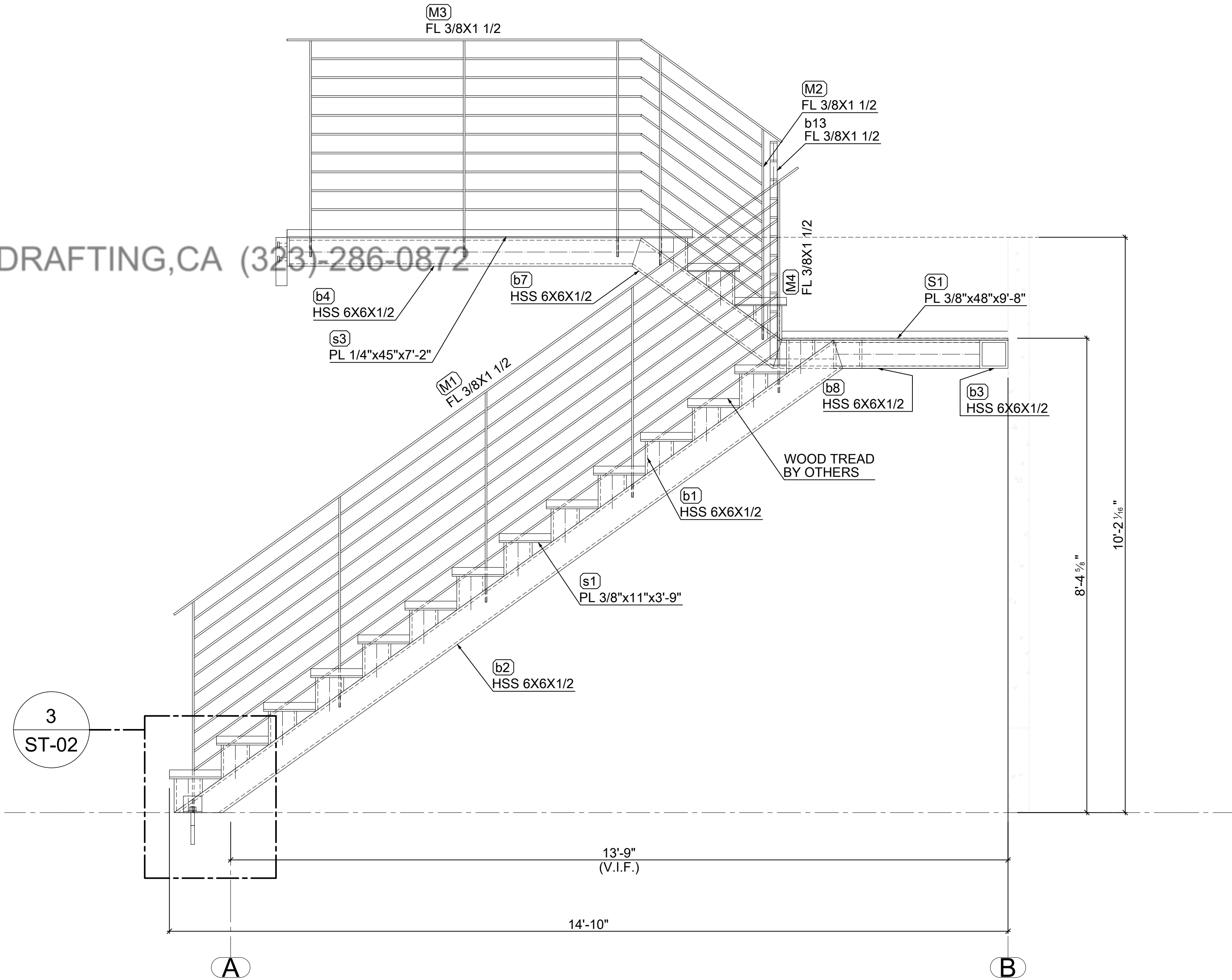


3 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1' - 0"

4 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1' - 0"



5 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1' - 0"



2 STEEL STAIR ELEVATION
SCALE: 3/4" = 1' - 0"

- GENERAL NOTES
- 1- SEE MATERIAL LIST STEEL GRADE
 - 2- ALL WELDING STRENGTH TO BE 3/16" -1/4"
 - 3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
 - 4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

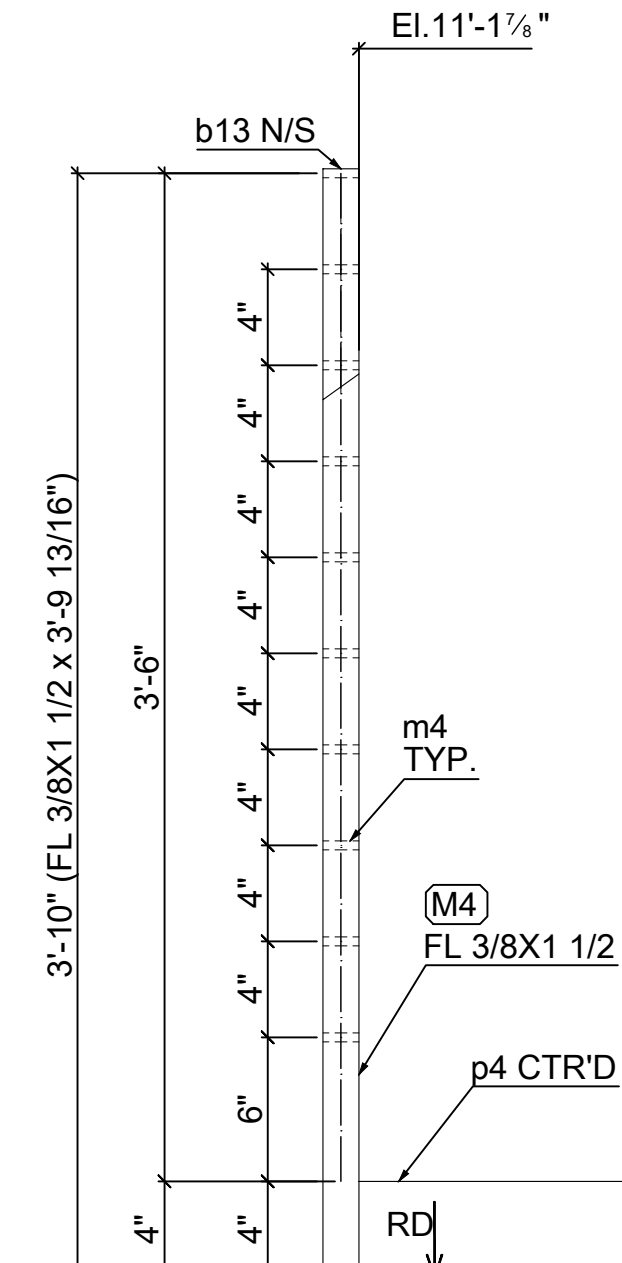
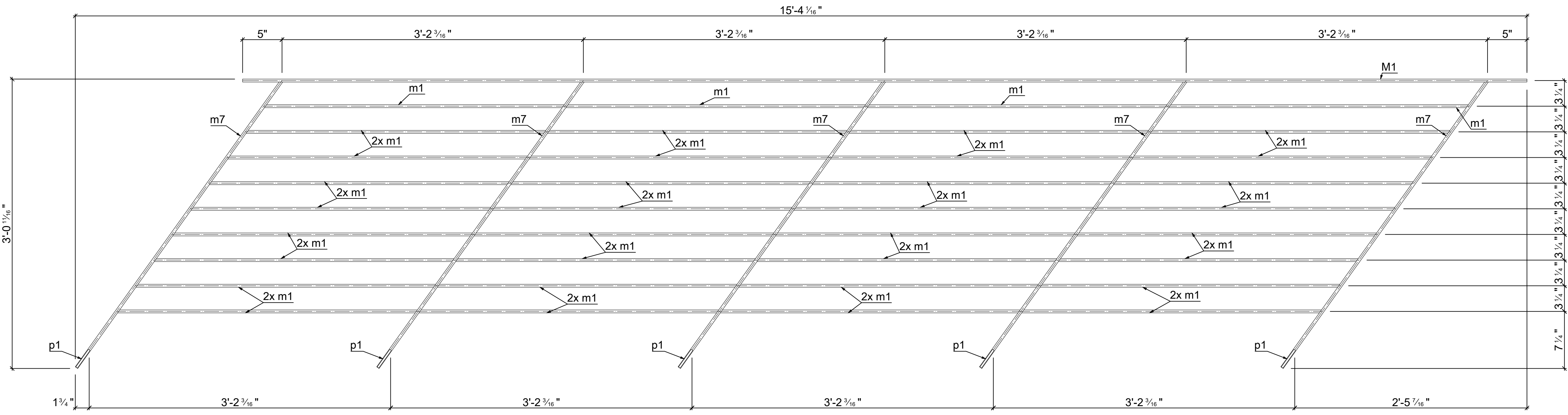
REVISIONS:

PRIVATE RESIDENCE
4642 LONGBOW ROAD
JACKSONVILLE, FL 32210
STEEL STAIR SHOP DRAWINGS

DATE: 11/28/25
DRAWN BY: KP
CHECKED BY: EG

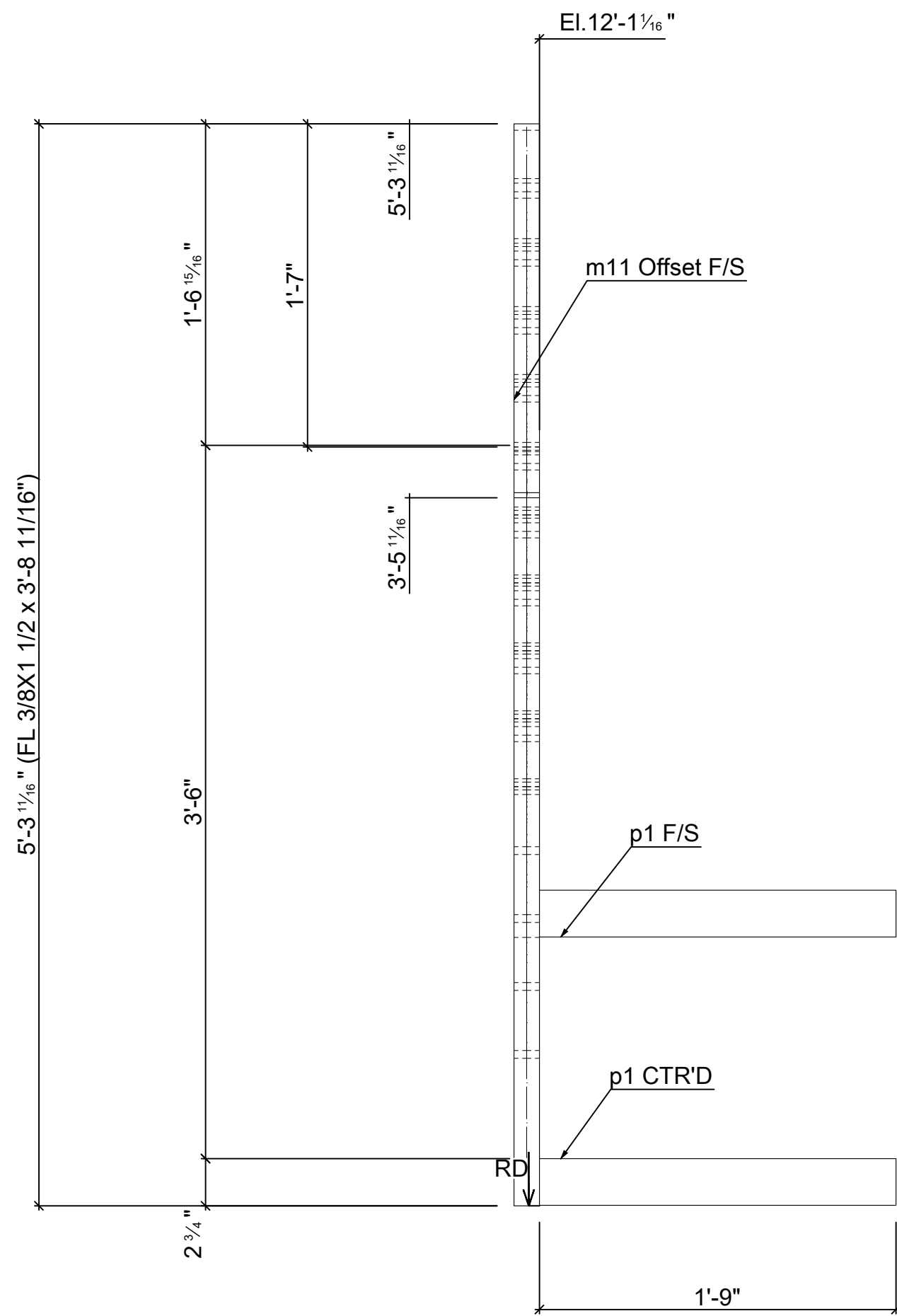
PROJECT DRAWING

ST-02

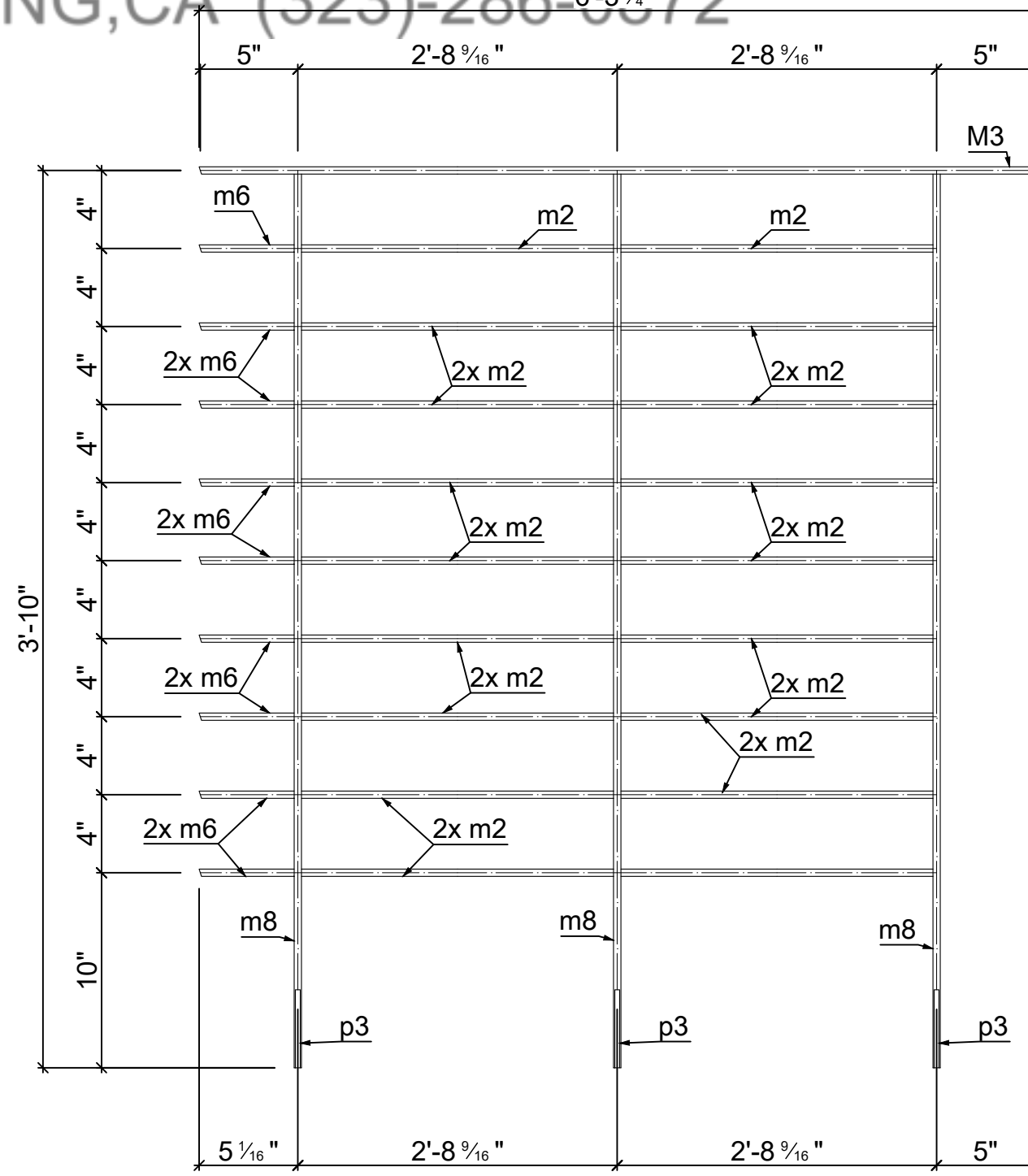
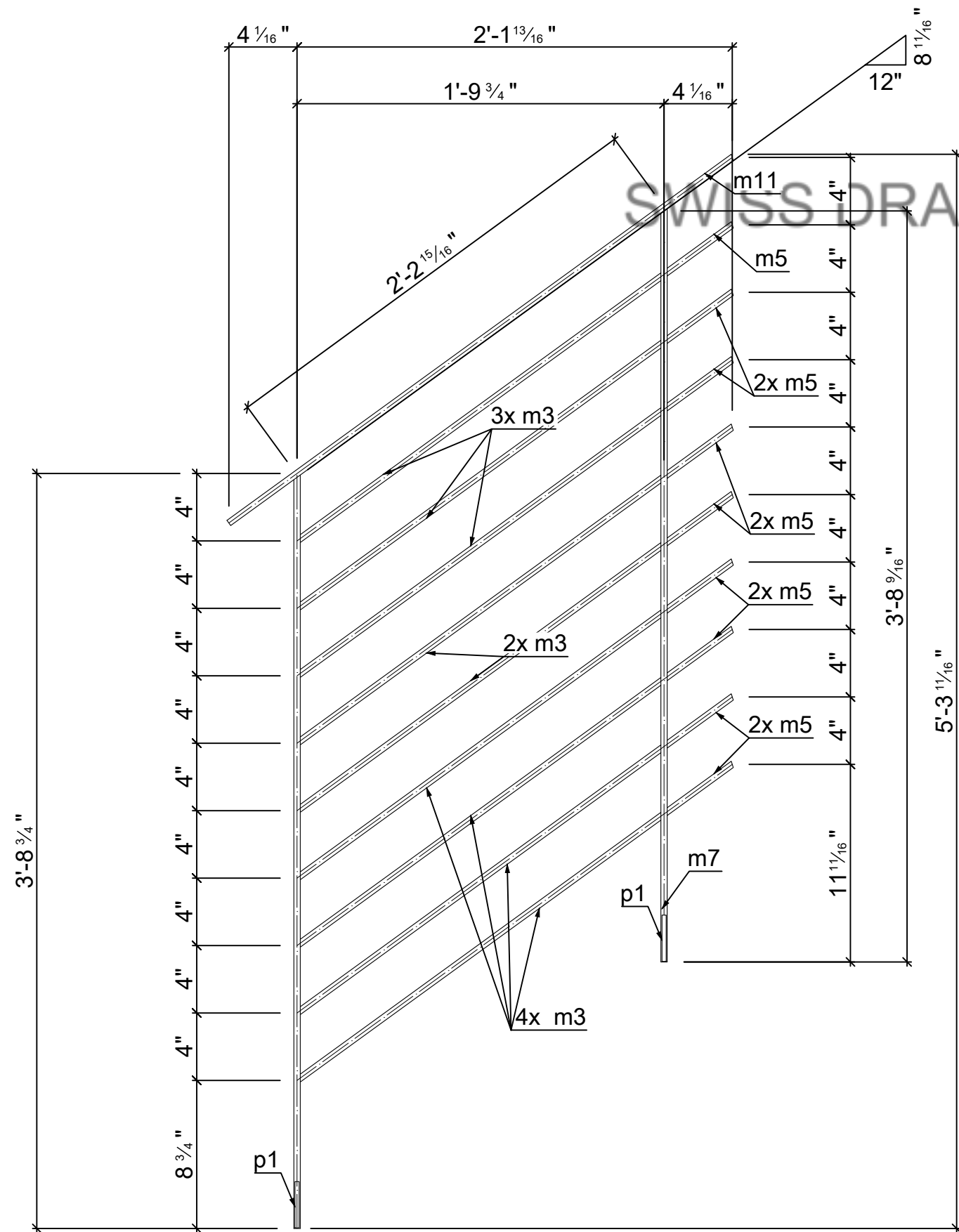


- GENERAL NOTES**
- 1- SEE MATERIAL LIST STEEL GRADE
 - 2- ALL WELDING STRENGTH TO BE 3/16" -1/4"
 - 3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
 - 4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

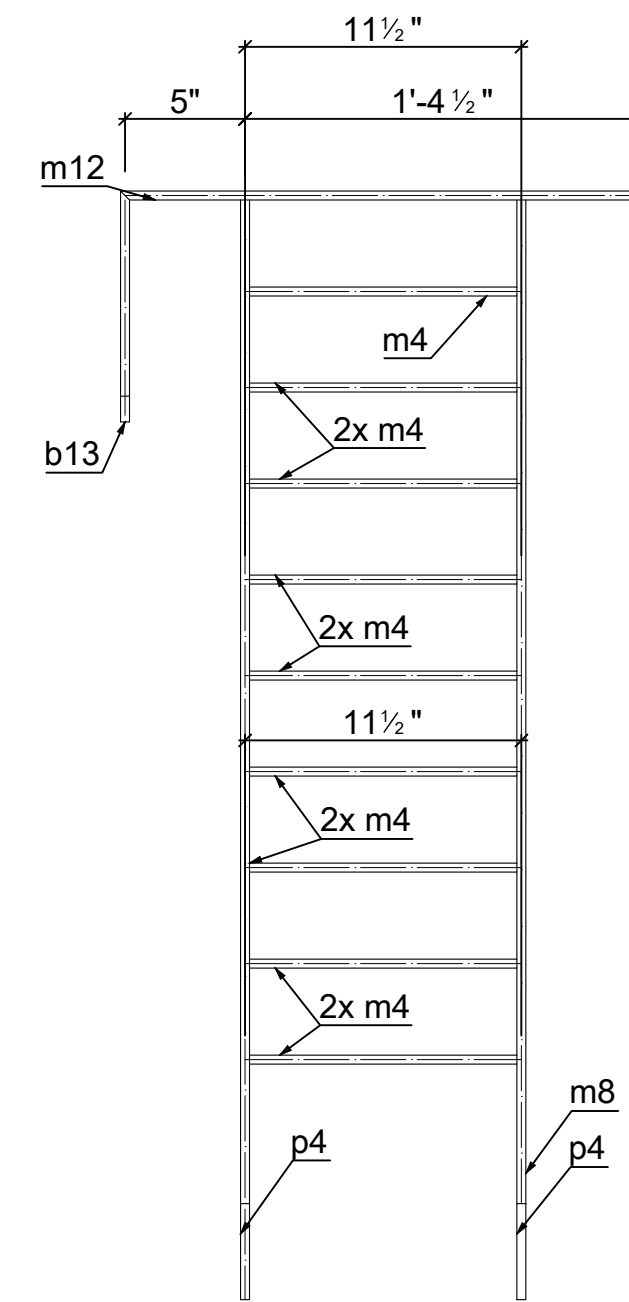
1 - **M1** FL 3/8X1 1/2



1 - **M2** FL 3/8X1 1/2
d=1 1/2" b= 3/8" t=0" w= 3/8" k=0"



1 - **M3** FL 3/8X1 1/2



1 - **M4** FL 3/8X1 1/2
d=1 1/2" b= 3/8" t= 3/8" w= 3/8" k=

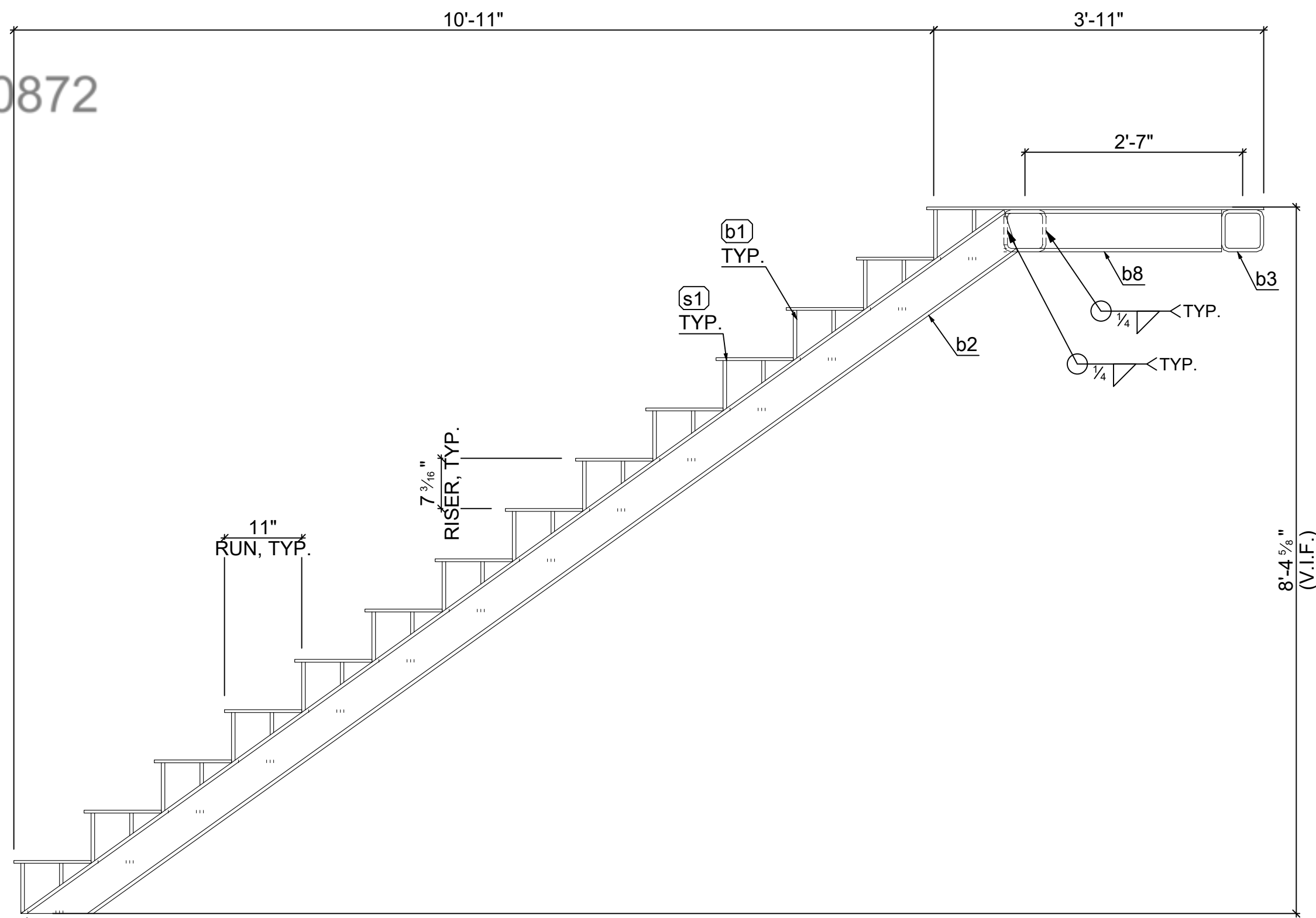
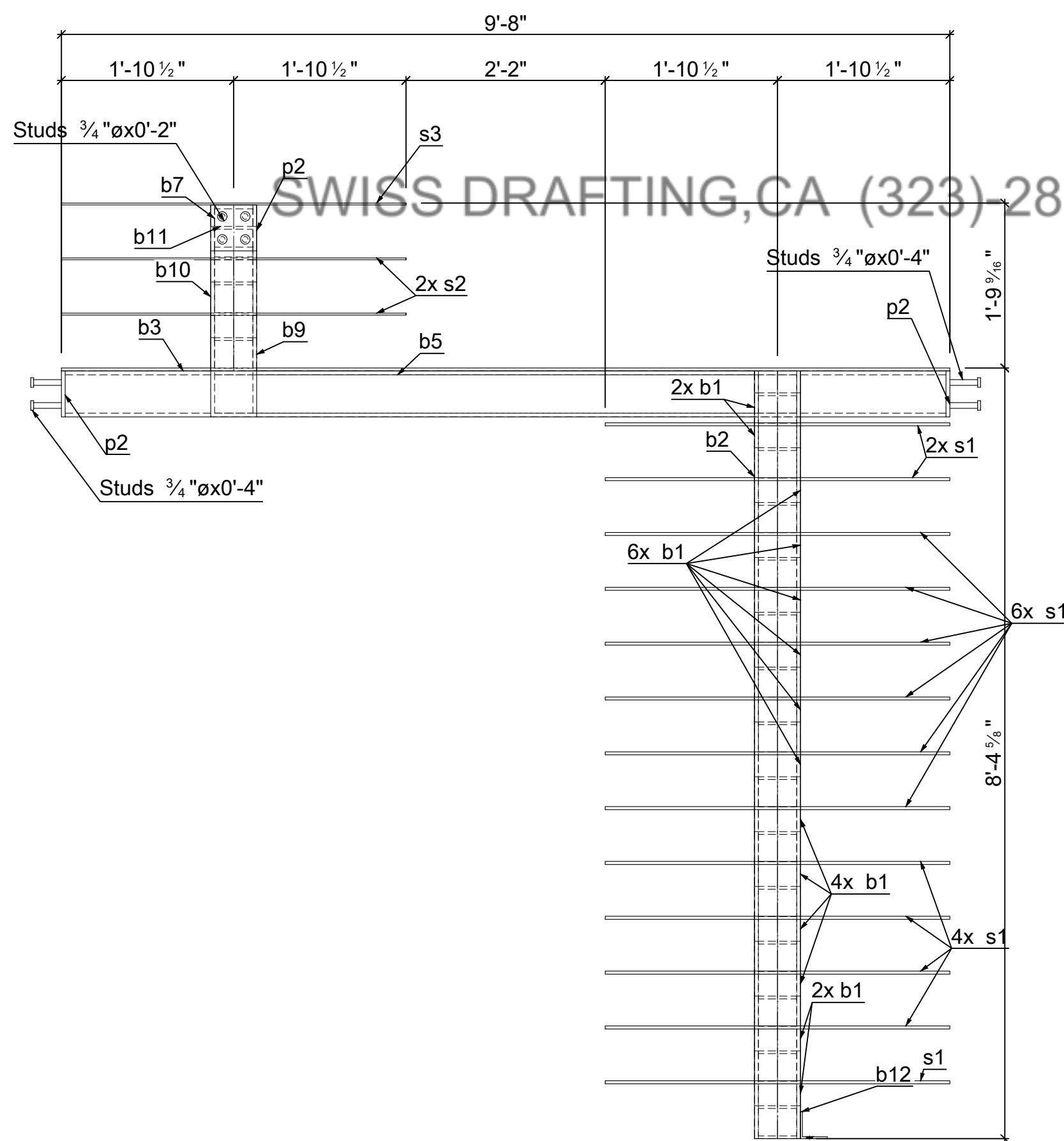
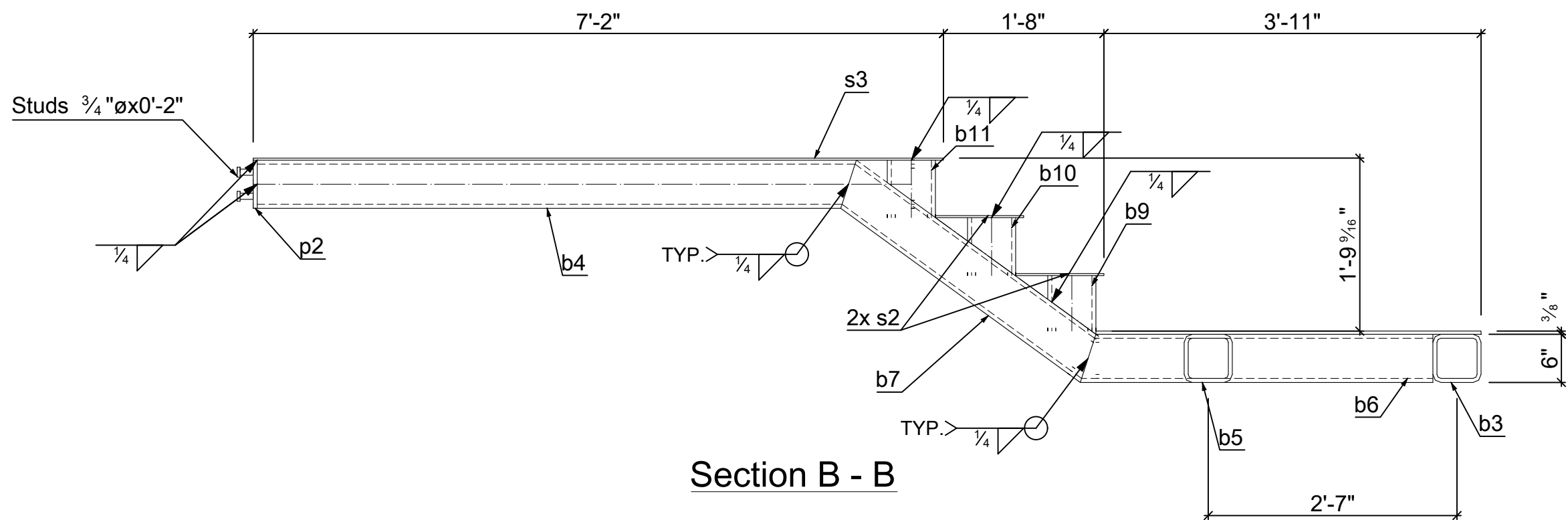
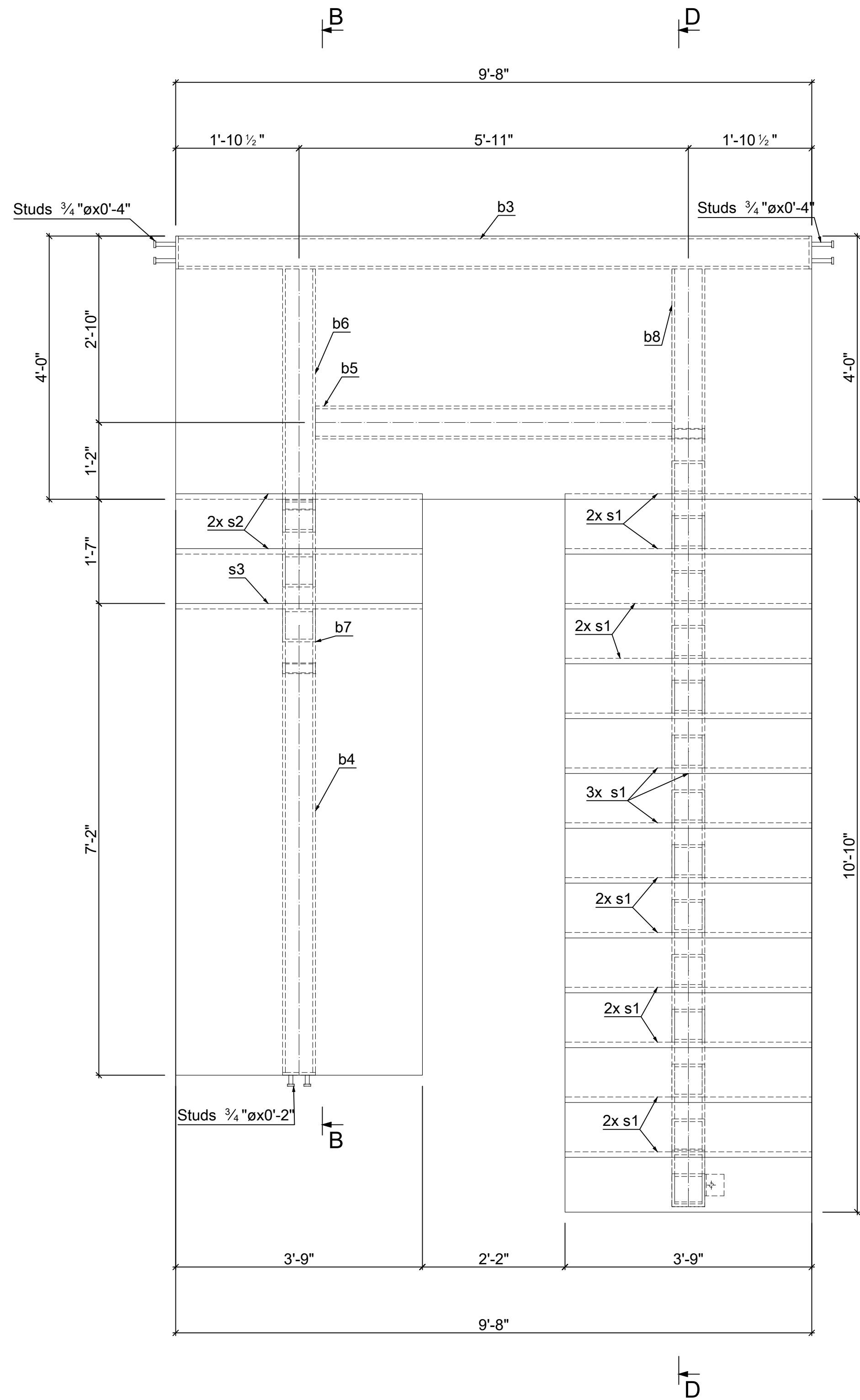
Mark	Quantity	Description	Length	Grade	Part weight	Total weight
M1	1	Railing Handrail Stair				
M1	1	FL 3/8X1 1/2	13'-6 7/8"	A36	25.98	25.98
m7	5	FL 3/8X1 1/2	3'-8 11/16"	A36	7.13	35.64
m1	36	FL 3/8X1 1/2	3'-2"	A36	6.07	218.37
p1	5	PL 1/4"x2-3/4"x1'-9"	1'-9"	A36	4.09	20.47
	47				300.47	300.47
M2	1	Railing Post Stair				
M2	2	FL 3/8X1 1/2	3'-8 11/16"	A36	7.13	14.26
m11	1	FL 3/8X1 1/2	3'-0 15/16"	A36	5.90	5.90
m3	9	FL 3/8X1 1/2	2'-2 11/16"	A36	4.26	38.34
p1	2	PL 1/4"x2-3/4"x1'-9"	1'-9"	A36	4.09	8.19
m5	9	FL 3/8X1 1/2	0'-4 15/16"	A36	0.79	7.13
	23				73.81	73.81
M3	1	Railing Handrail Landing				
M3	1	FL 3/8X1 1/2	6'-3 1/4"	A36	12.00	12.00
m8	3	FL 3/8X1 1/2	3'-9 13/16"	A36	7.31	21.92
p3	3	PL 1/4"x4"x1'-9"	1'-9"	A36	5.96	17.87
m2	18	FL 3/8X1 1/2	2'-8 3/16"	A36	5.14	92.49
m6	9	FL 3/8X1 1/2	0'-4 7/8"	A36	0.78	7.00
	34				151.28	151.28
M4	1	Railing Post Landing				
M4	2	FL 3/8X1 1/2	3'-9 13/16"	A36	7.31	14.62
p4	2	PL 3/8"x4"x1'-0"	1'-0"	A36	5.10	10.21
m12	1	FL 3/8X1 1/2	1'-9 11/16"	A36	3.46	3.46
m4	9	FL 3/8X1 1/2	0'-11 1/8"	A36	1.78	15.99
b13	1	FL 3/8X1 1/2	0'-9 5/8"	A36	1.53	1.53
	15				45.82	45.82
	119				TOTAL:	571.38

REVISIONS:

GENERAL NOTES

- 1- SEE MATERIAL LIST STEEL GRADE
- 2- ALL WELDING STRENGTH TO BE 3/16" -1/4"
- 3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
- 4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

Mark	Quantity	Description	Length	Grade	Part weight	Total weight
S1	1	Step				
S1	1	PL 3/8"x48"x9'-8"	9'-8"	A36	621.68	621.68
b2	1	HSS 6X6X1/2	14'-4 3/16"	A36	505.22	505.22
b3	1	HSS 6X6X1/2	9'-7"	A36	337.44	337.44
s3	1	PL 1/4"x45"x7'-2"	7'-2"	A36	274.48	274.48
b4	1	HSS 6X6X1/2	6'-2 11/16"	A36	219.11	219.11
b5	1	HSS 6X6X1/2	5'-5"	A36	190.72	190.72
b6	1	HSS 6X6X1/2	3'-7 15/16"	A36	128.96	128.96
b7	1	HSS 6X6X1/2	3'-2 7/8"	A36	113.99	113.99
b8	1	HSS 6X6X1/2	2'-7"	A36	90.96	90.96
s1	13	PL 3/8"x11"x3'-9"	3'-9"	A36	55.27	718.49
s2	2	PL 1/4"x11"x3'-9"	3'-9"	A36	35.10	70.19
b9	1	HSS 6X6X1/2	0'-7 5/16"	A36	21.42	21.42
b10	1	HSS 6X6X1/2	0'-7 1/4"	A36	21.31	21.31
b11	14	HSS 6X6X1/2	0'-7 3/16"	A36	21.01	294.11
b11	1	HSS 6X6X1/2	0'-7 3/16"	A36	21.00	21.00
p2	3	PL 1/2"x6"x0'-6"	0'-6"	A36	5.10	15.31
b12	1	L3-1/2X3-1/2X1/4	0'-3 15/16"	A36	1.90	1.90
1	8	3/4"Ø Nelson S3L-Inch	0'-4"	Mild Steel	0.58	4.68
2	4	3/4"Ø Nelson S3L-Inch	0'-2"	Mild Steel	0.33	1.34
57					3652.31	3652.31
57					TOTAL:	3652.31



Section D - D

1

ST-04

STEEL ASSEMBLY PARTS

SCALE: 3/4" = 1' - 0"

PRIVATE RESIDENCE

4642 LONGBOW ROAD
JACKSONVILLE, FL 32210
STEEL STAIR SHOP DRAWINGS

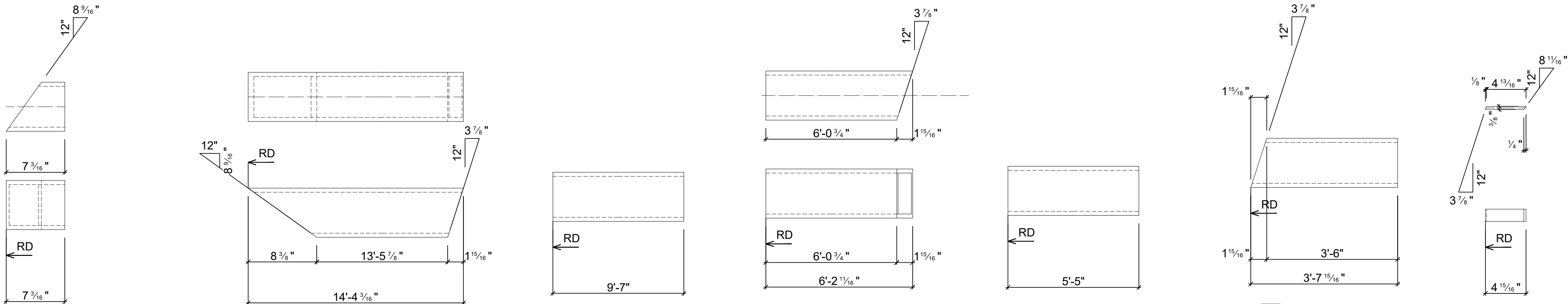
DATE : 11/28/25

DRAWN BY : KP

CHECKED BY : EG

PROJECT DRAWING

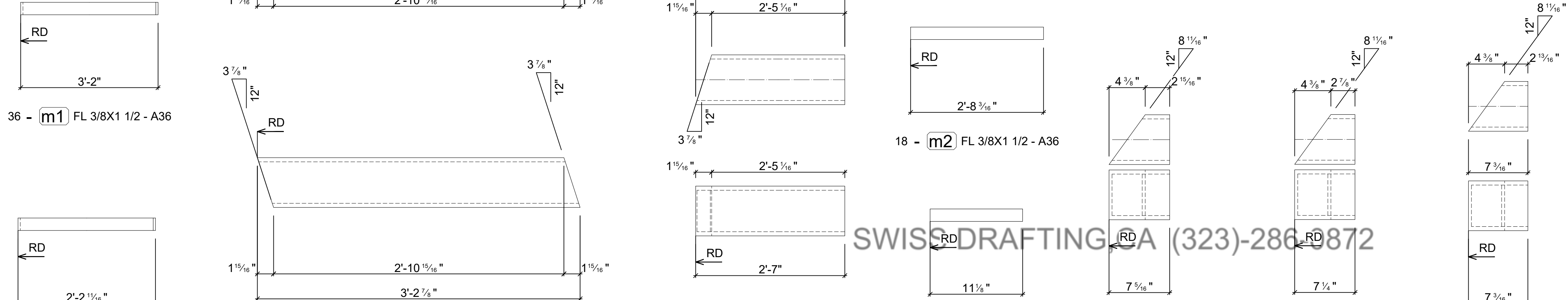
ST-04



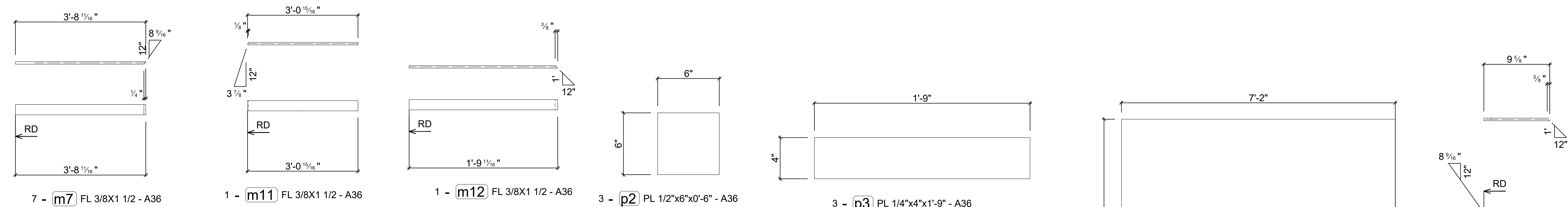
14 - **b1** HSS 6X6X1/2 - A36 1 - **b2** HSS 6X6X1/2 - A36 1 - **b3** HSS 6X6X1/2 - A36 1 - **b4** HSS 6X6X1/2 - A36 1 - **b5** HSS 6X6X1/2 - A36 1 - **b6** HSS 6X6X1/2 - A36 9 - **m5** FL 3/8X1 1/2 - A36



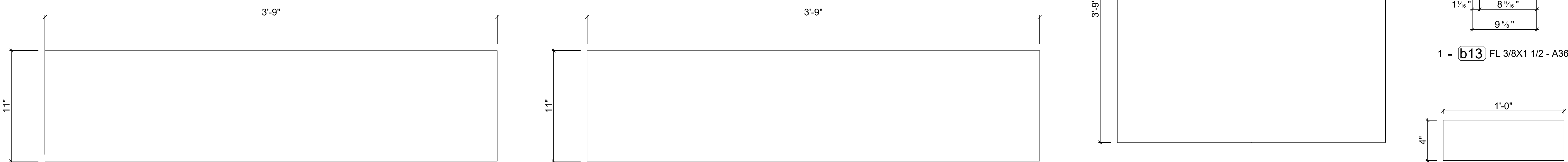
36 - **m1** FL 3/8X1 1/2 - A36 5 - **m8** FL 3/8X1 1/2 - A36 7 - **p1** PL 1/4"x2-3/4"x1'-9" - A36



9 - **m3** FL 3/8X1 1/2 - A36 1 - **b7** HSS 6X6X1/2 - A36 1 - **b8** HSS 6X6X1/2 - A36 9 - **m4** FL 3/8X1 1/2 - A36 1 - **b9** HSS 6X6X1/2 - A36 1 - **b10** HSS 6X6X1/2 - A36 1 - **b11** HSS 6X6X1/2 - A36



7 - **m7** FL 3/8X1 1/2 - A36 1 - **m11** FL 3/8X1 1/2 - A36 1 - **m12** FL 3/8X1 1/2 - A36 3 - **p2** PL 1/2"x6"x0'-6" - A36 3 - **p3** PL 1/4"x4"x1'-9" - A36 1 - **b13** FL 3/8X1 1/2 - A36



2 - **s2** PL 1/4"x11"x3'-9" - A36 13 - **s1** PL 3/8"x11"x3'-9" - A36 1 - **s3** PL 1/4"x45"x7'-2" - A36 2 - **p4** PL 3/8"x4"x1'-0" - A36

GENERAL NOTES
1- SEE MATERIAL LIST STEEL GRADE
2- ALL WELDING STRENGTH TO BE 3/16" -1/4"
3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

Mark	Quantity	Description	Length	Grade	Part weight	Total weight
b1	14	HSS 6X6X1/2	0'-7 3/16"	A36	21.01	294.11
b2	1	HSS 6X6X1/2	14'-4 3/16"	A36	505.22	505.22
b3	1	HSS 6X6X1/2	9'-7"	A36	337.44	337.44
b4	1	HSS 6X6X1/2	6'-2 11/16"	A36	219.11	219.11
b5	1	HSS 6X6X1/2	5'-5"	A36	190.72	190.72
b6	1	HSS 6X6X1/2	3'-7 15/16"	A36	128.96	128.96
b7	1	HSS 6X6X1/2	3'-2 7/8"	A36	113.99	113.99
b8	1	HSS 6X6X1/2	2'-7"	A36	90.96	90.96
b9	1	HSS 6X6X1/2	0'-7 5/16"	A36	21.42	21.42
b10	1	HSS 6X6X1/2	0'-7 1/4"	A36	21.31	21.31
b11	1	HSS 6X6X1/2	0'-7 3/16"	A36	21.00	21.00
b12	1	L3-1/2X3-1/2X1/4	0'-3 15/16"	A36	1.90	1.90
b13	1	FL 3/8X1 1/2	0'-9 5/8"	A36	1.53	1.53
m1	36	FL 3/8X1 1/2	3'-2"	A36	6.07	218.37
m2	18	FL 3/8X1 1/2	2'-8 3/16"	A36	5.14	92.49
m3	9	FL 3/8X1 1/2	2'-2 11/16"	A36	4.26	38.34
m4	9	FL 3/8X1 1/2	0'-11 1/8"	A36	1.78	15.99
m5	9	FL 3/8X1 1/2	0'-4 15/16"	A36	0.79	7.13
m6	9	FL 3/8X1 1/2	0'-4 7/8"	A36	0.78	7.00
m7	7	FL 3/8X1 1/2	3'-8 11/16"	A36	7.13	49.90
m8	5	FL 3/8X1 1/2	3'-9 13/16"	A36	7.31	36.54
m11	1	FL 3/8X1 1/2	3'-0 15/16"	A36	5.90	5.90
m12	1	FL 3/8X1 1/2	1'-9 11/16"	A36	3.46	3.46
130						2422.80
p1	7	PL 1/4"x2-3/4"x1'-9"	1'-9"	A36	4.09	28.66
p2	3	PL 1/2"x6"x0'-6"	0'-6"	A36	5.10	15.31
p3	3	PL 1/4"x4"x1'-9"	1'-9"	A36	5.96	17.87
p4	2	PL 3/8"x4"x1'-0"	1'-0"	A36	5.10	10.21
s1	13	PL 3/8"x11"x3'-9"	3'-9"	A36	55.27	718.49
s2	2	PL 1/4"x11"x3'-9"	3'-9"	A36	35.10	70.19
s3	1	PL 1/4"x45"x7'-2"	7'-2"	A36	274.48	274.48
31						1135.21

1 STEEL SINGLE PARTS
ST-05

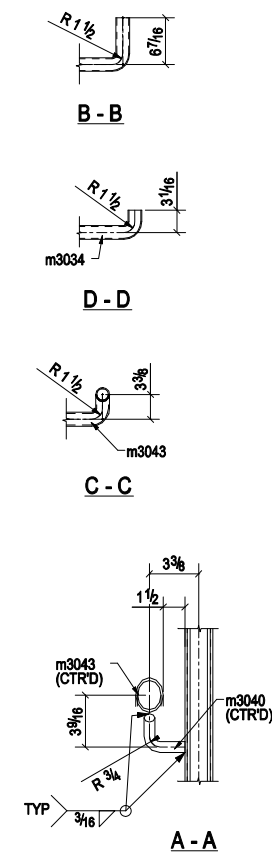
SCALE: VARIES

REVISIONS:

PRIVATE RESIDENCE
4642 LONGBOW ROAD
JACKSONVILLE, FL 32210
STEEL STAIR SHOP DRAWINGS

DATE : 11/28/25
DRAWN BY : KP
CHECKED BY : EG

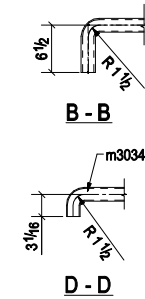
PROJECT DRAWING
ST-05



BILL OF MATERIAL						
QTY	MARK	Priority	DESCRIPTION	LENGTH	MATERIAL	REMARKS
1	3830A		HANDRAIL			
1	3830A		PIPE1-1/2STD	19'-4 11/16"	A53-GR.B	GALV.
3	m3032		PIPE1-1/2STD	3'-4"	A53-GR.B	GALV.
8	m3033		PIPE1-1/2STD	4'-11 3/16"	A53-GR.B	GALV.
1	m3034		PIPE1-1/2STD	1'-3 5/16"	A53-GR.B	GALV.
1	m3035		PIPE1-1/2STD	2'-0 7/8"	A53-GR.B	GALV.
4	m3040		RB3/4"	0'-3 13/16"	A53-GR.B	GALV.
1	m3043		PIPE1-1/2STD	19'-7 7/8"	A53-GR.B	GALV.

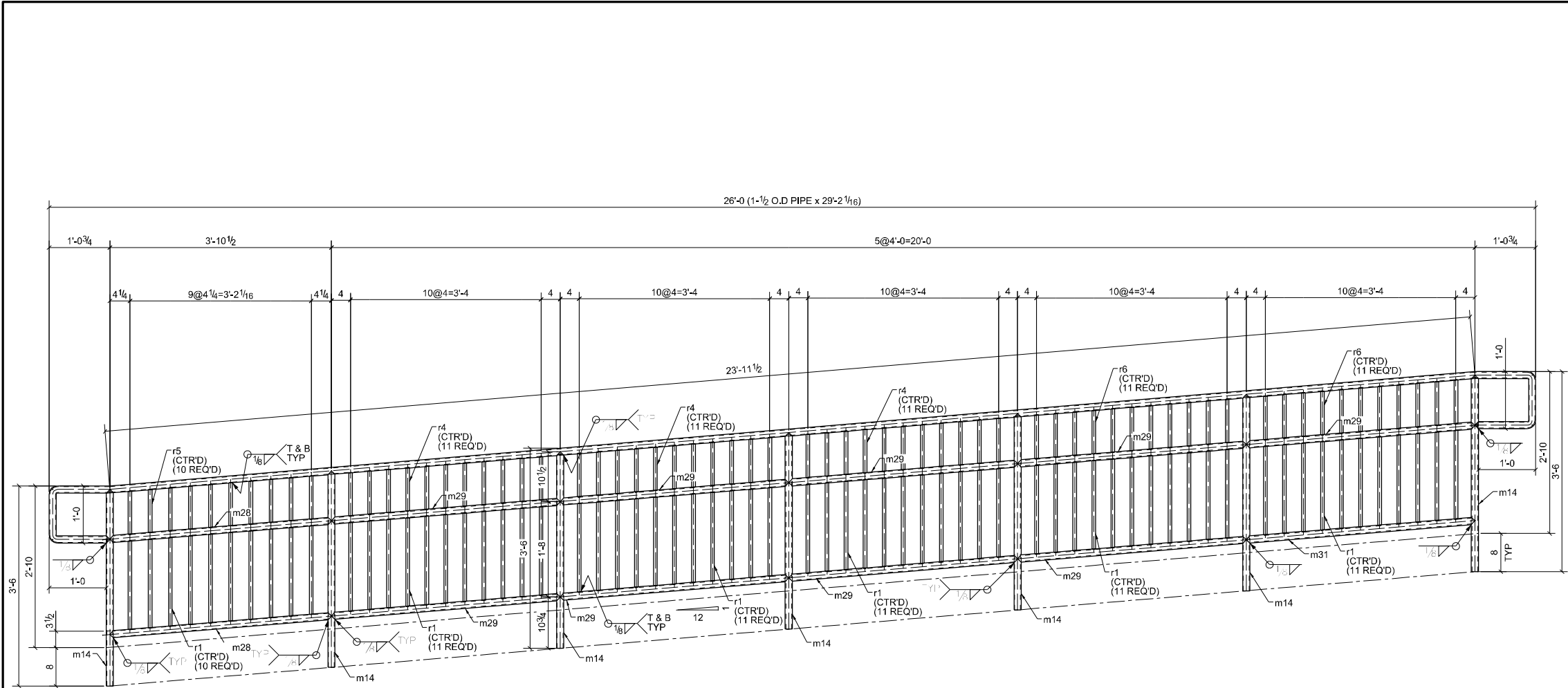
APPROVAL BY THE OWNER OF SHOP DRAWINGS PREPARED BY THE FABRICATOR INDICATES THAT THE FABRICATOR HAS CORRECTLY INTERPRETED THE CONTRACT DRAWINGS. APPROVAL DOES NOT RELIEVE THE FABRICATOR OF THE RESPONSIBILITY FOR ACCURACY OF DETAIL DIMENSIONS, NOR THE GENERAL FIT-UP OF PARTS TO BE ASSEMBLED IN THE FIELD. UNLESS SPECIFICALLY STATED TO THE CONTRARY, ANY ADDITIONS, DELETIONS OR CHANGES INDICATED ON THE APPROVAL OF THE SHOP AND ERECTION DRAWINGS ARE AUTHORIZATIONS BY THE OWNER TO RELEASE THE ADDITIONS, DELETIONS OR CHANGES FOR CONSTRUCTION.

HOLES: 13160 UNO											PROJECT:		P-3191 SOF SUSTAINMENT TRAINING COMPLEX						
CLEANING: S8PC-SP3											LOCATION:		MCB CAMP LEJEUNE, JACKSONVILLE, NC						
PAINT: ONE SHOP COAT ALKYD PRIMER		VERSARE-			10/05/2015	FOR FABRICATION						DESCRIPTION:		HANDRAIL					
				NO.	DATE:			DESCRIPTION:		DATE:	NO.	TYPE	FOR	DRAWN BY: AAK		CHECKED BY: RS		JOB.	SHEET
								REVISIONS						DATE: 10/05/2015		DATE: 10/05/2015		NO.	3830
										PRINT RECORD								0407	

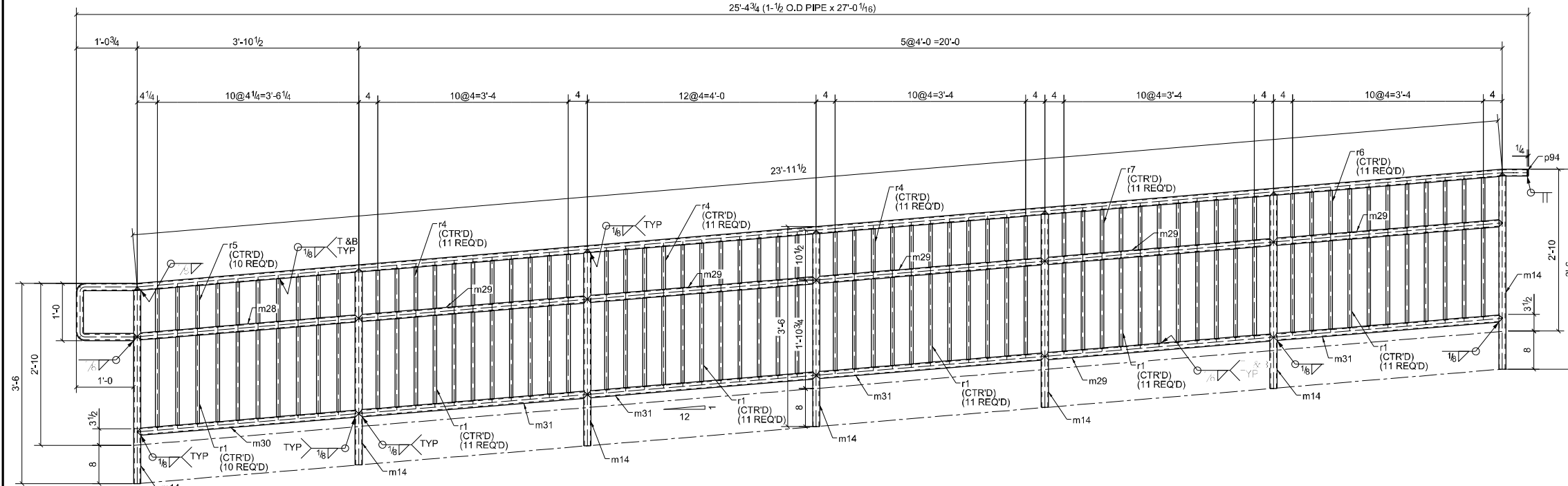


APPROVAL / REVIEW AUTHORITY:																												
APPROVAL BY THE OWNER OF SHOP DRAWINGS PREPARED BY THE FABRICATOR INDICATES THAT THE FABRICATOR HAS CORRECTLY INTERPRETED THE CONTRACT DRAWINGS. APPROVAL DOES NOT RELIEVE THE FABRICATOR OF THE RESPONSIBILITY FOR ACCURACY OF DETAIL DIMENSIONS, NOR THE GENERAL FIT-UP OF PARTS TO BE ASSEMBLED IN THE FIELD, UNLESS SPECIFICALLY STATED TO THE CONTRARY, ANY ADDITIONS, DELETIONS OR CHANGES INDICATED ON THE APPROVAL OF THE SHOP AND ERECTION DRAWINGS ARE AUTHORIZATIONS BY THE OWNER TO RELEASE THE ADDITIONS, DELETIONS OR CHANGES FOR CONSTRUCTION.																												
CUSTOMER:															RQ.CONSTRUCTION													
PROJECT:															P-3191 SOF SUSTAINMENT TRAINING COMPLEX													
LOCATION:															MCB CAMP LEJEUNE, JACKSONVILLE, NC													
DESCRIPTION:															HANDRAIL													
DRAWN BY: AAK															CHECKED BY: RS		JOB.		NO.		0407		SHEET		NO.		3832	
DATE: 10/05/2016															DATE: 10/05/2016													

HOLES		13160		UNO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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ONE - HANDRAIL - 70HR1



ONE - HANDRAIL - 70HR2

NOTE:-
ALL STEEL RAILS, STEEL POSTS AND
STEEL RODS ARE POWDER COATED.

GENERAL NOTES:-

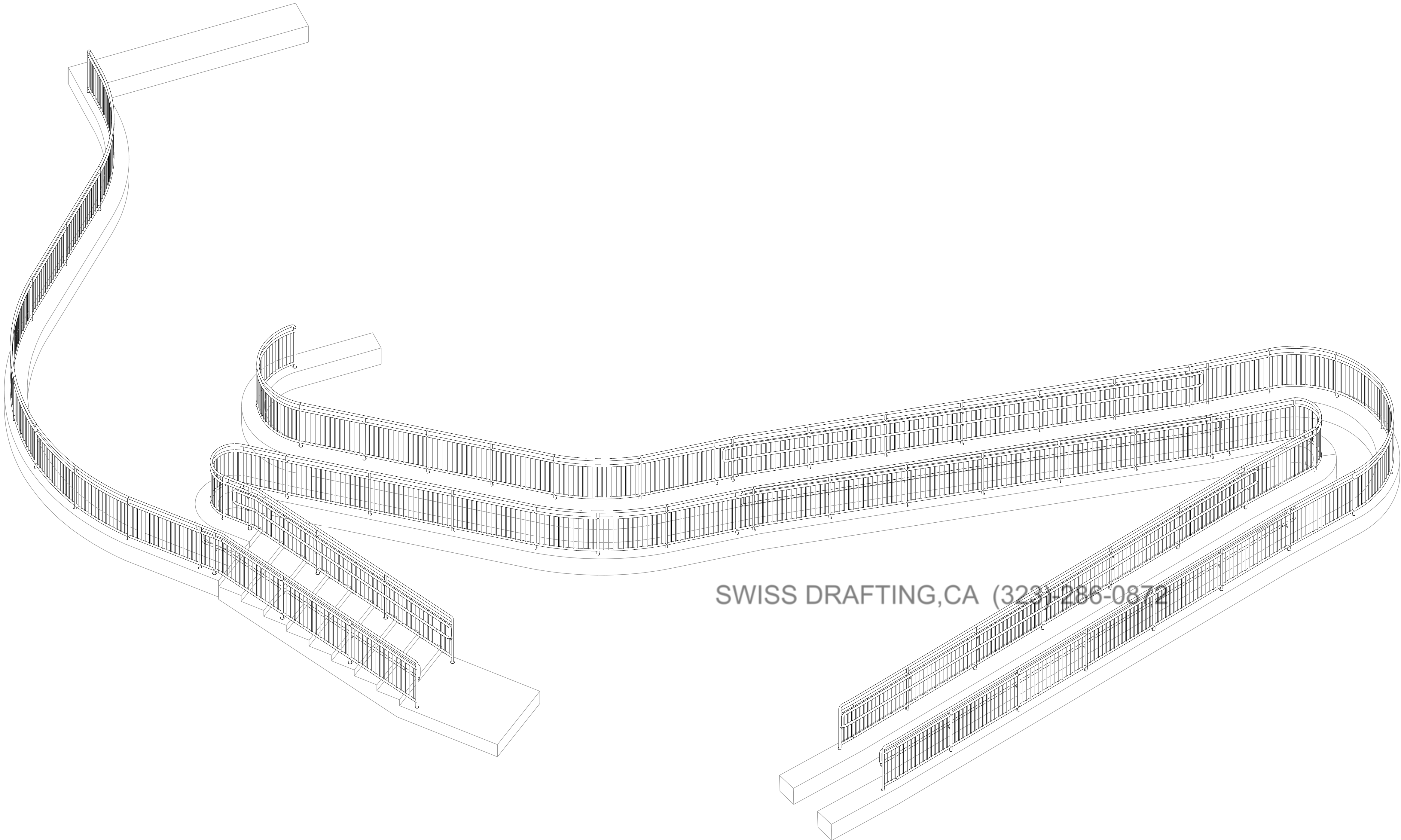
1. PREP. : SSPC-SP3
2. FINISH : ONE SHOP COAT OF PRIMER (U.N.O)
3. WELD : 70 SERIES WIRE
4. BOLTS : 3/40 A325N
5. HOLES : 13/160 U.N.O
6. 0'-3" NO PAINT AROUND OPEN HOLES FOR SC BOLTS

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
70HR1	1	HANDRAIL			
70HR1	1	1-1/2 O.D PIPE	29'-2 1/16"	74	A53
m14	7	1-1/2 O.D PIPE	3'-5 1/4"	61	A53
m28	2	1-1/2 O.D PIPE	3'-10 5/8"	20	A53
m29	9	1-1/2 O.D PIPE	4'-0 1/8"	92	A53
m31	1	1-1/2 O.D PIPE	4'-0 1/16"	10	A53
r1	65	ROD3/4"	1'-6 11/16"	136	A36
r4	33	ROD3/4"	0'-9 3/16"	34	A36
r5	4	ROD3/4"	0'-9 3/16"	4	A36
r6	28	ROD3/4"	0'-9 1/4"	29	A36
70HR2	1	HANDRAIL			
70HR2	1	1-1/2 O.D PIPE	27'-0 1/16"	69	A53
m14	7	1-1/2 O.D PIPE	3'-5 1/4"	61	A53
m28	1	1-1/2 O.D PIPE	3'-10 9/16"	10	A53
m29	6	1-1/2 O.D PIPE	4'-0 1/8"	61	A53
m30	1	1-1/2 O.D PIPE	3'-10 9/16"	10	A53
m31	4	1-1/2 O.D PIPE	4'-0 1/16"	41	A53
p94	1	PL1/4"x1 1/2"	0'-1 1/2"	0	A36
r1	65	ROD3/4"	1'-6 11/16"	136	A36
r4	33	ROD3/4"	0'-9 3/16"	34	A36
r5	4	ROD3/4"	0'-9 3/16"	4	A36
r6	17	ROD3/4"	0'-9 1/4"	17	A36
r7	11	ROD3/4"	0'-9 1/4"	11	A36
TOTAL WEIGHT THIS DRAWING				916	

Total Qty. Unit Qty. Bolt Size & Length

△		
△		
△	For Fabrication	10/28/2015
NO.	REVISION	DATE
PROJECT NAME:	PRINCIPLE INFINITI	
LOCATION:	BOERNE, TEXAS.	
CONTR:	-	
DRAWN BY: VP	DATE: 10/28/2015	CHECKED BY: MSB
JOB NO. 13203	HANDRAIL	SHEET NO. 70

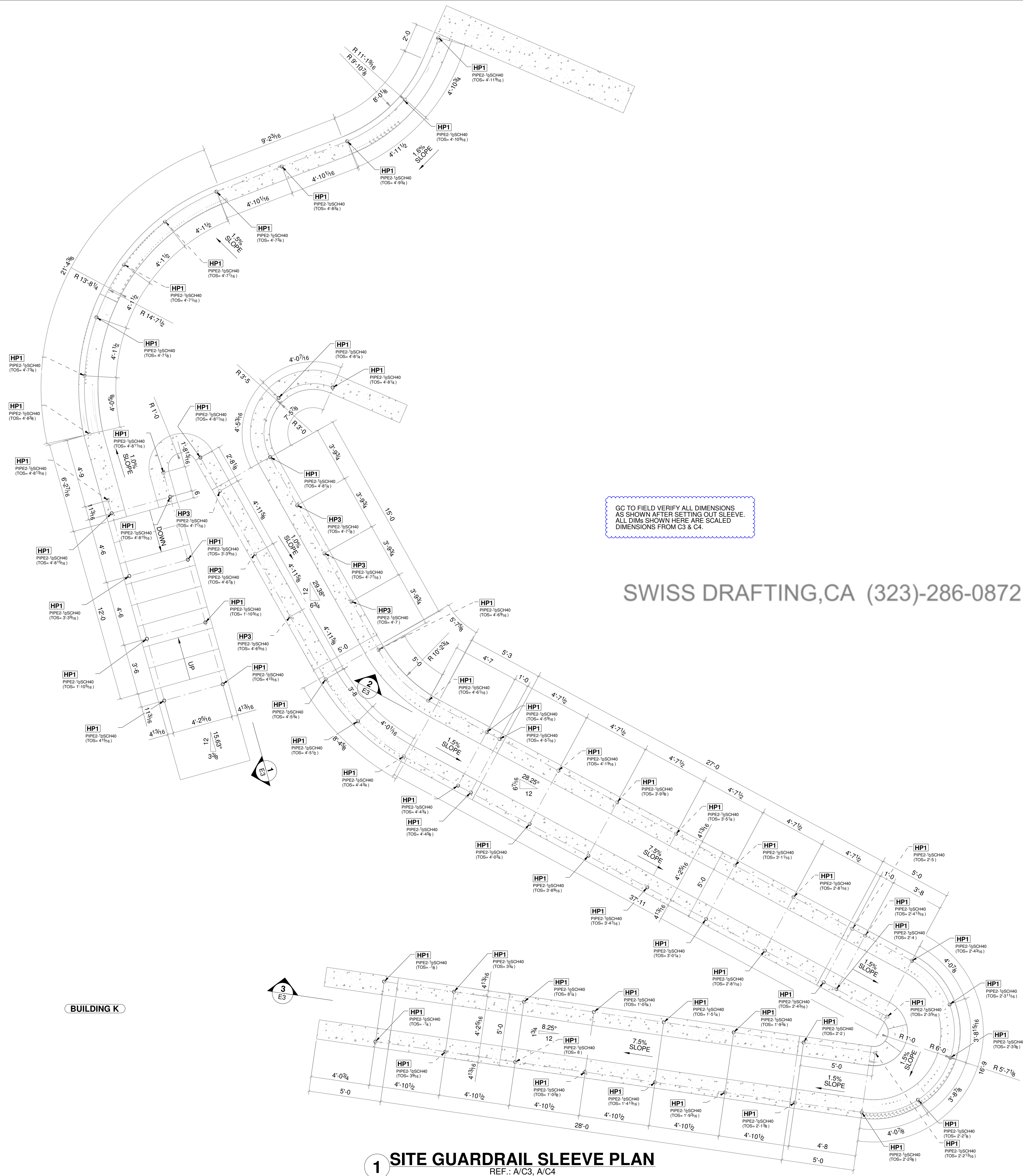


SWISS DRAFTING,CA (323) 286-0872

ISOMETRIC VIEW

GA DRAWING INDEX			
DWG. NO	DESCRIPTION	DATE	REVISION
E0	COVER PAGE	04-SEPTEMBER-2023	A
E1	SITE GUARDRAIL SLEEVE PLAN	04-SEPTEMBER-2023	A
E2	SITE GUARDRAIL PLAN	04-SEPTEMBER-2023	A
E2	RAIL SECTIONS	04-SEPTEMBER-2023	A

A	09/04/2023	ISSUED FOR APPROVAL			
PROJECT NAME & LOCATION					
DWG. TITLE: COVER PAGE					
CUSTOMER:					
MATERIAL:		HOLE SIZE:	13/16 DIA. U/N	DRAWN BY: RH	DATE: 09/01/2023
W SHAPES:		ELECTRODES:		CHK'D BY: EU	DATE: 09/04/2023
PIPES:		FINISH:		DWG. NO.	
HSS SHAPES:		AS PER SPEC.		REVISION	
PLATES/CHANNELS:		BOLT:	A325N	E0	
JOB NO. ---					A

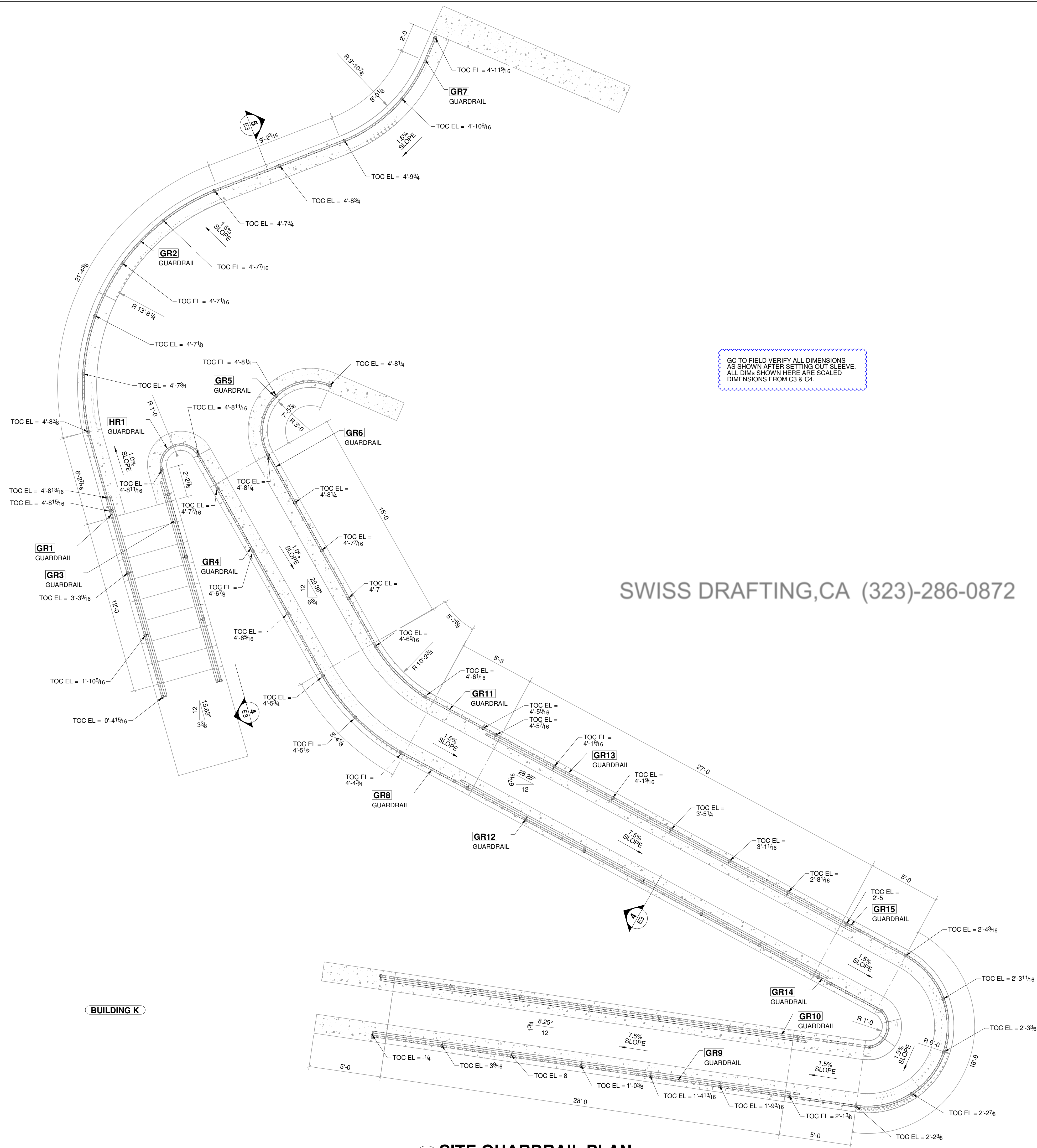


GC TO FIELD VERIFY ALL DIMENSIONS
AS SHOWN AFTER SETTING OUT SLEEVE.
ALL DIMS SHOWN HERE ARE SCALED
DIMENSIONS FROM C3 & C4.

SWISS DRAFTING,CA (323)-286-0872

NOTE TO APPROVER:
1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

A	09/04/2023	ISSUED FOR APPROVAL			
PROJECT NAME & LOCATION					
DWG. TITLE: SITE GUARDRAIL SLEEVE PLAN					
CUSTOMER:					
MATERIAL: W SHAPES: PIPES: HSS SHAPES: PLATES/CHANNELS:	A992 A53, Gr. B A500, Gr. B A36	HOLE SIZE:	13/16 DIA. I/JN	DRAWN BY: RH	DATE: 09/01/2023
		ELECTRODES:	E70XX	CHKD BY: EU	DATE: 09/04/2023
		FINISH:	AS PER SPEC.	DWG. NO. E1	REVISION A
		BOLT:	A325N		
JOB NO. ---					



GC TO FIELD VERIFY ALL DIMENSIONS
AS SHOWN AFTER SETTING OUT SLEEVE.
ALL DIMS SHOWN HERE ARE SCALED
DIMENSIONS FROM C3 & C4.

SWISS DRAFTING,CA (323)-286-0872

NOTE TO APPROVER:
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2. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

A

09/04/2023

ISSUED FOR APPROVAL

PROJECT NAME & LOCATION

DWG. TITLE:SITE GUARDRAIL PLAN

CUSTOMER:

MATERIAL:

W SHAPES:
PIPES:
HSS SHAPES:
PLATES/CHANNELS:

A53
Gr. B
A500
Gr. B
A36

A992

HOLE SIZE:

13/16 DIA. U/I/N

ELECTRODES:

E70XX

FINISH:

AS PER SPEC.

BOLT:

A325N

DRAWN BY:

RH

CHK'D BY:

EU

DWG. NO.

E2

DATE:

09/01/2023

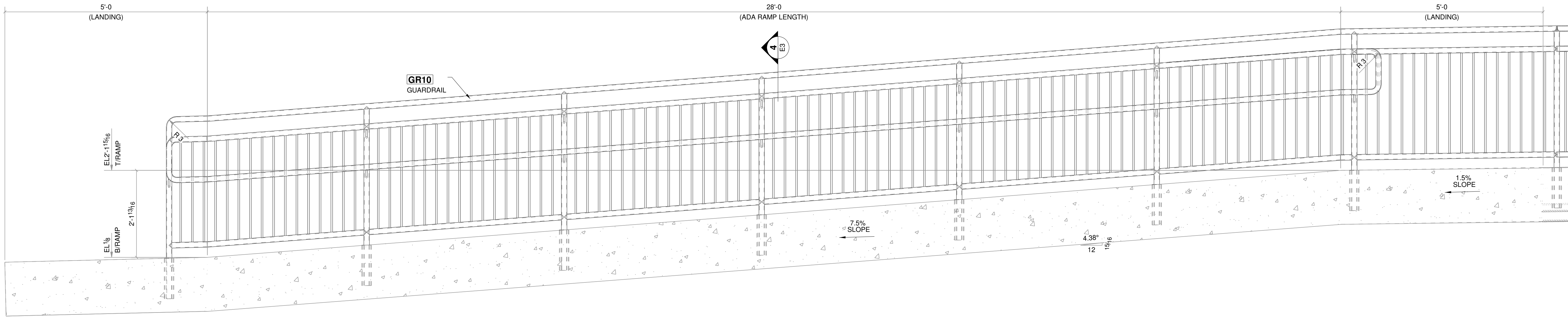
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09/04/2023

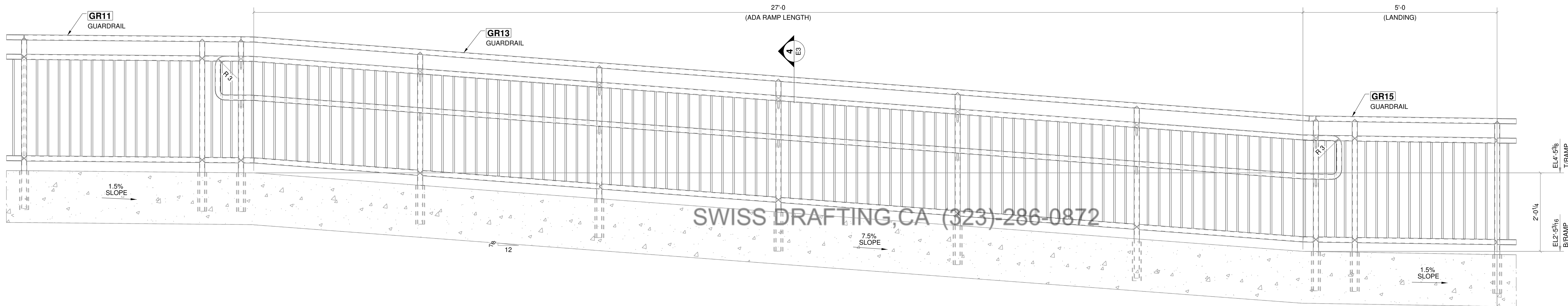
REVISION

A

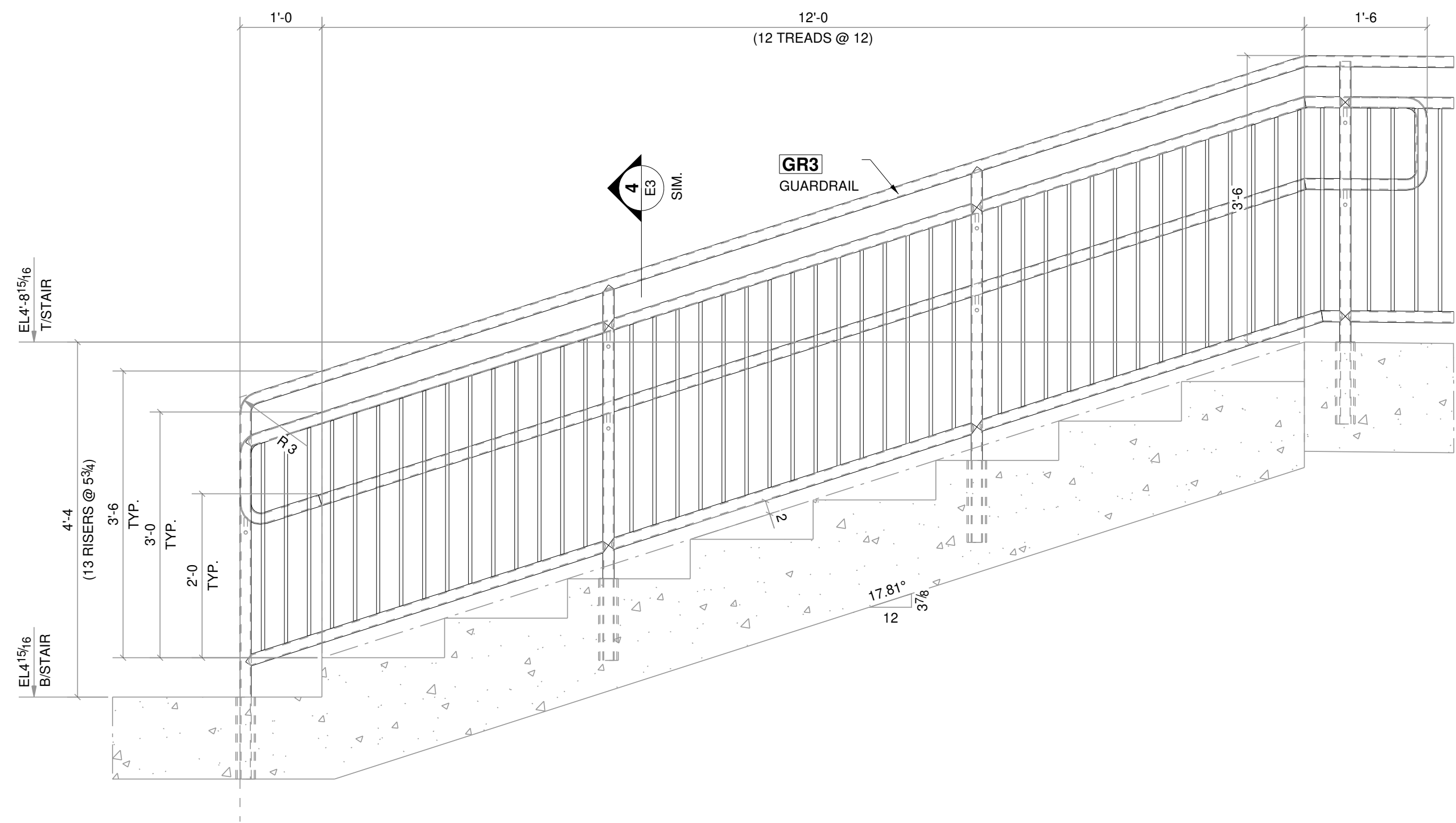
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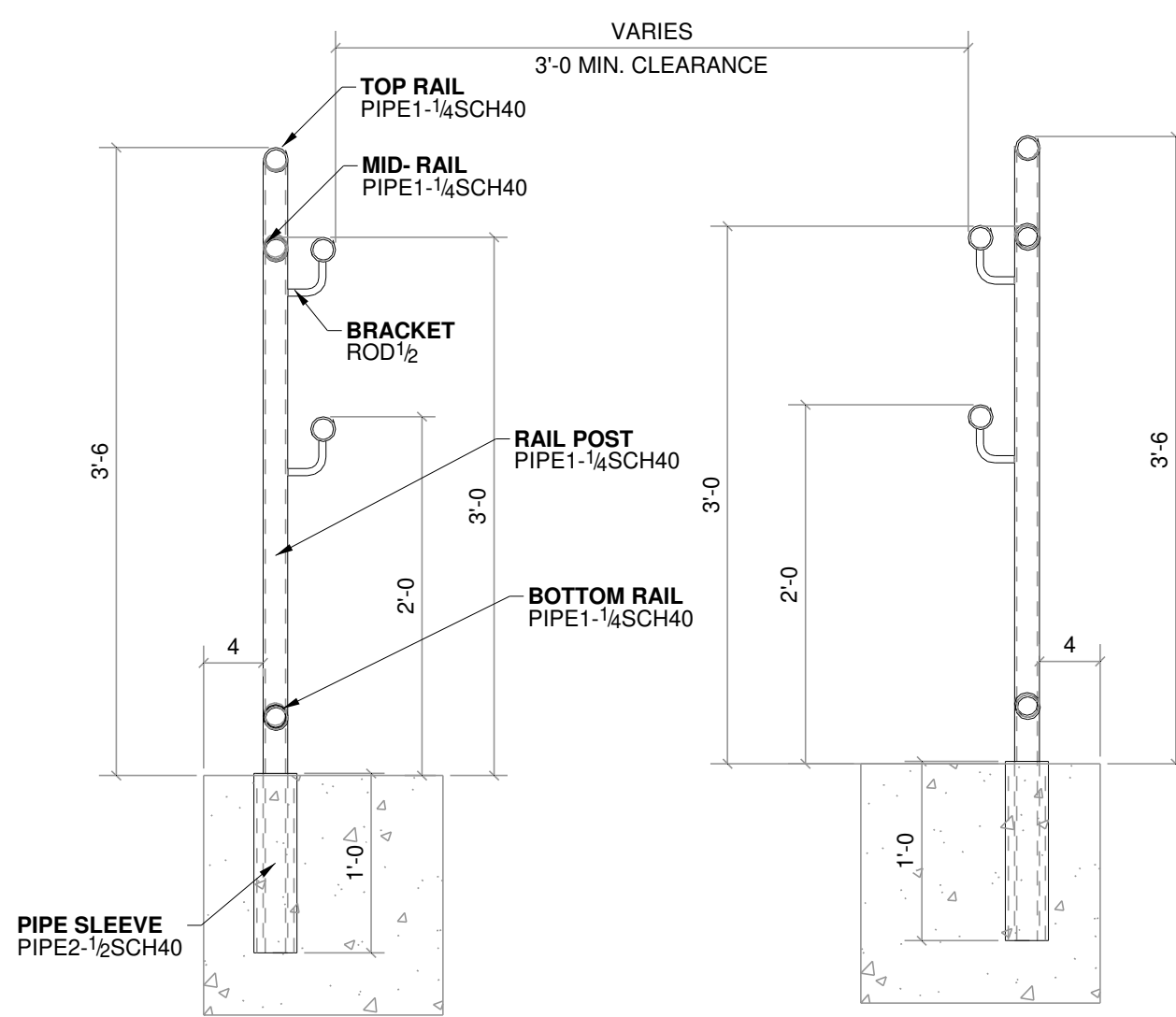
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REF.: D/C4



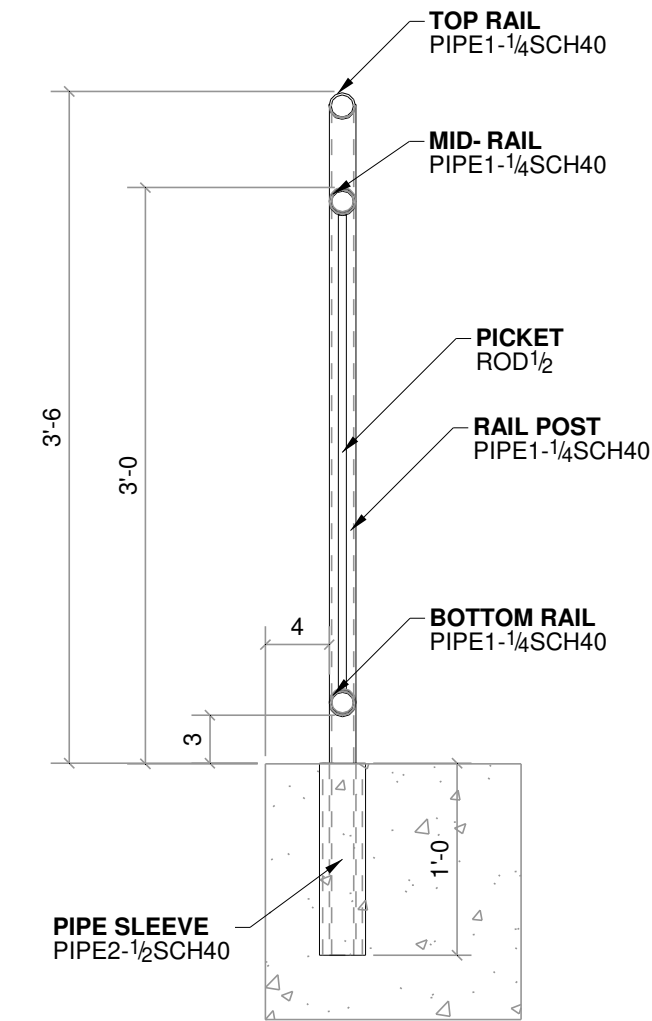
2 SECTION
REF.: B/C4



1 SECTION
REF.: C5



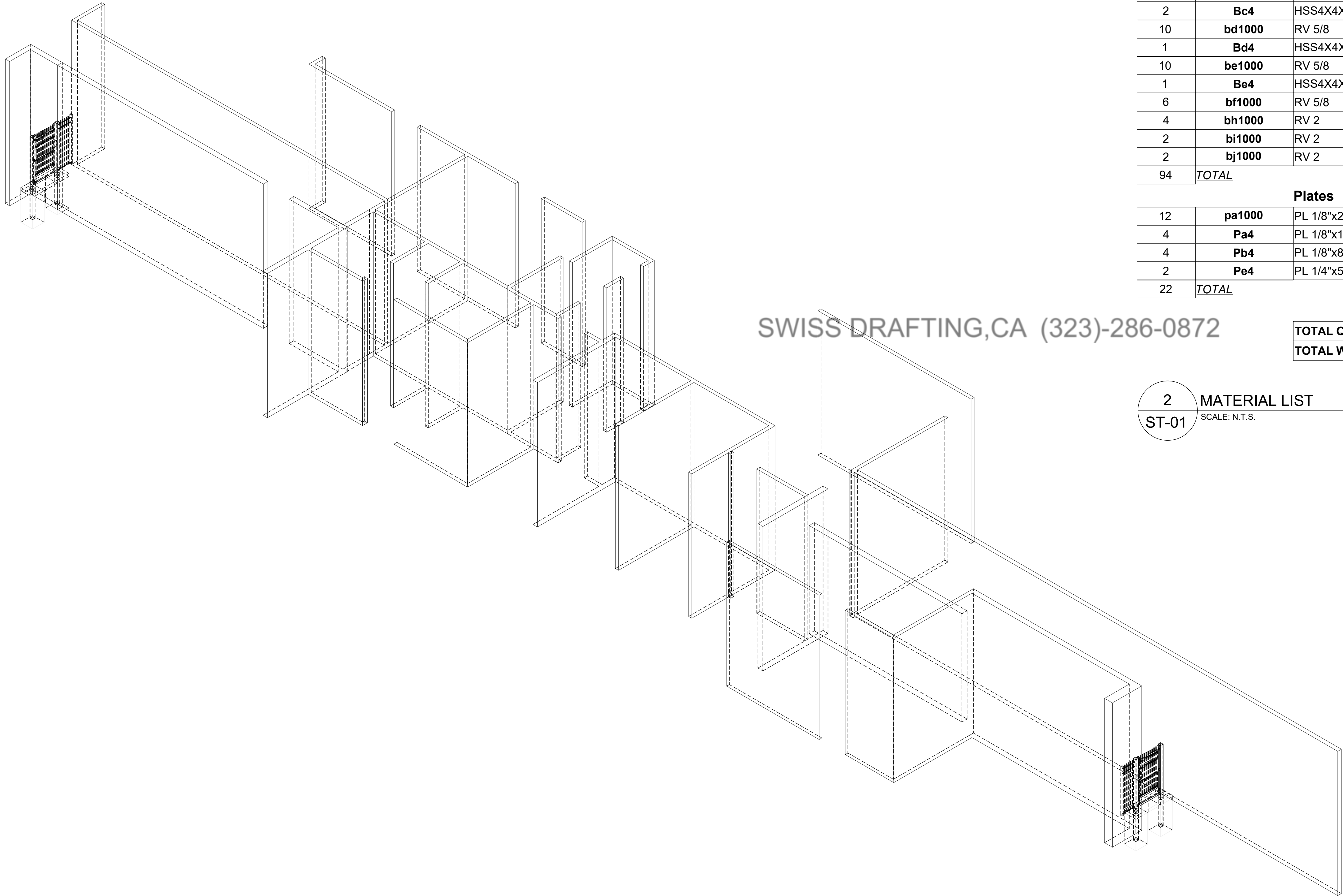
4 TYP. RAMP SECTION
REF.: C5



5 TYP. RAIL SECTION
REF.: C5

NOTE TO APPROVER:
1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.
2. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.

A	09/04/2023	ISSUED FOR APPROVAL			
PROJECT NAME & LOCATION					
DWG. TITLE: RAIL SECTIONS					
CUSTOMER:					
MATERIAL: W SHAPES: A992 PIPES: A53 Gr. B HSS SHAPES: A500 Gr. B PLATES/CHANNELS: A36		HOLE SIZE:	13/16 DIA. UN	DRAWN BY: RH	DATE: 09/01/2023
		ELECTRODES:	E70XX	CHK'D BY: EU	DATE: 09/04/2023
		FINISH:	AS PER SPEC.	DWG. NO. E3	REVISION 
		BOLT:	A325N		
JOB NO. ---					



1 ISOMETRIC VIEW
ST-01 SCALE: 3/16" = 1' - 0"

GENERAL NOTES

- 1- SEE MATERIAL LIST STEEL GRADE
- 2- ALL WELDING STRENGTH TO BE 3/16"
- 3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
- 4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

Quantity	Mark	Description	Length	Grade	Part weight	Total weight
			(inch)		pound	pound
Beams						
18	ba1000	RV 5/8	3'-9 3/4"	A36	5.07	91.23
6	Ba4	RB 1/4	0'-2"	A36	0.03	0.17
18	bb1000	RV 5/8	0'-5 5/16"	A36	0.59	10.62
4	Bb4	RV 2	5'-5 1/16"	A36	73.83	295.34
10	bc1000	RV 5/8	4'-5 3/8"	A36	5.91	59.13
2	Bc4	HSS4X4X3/16	9'-0 11/16"	A500 GR.C	85.34	170.68
10	bd1000	RV 5/8	0'-5 3/8"	A36	0.60	5.95
1	Bd4	HSS4X4X3/16	9'-0 11/16"	A500 GR.C	85.34	85.34
10	be1000	RV 5/8	0'-3 7/16"	A36	0.38	3.84
1	Be4	HSS4X4X3/16	9'-0 11/16"	A500 GR.C	85.34	85.34
6	bf1000	RV 5/8	1'-6 1/4"	A36	2.02	12.13
4	bh1000	RV 2	2'-5"	A36	32.90	131.59
2	bi1000	RV 2	5'-5 1/16"	A36	73.83	147.67
2	bj1000	RV 2	2'-9"	A36	37.43	74.87
94	TOTAL				TOTAL	1,173.90
Plates						
12	pa1000	PL 1/8"x2"x0'-2"	0'-2"	A36	0.14	1.70
4	Pa4	PL 1/8"x18"x2'-5"	2'-5"	A36	16.19	64.77
4	Pb4	PL 1/8"x8"x2'-5"	2'-5"	300W	6.95	27.80
2	Pe4	PL 1/4"x5-3/4"x0'-8"	0'-8"	A36	3.26	6.52
22	TOTAL				TOTAL	100.79

TOTAL QUANTITY	116
TOTAL WEIGHT	1,274.69 pound

2	MATERIAL LIST
ST-01	SCALE: N.T.S.

REVISIONS:

R.G.A
RUSSELL GALLAWAY ASSOCIATES inc.
115 MEYERS STREET SUITE 110
CHICO, CA 95928
530 342 0302

TORRES SHELTER PHASE 2
101 SILVER DOLLAR WAY
CHICO, CA 95928
GATES SHOP DRAWINGS

DATE : 02/27/25
DRAWN BY : EG
CHECKED BY : --

PROJECT	DRAWING
	ST-01

GENERAL NOTES

1- SEE MATERIAL LIST STEEL GRADE
2- ALL WELDING STRENGTH TO BE 3/16"
3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

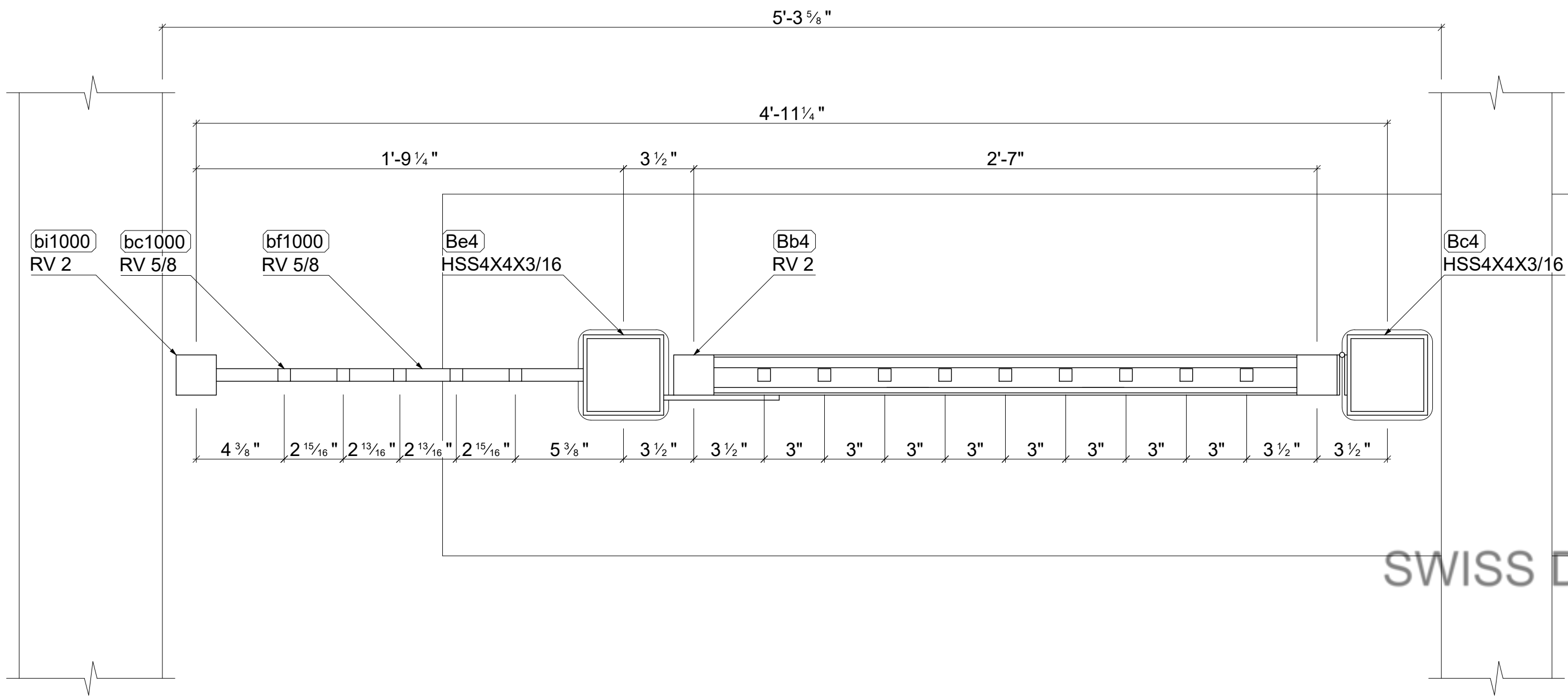
REVISIONS:

R.G.A
RUSSELL GALLAWAY ASSOCIATES inc.
115 MEYERS STREET SUITE 110
CHICO, CA 95928
530 342 0302

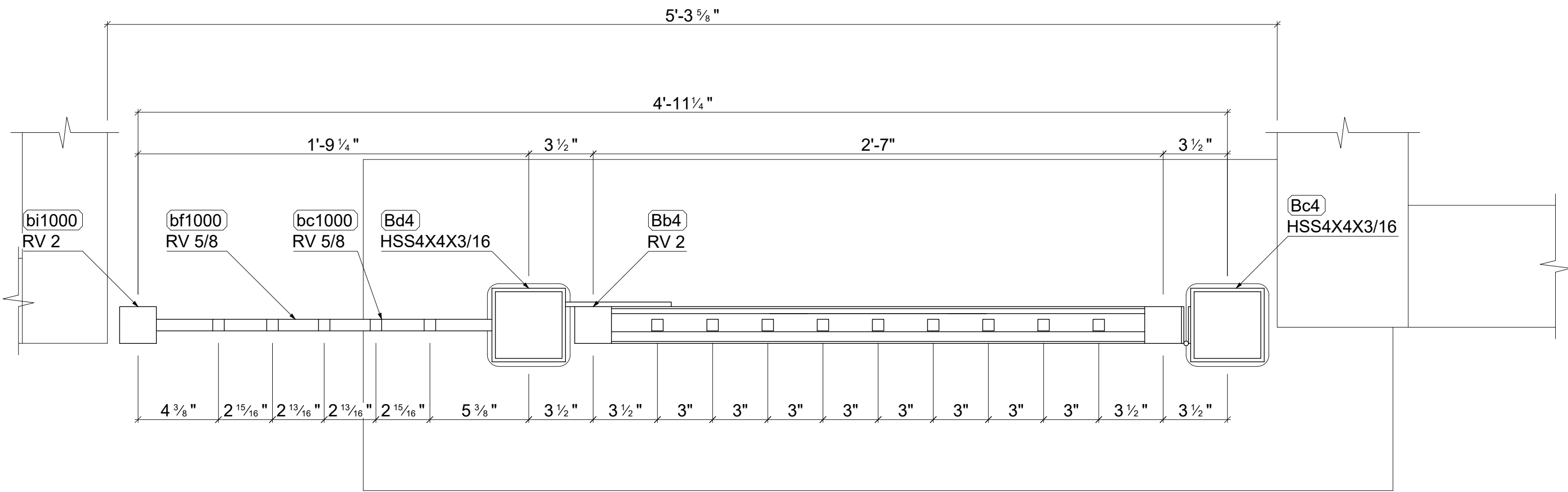
TORRES SHELTER PHASE 2
101 SILVER DOLLAR WAY
CHICO, CA 95928
GATES SHOP DRAWINGS

DATE : 02/27/25
DRAWN BY : EG
CHECKED BY : --

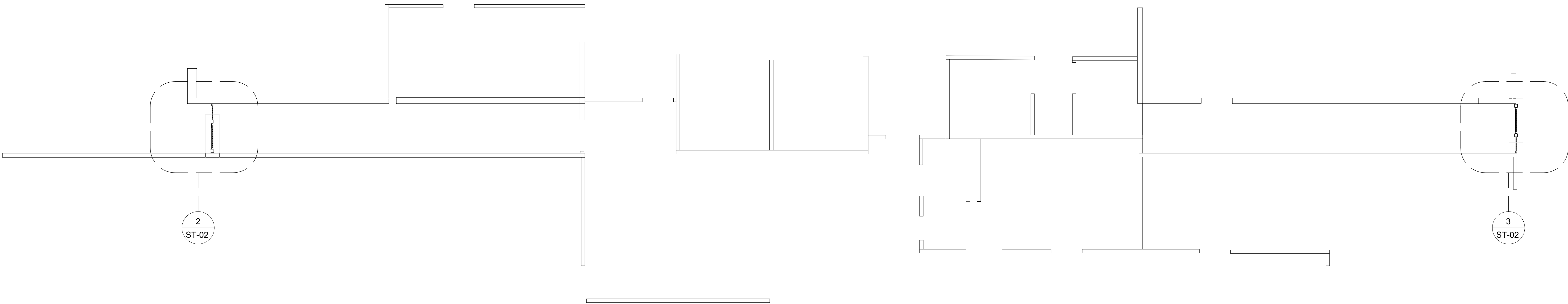
PROJECT DRAWING
ST-02



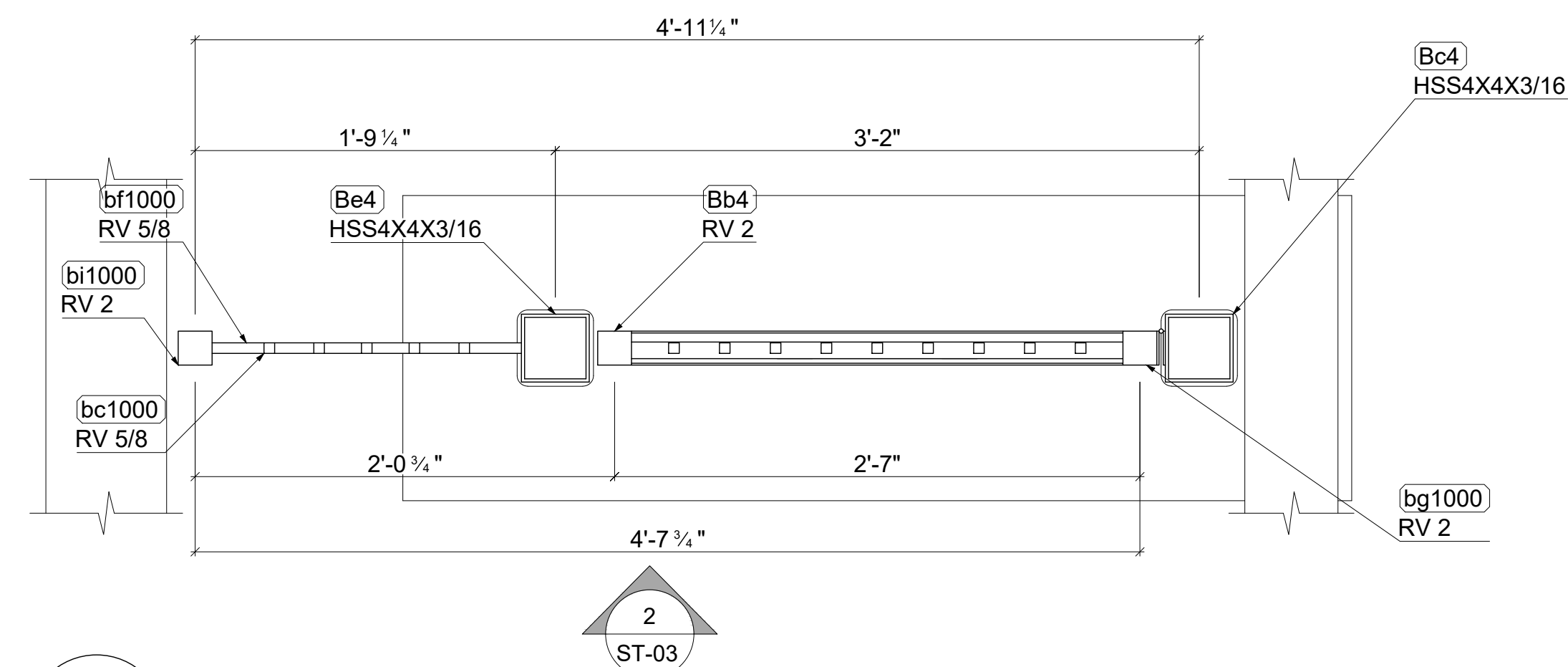
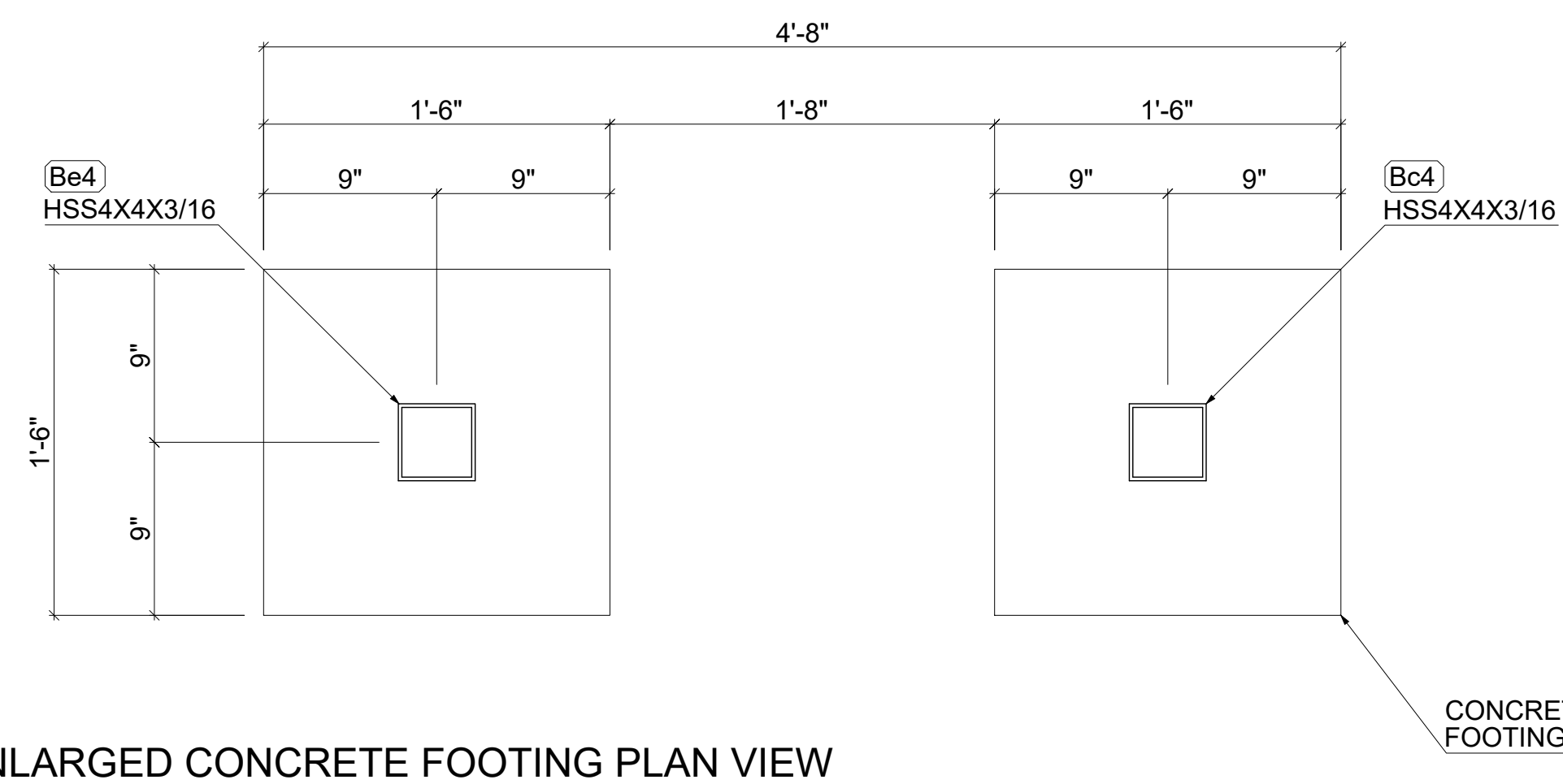
2 ENLARGED PLAN VIEW
ST-02 SCALE: 3/16" = 1' - 0"



3 ENLARGED PLAN VIEW
ST-02 SCALE: 3/16" = 1' - 0"

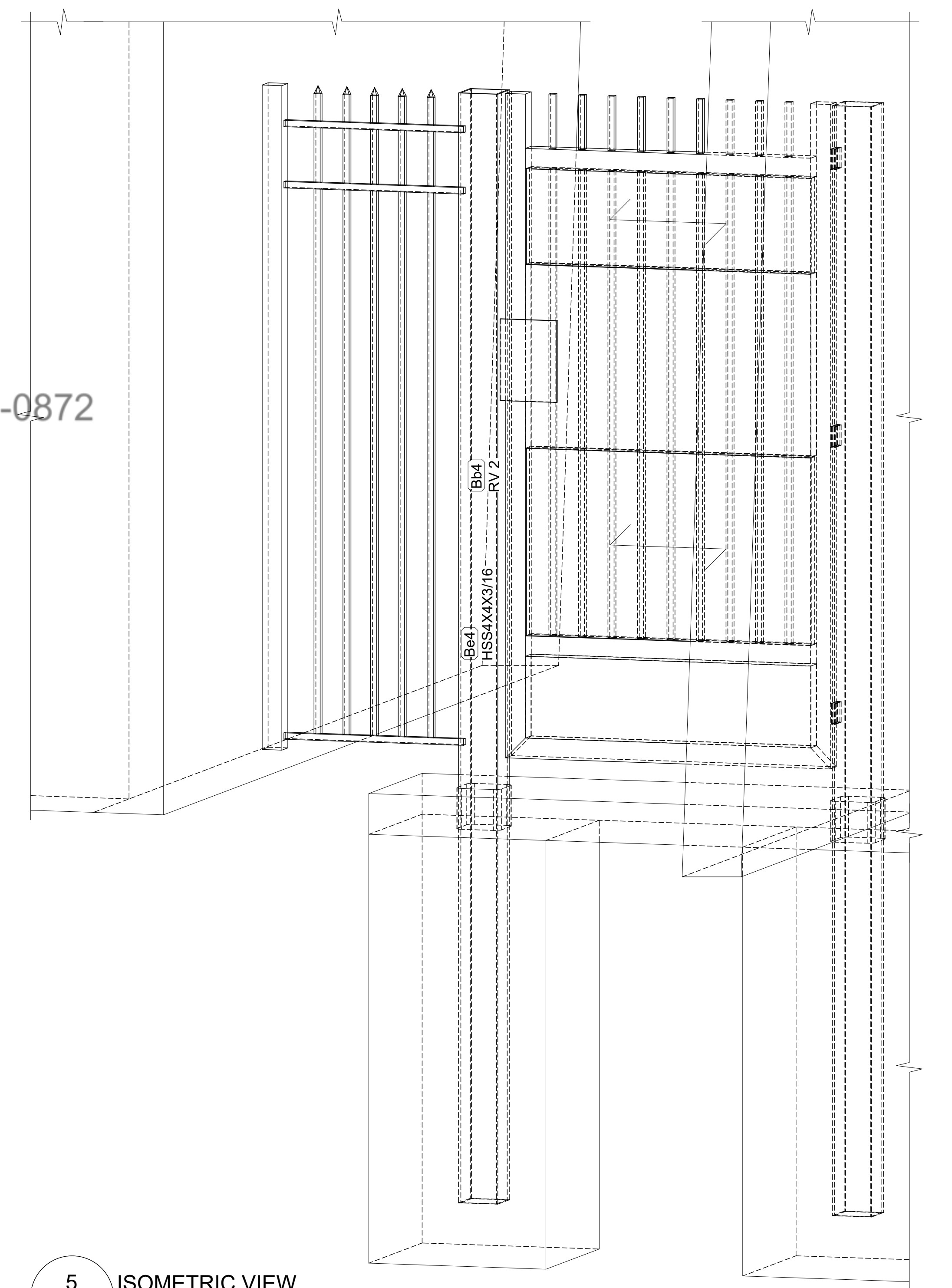
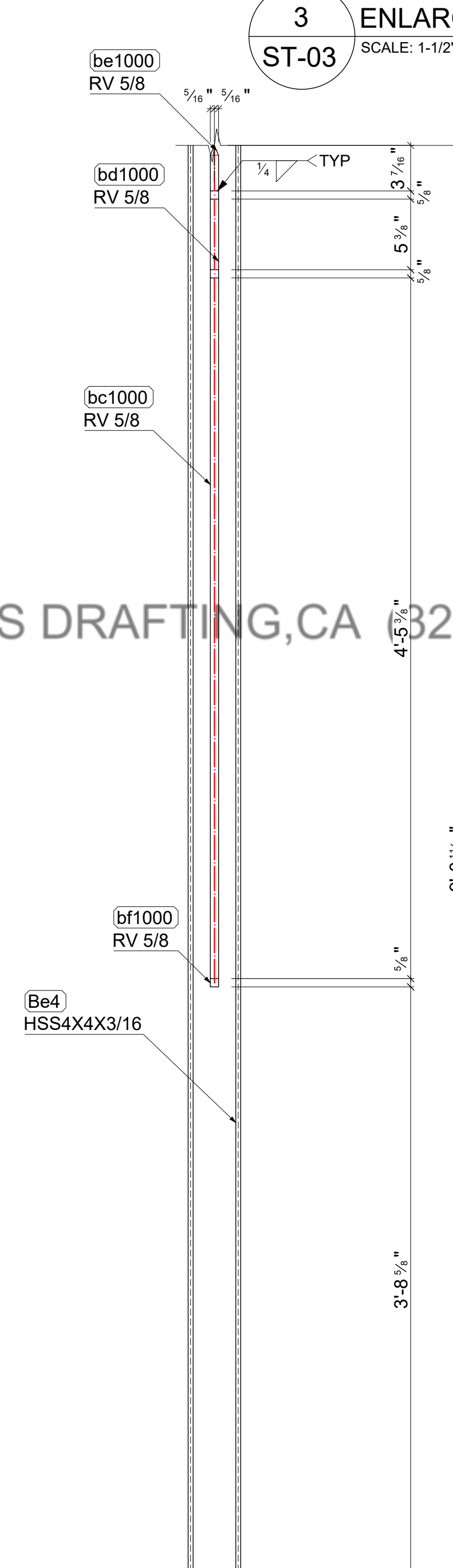
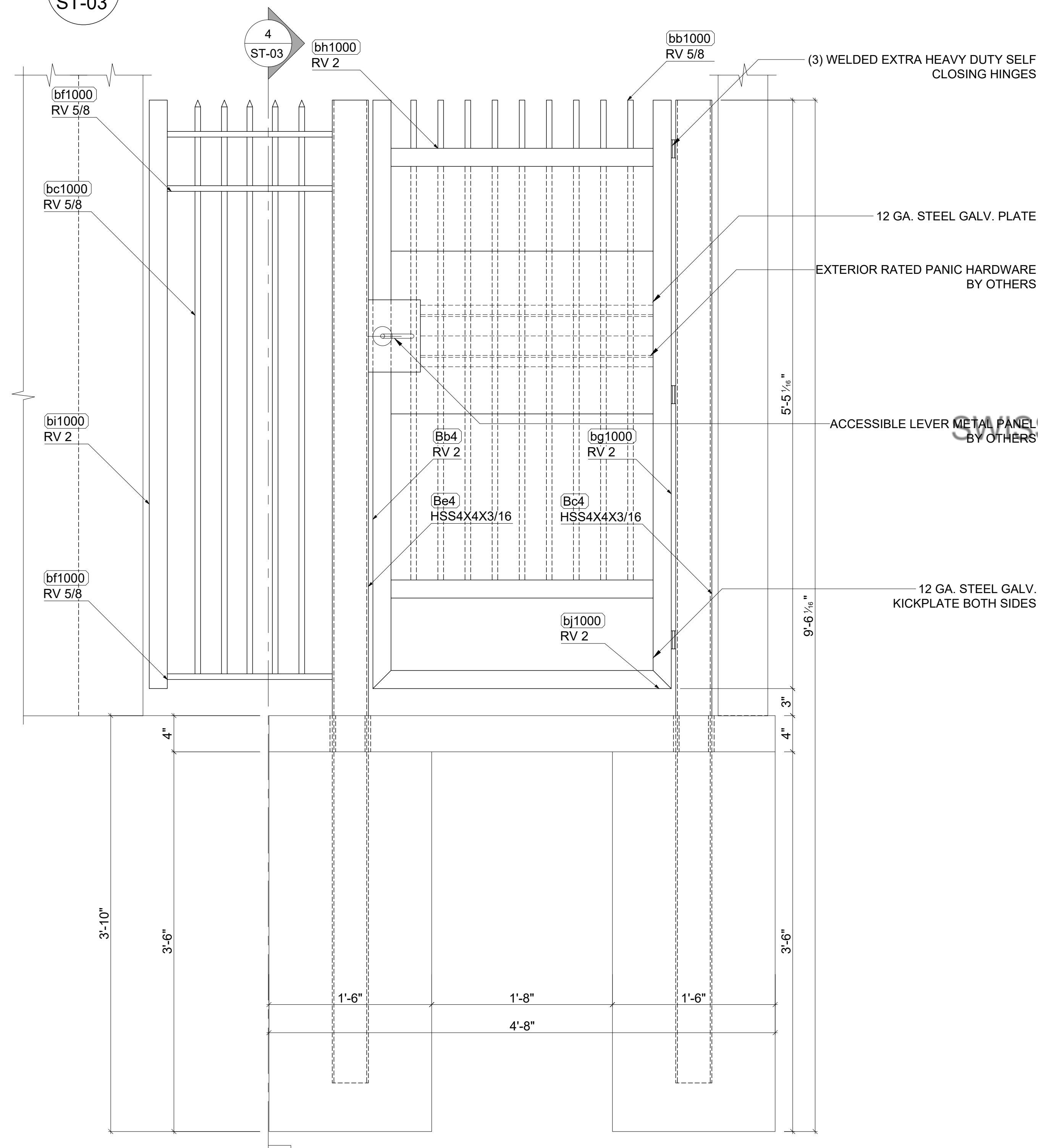


1 PLAN VIEW AT GATES
ST-02 SCALE: 3/16" = 1' - 0"



GENERAL NOTES

- 1- SEE MATERIAL LIST STEEL GRADE
- 2- ALL WELDING STRENGTH TO BE 3/16"
- 3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
- 4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

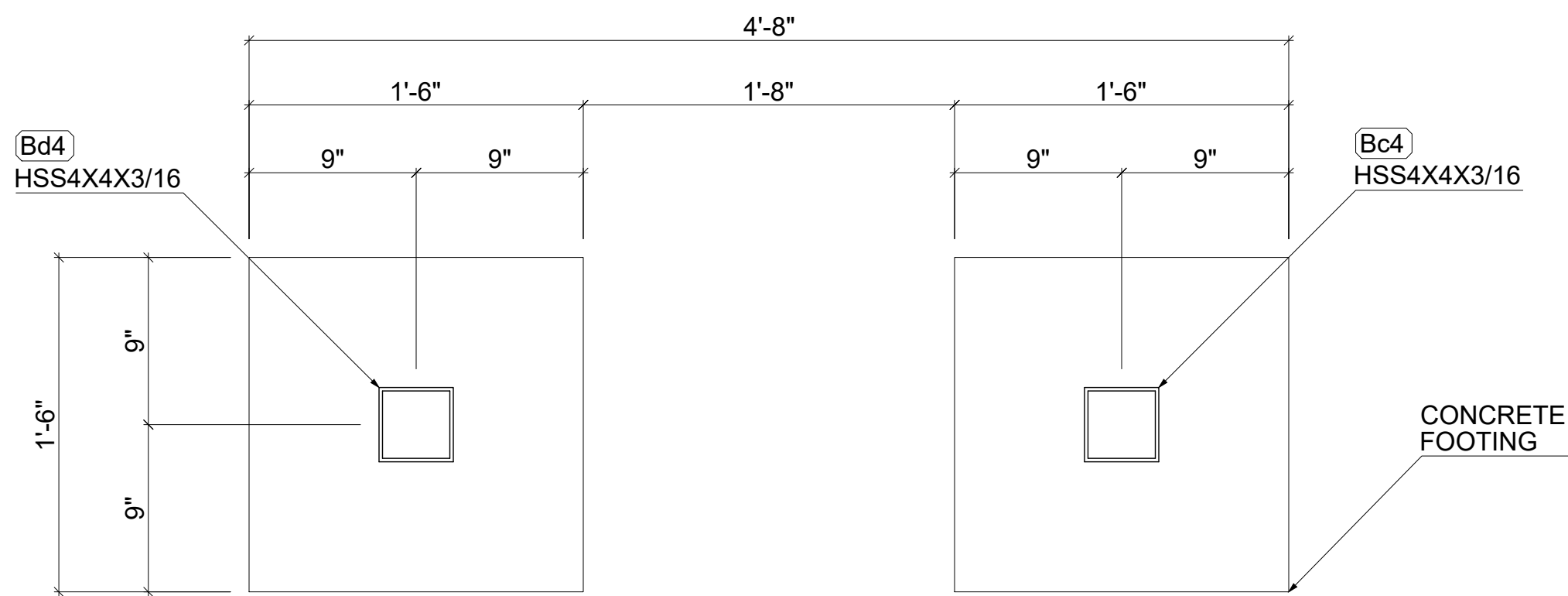
REVISIONS:

R.G.A
RUSSELL, GALLAWAY ASSOCIATES inc.
115 MEYERS STREET SUITE 110
CHICO, CA 95928
530 342 0302

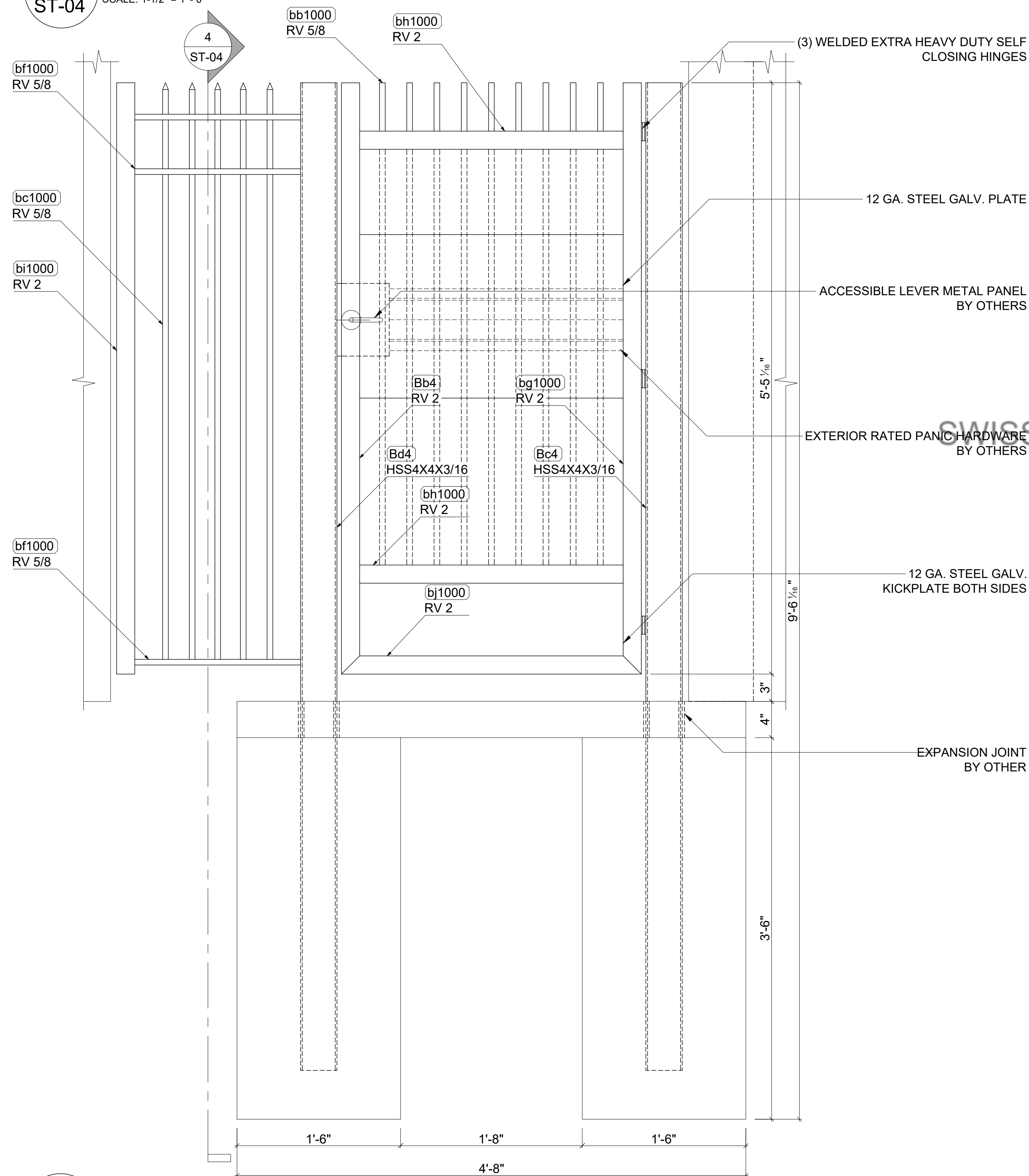
TORRES SHELTER PHASE 2
101 SILVER DOLLAR WAY
CHICO, CA 95928
GATES SHOP DRAWINGS

DATE : 02/27/25
DRAWN BY : EG
CHECKED BY : --

PROJECT	DRAWING
	ST-03

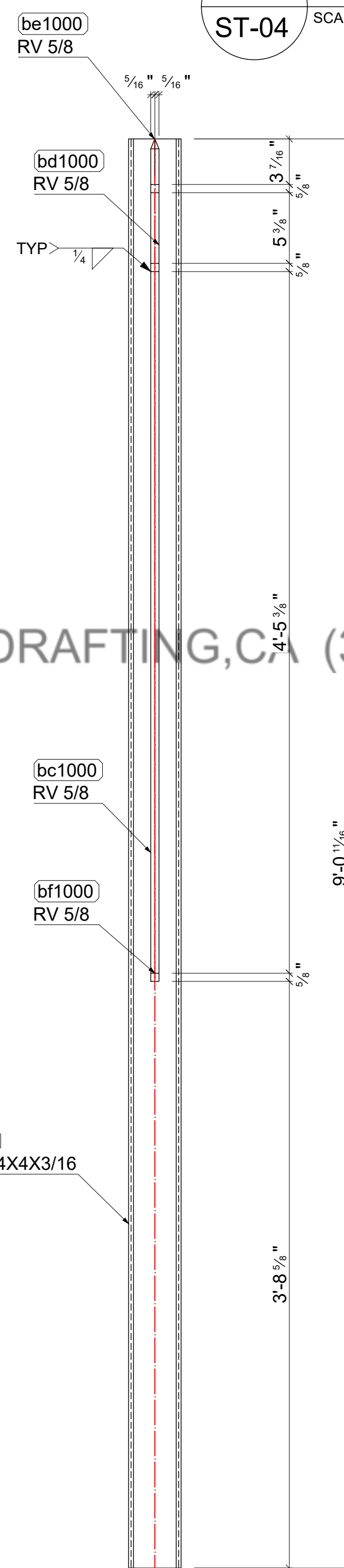


1 ENLARGED CONCRETE FOOTING PLAN VIEW
ST-04 SCALE: 1-1/2" = 1' - 0"

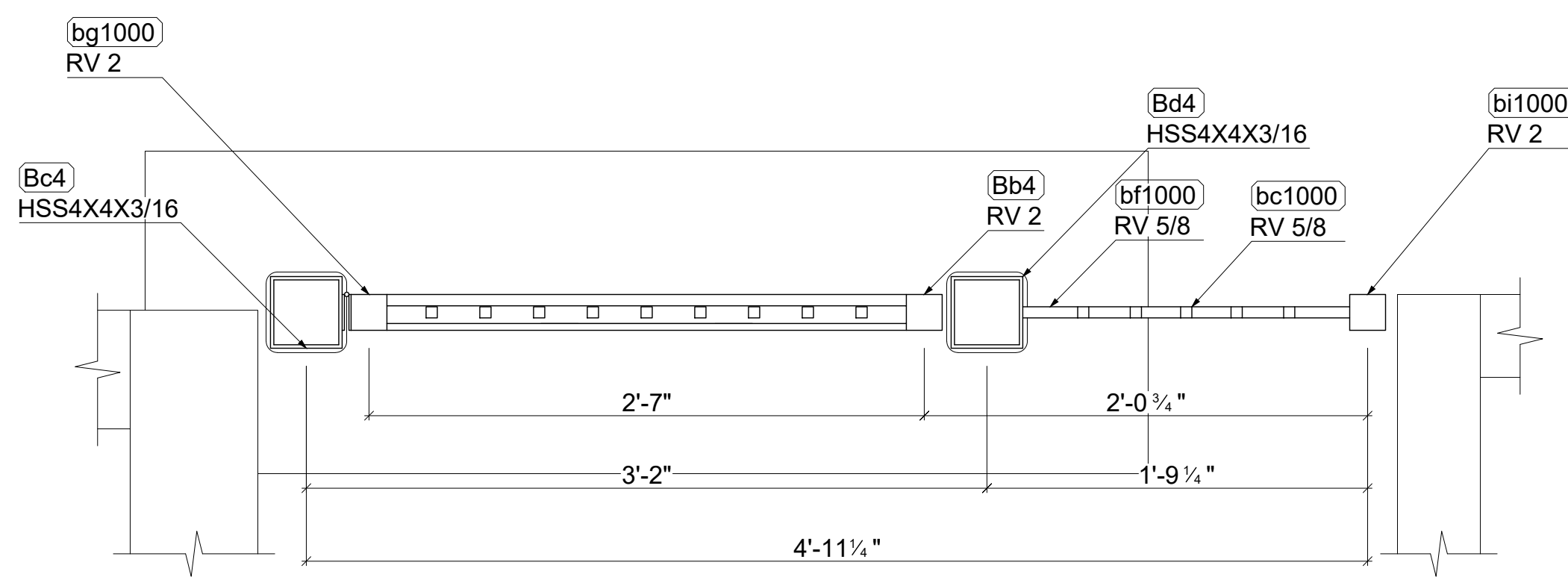


2 ELEVATION VIEW AT GATE
ST-04 SCALE: 1-1/2" = 1' - 0"

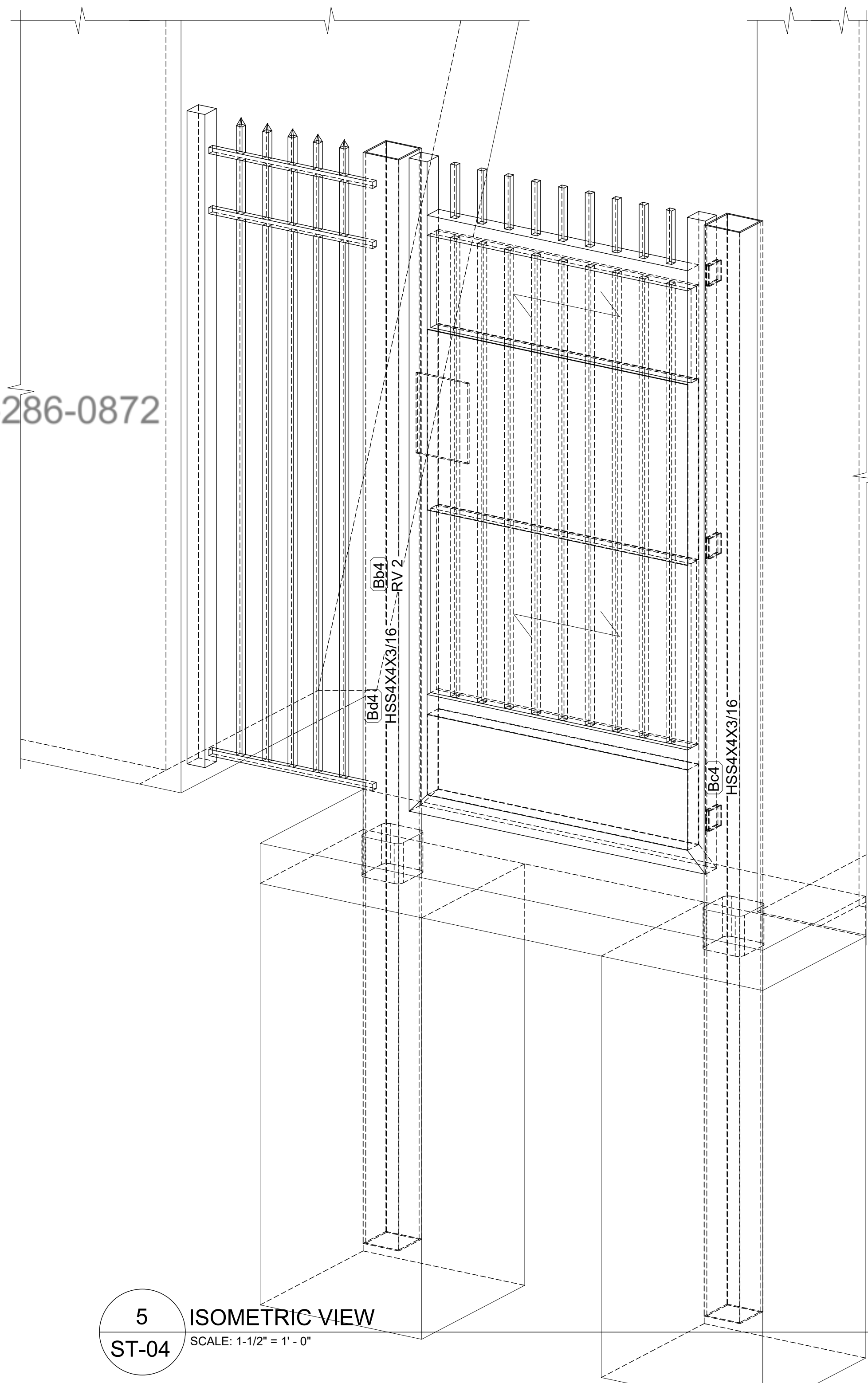
3 ENLARGED GATE PLAN VIEW
ST-04 SCALE: 1-1/2" = 1' - 0"



4 SECTION DETAIL
ST-04 SCALE: 1-1/2" = 1' - 0"



2 ST-04



5 ISOMETRIC VIEW
ST-04 SCALE: 1-1/2" = 1' - 0"

GENERAL NOTES

- 1- SEE MATERIAL LIST STEEL GRADE
- 2- ALL WELDING STRENGTH TO BE 3/16"
- 3- ALL PLATE THICKNESSES AS PER THE MATERIAL LIST
- 4- ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION

REVISIONS:

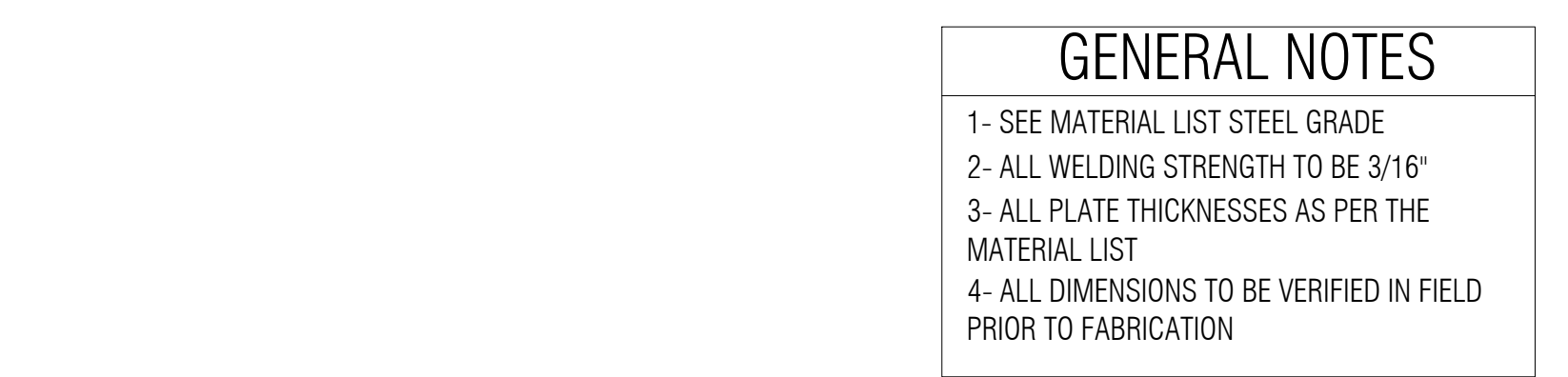
R.G.A
RUSSELL GALLAWAY ASSOCIATES inc.
115 MEYERS STREET SUITE 110
CHICO, CA 95928
530 342 0302

TORRES SHELTER PHASE 2

101 SILVER DOLLAR WAY
CHICO, CA 95928
GATES SHOP DRAWINGS

DATE: 02/27/25
DRAWN BY: EG
CHECKED BY: --

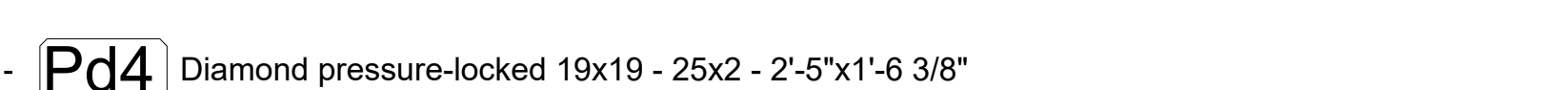
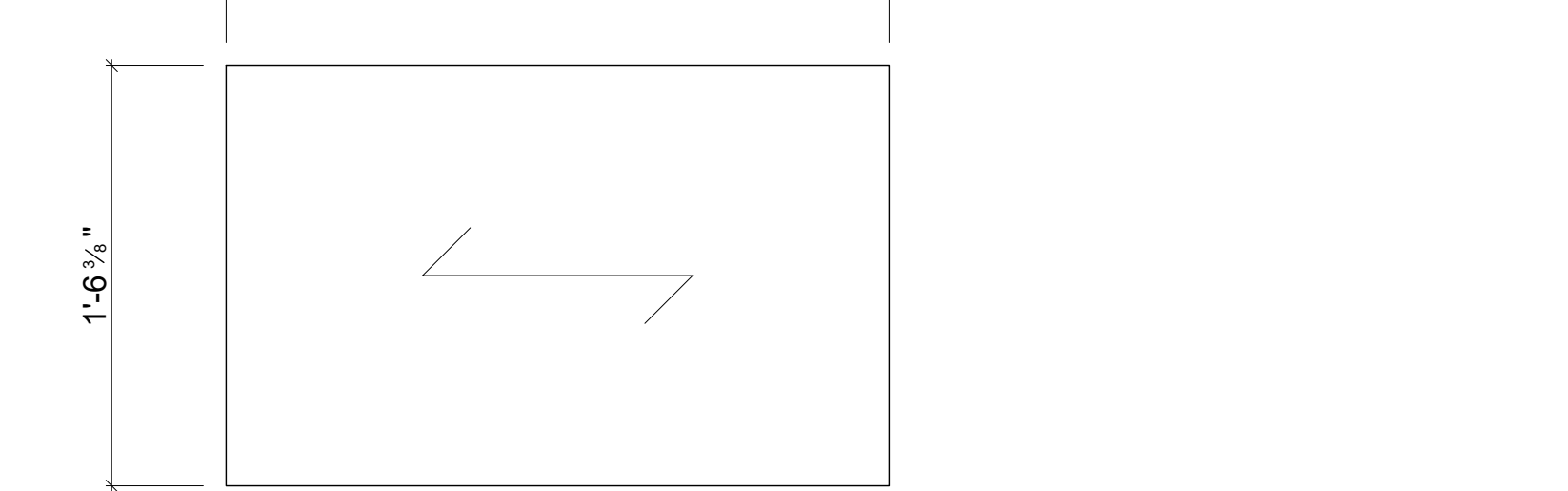
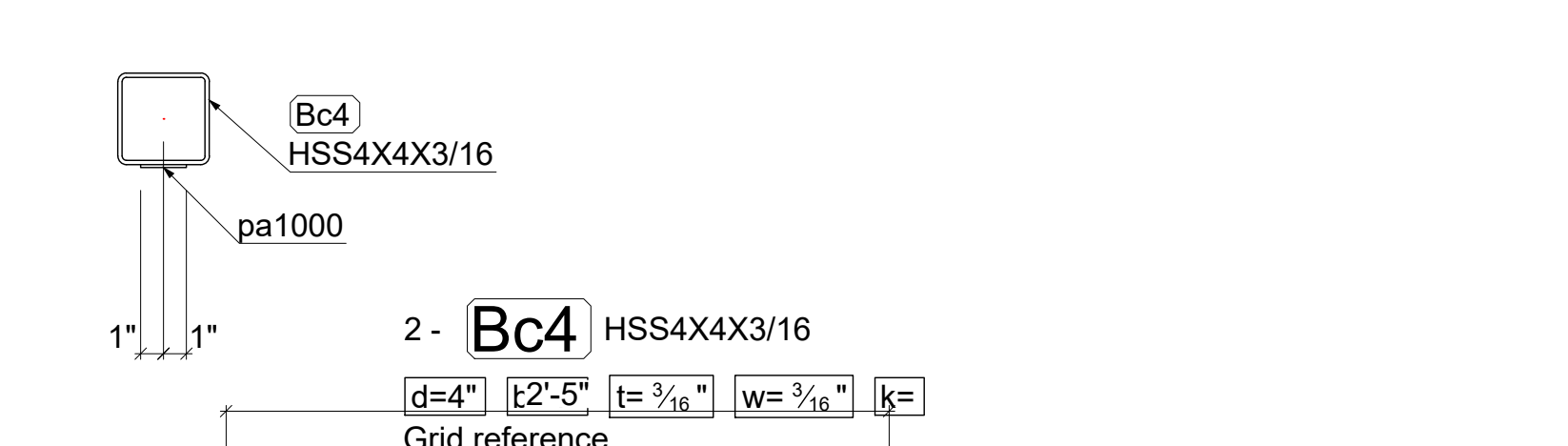
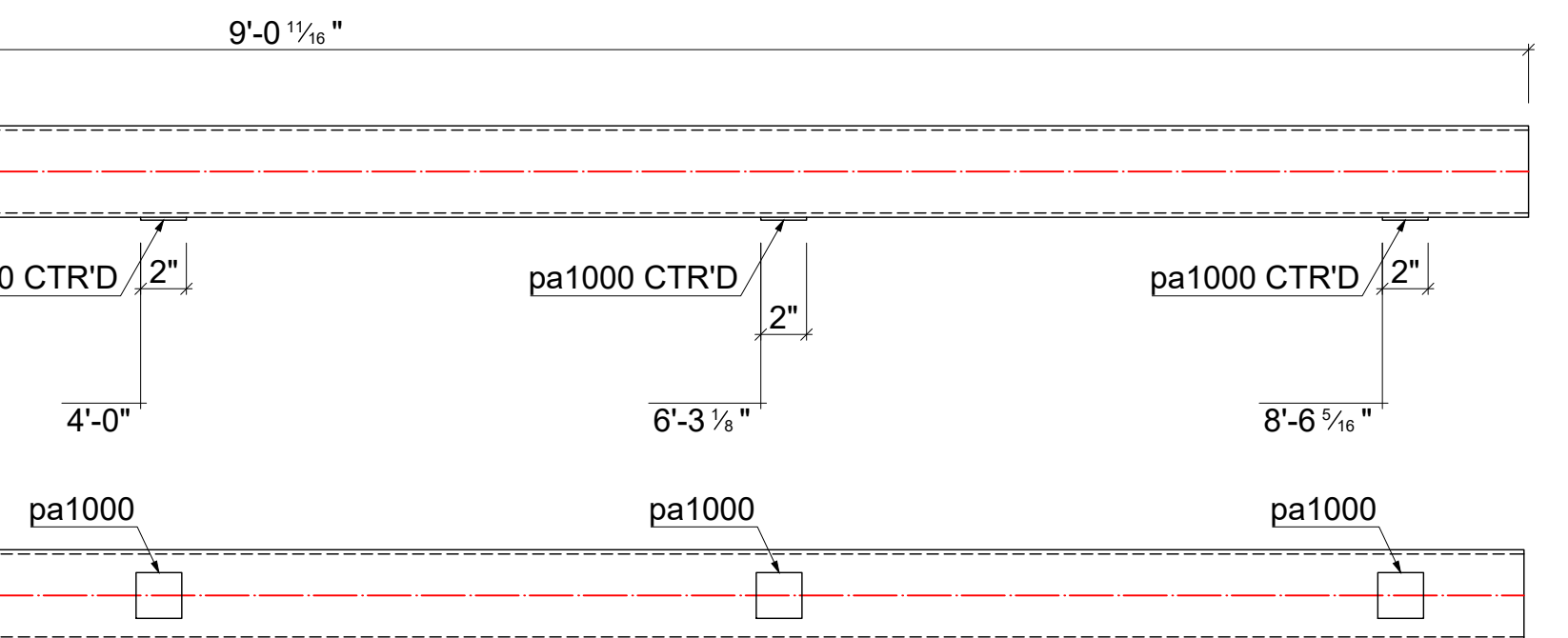
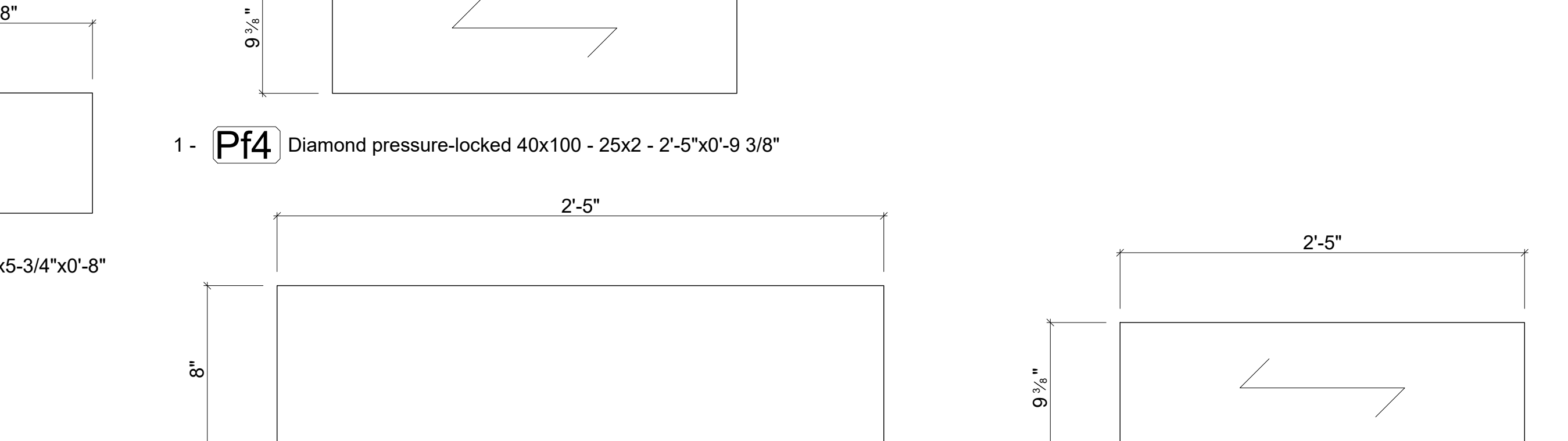
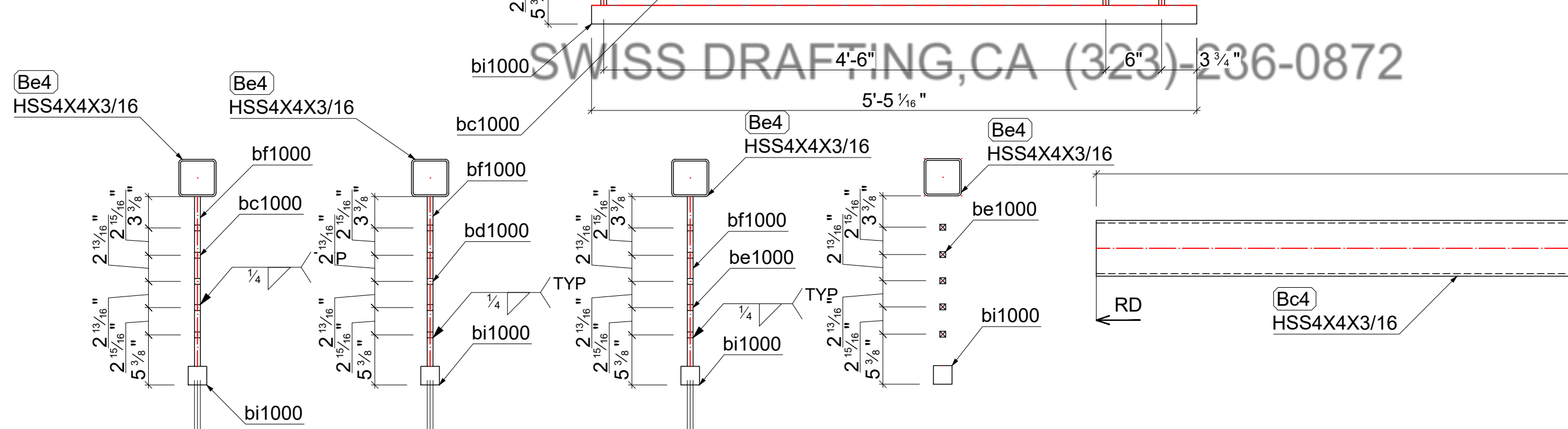
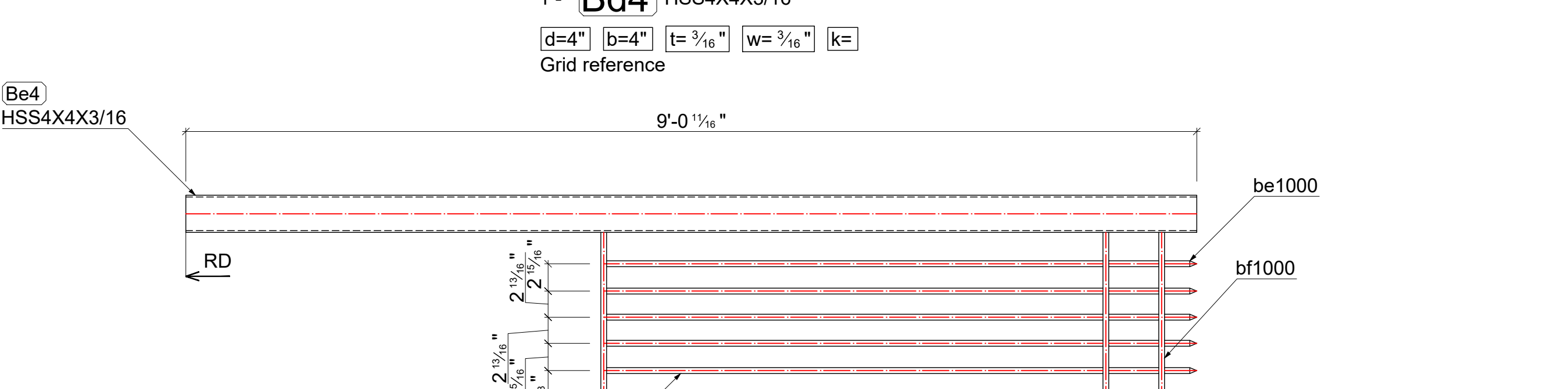
PROJECT DRAWING
ST-04



REVISIONS:

TORRES SHELTER PHASE 2
101 SILVER DOLLAR WAY
CHICO, CA 95928
GATES SHOP DRAWINGS

PROJECT	DRAWING
	ST-05



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R.G.A

 RUSSELL, GALLAWAY ASSOCIATES inc.
 115 MEYERS STREET SUITE 110
 CHICO, CA 95928
 530 342 0302

TORRES SHELTER PHASE 2

101 SILVER DOLLAR WAY
CHICO, CA 95928
GATES SHOP DRAWINGS

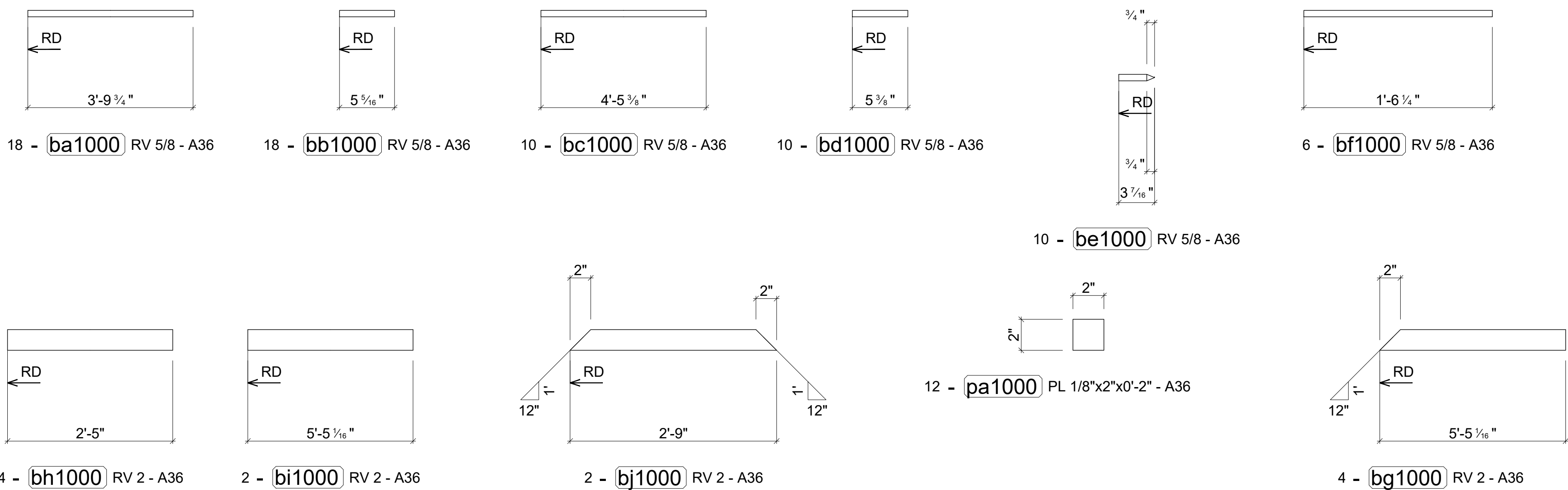
DATE : 02/27/25
DRAWN BY : EG
CHECKED BY : --

PROJECT	DRAWING
	ST-06

1- SEE MATERIAL LIST STEEL GRADE
2- ALL WELDING STRENGTH TO BE 3/16"
3- ALL PLATE THICKNESSES AS PER THE
MATERIAL LIST
4- ALL DIMENSIONS TO BE VERIFIED IN FIELD
PRIOR TO FABRICATION

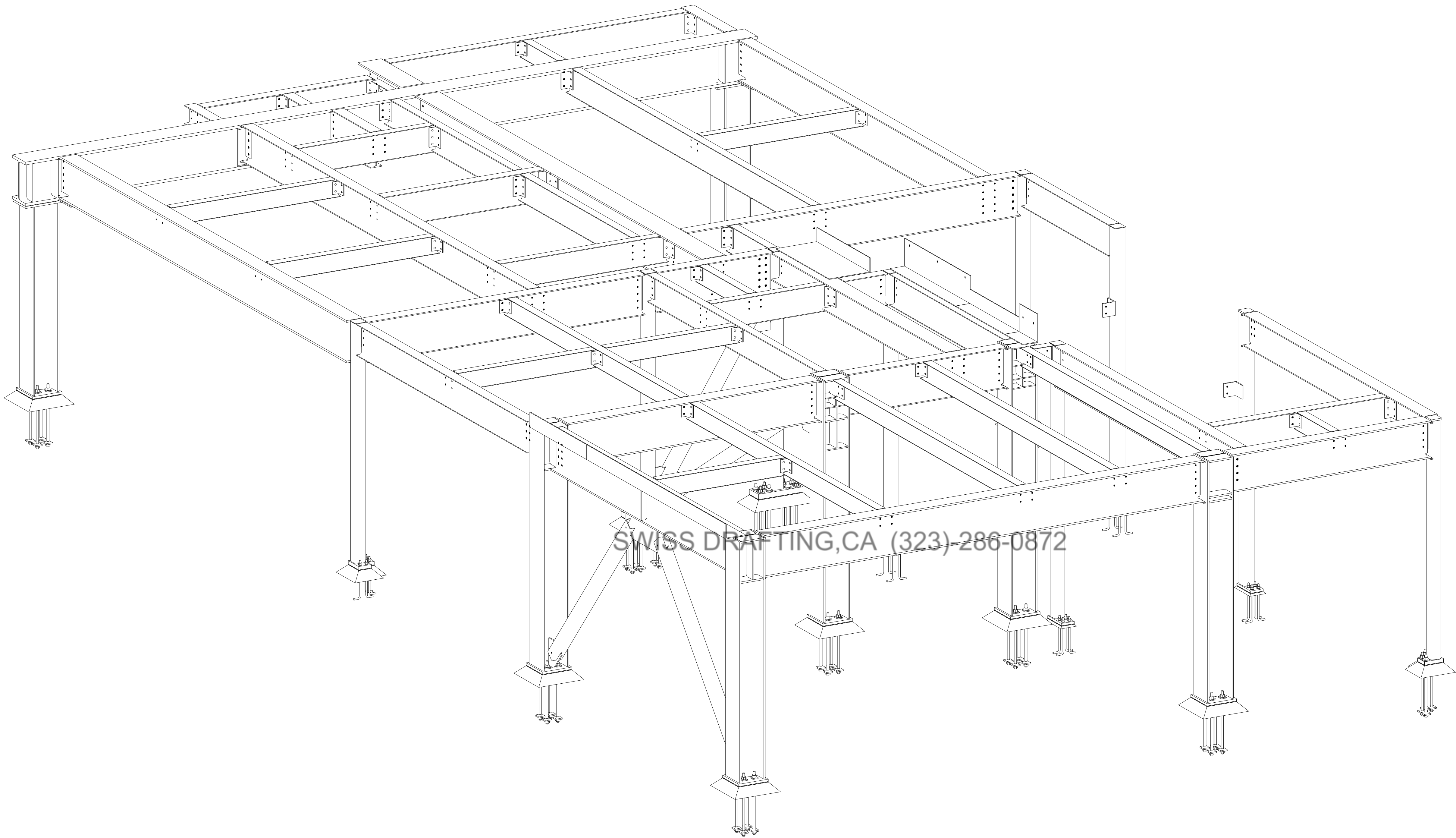
Mark	Quantity	Description	Length	Grade	Part weight	Total weight
ba1000	18	RV 5/8"	3'-9 3/4"	A36	5.07	91.23
bb1000	18	RV 5/8"	0'-5 5/16"	A36	0.59	10.62
bc1000	18	RV 5/8"	4'-5 3/8"	A36	5.91	59.13
bd1000	10	RV 5/8"	0'-5 3/8"	A36	0.60	5.95
be1000	10	RV 5/8"	0'-3 7/16"	A36	0.38	3.84
bf1000	4	RV 5/8"	1'-6 1/4"	A36	2.02	12.13
bg1000	4	RV 2"	5'-5 1/16"	A36	73.83	295.34
bh1000	4	RV 2"	2'-5"	A36	32.90	131.59
bi1000	2	RV 2"	5'-5 1/16"	A36	73.83	147.67
bj1000	2	RV 2"	2'-9"	A36	37.43	74.87
84						832.36
pa1000	12	PL 1/8"x2"x0'-2"	0'-2"	A36	0.14	1.70
12						1.70

SWISS DRAFTING,CA (323)-286-0872



ST-06

SCALE: N.T.S.



SWISS DRAFTING, CA (323) 286-0872

ISOMETRIC VIEW

GA DRAWING INDEX			
DRG.NO.	DESCRIPTION	DATE	REVISION
AB1	ANCHOR BOLT LAYOUT PLAN & DETAILS	12-MARCH-2023	2
E0	INDEX PAGE	12-MARCH-2023	2
E1	SECOND FLOOR FRAMING PLAN & SECTIONS	12-MARCH-2023	2
E2	BRACE DETAILS	12-MARCH-2023	2
E3	MOMENR FRAME SECTIONS	12-MARCH-2023	2

2	03/12/2024	REVISED PER UPDATED SKS DATED 02/21/24
1	02/20/2024	REVISED PER MARKUPS DATED 01/26/24
0	12/21/2023	ISSUED FOR FIELD USE
B	12/08/2023	REVISED & REISSUED FOR APPROVAL PER MARKUPS
A	11/06/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION

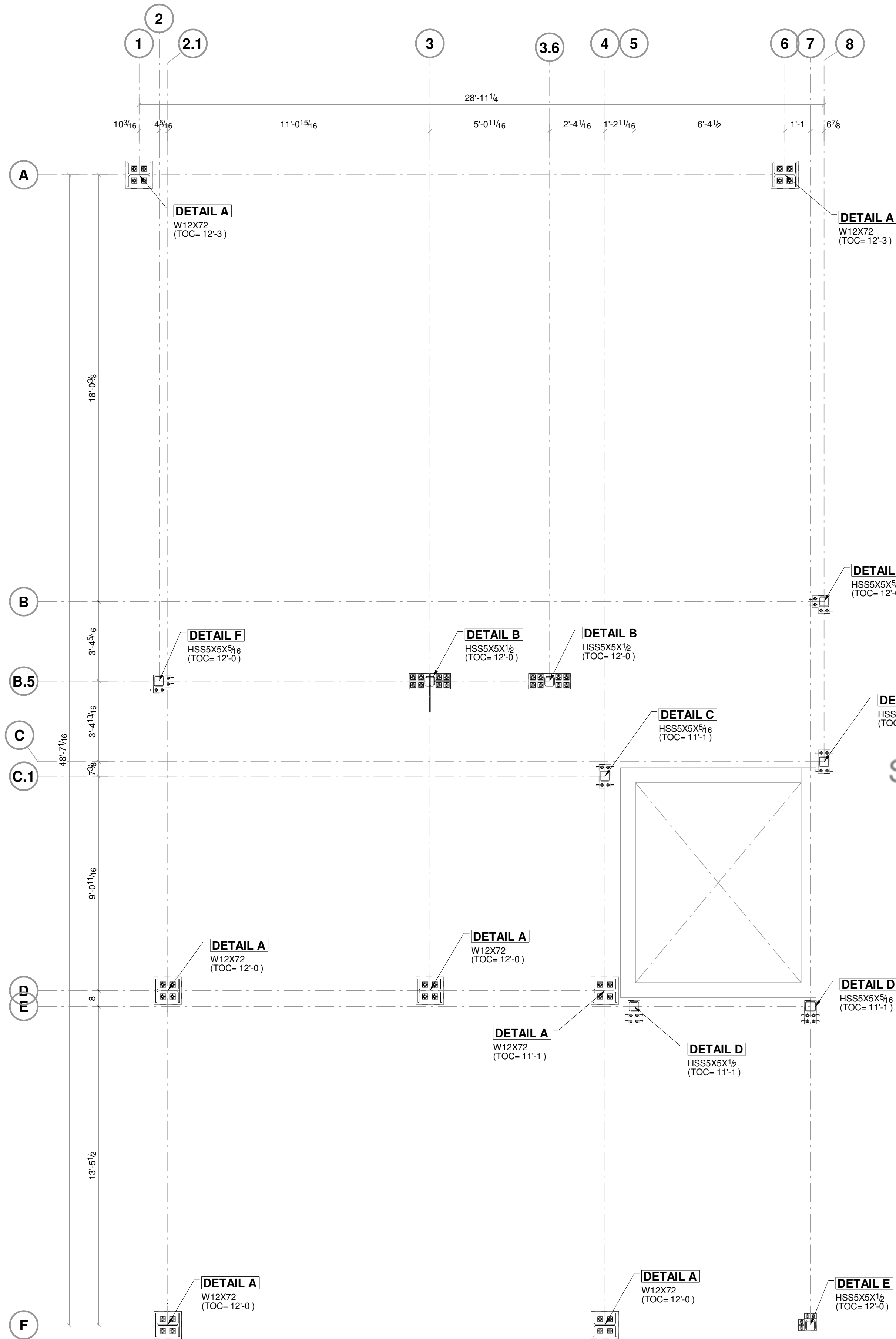
22 WHITE STREET RESIDENCES
22 WHITE STREET CAMBRIDGE,MA

DWG. TITLE:
INDEX PAGE

ENGINEER:
ARCHITECT: KHALSA DESIGN INC.

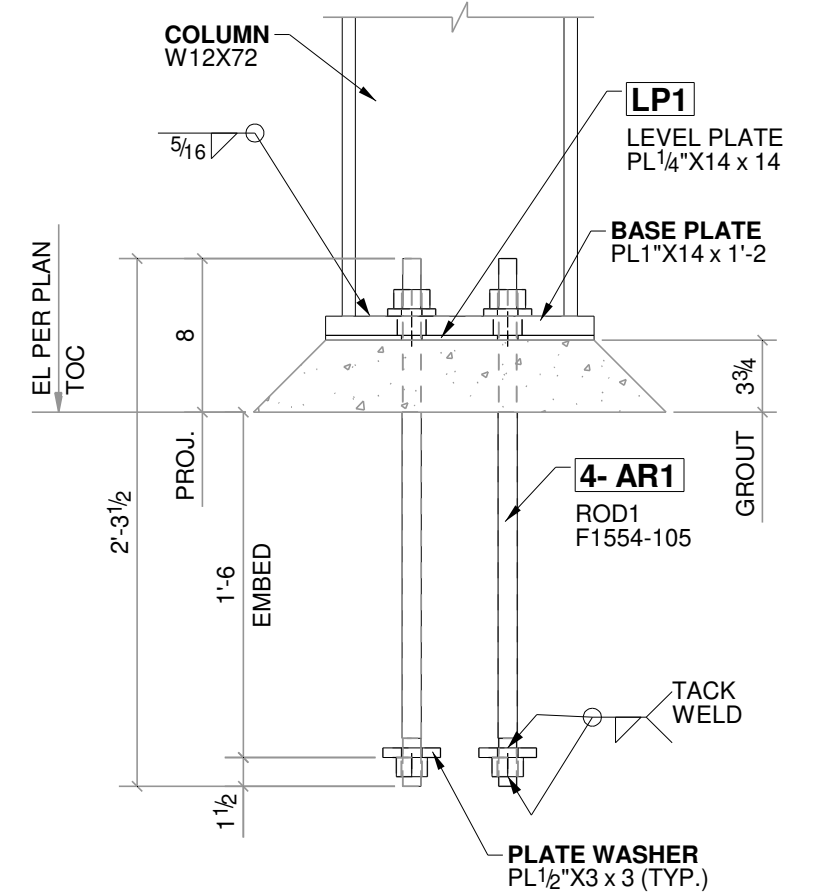
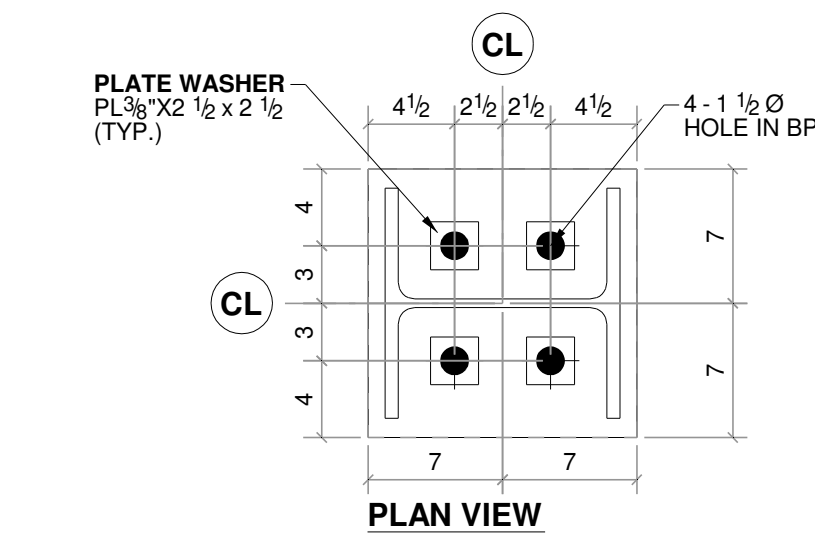
CONTRACTOR:				
DRAWN BY: RH	CHK'D BY: AS	JOB NUMBER	DWG. NO.	REVISION
DATE: 11/05/2023	DATE: 11/05/2023	---	E0	2

FINISH: AS PER SPEC.
BOLT: A325N
HOLE SIZE: 13/16 DIA. U/N
MATERIAL:
W SHAPES: A992-50
PIPS: A53, Gr. B
HSS SHAPES: A500, Gr. B
PLATES/CHANNELS: A36



1 ANCHOR BOLT LAYOUT PLAN
REF: S-101

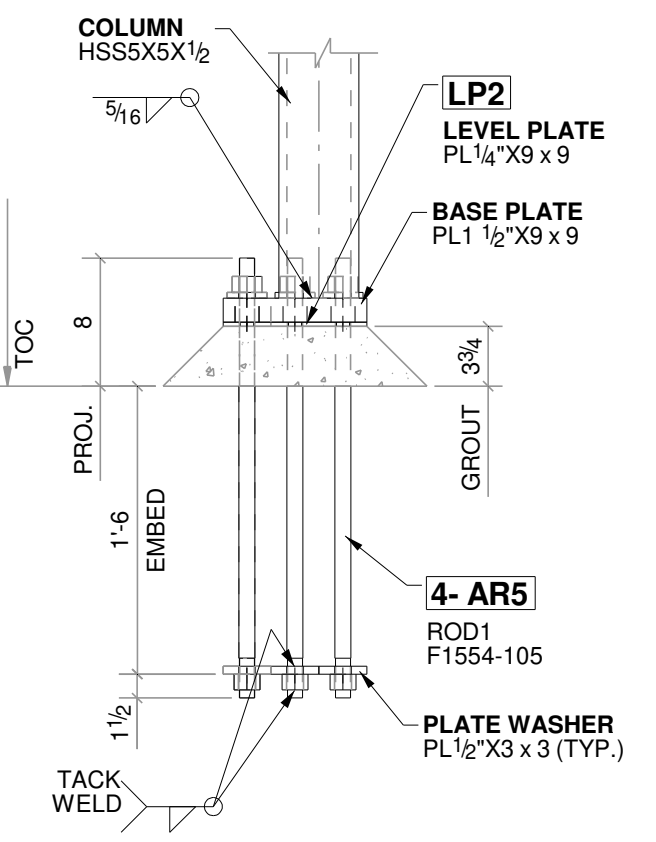
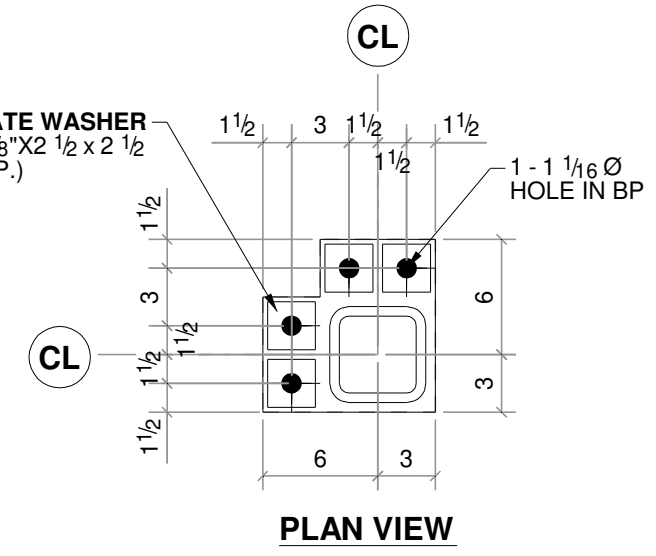
- GENERAL NOTES:
1. DATUM LEVEL = FINISH FLOOR = 12'-0" (EL 0'-0" PER STR'L / ARCH'L DWGS)
 2. ALL ELEVATIONS ARE GIVEN FROM DATUM EL.
 3. ALL TOP OF CONCRETE ELEV'S GIVEN AS TOC ON PLAN



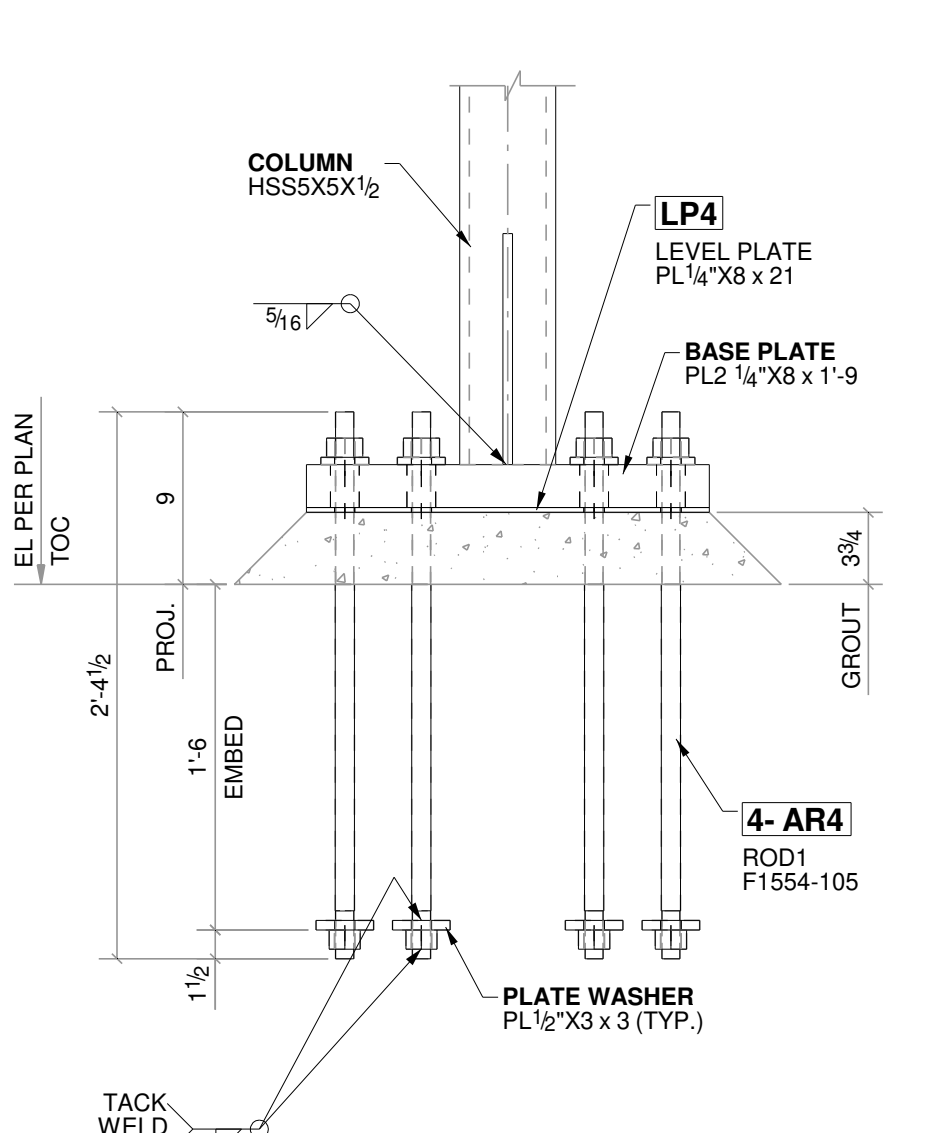
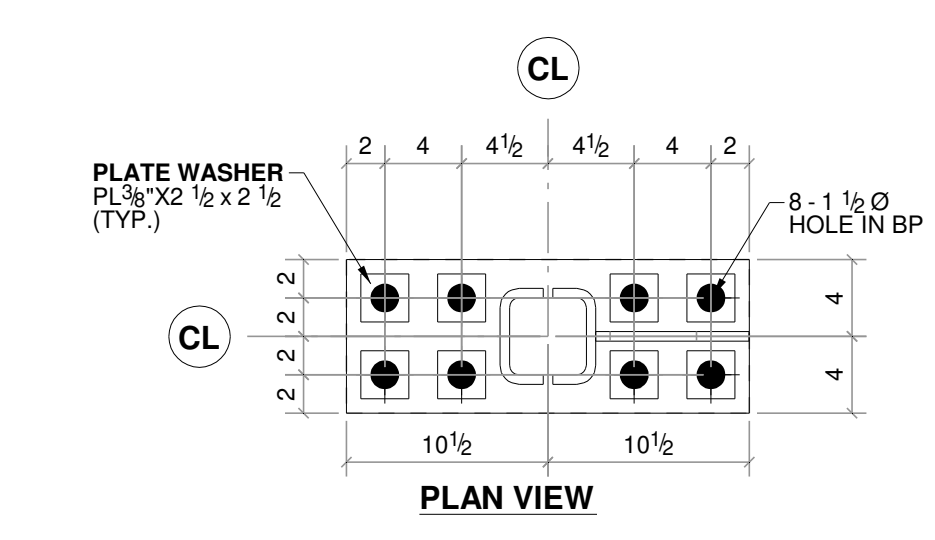
DETAIL A
(07-LOCATIONS)
REF: S-201

NOTE TO GC:
ALL DETAIL A GROUT REVISED TO 3 3/4" THK. GROUT. PLEASE VERIFY PRIOR TO FABRICATION

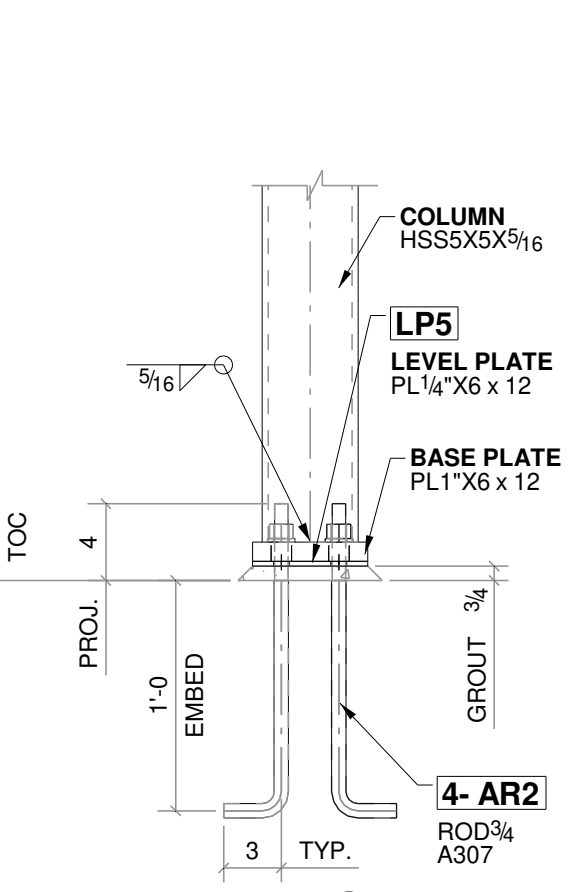
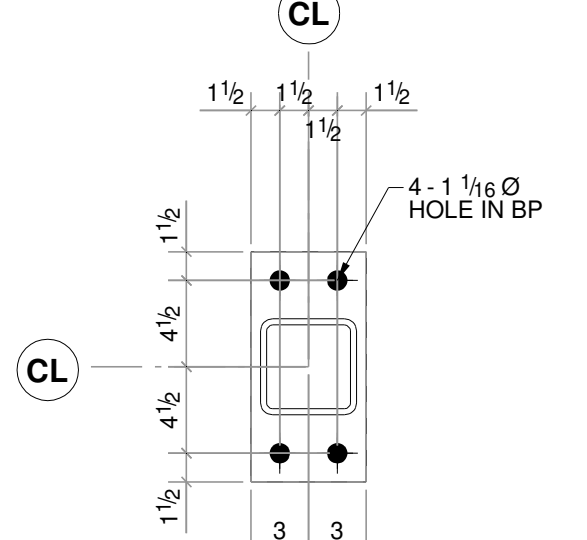
SWISS DRAFTING,CA (323)-286-0872



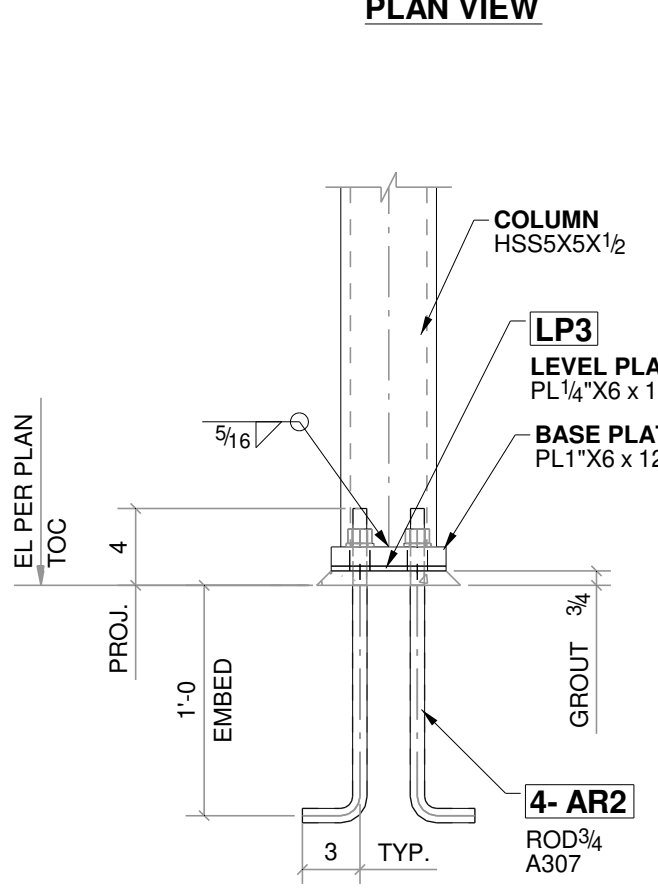
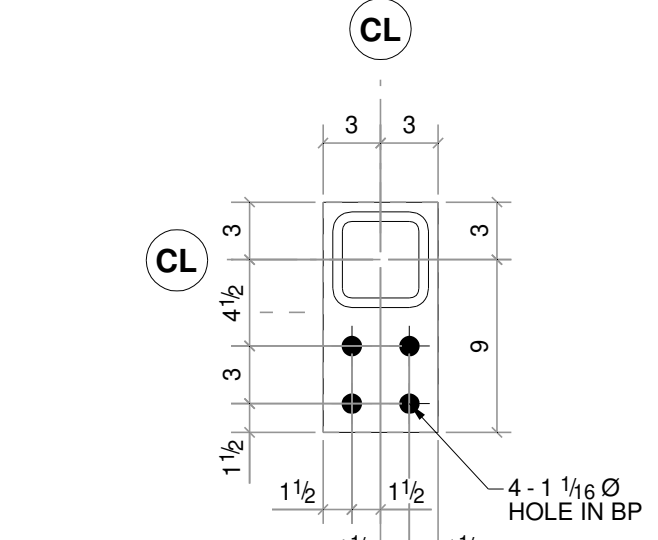
DETAIL E
(ONE-LOCATION)
REF: S-201



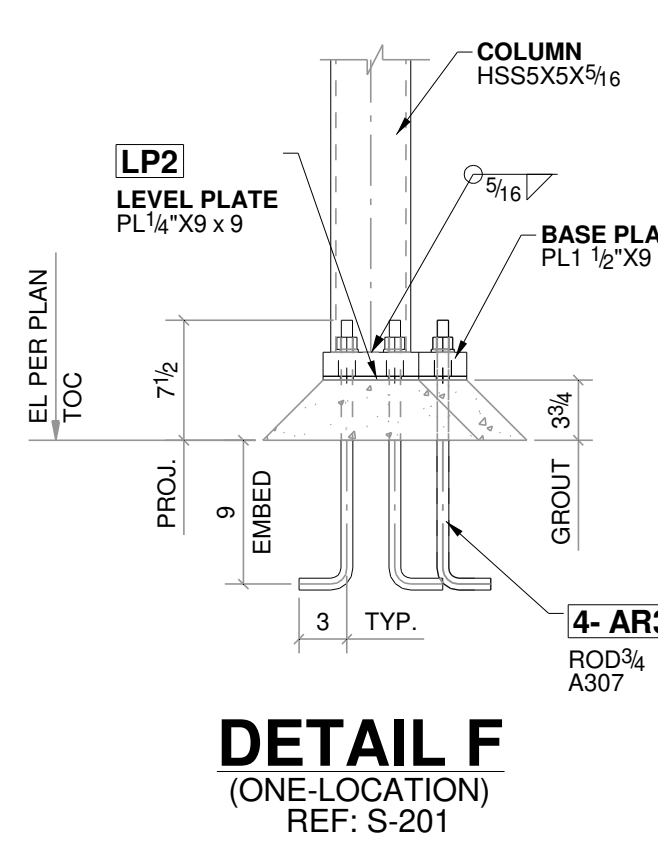
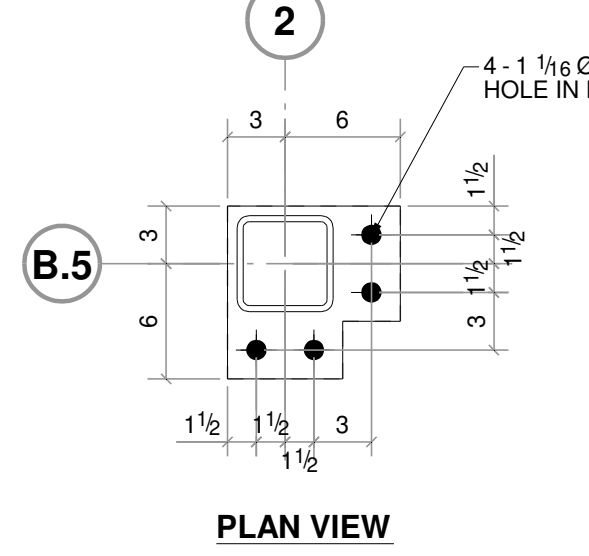
DETAIL B
(02-LOCATIONS)
REF: S-201



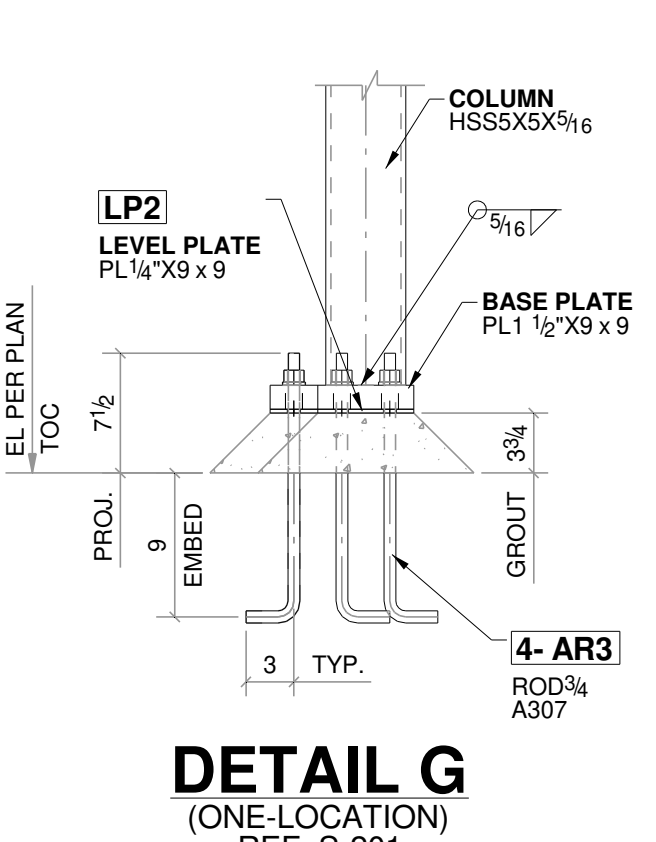
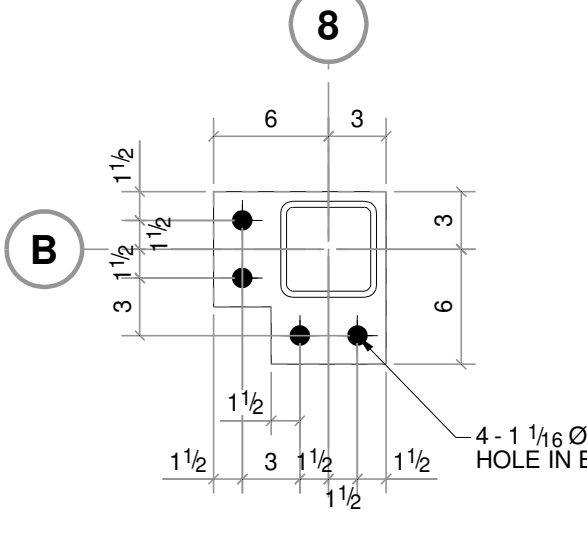
DETAIL C
(02-LOCATIONS)
REF: S-201



DETAIL D
(02-LOCATIONS)
REF: S-201



DETAIL F
(ONE-LOCATION)
REF: S-201



DETAIL G
(ONE-LOCATION)
REF: S-201

2	03/12/2024	REVISED PER UPDATED SKS DATED 02/21/24
1	02/20/2024	REVISED PER MARKUPS DATED 01/26/24
0	12/20/2023	ISSUED FOR FIELD USE
B	12/08/2023	REVISED & REISSUED FOR APPROVAL PER MARKUPS
A	11/06/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION
22 WHITE STREET RESIDENCES
22 WHITE STREET CAMBRIDGE,MA

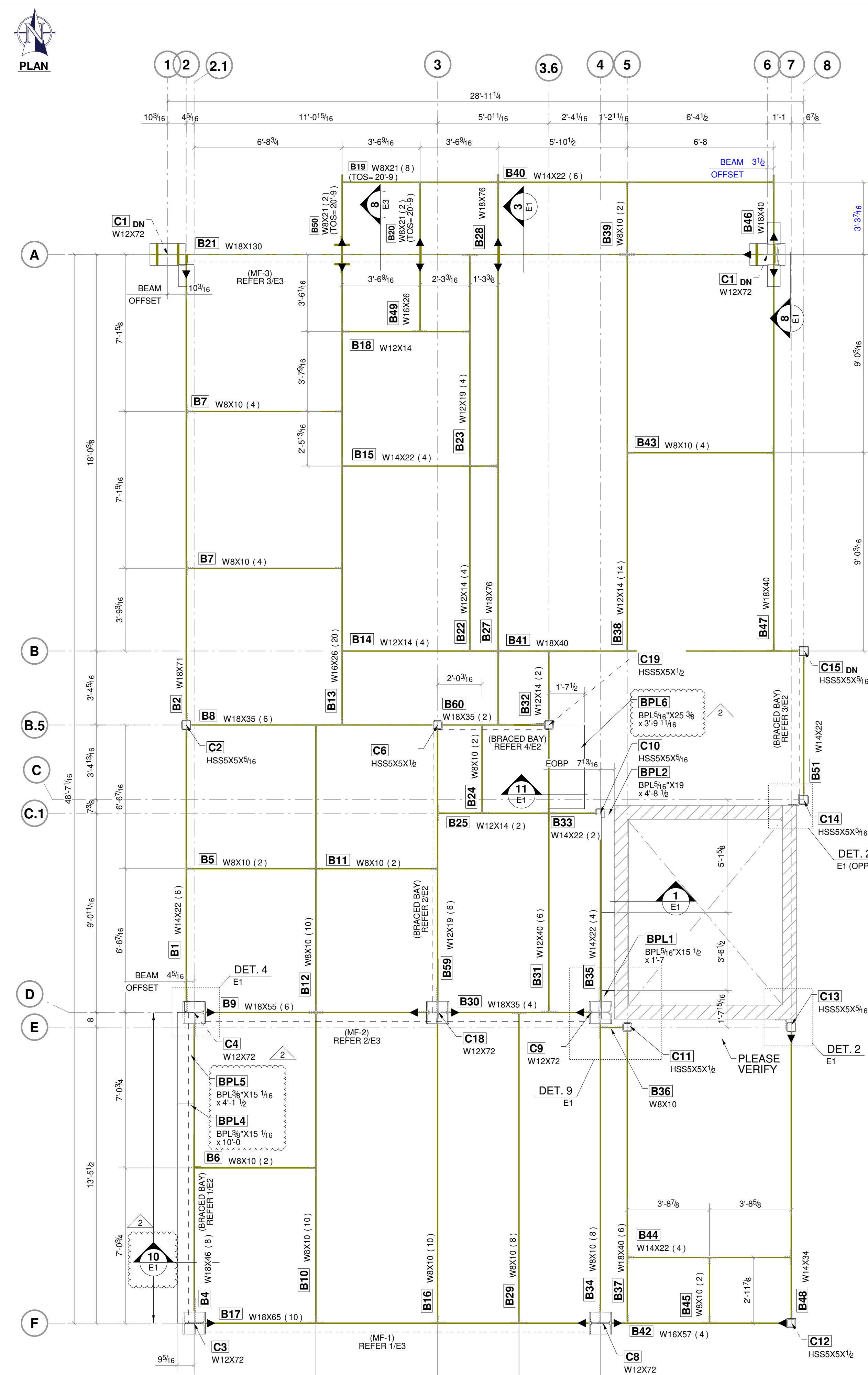
DWG. TITLE:
ANCHOR BOLT LAYOUT PLAN & DETAILS

ENGINEER:
ARCHITECT: **KHALSA DESIGN INC.**

CONTRACTOR:
DRAWN BY: **RH** CHK'D BY: **AS** JOB NUMBER DWG. NO. REVISION

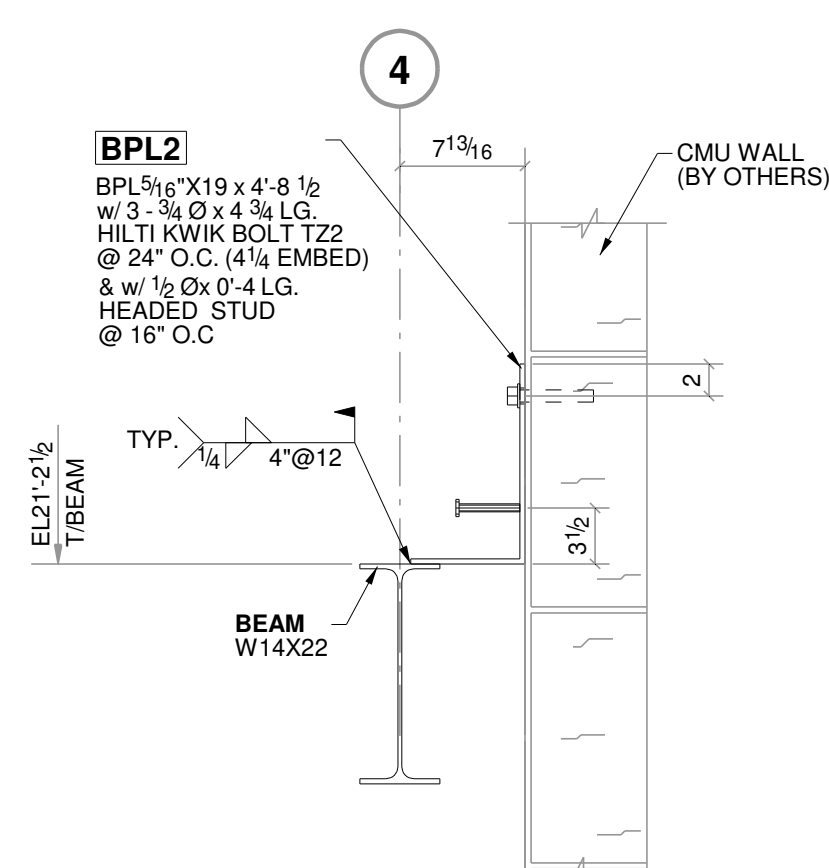
DATE: **10/29/2023** DATE: **11/03/2023** --- **AB1** **2**

FINISH: AS PER SPEC.
BOLT: A325N
HOLE SIZE: 13/16 DIA. U/N
MATERIAL:
W SHAPES: A992-50
PIPS: A53, Gr. B
HSS SHAPES: A500, Gr. B
PLATES/CHANNELS: A36

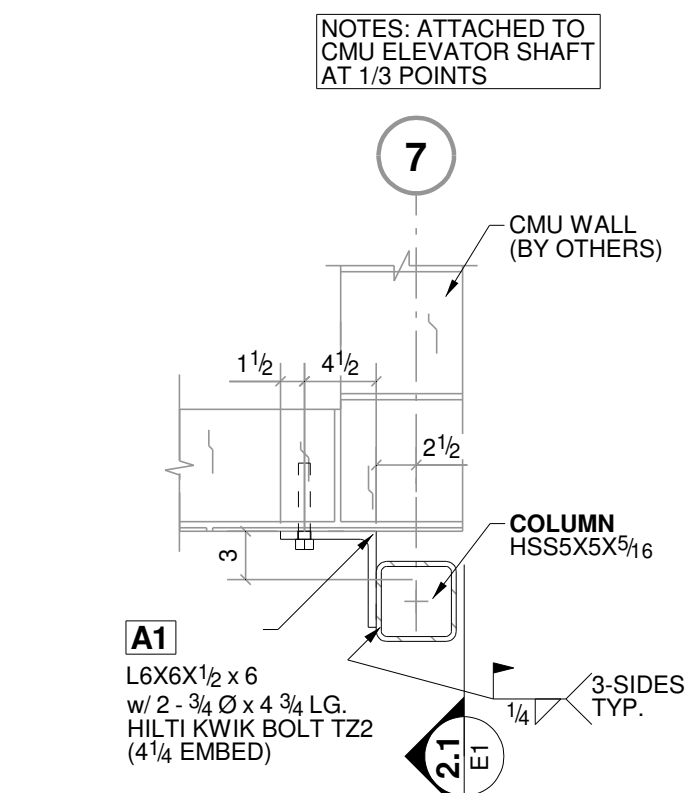


1 SECOND FLOOR FRAMING PLAN
REF: S-101

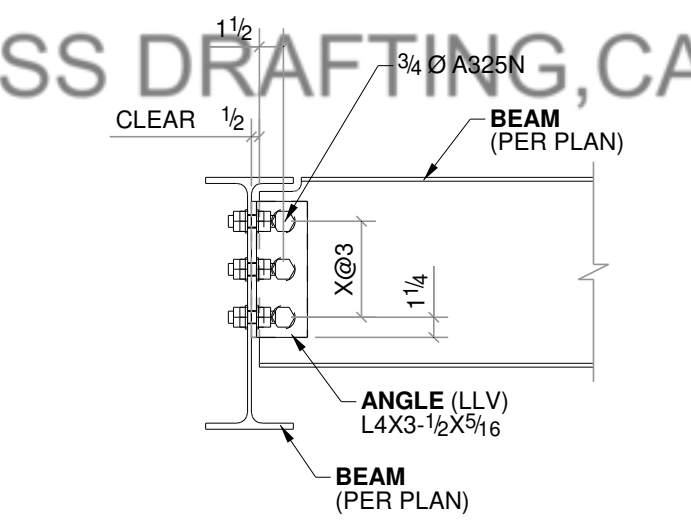
- GENERAL NOTES:
- 1. DATUM LEVEL = FINISH FLOOR = 12'-0"
 - 2. ALL ELEVATIONS ARE GIVEN FROM DATUM EL.
 - 3. TOP OF STEEL ELEVATION = 21'-2 1/2" (UNO)



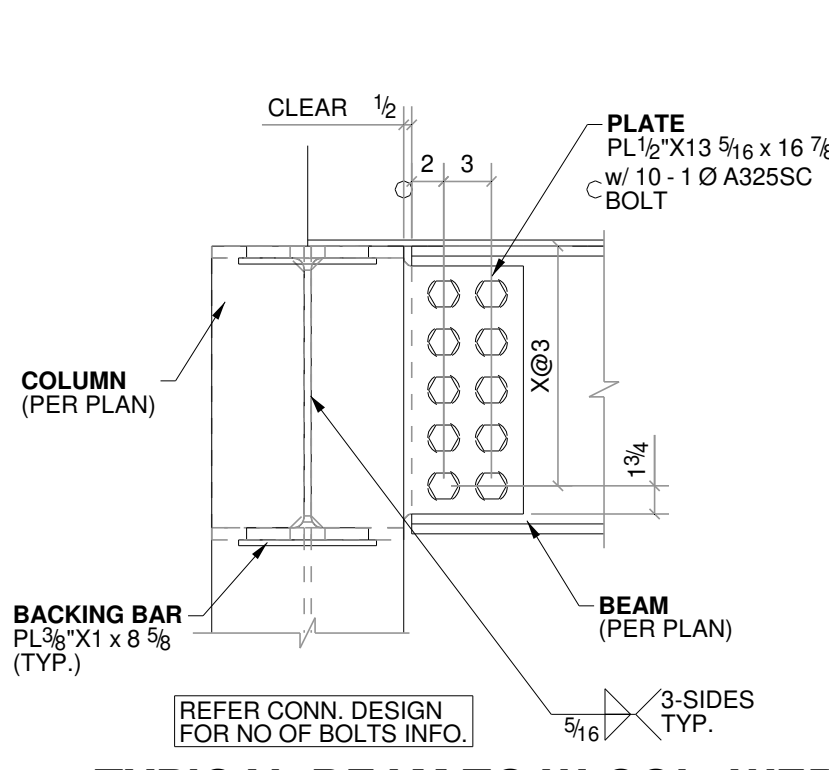
1 SECTION
REF.: 5/S-005



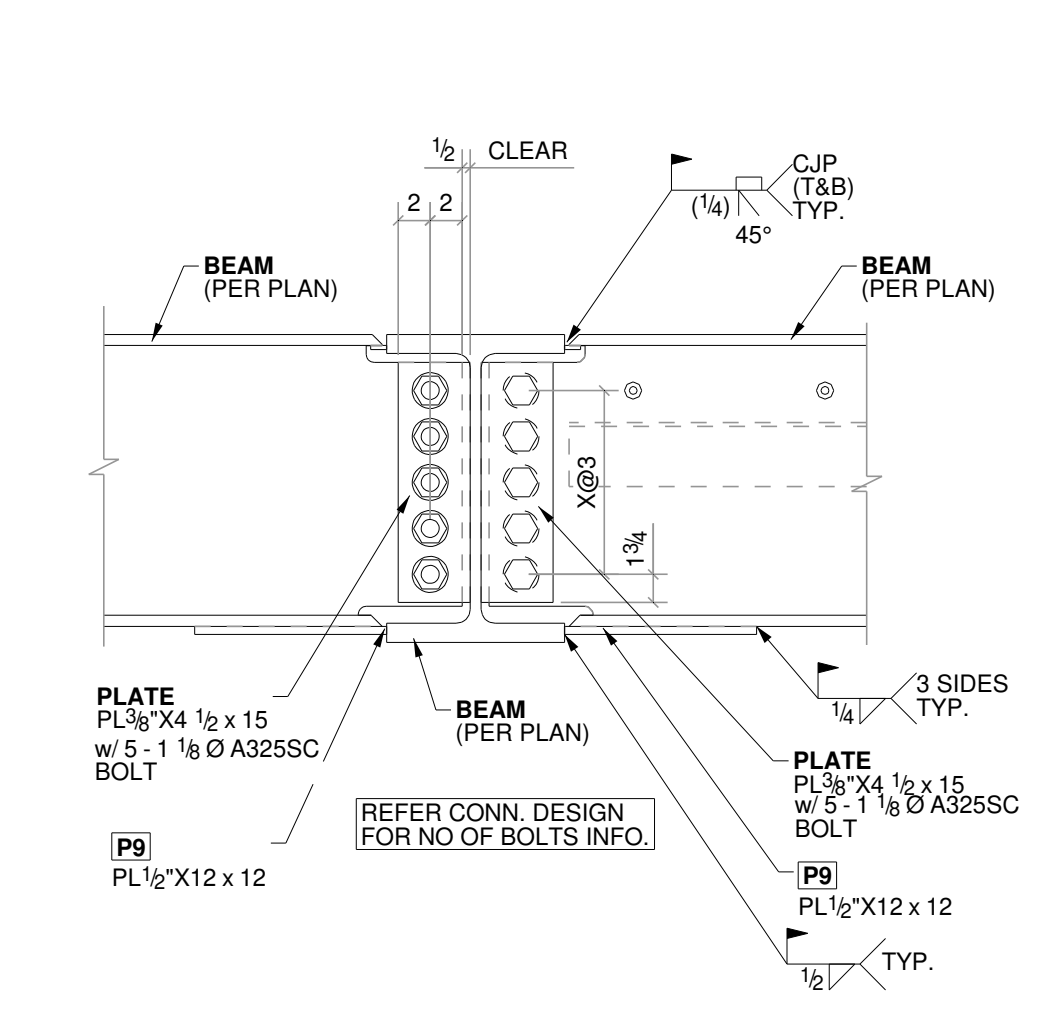
2 DETAIL



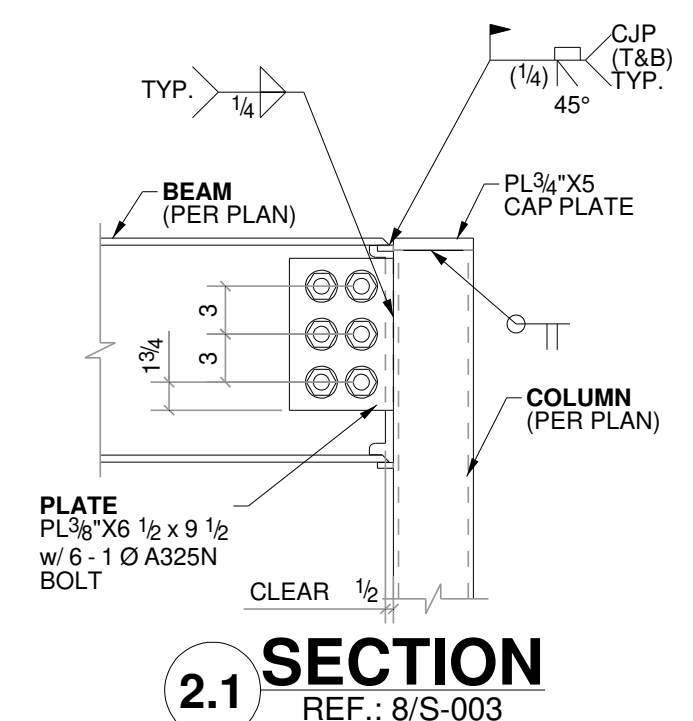
5 TYPICAL BEAM TO BEAM CONNECTION DETAILS



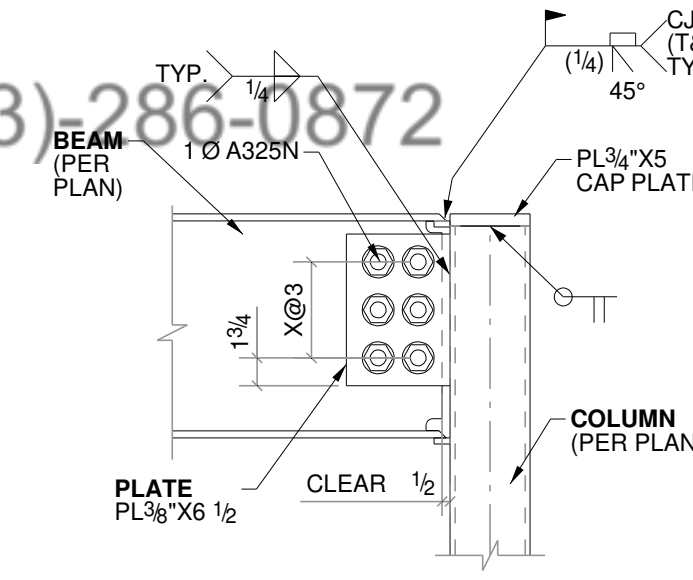
7 TYPICAL BEAM TO W-COL. WEB CONNECTION DETAILS



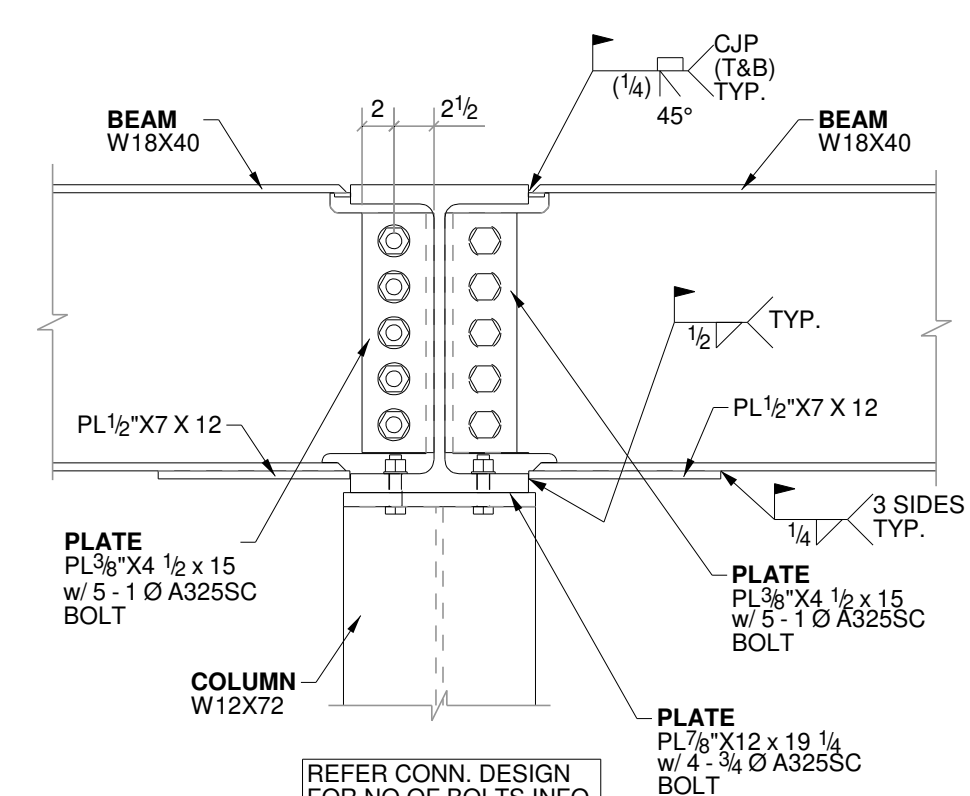
3 SECTION
REF.: 11/S-003



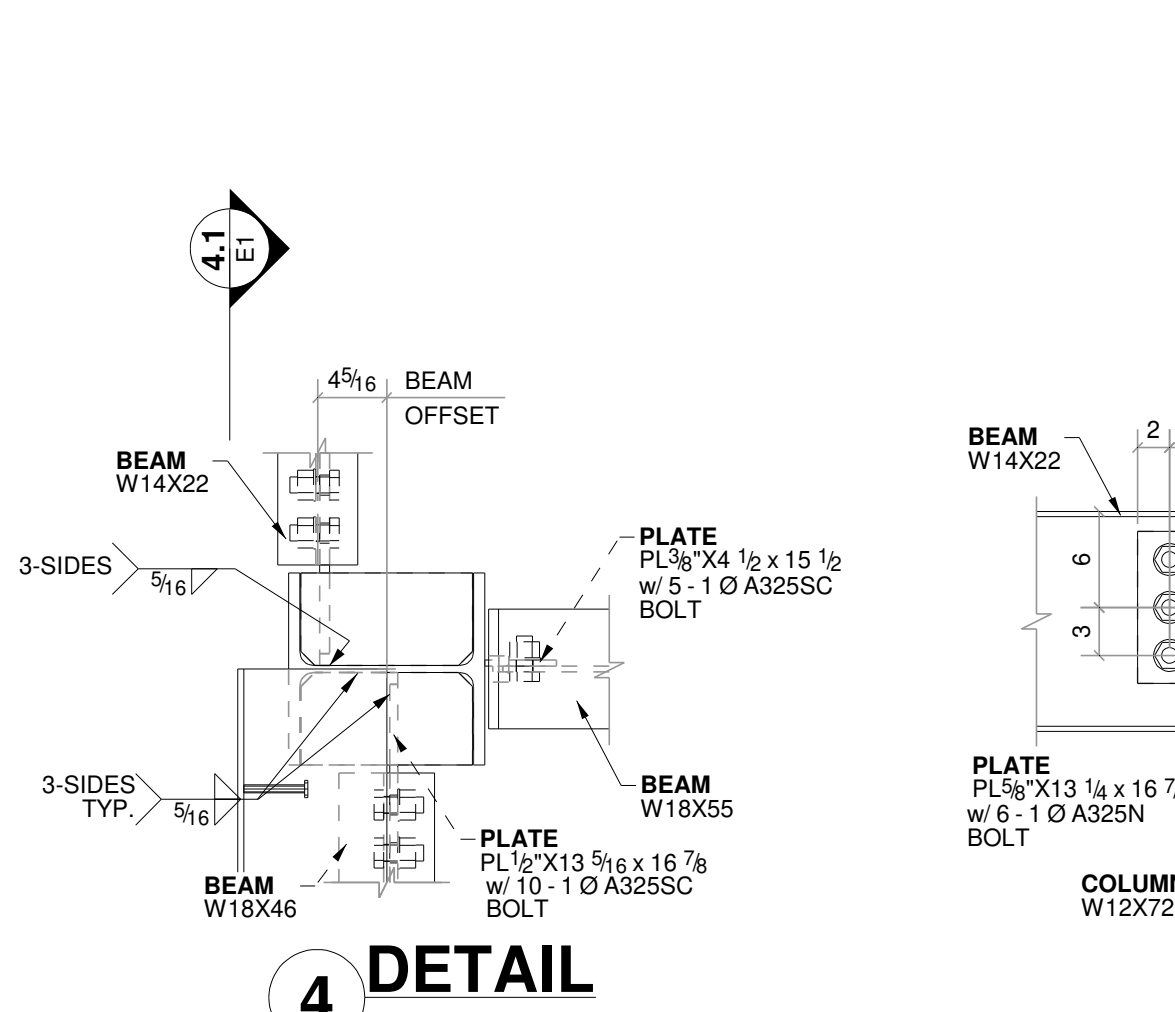
2.1 SECTION
REF.: 8/S-003



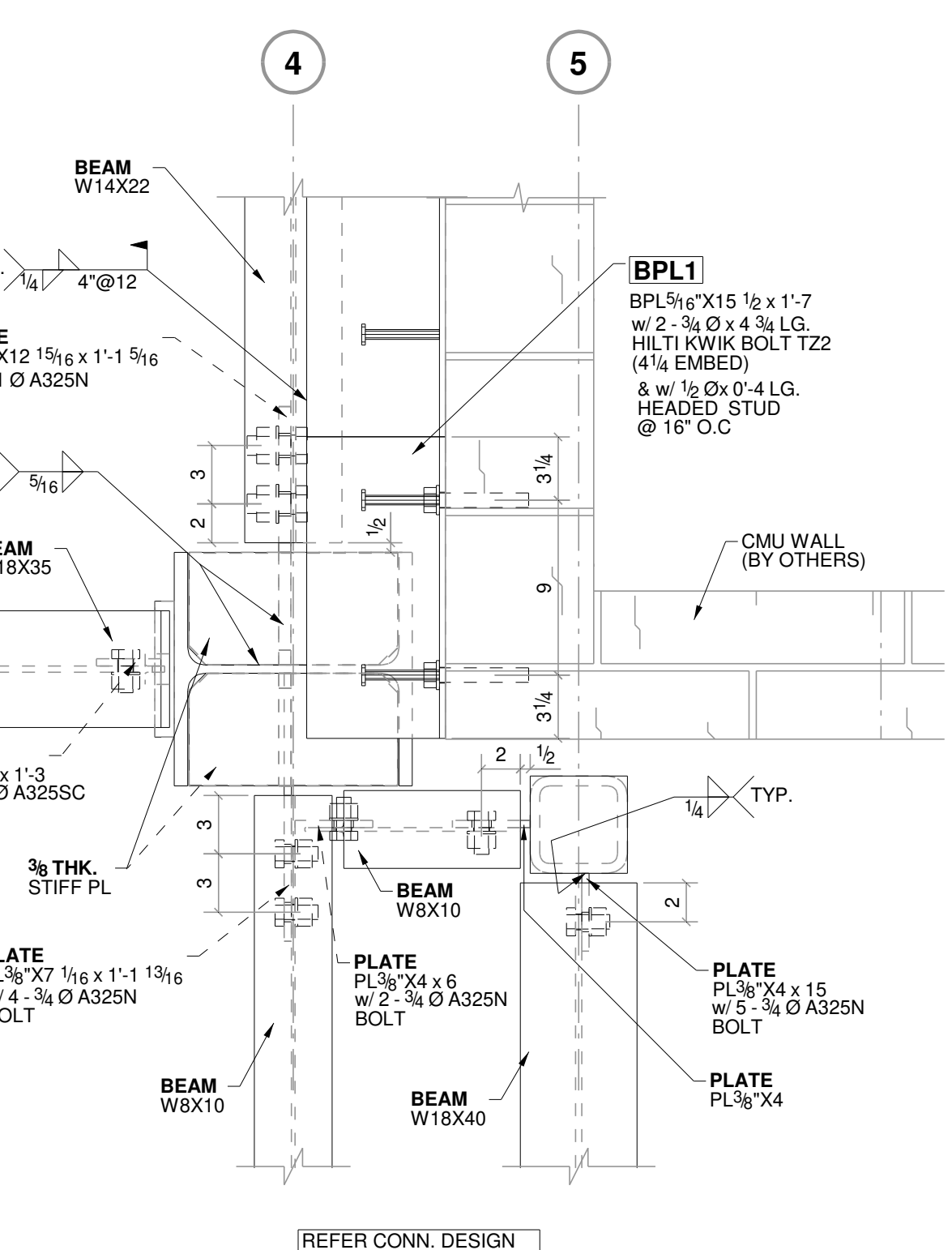
6 TYPICAL BEAM TO HSS COL. CONNECTION DETAILS



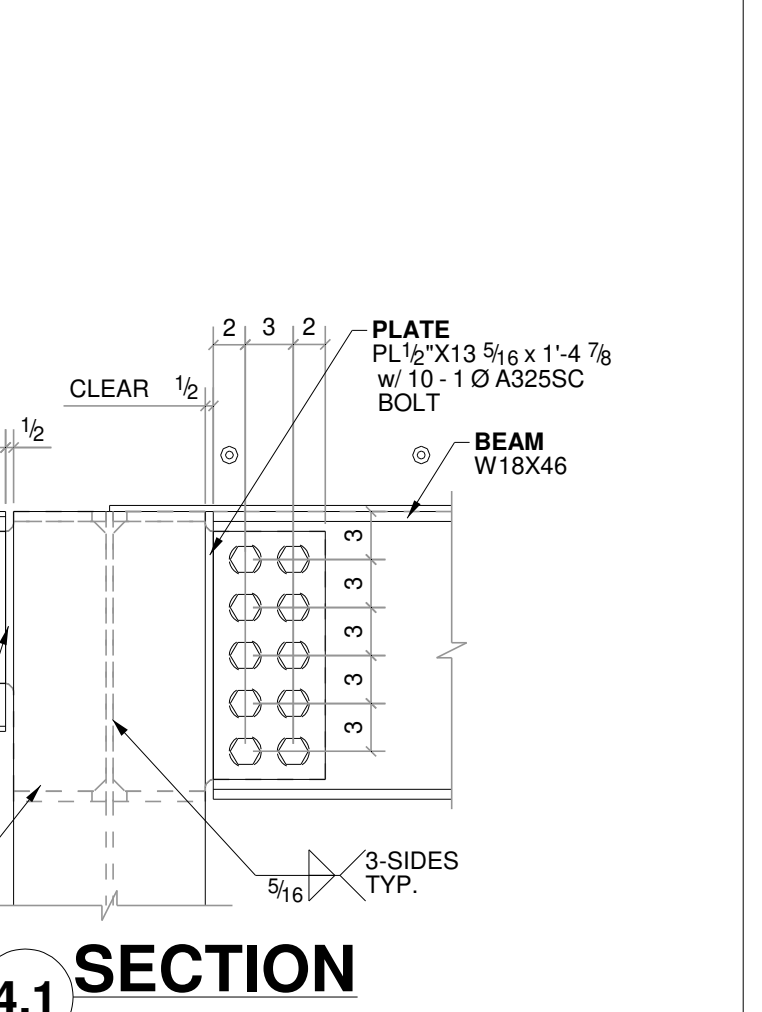
8 SECTION



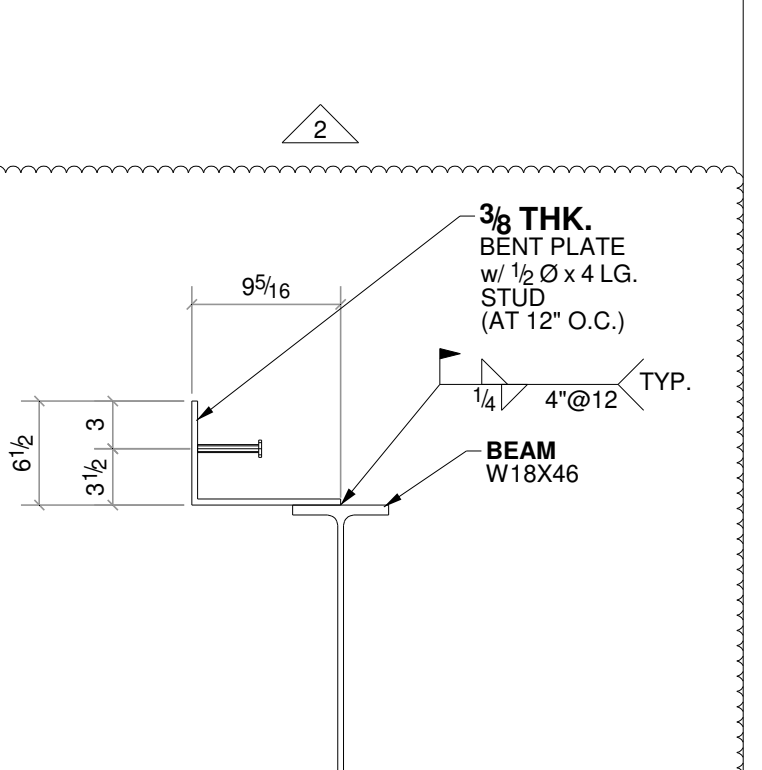
4 DETAIL



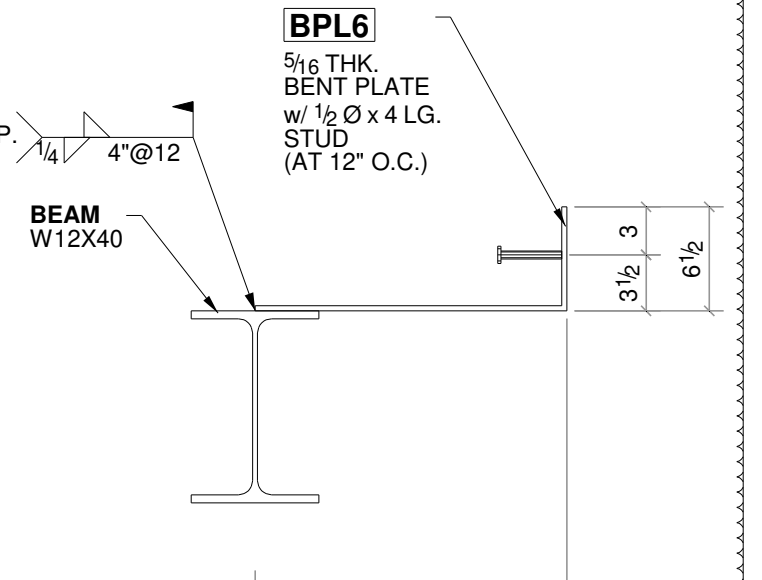
9 DETAIL



4.1 SECTION



10 SECTION
REF.: 11/S-302

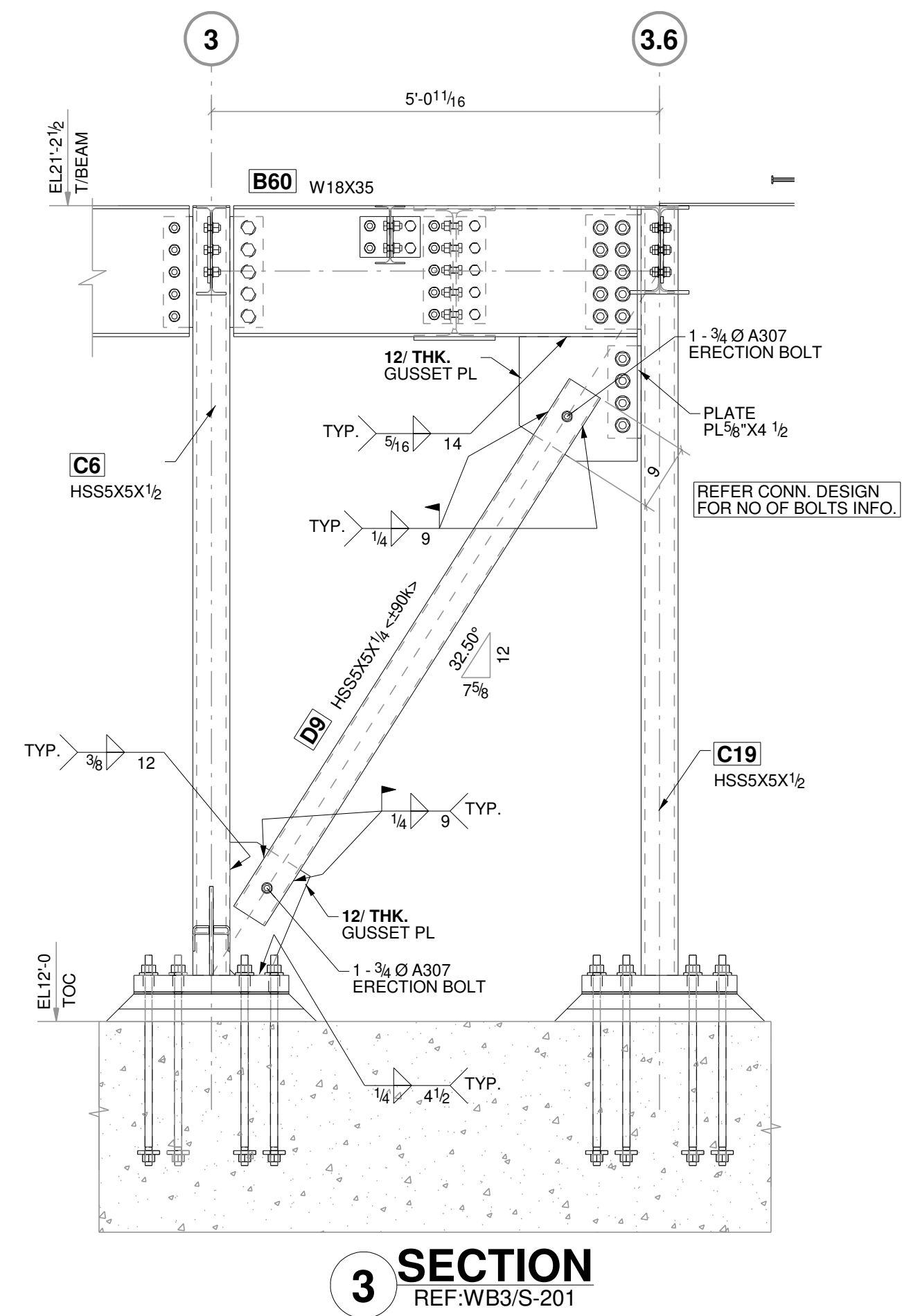
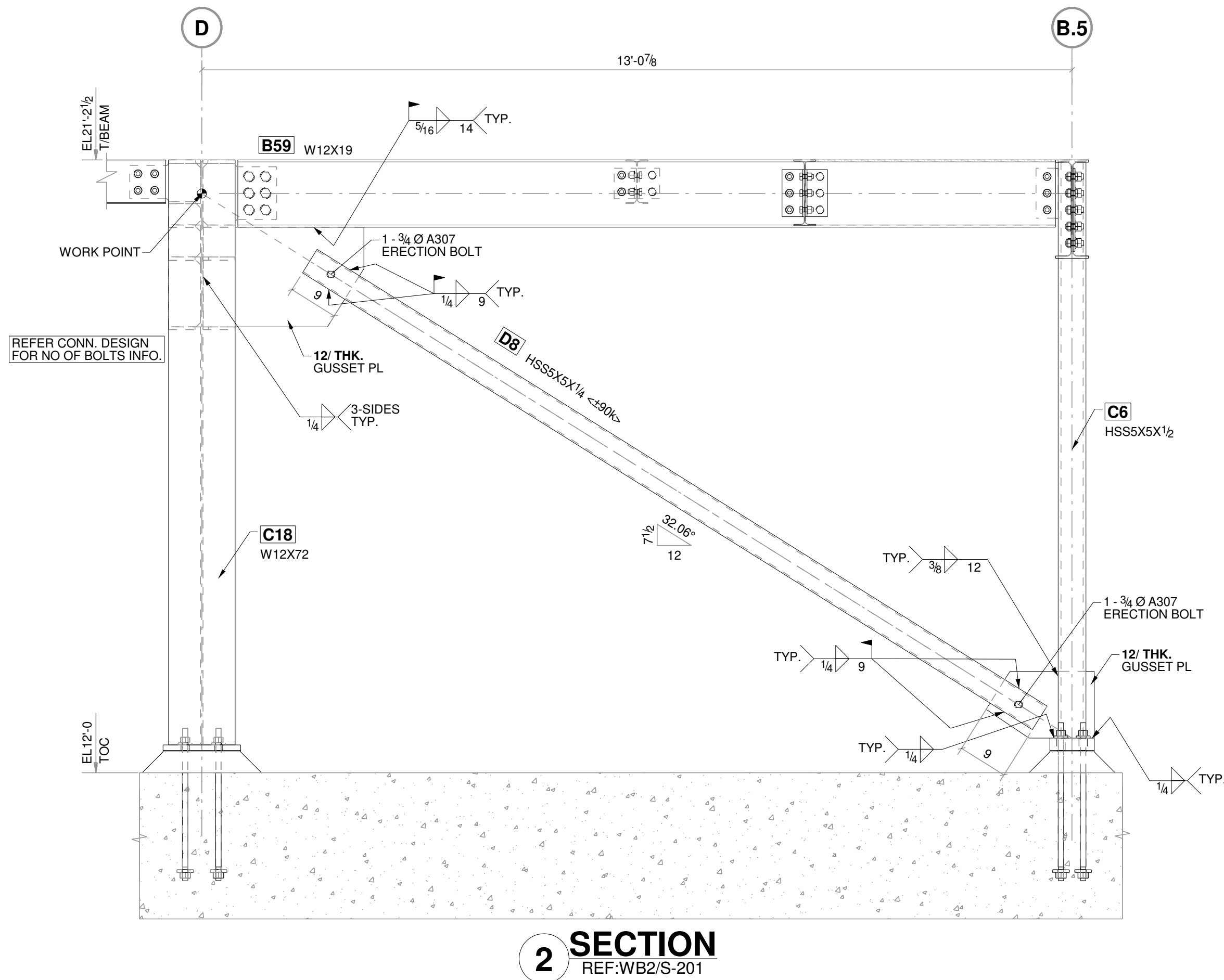
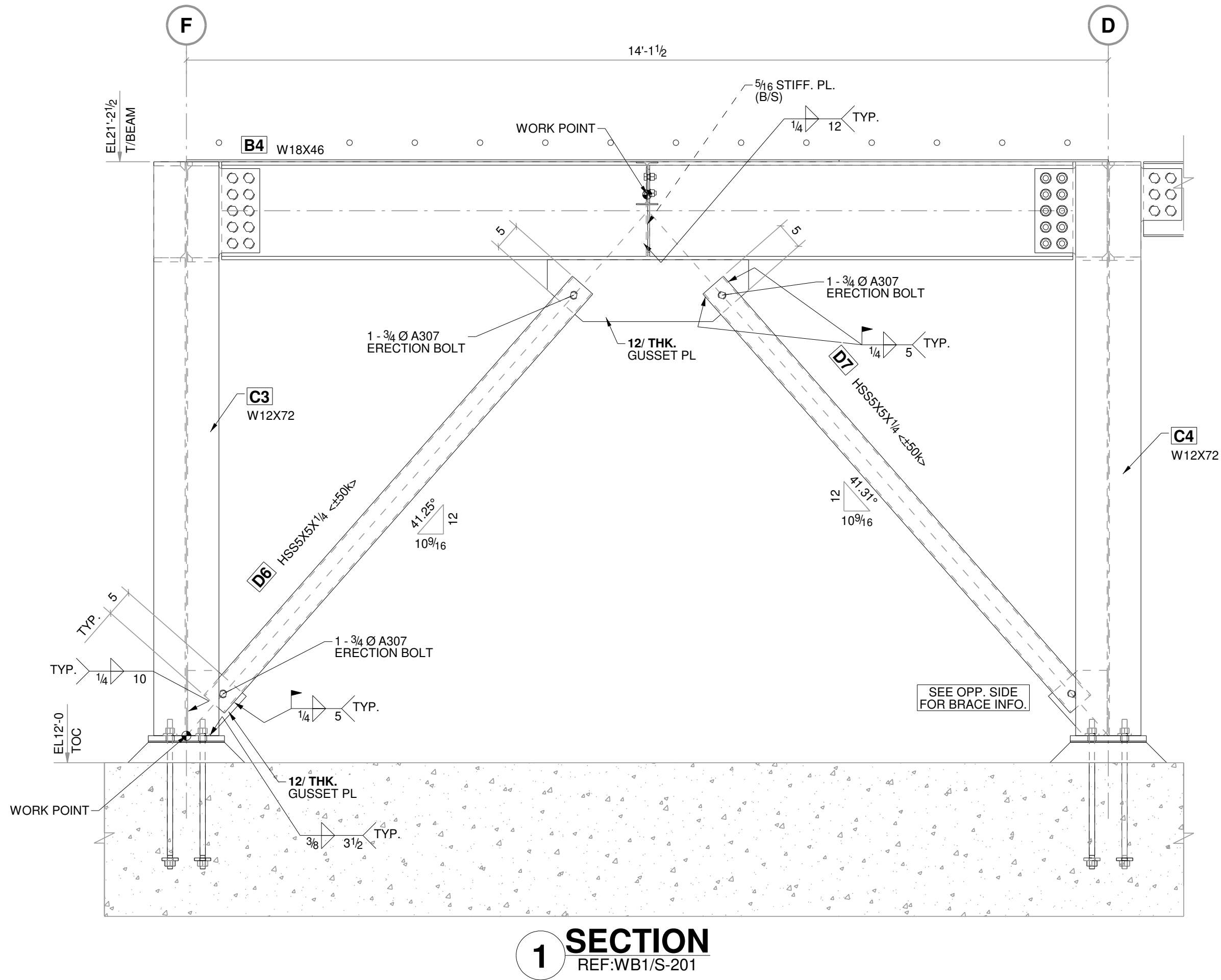


11 SECTION
REF.: 12/S-302

2	03/12/2024	REVISED PER UPDATED SKS DATED 02/21/24
1	02/20/2024	REVISED PER MARKUPS DATED 01/26/24
0	12/21/2023	ISSUED FOR FIELD USE
B	12/08/2023	REVISED & REISSUED FOR APPROVAL PER MARKUPS
A	11/06/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION		22 WHITE STREET RESIDENCES 22 WHITE STREET CAMBRIDGE, MA			
DWG. TITLE:		SECOND FLOOR FRAMING PLAN & SECTIONS			
ENGINEER:		KHALSA DESIGN INC.			
ARCHITECT:		KHALSA DESIGN INC.			
CONTRACTOR:		KHALSA DESIGN INC.			
DRAWN BY:	RH	CHK'D BY:	AS	JOB NUMBER	DWG. NO.
DATE:	10/29/2023	DATE:	11/03/2023	---	E1

FINISH:	AS PER SPEC.
BOLT:	A325N
HOLE SIZE:	13/16 DIA. UN
MATERIAL:	W SHAPES: A992-50 HSS SHAPES: A500, Gr. B PLATES/CHANNELS: A36

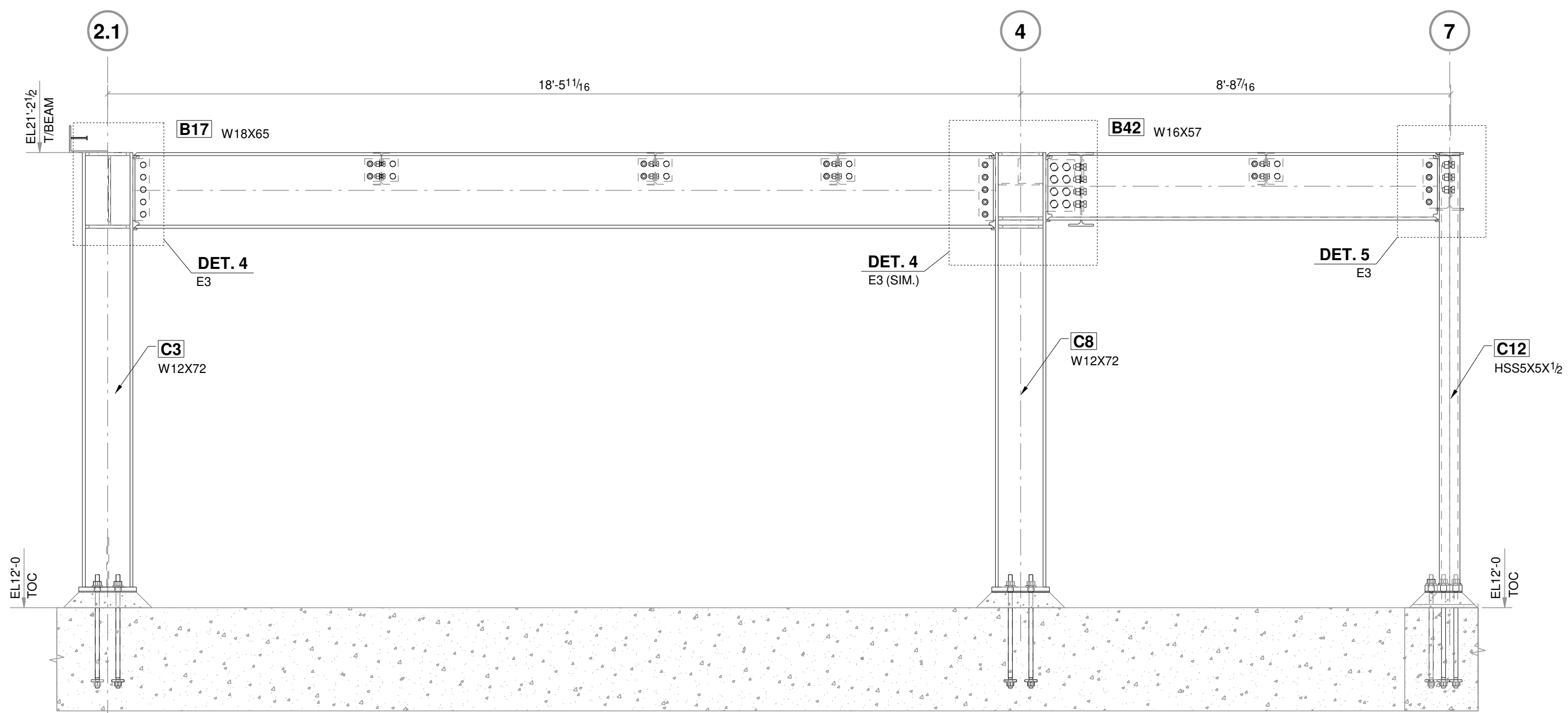


SWISS DRAFTING,CA (323)-286-0872

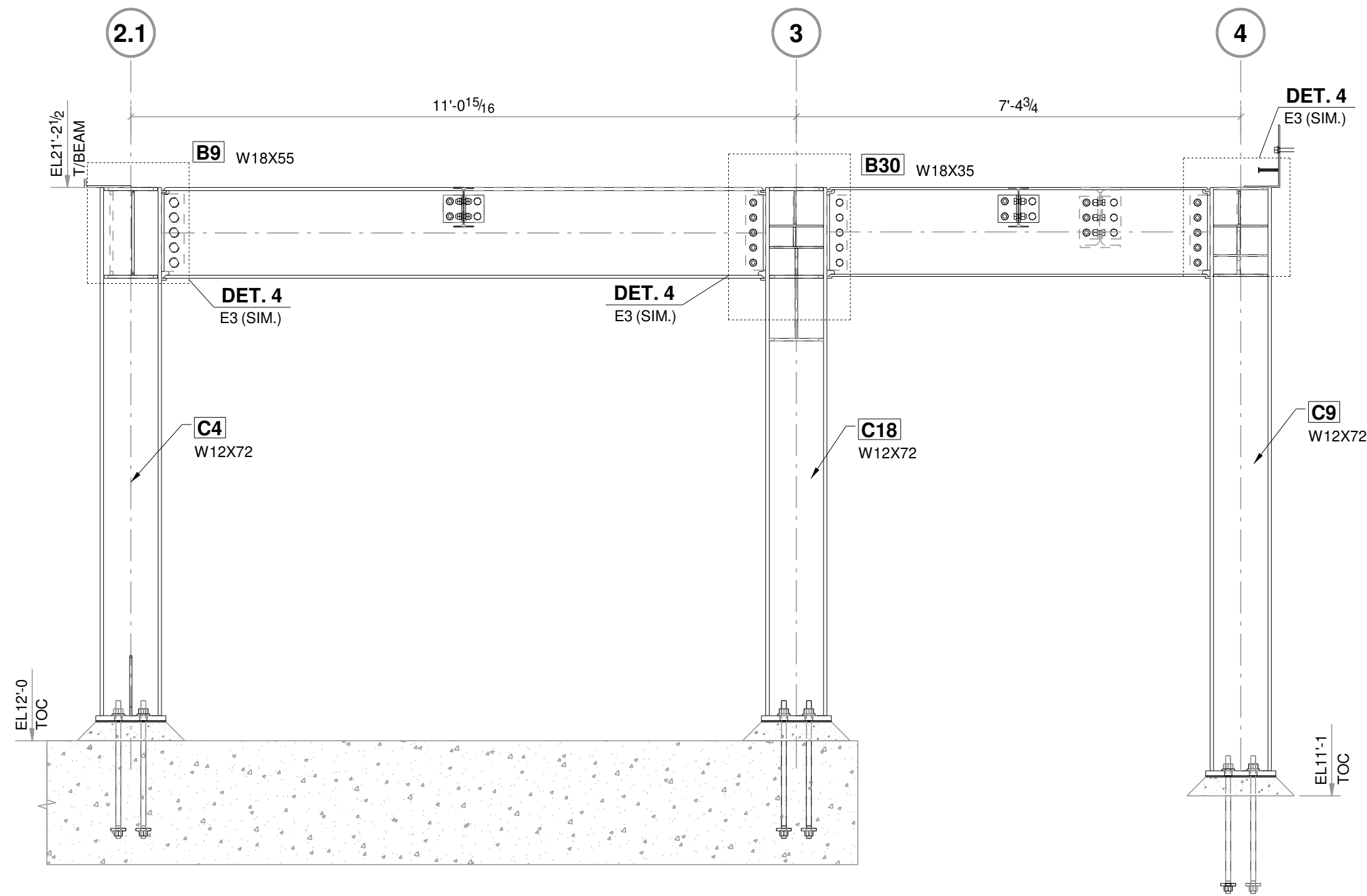
2	03/12/2024	REVISED PER UPDATED SKS DATED 02/21/24
1	02/20/2024	REVISED PER MARKUPS DATED 01/26/24
0	12/21/2023	ISSUED FOR FIELD USE
B	12/08/2023	REVISED & REISSUED FOR APPROVAL PER MARKUPS
A	11/06/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION	
22 WHITE STREET RESIDENCES	
22 WHITE STREET CAMBRIDGE,MA	
DWG. TITLE:	
BRACE DETAILS	

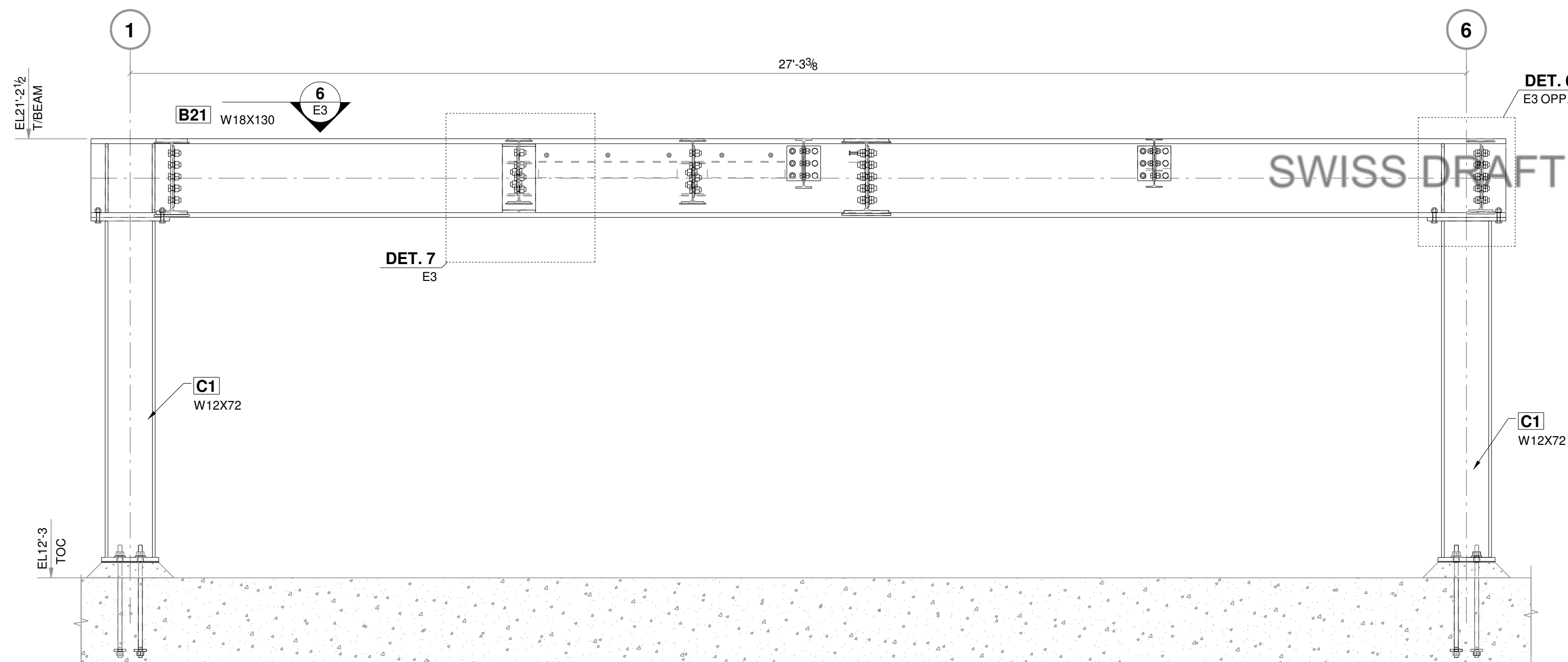
FINISH: AS PER SPEC.		ENGINEER:	
BOLT: A325N		ARCHITECT: KHALSA DESIGN INC.	
HOLE SIZE: 13/16 DIA. U/N		CONTRACTOR:	
MATERIAL:		DRAWN BY: RH	CHK'D BY: AS
W SHAPES: A992-50		DATE: 10/29/2023	DATE: 11/03/2023
PIPS: A53, Gr. B		JOB NUMBER	DWG. NO.
HSS SHAPES: A500, Gr. B		---	E2
PLATES/CHANNELS: A36		REVISION	2



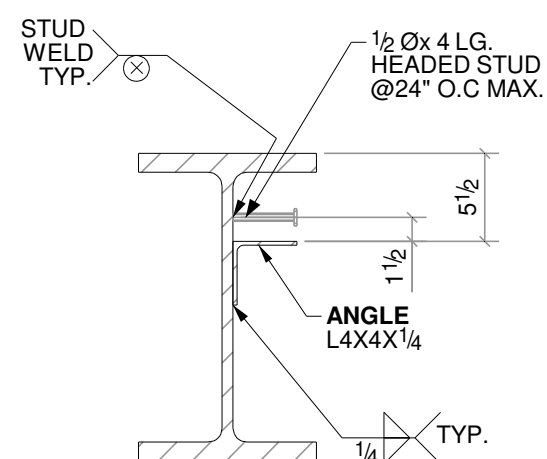
1 SECTION
REF: MF1/S201



2 SECTION
REF: MF2/S201

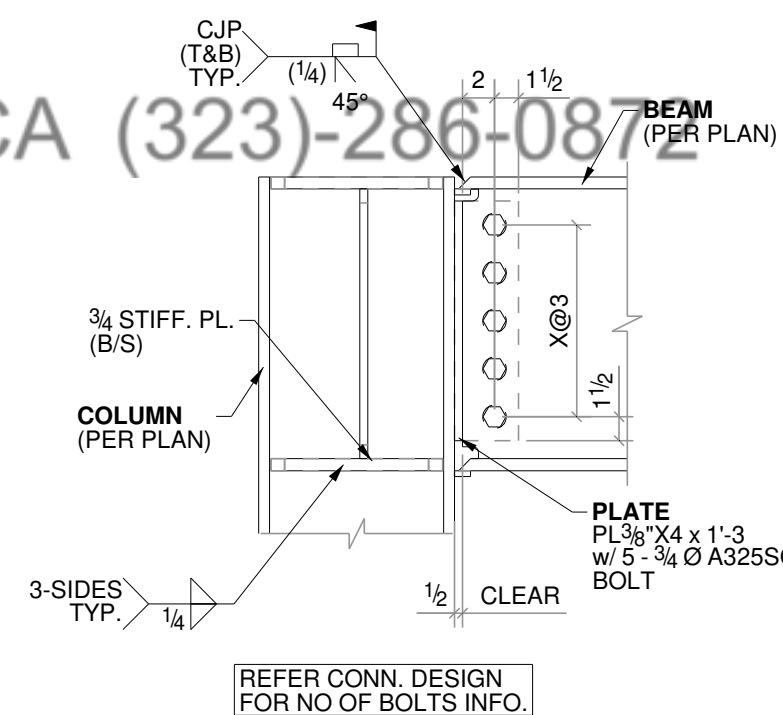


3 SECTION
REF: MF3/S201

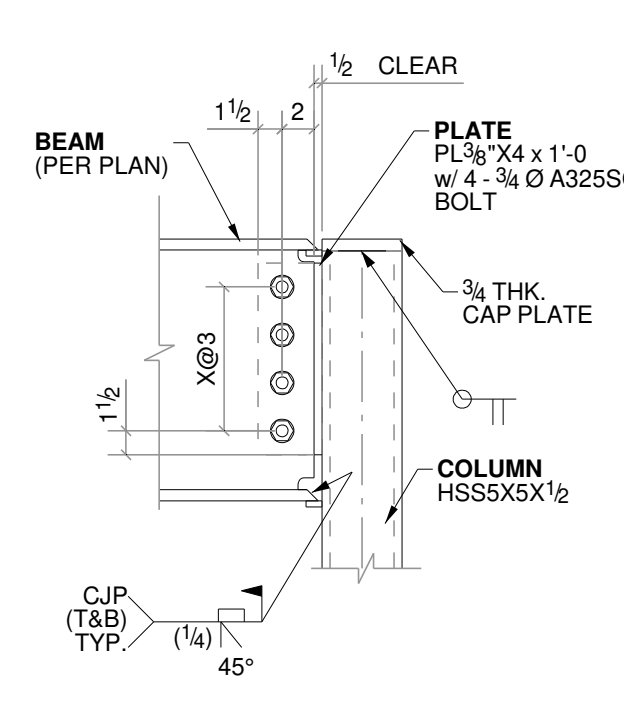


8 SECTION
REF.: 11/S-003

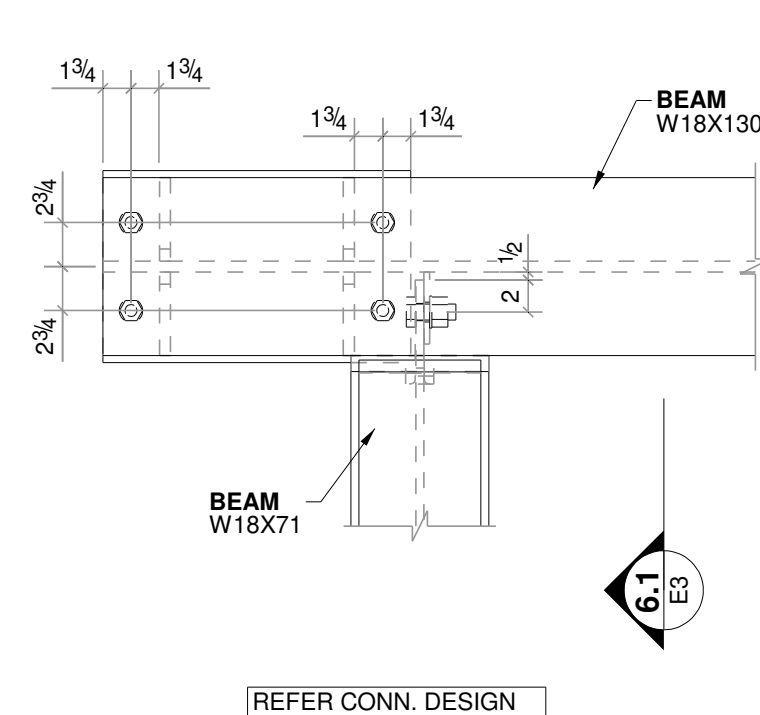
SWISS DRAFTING, CA (323)-286-0872



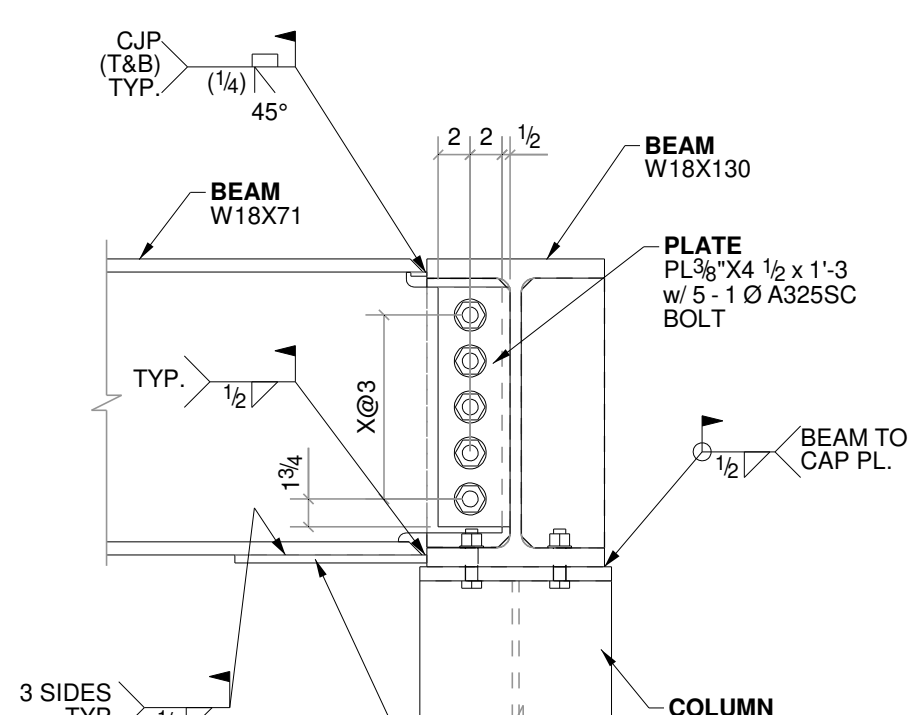
4 DETAIL
REFER CONN. DESIGN FOR NO. OF BOLTS INFO.



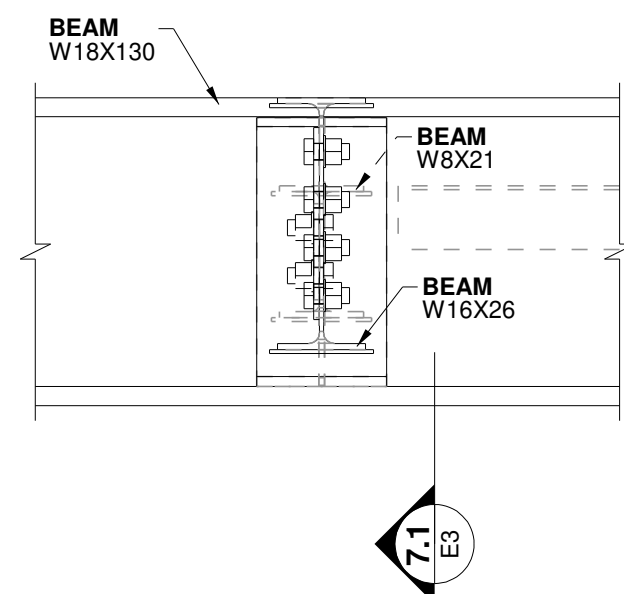
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REFER CONN. DESIGN FOR NO. OF BOLTS INFO.



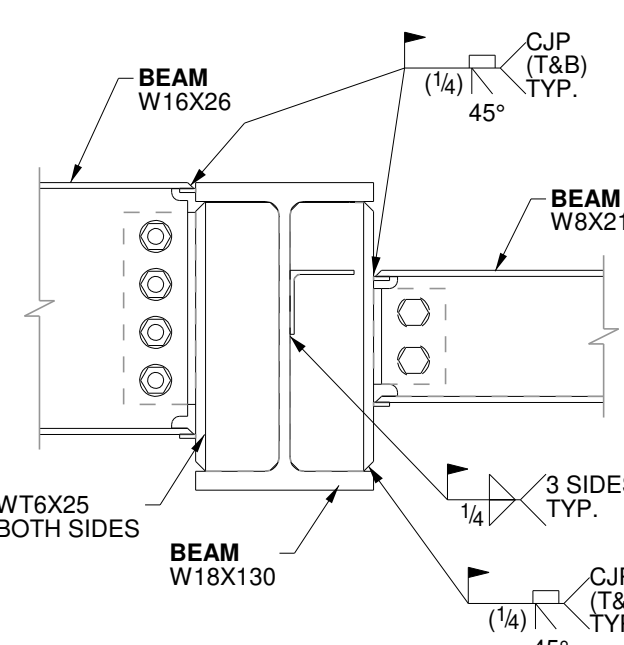
6 SECTION
REFER CONN. DESIGN FOR NO. OF BOLTS INFO.



6.1 SECTION
REFER CONN. DESIGN FOR NO. OF BOLTS INFO.



7 DETAIL
REFER CONN. DESIGN FOR NO. OF BOLTS INFO.



7.1 SECTION
REFER CONN. DESIGN FOR NO. OF BOLTS INFO.

2	03/12/2024	REVISED PER UPDATED SKS DATED 02/21/24
1	02/20/2024	REVISED PER MARKUPS DATED 01/26/24
0	12/21/2023	ISSUED FOR FIELD USE
B	12/08/2023	REVISED & REISSUED FOR APPROVAL PER MARKUPS
A	11/06/2023	ISSUED FOR APPROVAL

PROJECT NAME & LOCATION
22 WHITE STREET RESIDENCES
22 WHITE STREET CAMBRIDGE, MA

DWG. TITLE:
MOMENT FRAME SECTIONS

ENGINEER:
ARCHITECT: KHALSA DESIGN INC.

CONTRACTOR:
DRAWN BY: RH
DATE: 10/29/2023

CHK'D BY: AS
DATE: 11/03/2023

JOB NUMBER
DWG. NO. E3
REVISION
2

FINISH: AS PER SPEC.
BOLT: A325N
HOLE SIZE: 13/16 DIA. UN
MATERIAL:
W SHAPES: A992-50
PIPS: A53, Gr. B
HSS SHAPES: A500, Gr. B
PLATES/CHANNELS: A36

GA DRAWINGS INDEX			
DWG. NO.	DESCRIPTION	ISSUE DATE	REVISION
AB1	ANCHOR BOLT LAYOUT PLAN	01-MAY-2023	B
E0	ISOMETRIC VIEW	01-MAY-2023	B
E1	SECOND FLOOR FRAMING PLAN	01-MAY-2023	B

ISOMETRIC VIEW

B	05/01/2023	REVISED PER MARKUPS		
A	04/03/2023	ISSUED FOR APPROVAL		

PROJECT NAME & LOCATION

NEW MULTIFAMILY BUILDING FOR 95-97 ADDIS

EAST BOSTON,MA 02128

DWG. TITLE:

COVER PAGE

FINISH:

AS PER SPEC.

BOLT:

A325N

HOLE SIZE:

13/16 DIA. U/N

MATERIAL:

W SHAPES: A992

PIPPES: A53, Gr. B

HSS SHAPES: A500, Gr. B

PLATES/CHANNELS: A36

ENGINEER:	GREGORIAN ENGINEERS			
ARCHITECT:	SANGIOLO ASSOCIATES ARCHITECTS			
CONTRACTOR:				
DRAWN BY:	RH	CHK'D BY:	AS	JOB NUMBER
DATE:	03/27/2023	DATE:	03/31/2023	---
DWG. NO.		E0		
REVISION		B		

SWISS DRAFTING

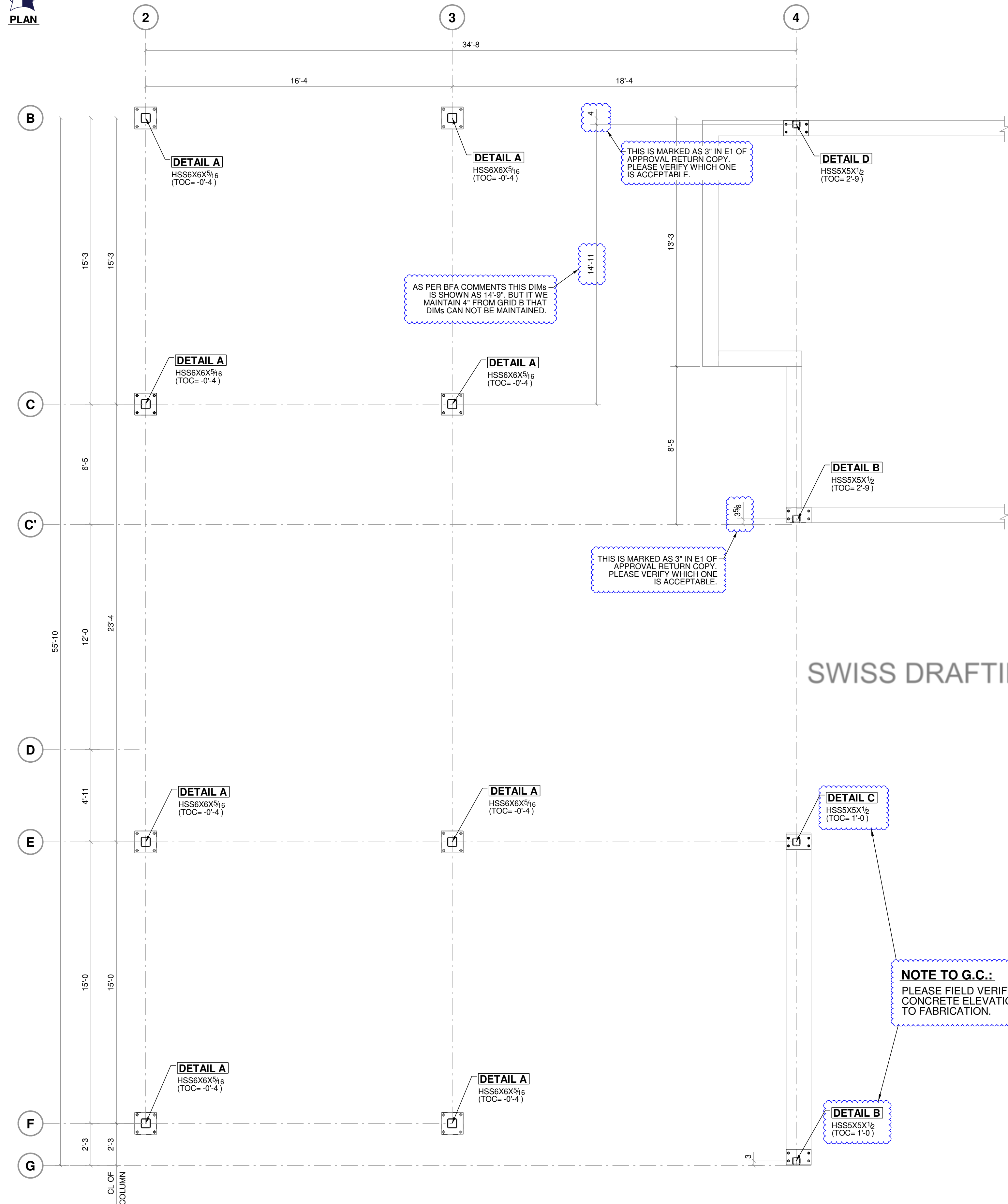
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| david@swissdrafting.com

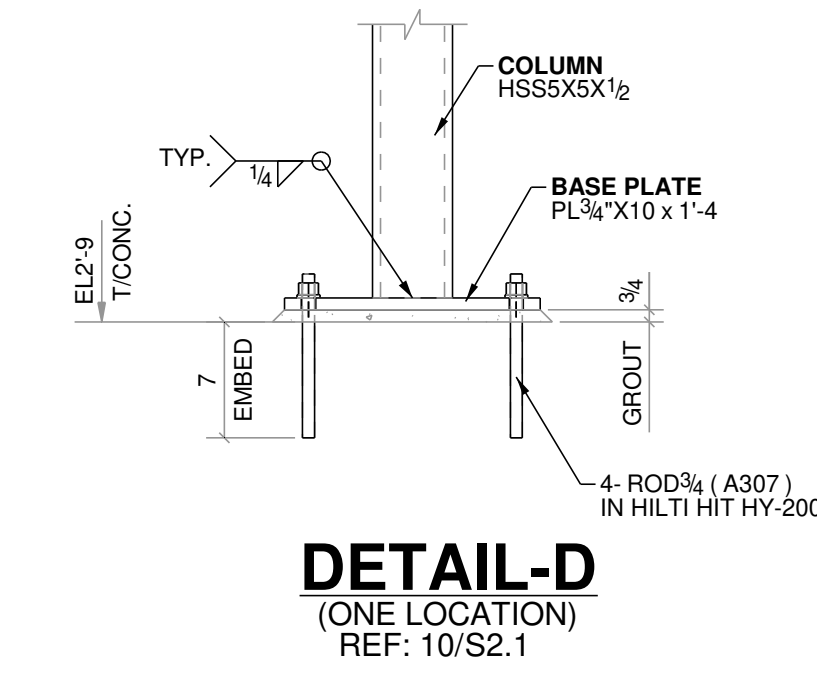
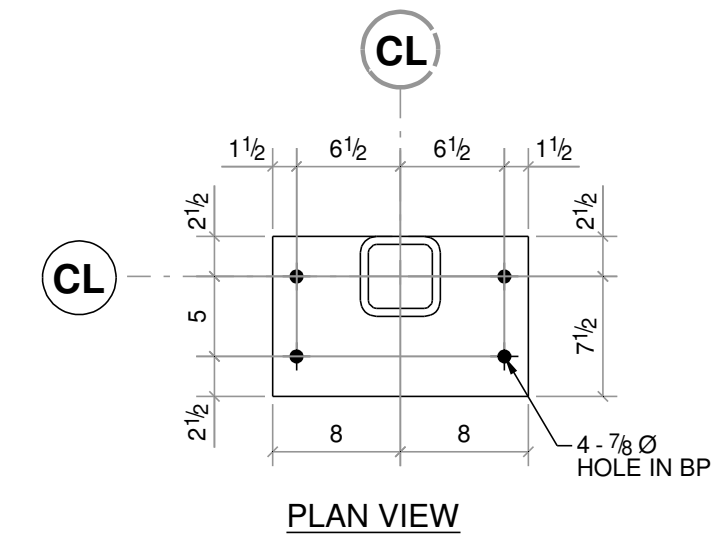
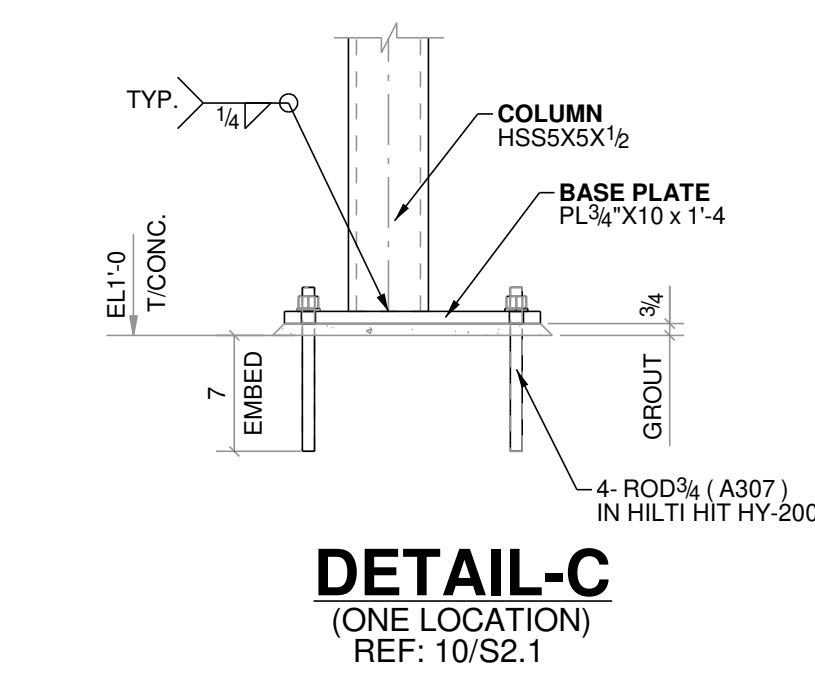
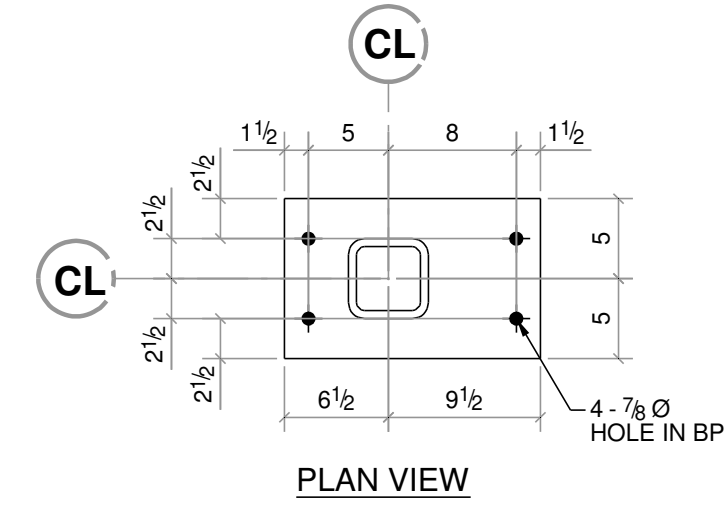
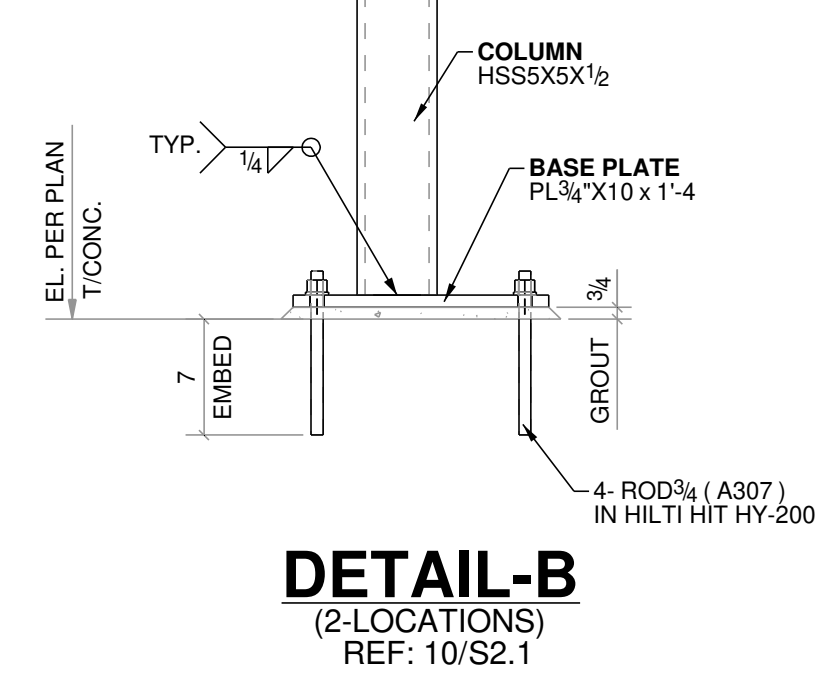
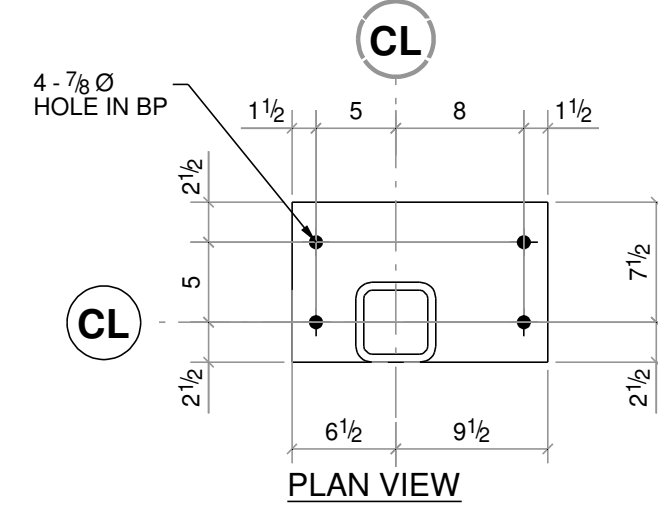
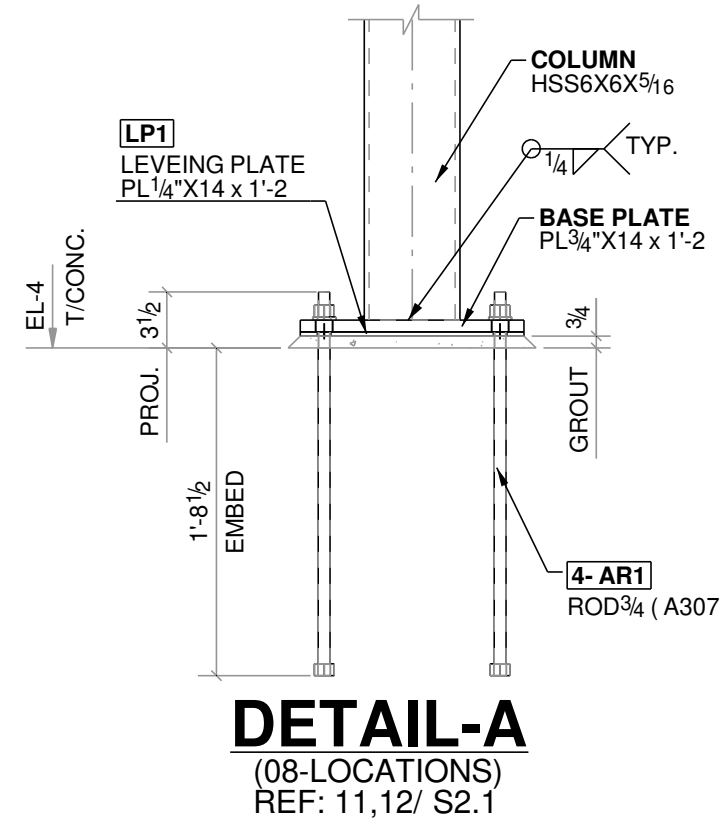
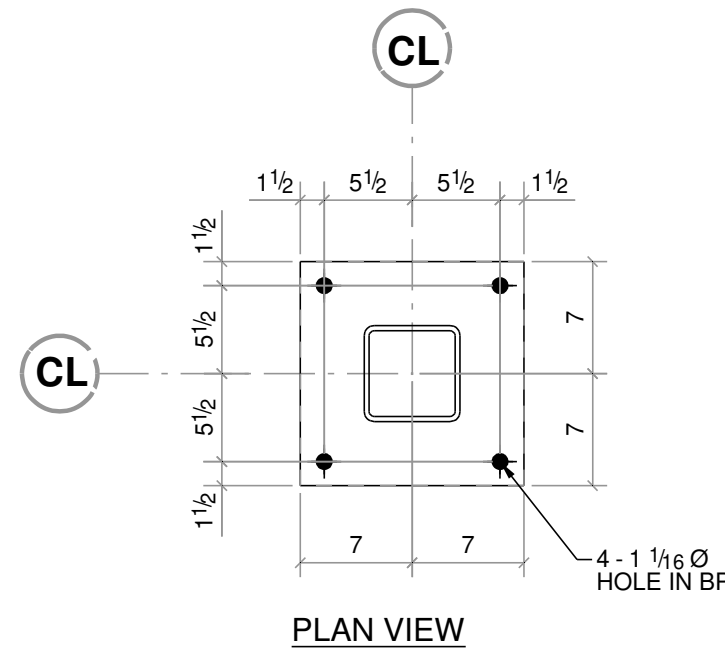
Sample drawing · Send plans for a quote within the hour



1 ANCHOR BOLT LAYOUT PLAN
REF: 1/ S1.1

GENERAL NOTE:

1. DATUM ELEVATION = FINISH FLOOR = 0'-0
2. ALL ELEVATIONS ARE GIVEN FROM DATUM ELEVATION.
3. TOC = TOP OF CONCRETE ELEVATION = PER PLAN



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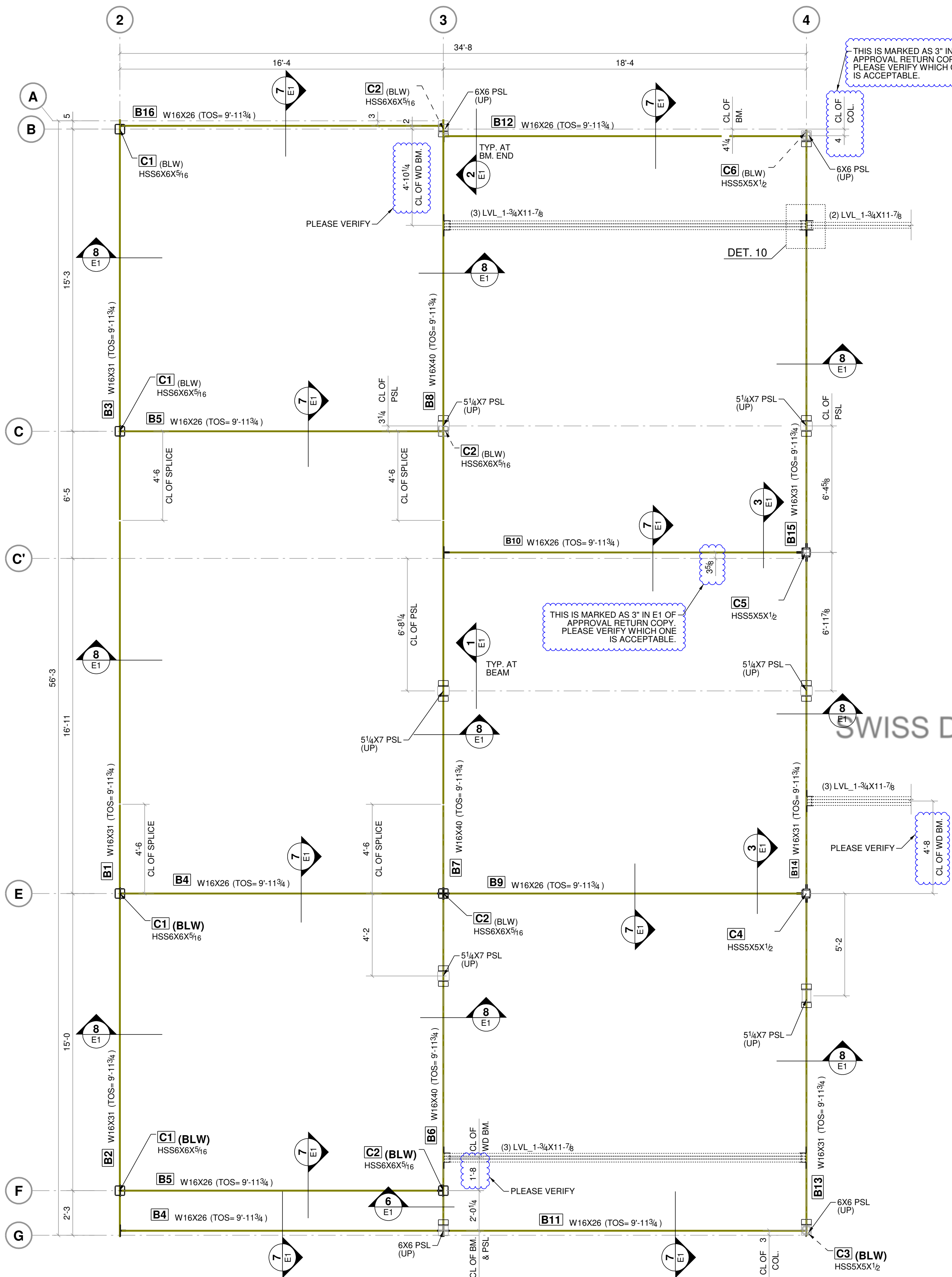
NOTE TO G.C.:

PLEASE FIELD VERIFY TOP OF
CONCRETE ELEVATION PRIOR
TO FABRICATION.

NOTE TO APPROVER:
1. THESE DWGS ARE OUR INTERPRETATION OF
CONTRACT DWGS & WILL BE ASSUMED TO BE
CORRECT AS SHOWN UNLESS MARKED
OTHERWISE ON THE APPROVAL DWGS.
2. ALL DIMENSIONS & ELEVATIONS SHOWN HERE
NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL
BE ASSUMED TO BE CORRECT AS SHOWN UNLESS
MARKED OTHERWISE ON THE APPROVAL DWGS.

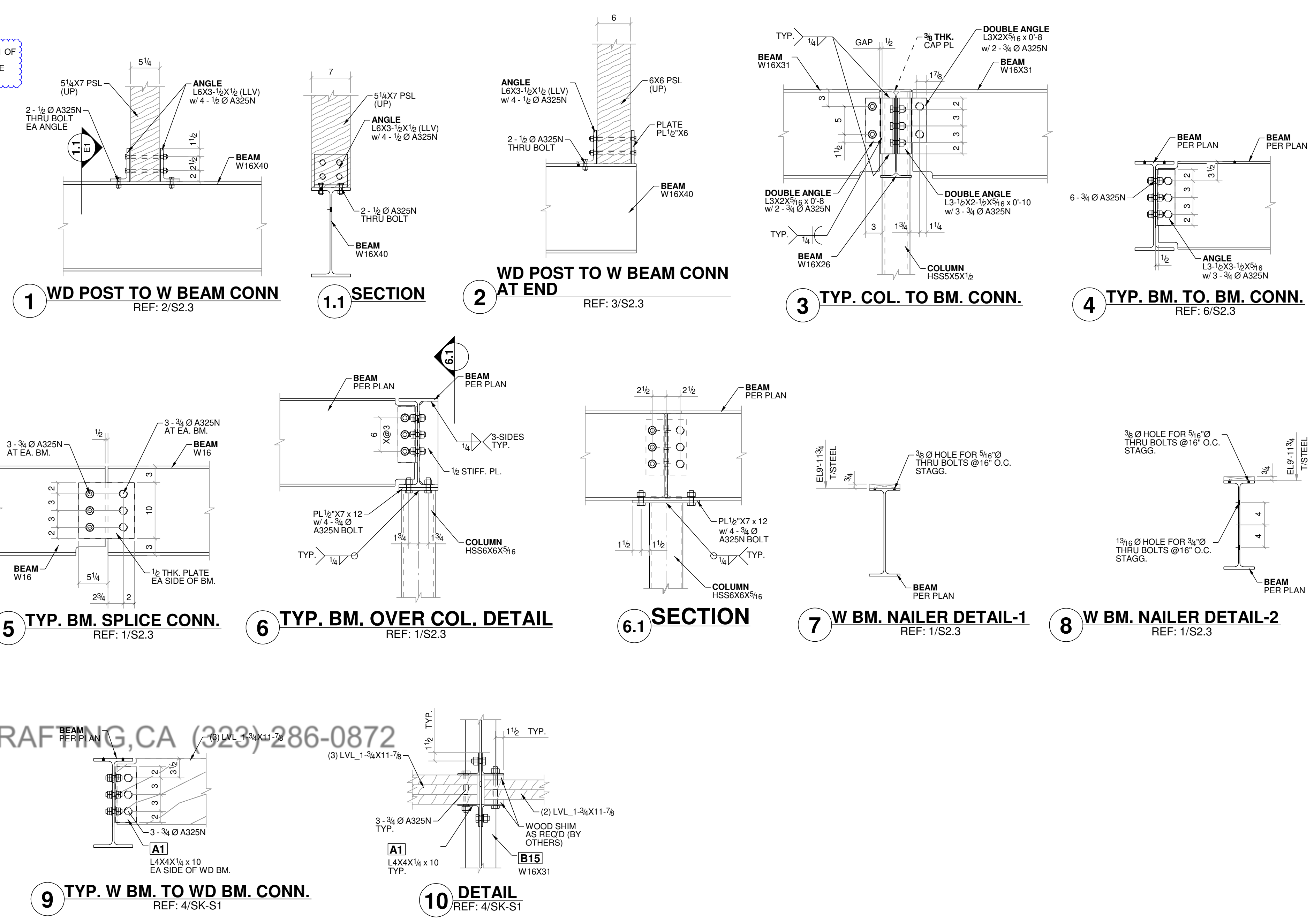
FINISH:	AS PER SPEC.
BOLT:	A325N
HOLE SIZE:	13/16 DIA. UN
MATERIAL:	
W SHAPES:	A992
PIPS:	A53, Gr. B
HSS SHAPES:	A500, Gr. B
PLATES/CHANNELS:	A36

B	05/01/2023	REVISED PER MARKUPS		
A	04/03/2023	ISSUED FOR APPROVAL		
PROJECT NAME & LOCATION				
NEW MULTIFAMILY BUILDING FOR 95-97 ADDIS				
EAST BOSTON,MA 02128				
DWG. TITLE:				
ANCHOR BOLT LAYOUT PLAN				
ENGINEER: GREGORIAN ENGINEERS				
ARCHITECT: SANGIOLO ASSOCIATES ARCHITECTS				
CONTRACTOR:				
DRAWN BY: RH		CHK'D BY: AS	JOB NUMBER	DWG. NO.
DATE: 03/27/2023		DATE: 03/31/2023	---	AB1
				REVISION B



1 SECOND FLOOR FRAMING PLAN
REF: 1/ S1.2

GENERAL NOTE:
1. DATUM ELEVATION = FINISH FLOOR - 0'-0"
2. ALL ELEVATIONS ARE GIVEN FROM DATUM ELEVATION.
3. ALL WOODEN POST AND BEAMS ARE BY OTHERS.

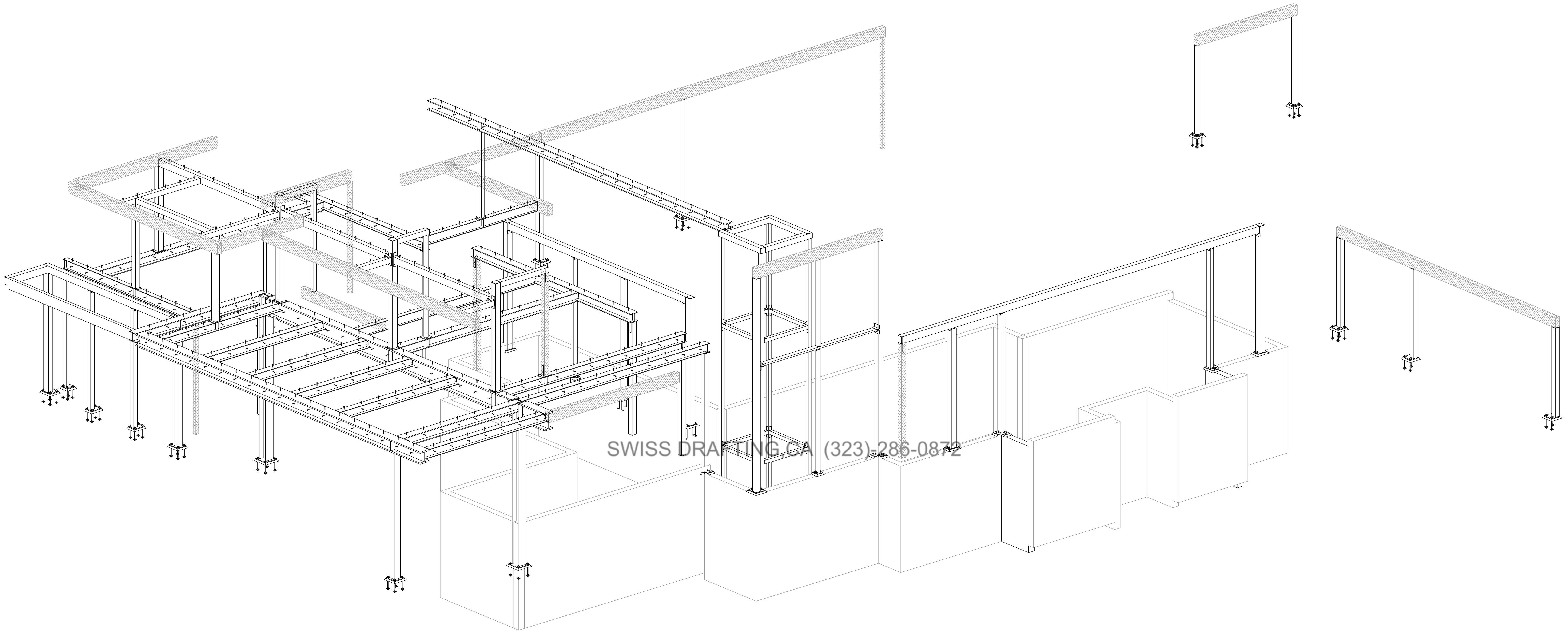


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NOTE TO APPROVER:
1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

FINISH:	AS PER SPEC.
BOLT:	A325N
HOLE SIZE:	13/16 DIA. U/N
MATERIAL:	
W SHAPES:	A992
PIPS:	A53, Gr. B
HSS SHAPES:	A500, Gr. B
PLATES/CHANNELS:	A36

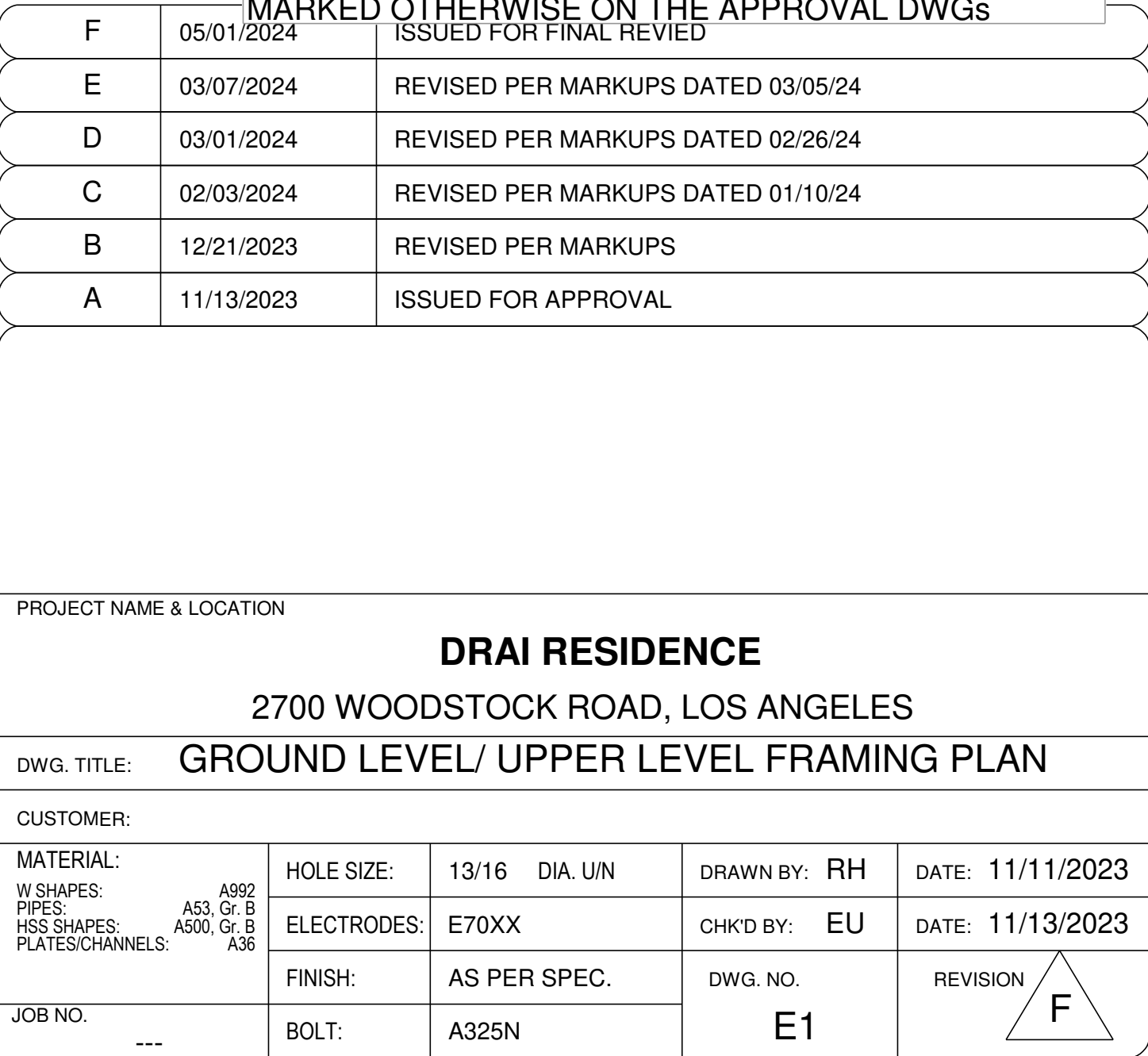
B	05/01/2023	REVISED PER MARKUPS
A	04/03/2023	ISSUED FOR APPROVAL
PROJECT NAME & LOCATION		
NEW MULTIFAMILY BUILDING FOR 95-97 ADDIS		
EAST BOSTON, MA 02128		
DWG. TITLE:		
SECOND FLOOR FRAMING PLAN		
ENGINEER:		
GREGORIAN ENGINEERS		
ARCHITECT:		
SANGIOLO ASSOCIATES ARCHITECTS		
CONTRACTOR:		
DRAWN BY: RH	CHK'D BY: AS	JOB NUMBER
DATE: 03/27/2023	DATE: 03/31/2023	---
DWG. NO.		REVISION
E1		B

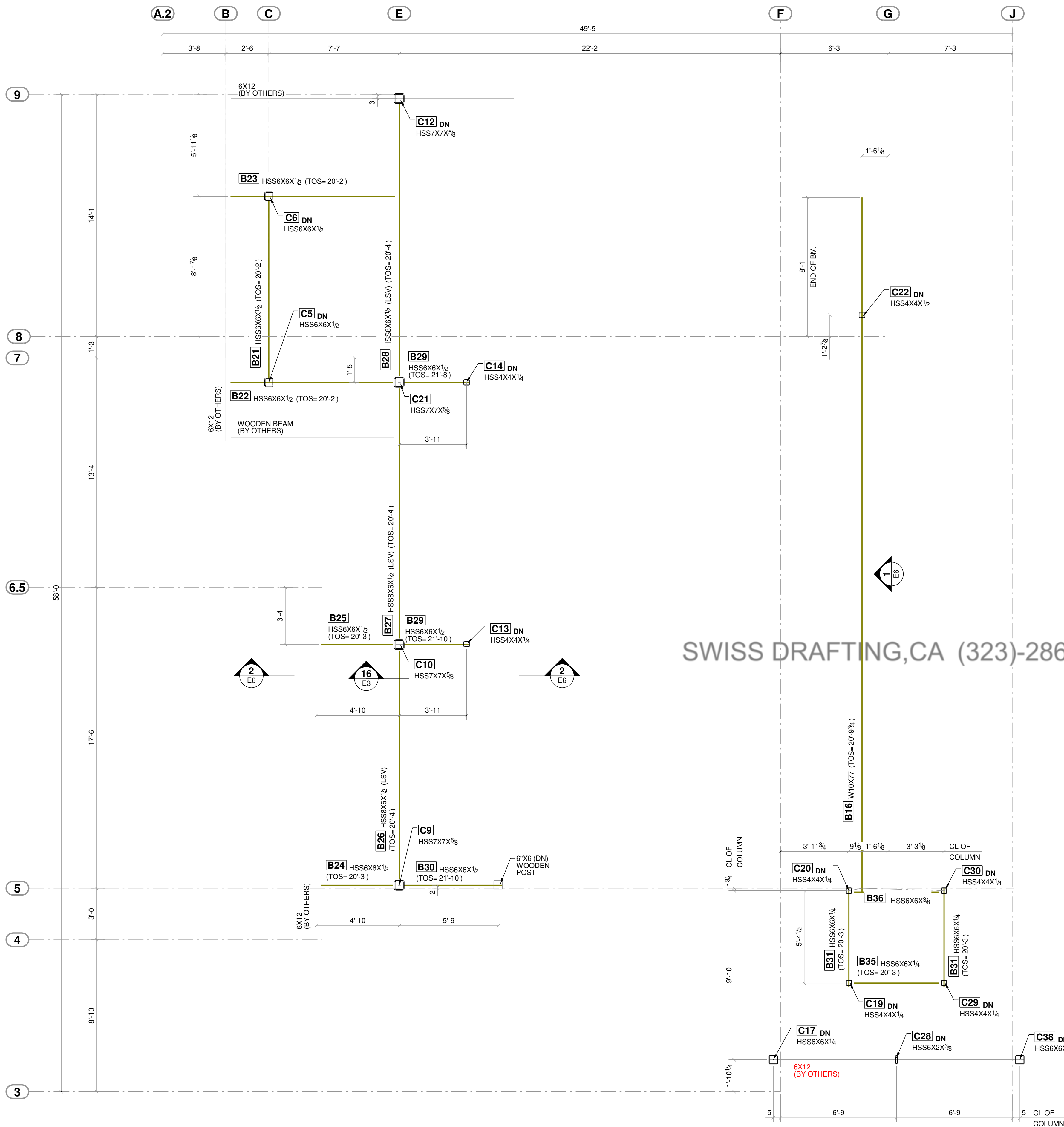


ISOMETRIC VIEW

DRAWINGS INDEX			
DWG. NO.	DESCRIPTION	STATUS	REVISION
AB1	ANCHOR BOLT LAYOUT PLAN	01-MAY-2024	F
AB2	ANCHOR BOLT DETAILS	01-MAY-2024	F
AB3	ANCHOR BOLT DETAILS	01-MAY-2024	F
E0	ISOMETRIC VIEW	01-MAY-2024	F
E1	GROUND LEVEL/ UPPER LEVEL FRAMING PLAN	01-MAY-2024	F
E2	UPPER LEVEL CELING FRAMING PLAN	01-MAY-2024	F
E3	TYPICAL SECTIONS	01-MAY-2024	F

F	05/01/2024	ISSUED FOR FINAL REVIED
E	03/07/2024	REVISED PER MARKUPS DATED 03/05/24
D	03/01/2024	REVISED PER MARKUPS DATED 02/26/24
C	02/03/2024	REVISED PER MARKUPS DATED 01/10/24
B	12/21/2023	REVISED PER MARKUPS
A	11/13/2023	ISSUED FOR APPROVAL
PROJECT NAME & LOCATION		
DRAI RESIDENCE		
2700 WOODSTOCK ROAD, LOS ANGELES		
DWG. TITLE: ISOMETRIC VIEW		
CUSTOMER:		
MATERIAL:	HOLE SIZE:	13/16 DIA. U/N
W SHAPES:		
PIPER:		
HSS SHAPES:		
PLATES/CHANNELS:		
	ELECTRODES:	E70XX
	FINISH:	AS PER SPEC.
JOB NO.	BOLT:	A325N



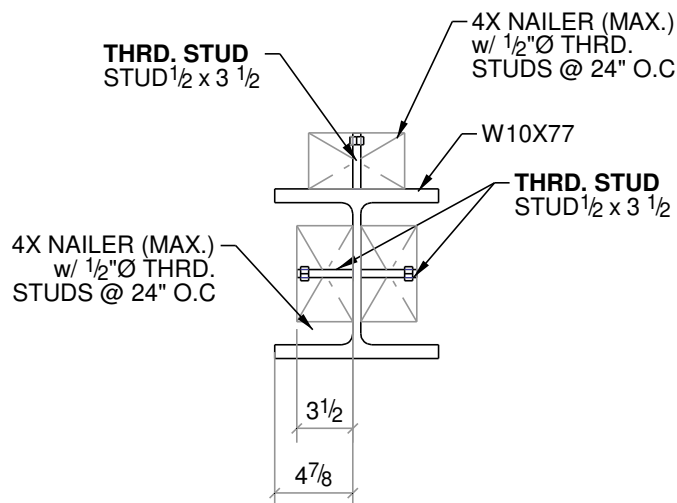


1 UPPER LEVEL CEILING FRAMING PLAN
REF.: S-1.2A

GENERAL NOTES:

1. ALL ELEVATIONS ARE GIVEN FROM DATUM ELEVATION.
2. TOP OF FINISH FLOOR = 22'-2"
3. TOP OF STEEL ELEVATION = PER PLAN

NOTE TO APPROVER:
1. DETAILED SHOP DWGs ARE NOT SUBMITTED AT THIS POINT AS WE WOULD LIKE APPROVAL OF DESIGN CONCEPT PRIOR TO CREATING DETAIL DWGs. DETAILED SHOP DWGs WILL BE CREATED BASED ON APPROVAL COMMENTS OF THESE ERECTION DWGs.
2. THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.
3. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs



A TYPICAL DETAIL AT WOOD BEAM TO W-BEAM
REF.: 6/S-5

F	05/01/2024	ISSUED FOR FINAL REVIED
E	03/07/2024	REVISED PER MARKUPS DATED 03/05/24
D	03/01/2024	REVISED PER MARKUPS DATED 02/26/24
C	02/03/2024	REVISED PER MARKUPS DATED 01/10/24
B	12/21/2023	REVISED PER MARKUPS
A	11/13/2023	ISSUED FOR APPROVAL

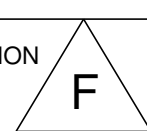
PROJECT NAME & LOCATION

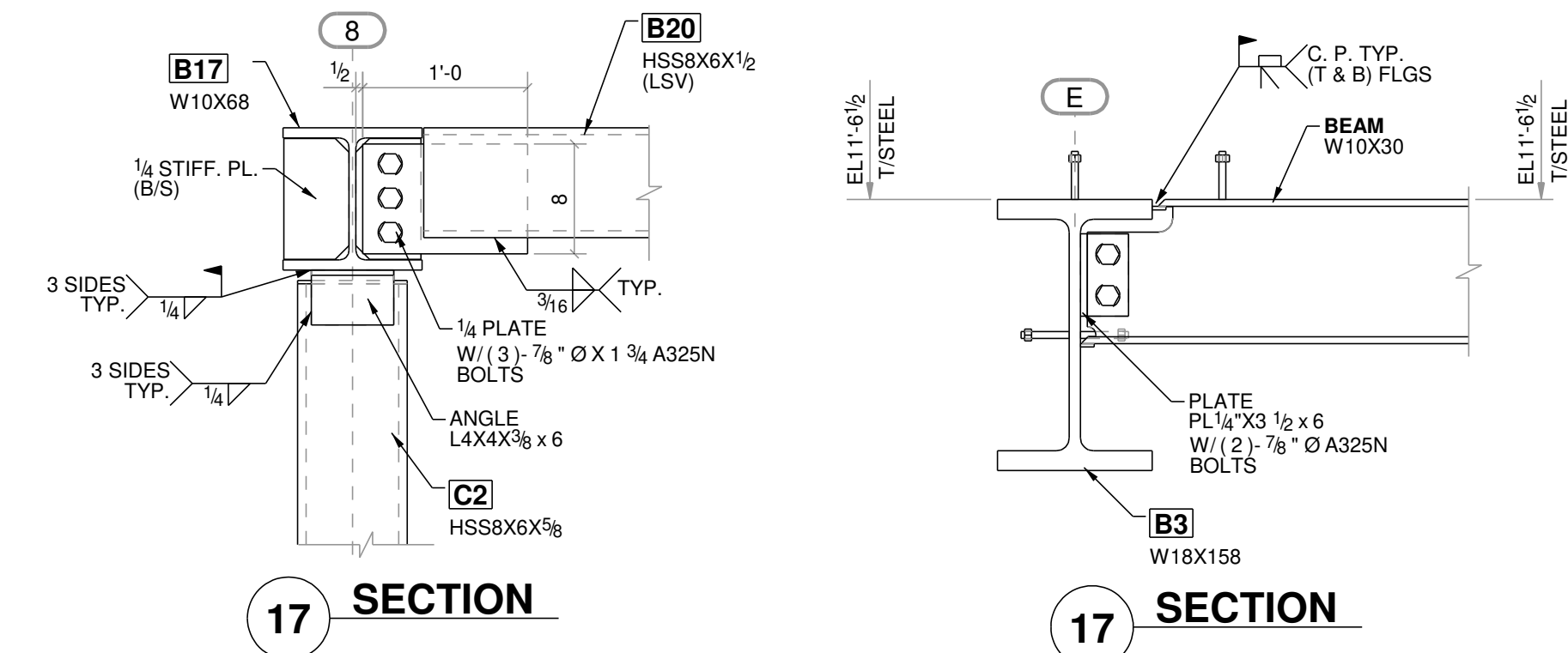
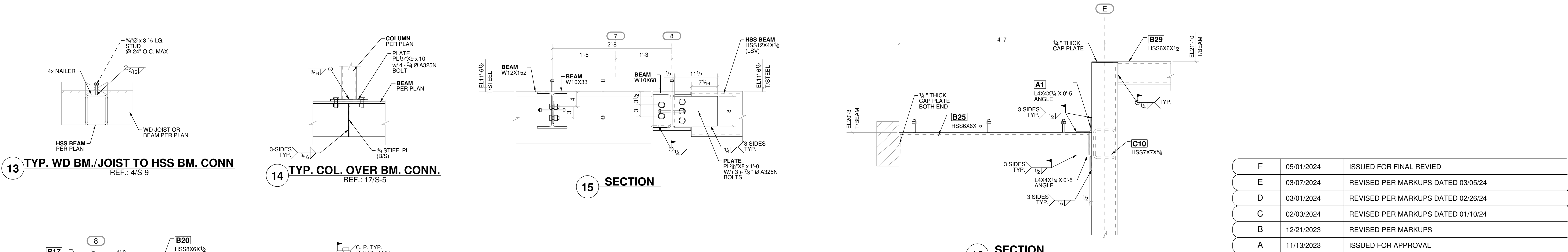
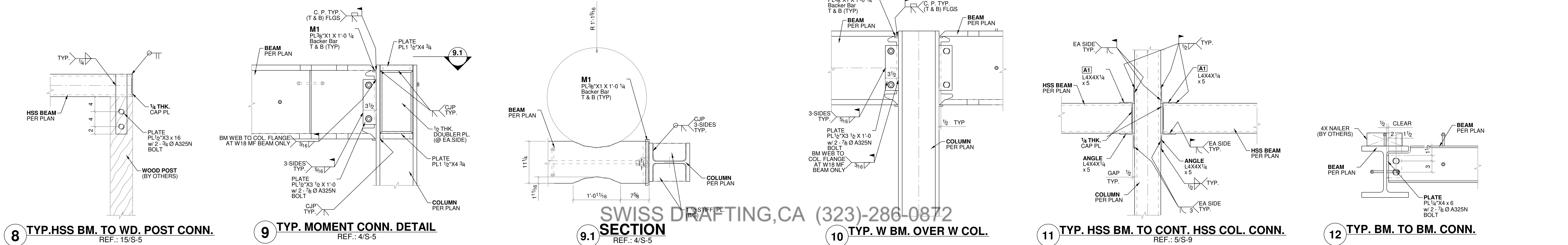
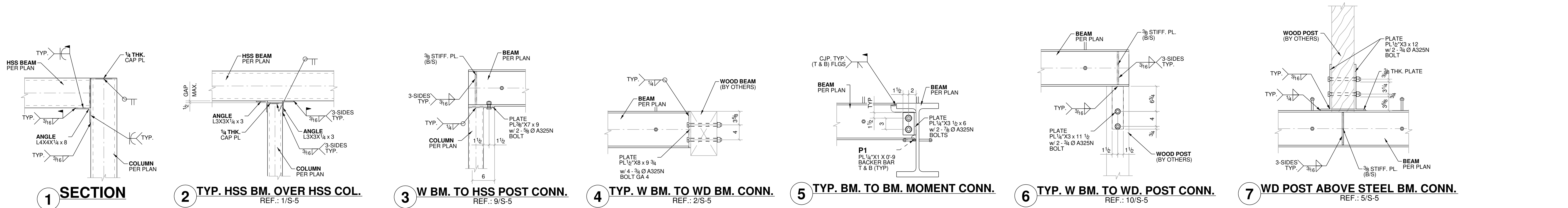
DRAI RESIDENCE

2700 WOODSTOCK ROAD, LOS ANGELES

DWG. TITLE: UPPER LEVEL CEILING FRAMING PLAN

CUSTOMER:

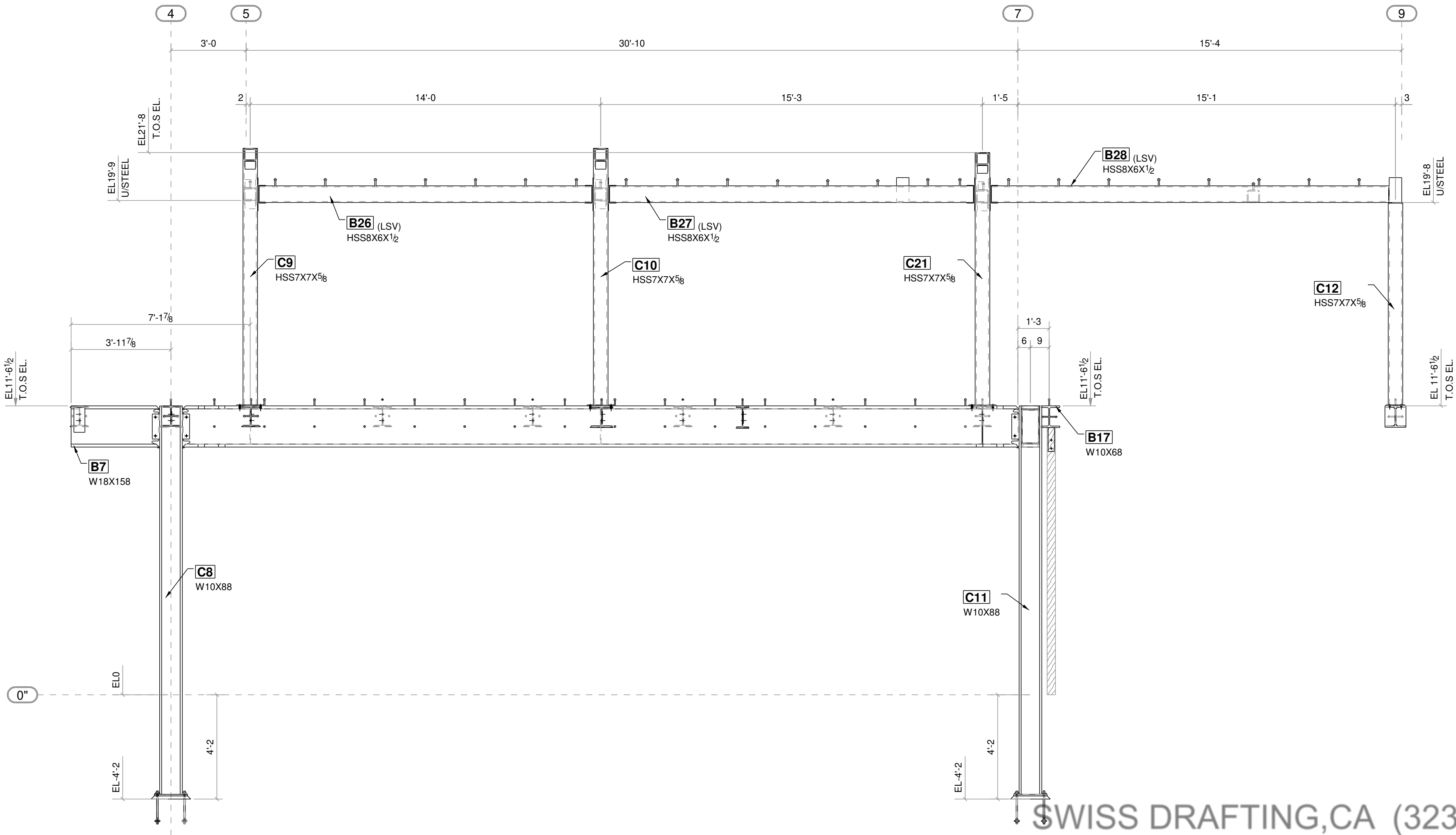
MATERIAL:	HOLE SIZE:	13/16 DIA. UIN	DRAWN BY: RH	DATE: 11/11/2023
W SHAPES: A992 PIPES: A53, Gr. B	ELECTRODES:	E70XX	CHK'D BY: EU	DATE: 11/13/2023
HSS SHAPES: A500, Gr. B	FINISH:	AS PER SPEC.	DWG. NO. E2	REVISION 
PLATES/CHANNELS: A36	BOLT:	A325N		
JOB NO. ---				



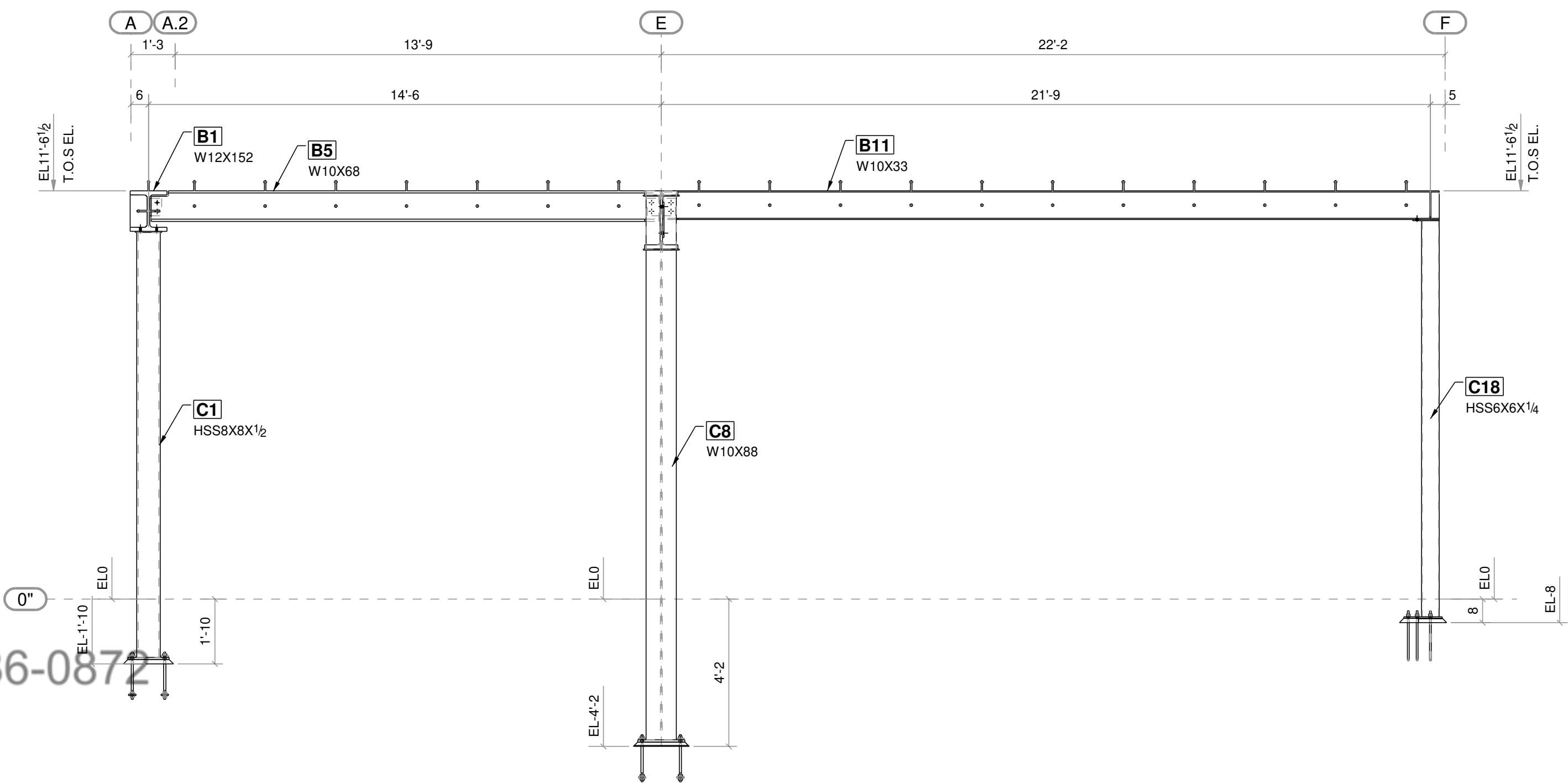
NOTE TO APPROVER:
1. DETAILED SHOP DWGS ARE NOT SUBMITTED AT THIS POINT AS WE WOULD LIKE APPROVAL OF DESIGN CONCEPT PRIOR TO CREATING DETAIL DWGS. DETAILED SHOP DWGS WILL BE CREATED BASED ON APPROVAL COMMENTS OF THESE ERECTION DWGS.
2. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
3. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS

F	05/01/2024	ISSUED FOR FINAL REVIED
E	03/07/2024	REVISED PER MARKUPS DATED 03/05/24
D	03/01/2024	REVISED PER MARKUPS DATED 02/26/24
C	02/03/2024	REVISED PER MARKUPS DATED 01/10/24
B	12/21/2023	REVISED PER MARKUPS
A	11/13/2023	ISSUED FOR APPROVAL

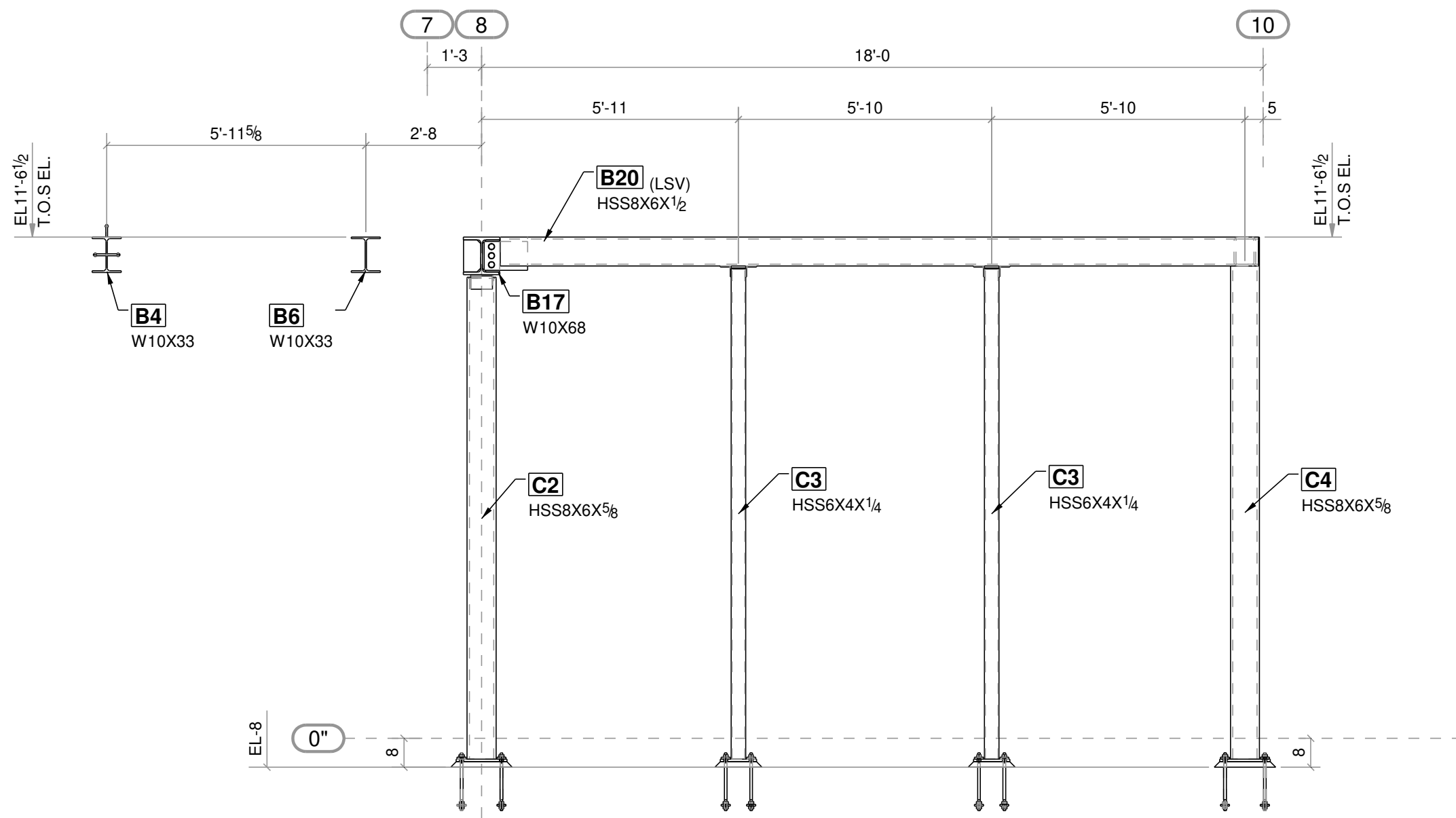
PROJECT NAME & LOCATION			
DRAI RESIDENCE			
2700 WOODSTOCK ROAD, LOS ANGELES			
DWG. TITLE: TYP. SECTIONS			
CUSTOMER:			
MATERIAL:	W SHAPES: A33 OR B A36	HOLE SIZE:	13/16 DIA. UIN
PIPES:	A33 OR B A36	ELECTRODES:	E70XX
HSS SHAPES:	A33 OR B A36	FINISH:	AS PER SPEC.
PLATES/CHANNELS:	A33 OR B A36	BOLT:	A325N
JOB NO.	---	DWG. NO.	E3
		REVISION	F



1 SECTION



2 SECTION

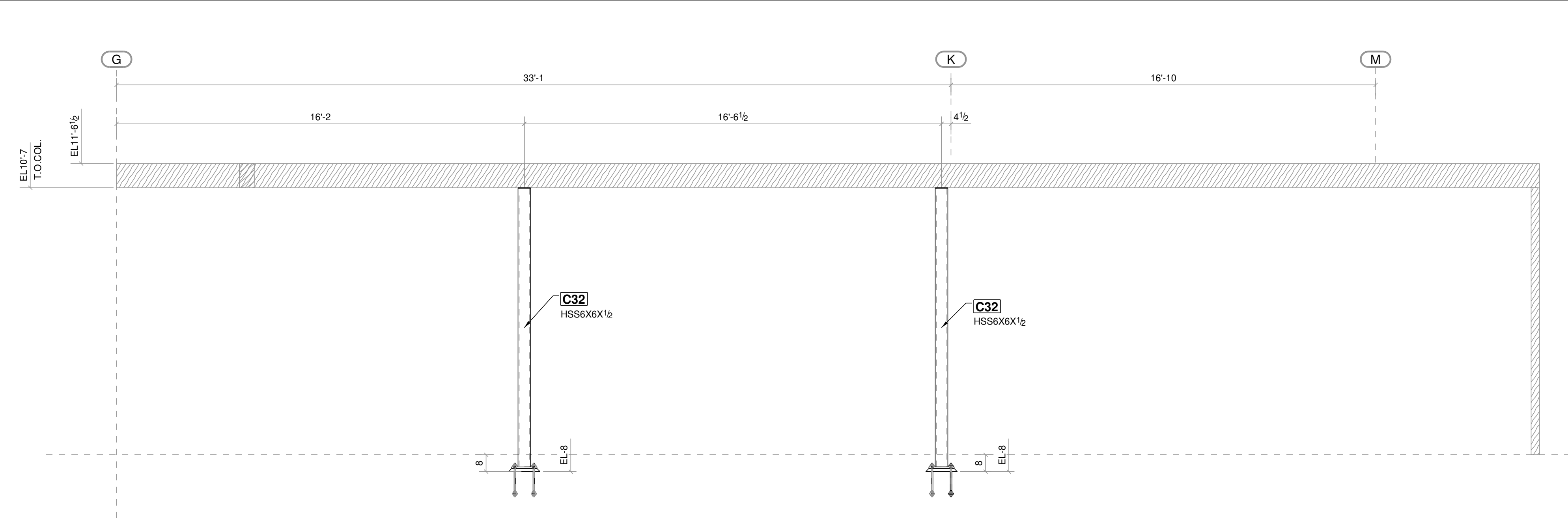


3 SECTION

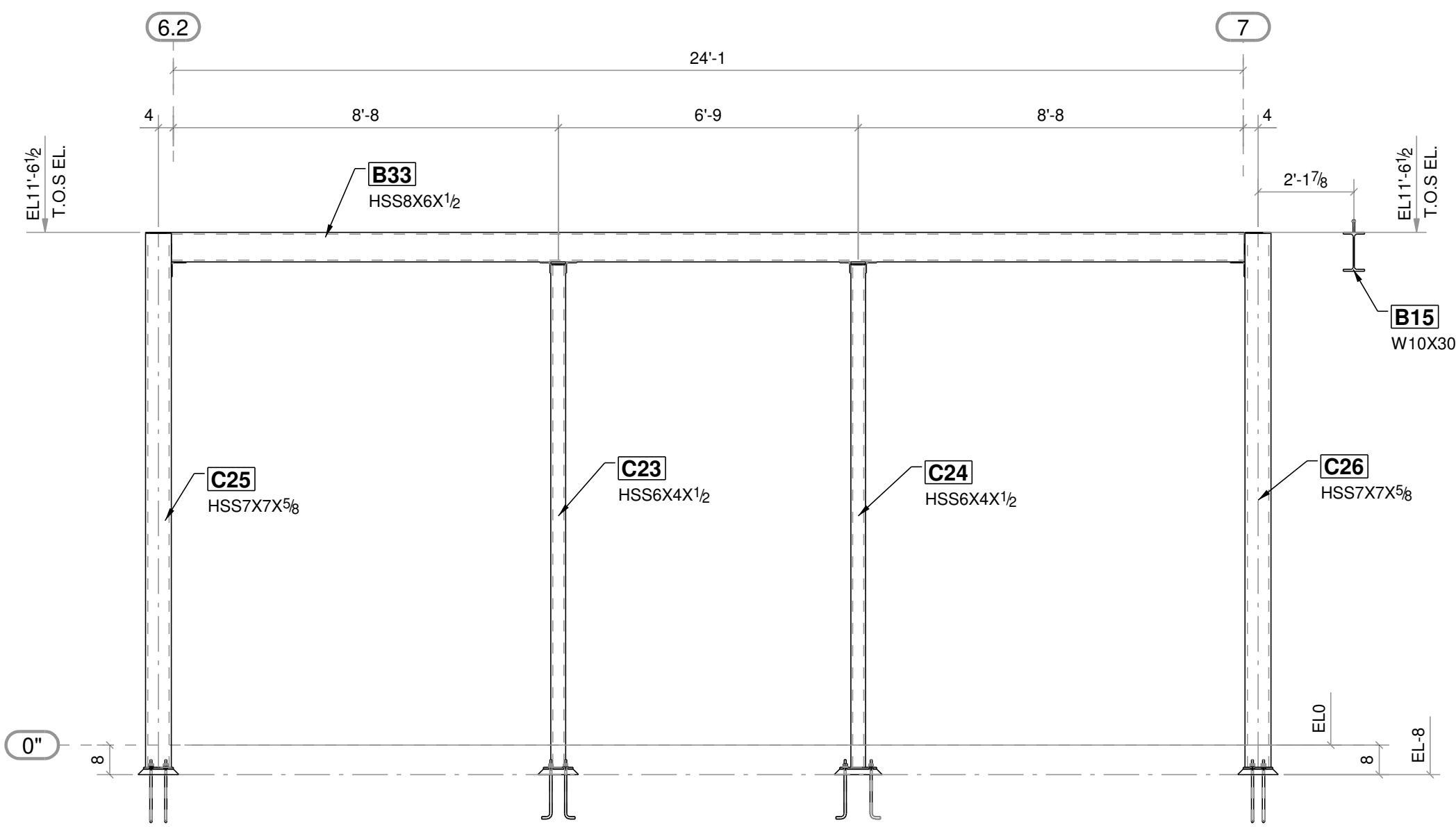
NOTE TO APPROVER:
1. DETAILED SHOP DWGS ARE NOT SUBMITTED AT THIS POINT AS WE WOULD LIKE APPROVAL OF DESIGN CONMCEPT PRIOR TO CREATING DETAIL DWGS. DETAILED SHOP DWGS WILL BE CREATED BASED ON APPROVAL COMMENTS OF THESE ERECTION DWGS.
2. THESE DWGS ARE OUR INTEPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
3. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS

F	05/01/2024	ISSUED FOR FINAL REVIED
E	03/07/2024	REVISED PER MARKUPS DATED 03/05/24
D	03/01/2024	REVISED PER MARKUPS DATED 02/26/24
C	02/03/2024	REVISED PER MARKUPS DATED 01/10/24
B	12/21/2023	ISSUED FOR APPROVAL
A	12/21/2023	NEW SHEET

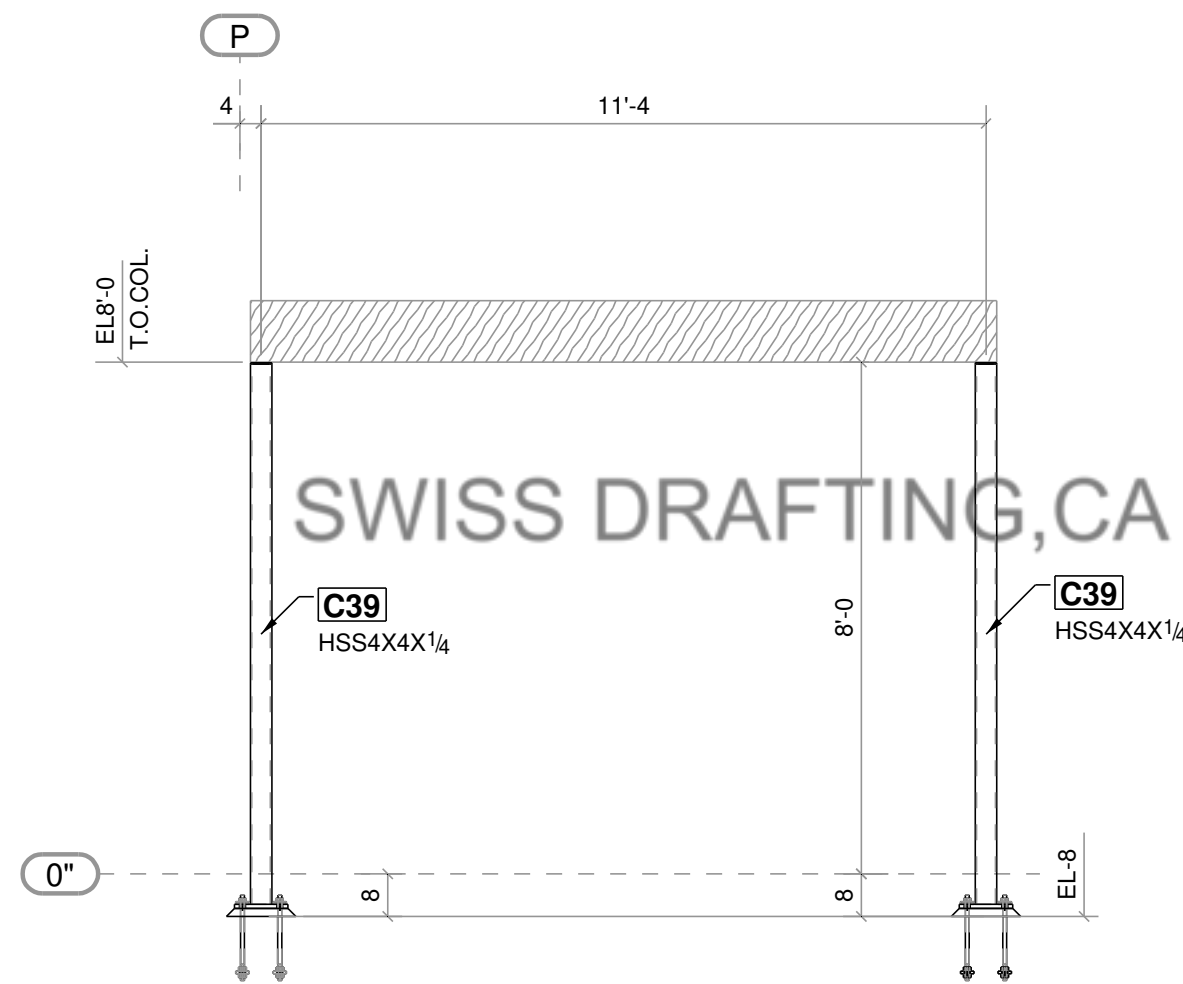
PROJECT NAME & LOCATION				
DRAI RESIDENCE				
2700 WOODSTOCK ROAD, LOS ANGELES				
DWG. TITLE: ELEVATIONS				
CUSTOMER:				
MATERIAL: W SHAPES: A992 PIPES: A53, GR. B HSS SHAPES: A500, GR. B PLATES/CHANNELS: A36	HOLE SIZE:	13/16 DIA. U/N	DRAWN BY:	RH
	ELECTRODES:	E70XX	CHK'D BY:	EU
	FINISH:	AS PER SPEC.	DWG. NO.	E4
	BOLT:	A325N		
JOB NO.	---		REVISION	F



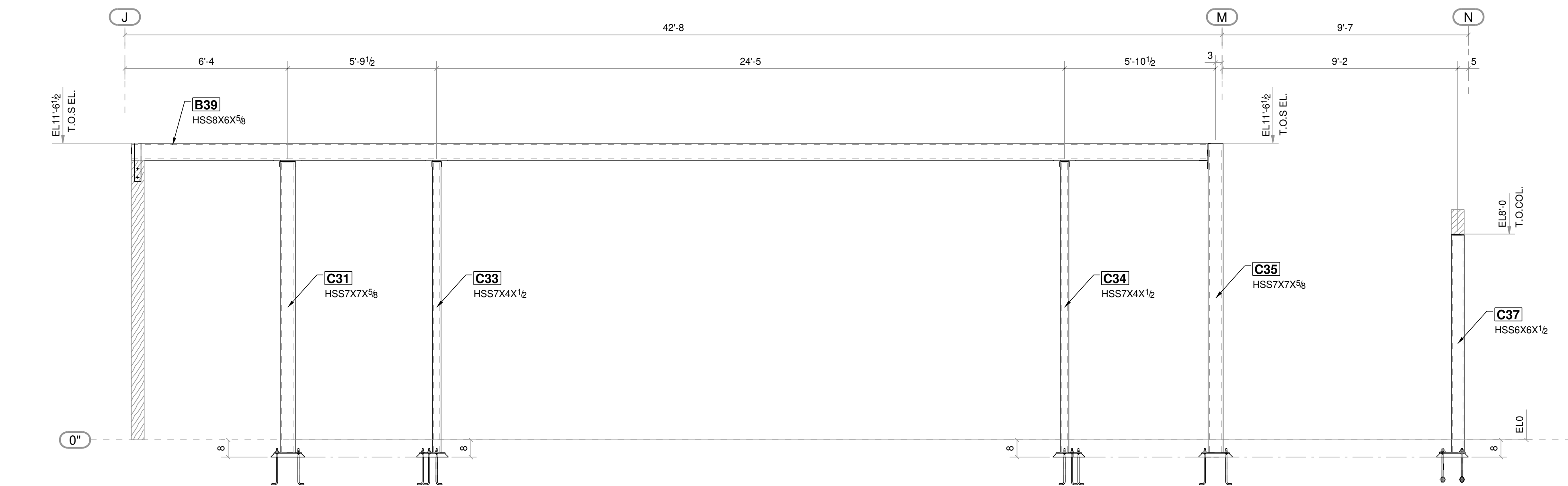
1 SECTION



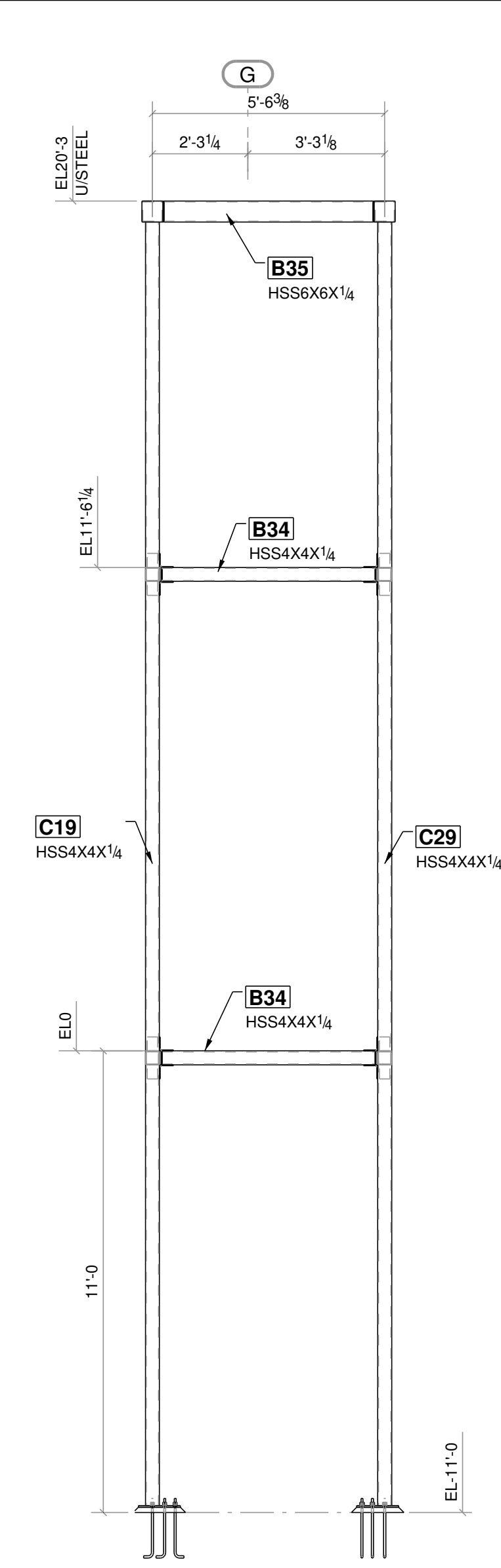
2 SECTION



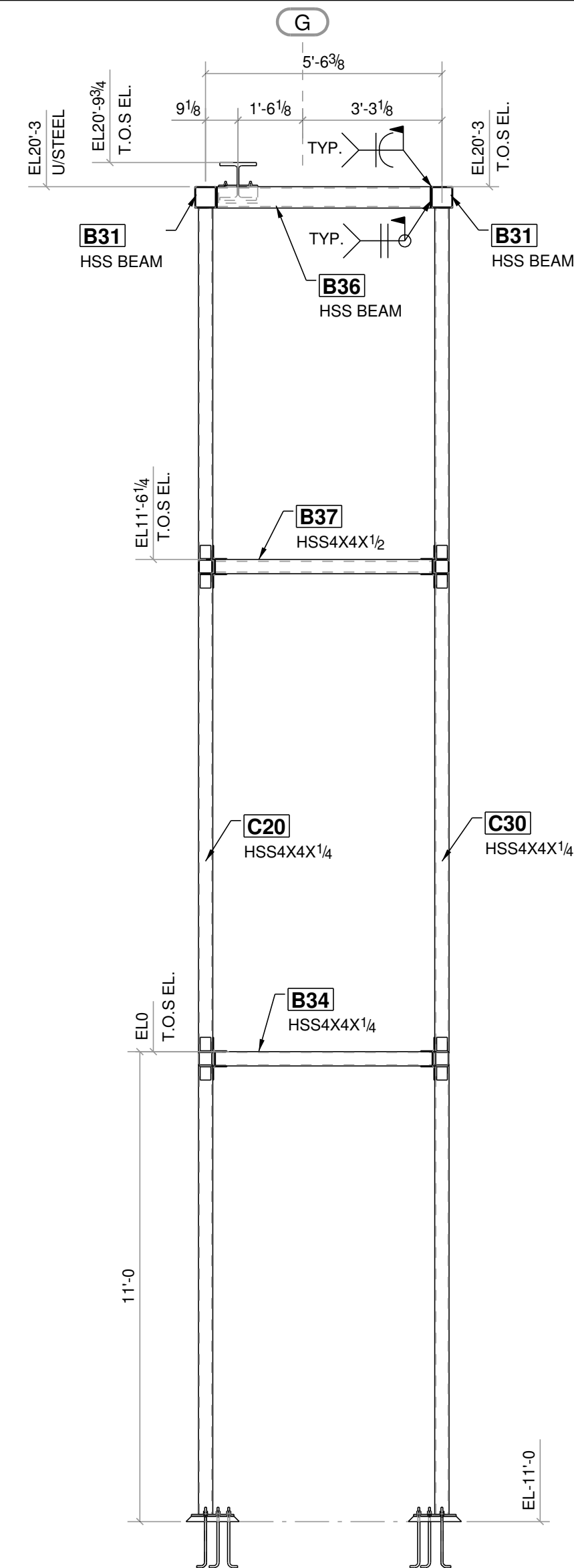
3 SECTION



6 SECTION



4 SECTION

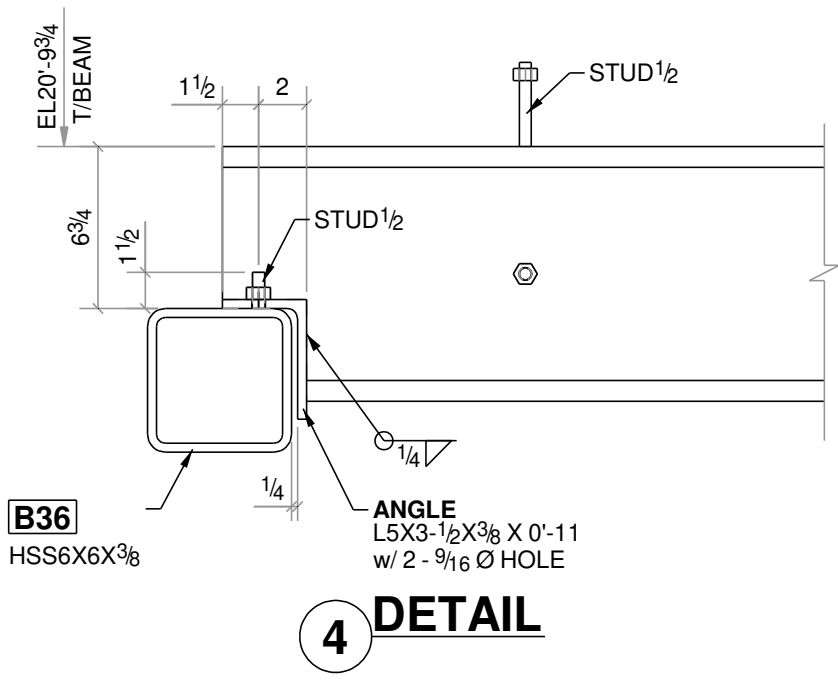
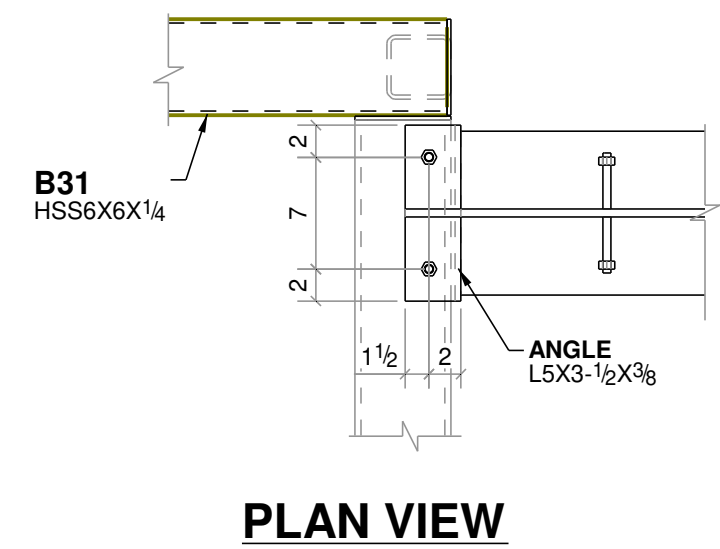
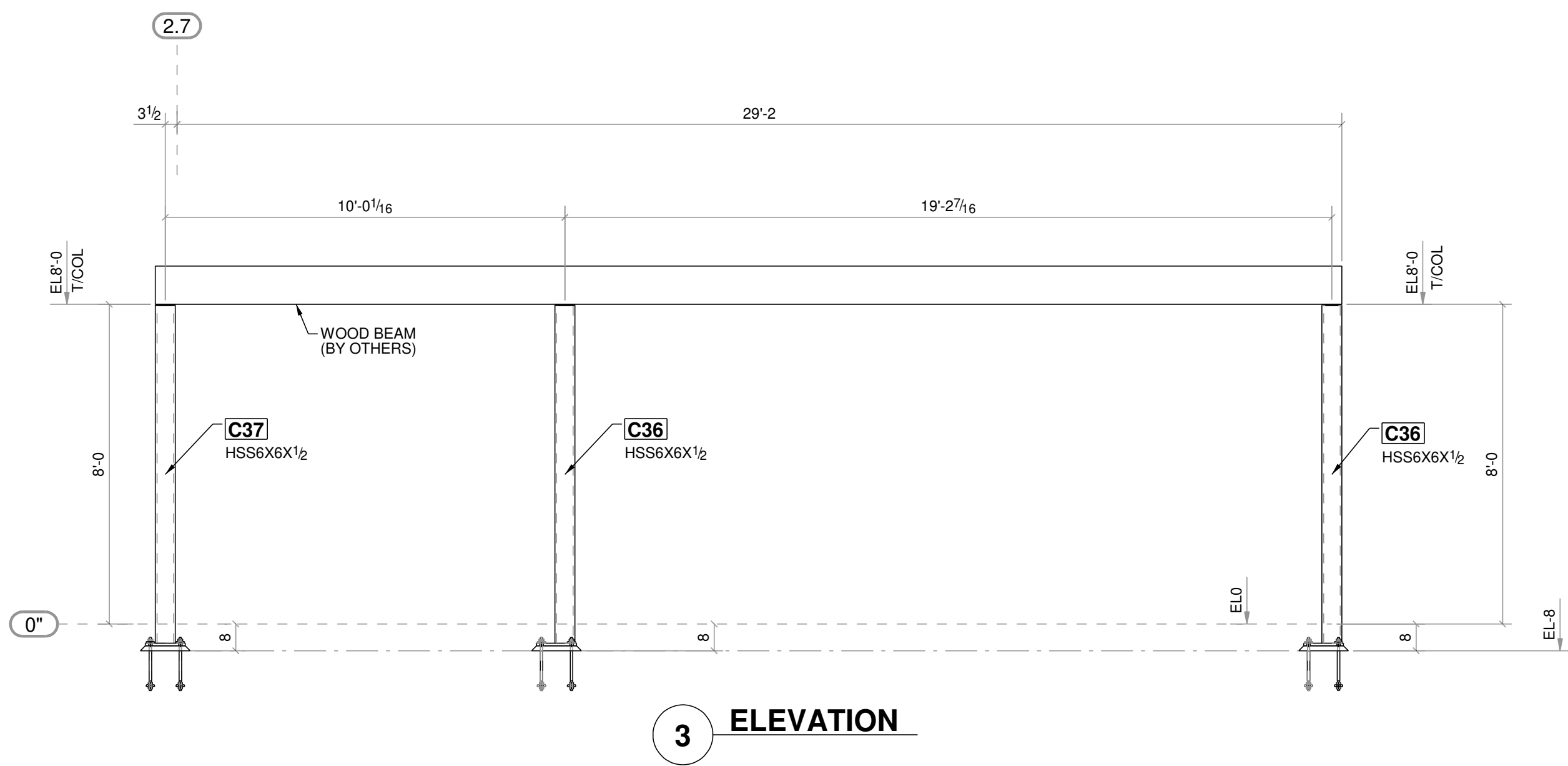
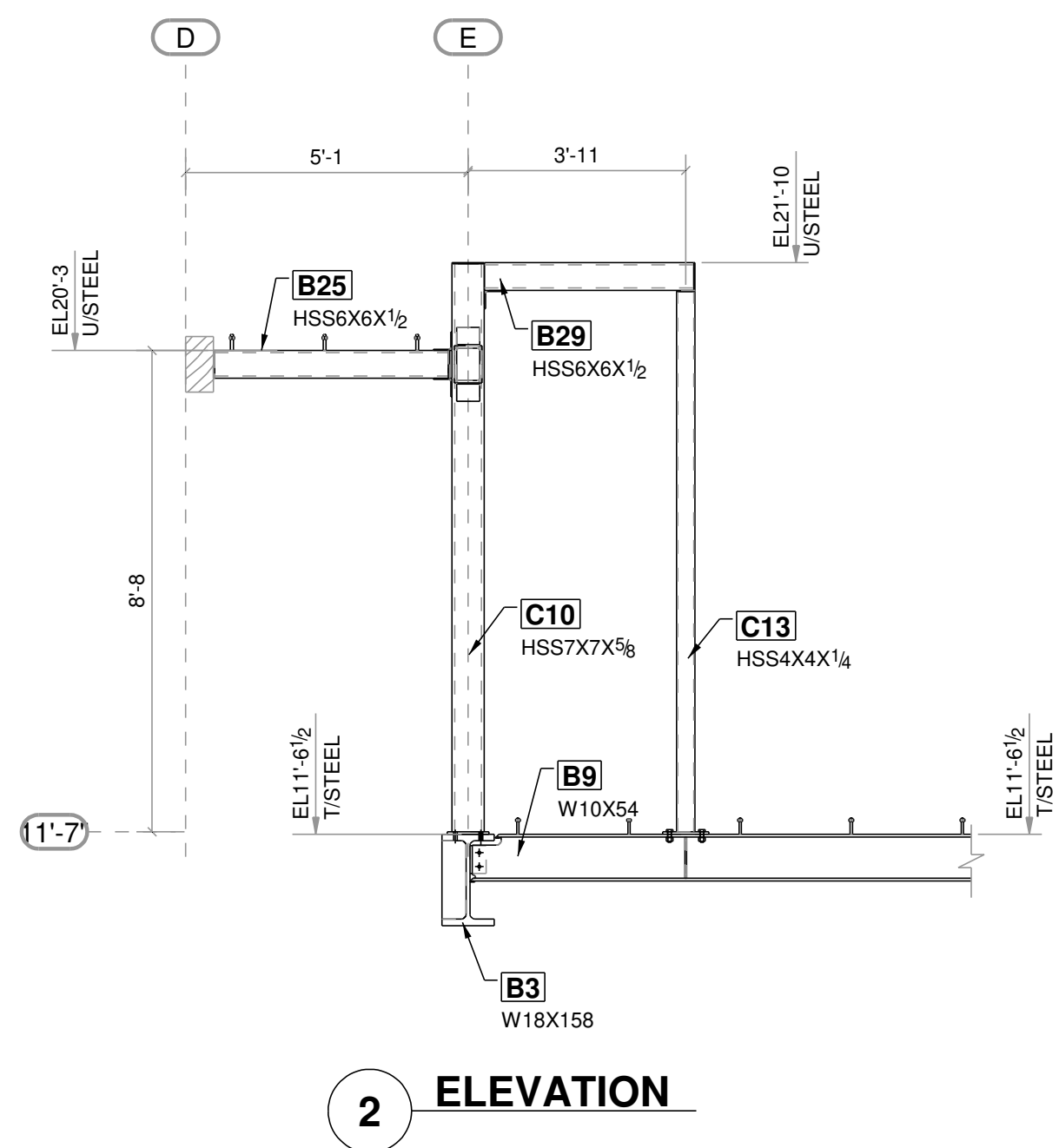
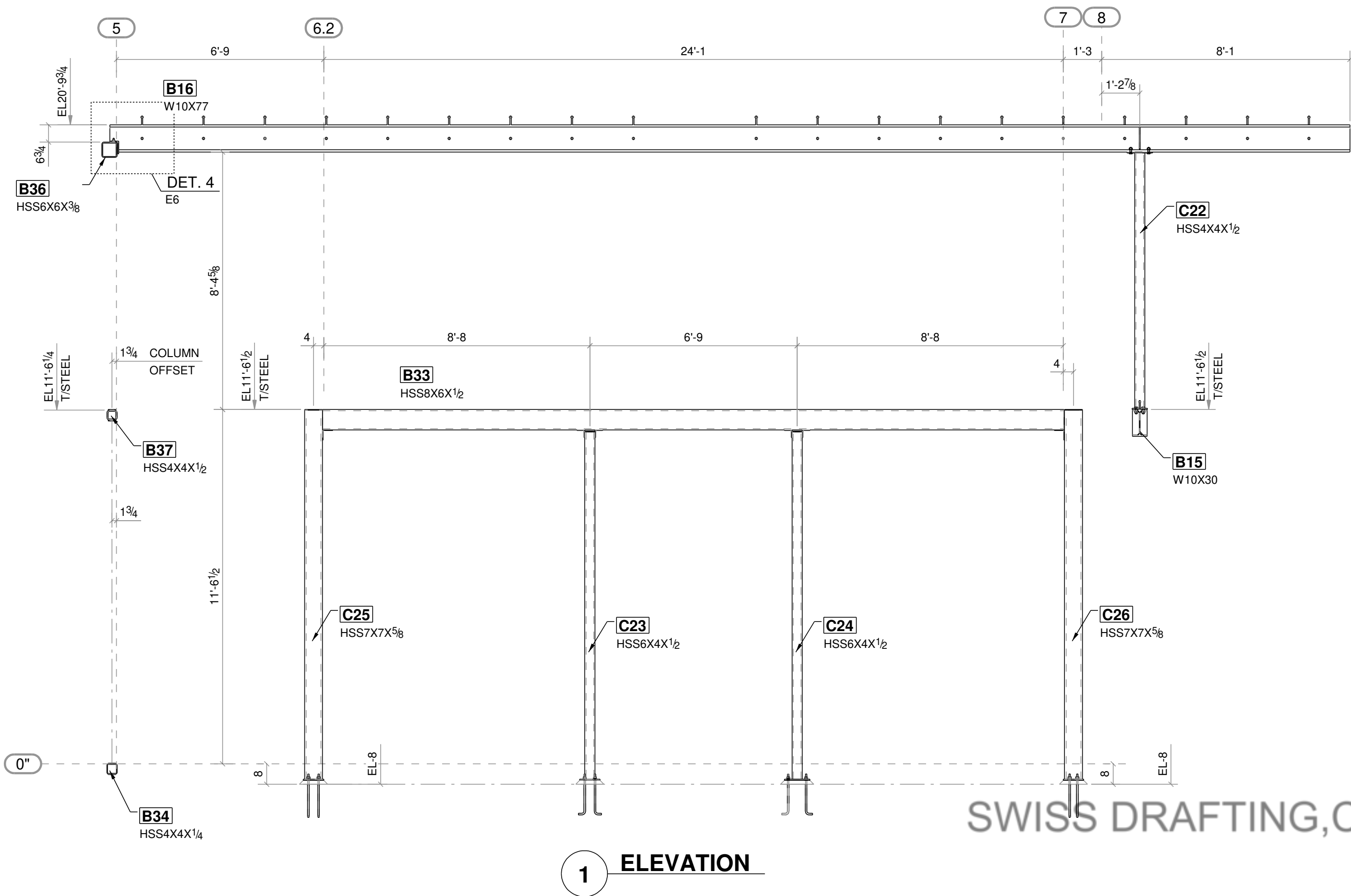


5 SECTION

NOTE TO APPROVER:
1.DETAILED SHOP DWGs ARE NOT SUBMITTED AT THIS POINT AS WE WOULD LIKE APPROVAL OF DESIGN CONMCEPT PRIOR TO CREATING DETAIL DWGS.
2. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
3. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs

F	05/01/2024	ISSUED FOR FINAL REVIED
E	03/07/2024	REVISED PER MARKUPS DATED 03/05/24
D	03/01/2024	REVISED PER MARKUPS DATED 02/26/24
C	02/03/2024	REVISED PER MARKUPS DATED 01/10/24
B	12/21/2023	ISSUED FOR APPROVAL
A	12/21/2023	NEW SHEET

PROJECT NAME & LOCATION				
DRAI RESIDENCE				
2700 WOODSTOCK ROAD, LOS ANGELES				
DWG. TITLE: ELEVATIONS				
CUSTOMER:				
MATERIAL:		HOLE SIZE:	13/16 DIA. U/N	DRAWN BY: RH
W SHAPES:				DATE: 12/12/2023
PIPES:				
HSS SHAPES:		ELECTRODES:	E70XX	CHK'D BY: EU
PLATES/CHANNELS:				DATE: 12/19/2023
		FINISH:	AS PER SPEC.	DWG. NO.
				REVISION
JOB NO.		BOLT:	A325N	E5 F

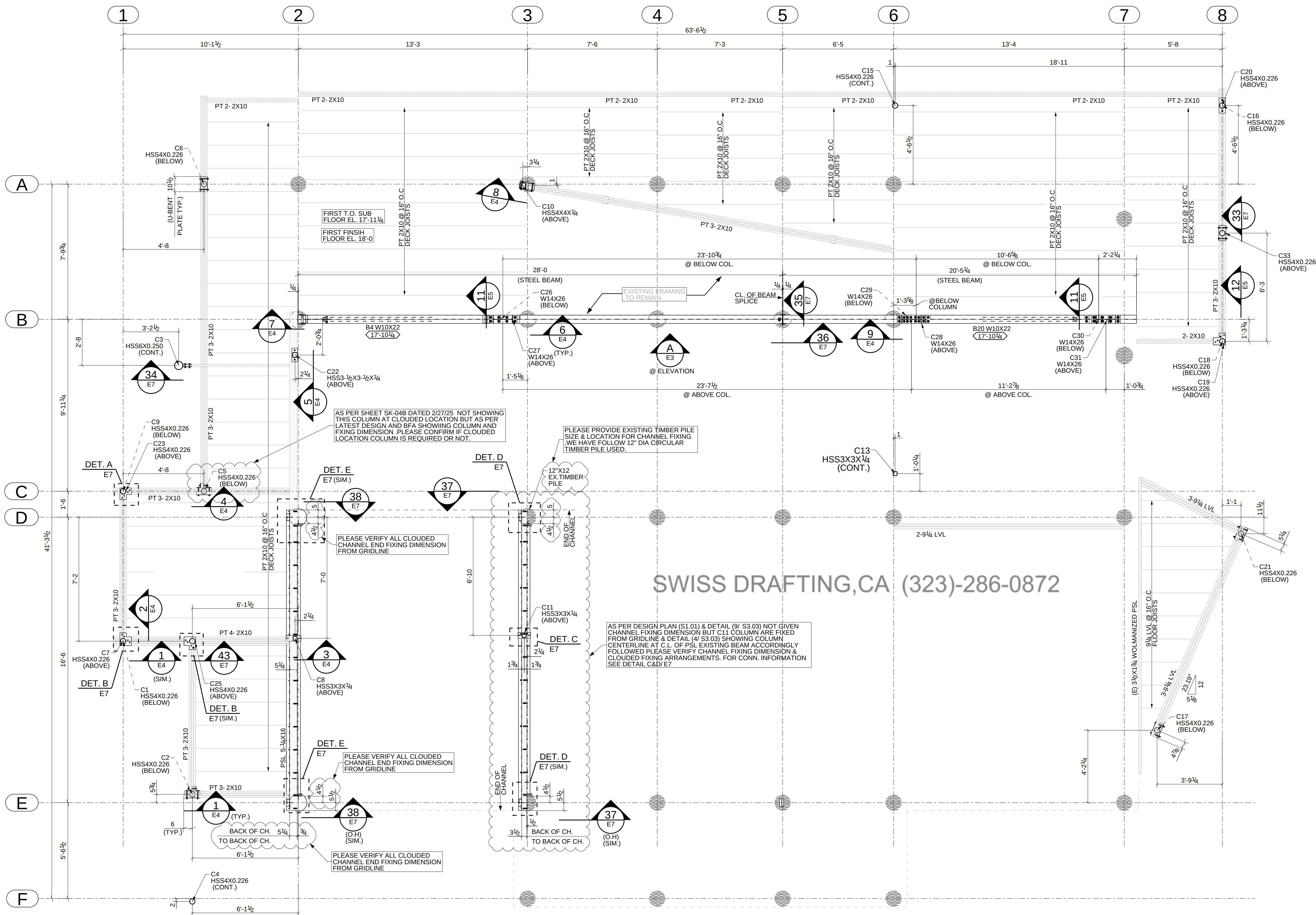


NOTE TO APPROVER:
1. DETAILED SHOP DWGS ARE NOT SUBMITTED AT THIS POINT AS WE WOULD LIKE APPROVAL OF DESIGN CONCEPT PRIOR TO CREATING DETAIL DWGS. DETAILED SHOP DWGS WILL BE CREATED BASED ON APPROVAL COMMENTS OF THESE ERECTION DWGS.
2. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
3. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS

F	05/01/2024	ISSUED FOR FINAL REVIED
E	03/07/2024	REVISED PER MARKUPS DATED 03/05/24
D	03/01/2024	REVISED PER MARKUPS DATED 02/26/24
C	02/03/2024	REVISED PER MARKUPS DATED 01/10/24
B	12/21/2023	ISSUED FOR APPROVAL
A	12/21/2023	NEW SHEET

PROJECT NAME & LOCATION				
DRAI RESIDENCE				
2700 WOODSTOCK ROAD, LOS ANGELES				
DWG. TITLE: ELEVATIONS				
CUSTOMER:				
MATERIAL:	HOLE SIZE:	13/16 DIA. U/IN	DRAWN BY: RH	DATE: 12/12/2023
W SHAPES: A53 Gr. B PIPES: A992 HSS SHAPES: A500, Gr. B PLATES/CHANNELS: A36	ELECTRODES:	E70XX	CHK'D BY: EU	DATE: 12/19/2023
FINISH:	AS PER SPEC.	DWG. NO.	REVISION	
JOB NO.	BOLT:	A325N	E6	F





LEGEND:-
(VIF)= VERIFY IN FIELD
(C.L.)= CENTERLINE
(O.H.)= OPPOSITE HAND
(SIM.)= SIMILAR
(TYP.)= TYPICAL
(T.O.STEEL)= TOP OF STEEL

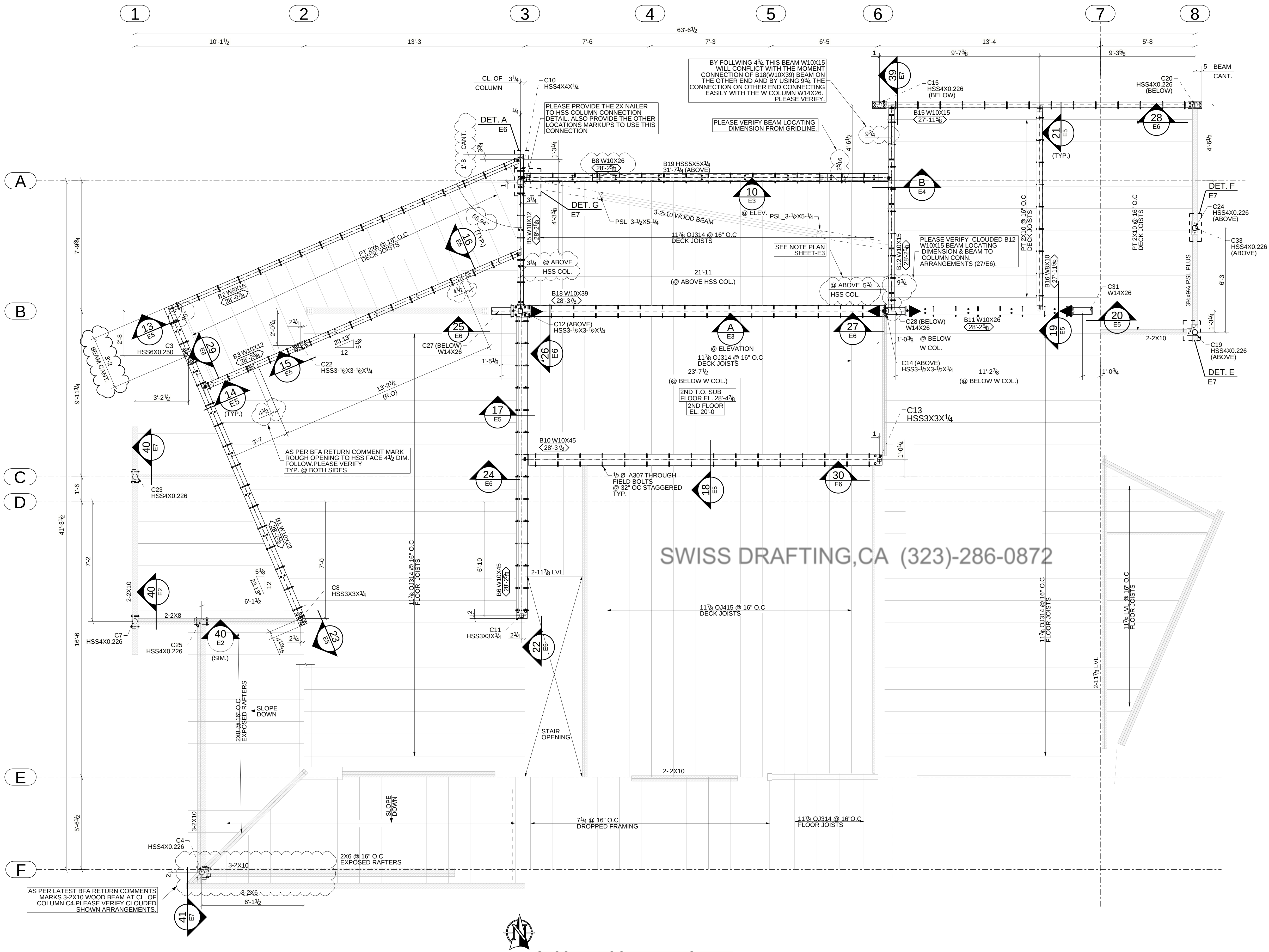
APPROVER NOTE:
1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

FIRST FLOOR FRAMING PLAN
(REF:- S1.01 & A1.1)

- GENERAL NOTES:
- DATUM ELEVATION = 12'-11"
 - ALL ELEVATIONS ARE GIVEN FROM DATUM ELEVATION
 - TOP OF BEAM DENOTED ON PLAN BY XX'-X"
 - ALL BEAM/COLUMNS DIMENSIONS ARE TO THE C.L. TYP. UNO
 - ALL CHANNEL, ANGLE DIMENSIONS TO THE BACK TYP. UNO
 - CONT. REFER TO COLUMNS GOING TILL ROOF LEVEL
 - PLEASE REFER COLUMNS PROFILE FROM F1 LAYOUT.

D	FOR RE-APPROVAL	03/15/2025
C	FOR RE-APPROVAL	01/28/2025
B	FOR RE-APPROVAL	11/12/2024
A	FOR APPROVAL	10/27/2024
REV	DESCRIPTION	DATE

Walsh Steel and Iron Works Inc. P.O. Box 3927 Plymouth, Mass 02361			
DESCRIPTION	FIRST FLOOR FRAMING PLAN		
PROJECT NAME	PRIVATE RESIDENCE		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	10/21/2024		E1



PLAN NORTH SECOND FLOOR FRAMING PLAN
(FOR ERECTION ONLY) (REF.: S1.02 & A1.2)

- GENERAL NOTES:
1. DATUM ELEVATION = 12'-11"
 2. ALL ELEVATIONS ARE GIVEN FROM DATUM ELEVATION
 3. TOP OF BEAM DEVOTED ON PLAN BY XX'-X"
 4. ALL BEAM/COLUMNS DIMENSIONS ARE TO THE C.L. TYP. UNO
 5. PLEASE REFER COLUMNS PROFILE FROM F1 LAYOUT.
 6. CONT. REFER TO COLUMNS GOING TILL ROOF LEVEL
 7. ◀ DENOTES MOMENT CONNECTION

LEGEND:-

(VIF)= VERIFY IN FIELD
(C.L.)= CENTERLINE
(O.H)= OPPOSITE HAND
(SIM.)= SIMILAR
(TYP.)= TYPICAL
(T.O.STEEL)= TOP OF STEEL
(CANT.)=CANTILEVER
(SK) = SKEW

APPROVER NOTE:

1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

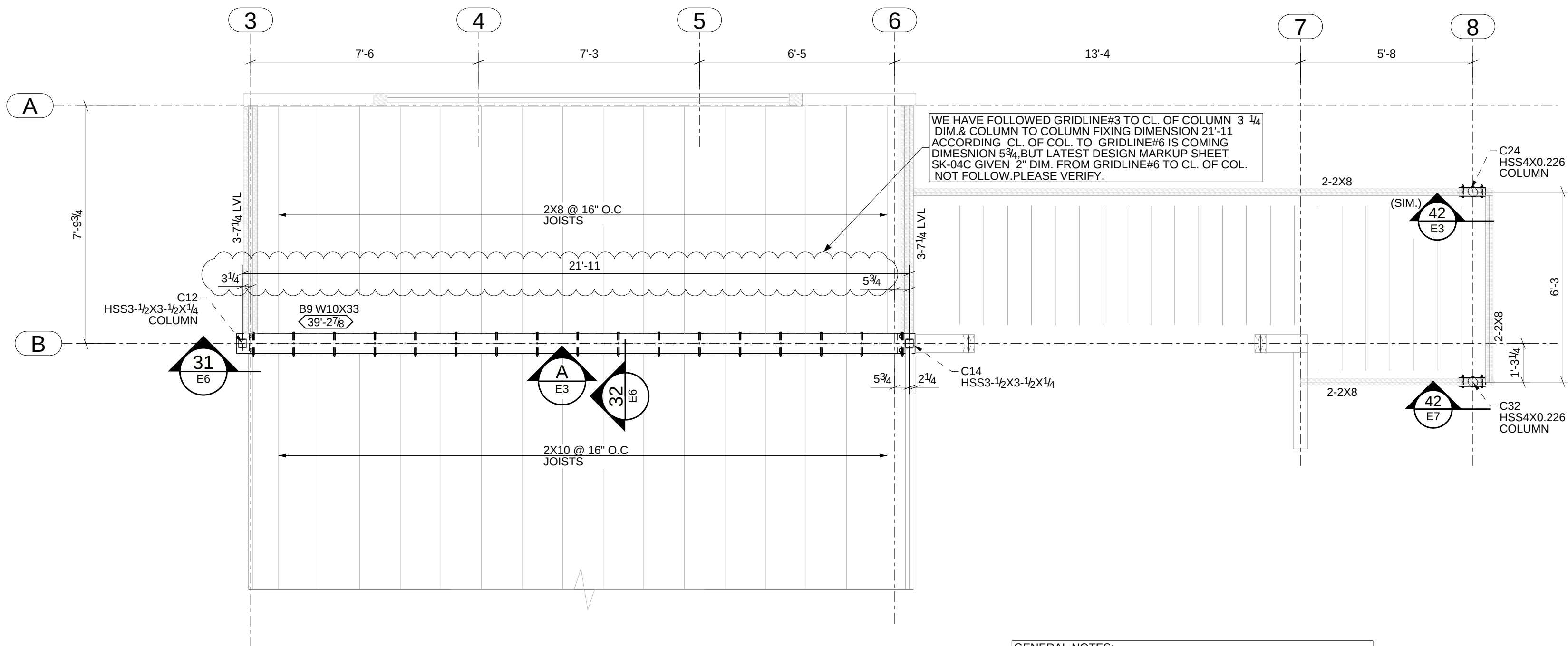
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

D	FOR RE-APPROVAL	03/15/2025
C	FOR RE-APPROVAL	01/28/2025
B	FOR RE-APPROVAL	11/12/2024
A	FOR APPROVAL	10/27/2024
REV	DESCRIPTION	DATE

Walsh Steel and Iron Works Inc.

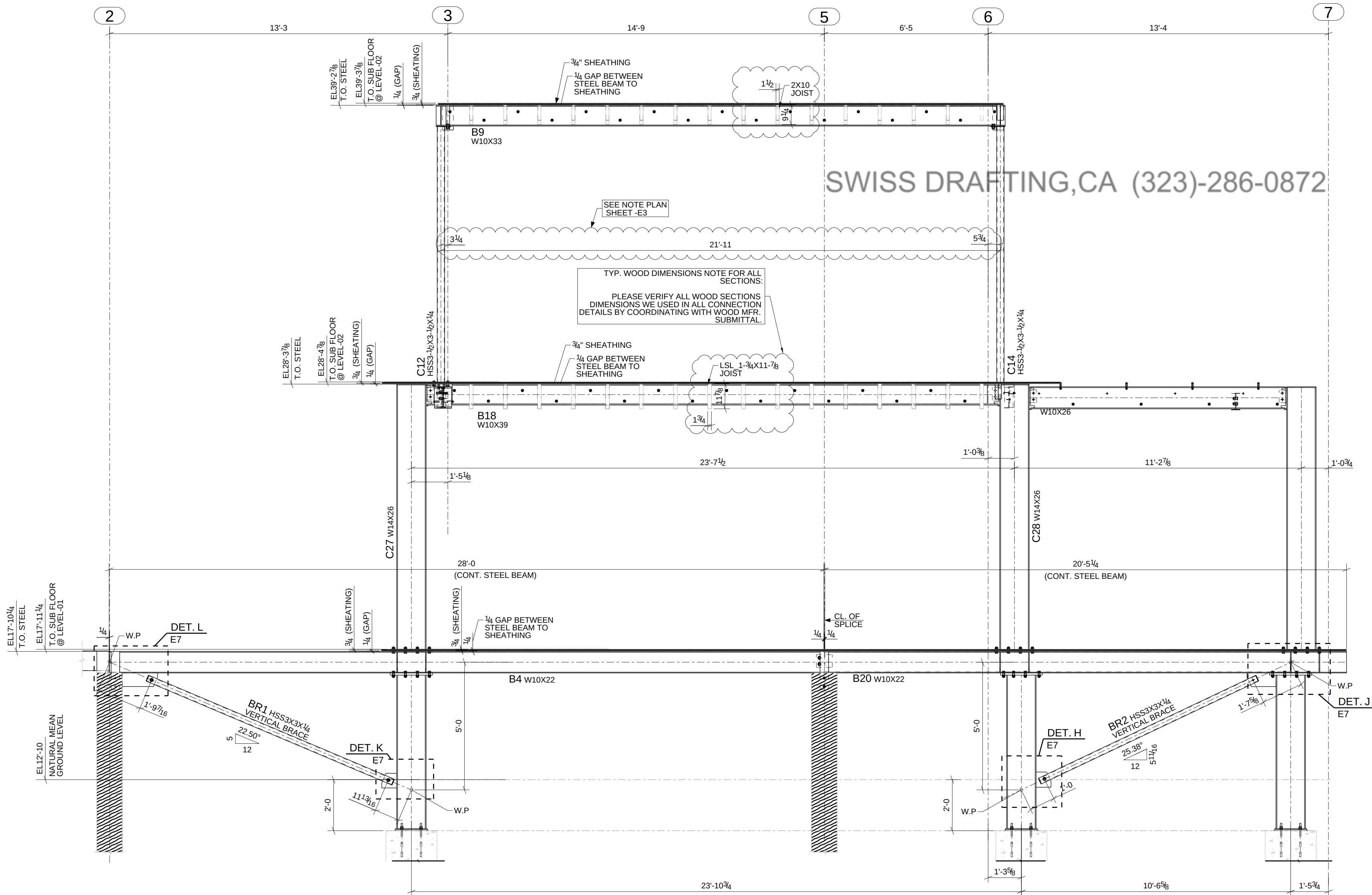
P.O. Box 3927
Plymouth, Mass 02361

DESCRIPTION	SECOND FLOOR FRAMING PLAN		
PROJECT NAME	PRIVATE RESIDENCE		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	10/23/2024		E2



ROOF FRAMING PLAN
(REF: S1.03)

- GENERAL NOTES:
- DATUM ELEVATION = 12'-11"
 - ALL ELEVATIONS ARE GIVEN FROM DATUM ELEVATION
 - TOP OF BEAM DENOTED ON PLAN BY XX'-X"
 - ALL BEAM/COLUMNS DIMENSIONS ARE TO THE C.L. TYP. UNO



A-E3

LEGEND:-
(VF)= VERIFY IN FIELD
(C.L.)= CENTERLINE
(O.H.)= OPPOSITE HAND
(SIM.)= SIMILAR
(TYP.)= TYPICAL
(T.O.STEEL)= TOP OF STEEL
(CANT.)=CANTILEVER

- APPROVER NOTE:
- THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
 - ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

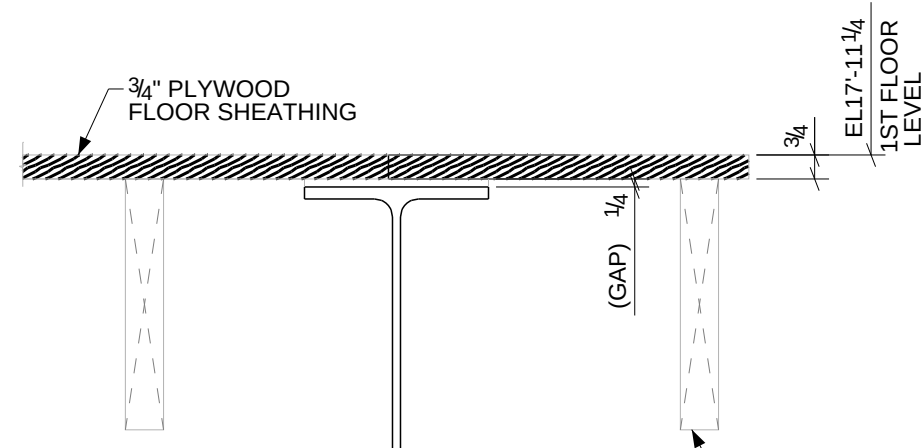
D	FOR RE-APPROVAL	03/15/2025
C	FOR RE-APPROVAL	01/28/2025
B	FOR RE-APPROVAL	11/12/2024
A	FOR APPROVAL	10/27/2024
REV	DESCRIPTION	DATE

Walsh Steel and Iron Works Inc.

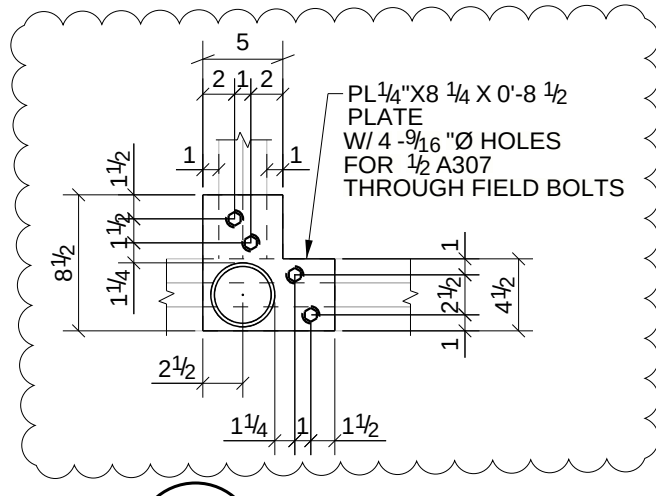
P.O. Box 3927
Plymouth, Mass 02361

DESCRIPTION	ROOF FRAMING PLAN & ELEVATIONS		
PROJECT NAME	PRIVATE RESIDENCE		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	10/23/2024		E3

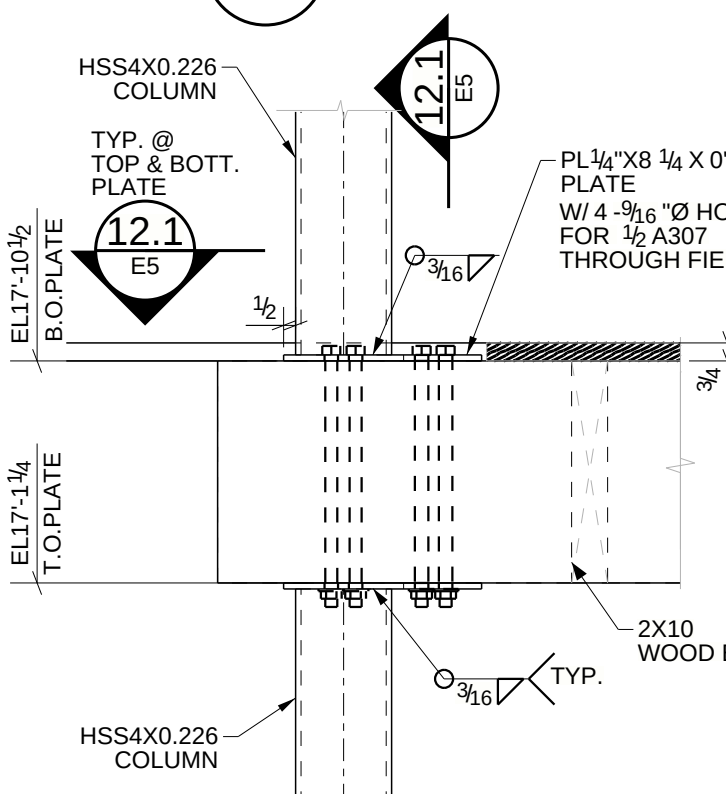




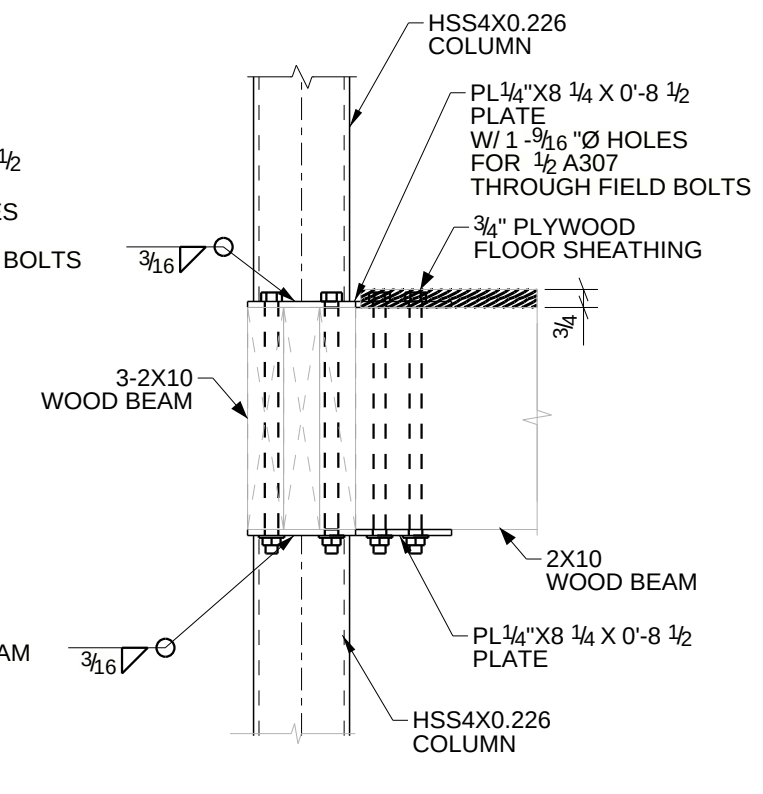
11 SECTION
E5 (REF:- 2/S3.02)



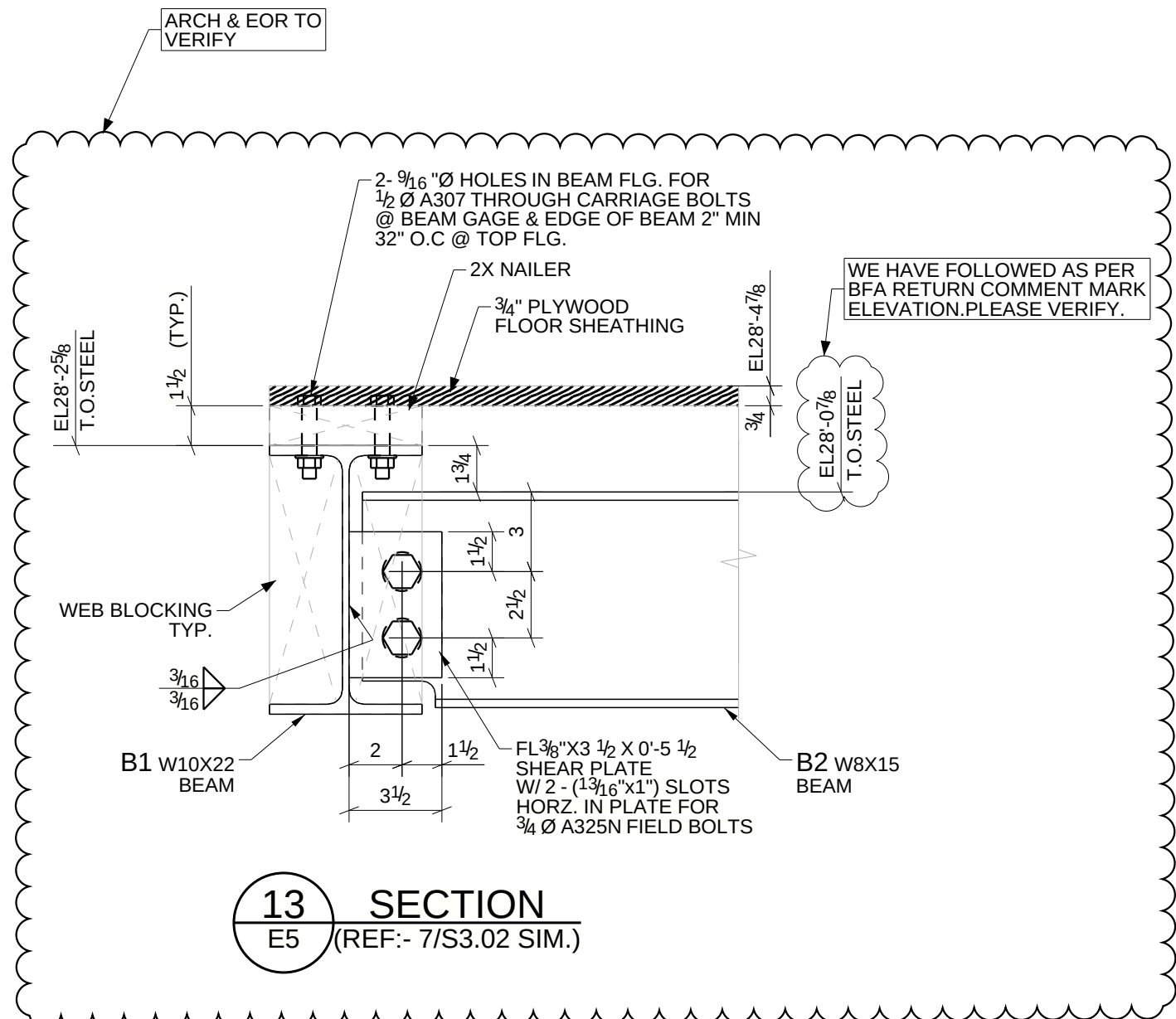
12.1 SECTION
E5



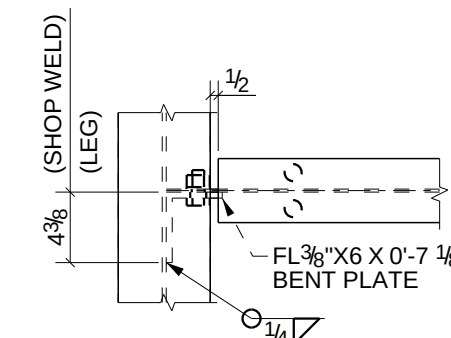
12 SECTION
E5



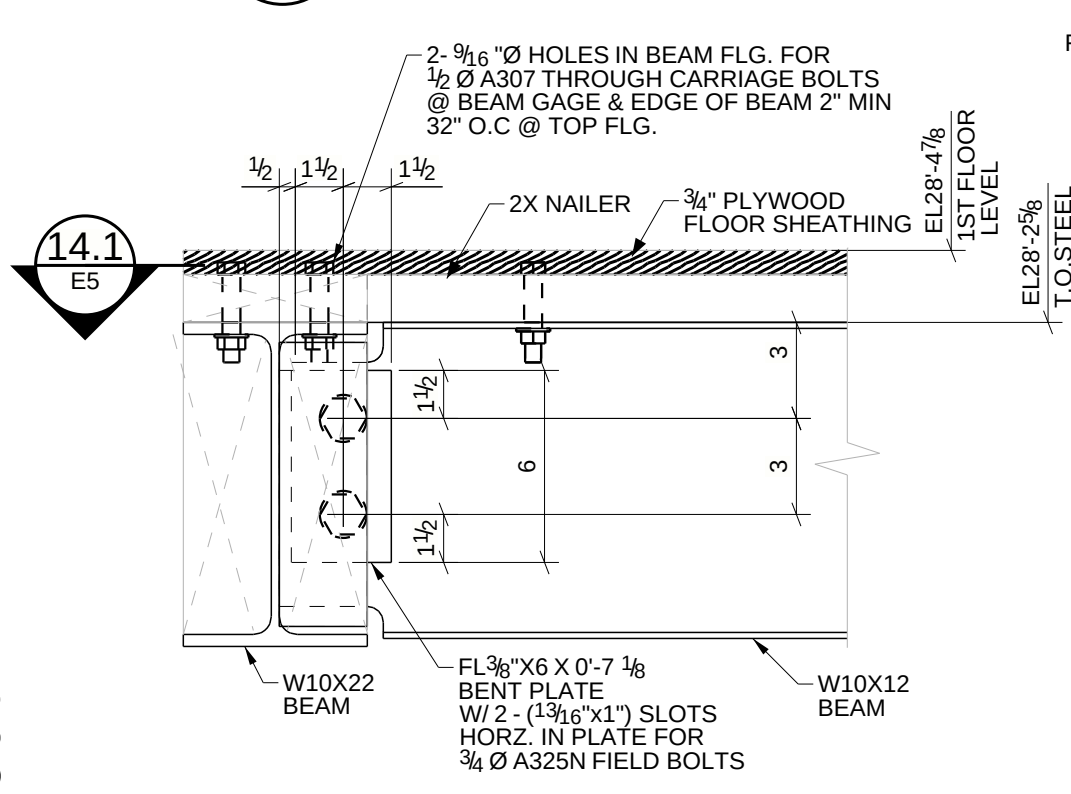
12.1 SECTION
E5



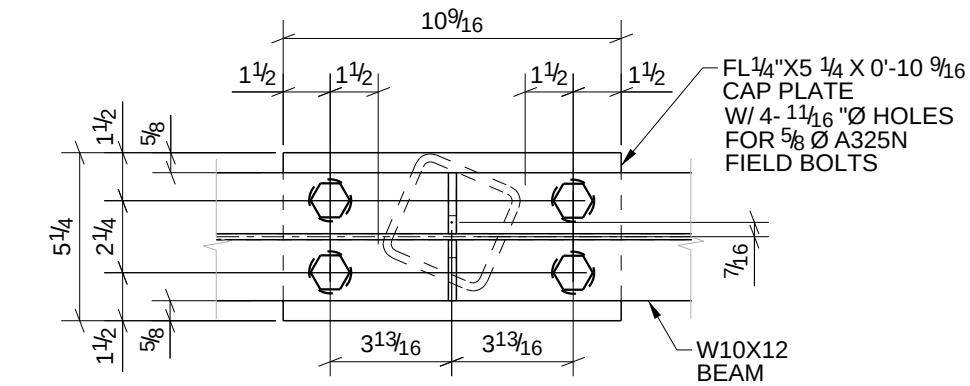
13 SECTION
E5 (REF:- 7/S3.02 SIM.)



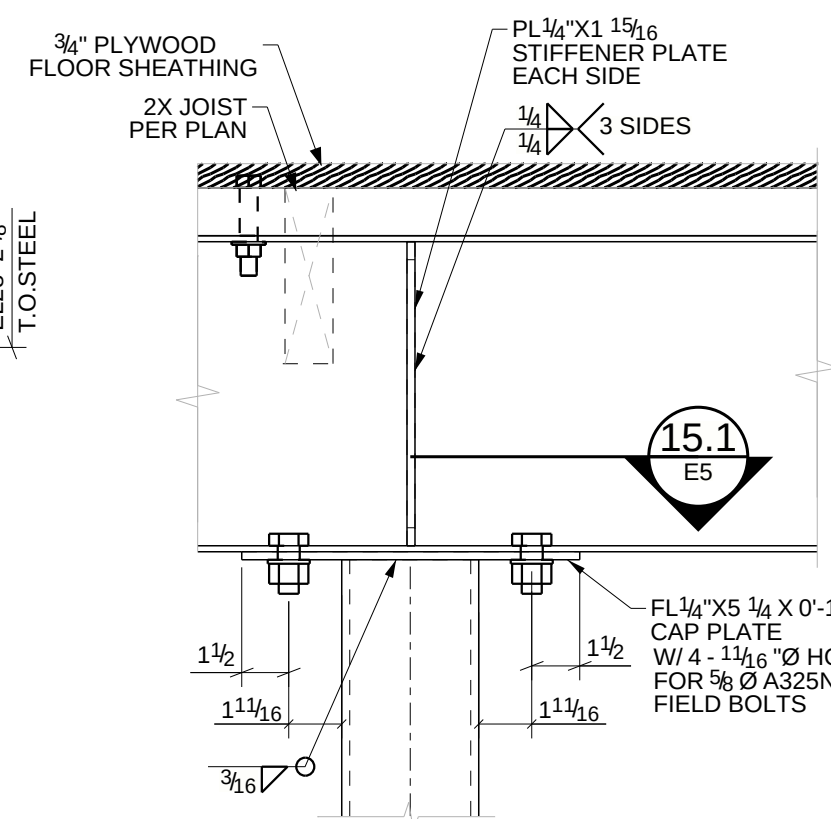
14.1 SECTION
E5



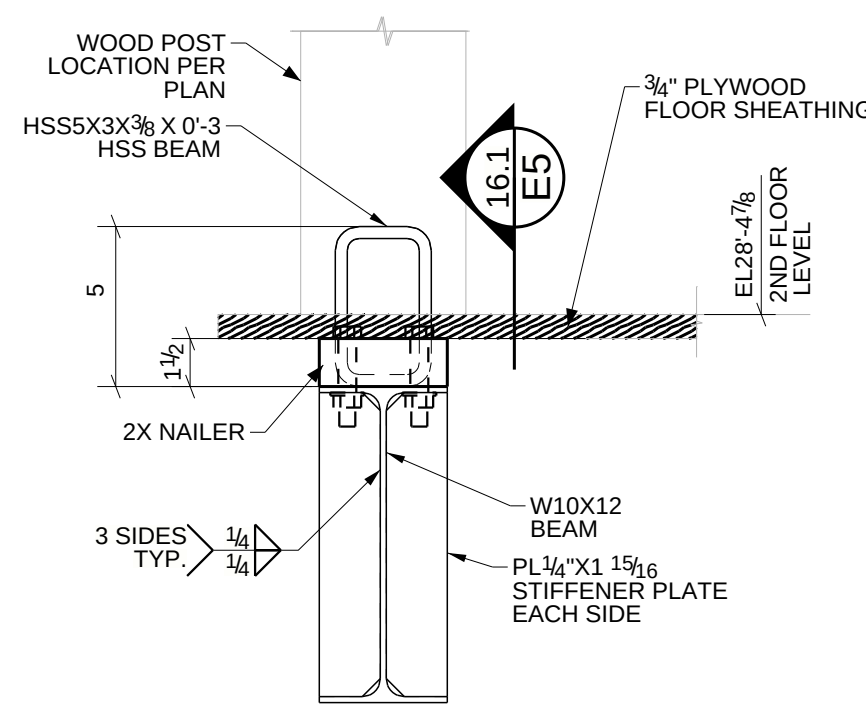
14 SECTION
E5 (REF:- 7/S3.02 SIM.)



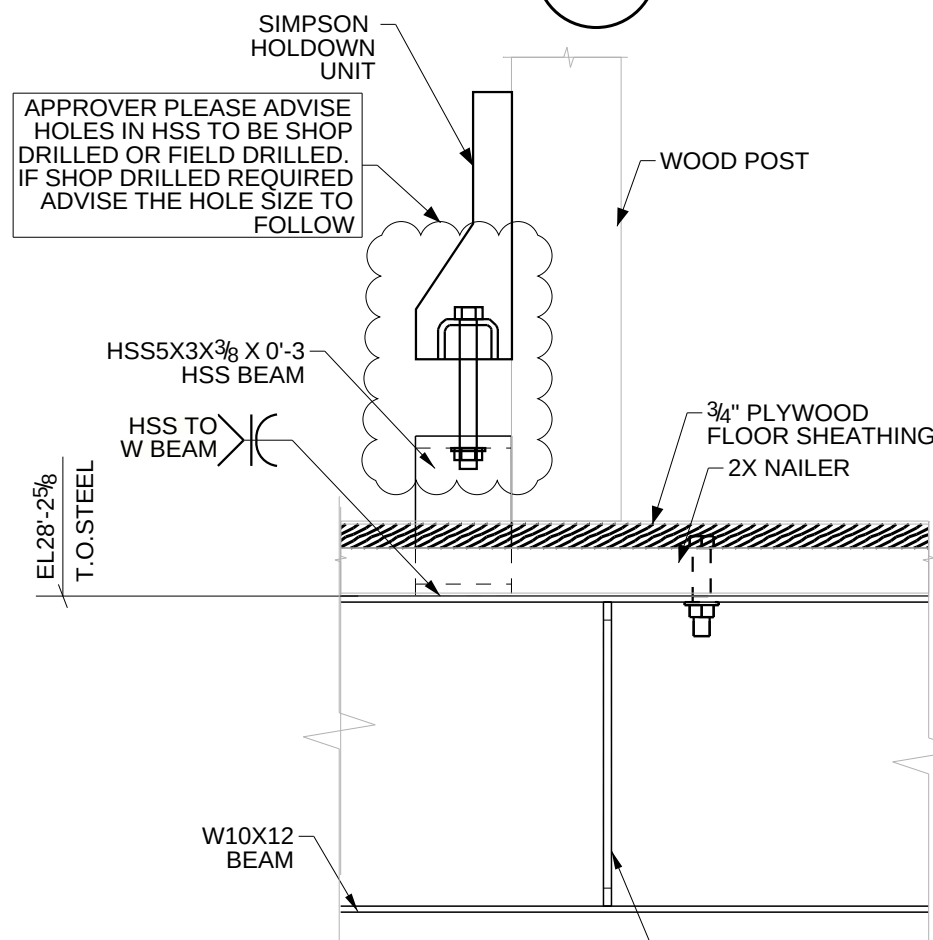
15.1 SECTION
E5



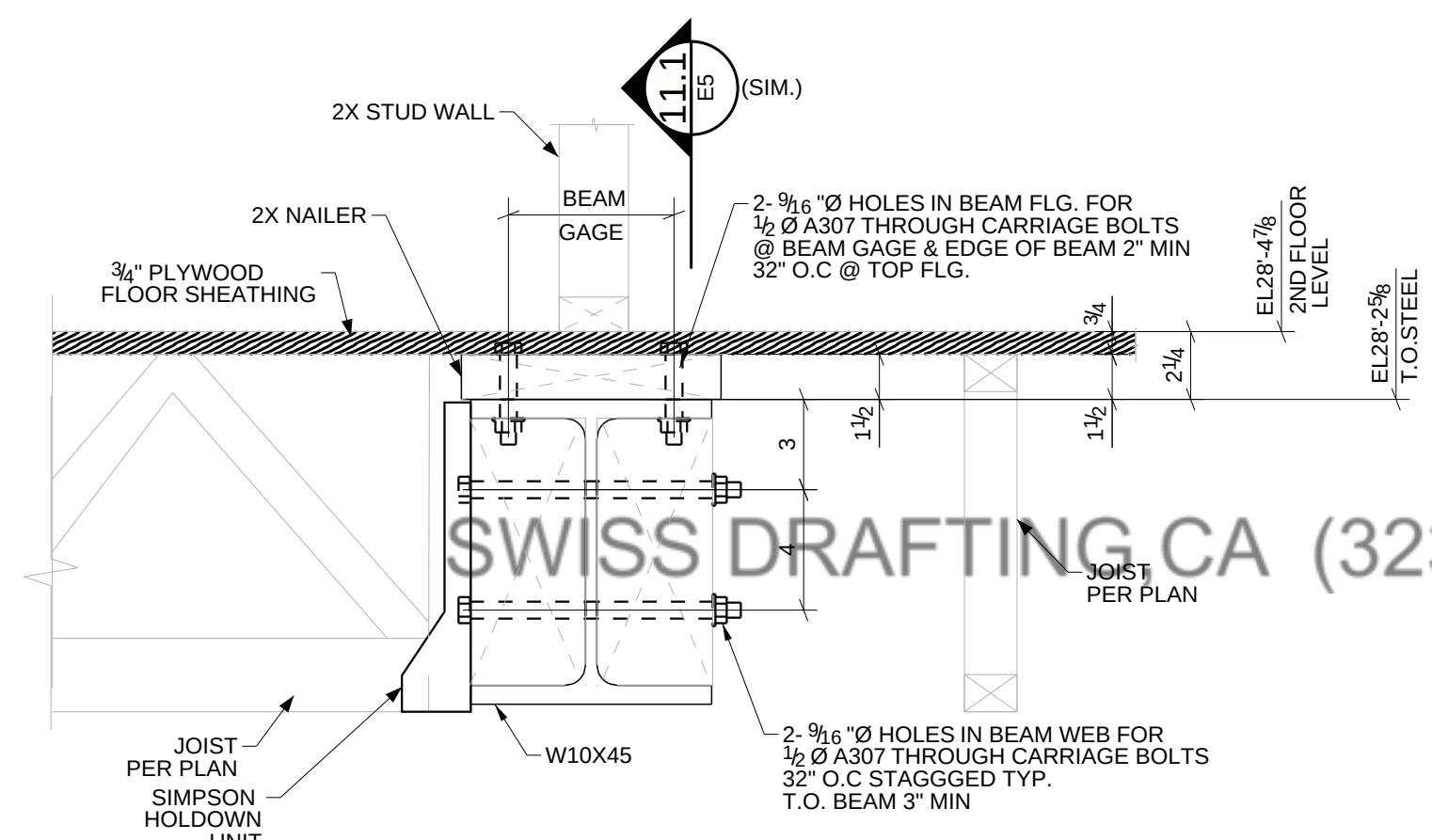
15 SECTION
E5 (REF:- 6/S3.02 SIM.)



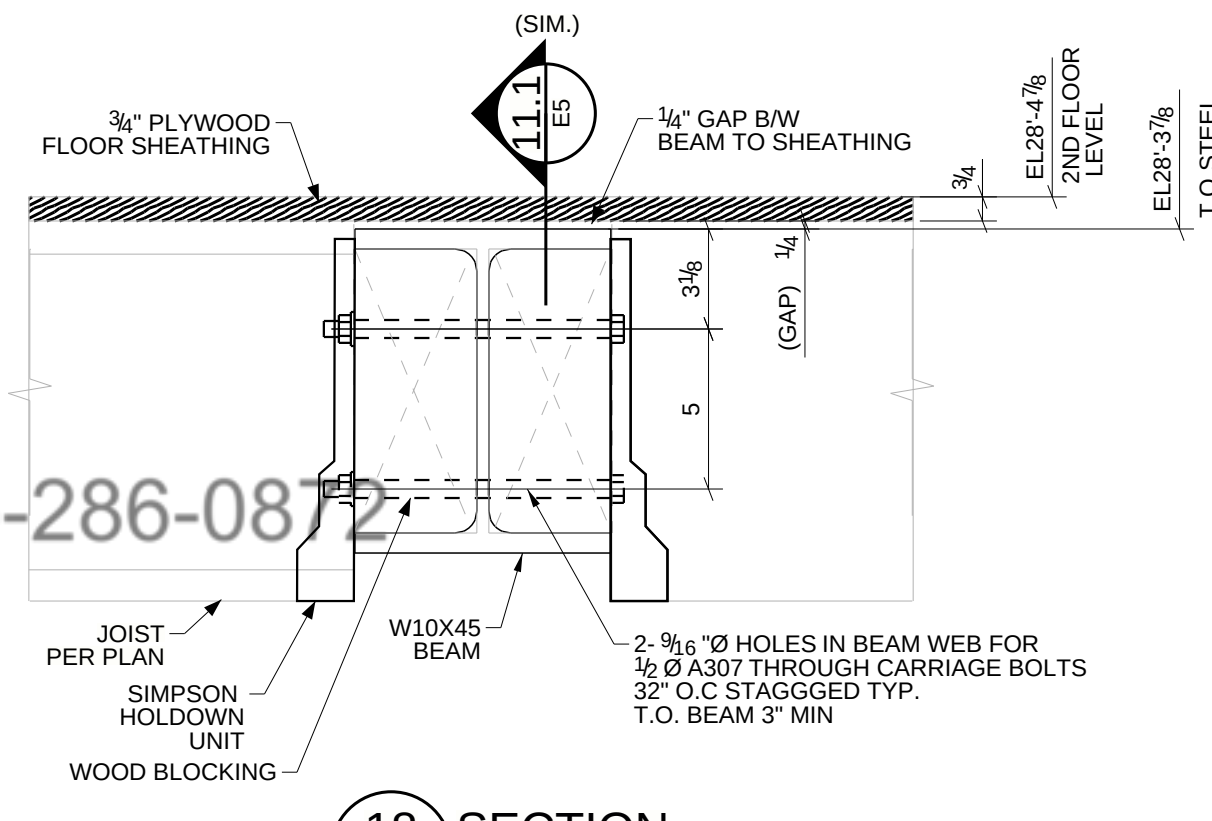
16 SECTION
E5 (REF:- 8/S3.03)



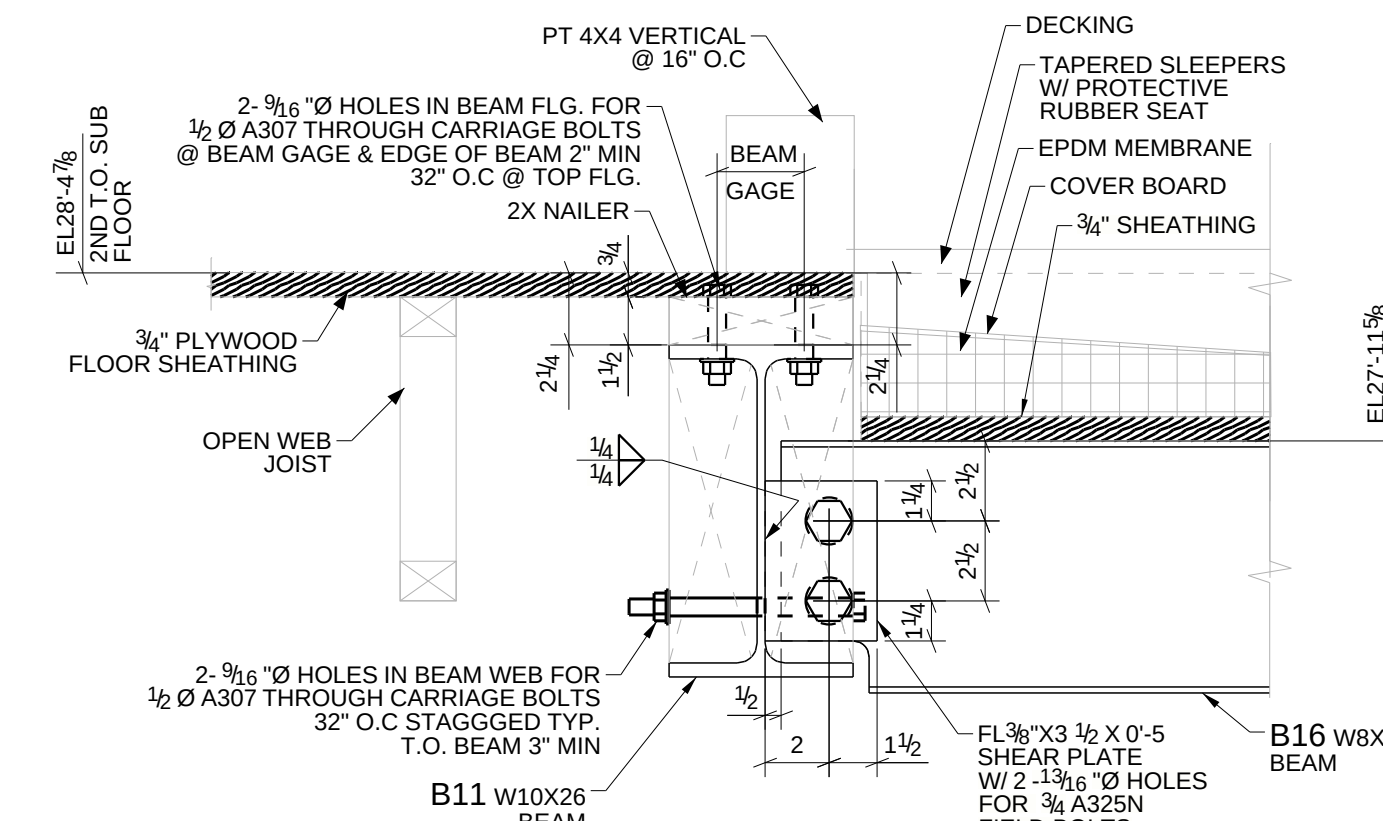
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E5 (REF:- 8/S3.03)



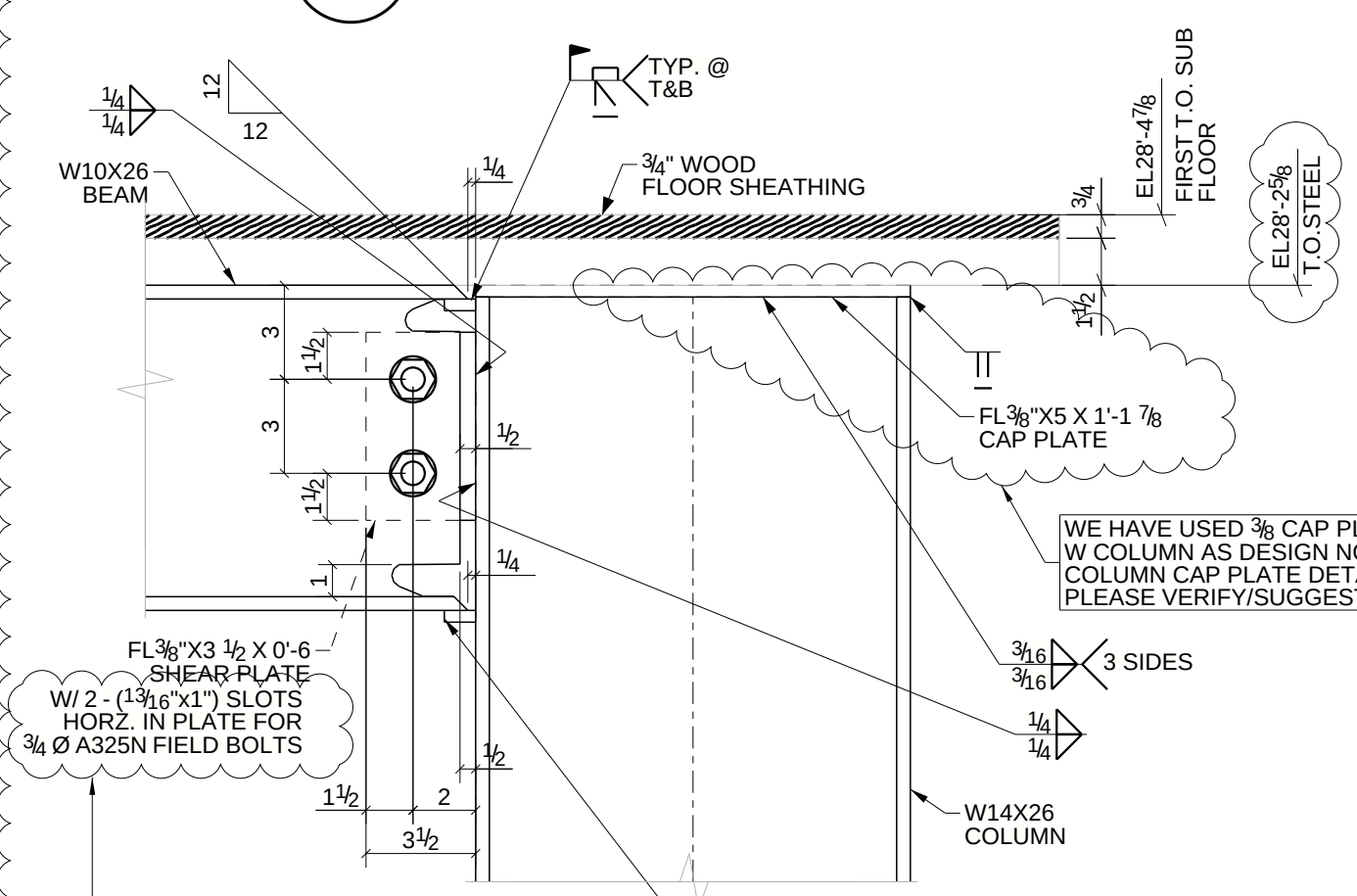
17 SECTION
E5 (REF:- 3/S3.02)



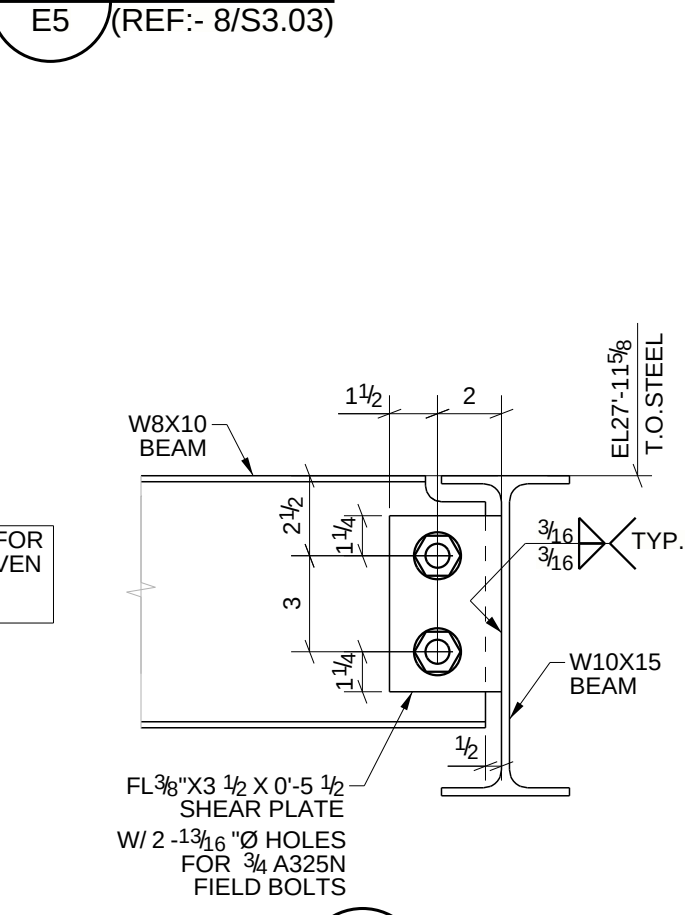
18 SECTION
E5 (REF:- 2/S3.02)



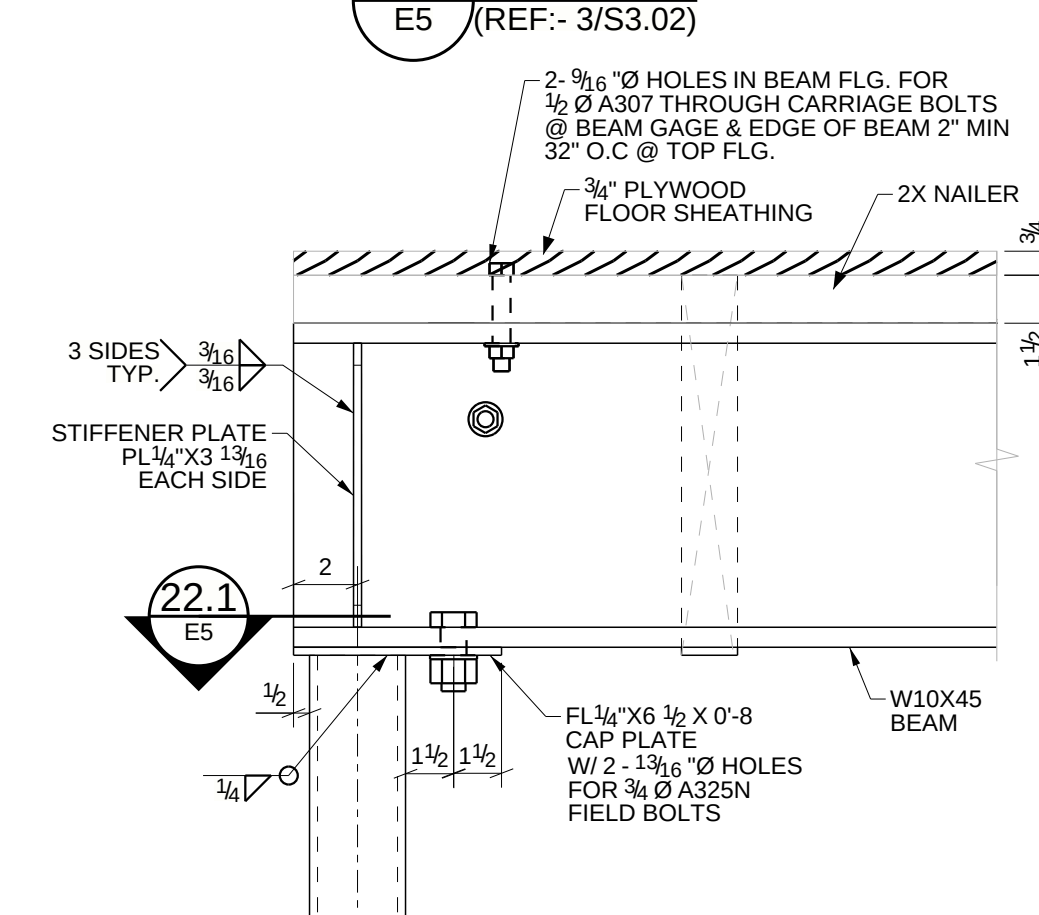
19 SECTION
E5 (REF:- 8/S3.02 & 2/S4.0)



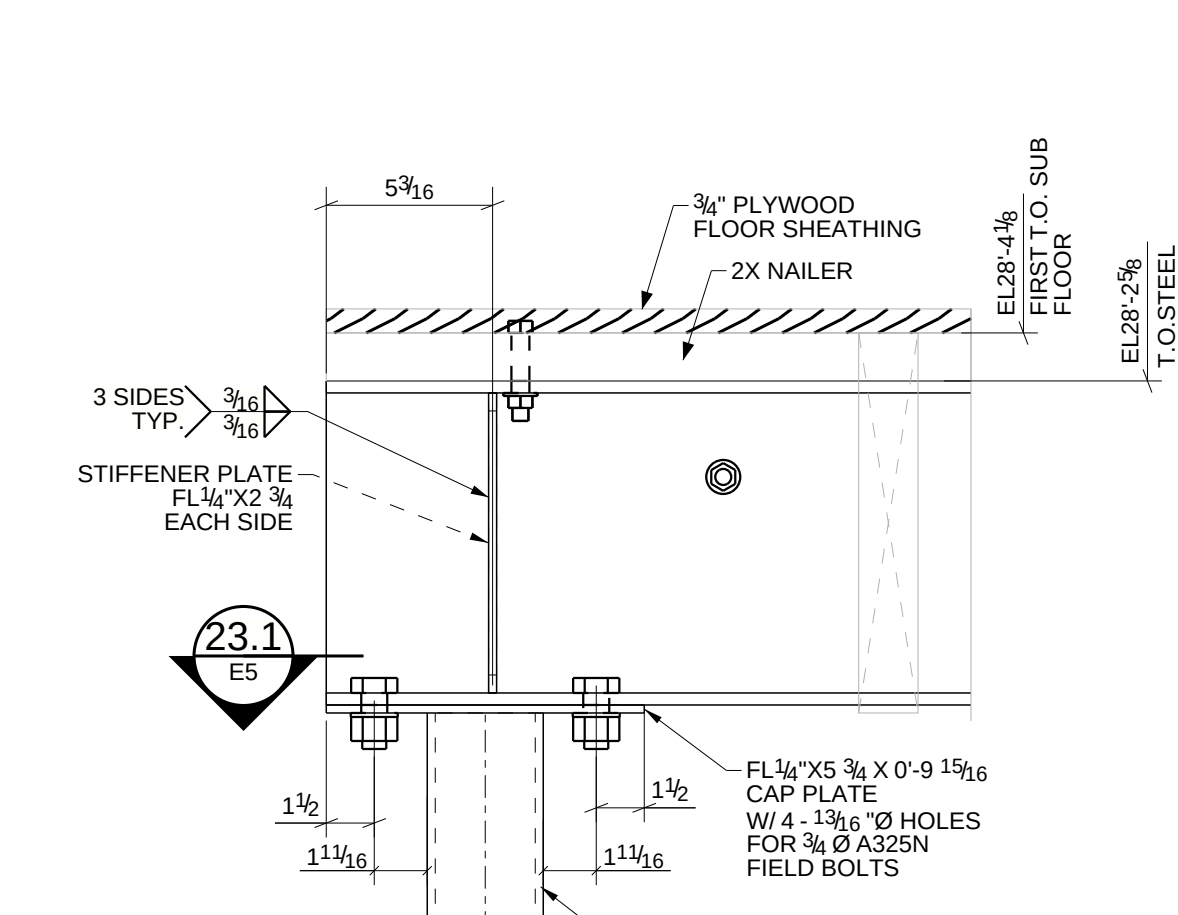
20 SECTION
E5 (REF:- 5/S3.02)



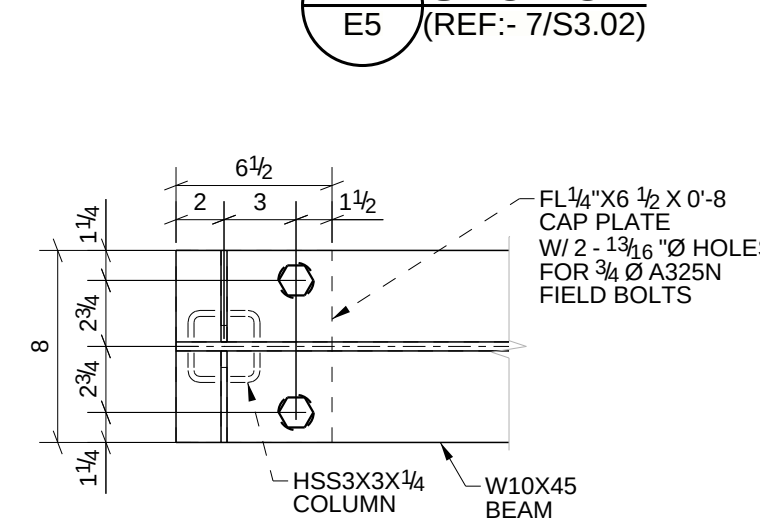
21 SECTION
E5 (REF:- 7/S3.02)



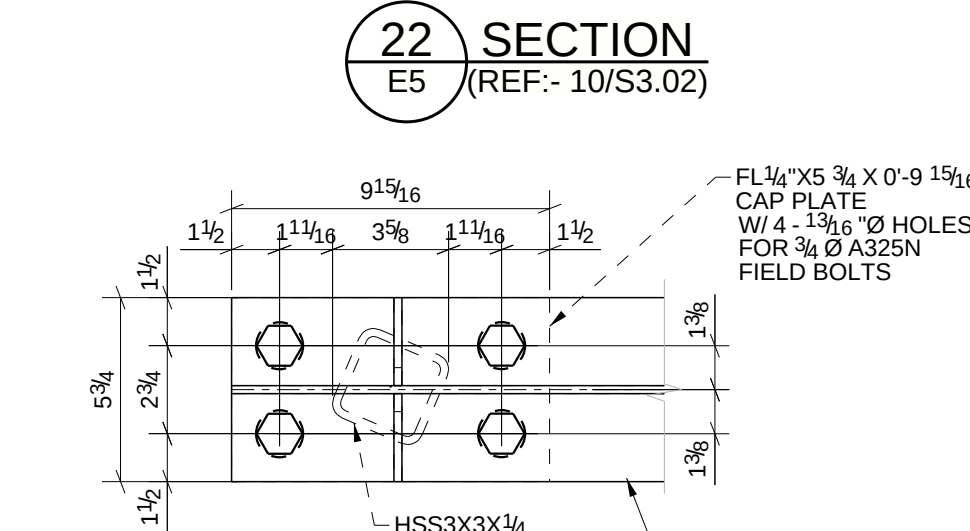
22 SECTION
E5 (REF:- 10/S3.02)



23 SECTION
E5 (REF:- 10/S3.02 SIM.)



22.1 SECTION
E5



23.1 SECTION
E5

NOTE TO EOR:
1) PLEASE VERIFY ALL CONNECTION DETAILS AS DRAWN ON THIS SHEET.
2) PLEASE REFER INDIVIDUAL SHOP DETAILS TO REFER THE CONNECTIONS TO VERIFY.

APPROVER NOTE:
1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

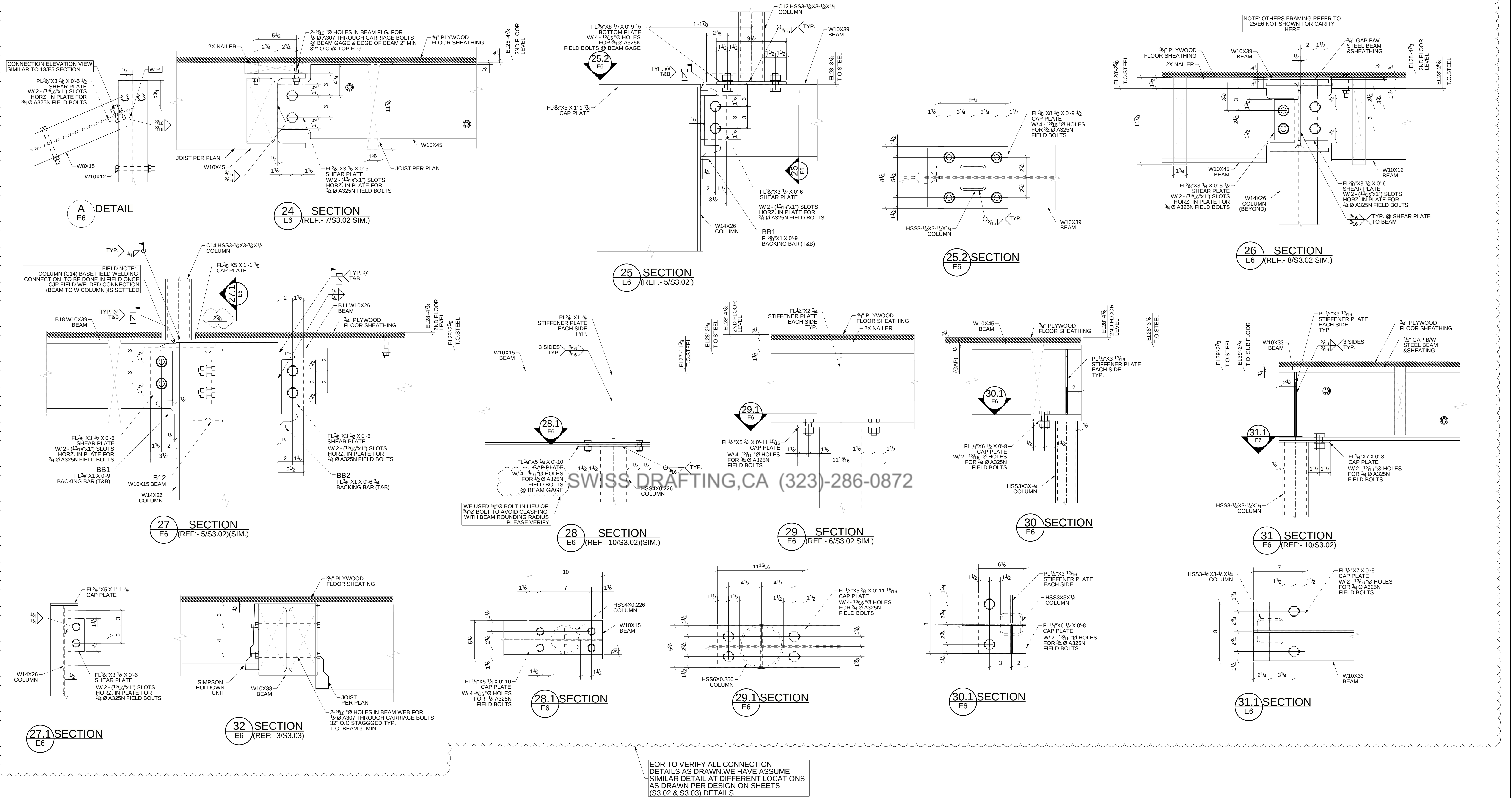
EOR TO VERIFY ALL CONNECTION DETAILS AS DRAWN WE HAVE ASSUME SIMILAR DETAIL AT DIFFERENT LOCATIONS AS DRAWN PER DESIGN ON SHEETS (S3.02 & S3.03) DETAILS.

D	FOR RE-APPROVAL	03/15/2025
C	FOR RE-APPROVAL	01/28/2025
B	FOR RE-APPROVAL	11/12/2024
A	FOR APPROVAL	10/27/2024
REV	DESCRIPTION	DATE

Walsh Steel and Iron Works Inc.

P.O. Box 3927
Plymouth, Mass 02361

DESCRIPTION	SECTION & DETAILS		
PROJECT NAME	PRIVATE RESIDENCE		
DRAWN BY			JOB No.
DATE DRAWN	10/23/2024		DRG No. E5



EOR TO VERIFY ALL CONNECTION DETAILS AS DRAWN. WE HAVE ASSUME SIMILAR DETAIL AT DIFFERENT LOCATIONS AS DRAWN PER DESIGN ON SHEETS (S3.02 & S3.03) DETAILS.

NOTE TO EOR:

1) PLEASE VERIFY ALL CONNECTION DETAILS AS DRAWN ON THIS SHEET.

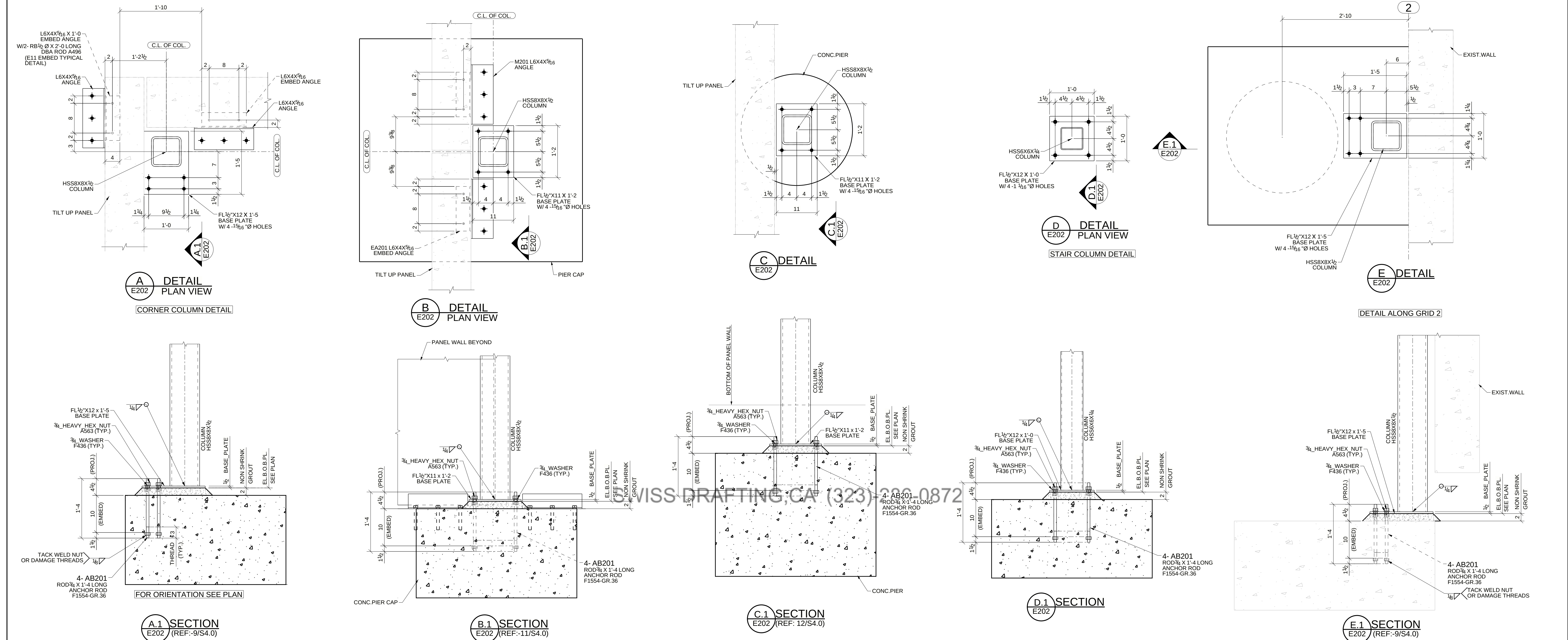
2) PLEASE REFER SHOP ASSEMBLY DRAWINGS FOR CONNECTION DETAIL AT INDIVIDUAL STEEL PIECES.

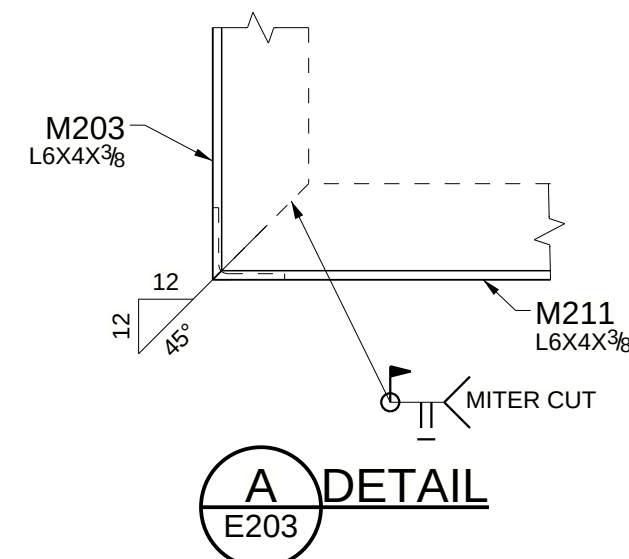
APPROVER NOTE:

1. THESE DWGS ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

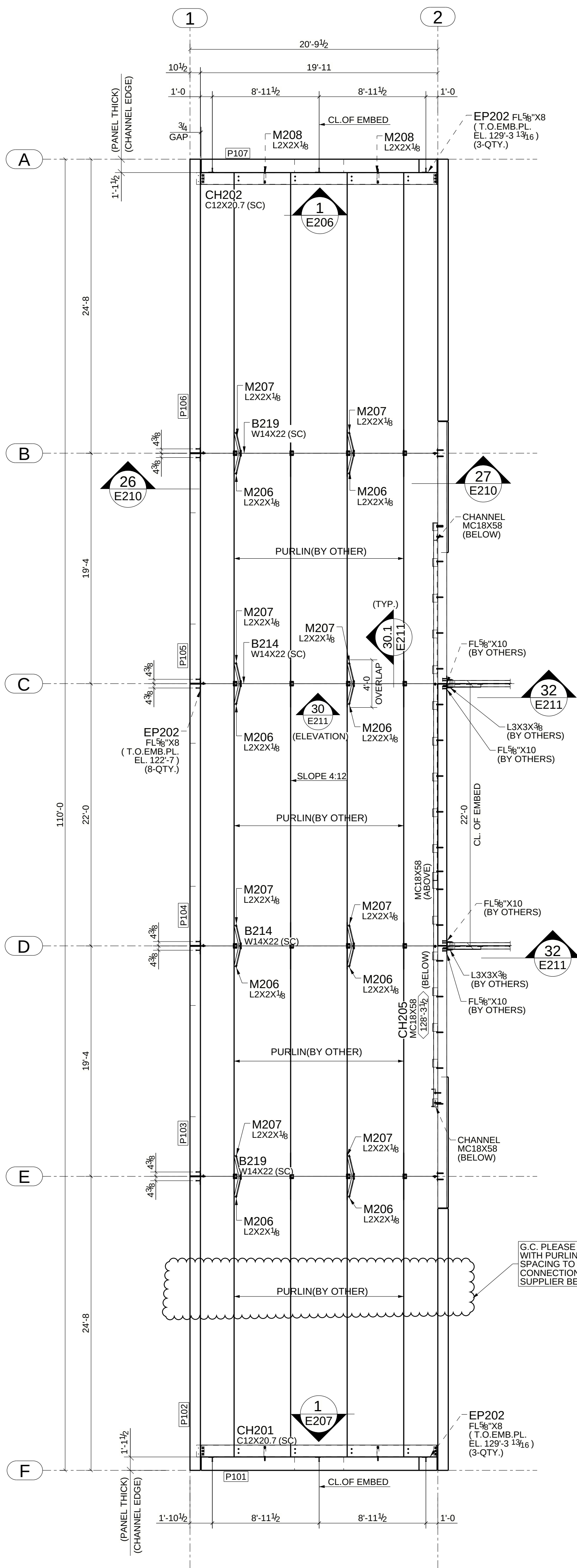
D	FOR RE-APPROVAL	03/15/2025
C	FOR RE-APPROVAL	01/28/2025
B	FOR RE-APPROVAL	11/12/2024
A	FOR APPROVAL	10/27/2024
REV	DESCRIPTION	DATE
Walsh Steel and Iron Works Inc.		
P.O. Box 3927 Plymouth, Mass 02361		
DESCRIPTION	SECTION & DETAILS	
PROJECT NAME	PRIVATE RESIDENCE	
DRAWN BY	JOB No.	DRG No. E6
DATE DRAWN		
10/23/2024		





APPROVER NOTE:
1. THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

D	FOR RE-APPROVAL	10/17/2025
C	FOR RE-APPROVAL	08/18/2025
B	FOR RE-APPROVAL	02/28/2025
A	FOR APPROVAL	02/12/2025
REV	DESCRIPTION	DATE
DESCRIPTION	FLOOR FRAMING PLAN	
PROJECT NAME	PARKWAY TRANSFER STATION	
DRAWN BY		JOB No.
DATE DRAWN	02/10/2025	
		DRG No.
		E203



ROOF FRAMING PLAN
(REF: 1/S1.4)



GENERAL NOTES:

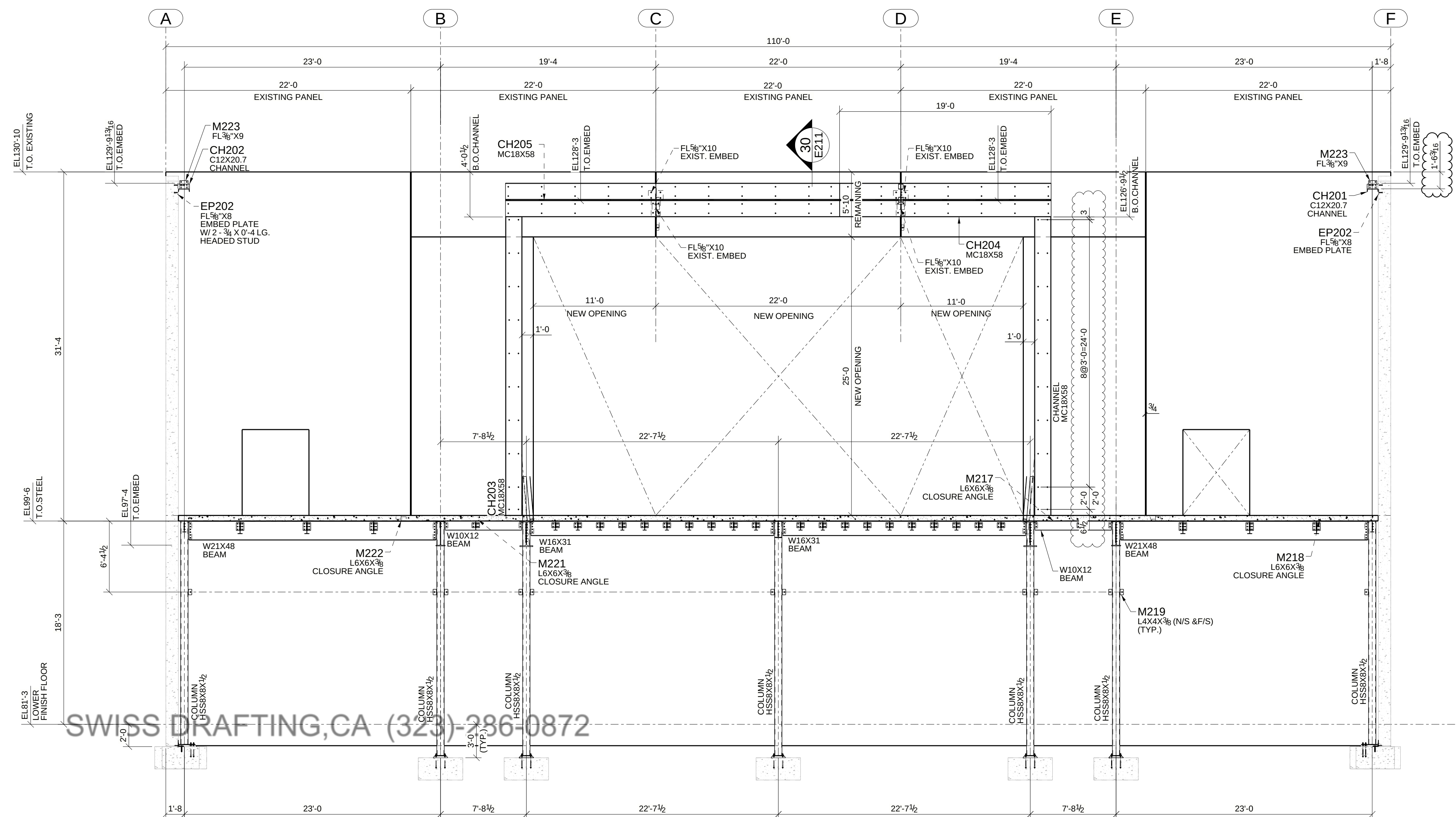
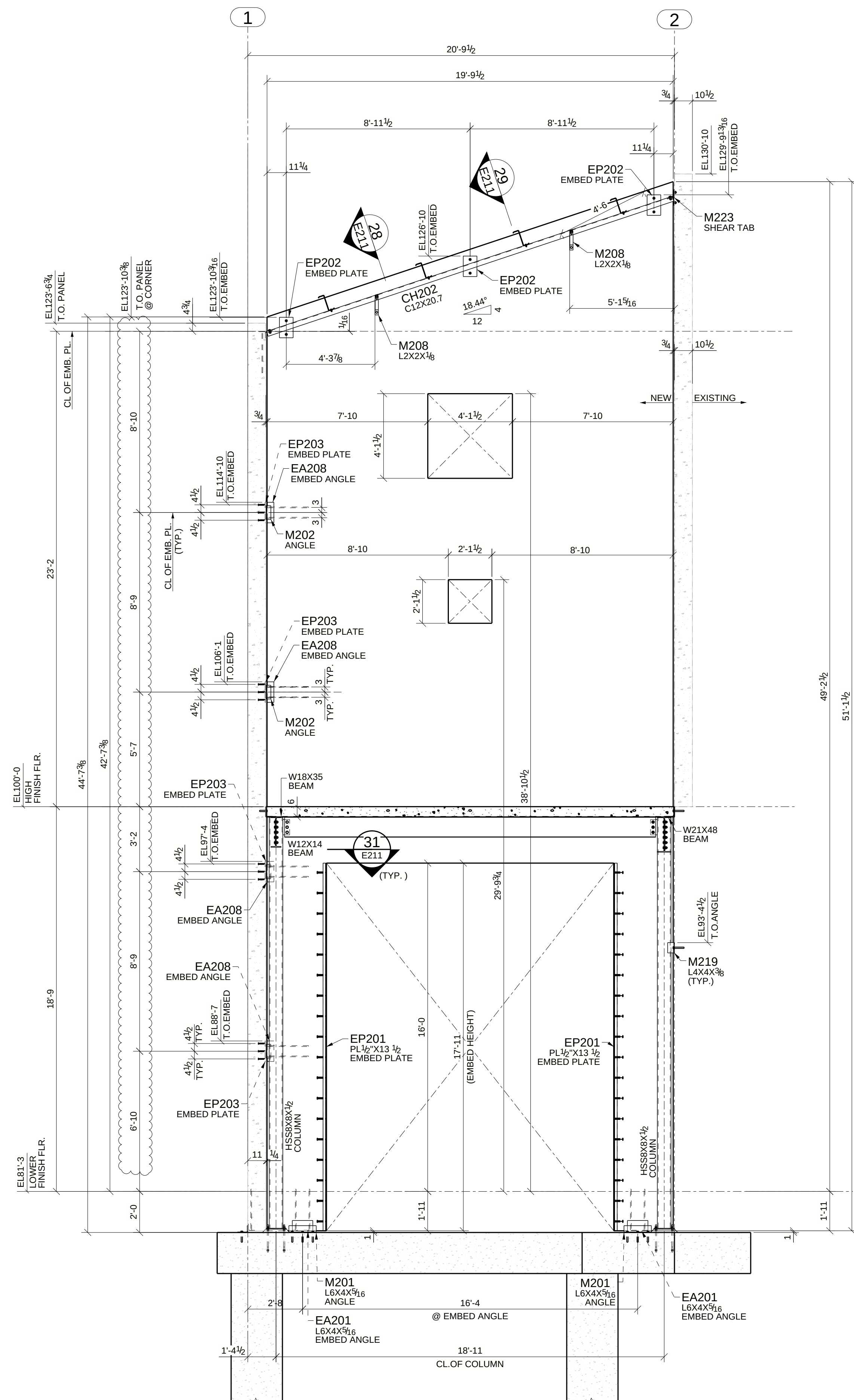
- DATUM ELEVATION=0'-0"
- ALL ELEVATION ARE GIVEN FROM DATUM ELEVATION.
- TOP OF BEAM DENOTED ON PLAN BY XX'-X.
- ALL DIMENSIONS TO THE BEAM ARE AT C.L. TYP. UNO.

SWISS DRAFTING,CA (323)-286-0872

APPROVER NOTE:

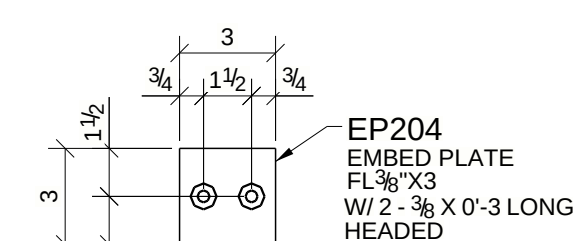
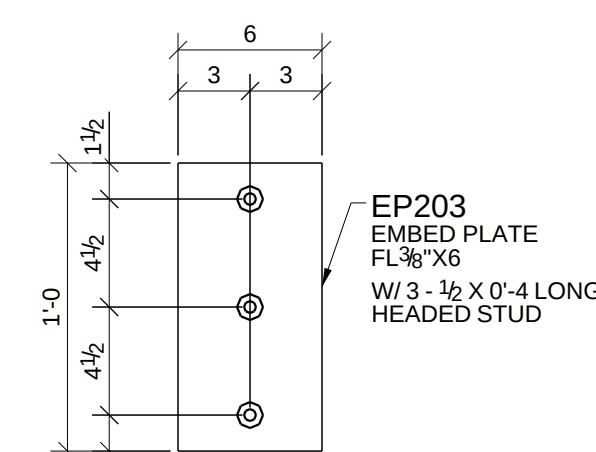
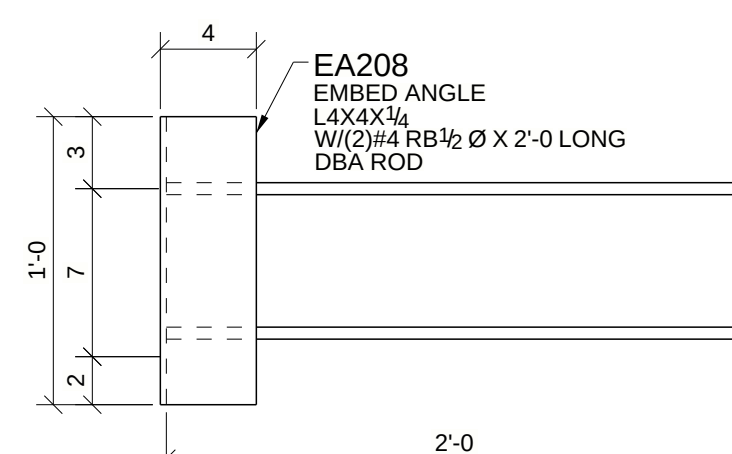
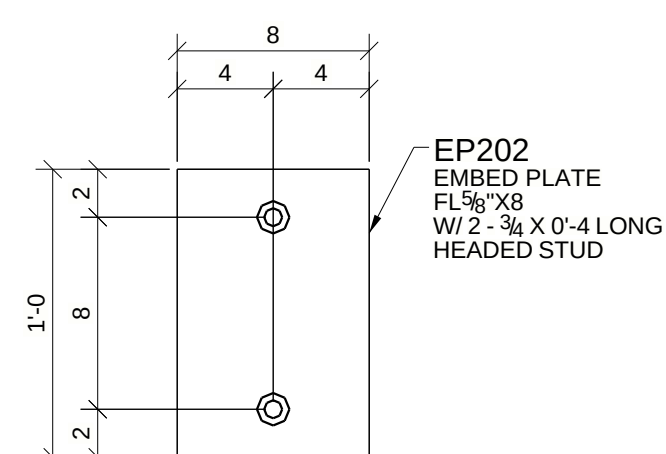
- THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
- ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

D	FOR RE-APPROVAL	10/17/2025
C	FOR RE-APPROVAL	08/18/2025
B	FOR RE-APPROVAL	02/28/2025
A	FOR APPROVAL	02/12/2025
REV	DESCRIPTION	DATE
DESCRIPTION	ROOF FRAMING PLAN	
PROJECT NAME	PARKWAY TRANSFER STATION	
DRAWN BY		JOB No.
DATE DRAWN	02/11/2025	DRG No. E205



EP201 IS EXISTING EMBED
PER REVISION#C COMMENTS

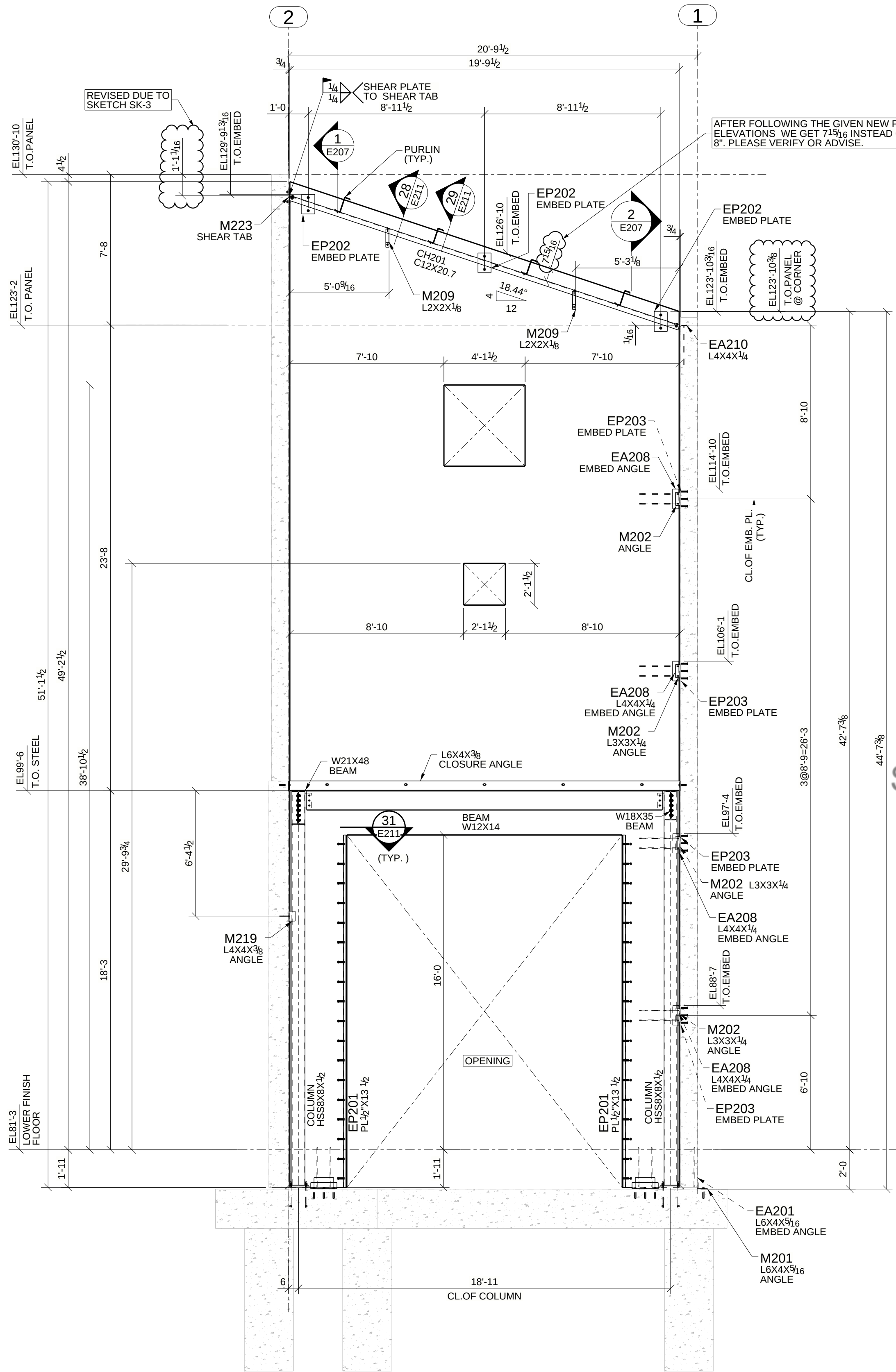
EP202 IS EXISTING EMBED
PER REVISION#C COMMENTS



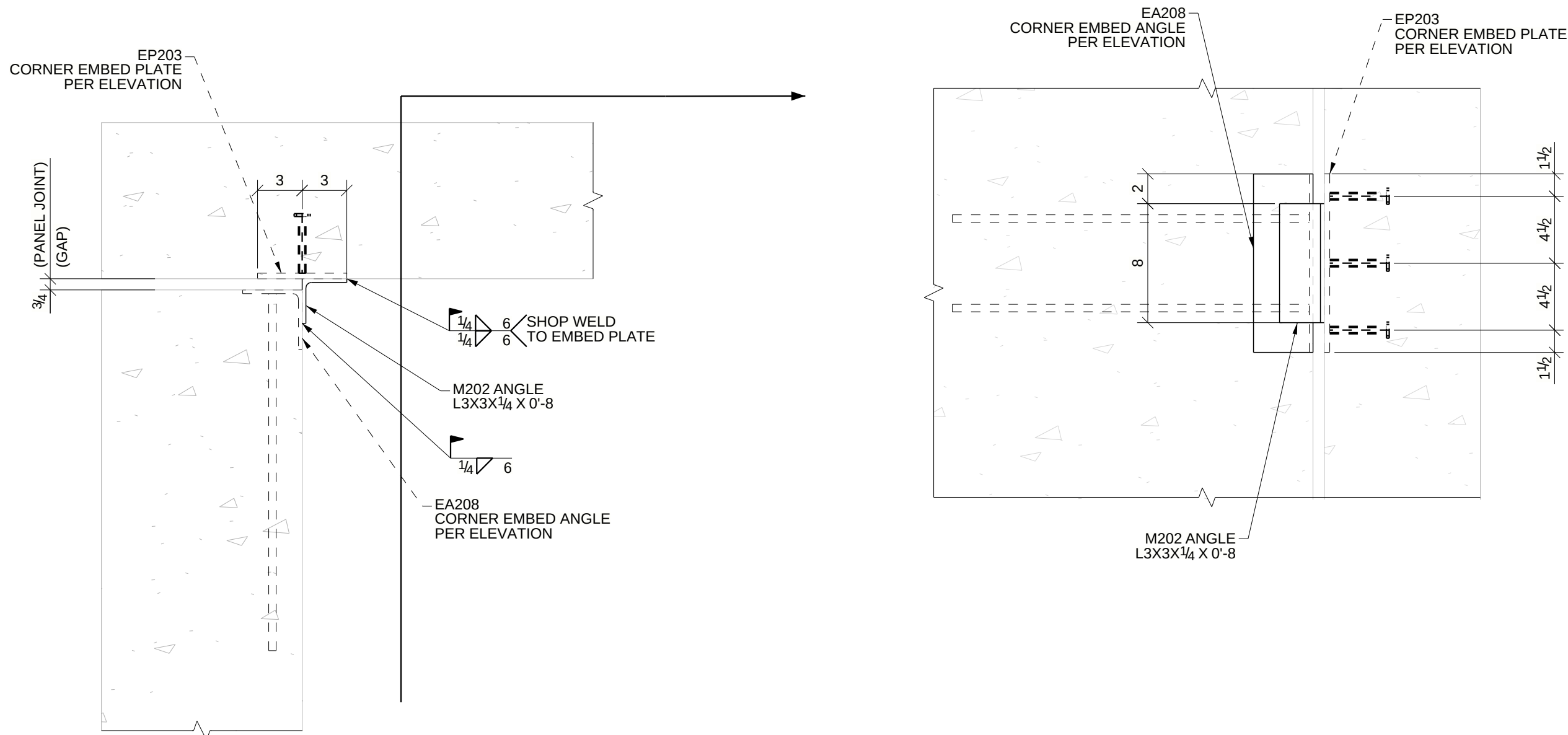
APPROVER NOTE:

1. THESE DWGs ARE OUR INTERPRETATION OF CONTRACT DWGs & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

D	FOR RE-APPROVAL	10/17/2025	
C	FOR RE-APPROVAL	08/18/2025	
B	FOR RE-APPROVAL	02/28/2025	
A	FOR APPROVAL	02/12/2025	
REV	DESCRIPTION	DATE	
DESCRIPTION		FLOOR ELEVATIONS	
PROJECT NAME		PARKWAY TRANSFER STATION	
DRAWN BY		JOB No.	DRG No. E206
DATE DRAWN			

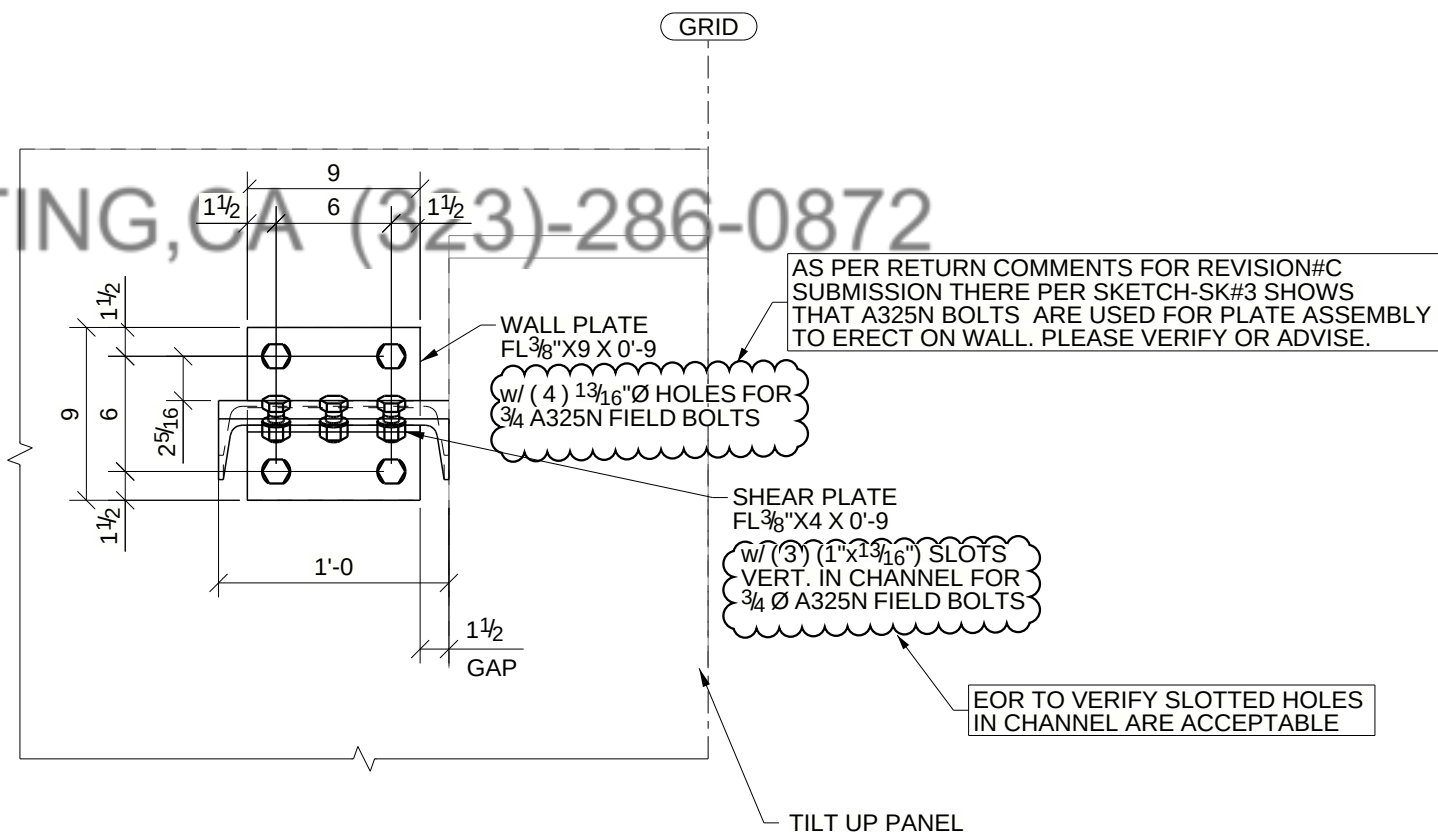


1 TILT UP PANEL ELEVATION- GRID F
E207 (REF: 3/S3.0)

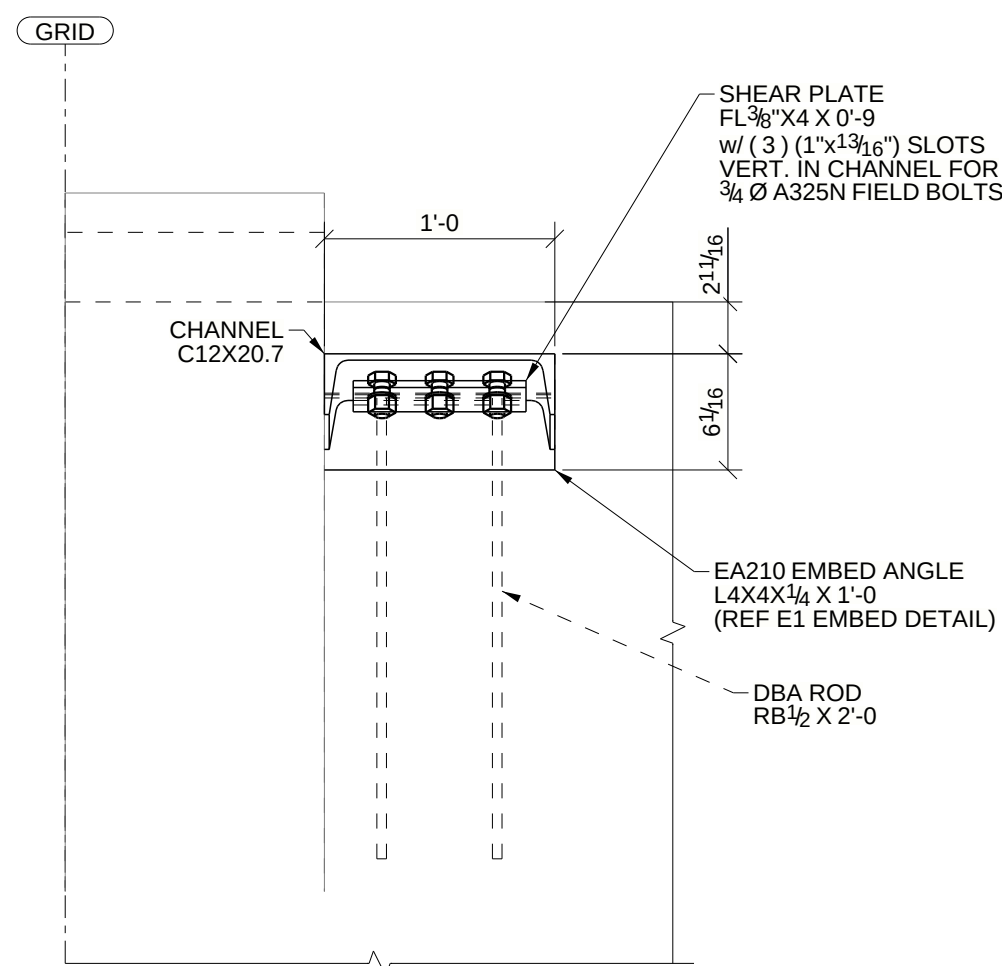


TYPICAL PANEL CORNER DETAIL
(REF:- 1/S6.0)

REFER ELEVATION ON E206, E207
& E208 FOR LOCATIONS



1 SECTION
E207



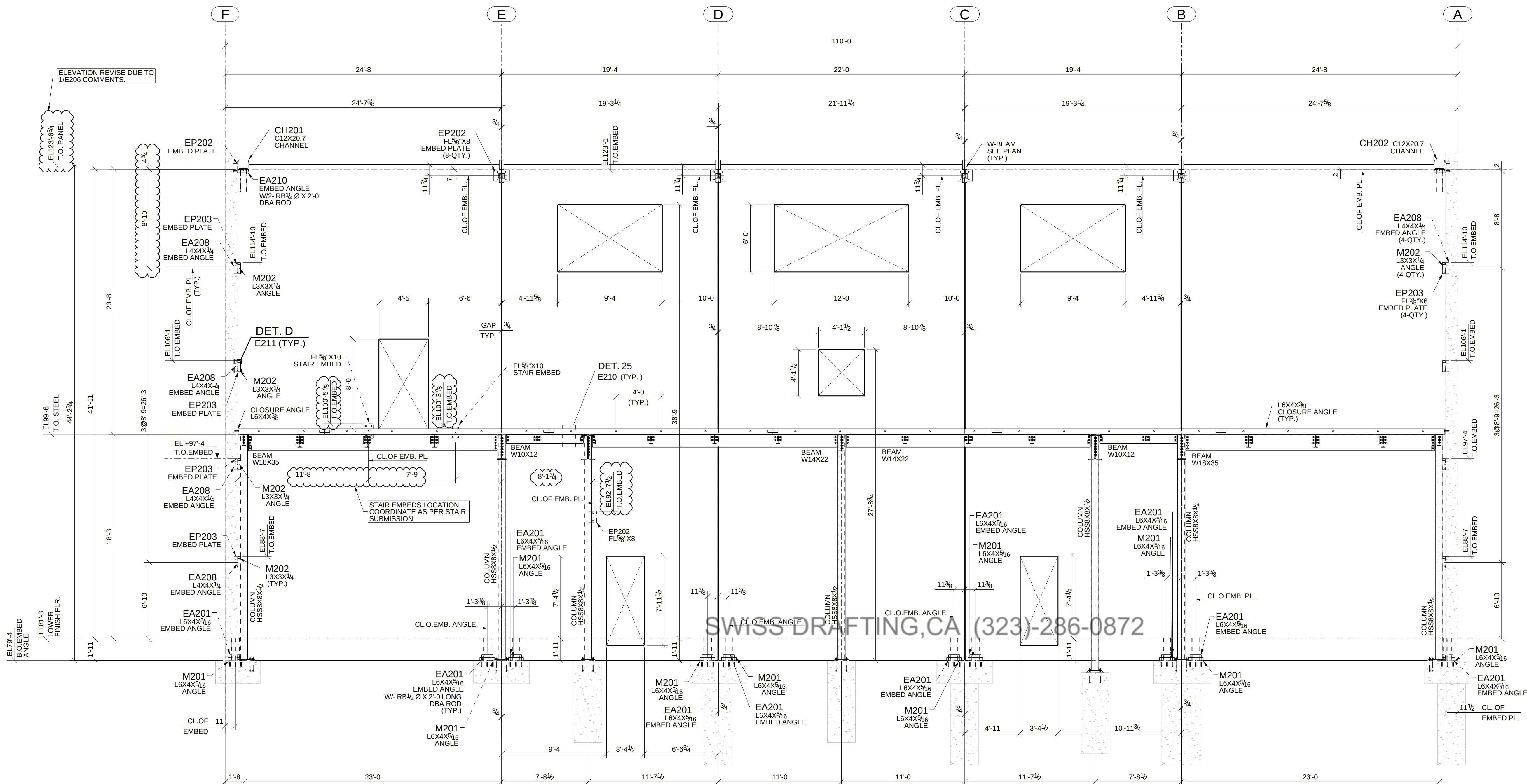
2 SECTION
E207

APPROVER NOTE:

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D	FOR RE-APPROVAL	10/17/2025
C	FOR RE-APPROVAL	08/18/2025
B	FOR RE-APPROVAL	02/28/2025
A	FOR APPROVAL	02/12/2025
REV	DESCRIPTION	DATE

DESCRIPTION	FLOOR ELEVATIONS		
PROJECT NAME	PARKWAY TRANSFER STATION		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	02/12/2025		E207

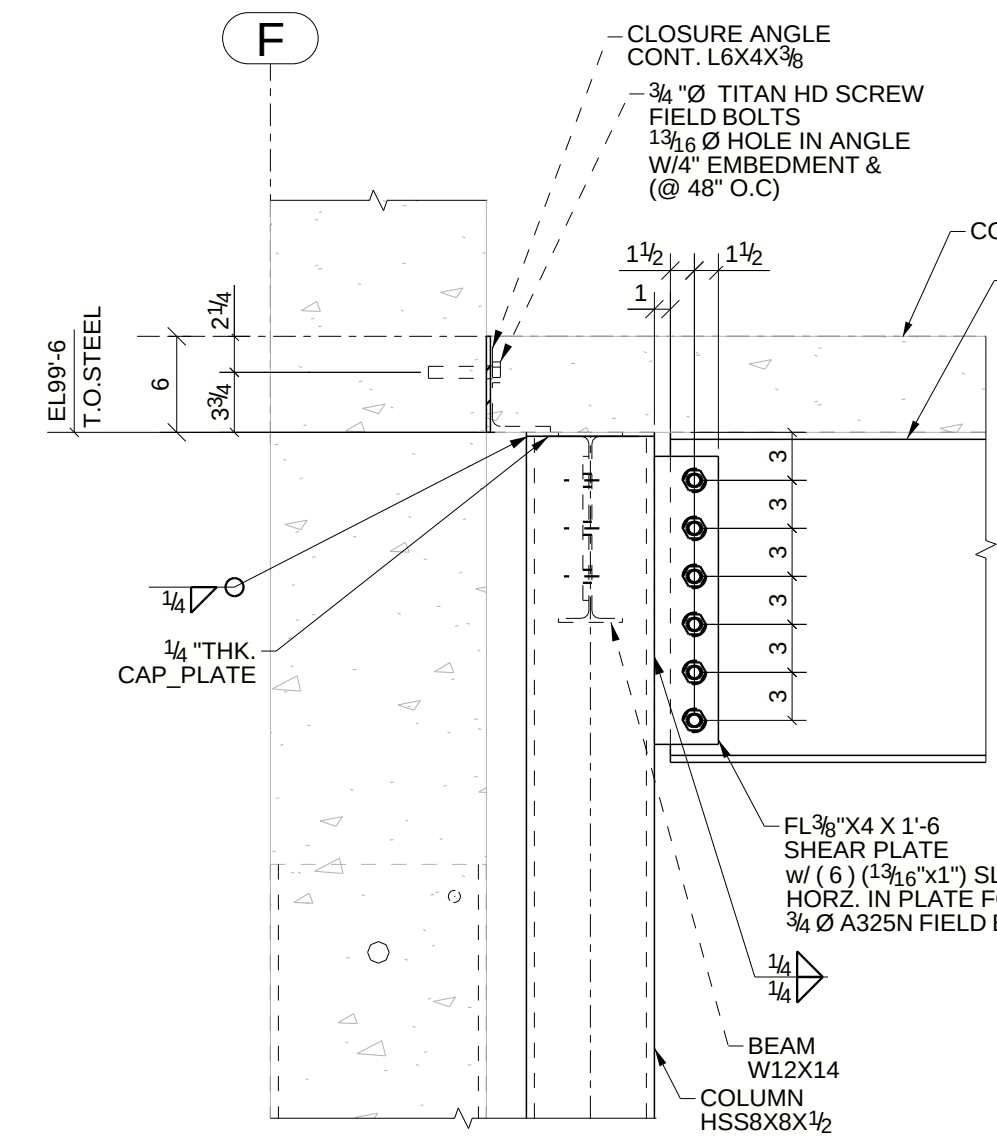


4 TILT UP PANEL ELEVATION - GRID 1
(REF:-2/S3.0)

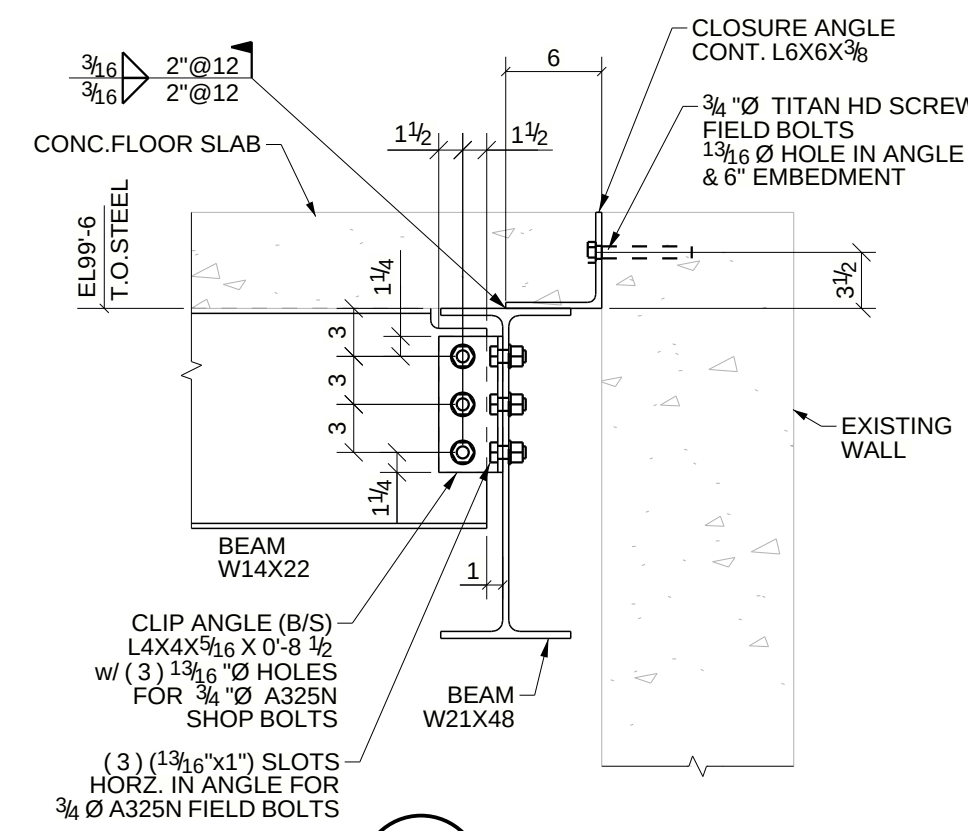
APPROVER NOTE:

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2. ALL CLOUDED AREAS ARE VERIFIES AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGs.

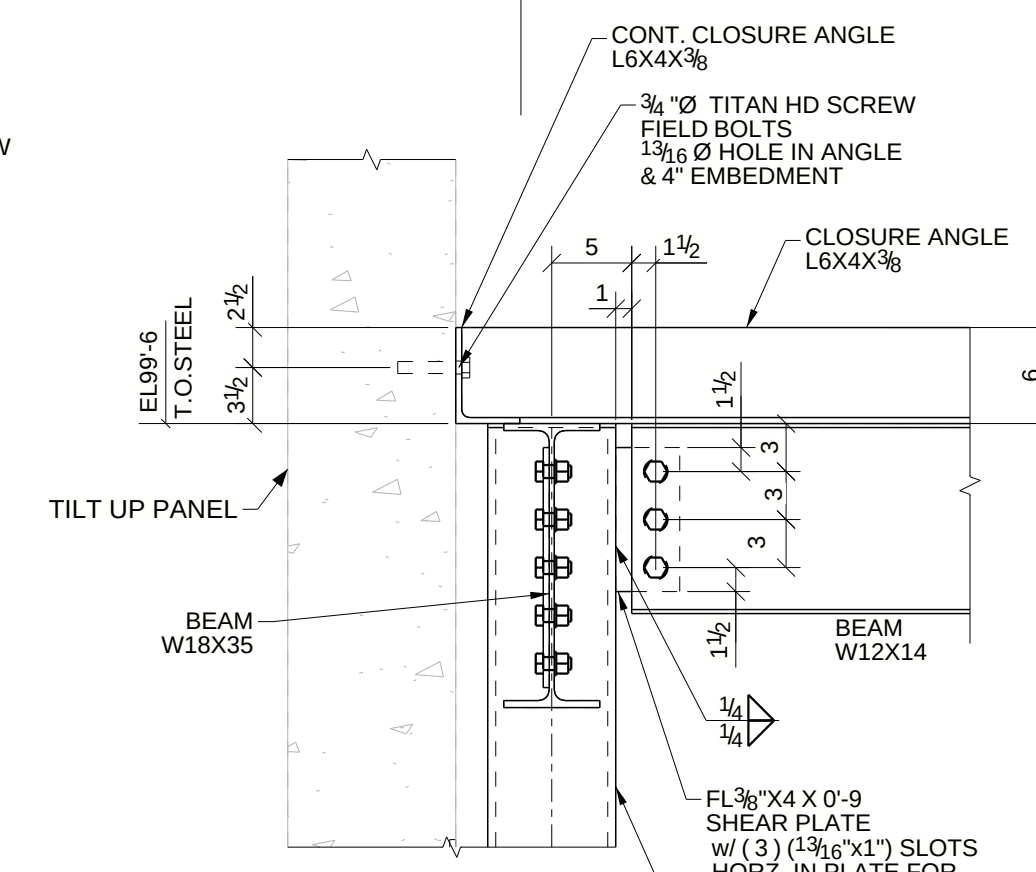
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C	FOR RE-APPROVAL	08/18/2025
B	FOR RE-APPROVAL	02/28/2025
A	FOR APPROVAL	02/12/2025
REV	DESCRIPTION	DATE
DESCRIPTION	FLOOR ELEVATIONS	
PROJECT NAME	PARKWAY TRANSFER STATION	
DRAWN BY		JOB No.
DATE DRAWN	02/12/2025	DRG No. E208



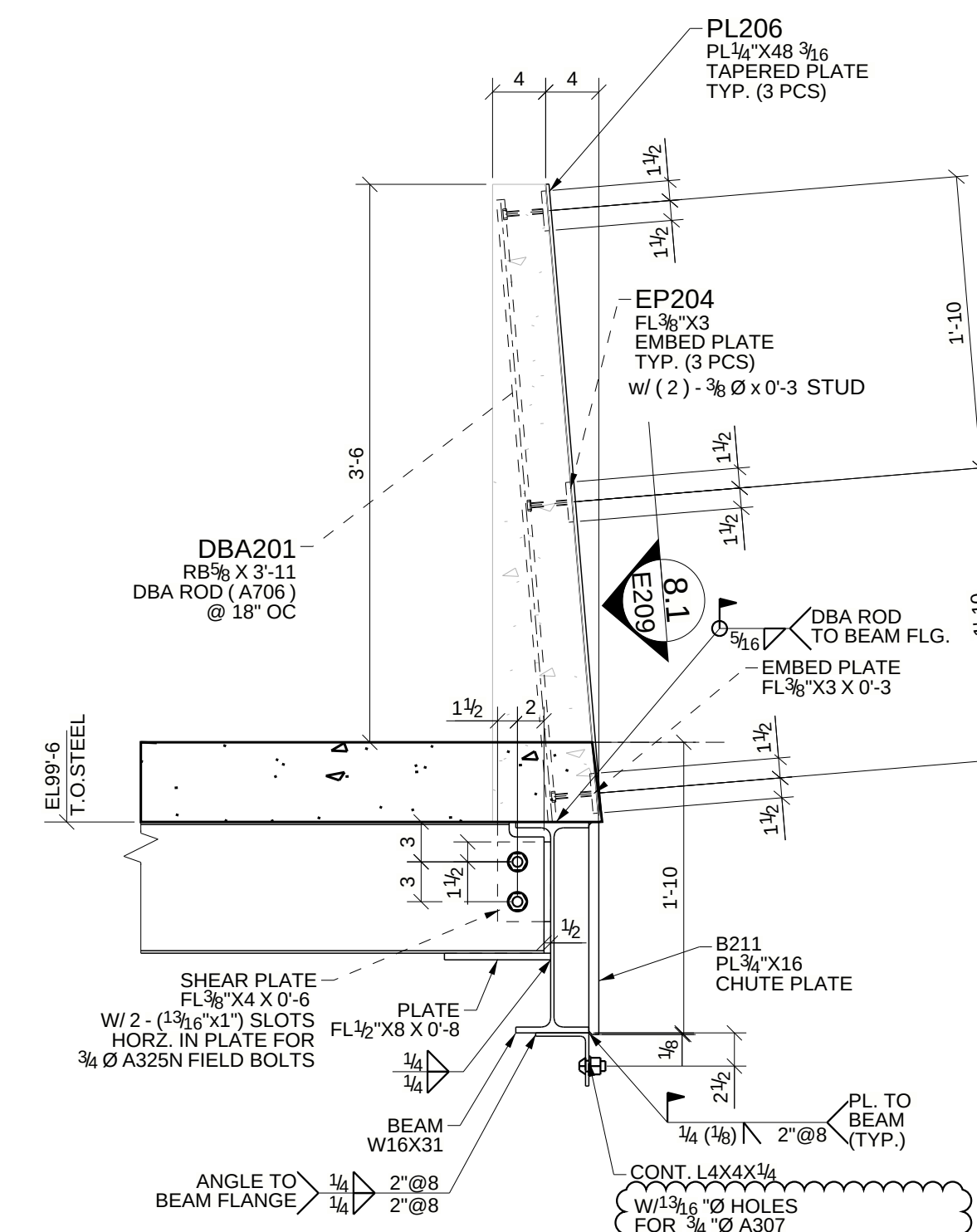
5 SECTION
E209



6 SECTION
E209 (REF.-8/S5.0)

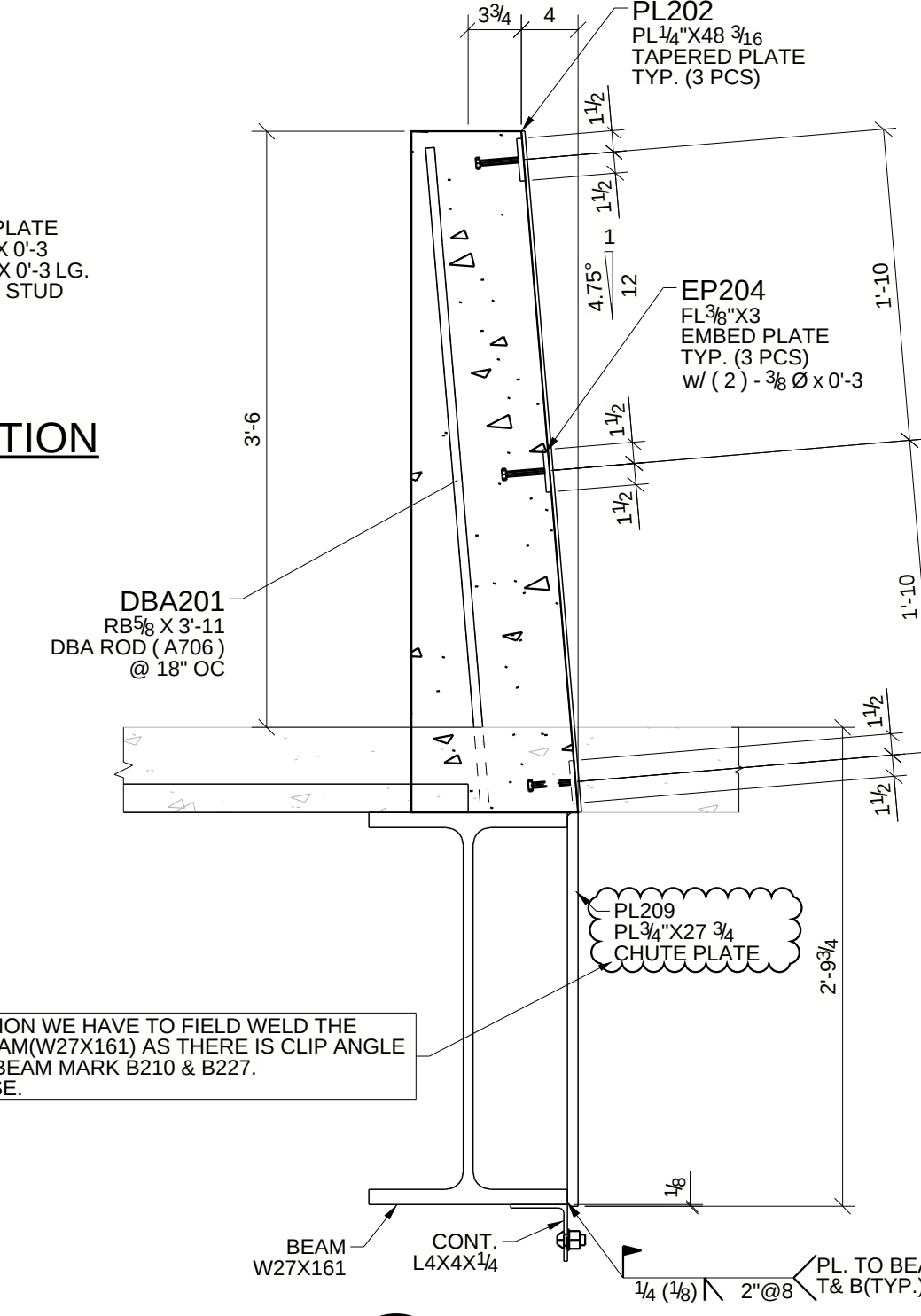
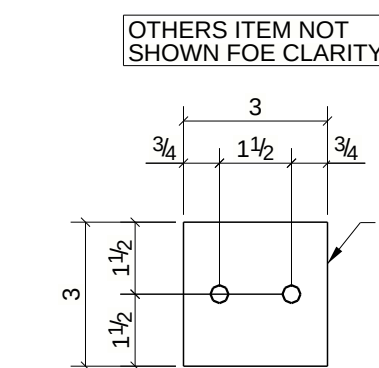


7 SECTION
E209 (REF.-5/S5.1)

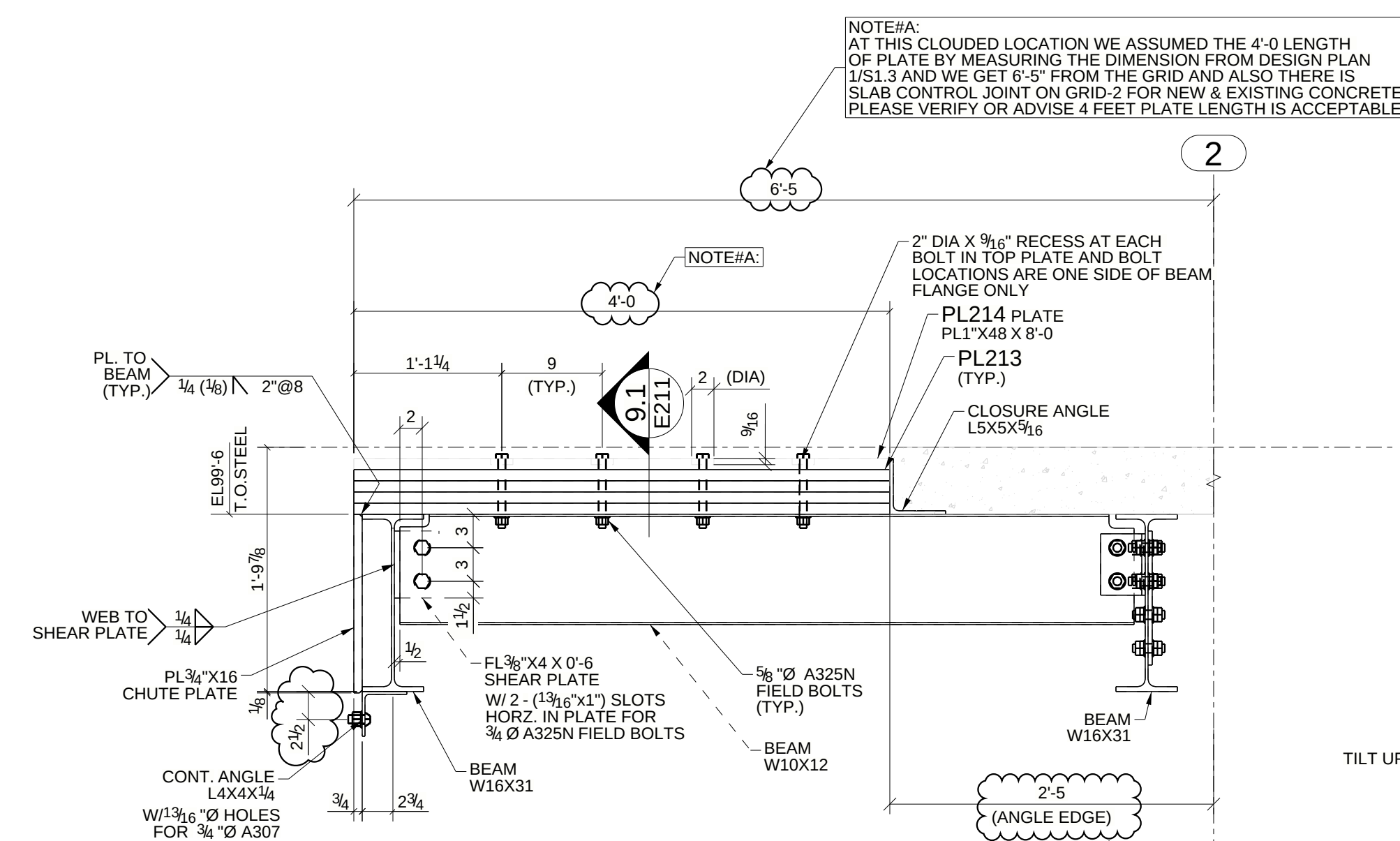


8 SECTION
E209 (REF.-6/S5.0)

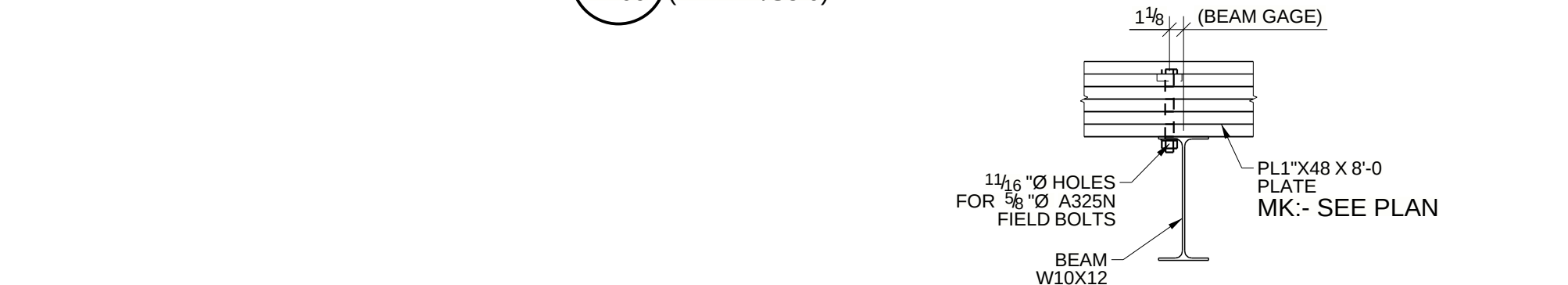
8.1 EMBED PLATE SECTION
E209



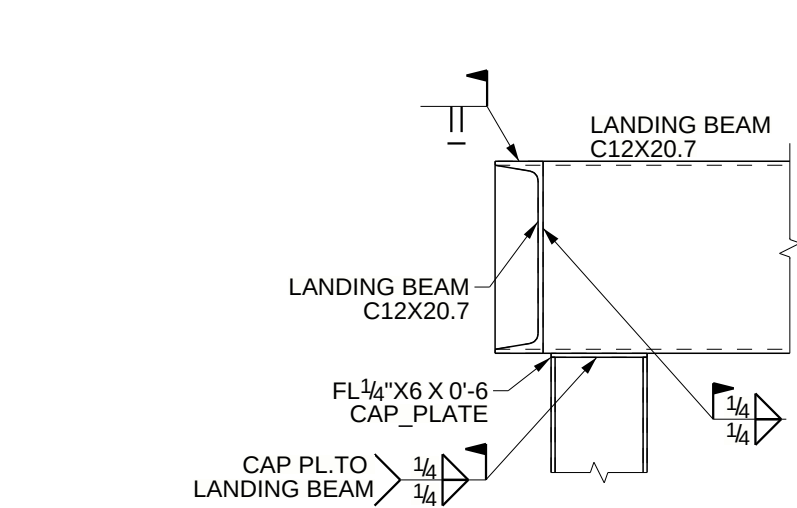
8A SECTION
E209 (REF.-6/S5.0)



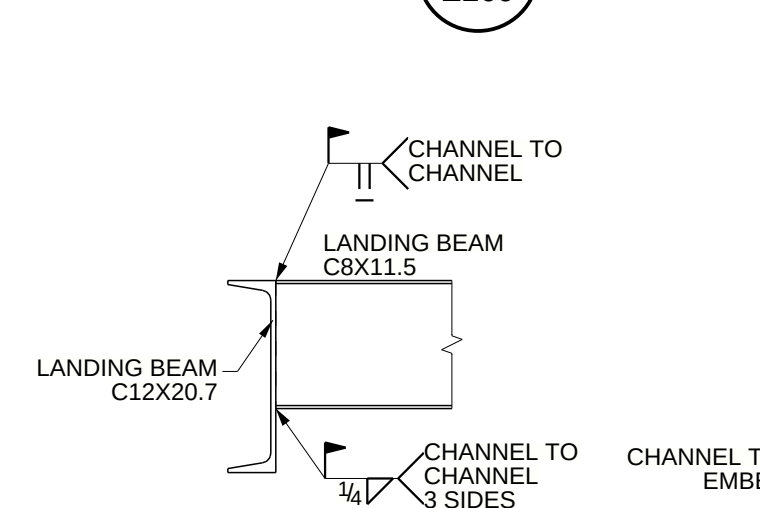
9 SECTION
E209 (REF.-7/S5.0)



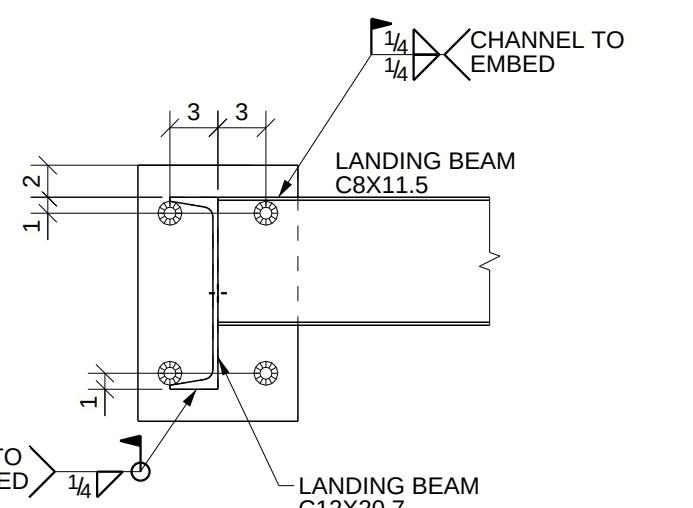
9.1 SECTION
E209



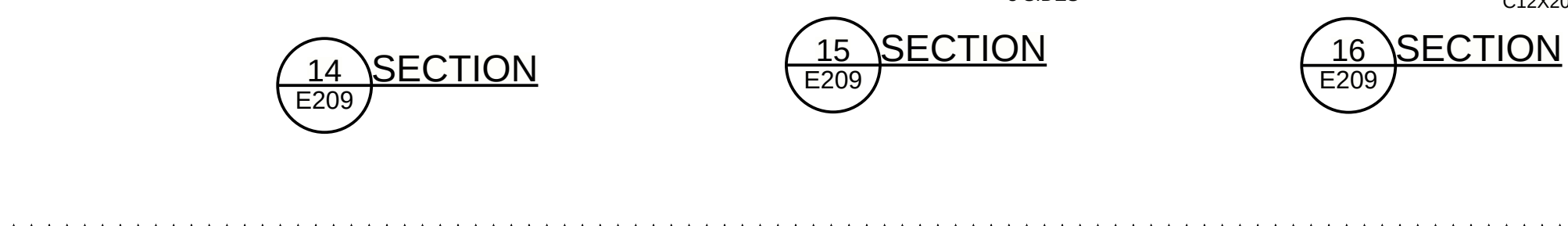
14 SECTION
E209



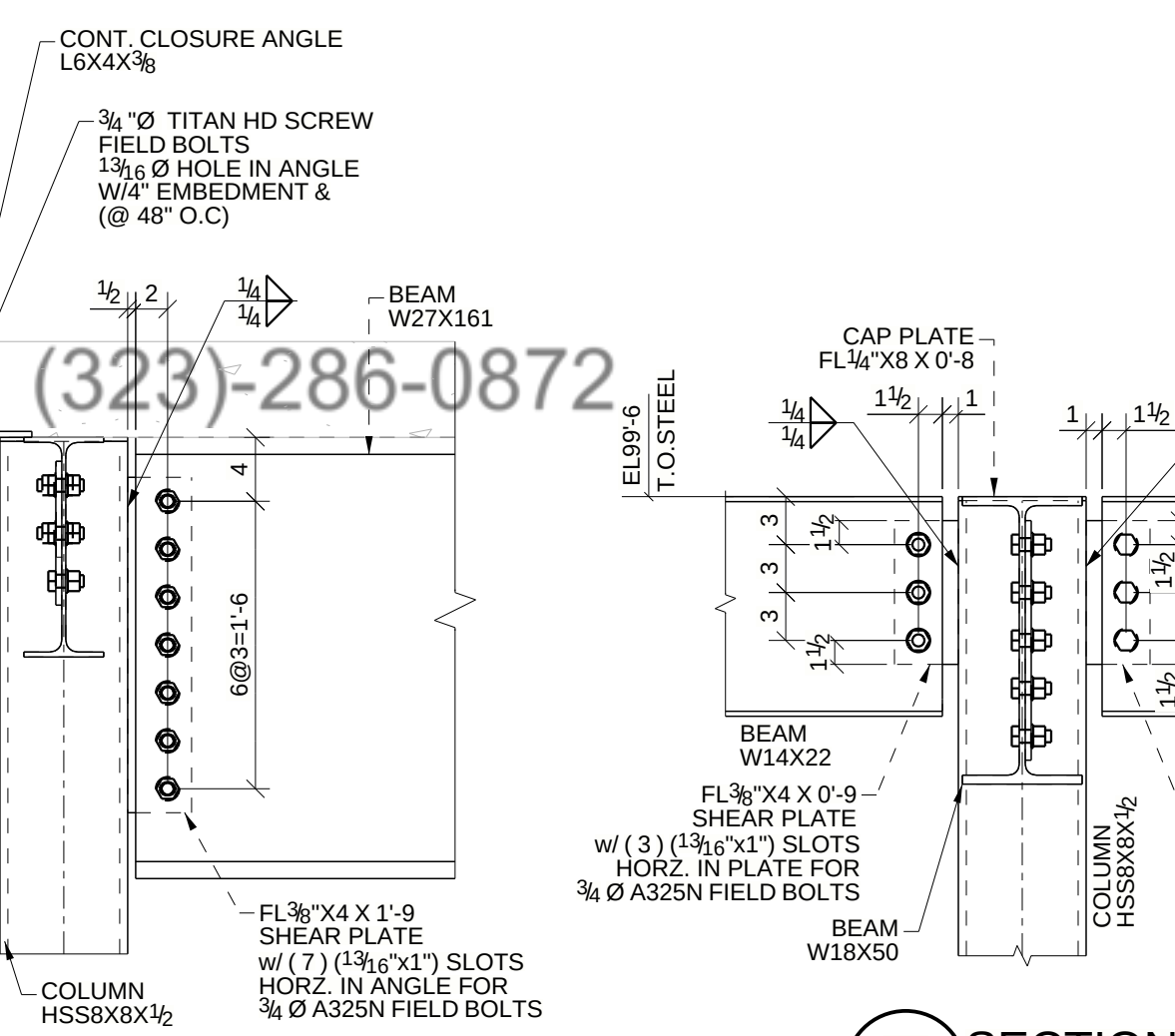
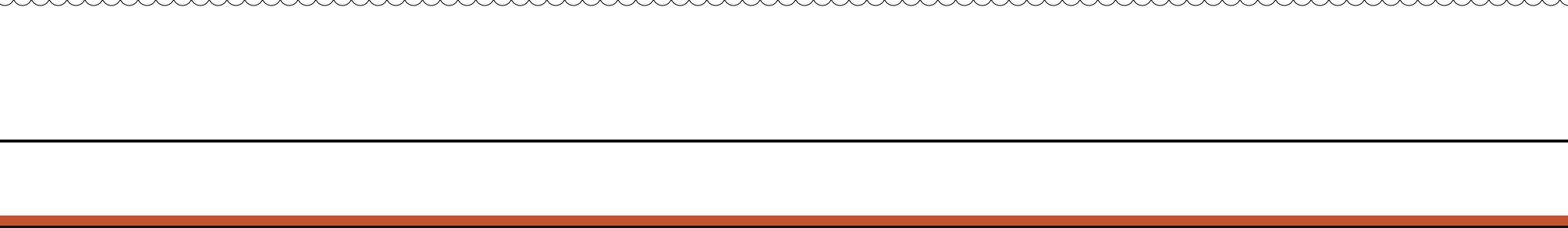
15 SECTION
E209



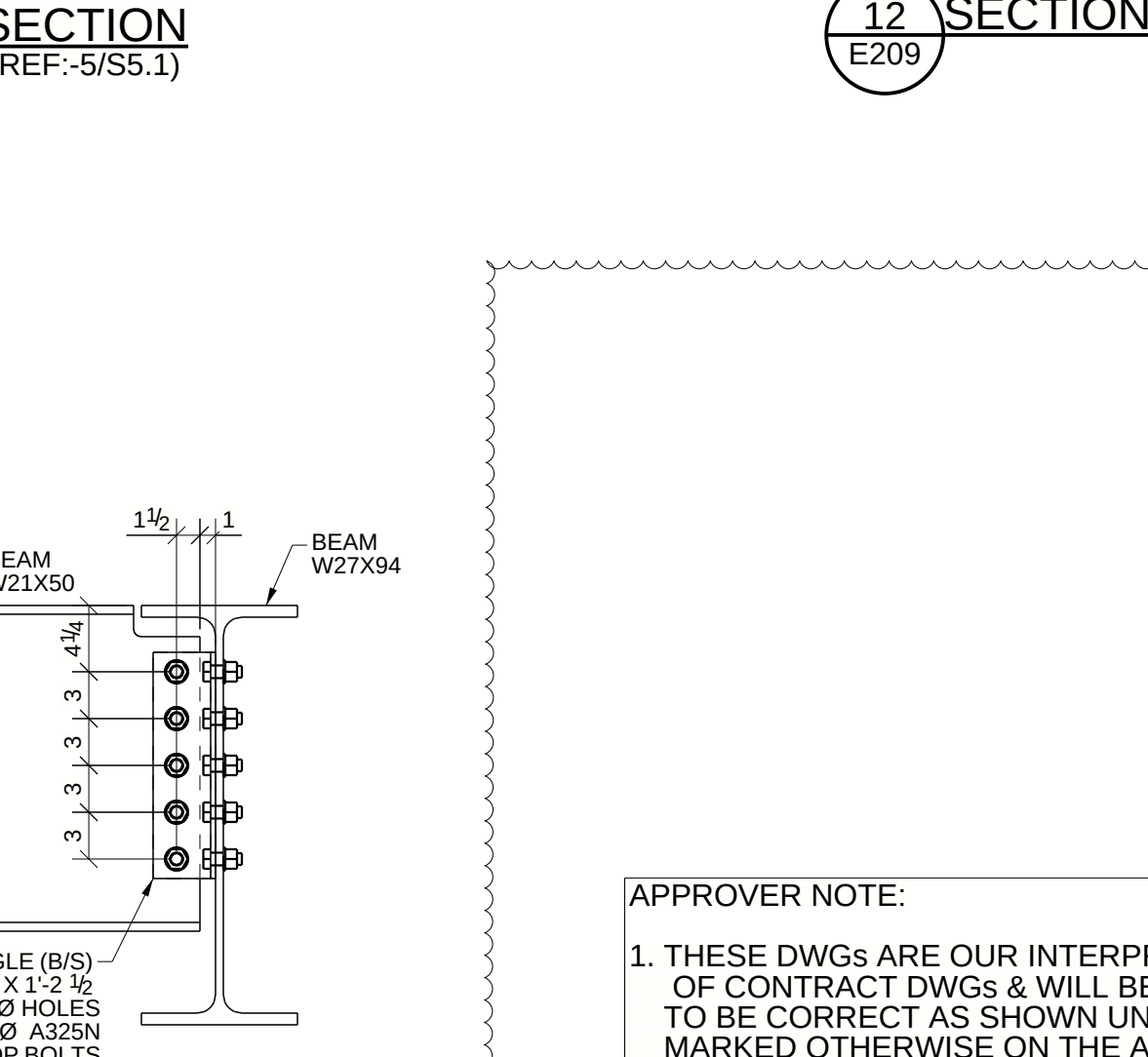
16 SECTION
E209



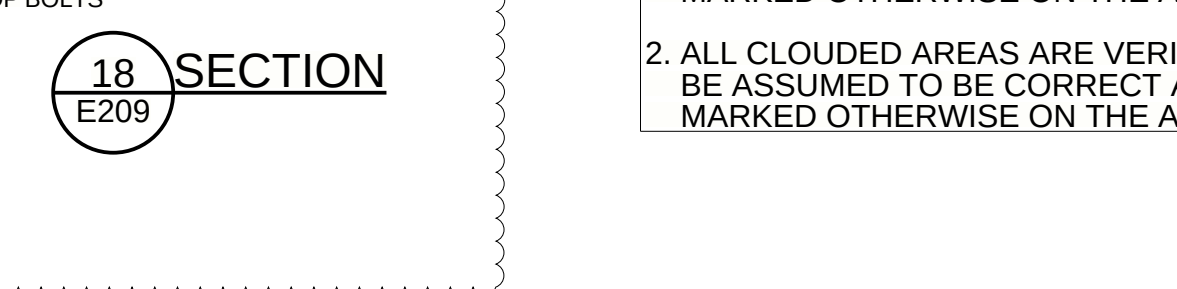
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E209



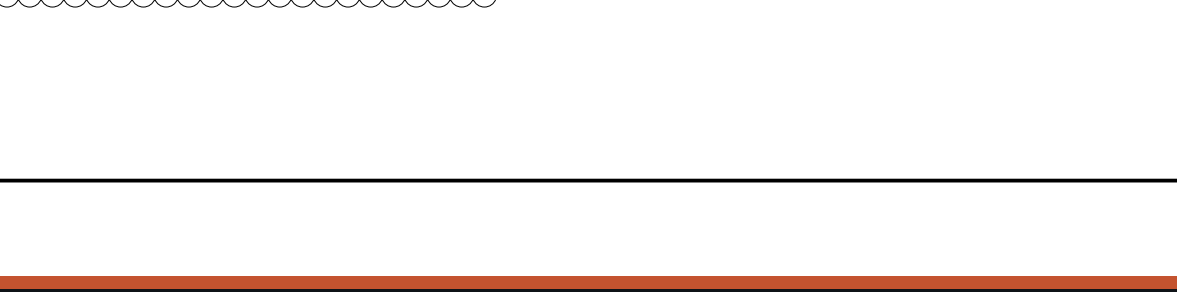
10 SECTION
E209 (REF.-5/S5.1)



11 SECTION
E209 (REF.-5/S5.1)



12 SECTION
E209



13 SECTION
E209 (REF.-5/S5.1)



14 SECTION
E209



15 SECTION
E209



16 SECTION
E209



17 SECTION
E209



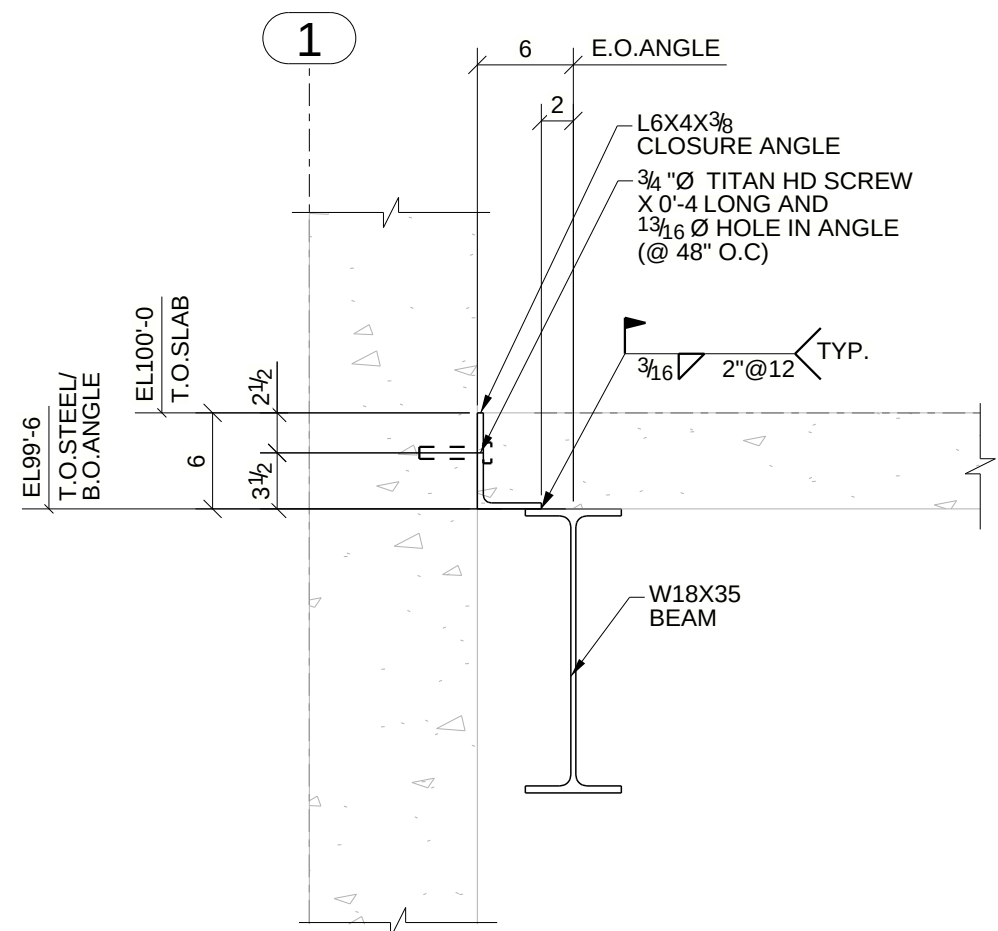
18 SECTION
E209

APPROVER NOTE:
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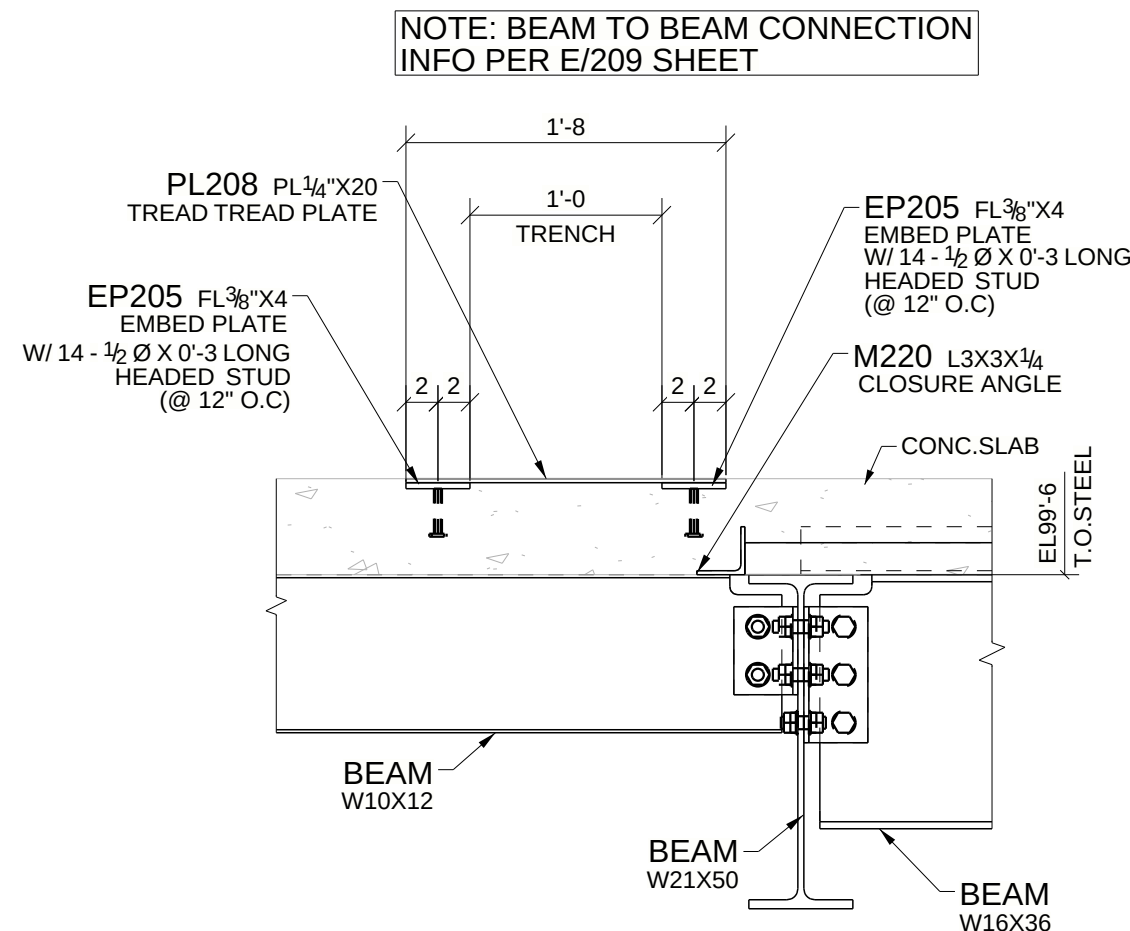
PLEASE VERIFY ALL CONNECTION ARRANGEMENTS AS DRAWN

D	FOR RE-APPROVAL	10/17/2025
C	FOR RE-APPROVAL	08/18/2025
B	FOR RE-APPROVAL	02/28/2025
A	FOR APPROVAL	02/12/2025
REV	DESCRIPTION	DATE

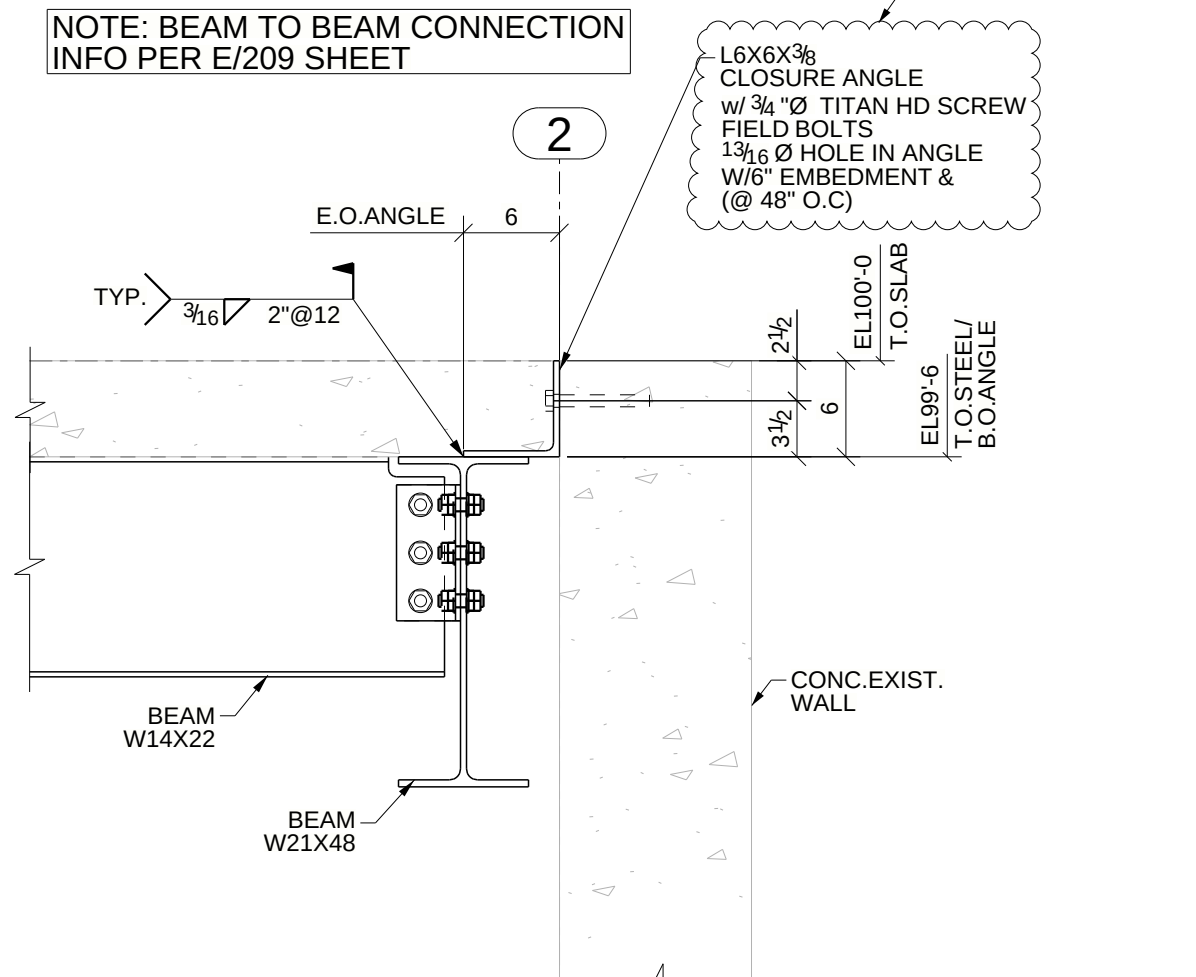
DESCRIPTION	SECTIONS & DETAILS
PROJECT NAME	PARKWAY TRANSFER STATION
DRAWN BY	
DATE DRAWN	02/12/2025
JOB No.	
DRG No.	E209



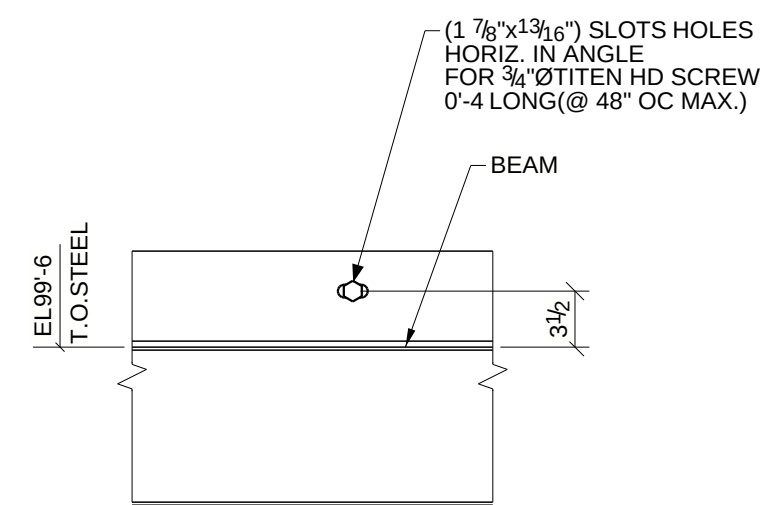
19 SECTION
E210 (REF:-4/S5.0)



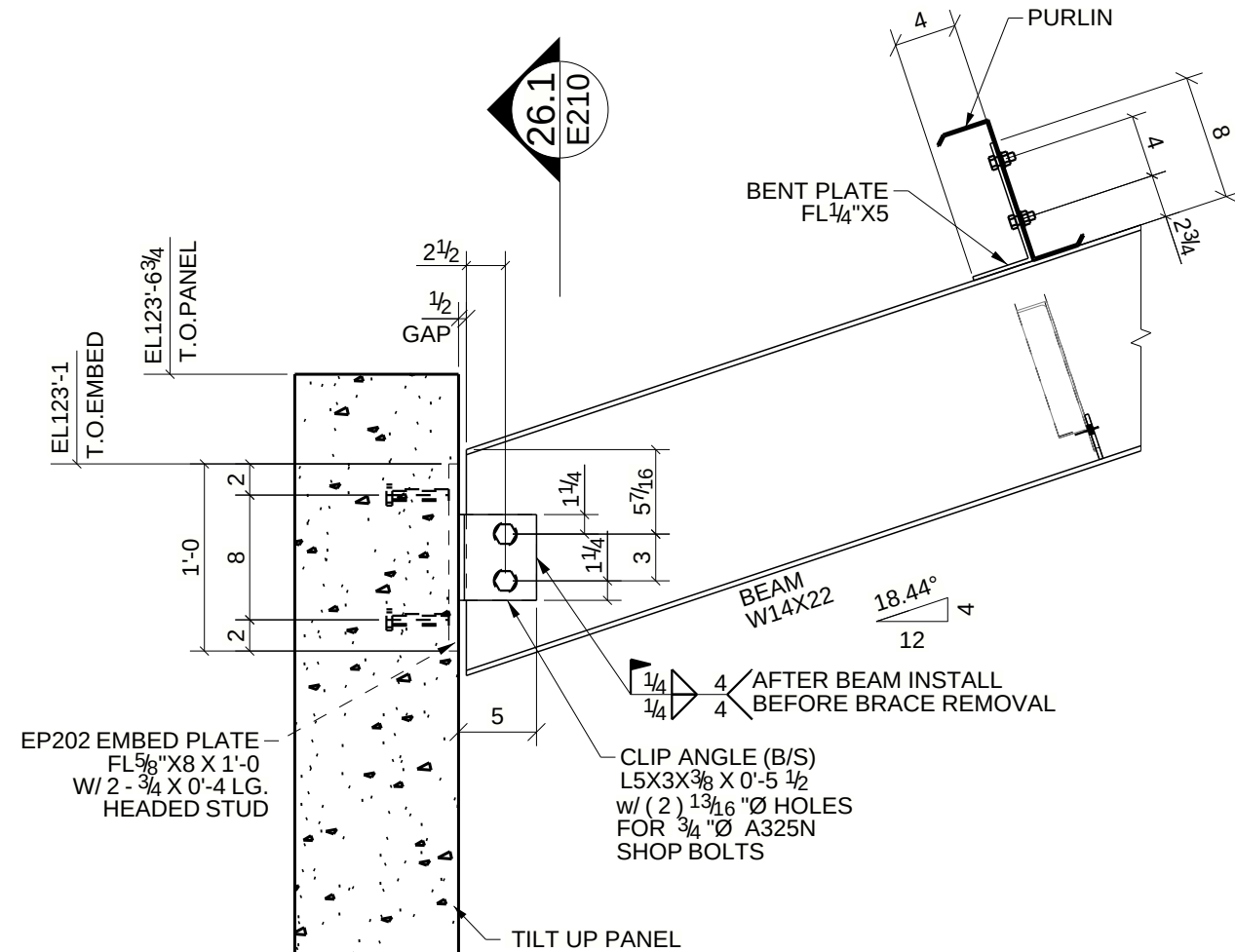
22 SECTION
E210 (REF:-9/S5.0)



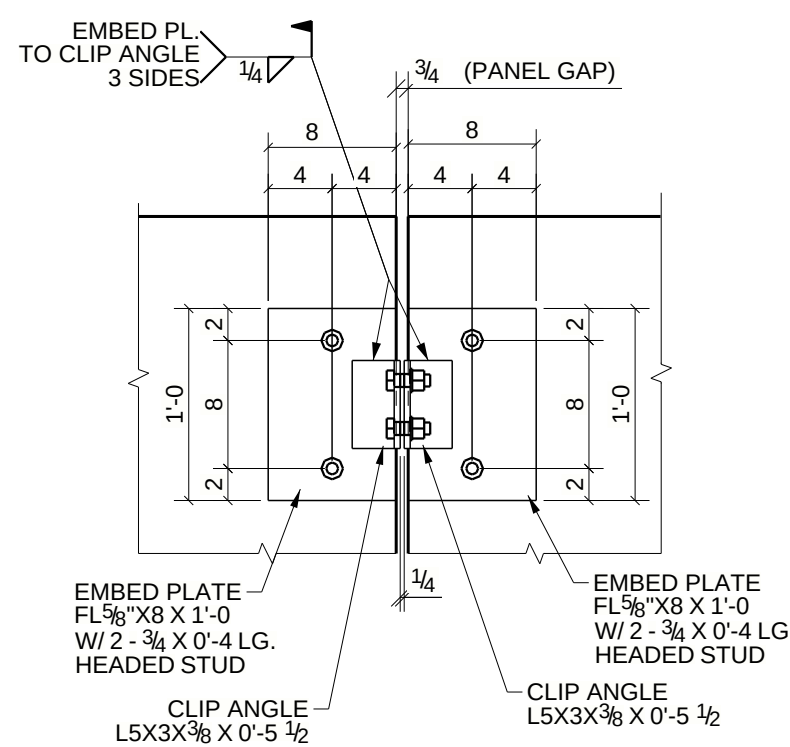
24 SECTION
E210 (REF:-5/S5.0)



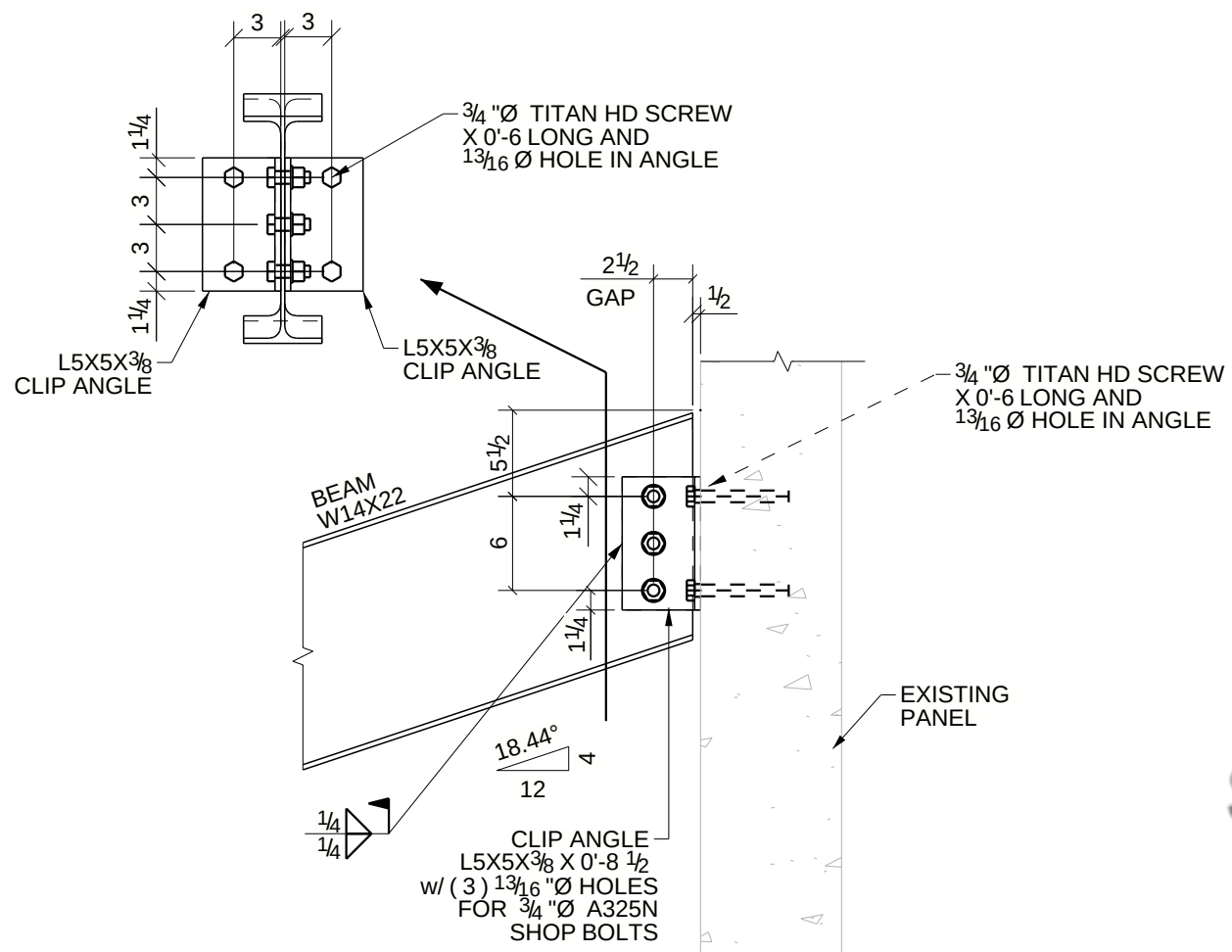
25 SECTION
E210



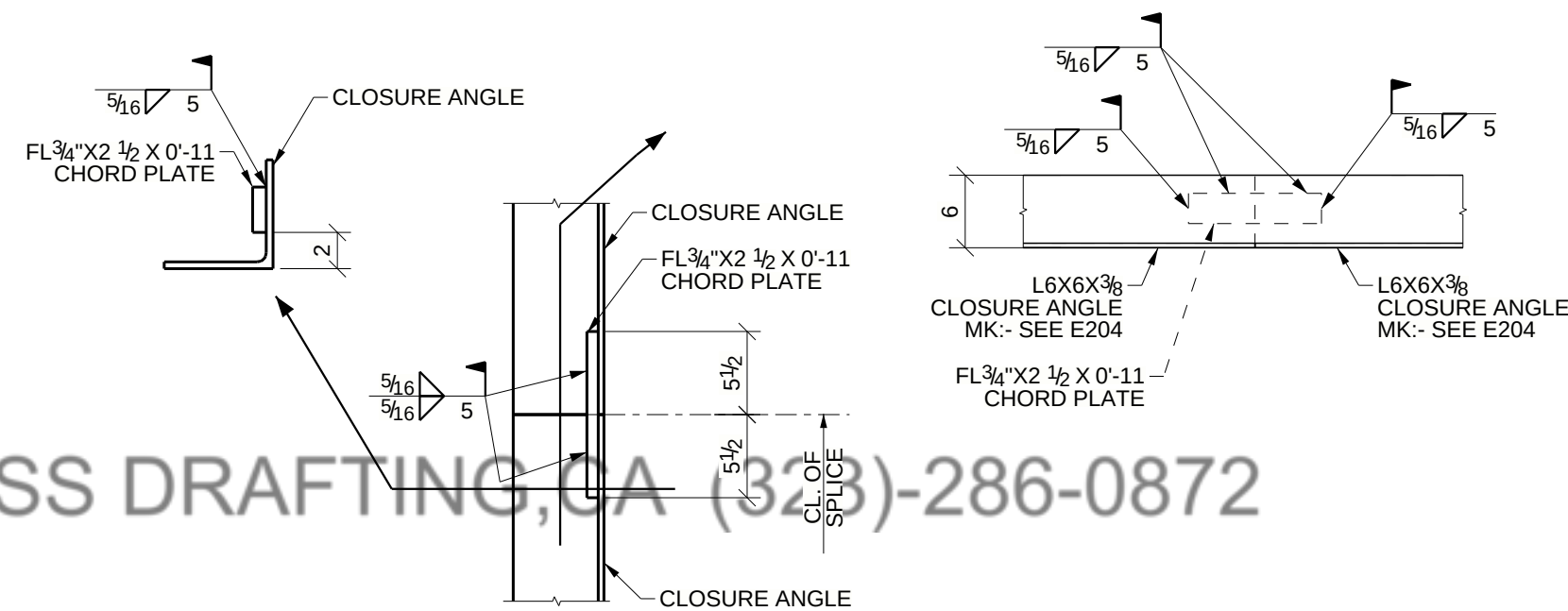
26 TYPICAL BEAM TO WALL CONNECTION
E210 (REF:-1/S5.0)



26.1 SECTION
E210 (REF:-E4/S6.0)



27 SECTION
E210 (REF:-2/S5.0)



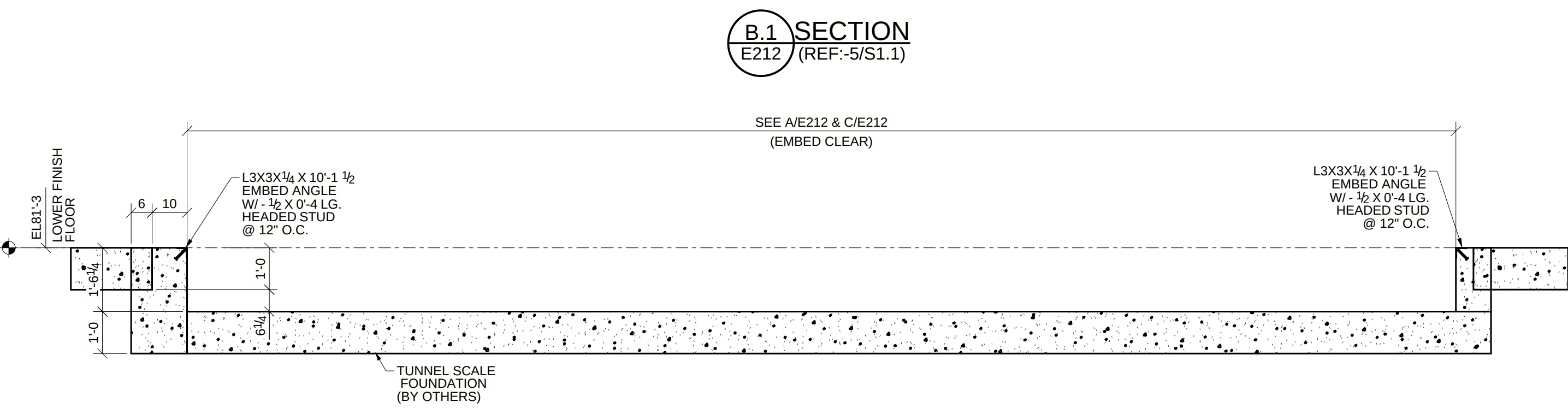
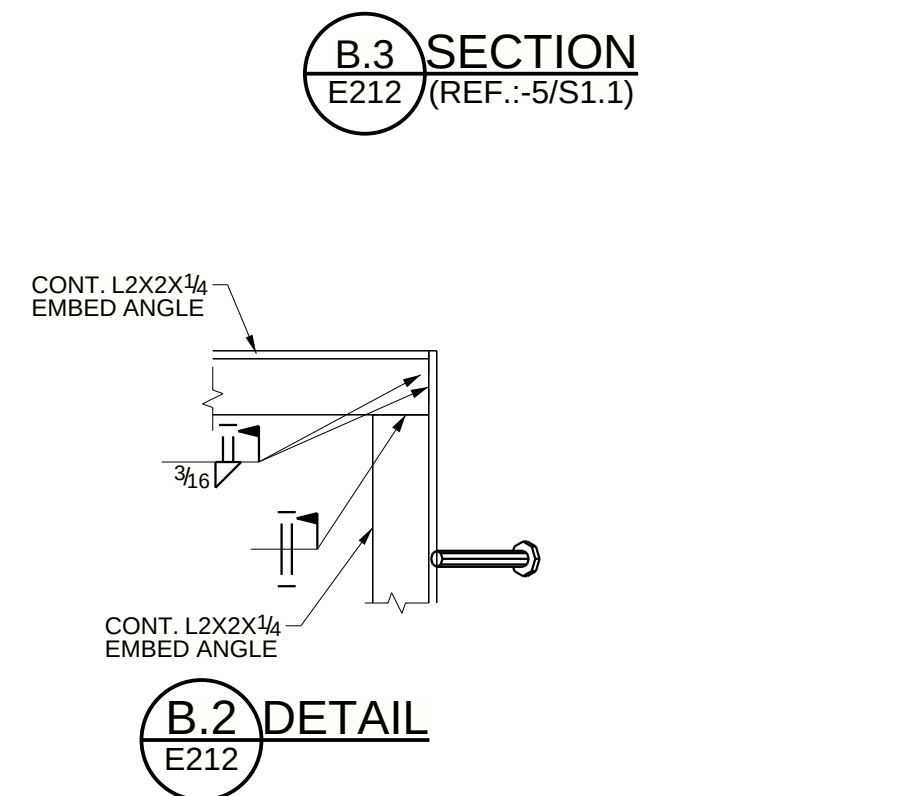
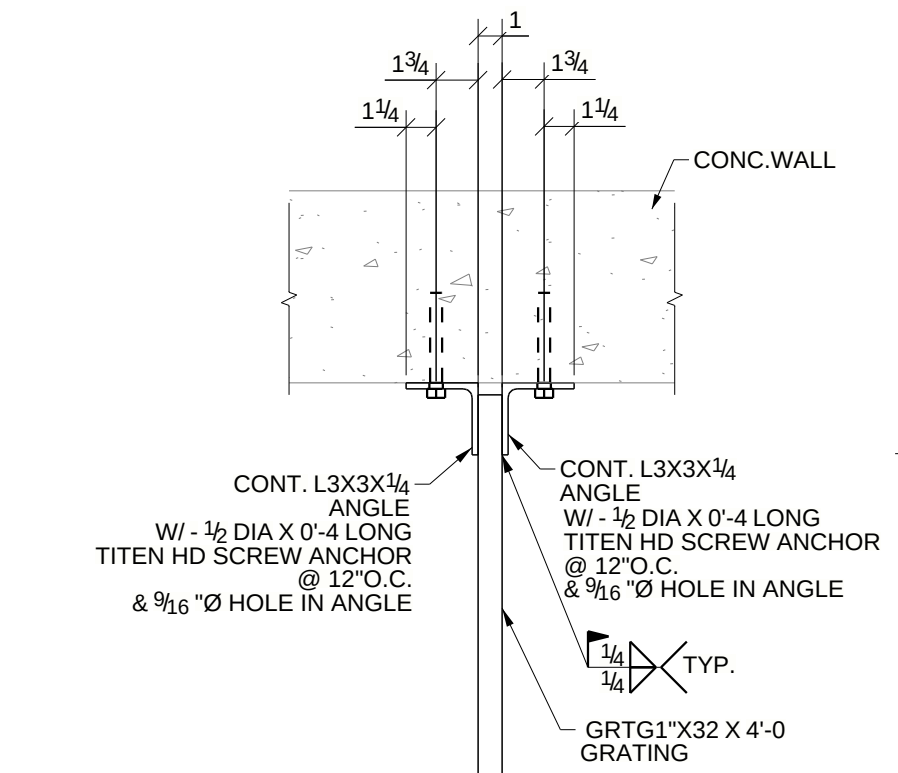
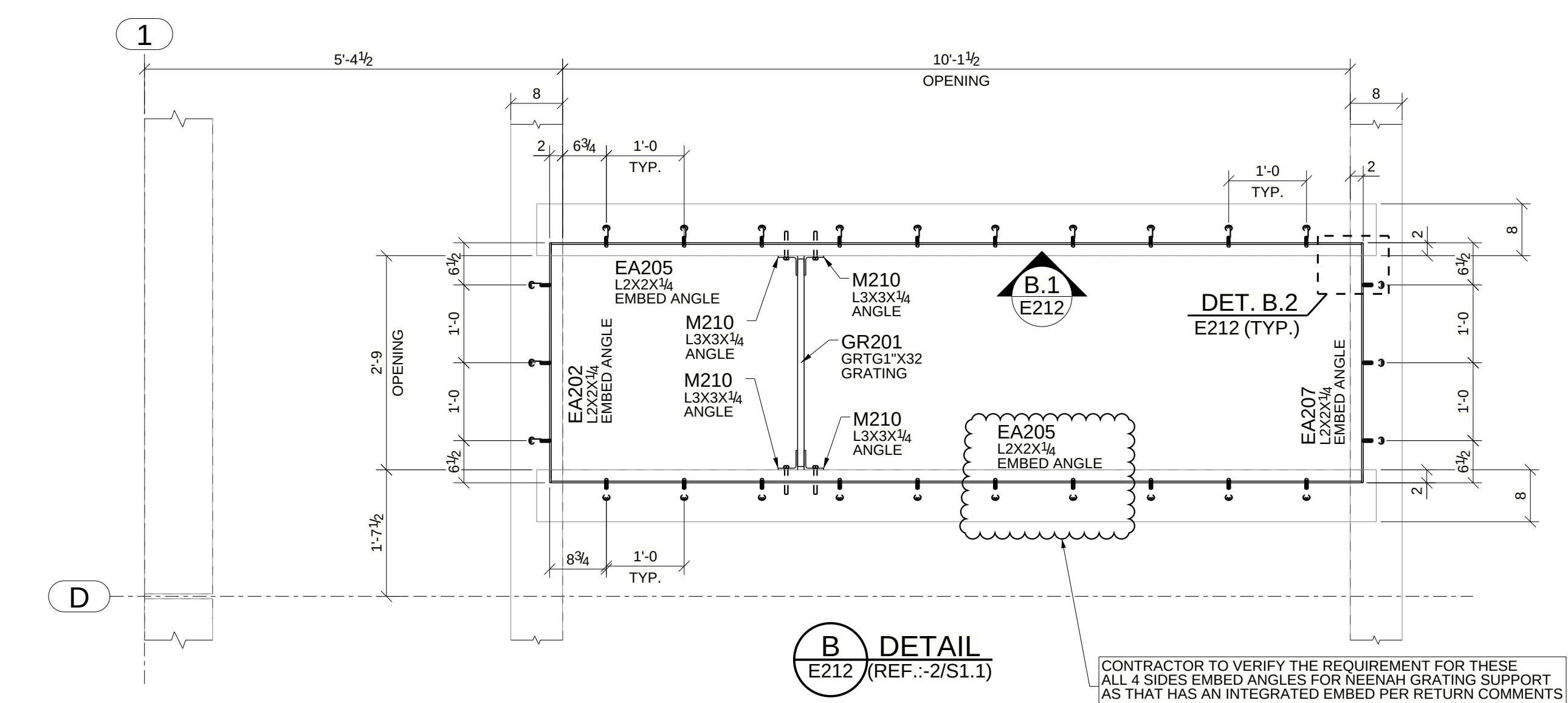
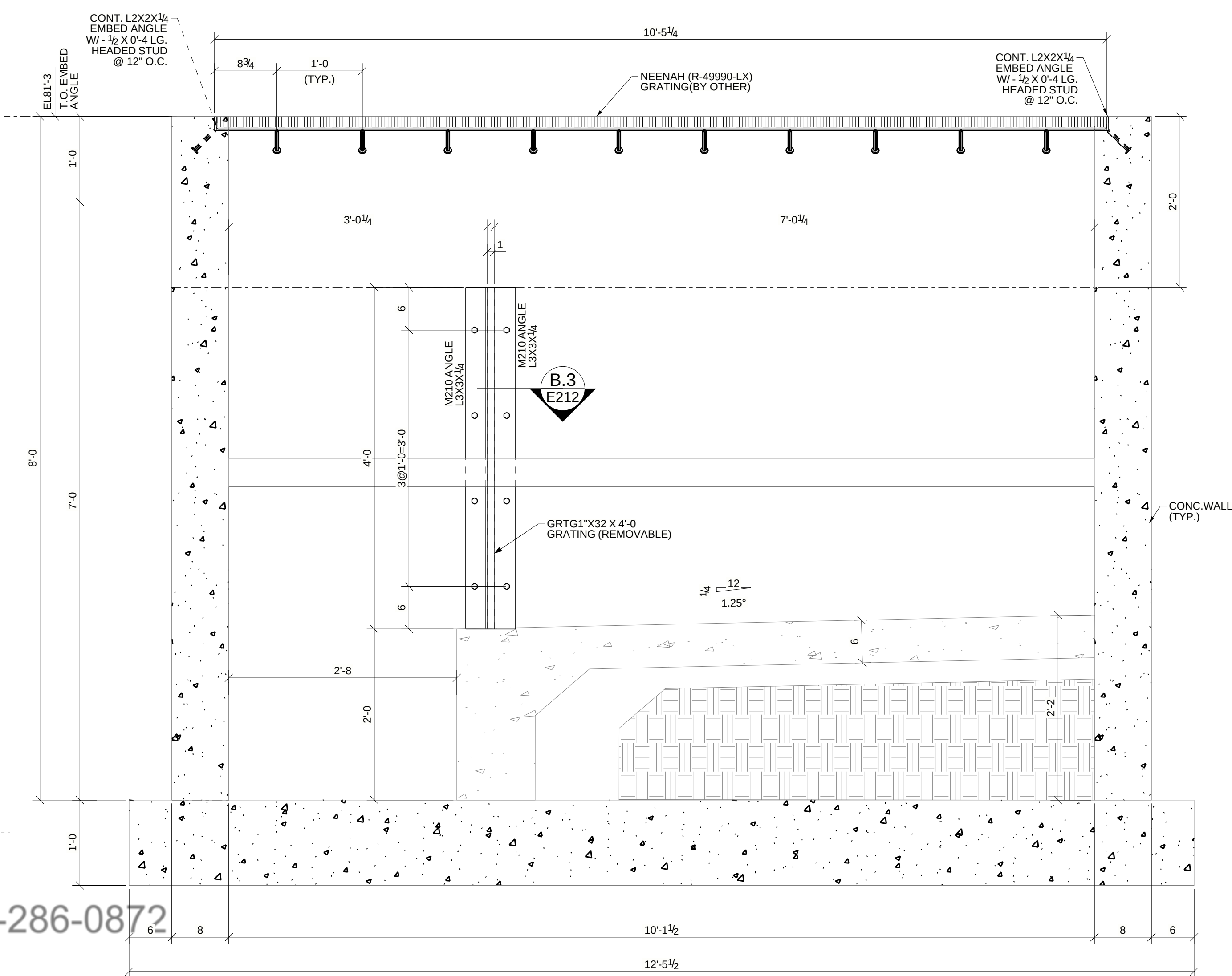
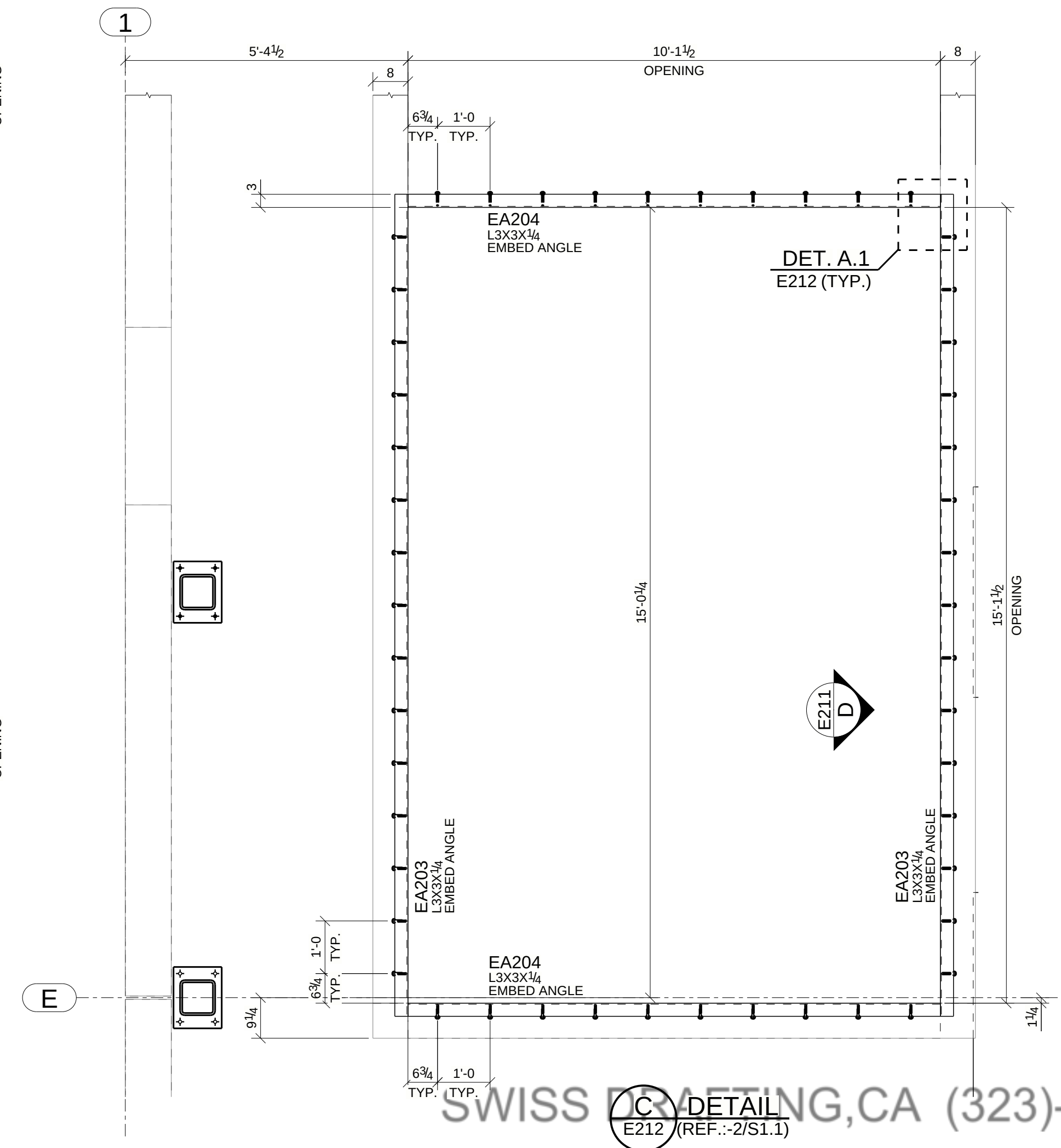
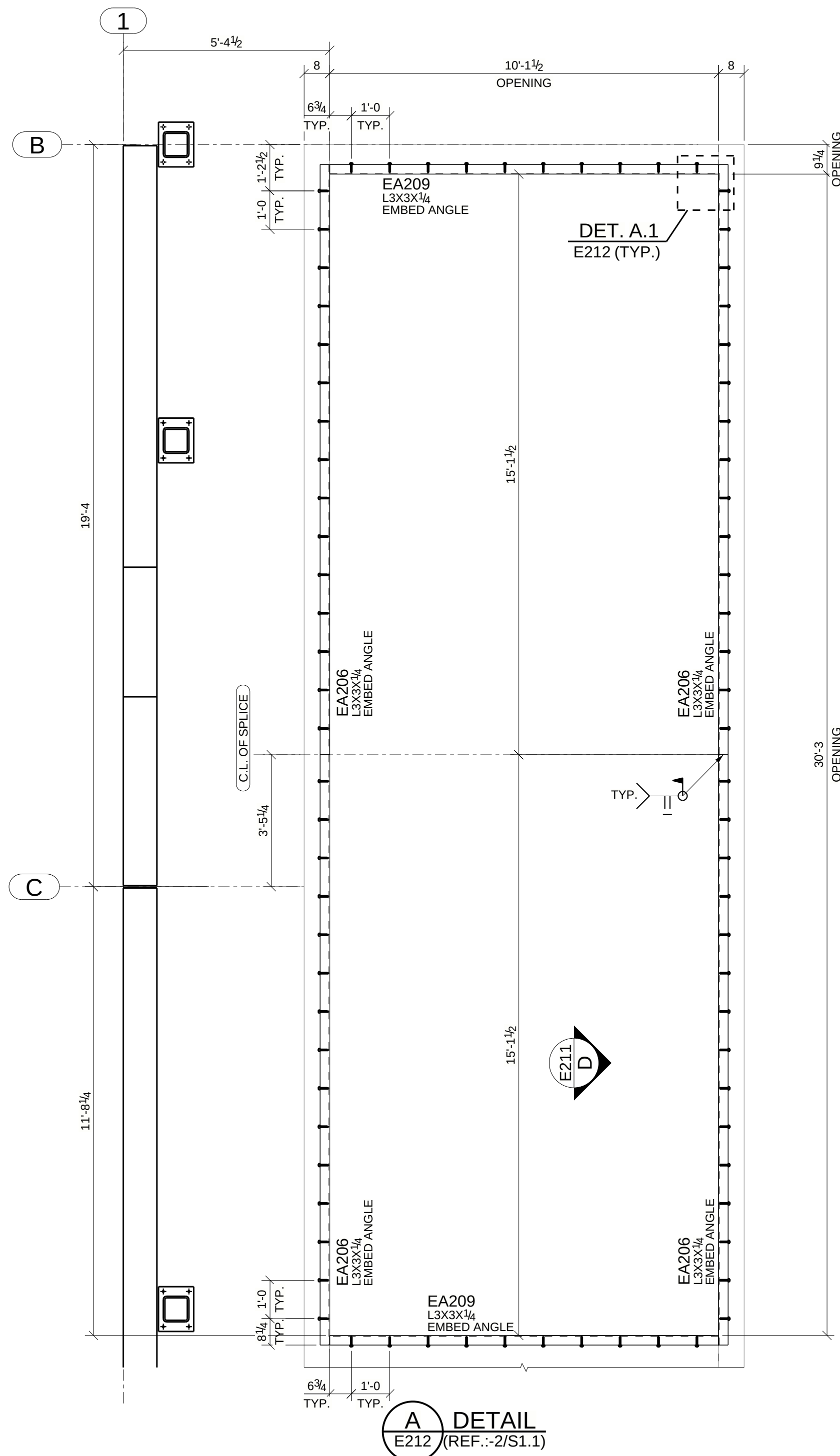
F LEDGER ANGLE SPLICE DETAIL
E204 (REF:-4/S-5.1)

PLEASE VERIFY ALL
CONNECTION ARRANGEMENT

APPROVER NOTE:

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D	FOR RE-APPROVAL	10/17/2025
C	FOR RE-APPROVAL	08/18/2025
B	FOR RE-APPROVAL	02/28/2025
A	FOR APPROVAL	02/12/2025
REV	DESCRIPTION	DATE
DESCRIPTION	SECTIONS & DETAILS	
PROJECT NAME	PARKWAY TRANSFER STATION	
DRAWN BY		JOB No.
DATE DRAWN	02/12/2025	DRG No.
		E210



APPROVER NOTE:

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D	FOR RE-APPROVAL	10/17/2025
C	FOR RE-APPROVAL	08/18/2025
B	FOR RE-APPROVAL	02/28/2025
A	FOR APPROVAL	02/12/2025
REV	DESCRIPTION	DATE
DESCRIPTION	TUNNEL SUMPIT PLAN	
PROJECT NAME	PARKWAY TRANSFER STATION	
DRAWN BY		JOB No.
DATE DRAWN	02/12/2025	DRG No. E212

TEMA STRUCTURES

DRG. NO.	DESCRIPTION	DATES	REVISION
E0	COVER PAGE	22-FEBRUARY-2023	C
E1	EIGHTH FLOOR LOFT FRAMING PLAN	22-FEBRUARY-2023	C
E3	SECTIONS	22-FEBRUARY-2023	C
E4	SECTIONS	22-FEBRUARY-2023	C



KERR INDUSTRIES INC
933 RANSOM RD. STE B
LANCASTER, NY 14086
PH. 716-685-5377
FAX. 716-299-2902

ERECTION NOTES

- PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
- PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

GENERAL NOTES

- STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
- STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELOW.
- STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
- STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
- ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
- TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
- ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
- MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A	09/26/22	FOR APPROVAL
B	11/08/22	REVISED PER EOR
C	02/22/23	REVISED PER FIELD

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY- PHASE I

LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

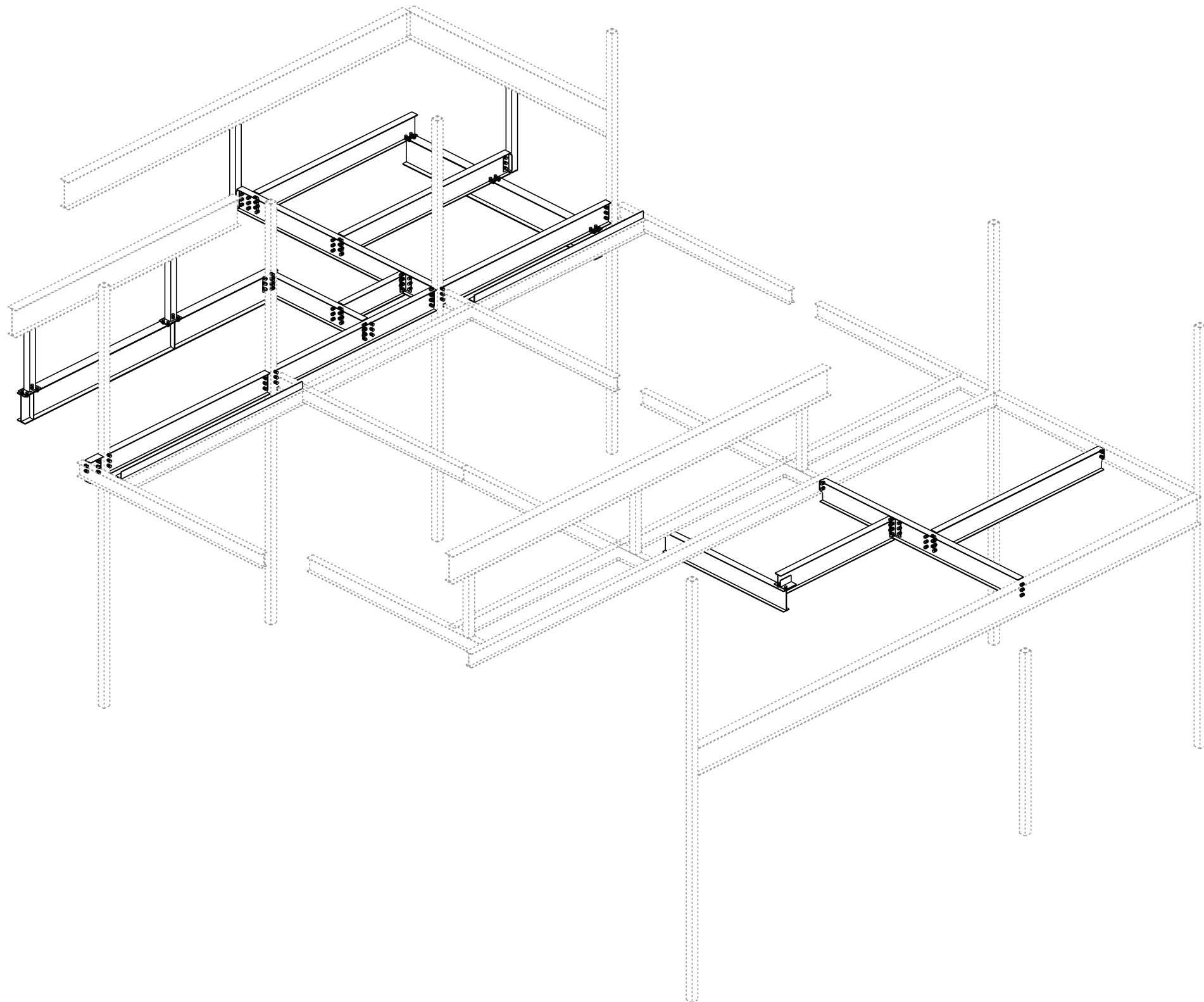
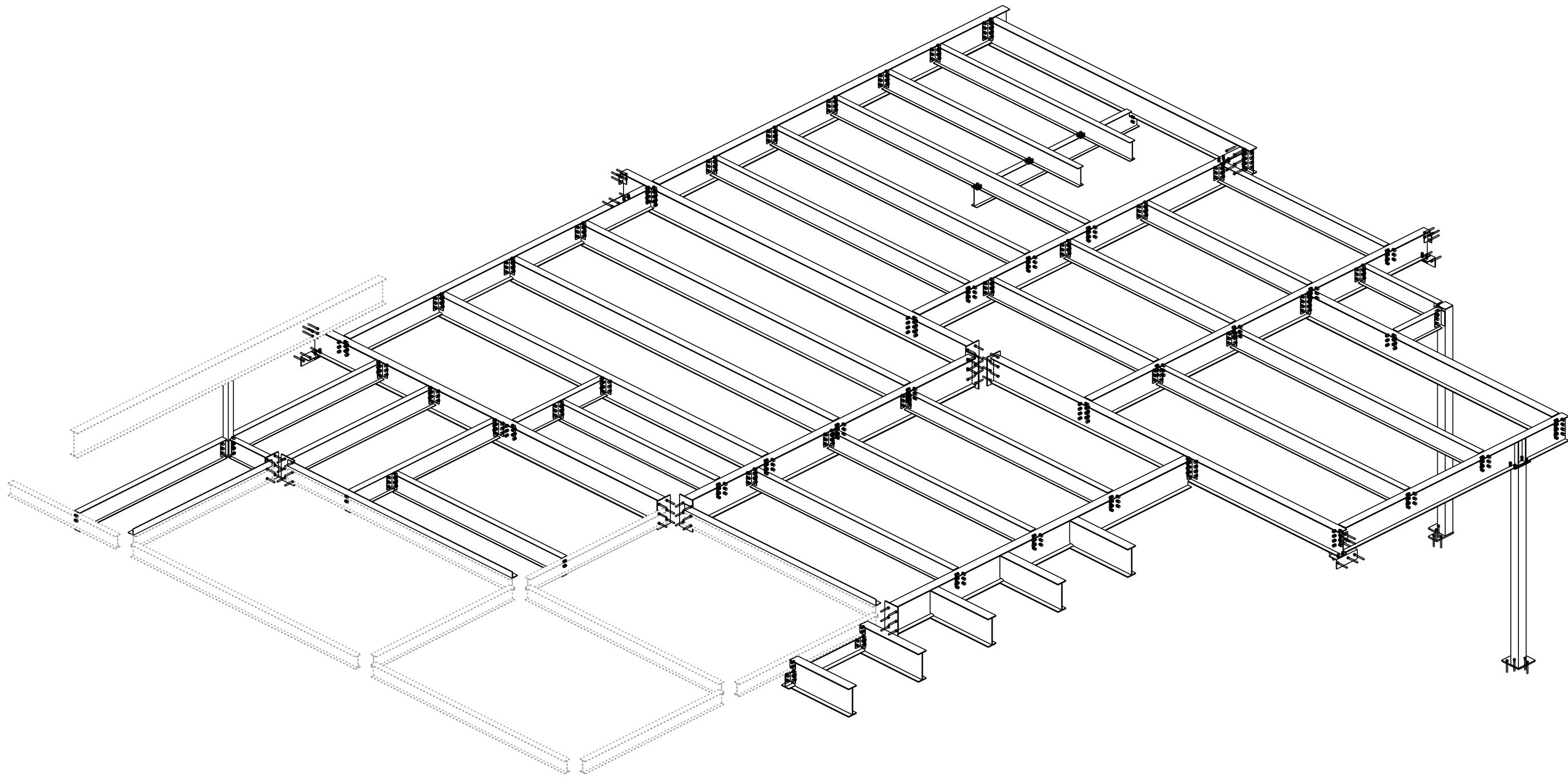
COVER PAGE

DRAWN BY	CHECKED BY
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RH	EU
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JOB #	SHEET #
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E0



SWISS DRAFTING,CA (323)-286-0872

ISOMETRIC VIEW



KERR INDUSTRIES INC
933 RANSOM RD. STE B
LANCASTER, NY 14086
PH. 716-685-5377
FAX. 716-299-2902

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- ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
- TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
- ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
- MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992-50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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FOR THE VERIFICATION AND
COORDINATION OF ALL
DIMENSIONS & ELEVATIONS
ON THIS DRAWINGS WITH
THOSE THAT EXIST IN
THE FIELD.

REVISION

09/26/22	FOR APPROVAL
11/08/22	REVISED PER EC
02/22/23	REVISED PER FI

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF SILO CITY: PHASE I

LOCATIO

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

EIGHTH FLOOR LOFT
FRAMING PLAN

DRAWN BY	CHECKED
----------	---------

RH	EU
----	----

JOB #	SHEET

E1

NOTE TO APPROVER:
1. THESE DWGS ARE OUR INTPEARTATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.

1 EIGHTH FLOOR LOFT FRAMING PLAN

REF.: S-208

GENERAL NOTES:

1. DATUM LEVEL = FINISH FLOOR = 0'-0".
2. ALL ELEVATIONS ARE GIVEN FROM DATUM EL.
3. TOS = ALL TOP OF STEEL ELEV. = 12'-0" (UNO).
4. FOR ALL L4X4 ANGLE TO EXISTING BEAM
REFER TO DETAIL 10/E2.

NOTE TO ARCHITECT:

PLEASE VERIFY ALL DIMENSION AND ELEVATIONS AS SHOWN.

NOTE TO GC.:

SIZE & ELEVATIONS OF EXISTING BEAMS MUST BE FIELD
VERIFIED. CONNECTION DETAILS OF NEW BEAMS TO
EXISTING BEAMS TO BE VERIFIED.
WE NEED A FIELD SURVEY SHOWING ALL EXISTING MEMBERS
LOCATIONS, SPECIALLY RCC COLUMNS & WALL
LOCATIONS PRIOR TO FABRICATION

NOTE TO GC.:
CONN. OF 6B3 TO EX. WALL
ARE TO BE FIELD VERIFIED

NOTE TO GC.:
PLEASE VERIFY ALL
CLOUDED DIMENSIONS.

EX. BEAMS AND COLUMNS
ARE TO BE FIELD VERIFIED

- ARCH. TO VERIFY STAIR
- OPENING DIMENSIONS.

ERECTION NOTES

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GENERAL NOTES

1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELTOW.
3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPPES
ASTM A36 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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REVISIONS

A 09/26/22 FOR APPROVAL
B 11/08/22 REVISED PER EOR
C 02/22/23 REVISED PER FIELD

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

SECTIONS

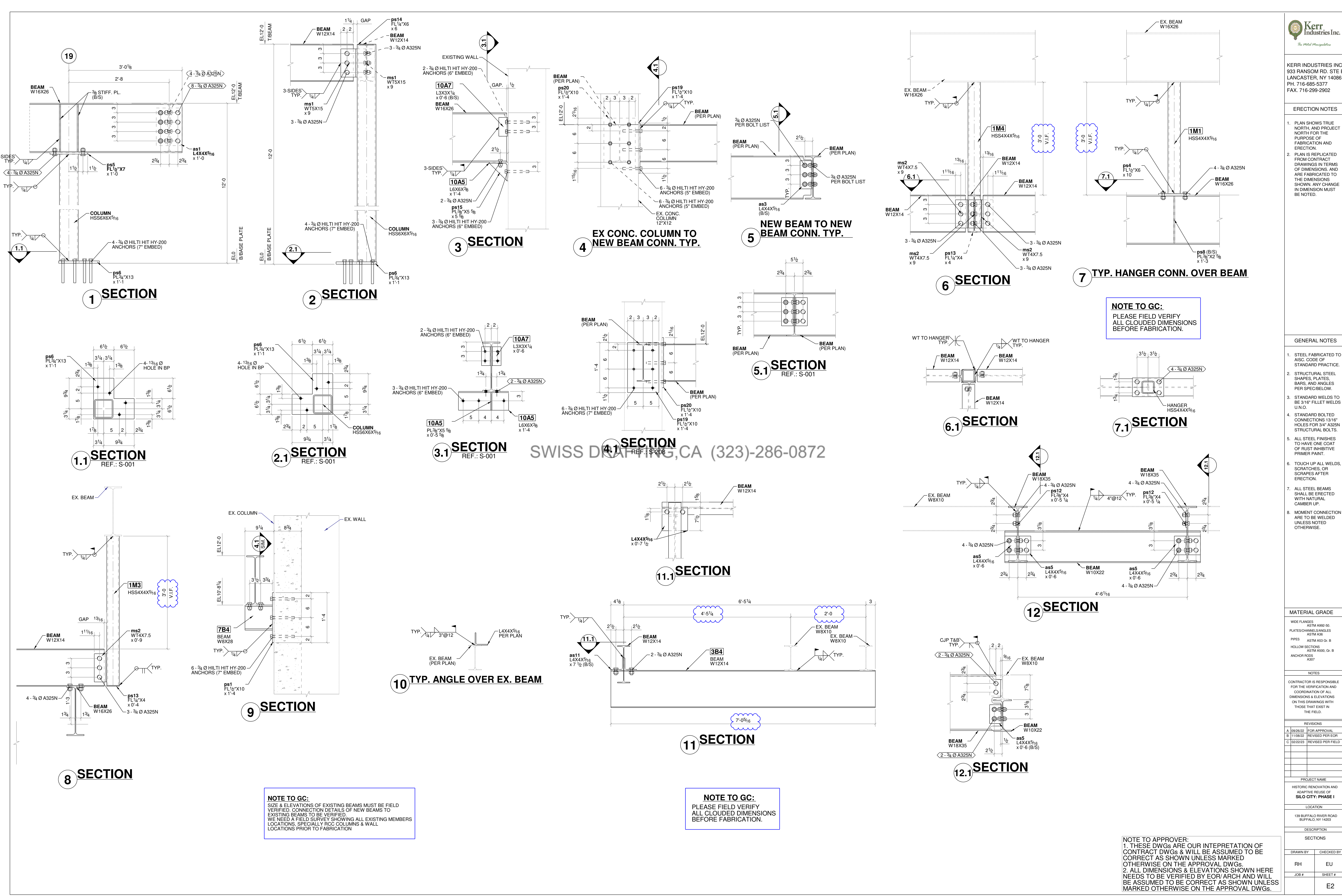
DRAWN BY CHECKED BY

RH EU

JOB # SHEET #

E2

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NOTE TO GC:
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WE NEED A FIELD SURVEY SHOWING ALL EXISTING MEMBERS LOCATIONS, SPECIALLY RCC COLUMNS & WALL LOCATIONS PRIOR TO FABRICATION

NOTE TO GC:
PLEASE FIELD VERIFY ALL CLOUDED DIMENSIONS BEFORE FABRICATION.

NOTE TO GC:
PLEASE FIELD VERIFY ALL CLOUDED DIMENSIONS BEFORE FABRICATION.

SWISS DRAFTING, CA (323)-286-0872

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2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

GENERAL NOTES

1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELLOW.
3. STANDARD WELDS TO BE 3/16" FILLET WELDS UNLESS NOTED.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A	09/26/22	FOR APPROVAL
B	11/08/22	REVISED PER EOR
C	02/22/23	REVISED PER FIELD

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION

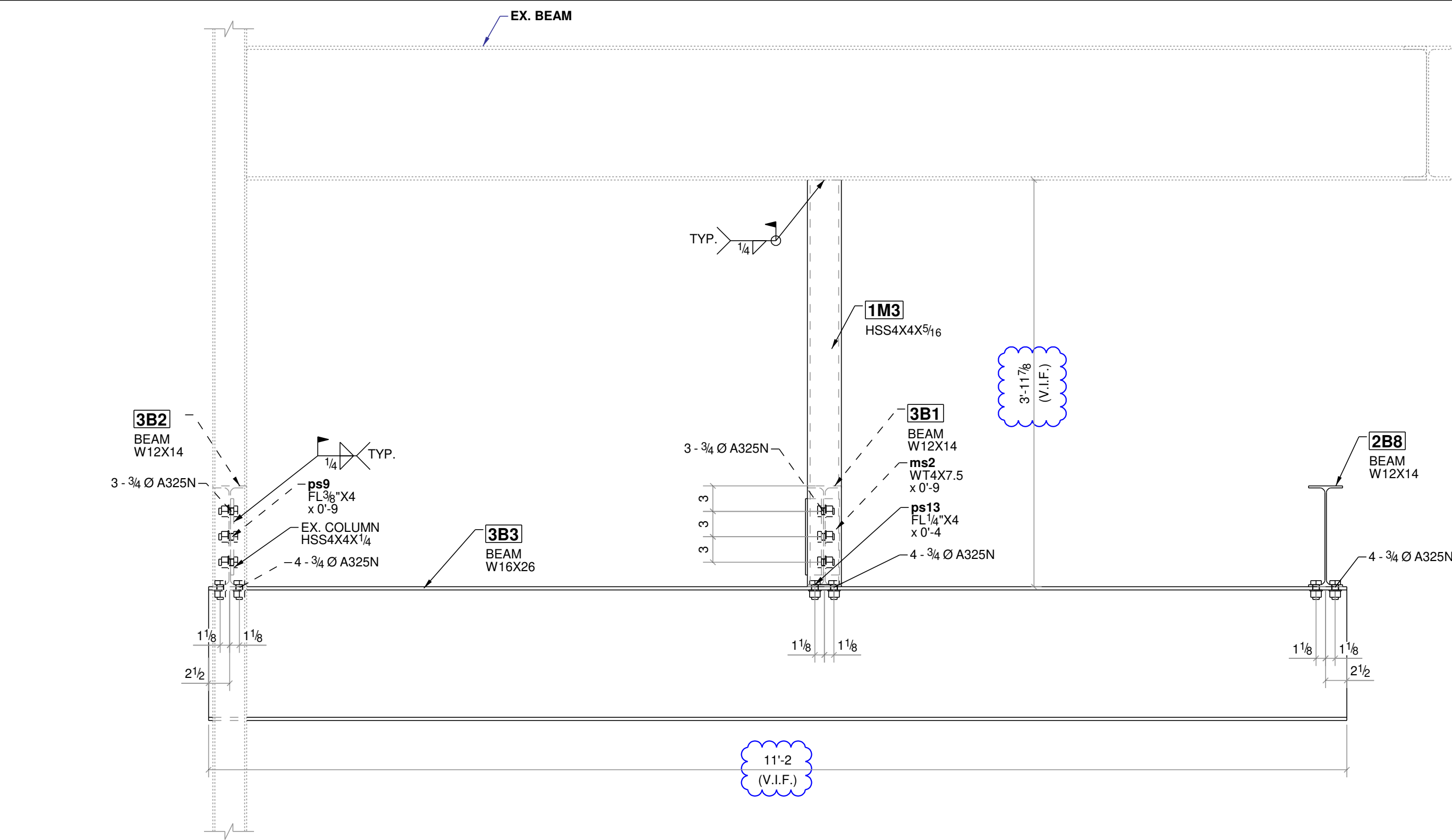
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

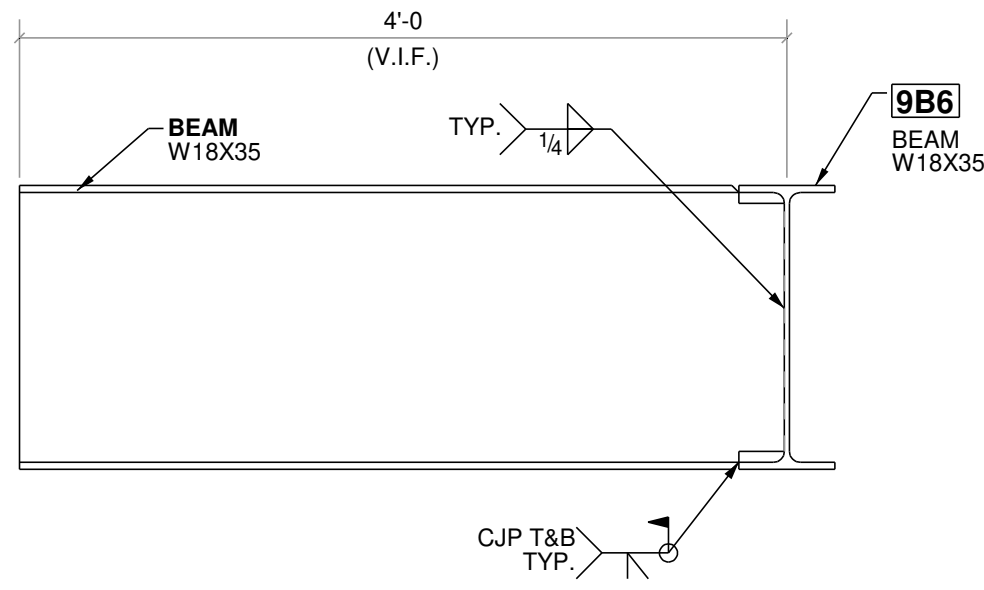
SECTIONS

DRAWN BY	CHECKED BY
RH	EU
JOB #	SHEET #
	E3

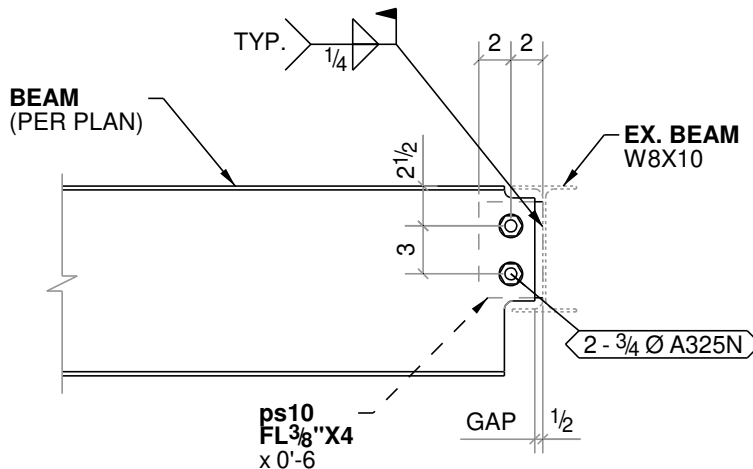
NOTE TO APPROVER:
1. THESE DWGS ARE OUR INTEPRETATION OF CONTRACT DWGS & WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.
2. ALL DIMENSIONS & ELEVATIONS SHOWN HERE NEEDS TO BE VERIFIED BY EOR/ ARCH AND WILL BE ASSUMED TO BE CORRECT AS SHOWN UNLESS MARKED OTHERWISE ON THE APPROVAL DWGS.



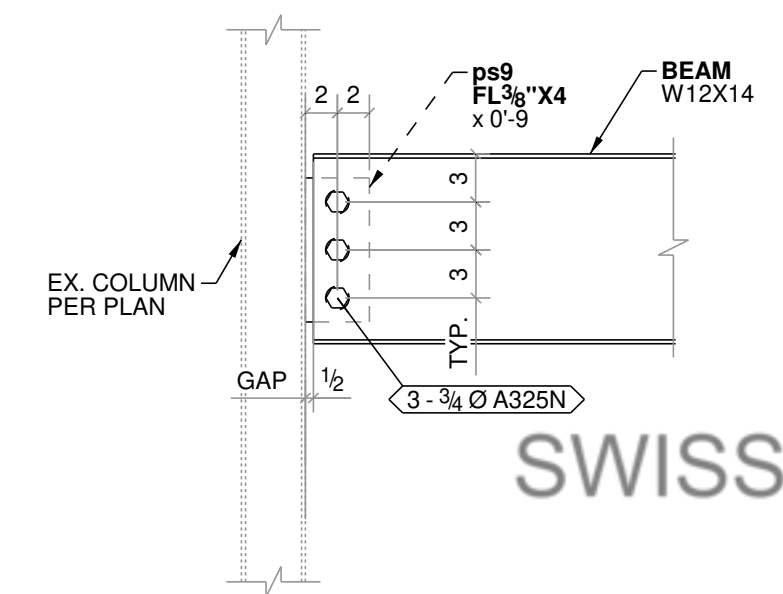
13 SECTION



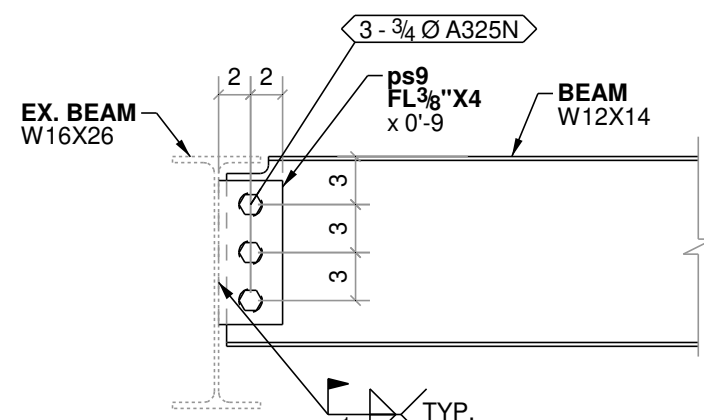
15 SECTION



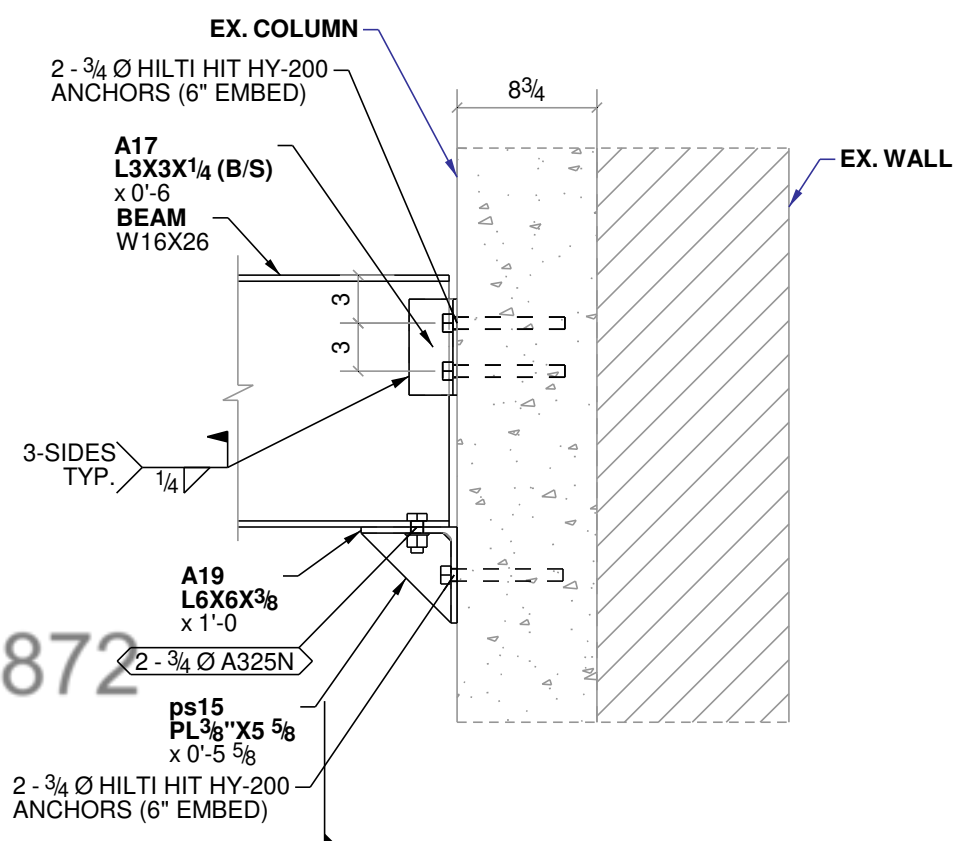
16 BEAM CONN. TO EX BEAM



17 BEAM CONN. TO EX COLUMN

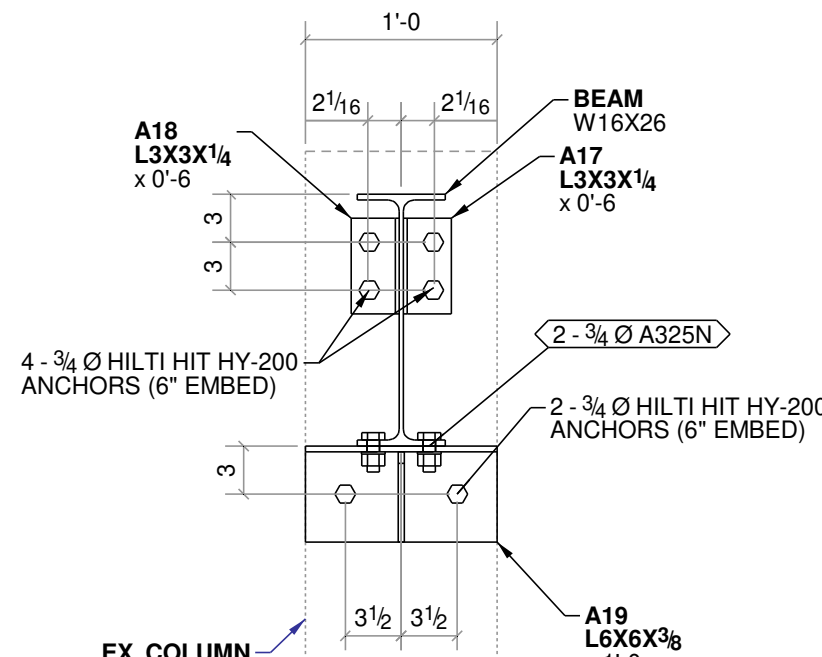


18 BEAM CONN. TO EX BEAM



19 SECTION

REF.: N/A



19 SECTION

REF.: N/A

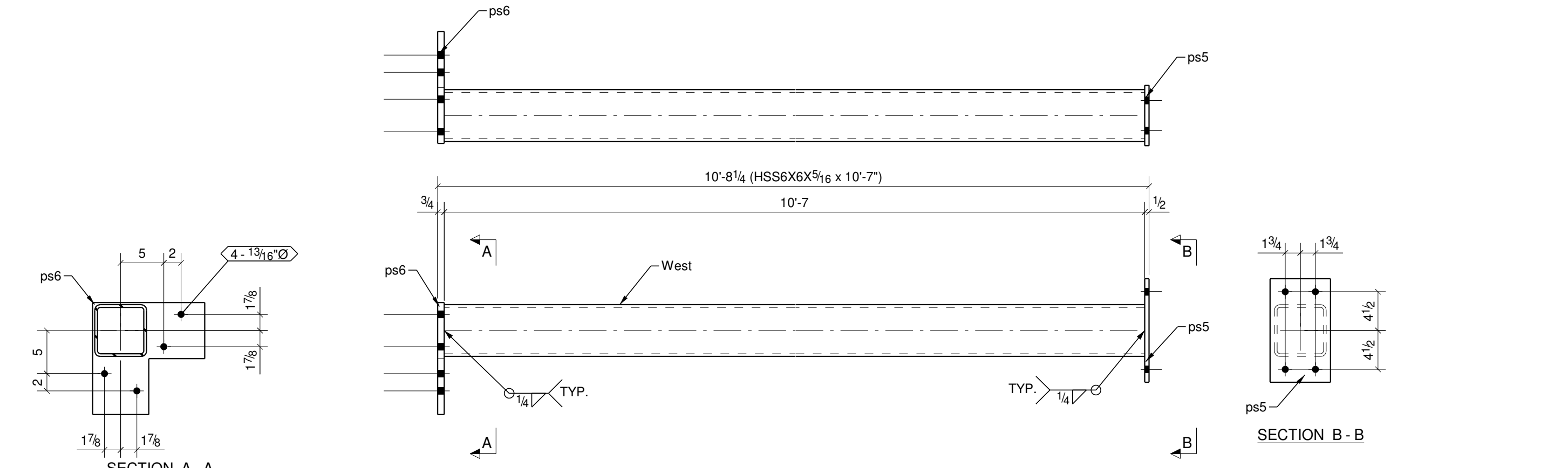
NOTE TO GC:

PLEASE FIELD VERIFY ALL CLOUDED DIMENSIONS BEFORE FABRICATION.

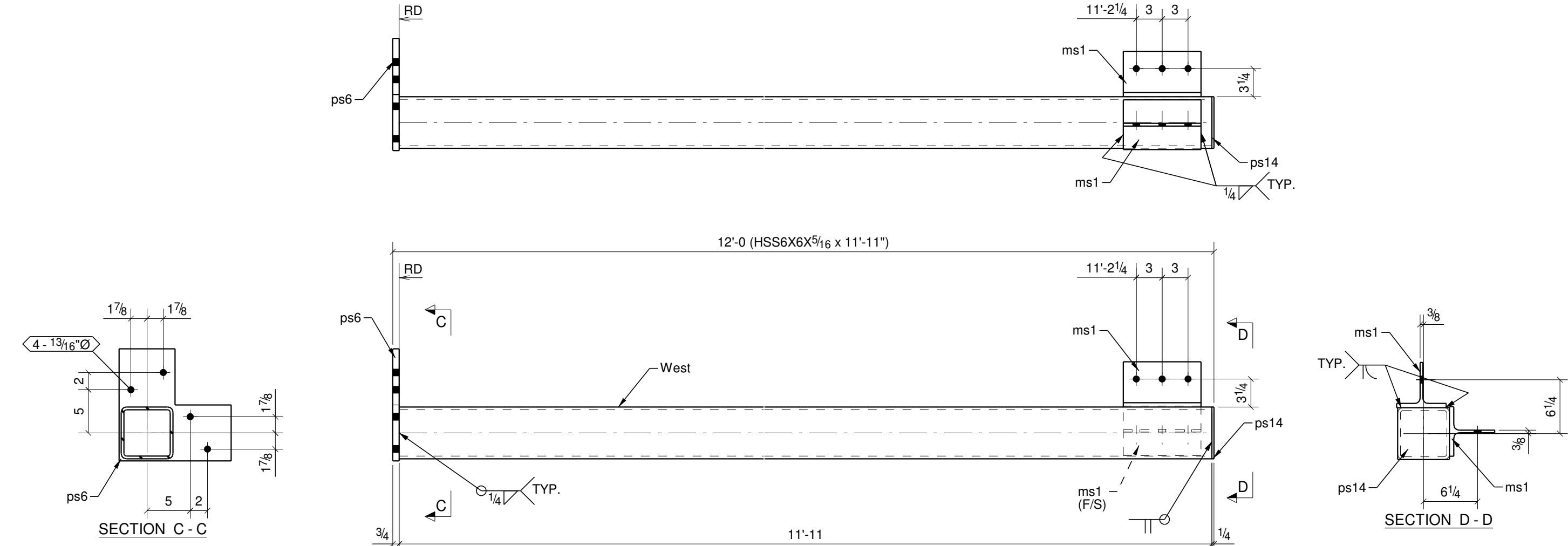
NOTE TO GC:

SIZE & ELEVATIONS OF EXISTING BEAMS MUST BE FIELD VERIFIED. CONNECTION DETAILS OF NEW BEAMS TO EXISTING BEAMS TO BE VERIFIED. WE NEED A FIELD SURVEY SHOWING ALL EXISTING MEMBERS LOCATIONS, SPECIALLY RCC COLUMNS & WALL LOCATIONS PRIOR TO FABRICATION

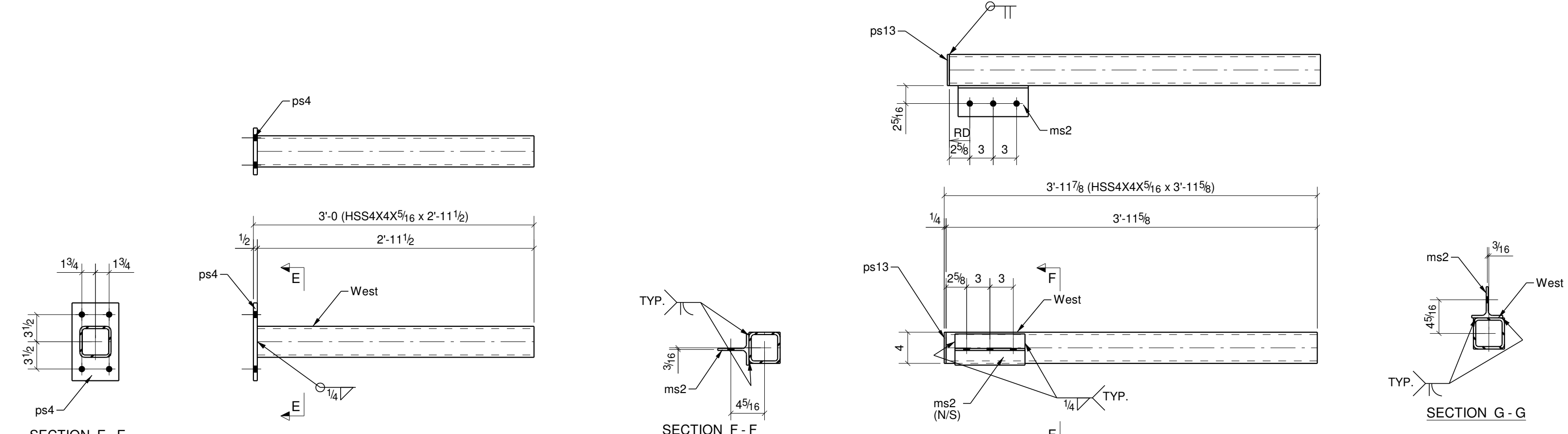
BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
1C1	1	COLUMN			SQ-2	
1C1	1	HSS6X6X5/16	10'-7"	232		A500-GR.B
ps5	1	PL1/2"x7"	1'-0"	12		A36
ps6	1	PL3/4"x13"	1'-1"	27		A36
1C2	1	COLUMN			SQ-2	
1C2	1	HSS6X6X5/16	11'-11"	261		A500-GR.B
ms1	2	WT5X15	0'-9"	23		A992
ps6	1	PL3/4"x13"	1'-1"	27		A36
ps14	1	PL1/4"x6"	0'-6"	3		A36
1M1	2	HANGERS			SQ-2	
1M1	2	HSS4X4X5/16	2'-11 1/2"	83		A500-GR.B
ps4	2	PL1/2"x6"	0'-10"	17		A36
1M2	1	HANGER			SQ-2	
1M2	1	HSS4X4X5/16	3'-11 5/8"	55		A500-GR.B
ms2	1	WT4X7.5	0'-9"	6		A992
ps13	1	PL1/4"x4"	0'-4"	1		A36
1M3	1	HANGER			SQ-2	
1M3	1	HSS4X4X5/16	3'-11 5/8"	55		A500-GR.B
ms2	1	WT4X7.5	0'-9"	6		A992
ps13	1	PL1/4"x4"	0'-4"	1		A36
1M4	1	HANGER			SQ-2	
1M4	1	HSS4X4X5/16	3'-11 5/8"	55		A500-GR.B
ms2	3	WT4X7.5	0'-9"	17		A992
ps13	1	PL1/4"x4"	0'-4"	1		A36
TOTAL WEIGHT THIS DRAWING				881		



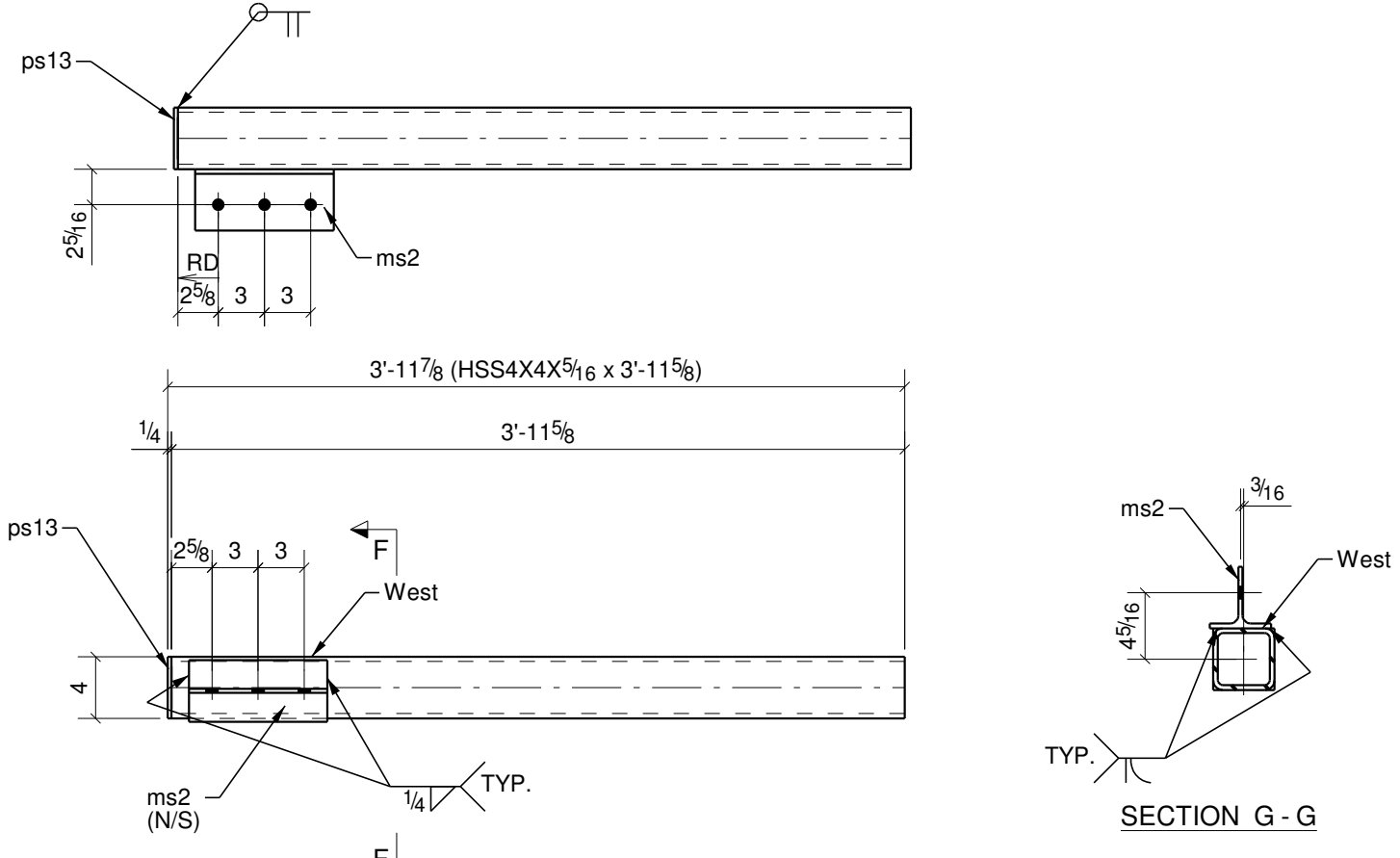
1 ~ COLUMN ~ 1C1



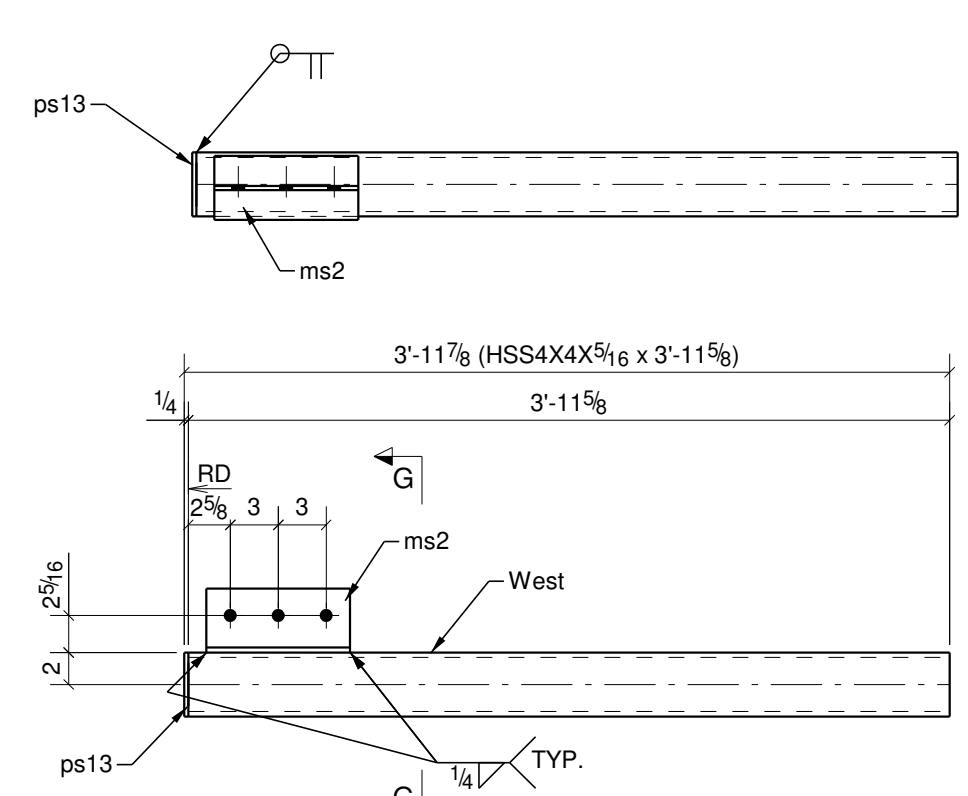
1 ~ COLUMN ~ 1C2
SWISS DRAFTING,CA (323)-286-0872



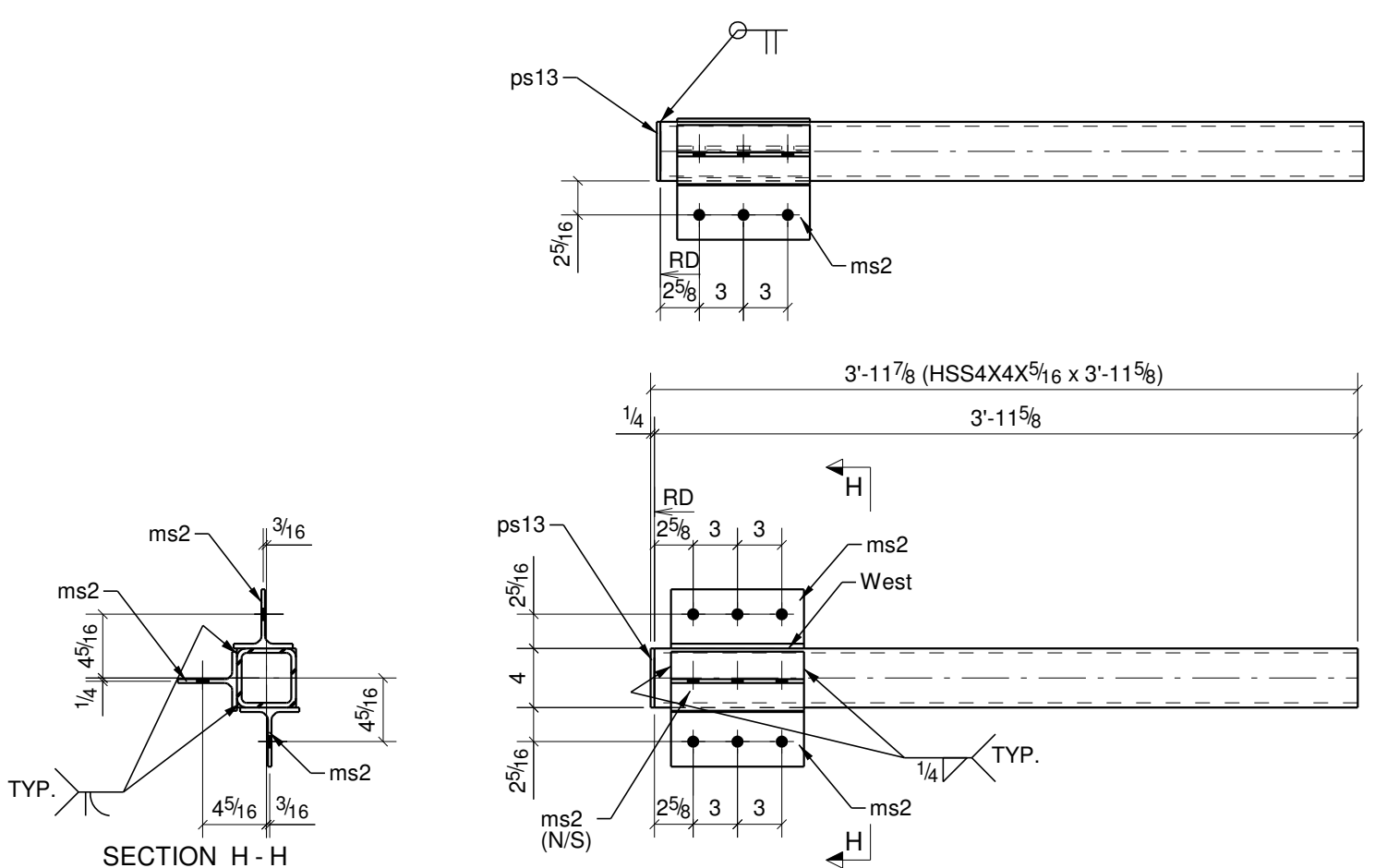
2 ~ HANGER ~ 1M1



1 ~ HANGER ~ 1M2



1 ~ HANGER ~ 1M3



1 ~ HANGER ~ 1M4



KERR INDUSTRIES INC
933 RANSOM RD. STE B
LANCASTER, NY 14086
PH. 716-685-5377
FAX. 716-299-2902

ERECTION NOTES

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MATERIAL GRADE

WIDE FLANGES
ASTM A992-00.

PLATES/CHANNELS/ANGLES
ASTM A36

PIPES
ASTM A53 Gr. B

HOLLOW SECTIONS
ASTM A500, Gr. B

ANCHOR RODS
A307

NOTES

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B	11/08/22 REVISED PER EOR
C	02/22/23 REVISED PER FIELD

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY-PHASE I

LOCATION

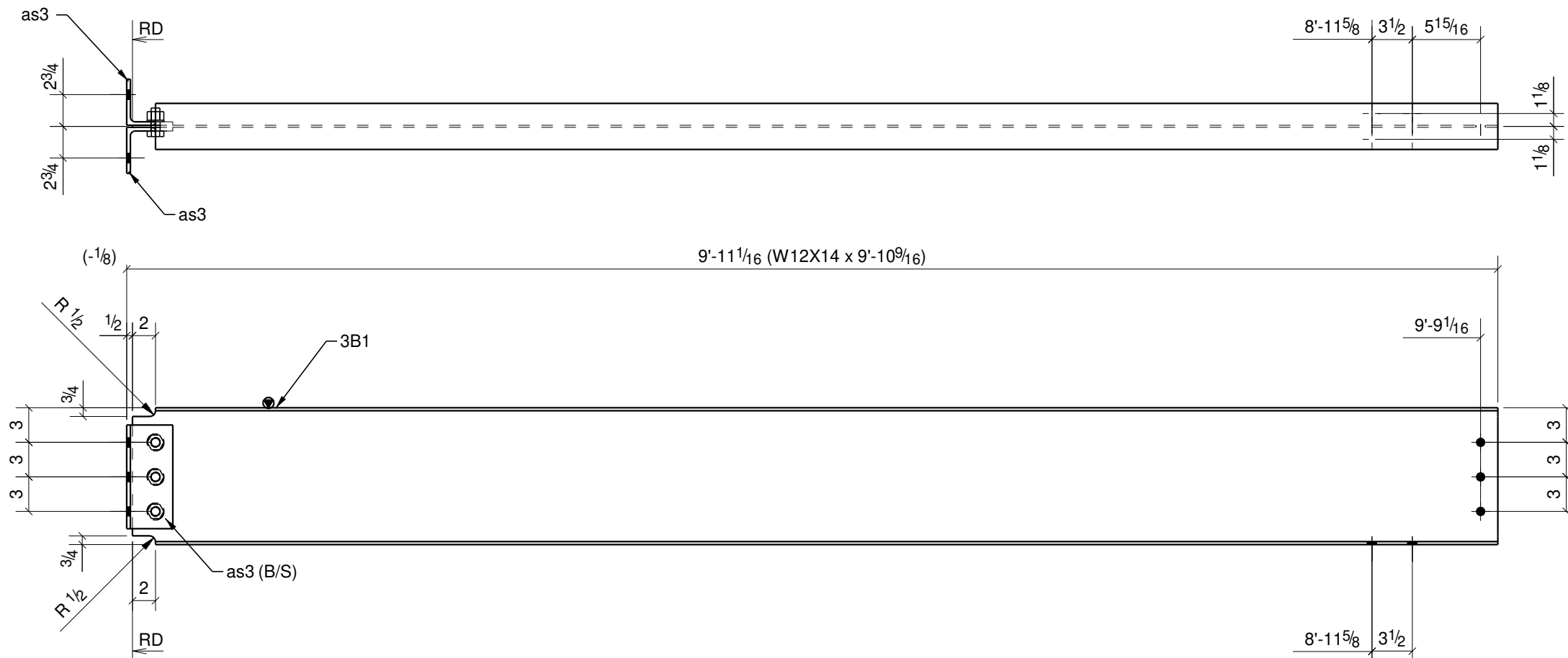
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

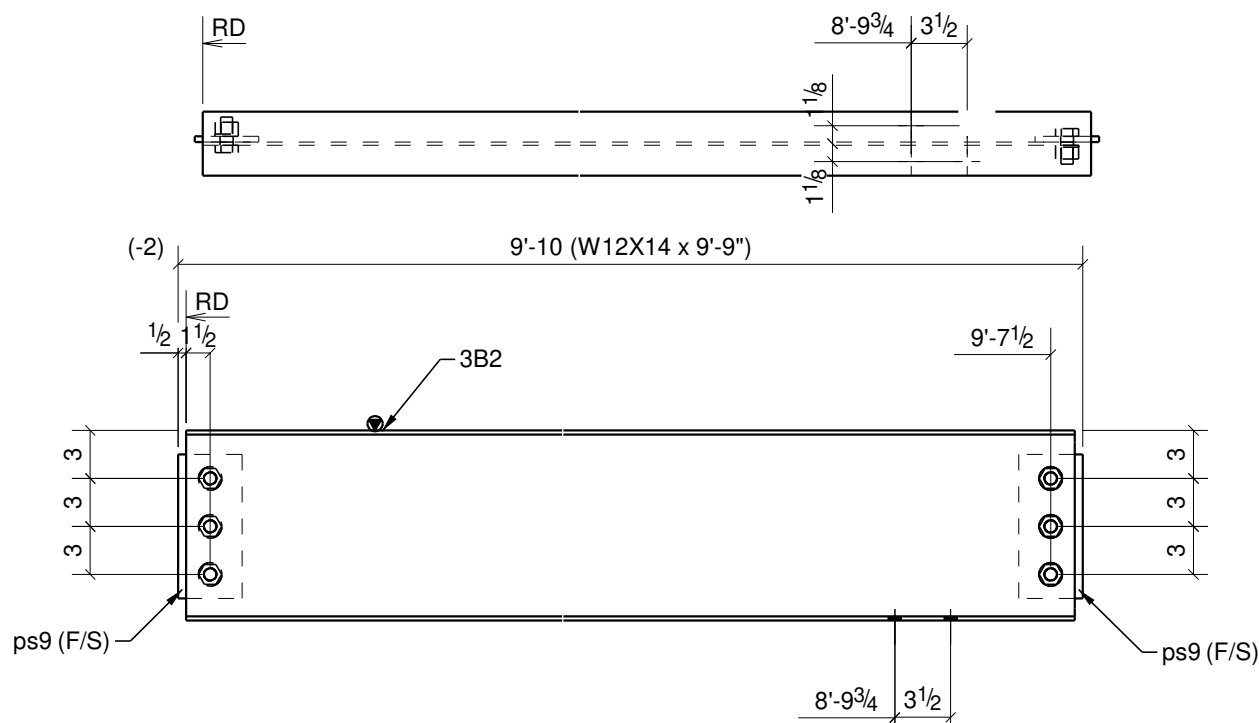
COLUMN DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	1

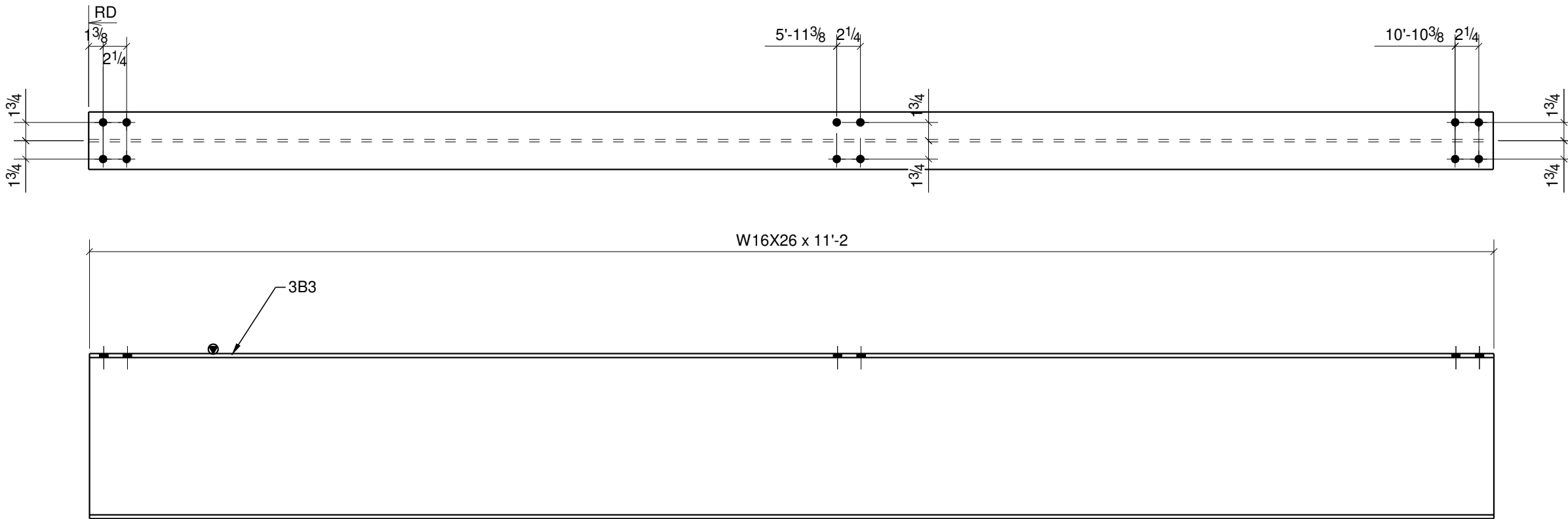
BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
3B1	1	BEAM			SQ-2	
3B1	1	W12X14	9'-10 9/16"	140		A992
as3	2	L4X4X5/16	0'-9"	12		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
3B2	1	BEAM			SQ-2	
3B2	1	W12X14	9'-9"	138		A992
ps9	2	PL3/8"X4"	0'-9"	8		A36
	6	3/4"Ø A325N BOLT	0'-1 3/4"	3	Workshop	
3B3	1	BEAM			SQ-2	
3B3	1	W16X26	11'-2"	292		A992
3B4	1	BEAM			SQ-2	
3B4	1	W12X14	7'-0 5/16"	100		A992
3B5	1	BEAM			SQ-2	
3B5	1	W12X14	6'-9 1/2"	96		A992
as3	2	L4X4X5/16	0'-9"	12		A36
as11	1	L4X4X5/16	0'-7 1/2"	5		A36
as12	1	L4X4X5/16	0'-7 1/2"	5		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
3B6	1	BEAM			SQ-2	
3B6	1	W12X14	11'-10 13/16"	168		A992
ps9	1	PL3/8"X4"	0'-9"	4		A36
ps10	1	PL3/8"X4"	0'-5"	3		A36
	5	3/4"Ø A325N BOLT	0'-1 3/4"	3	Workshop	
3B7	1	BEAM			SQ-2	
3B7	1	W12X14	10'-0 13/16"	142		A992
as3	2	L4X4X5/16	0'-9"	12		A36
ps10	1	PL3/8"X4"	0'-5"	3		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
	2	3/4"Ø A325N BOLT	0'-1 3/4"	1	Workshop	
TOTAL WEIGHT THIS DRAWING				1152		



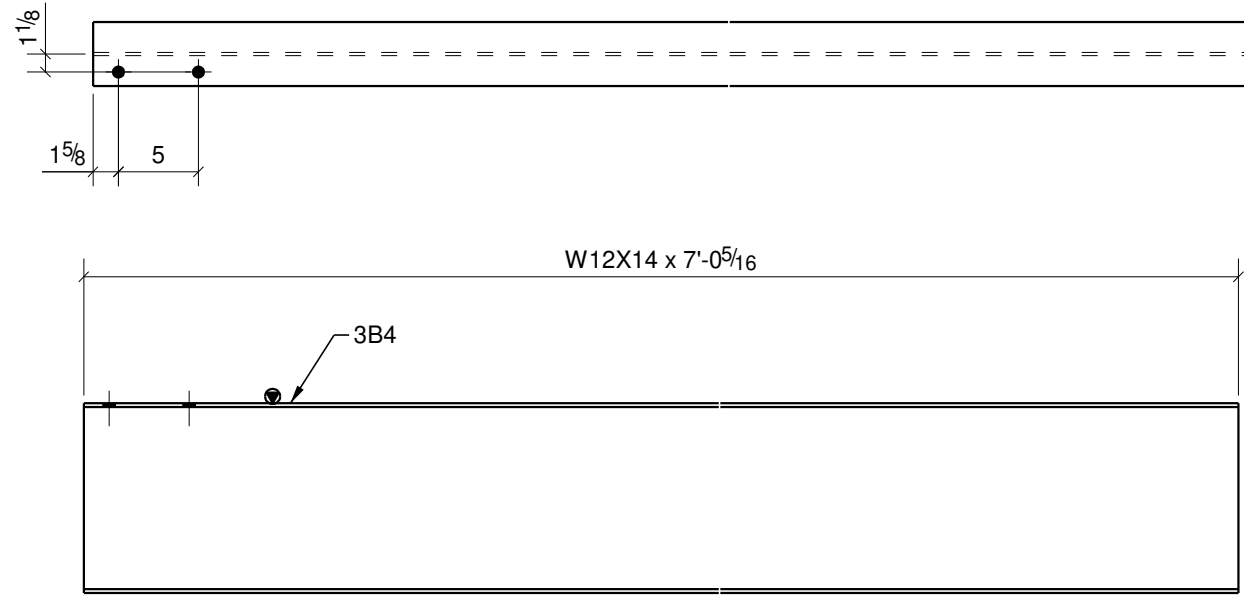
1 ~ BEAM ~ 3B1



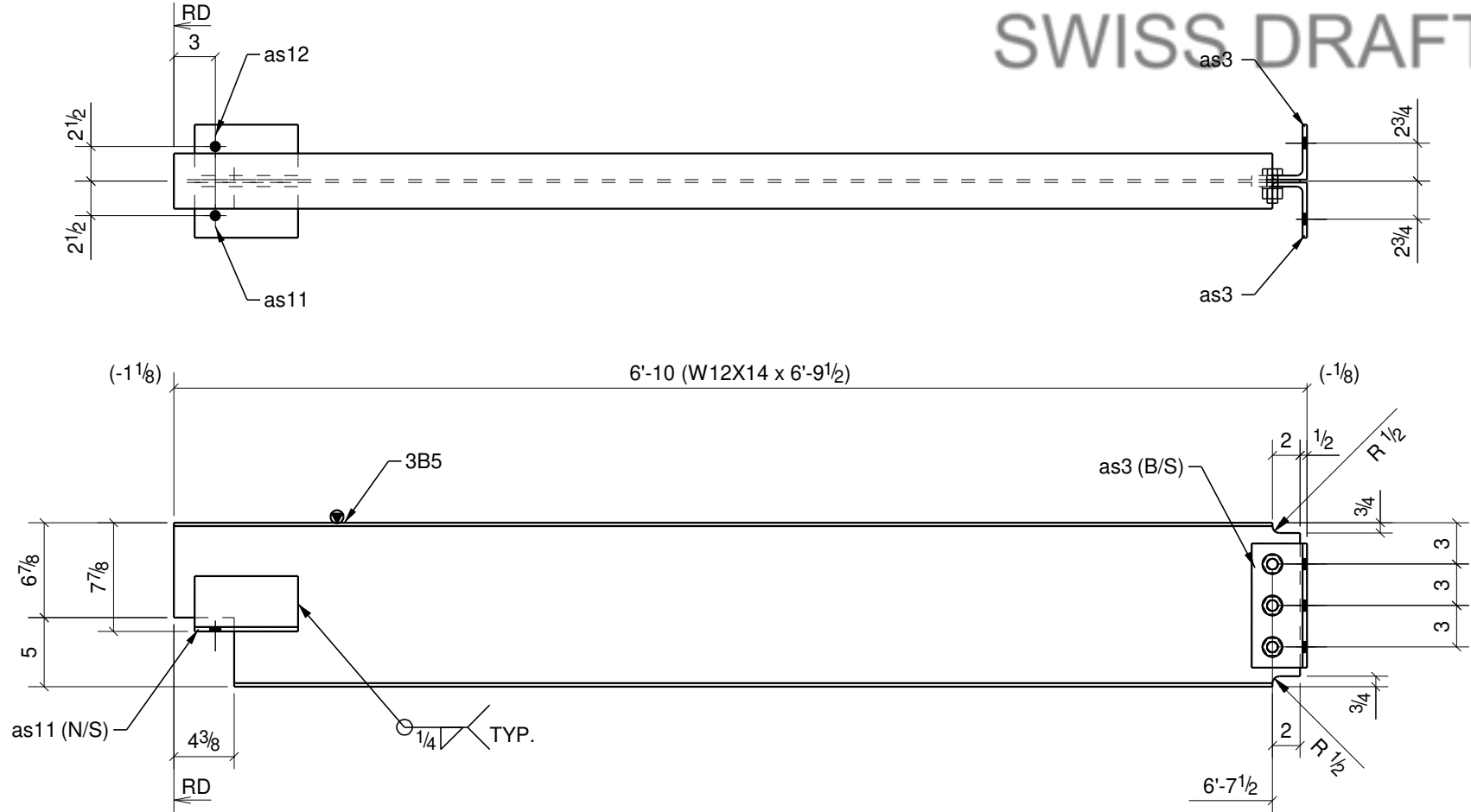
1 ~ BEAM ~ 3B2



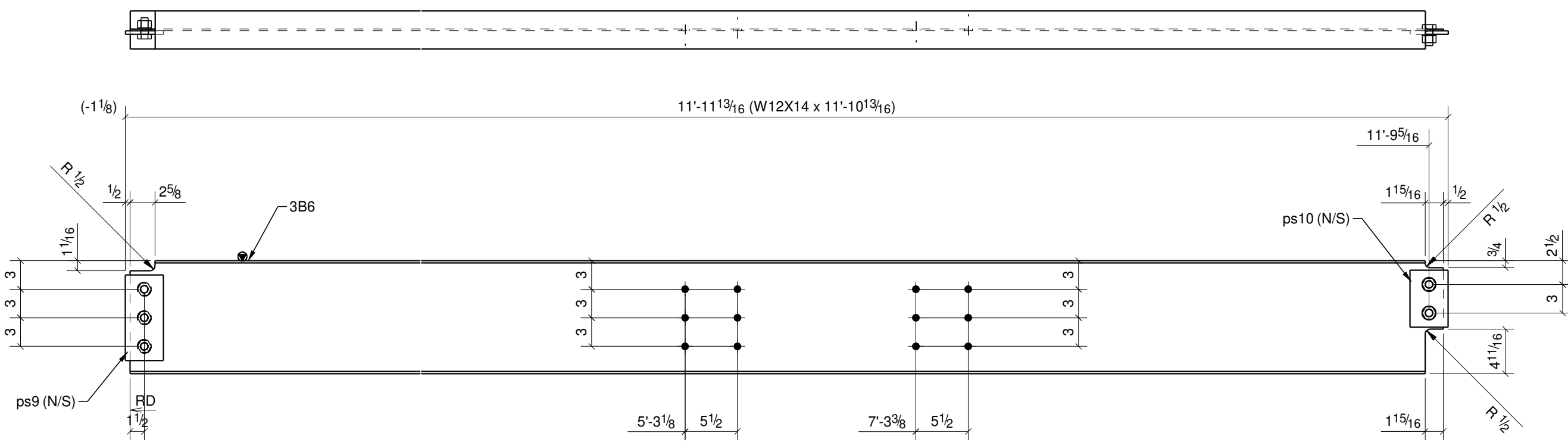
1 ~ BEAM ~ 3B3



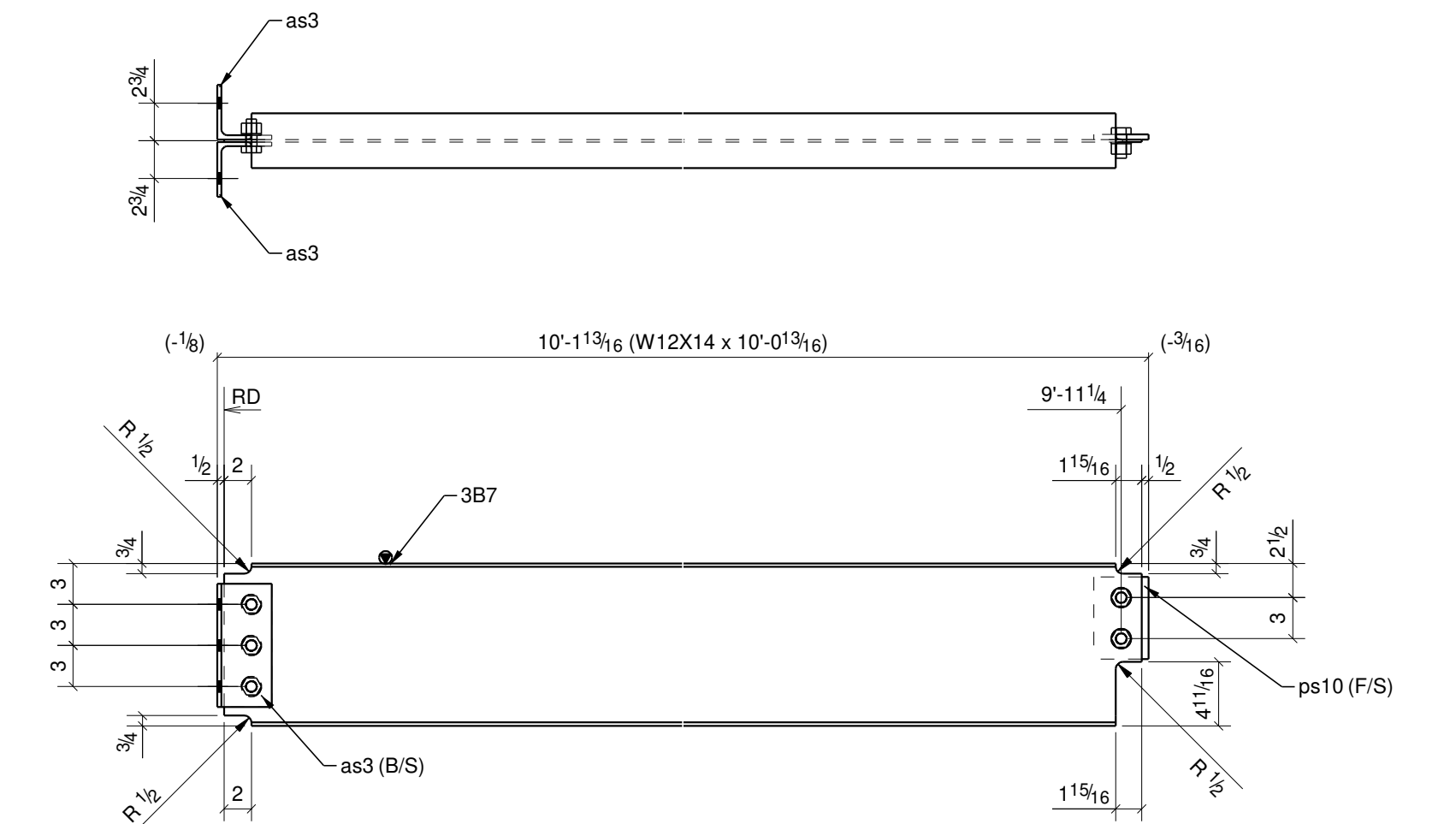
1 ~ BEAM ~ 3B4



1 ~ BEAM ~ 3B5



1 ~ BEAM ~ 3B6



1 ~ BEAM ~ 3B7

SWISS DRAFTING,CA (323)-286-0872



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LANCASTER, NY 14086
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MATERIAL GRADE

- WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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REVISIONS

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B	11/08/22	REVISED PER EOR
C	02/22/23	REVISED PER FIELD

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY-PHASE I

LOCATION

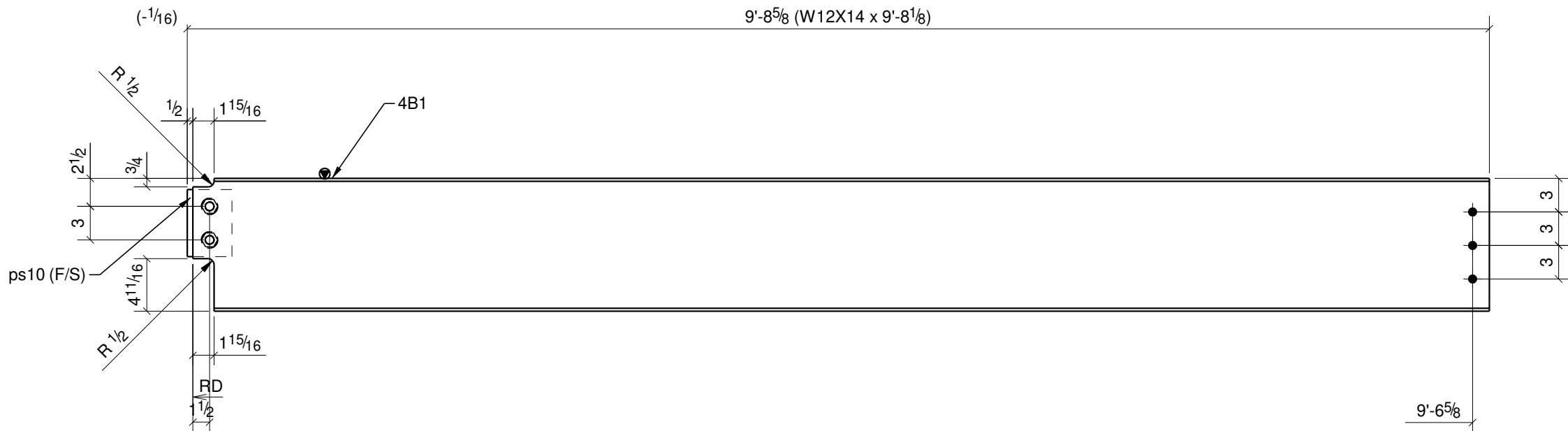
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

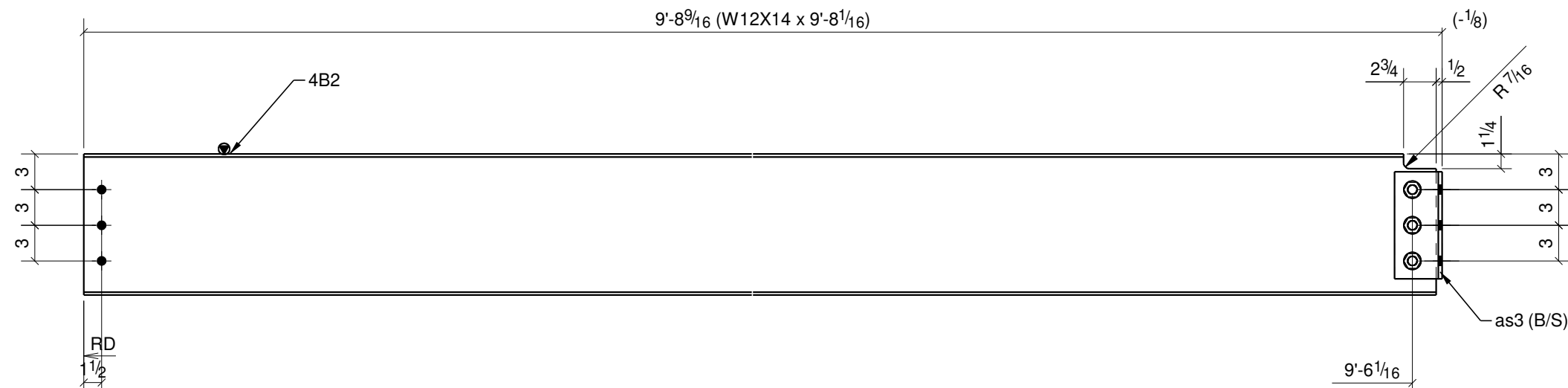
BEAM DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	3

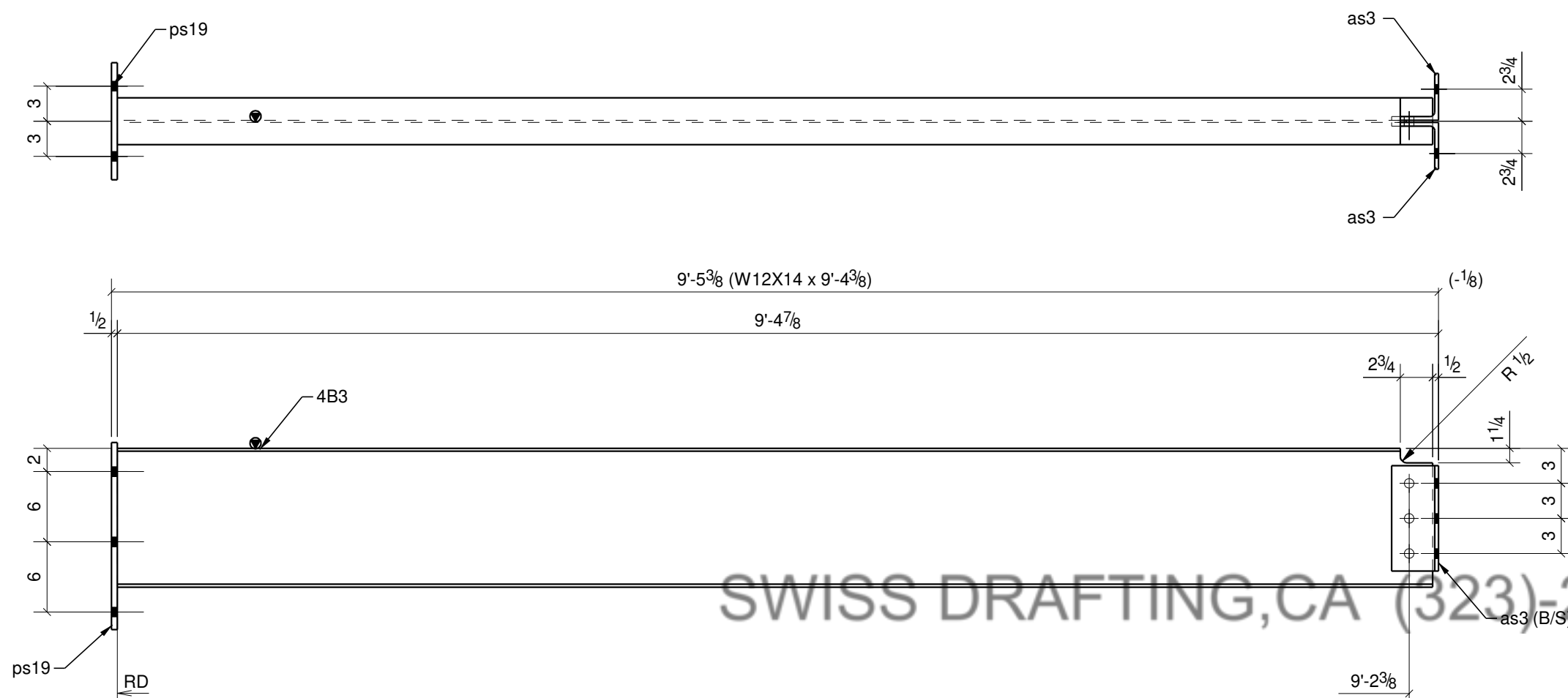
BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
4B1	1	BEAM			SQ-2	
4B1	1	W12X14	9'-8 1/8"	137		A992
ps10	1	PL3/8"x4"	0'-6"	3		A36
	2	3/4"Ø A325N BOLT	0'-1 3/4"	1	Workshop	
4B2	1	BEAM			SQ-2	
4B2	1	W12X14	9'-8 1/16"	137		A992
as3	2	L4X4X5/16	0'-9"	12		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
4B3	1	BEAM			SQ-2	
4B3	1	W12X14	9'-4 3/8"	133		A992
as3	2	L4X4X5/16	0'-9"	12		A36
ps19	1	PL1/2"x10"	1'-4"	23		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
4B4	1	BEAM			SQ-2	
4B4	1	W12X14	9'-10 5/16"	140		A992
as3	1	L4X4X5/16	0'-9"	6		A36
ps10	1	PL3/8"x4"	0'-6"	3		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
	2	3/4"Ø A325N BOLT	0'-1 3/4"	1	Workshop	
4B5	1	BEAM			SQ-2	
4B5	1	W12X14	11'-2 13/16"	159		A992
as3	2	L4X4X5/16	0'-9"	12		A36
ps10	1	PL3/8"x4"	0'-6"	3		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
	2	3/4"Ø A325N BOLT	0'-1 3/4"	1	Workshop	
4B6	1	BEAM			SQ-2	
4B6	1	W16X26	22'-5 3/4"	588		A992
ps18	1	PL1/2"x10"	1'-6"	26		A36
		TOTAL WEIGHT THIS DRAWING		1402		



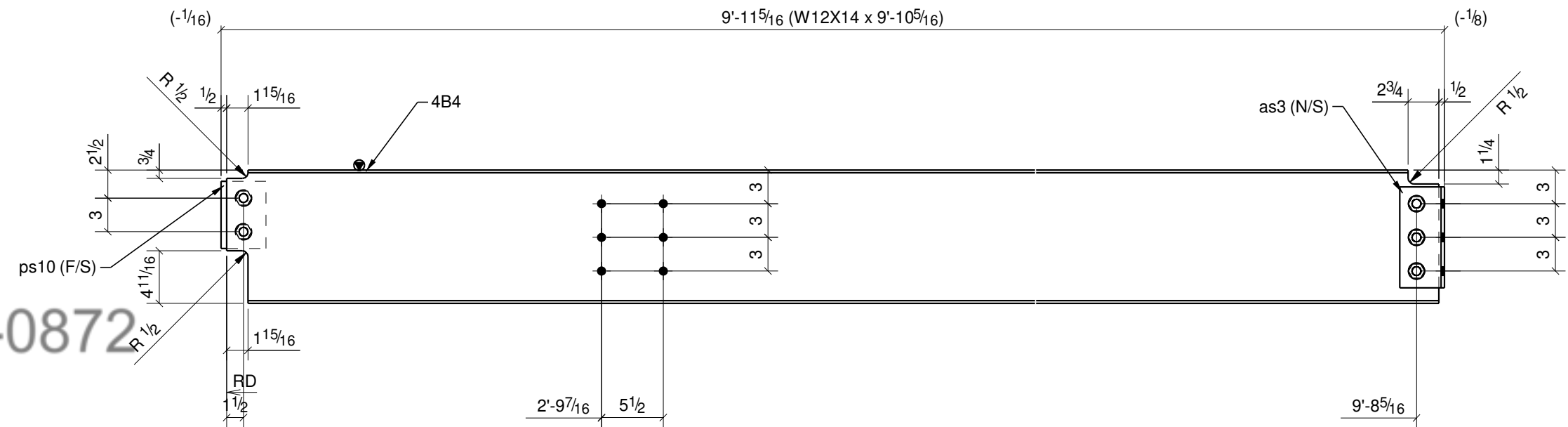
1 ~ BEAM ~ 4B1



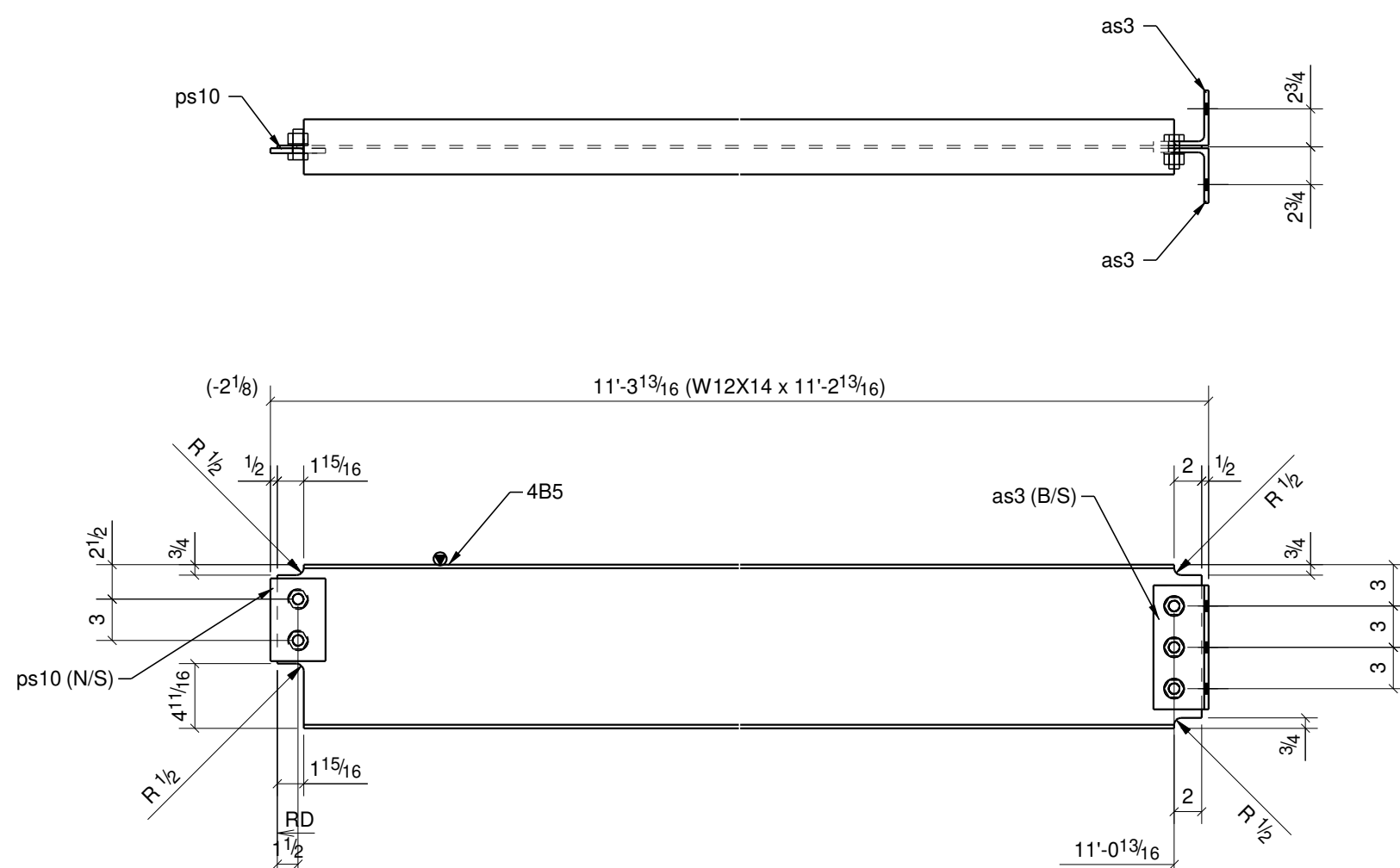
1 ~ BEAM ~ 4B2



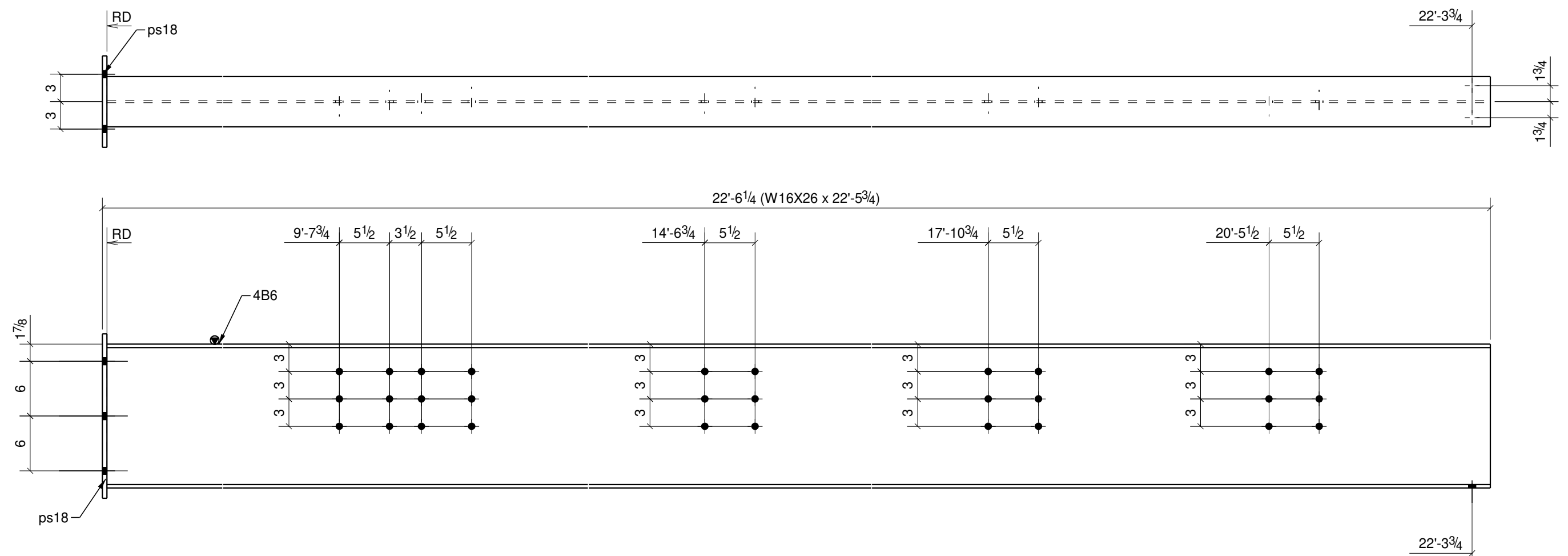
1 ~ BEAM ~ 4B3



1 ~ BEAM ~ 4B4



1 ~ BEAM ~ 4B5



1 ~ BEAM ~ 4B6



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WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

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REVISIONS

REV	DATE	DESCRIPTION
A	09/26/22	FOR APPROVAL
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PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

BEAM DETAILS

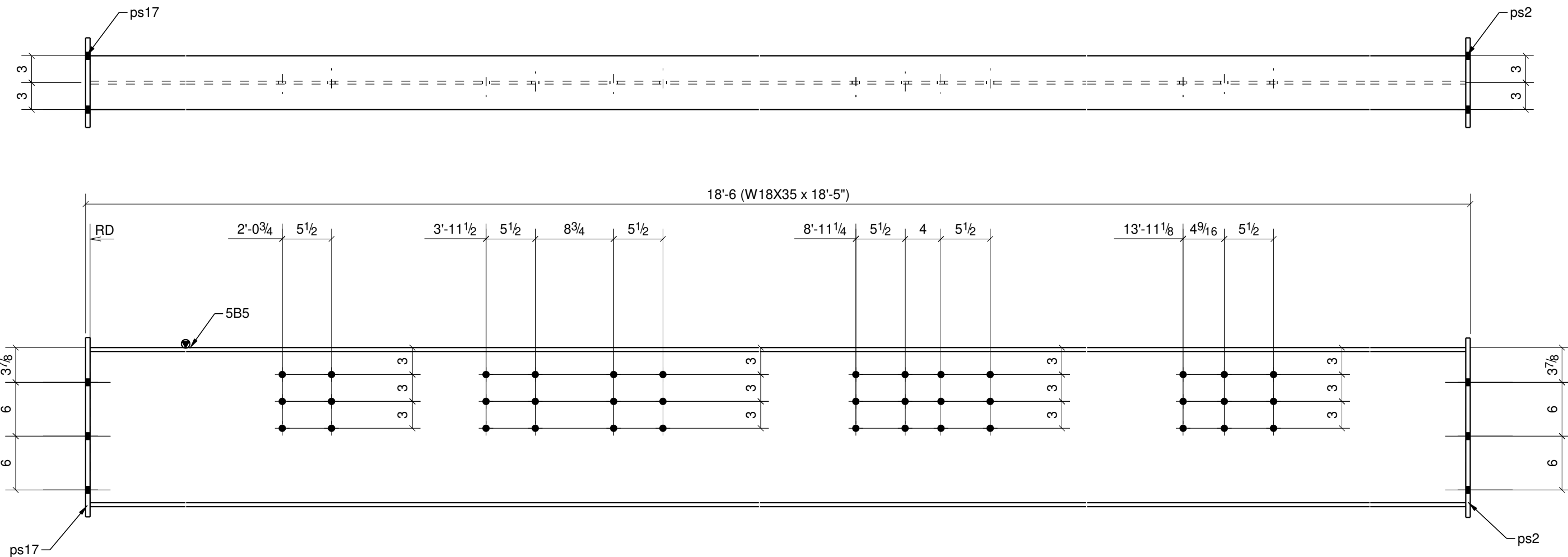
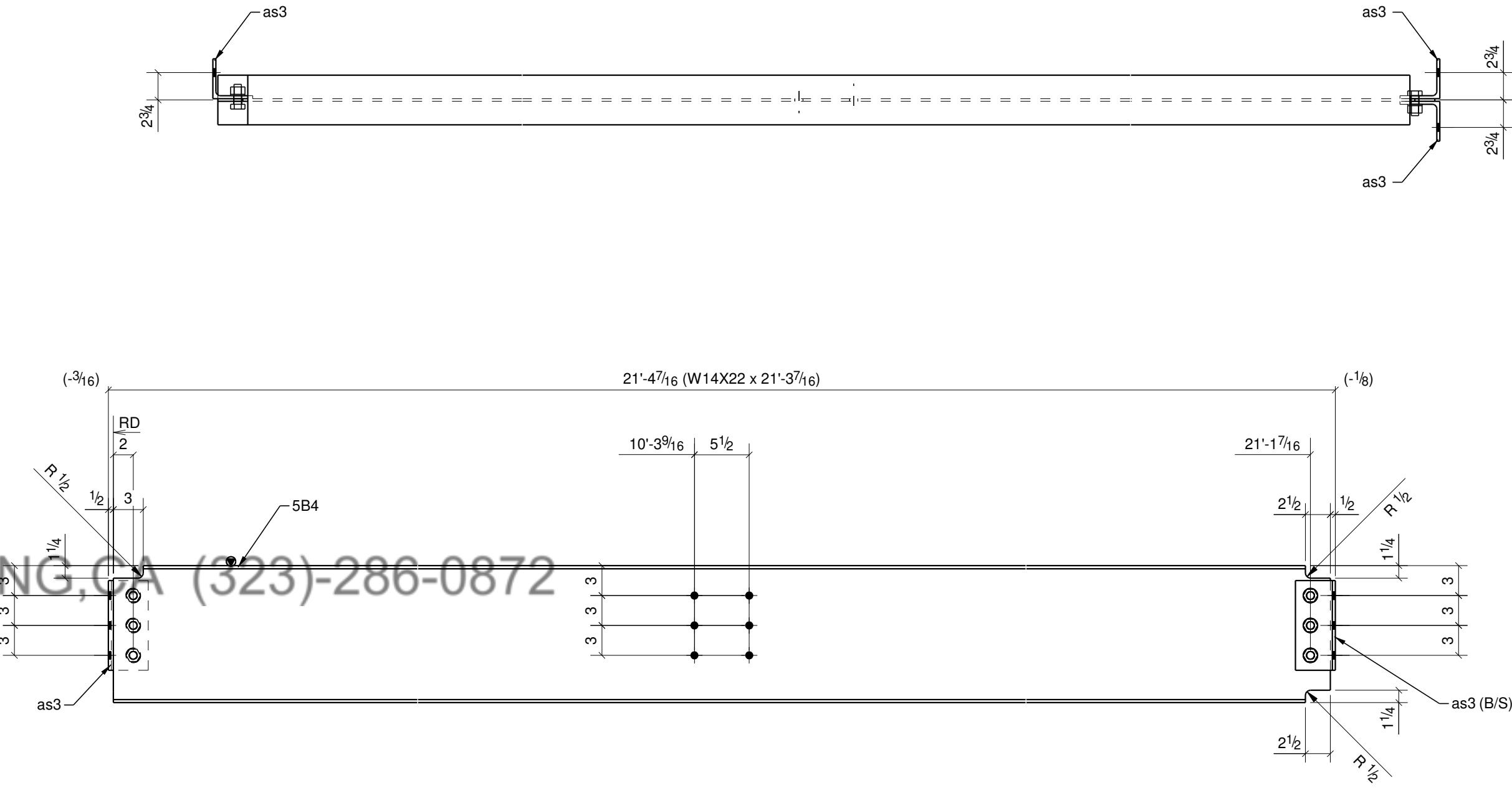
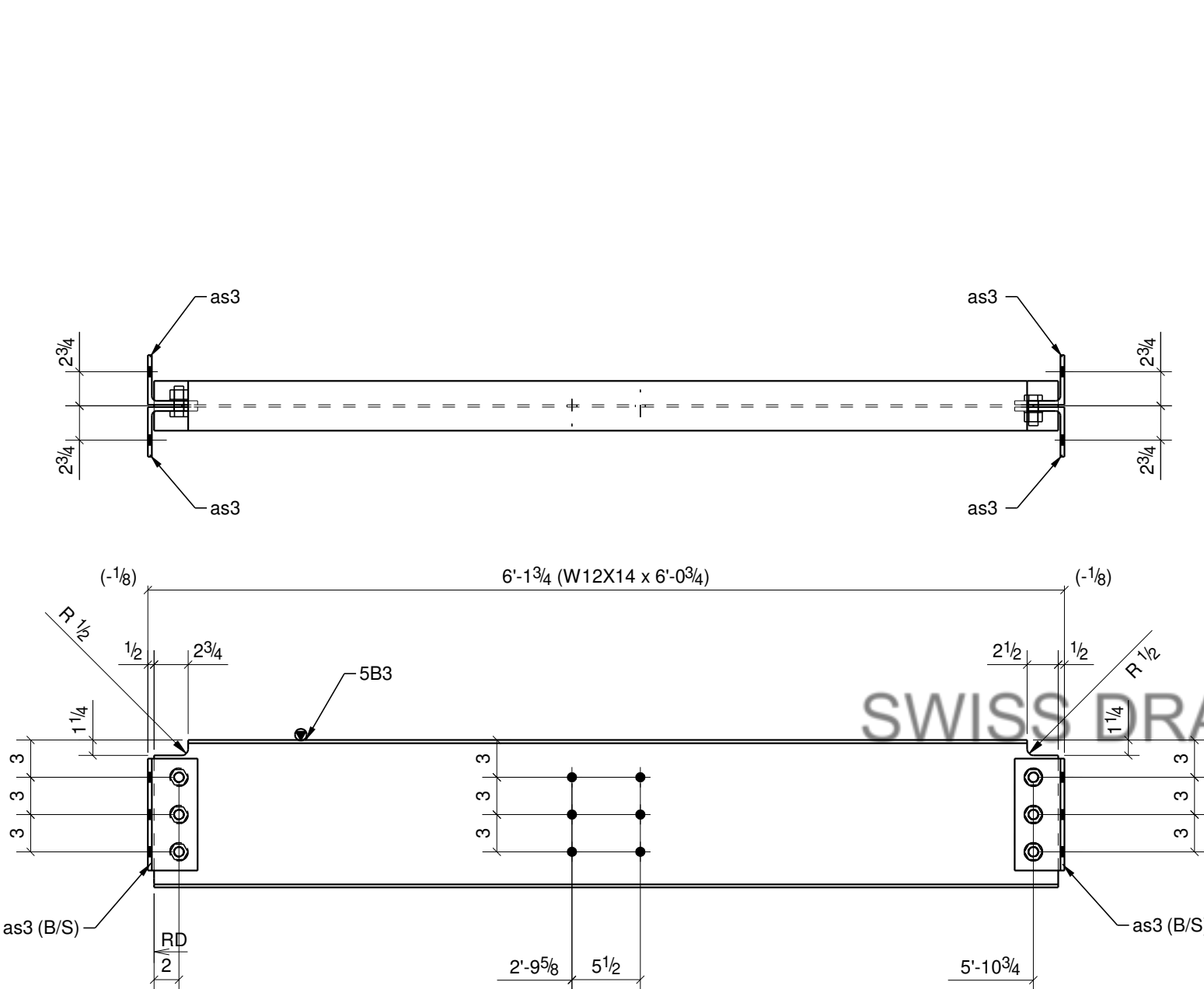
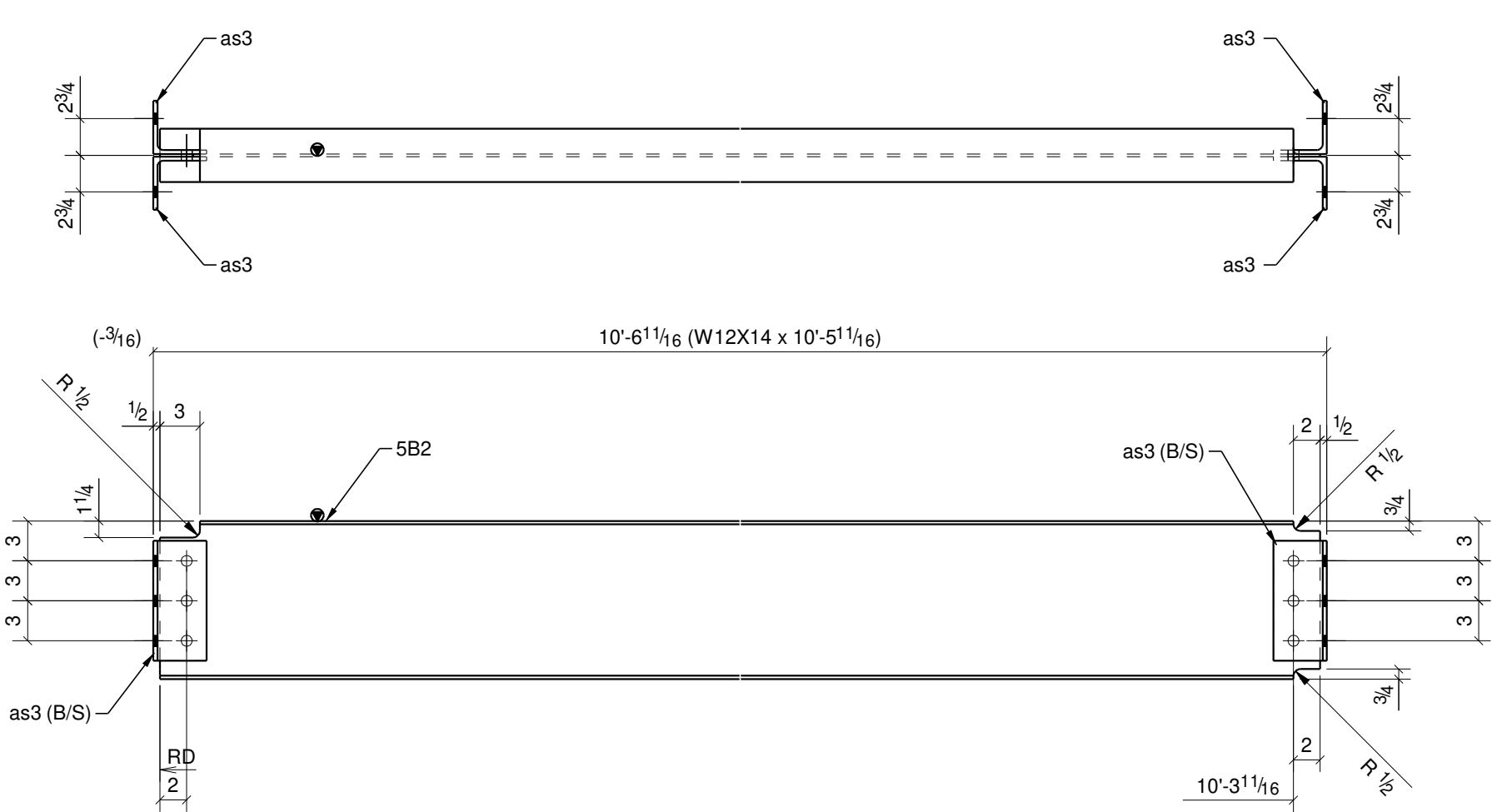
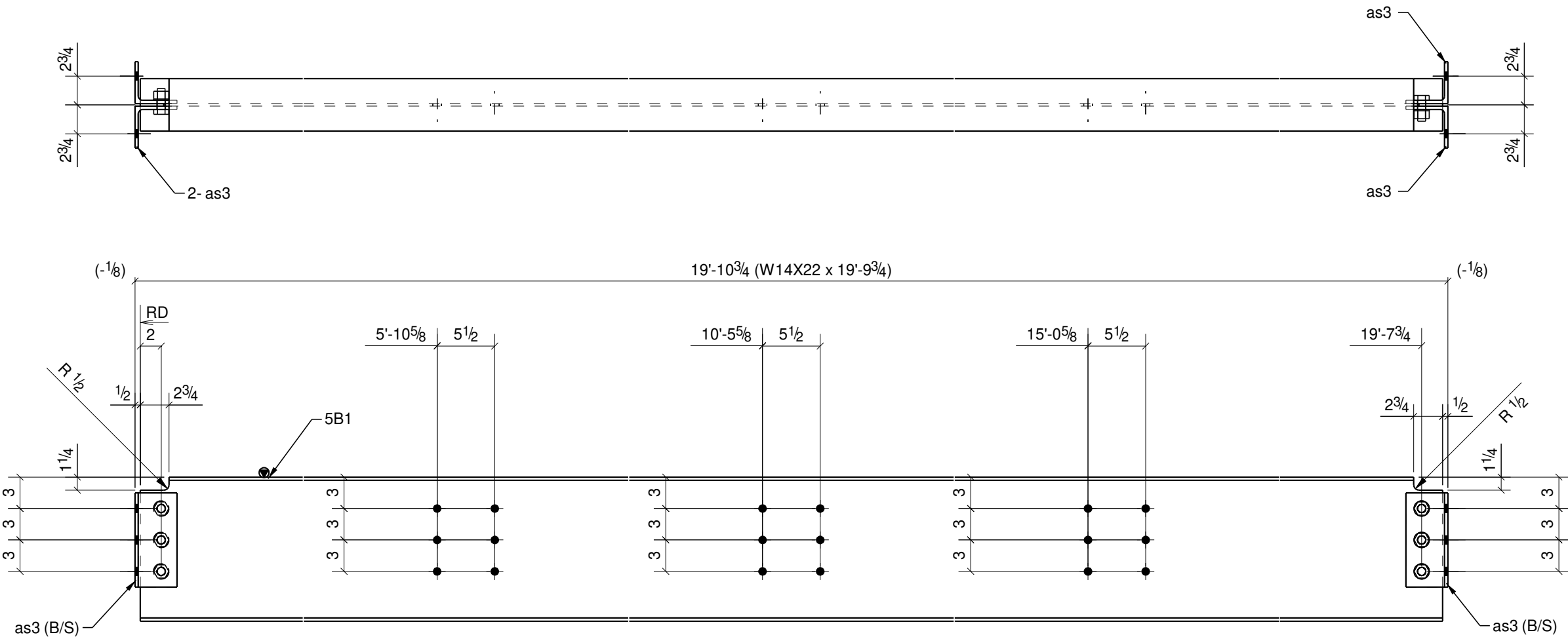
DRAWN BY	CHECKED BY
----------	------------

RH	AS
----	----

JOB #	SHEET #
-------	---------

4

BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
5B1	1	BEAM			SQ-2	
5B1	1	W14X22	19'-9 3/4"	438		A992
as3	4	L4X4X5/16	0'-9"	25		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
5B2	1	BEAM			SQ-2	
5B2	1	W12X14	10'-5 11/16"	148		A992
as3	4	L4X4X5/16	0'-9"	25		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
5B3	1	BEAM			SQ-2	
5B3	1	W12X14	6'-0 3/4"	86		A992
as3	4	L4X4X5/16	0'-9"	25		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
5B4	1	BEAM			SQ-2	
5B4	1	W14X22	21'-3 7/16"	470		A992
as3	3	L4X4X5/16	0'-9"	18		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
5B5	1	BEAM			SQ-2	
5B5	1	W18X35	18'-5"	646		A992
ps2	1	PL1/2"X10"	1'-8"	28		A36
ps17	1	PL1/2"X10"	1'-8"	28		A36
		TOTAL WEIGHT THIS DRAWING		1950		



KERR INDUSTRIES INC
933 RANSOM RD, STE B
LANCASTER, NY 14086
PH. 716-685-5377
FAX. 716-299-2902

- ERECTION NOTES
1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
 2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

- GENERAL NOTES
1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
 2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELTOW.
 3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
 4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
 5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
 6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
 7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
 8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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REVISIONS	
A	09/26/22 FOR APPROVAL
B	11/08/22 REVISED PER EOR
C	02/22/23 REVISED PER FIELD

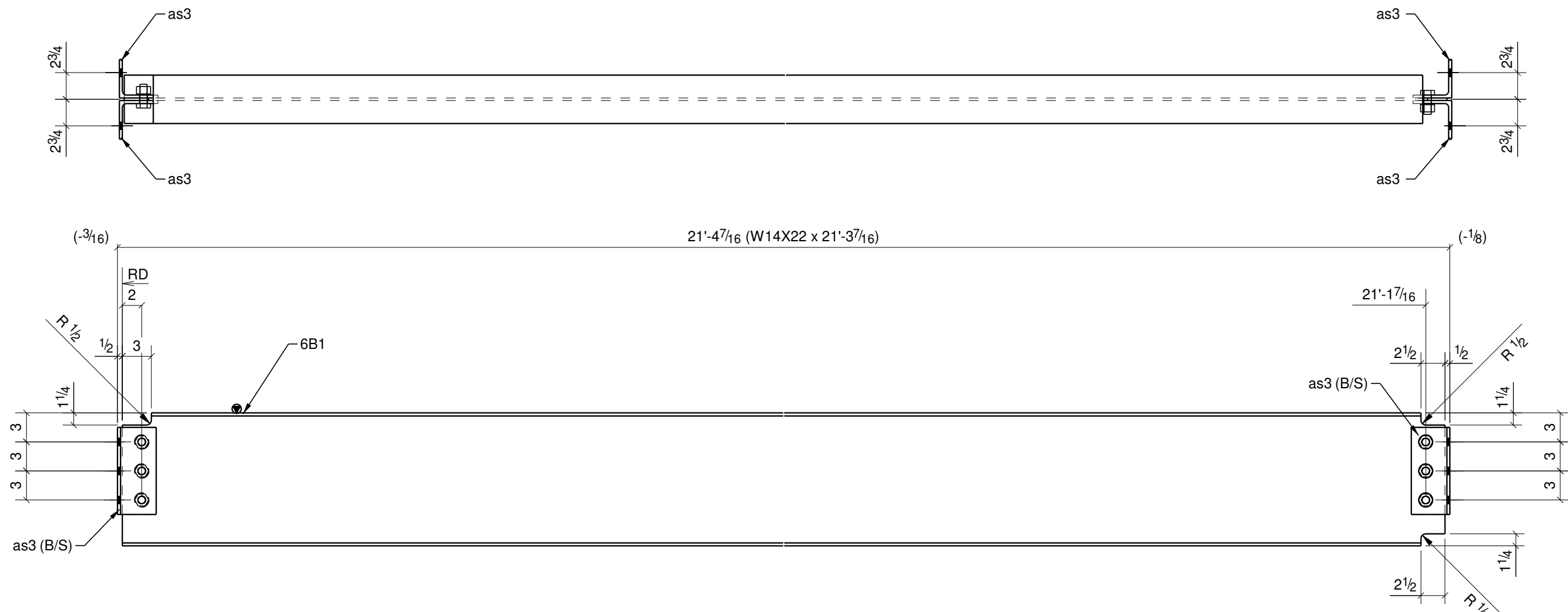
PROJECT NAME
HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY-PHASE I

LOCATION
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

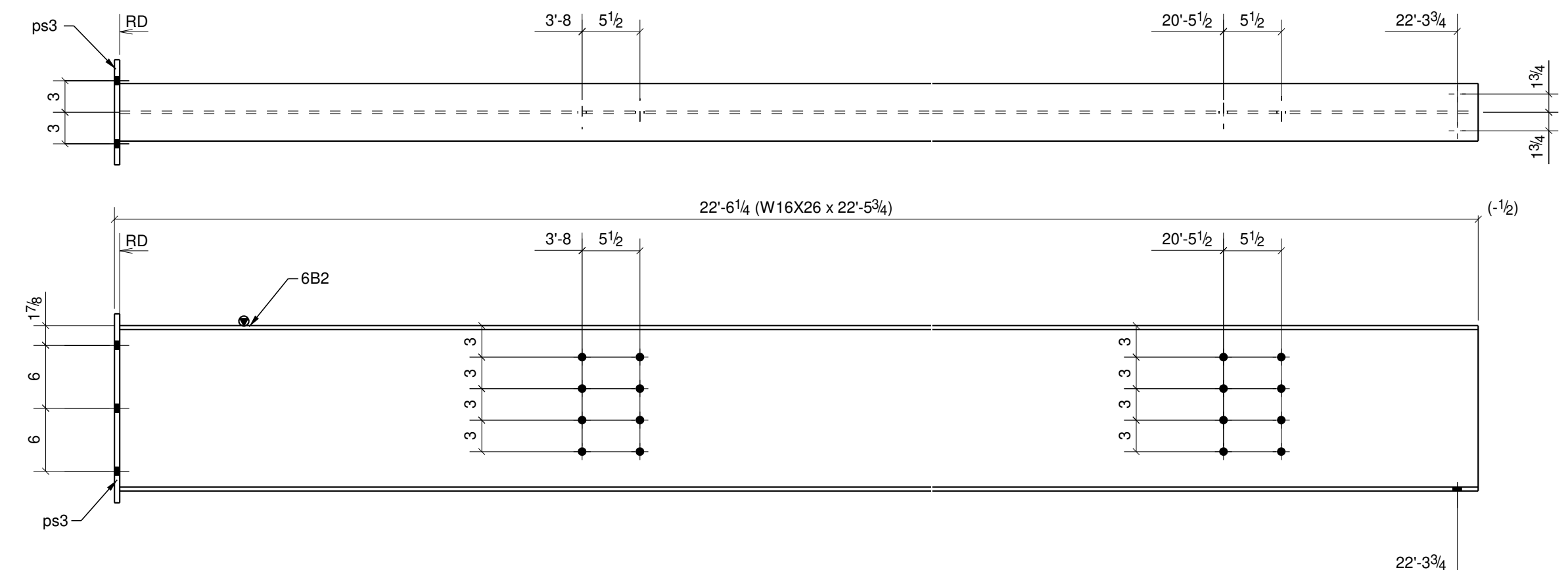
DESCRIPTION
BEAM DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	5

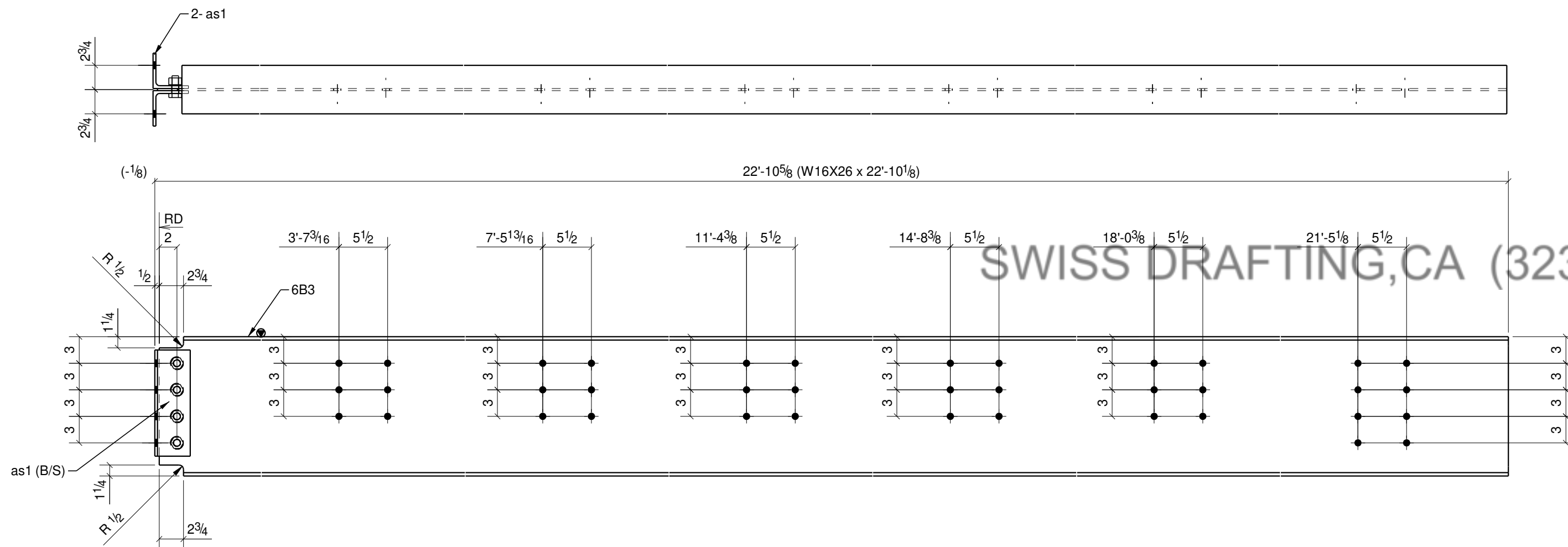
BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
6B1	2	BEAMS			SQ-2	
6B1	2	W14X22	21'-3 7/16"	940		A992
as3	8	L4X4X5/16	0'-9"	49		A36
	12	3/4"Ø A325N BOLT	0'-2"	7	Workshop	
6B2	1	BEAM			SQ-2	
6B2	1	W16X26	22'-5 3/4"	588		A992
ps3	1	PL1/2"X10"	1'-6"	26		A36
6B3	1	BEAM			SQ-2	
6B3	1	W16X26	22'-10 1/8"	597		A992
as1	2	L4X4X5/16	1'-0"	16		A36
	4	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
6B4	2	BEAMS			SQ-2	
6B4	2	W12X14	16'-8 1/4"	472		A992
as3	8	L4X4X5/16	0'-9"	49		A36
	12	3/4"Ø A325N BOLT	0'-2"	7	Workshop	
6B5	1	BEAM			SQ-2	
6B5	1	W16X26	21'-7 1/4"	565		A992
as1	4	L4X4X5/16	1'-0"	33		A36
	8	3/4"Ø A325N BOLT	0'-2"	5	Workshop	
6B6	1	BEAM			SQ-2	
6B6	1	W12X14	16'-8 1/4"	236		A992
as3	4	L4X4X5/16	0'-9"	25		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
TOTAL WEIGHT THIS DRAWING				3620		



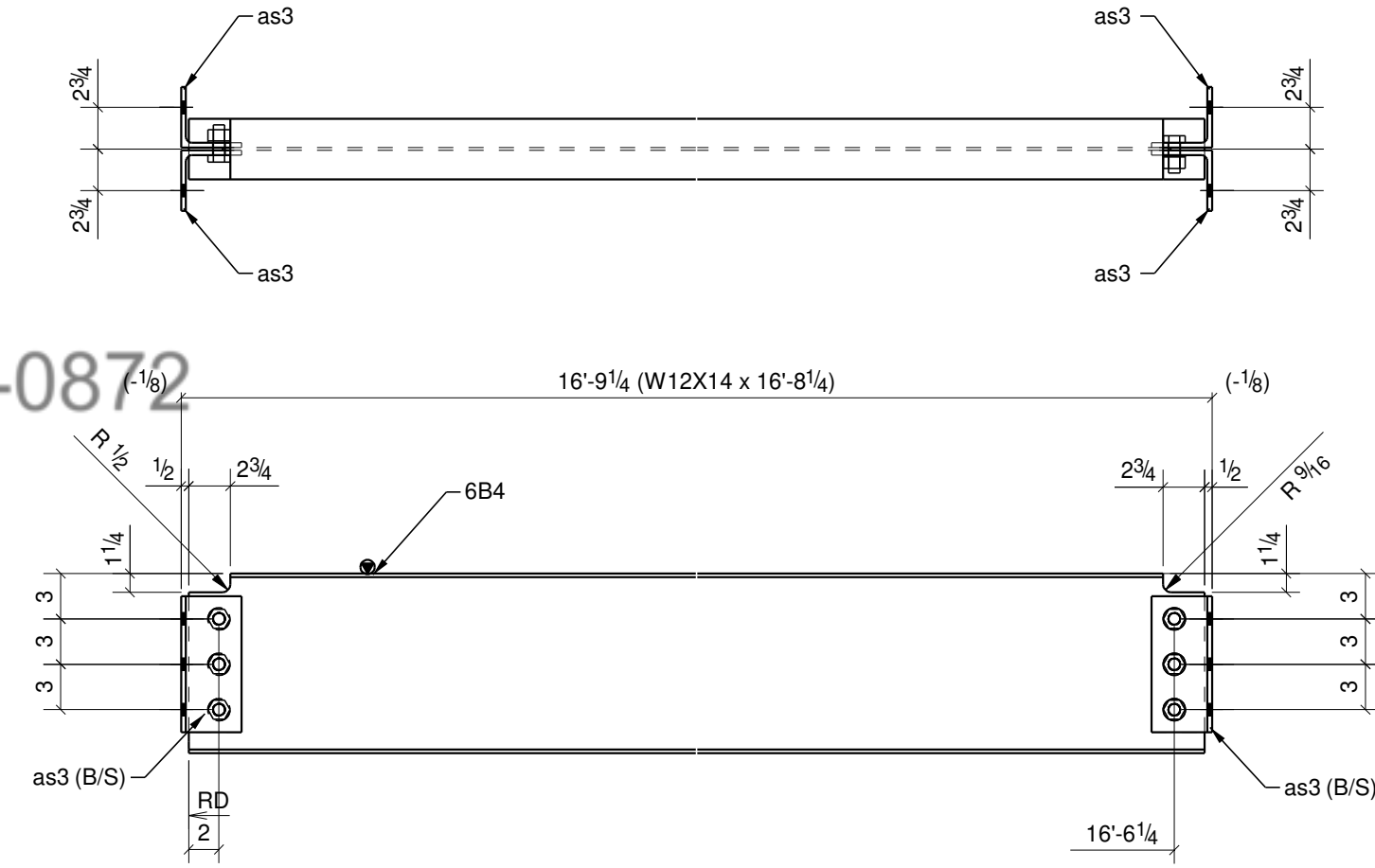
2 ~ BEAM ~ 6B1



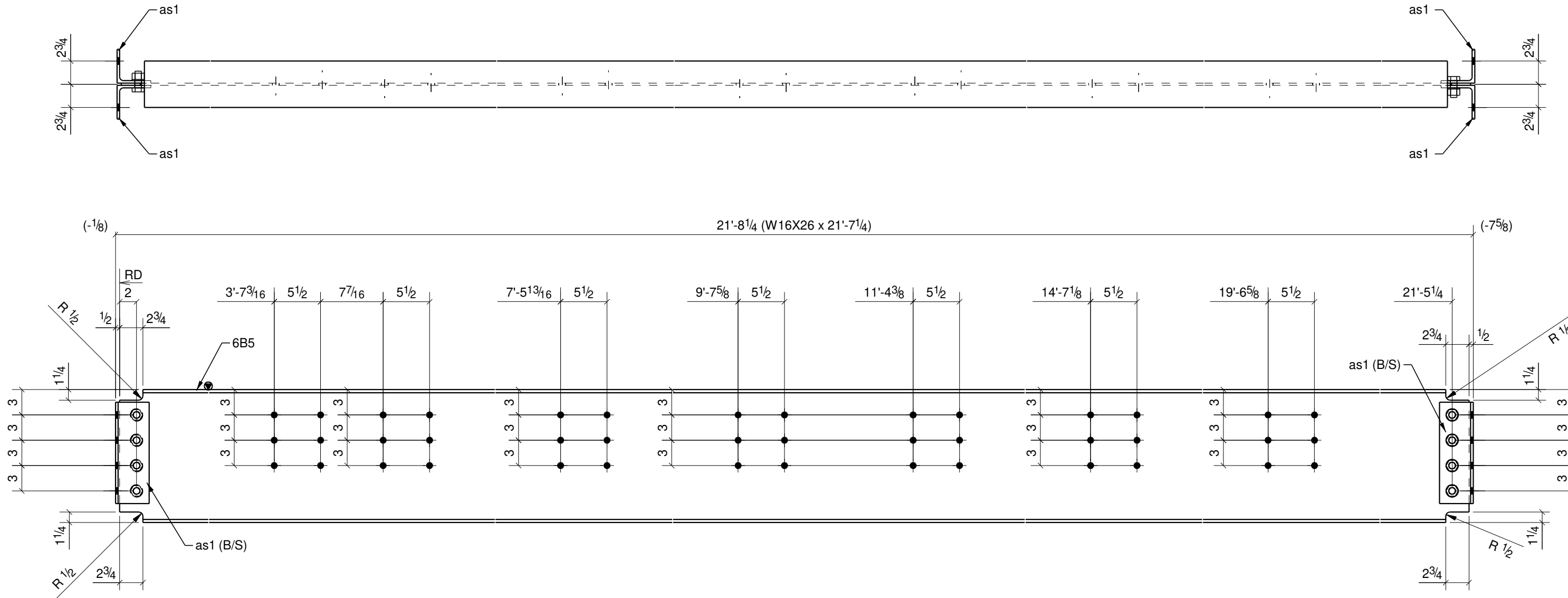
1 ~ BEAM ~ 6B2



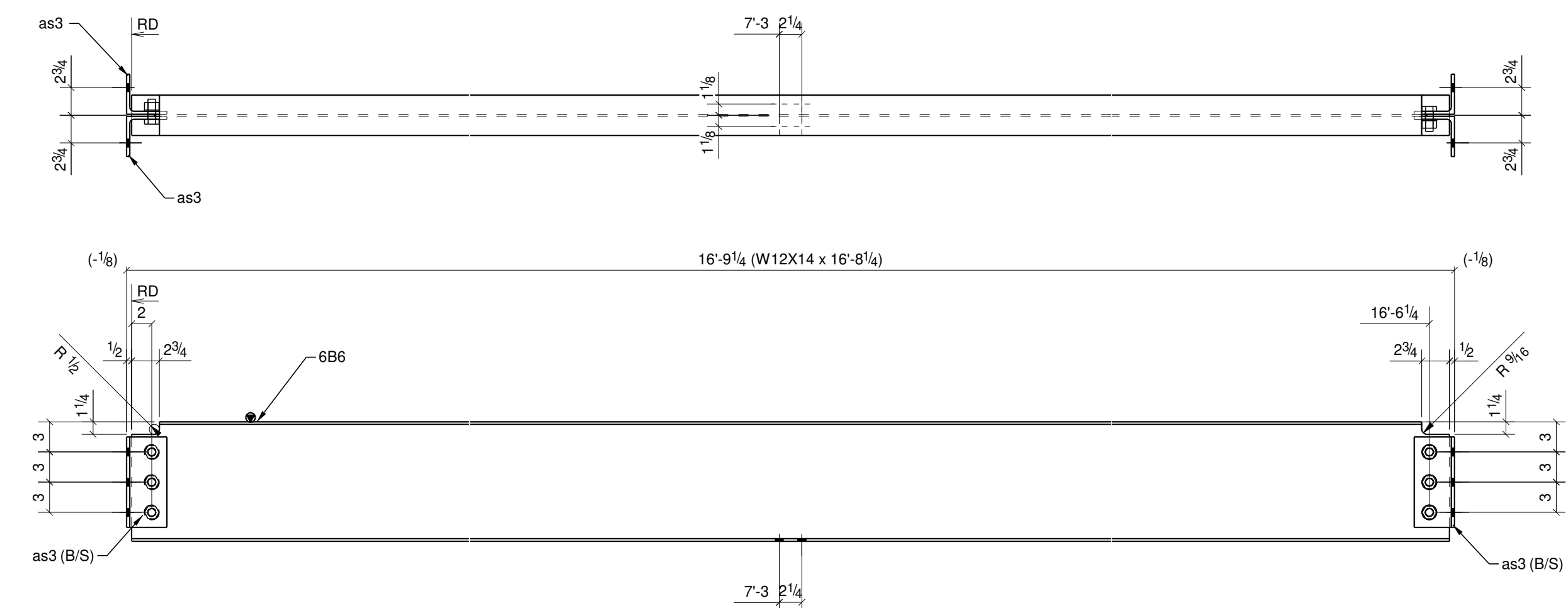
1 ~ BEAM ~ 6B3



2 ~ BEAM ~ 6B4



1 ~ BEAM ~ 6B5



1 ~ BEAM ~ 6B6



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GENERAL NOTES

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3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.C.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
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8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

- WIDE FLANGES ASTM A992-00.
- PLATES/CHANNELS/ANGLES ASTM A36
- PIPES ASTM A53 Gr. B
- HOLLOW SECTIONS ASTM A500, Gr. B
- ANCHOR RODS A307

NOTES

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REVISIONS	
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PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF SILO CITY- PHASE I

LOCATION

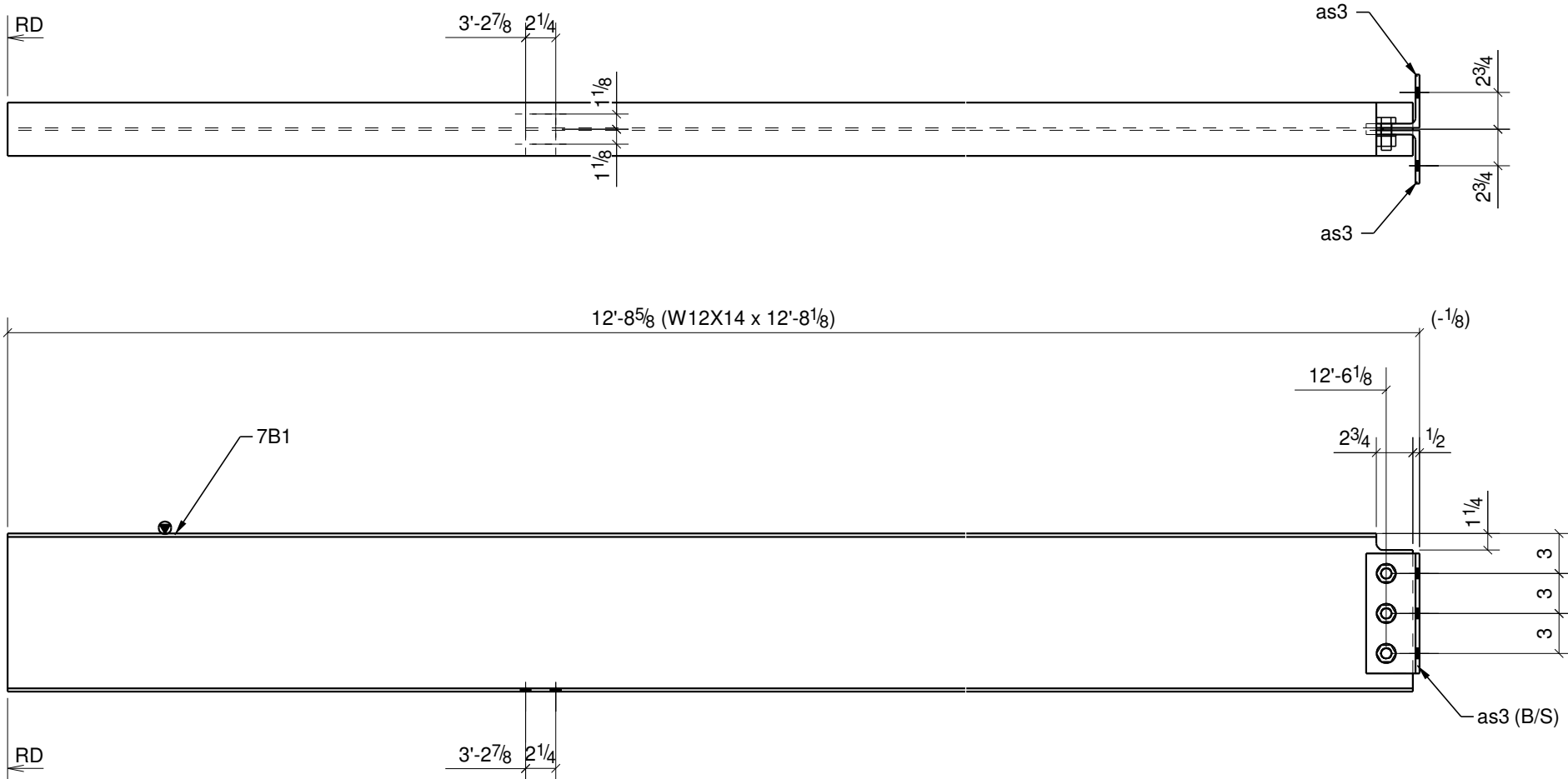
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

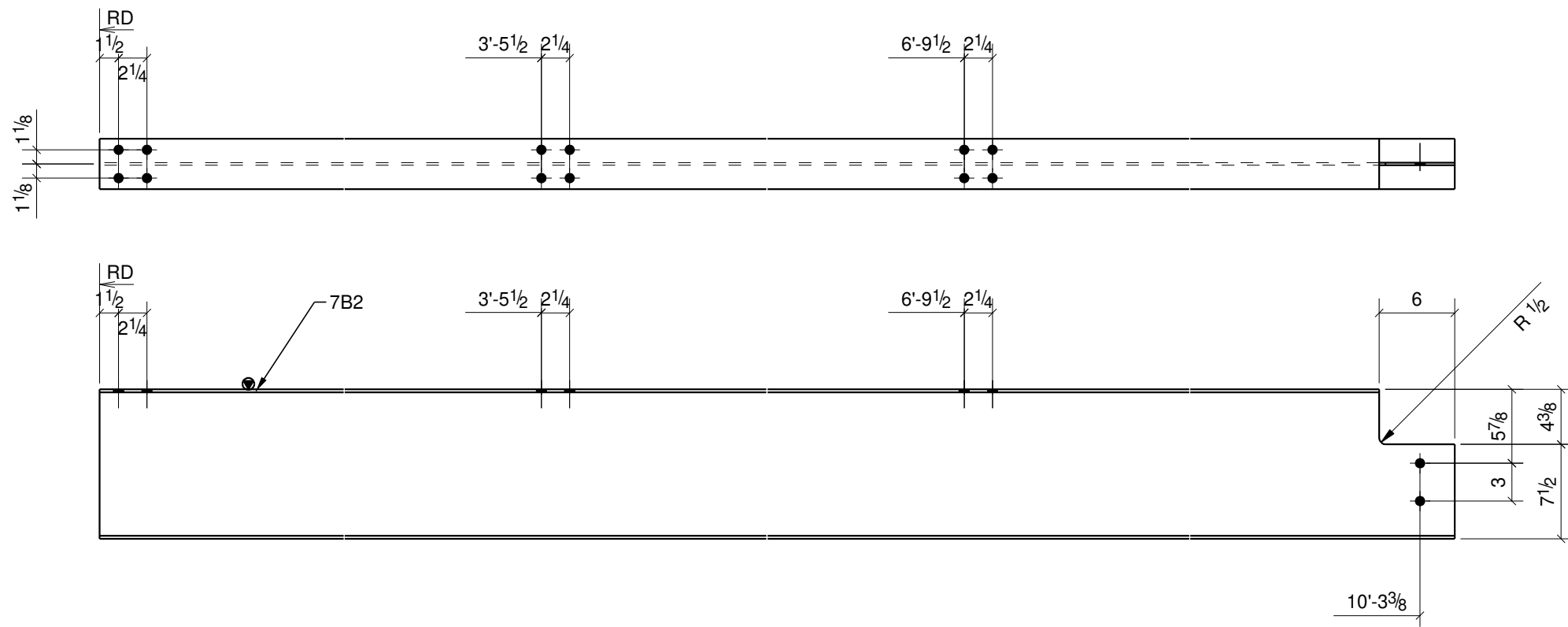
BEAM DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	6

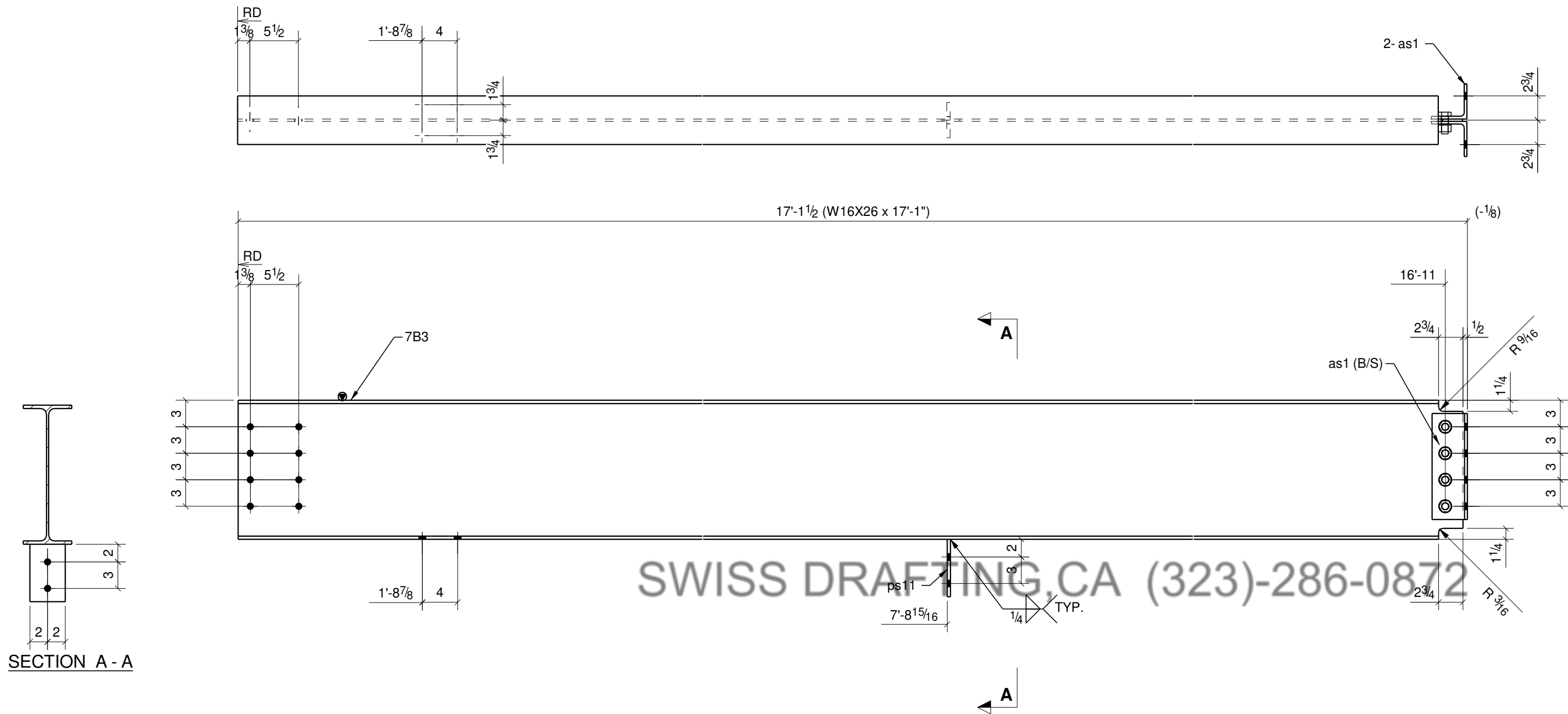
BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
7B1	2	BEAMS			SQ-2	
7B1	2	W12X14	12'-8 1/8"	359		A992
as3	4	L4X4X5/16	0'-9"	25		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
7B2	1	BEAM			SQ-2	
7B2	1	W12X14	10'-6 1/8"	149		A992
7B3	1	BEAM			SQ-2	
7B3	1	W16X26	17'-1"	446		A992
as1	2	L4X4X5/16	1'-0"	16		A36
ps11	1	PL3/8"x4"	0'-6 1/2"	3		A36
	4	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
7B4	1	BEAM			SQ-2	
7B4	1	W8X28	0'-8 3/4"	20		A992
ps1	1	PL1/2"x10"	1'-4"	23		A36
7B5	1	BEAM			SQ-2	
7B5	1	W16X26	22'-1 3/8"	578		A992
as1	2	L4X4X5/16	1'-0"	16		A36
	4	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
7B6	3	BEAMS			SQ-2	
7B6	3	W12X14	11'-0"	467		A992
as3	6	L4X4X5/16	0'-9"	37		A36
as4	3	L4X4X5/16	0'-9"	18		A36
	9	3/4"Ø A325N BOLT	0'-2"	5	Workshop	
	9	3/4"Ø A325N BOLT	0'-1 3/4"	5	Workshop	
		TOTAL WEIGHT THIS DRAWING		2176		



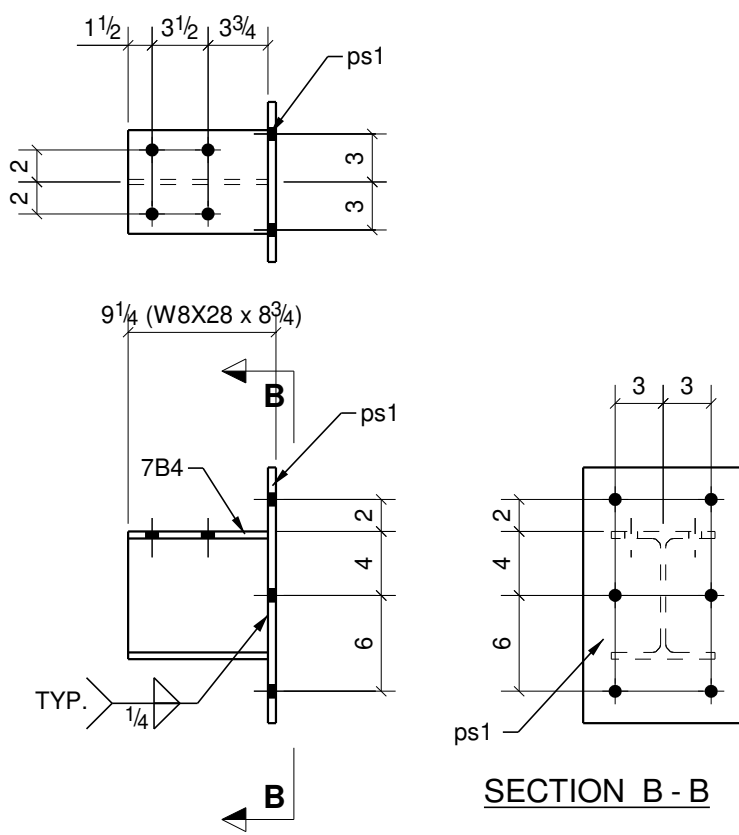
2 ~ BEAM ~ 7B1



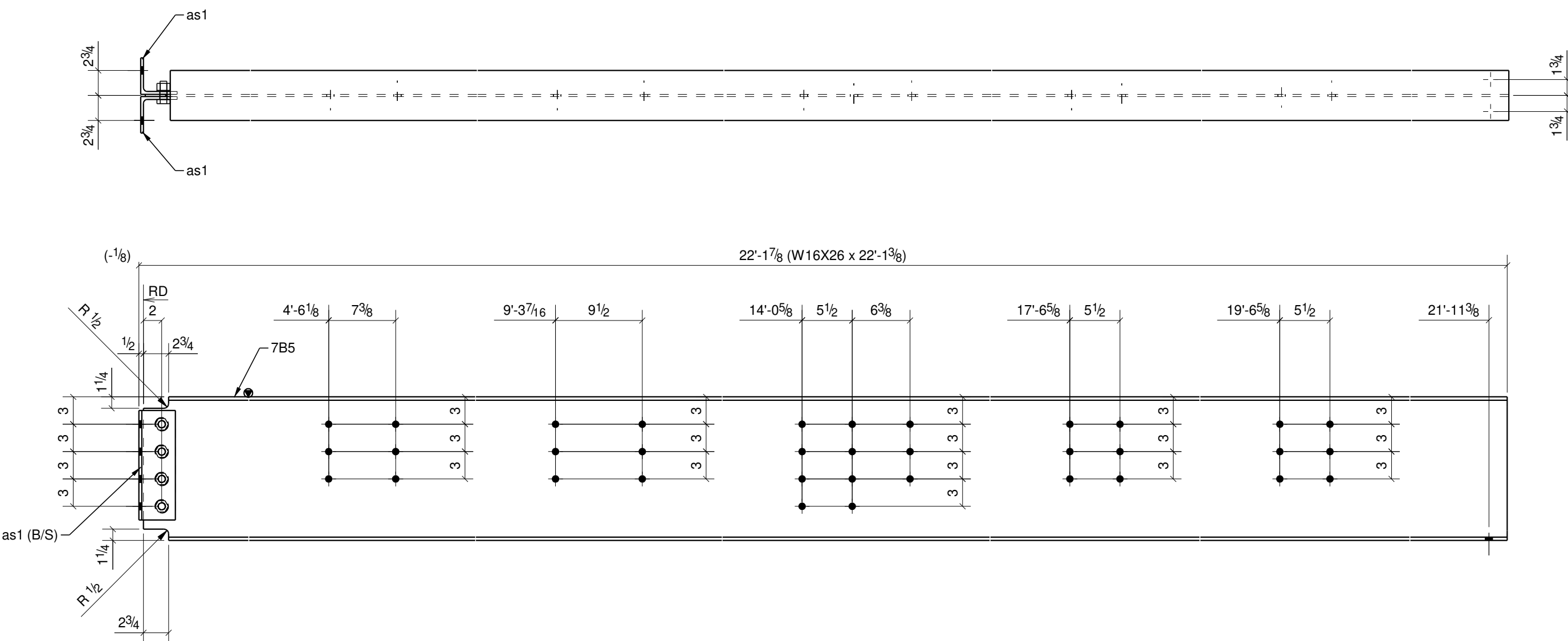
1 ~ BEAM ~ 7B2



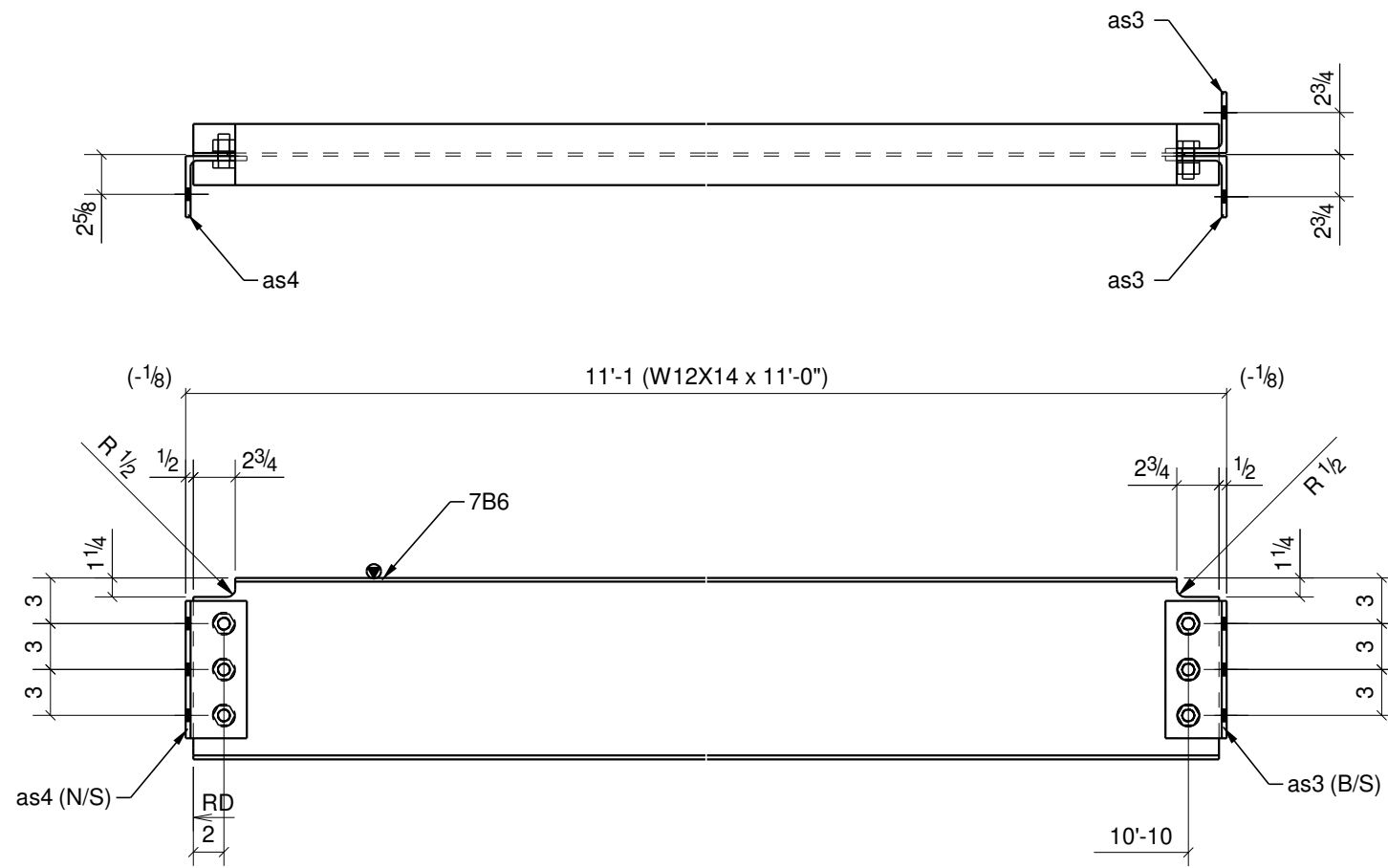
1 ~ BEAM ~ 7B3



1 ~ BEAM ~ 7B4



1 ~ BEAM ~ 7B5



3 ~ BEAM ~ 7B6



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MATERIAL GRADE

WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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REVISIONS

NO.	DATE	FOR APPROVAL
A	09/26/22	FOR APPROVAL
B	11/08/22	REVISED PER EOR
C	02/22/23	REVISED PER FIELD

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY-PHASE I

LOCATION

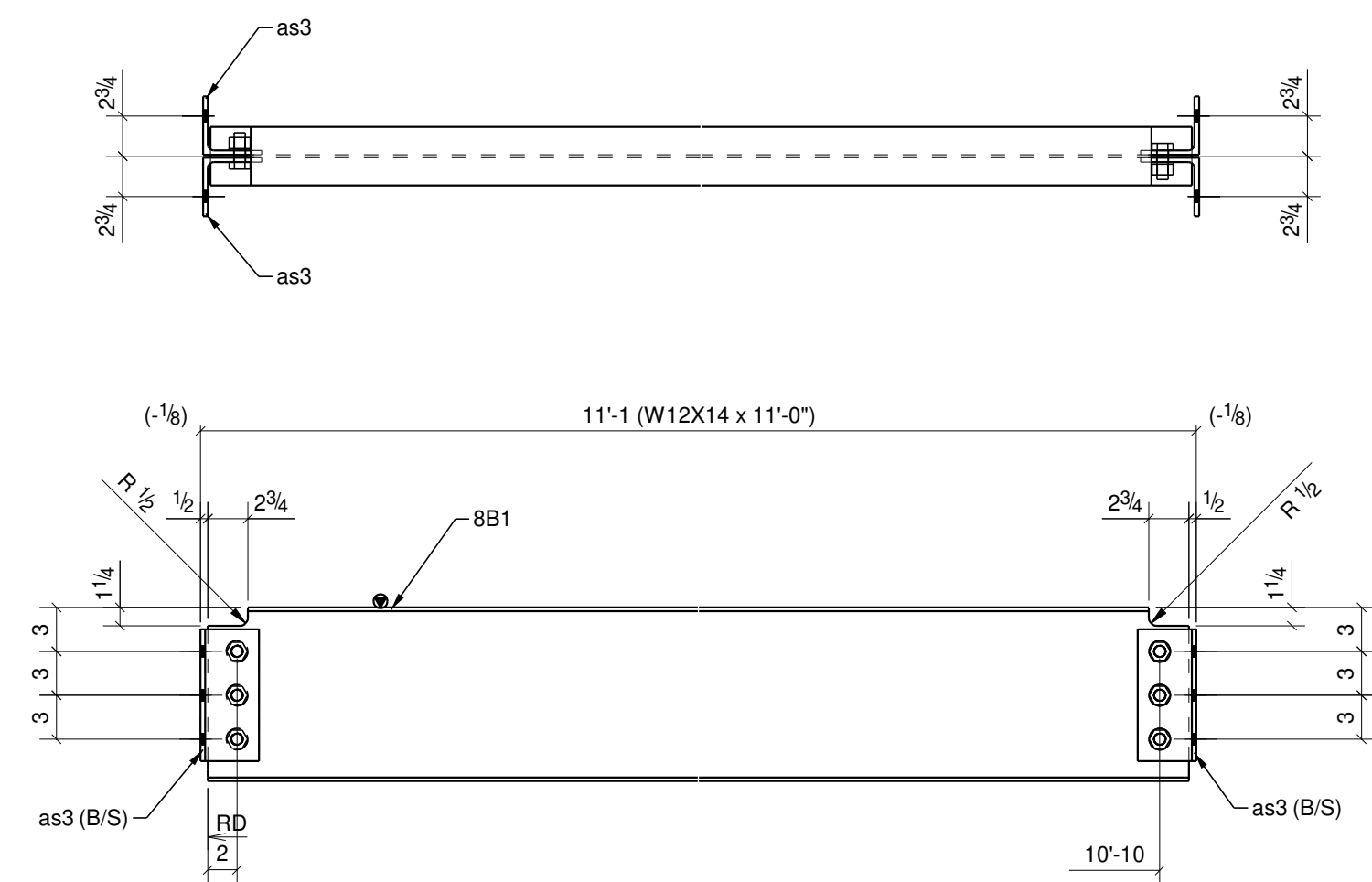
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

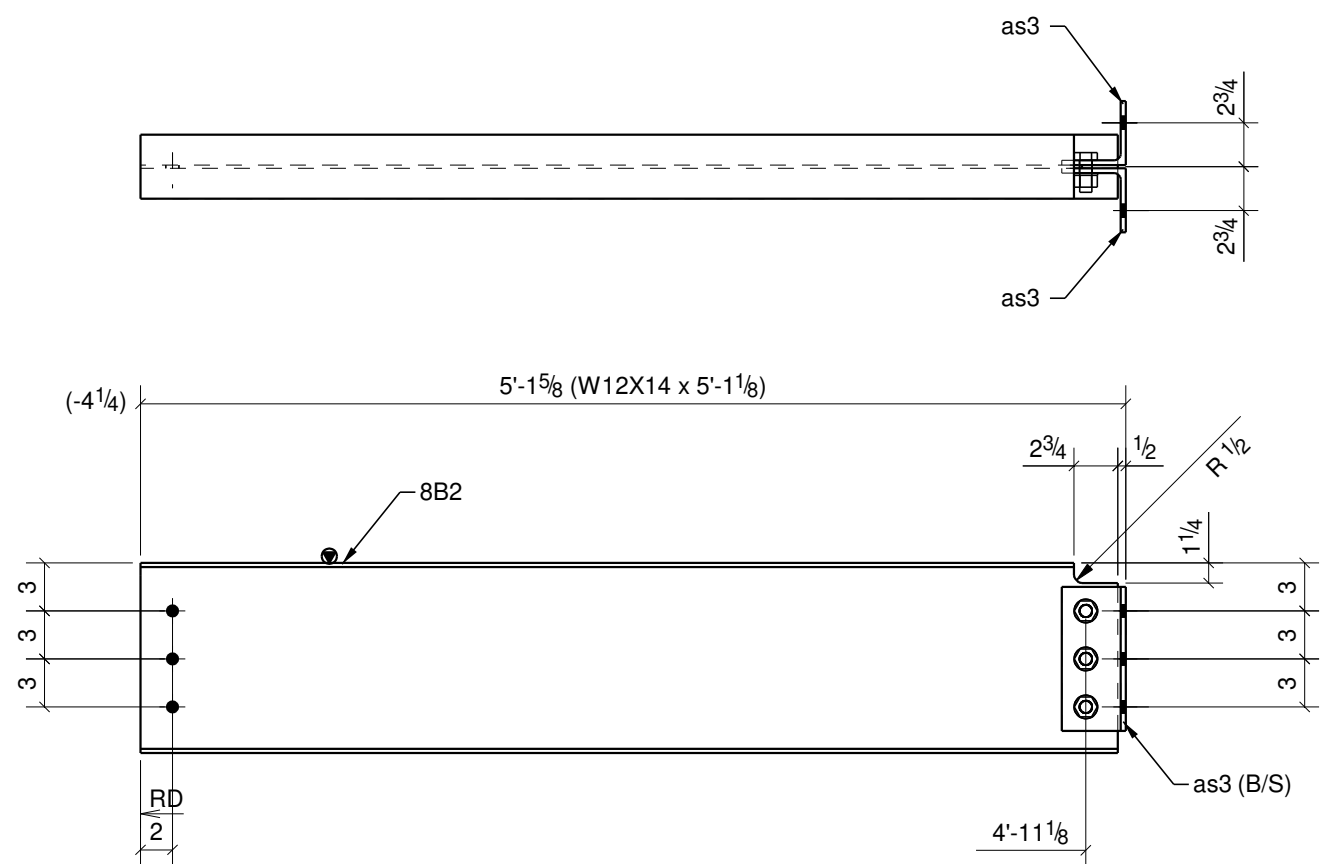
BEAM DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	7

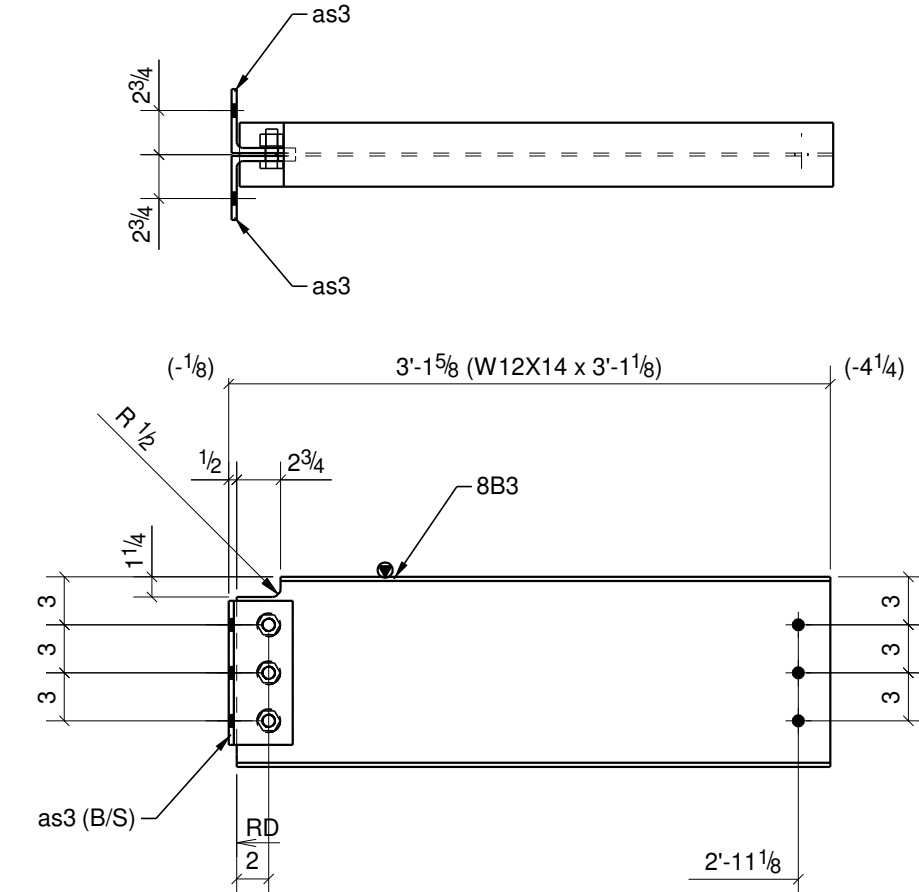
BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
8B1	1	BEAM			SQ-2	
8B1	1	W12X14	11'-0"	156		A992
as3	4	L4X4X5/16	0'-9"	25		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
8B2	1	BEAM			SQ-2	
8B2	1	W12X14	5'-1 1/8"	72		A992
as3	2	L4X4X5/16	0'-9"	12		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
8B3	1	BEAM			SQ-2	
8B3	1	W12X14	3'-1 1/8"	44		A992
as3	2	L4X4X5/16	0'-9"	12		A36
	3	3/4"Ø A325N BOLT	0'-2"	2	Workshop	
8B4	1	BEAM			SQ-2	
8B4	1	W16X26	16'-3 1/2"	426		A992
as1	4	L4X4X5/16	1'-0"	33		A36
	8	3/4"Ø A325N BOLT	0'-2"	5	Workshop	
8B5	2	BEAMS			SQ-2	
8B5	2	W12X14	16'-3 1/2"	461		A992
as3	4	L4X4X5/16	0'-9"	25		A36
as4	2	L4X4X5/16	0'-9"	12		A36
	6	3/4"Ø A325N BOLT	0'-2"	3	Workshop	
	6	3/4"Ø A325N BOLT	0'-1 3/4"	3	Workshop	
8B6	1	BEAM			SQ-2	
8B6	1	W16X26	14'-7 1/2"	382		A992
as2	1	L4X4X5/16	1'-0"	8		A36
ps8	4	PL3/8"X2 5/8"	1'-3"	17		A36
	4	3/4"Ø A325N BOLT	0'-1 3/4"	2	Workshop	
8B7	1	BEAM			SQ-2	
8B7	1	W16X26	22'-6 1/2"	589		A992
ps3	1	PL1/2"X10"	1'-6"	26		A36
TOTAL WEIGHT THIS DRAWING				2319		



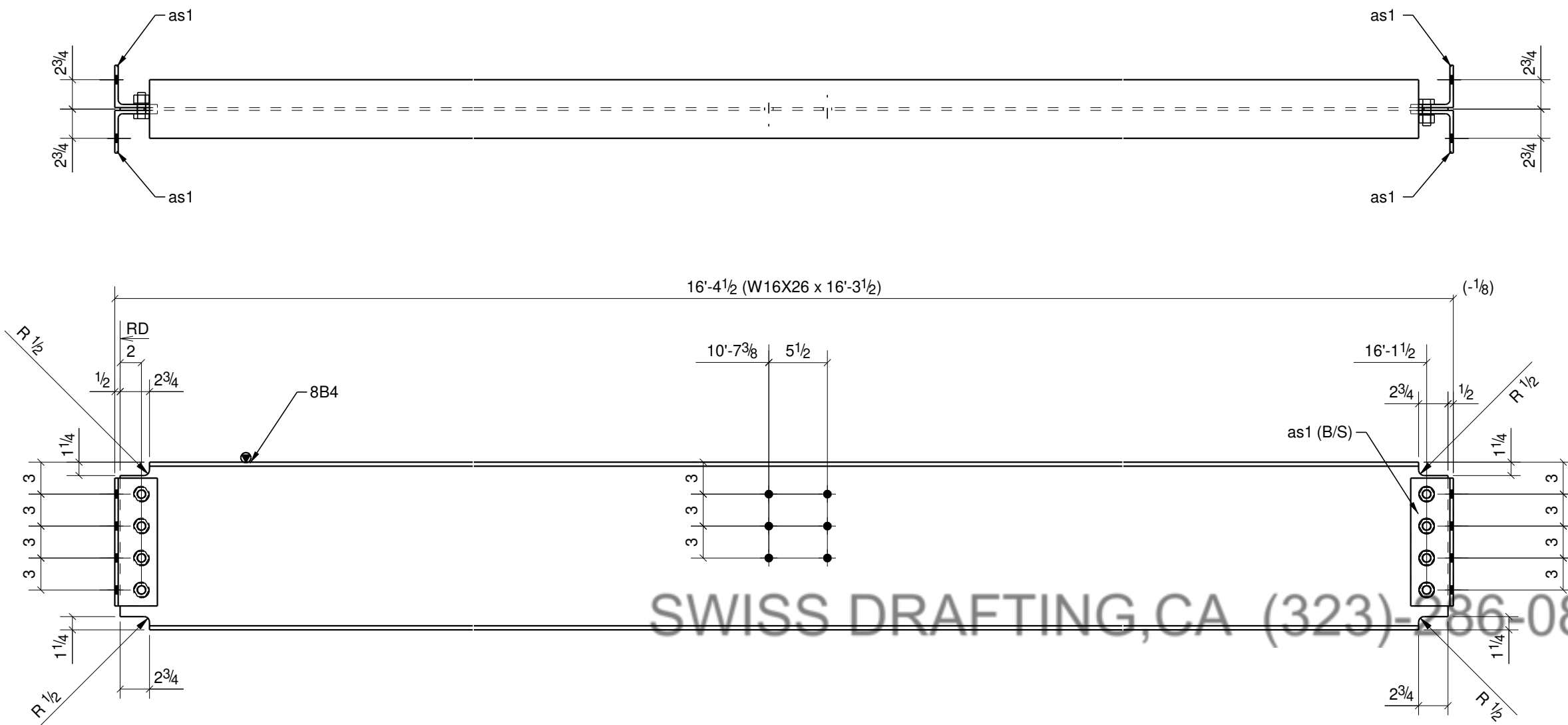
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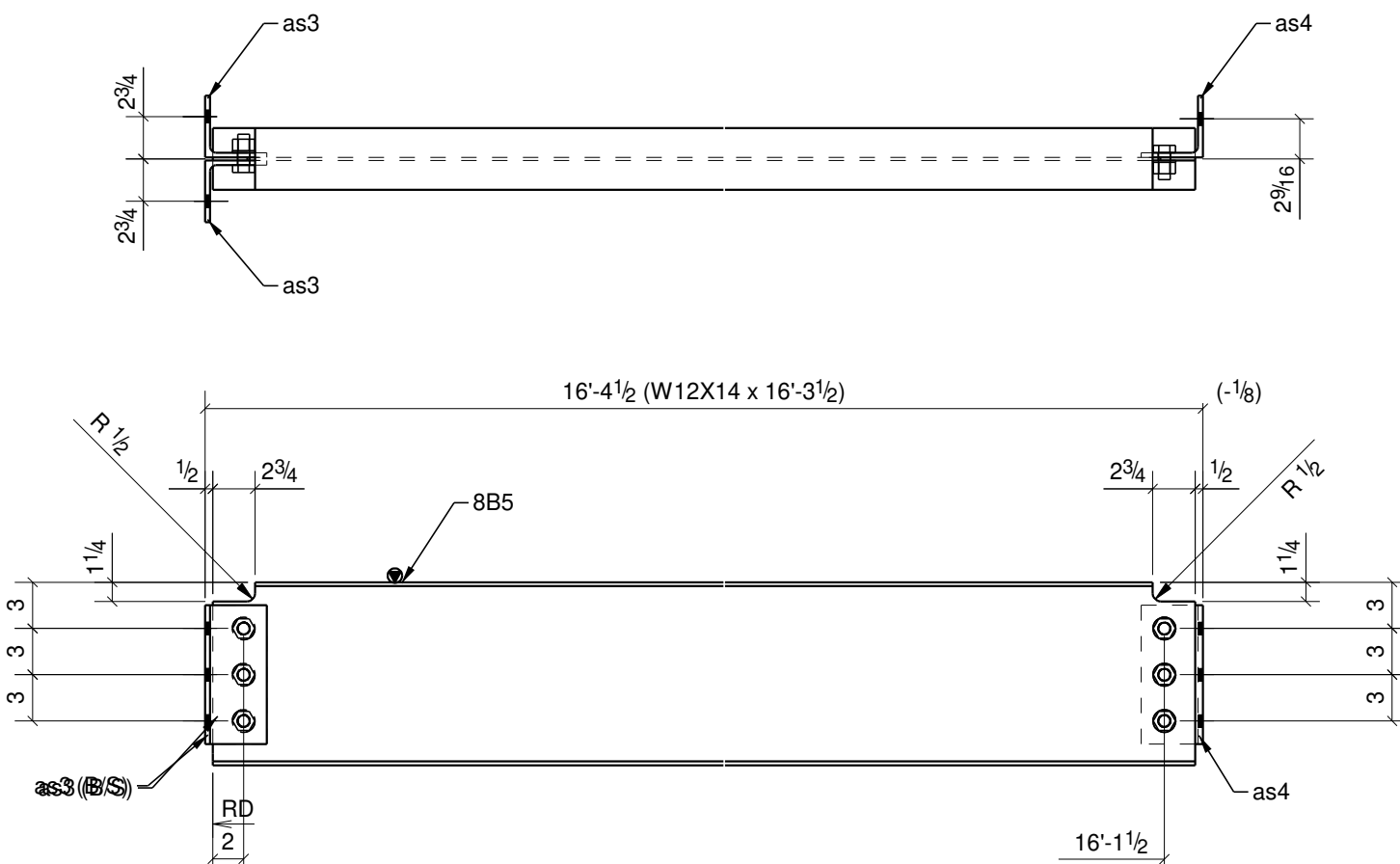
1 ~ BEAM ~ 8B2



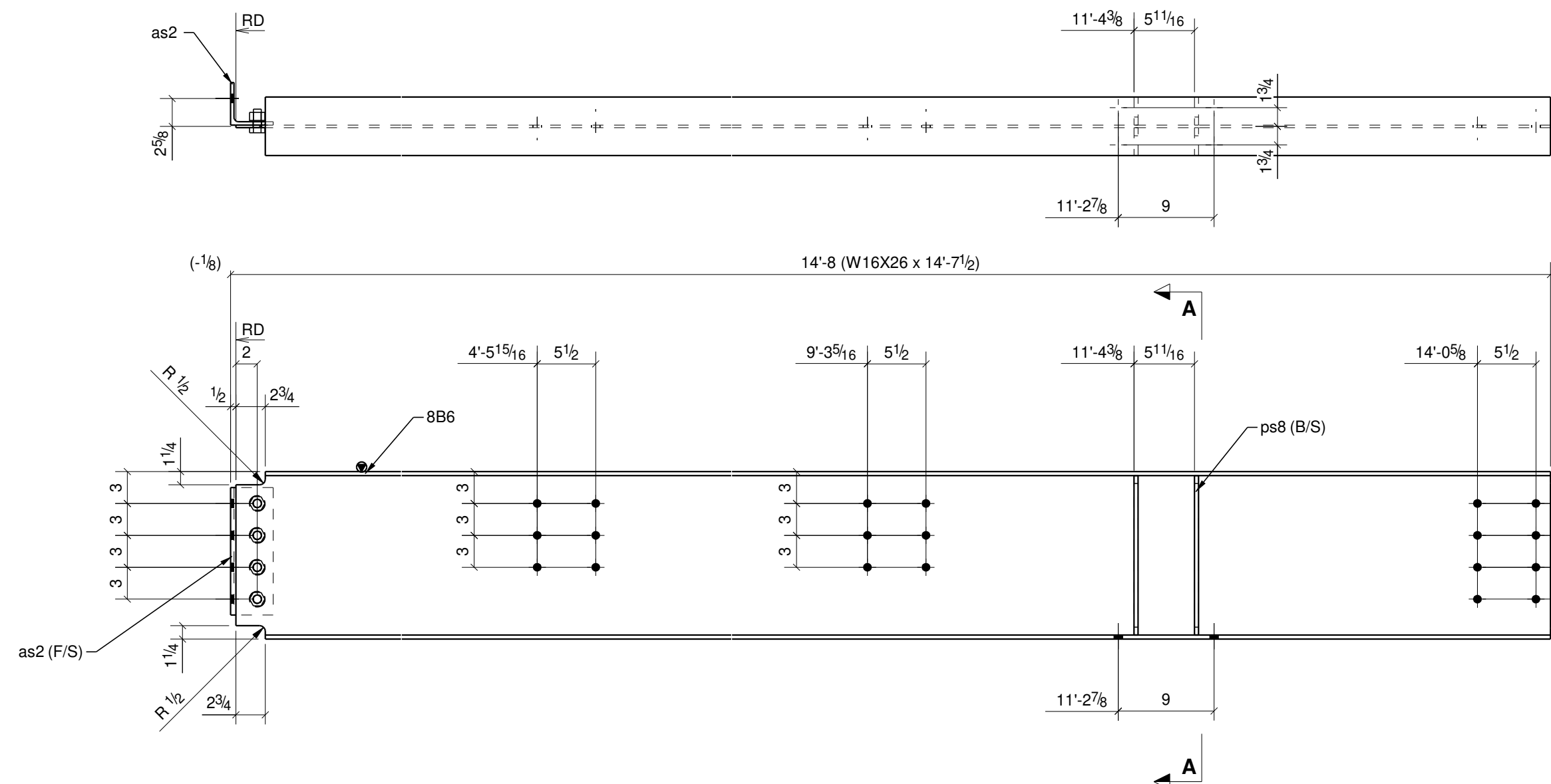
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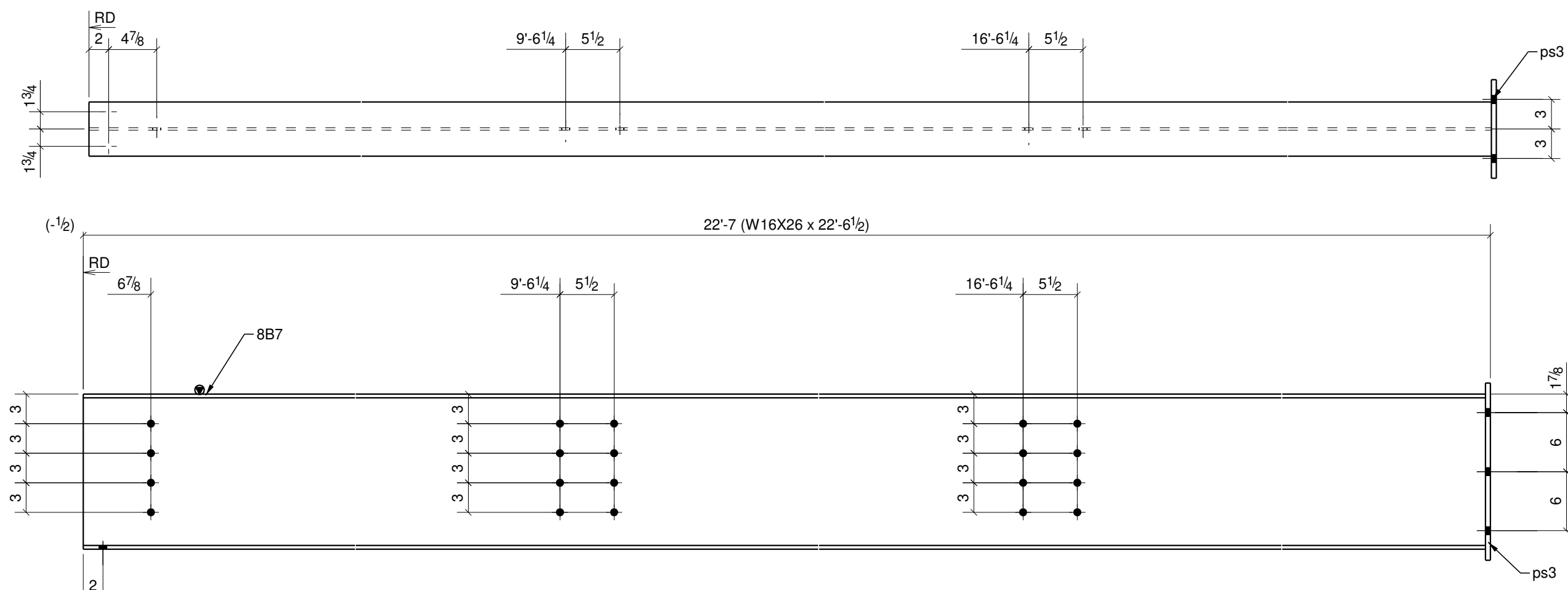
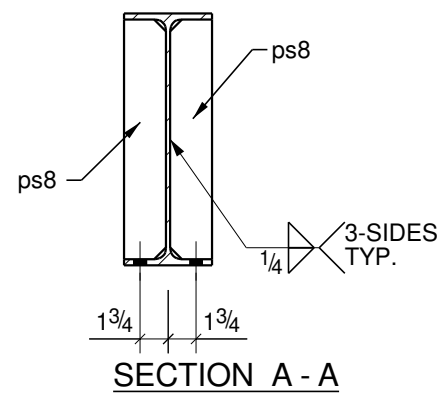
1 ~ BEAM ~ 8B4



2 ~ BEAM ~ 8B5



1 ~ BEAM ~ 8B6



1 ~ BEAM ~ 8B7



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MATERIAL GRADE

WIDE FLANGES
ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

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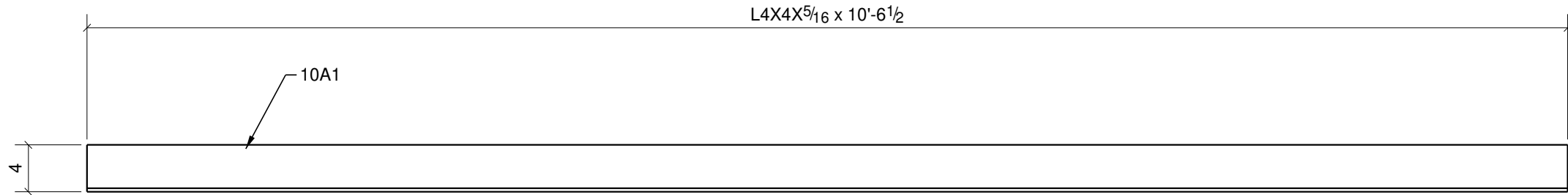
PROJECT NAME
HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

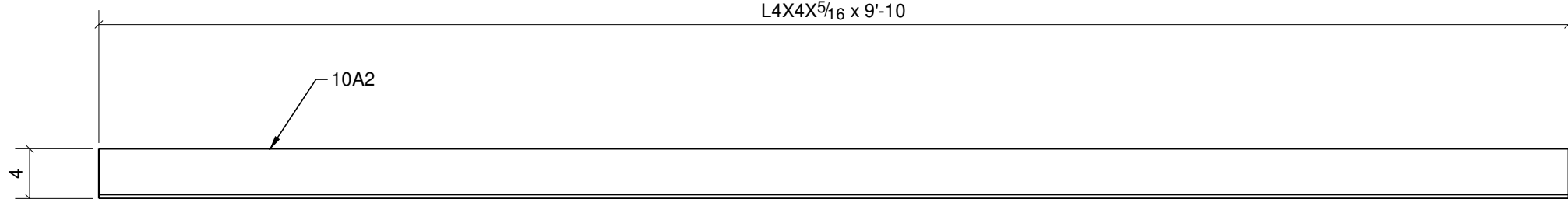
DESCRIPTION
BEAM DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	8

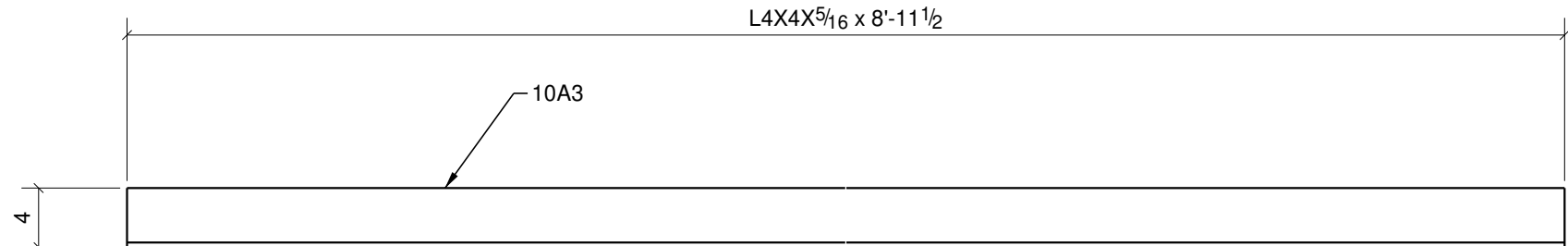
BILL OF MATERIAL						
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS	GRADE
10A1	1	ANGLE			SQ-2	
10A1	1	L4X4X5/16	10'-6 1/2"	86		A36
10A2	1	ANGLE			SQ-2	
10A2	1	L4X4X5/16	9'-10"	80		A36
10A3	1	ANGLE			SQ-2	
10A3	1	L4X4X5/16	8'-11 1/2"	73		A36
10A4	1	ANGLE			SQ-2	
10A4	1	L4X4X5/16	14'-6"	118		A36
10A5	2	ANGLES			SQ-2	
10A5	2	L6X6X3/8	1'-4"	40		A36
ps15	2	PL3/8"x5 5/8"	0'-5 5/8"	3		A36
10A6	1	ANGLE			SQ-2	
10A6	1	L4X4X5/16	12'-4"	101		A36
10A7	2	ANGLES			SQ-2	
10A7	2	L3X3X1/4	0'-6"	5		A36
10A8	1	ANGLE			SQ-2	
10A8	1	L6X6X3/8	1'-4"	20		A36
ps15	1	PL3/8"x5 5/8"	0'-5 5/8"	2		A36
		TOTAL WEIGHT THIS DRAWING		528		



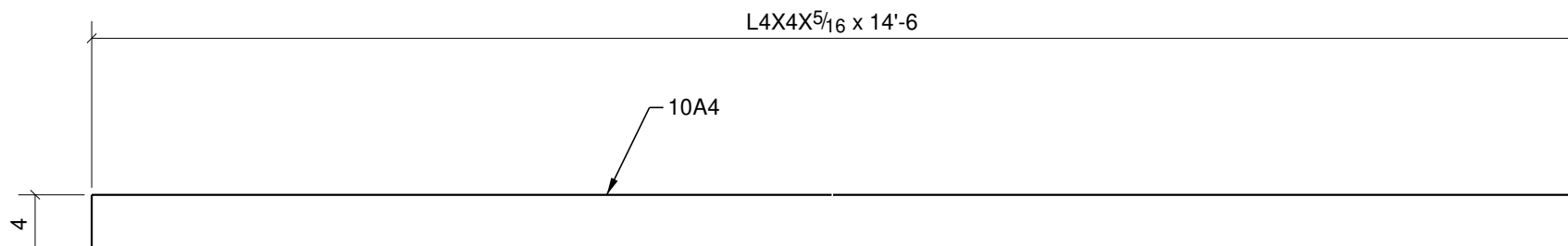
1 ~ ANGLE ~ 10A1



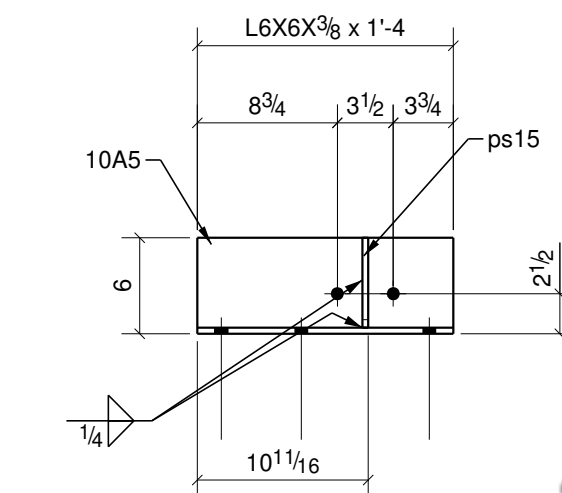
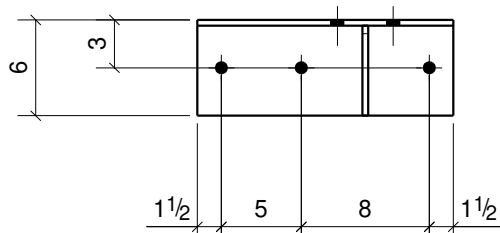
1 ~ ANGLE ~ 10A2



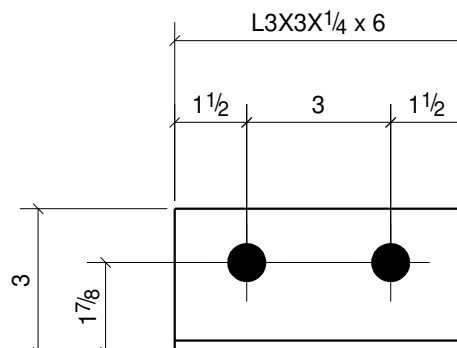
1 ~ ANGLE ~ 10A3



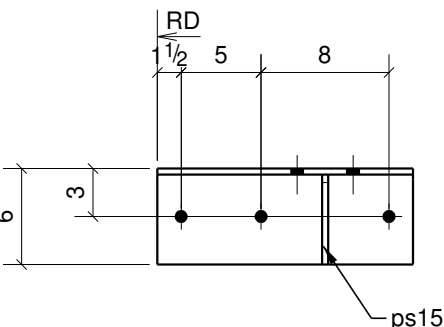
1 ~ ANGLE ~ 10A4



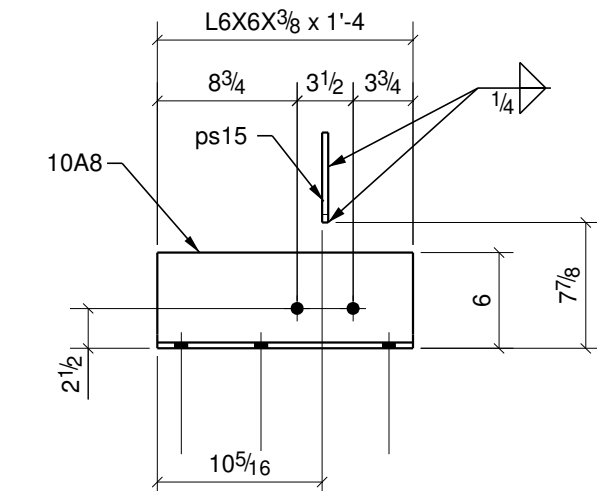
1 ~ ANGLE ~ 10A6



2 ~ ANGLE ~ 10A7



1 ~ ANGLE ~ 10A8



SWISS DRAFTING,CA (323)-286-0872



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ASTM A992-00
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
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HOLLOW SECTIONS
ASTM A500, Gr. B
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A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A	09/26/22	FOR APPROVAL
B	11/08/22	REVISED PER EOR
C	02/22/23	REVISED PER FIELD

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY-PHASE I

LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
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RH	AS
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JOB #	SHEET #
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10

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

GENERAL NOTES

1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELOW.
3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

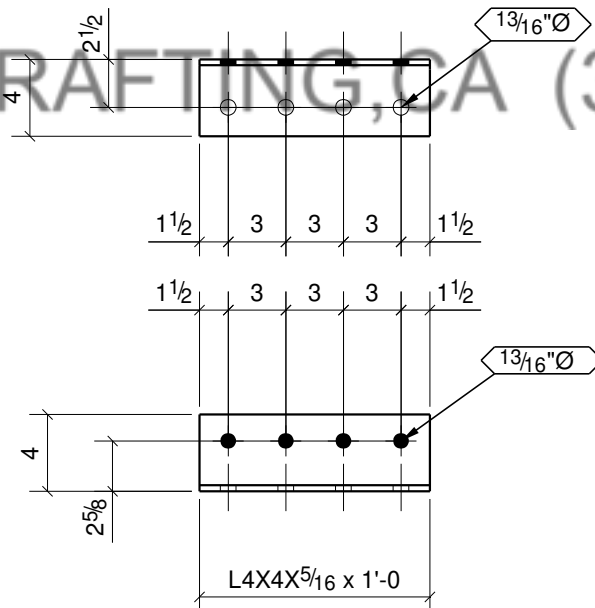
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	as1



16 - ANGLES - as1

ERECTION NOTES

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MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A 11/08/23 FOR APPROVAL
B 02/27/23 RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

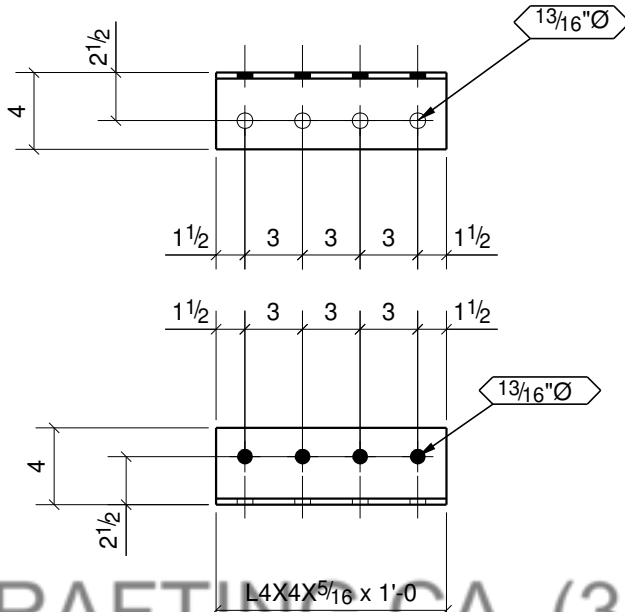
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	as2



ONE - ANGLE - as2

ERECTION NOTES

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MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

REV	DATE	DESCRIPTION
A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF SILO CITY: PHASE I

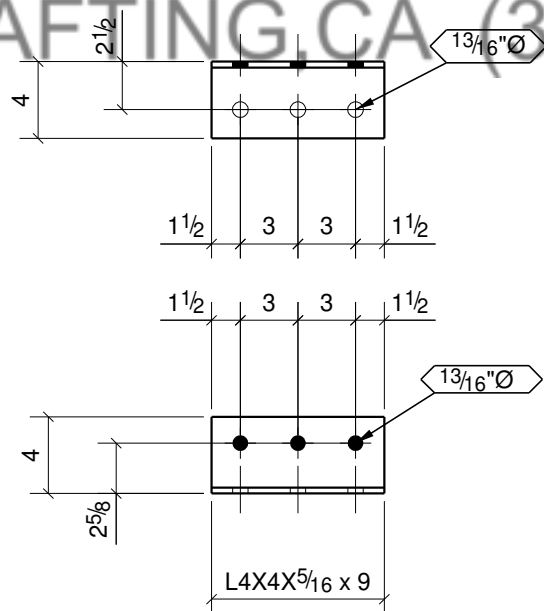
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	as3



90 - ANGLES - as3



ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
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8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

NO.	DATE	DESCRIPTION
A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF SILO CITY: PHASE I

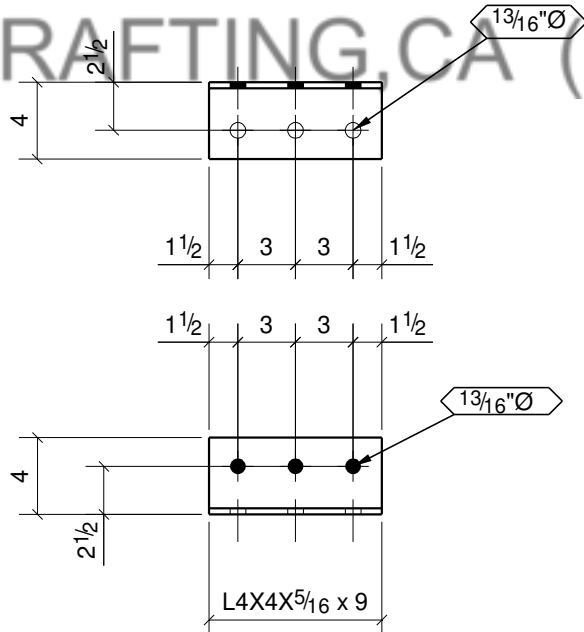
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	as4



6 - ANGLES - as4

ERECTION NOTES

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GENERAL NOTES

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8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A 11/08/23 FOR APPROVAL
B 02/27/23 RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF SILO CITY: PHASE I

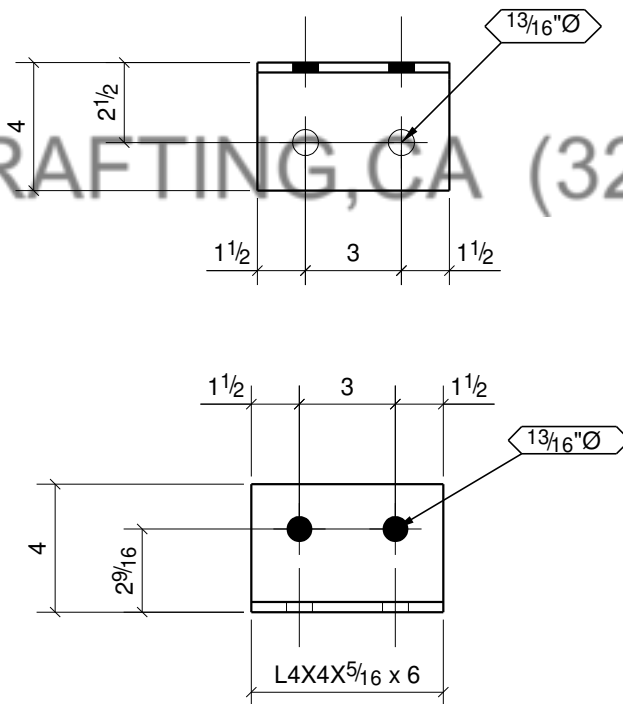
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	as5



4 - ANGLES - as5

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
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7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A 11/08/23 FOR APPROVAL
B 02/27/23 RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

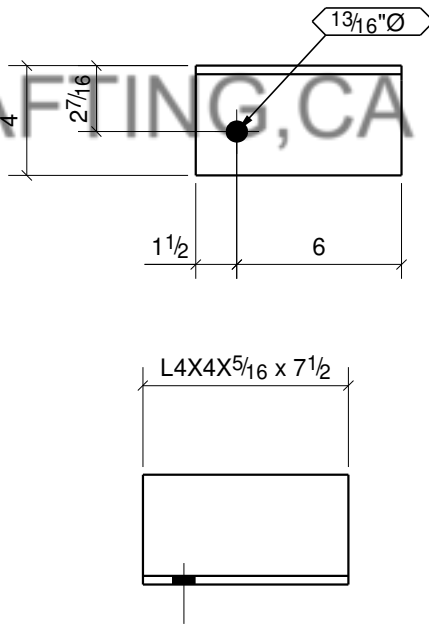
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	as11



ONE - ANGLE - as11

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
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MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

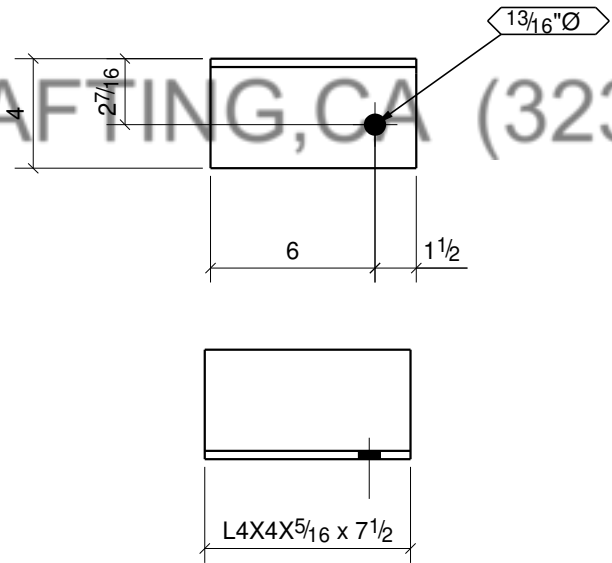
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

ANGLE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	as12



ONE - ANGLE - as12

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
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GENERAL NOTES

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7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A 11/08/23 FOR APPROVAL
B 02/27/23 RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

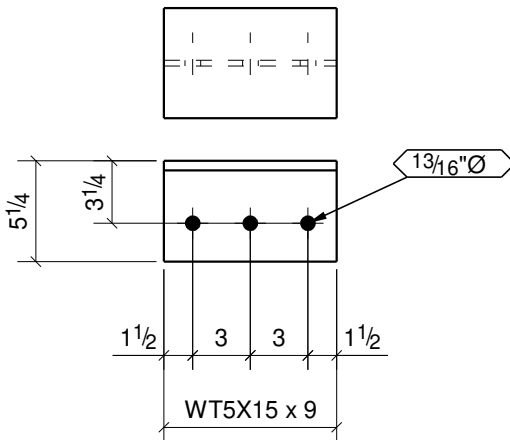
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

WT DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ms1



2 - WTS - ms1

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
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MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A 11/08/23 FOR APPROVAL
B 02/27/23 RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

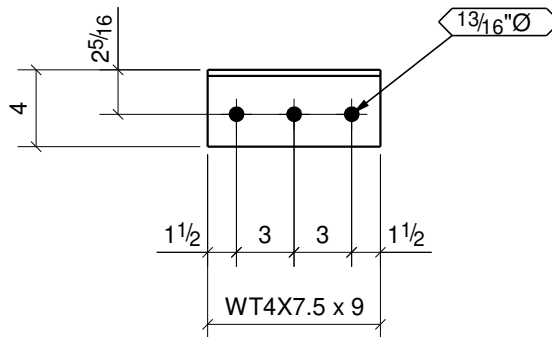
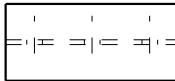
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

WT DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ms2



5 - WTS - ms2

ERECTION NOTES

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MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

NO.	DATE	DESCRIPTION
A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

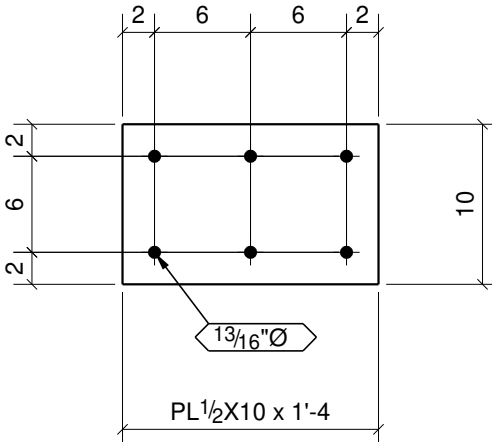
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps1



ONE - ENDPLATE - ps1

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
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MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

NO.	DATE	DESCRIPTION
A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION

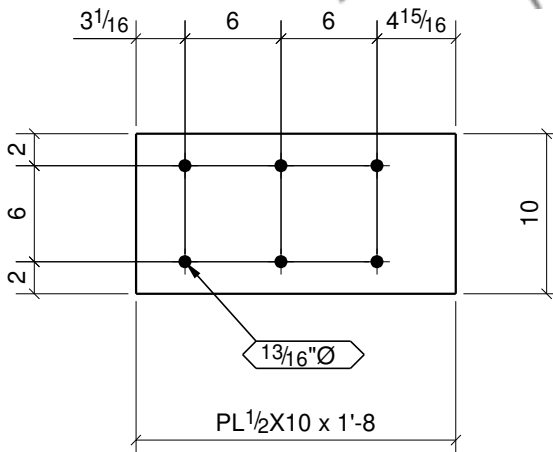
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps2

SWISS DRAFTING,CA (323)-286-0872



ONE - PLATE - ps2

ERECTION NOTES

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MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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REVISIONS

A 11/08/23 FOR APPROVAL
B 02/27/23 RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

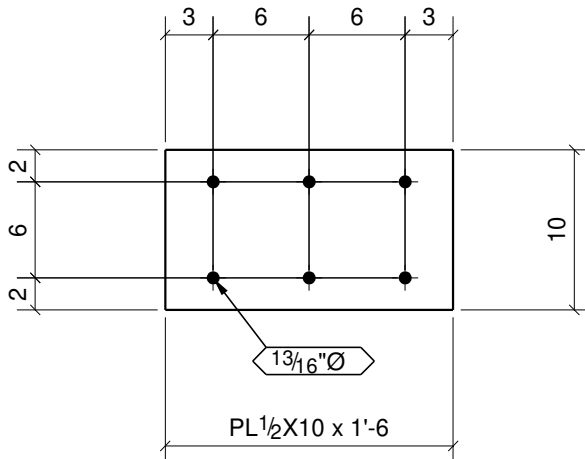
DRAWN BY CHECKED BY

RH AS

JOB # SHEET #

ps3

SWISS DRAFTING,CA (323)-286-0872



2 - PLATES - ps3

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

GENERAL NOTES

1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELOW.
3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

REV	DATE	DESCRIPTION
A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

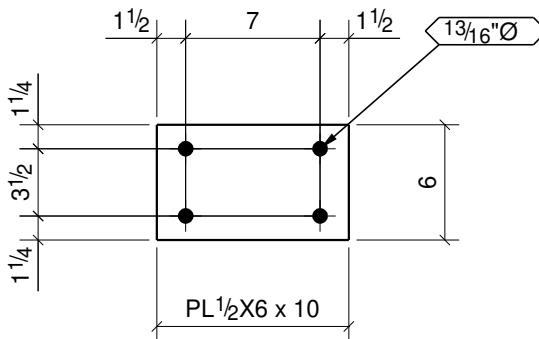
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps4



2 - PLATES - ps4

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MATERIAL GRADE

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ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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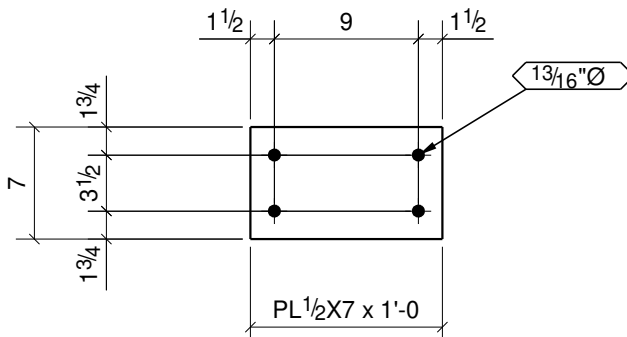
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps5



ONE - PLATE - ps5

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MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A588
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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REVISIONS

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SILO CITY: PHASE I

LOCATION

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DESCRIPTION

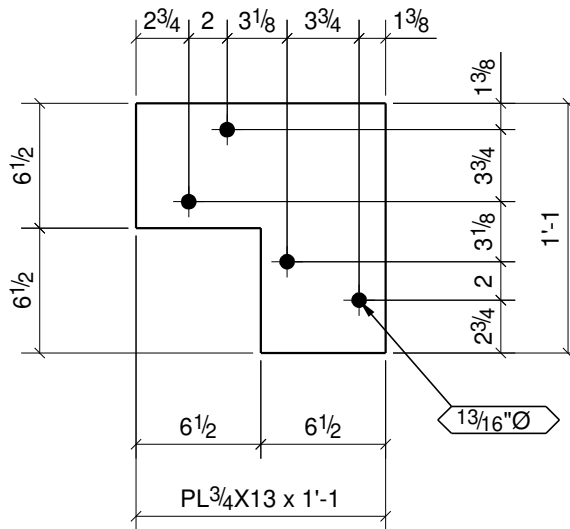
PLATE DETAILS

DRAWN BY CHECKED BY

RH AS

JOB # SHEET #

ps6



2 - PLATES - ps6

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MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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PROJECT NAME

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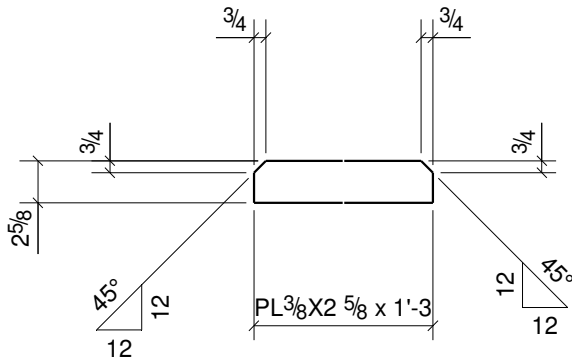
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps8



8 - PLATES - ps8

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MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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REVISIONS

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PROJECT NAME

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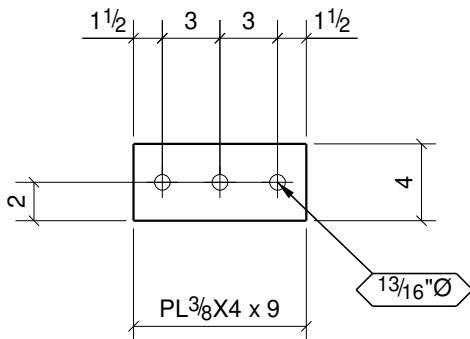
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps9



9 - PLATES - ps9

ERECTION NOTES

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MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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PROJECT NAME

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SILO CITY: PHASE I

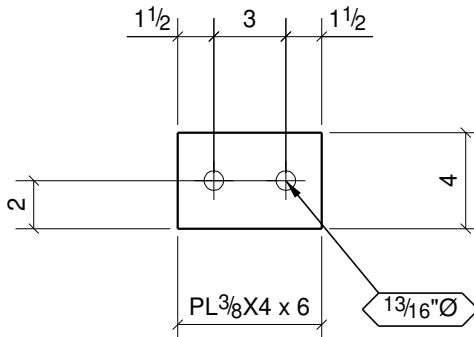
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps10



6 - PLATES - ps10

ERECTION NOTES

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MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

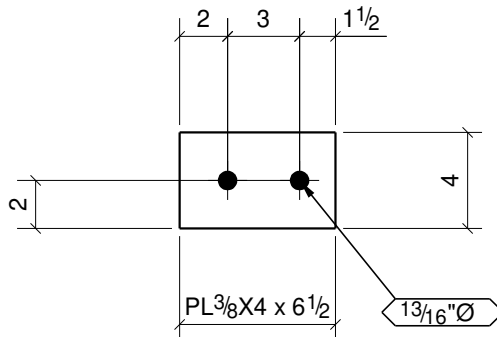
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps11



ONE - PLATE - ps11

ERECTION NOTES

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MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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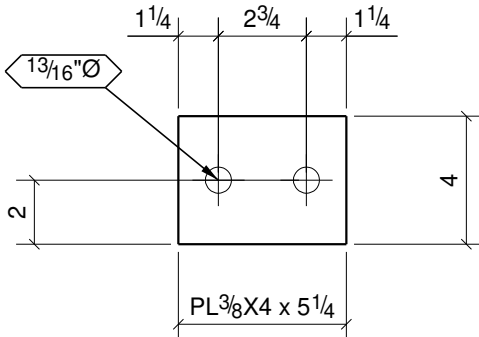
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps12



2 - PLATES - ps12



KERR INDUSTRIES INC
933 RANSOM RD. STE B
LANCASTER, NY 14086
PH. 716-685-5377
FAX. 716-299-2902

ERECTION NOTES

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MATERIAL GRADE

- WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

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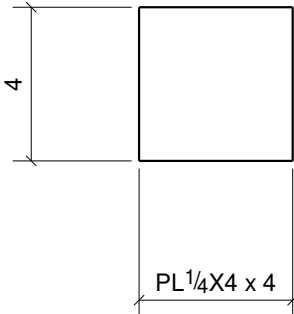
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps13



3 - PLATES - ps13



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MATERIAL GRADE

- WIDE FLANGES - ASTM A992 50.
- PLATES/CHANNELS/ANGLES - ASTM A36
- PIPES - ASTM A53 Gr. B
- HOLLOW SECTIONS - ASTM A500, Gr. B
- ANCHOR RODS - A307

NOTES

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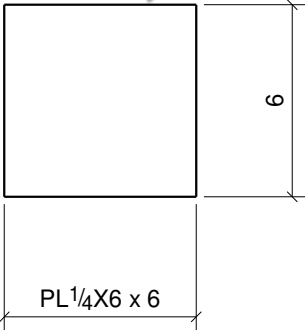
139 BUFFALO RIVER ROAD
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DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	ps14

ONE - PLATE - ps14



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PLATES/CHANNELS/ANGLES
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PIPES
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HOLLOW SECTIONS
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SILO CITY: PHASE I

LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

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JOB #	SHEET #
	ps15

4 - PLATES - ps15



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PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF SILO CITY: PHASE I

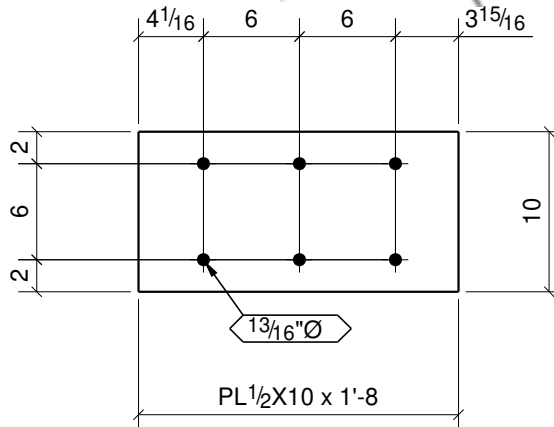
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
JOB #	SHEET #
	ps16



ONE - PLATE - ps16

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

GENERAL NOTES

1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELW.
3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

NO.	DATE	DESCRIPTION
A	02/27/23	FOR APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION

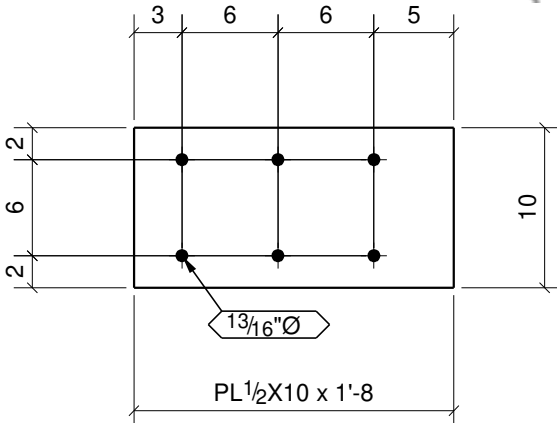
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
JOB #	SHEET #
	ps17

SWISS DRAFTING,CA (323)-286-0872



ONE - ENDPLATE - ps17

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

GENERAL NOTES

1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELONG.
3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

NO.	DATE	DESCRIPTION
A	08/27/23	FOR APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

LOCATION

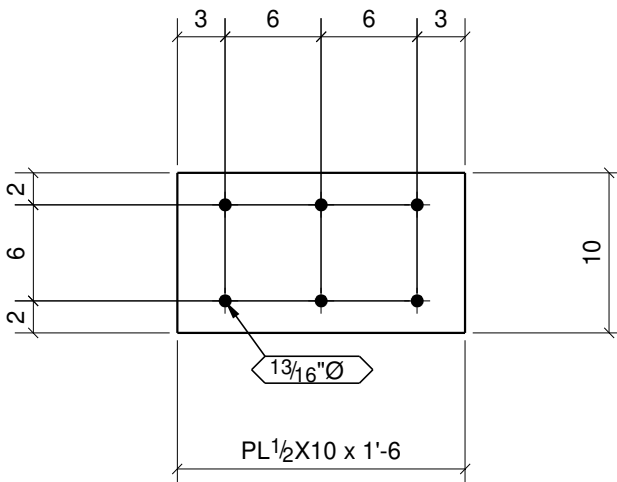
139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
JOB #	SHEET #
	ps18

SWISS DRAFTING,CA (323)-286-0872



ONE - ENDPLATE - ps18

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

GENERAL NOTES

1. STEEL FABRICATED TO AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHAPES, PLATES, BARS, AND ANGLES PER SPEC/BELOW.
3. STANDARD WELDS TO BE 3/16" FILLET WELDS U.N.O.
4. STANDARD BOLTED CONNECTIONS 13/16" HOLES FOR 3/4" A325N STRUCTURAL BOLTS.
5. ALL STEEL FINISHES TO HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT.
6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A572
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

NO.	DATE	DESCRIPTION
A	02/27/23	FOR APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

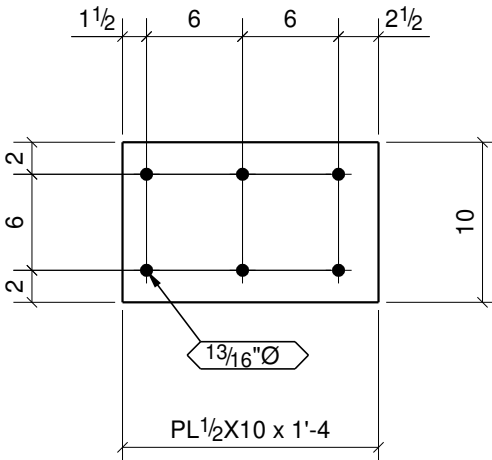
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
JOB #	SHEET #
	ps19



ONE - ENDPLATE - ps19

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
2. PLAN IS REPLICATED FROM CONTRACT DRAWINGS IN TERMS OF DIMENSIONS, AND ARE FABRICATED TO THE DIMENSIONS SHOWN. ANY CHANGE IN DIMENSION MUST BE NOTED.

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6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A58
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

NO.	DATE	DESCRIPTION
A	02/27/23	FOR APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

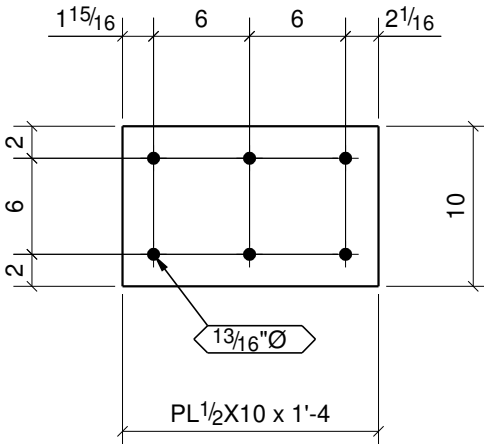
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

PLATE DETAILS

DRAWN BY	CHECKED BY
JOB #	SHEET #
	ps20



ONE - ENDPLATE - ps20

ERECTION NOTES

1. PLAN SHOWS TRUE NORTH, AND PROJECT NORTH FOR THE PURPOSE OF FABRICATION AND ERECTION.
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6. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.
7. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
8. MOMENT CONNECTION ARE TO BE WELDED UNLESS NOTED OTHERWISE.

MATERIAL GRADE

WIDE FLANGES
ASTM A992 50.
PLATES/CHANNELS/ANGLES
ASTM A36
PIPES
ASTM A53 Gr. B
HOLLOW SECTIONS
ASTM A500, Gr. B
ANCHOR RODS
A307

NOTES

CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF ALL DIMENSIONS & ELEVATIONS ON THIS DRAWINGS WITH THOSE THAT EXIST IN THE FIELD.

REVISIONS

A	11/08/23	FOR APPROVAL
B	02/27/23	RE-APPROVAL

PROJECT NAME

HISTORIC RENOVATION AND ADAPTIVE REUSE OF
SILO CITY: PHASE I

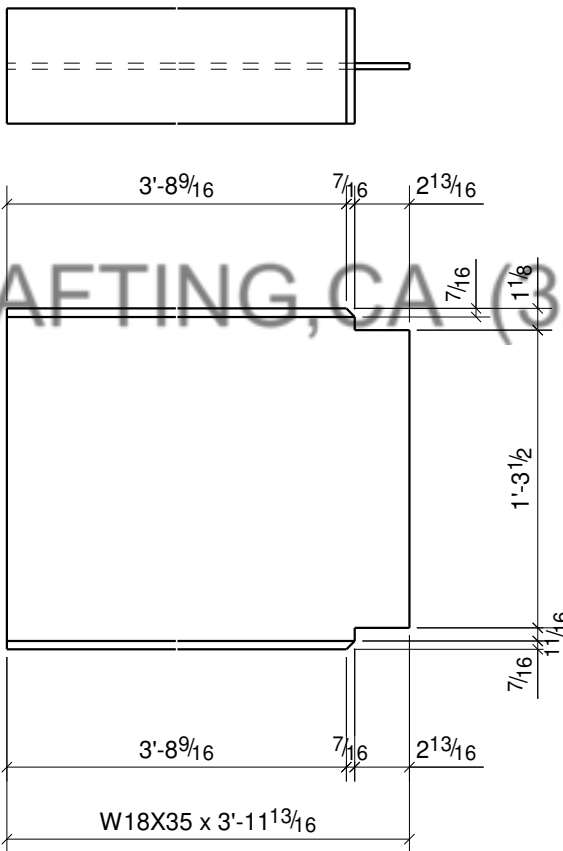
LOCATION

139 BUFFALO RIVER ROAD
BUFFALO, NY 14203

DESCRIPTION

W-BEAM DETAILS

DRAWN BY	CHECKED BY
RH	AS
JOB #	SHEET #
	w44



3 - BEAMS - w44