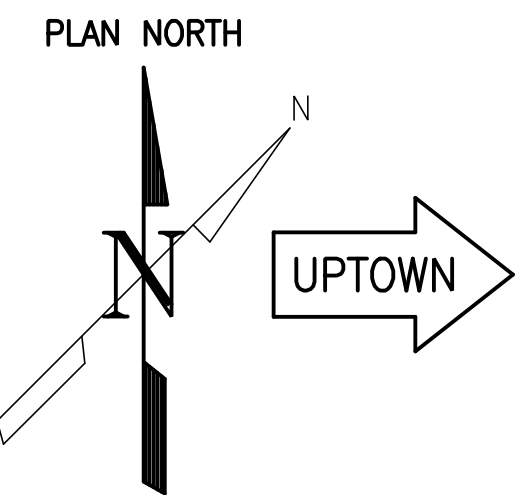


STAIR P-20 MEZZANINE LEVEL
SCALE 1"=1'-0"

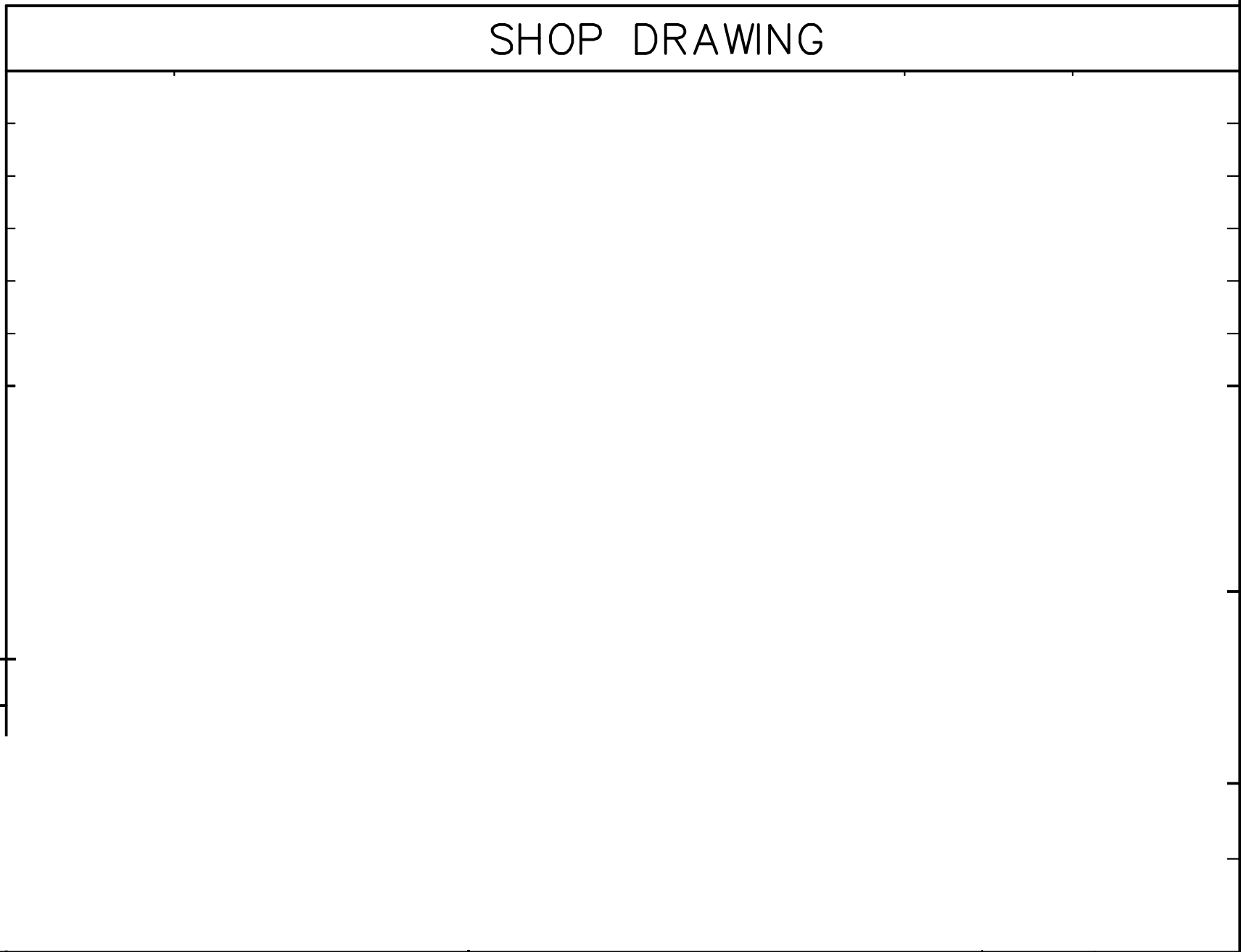


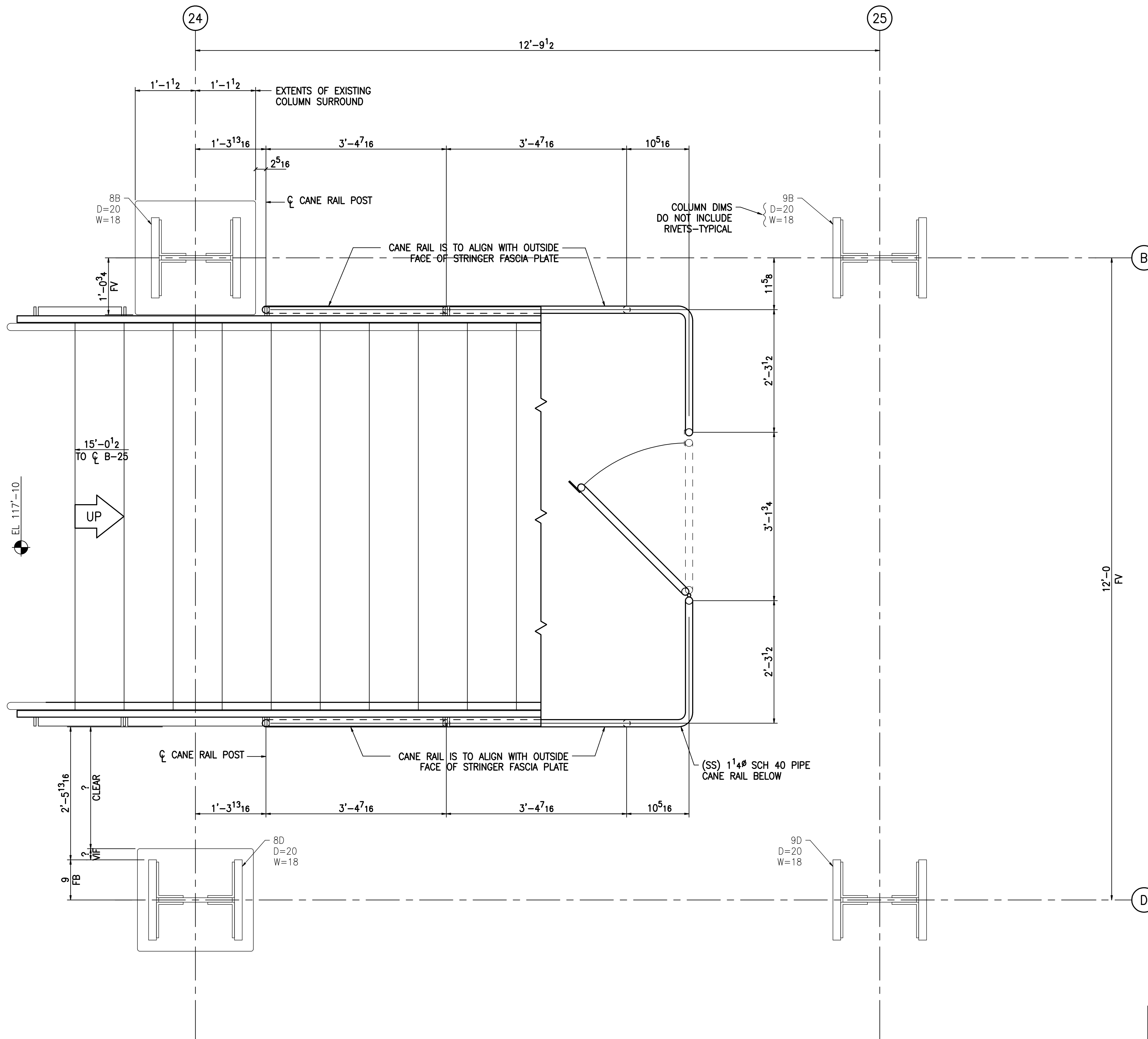
- FINISHES:**
1. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH
 2. ALL FASTENERS ARE TO BE STAINLESS STEEL TYPE 18-8 MIN.
 3. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-SHOP COAT PRIMER UNLESS ENCASED IN CONCRETE WHERE THEY ARE TO BE UNCOATED
 4. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT

- NOTES:**
1. FASTEN CAST ALUMINUM TREADS TO BENT R. W/3/8" FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 2. FASTEN PERFORATED S.S. RISER RATES W/#10 FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 3. ALL BOLTED CONNECTIONS ARE TO BE SNUG TIGHT
 4. VIF = VERIFY IN FIELD
 5. NIC = NOT IN CONTRACT
 6. NTS = NOT TO SCALE
 7. WELDING PER D1.1

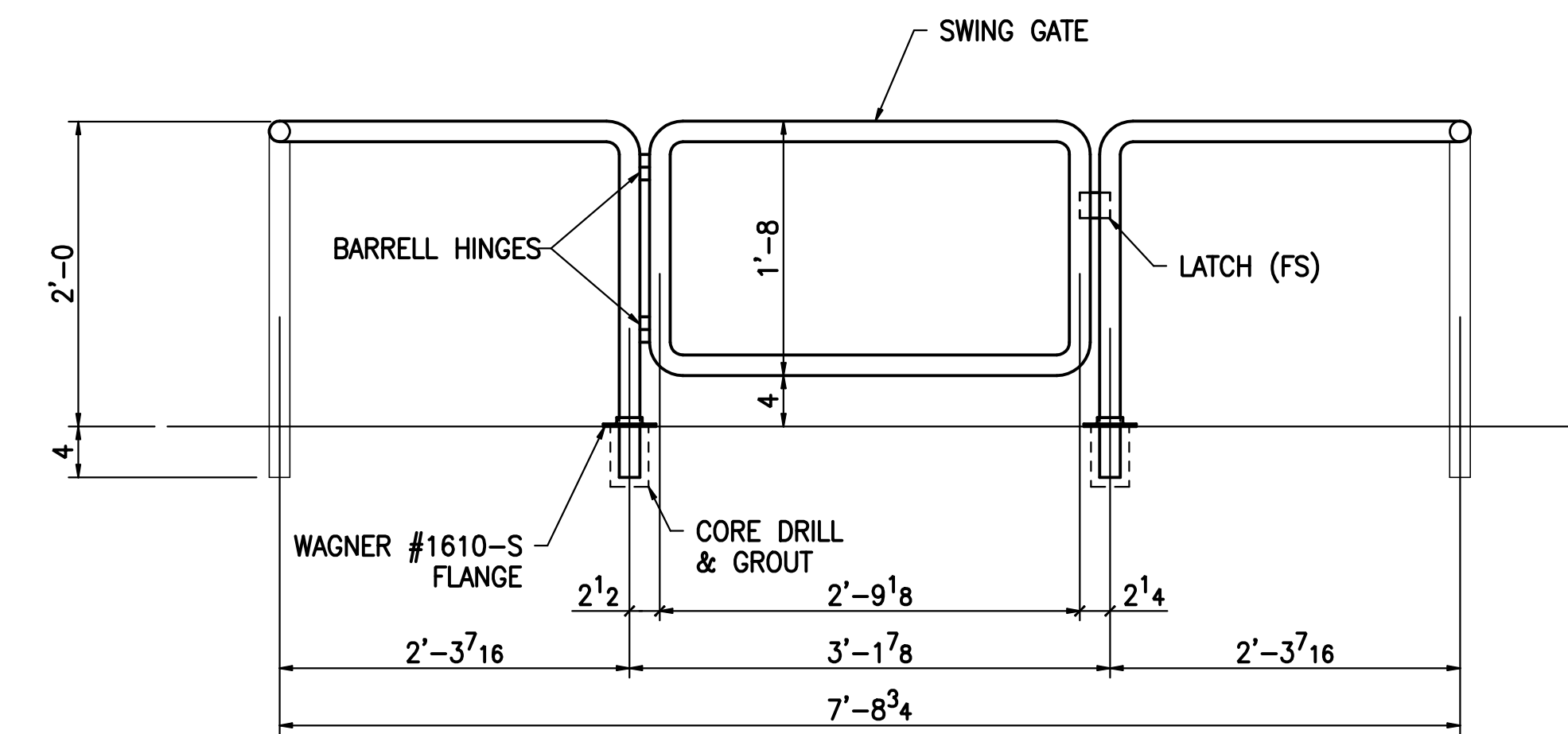
GENERAL NOTES
 MATERIAL: A36 TYP (UNO)
 WF: A992
 TUBING: A500B
 PIPE: A53B
 BOLTS: A325 TYP (UNO)

FABRICATOR	ERECTOR





STAIR P-20 PLATFORM LEVEL
SCALE 1"=1'-0"



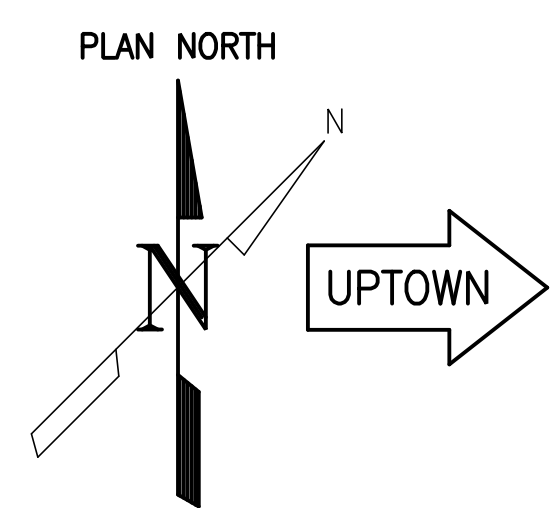
P-20 CANE RAIL GATE ELEVATION
LOOKING WEST

- FINISHES:**
1. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH
 2. ALL FASTENERS ARE TO BE STAINLESS STEEL TYPE 18-8 MIN.
 3. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-SHOP COAT PRIMER UNLESS ENCASED IN CONCRETE WHERE THEY ARE TO BE UNCOATED
 4. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT

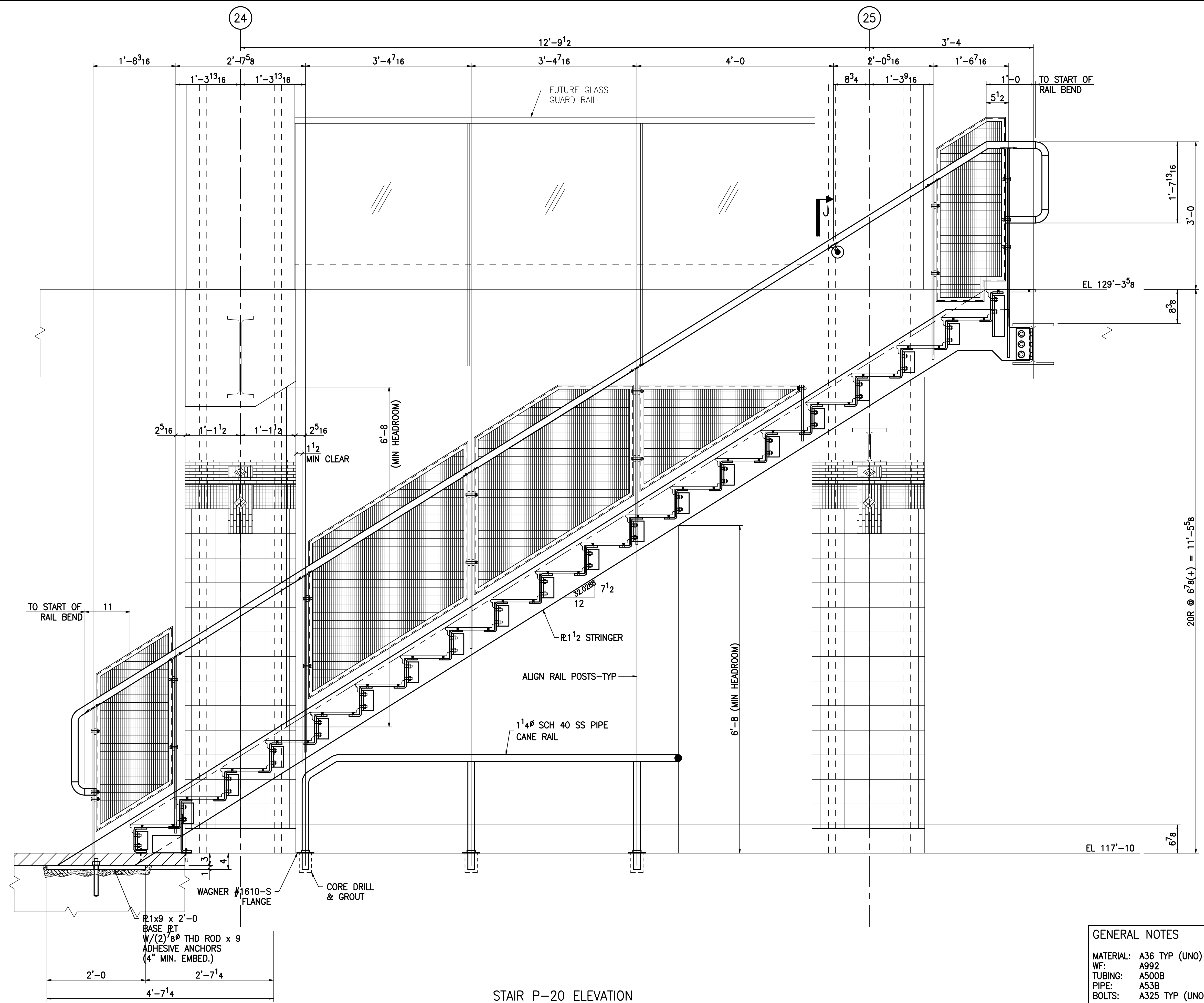
- NOTES:**
1. FASTEN CAST ALUMINUM TREADS TO BENT R W/3/8" FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 2. FASTEN PERFORATED S.S. RISER RATES W/#10 FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 3. ALL BOLTED CONNECTIONS ARE TO BE SNUG TIGHT
 4. VIF = VERIFY IN FIELD
 5. NIC = NOT IN CONTRACT
 6. NTS = NOT TO SCALE
 7. WELDING PER D1.1

GENERAL NOTES
 MATERIAL: A36 TYP (UNO)
 WF: A992
 TUBING: A500B
 PIPE: A53B
 BOLTS: A325 TYP (UNO)

FABRICATOR	ERECTOR
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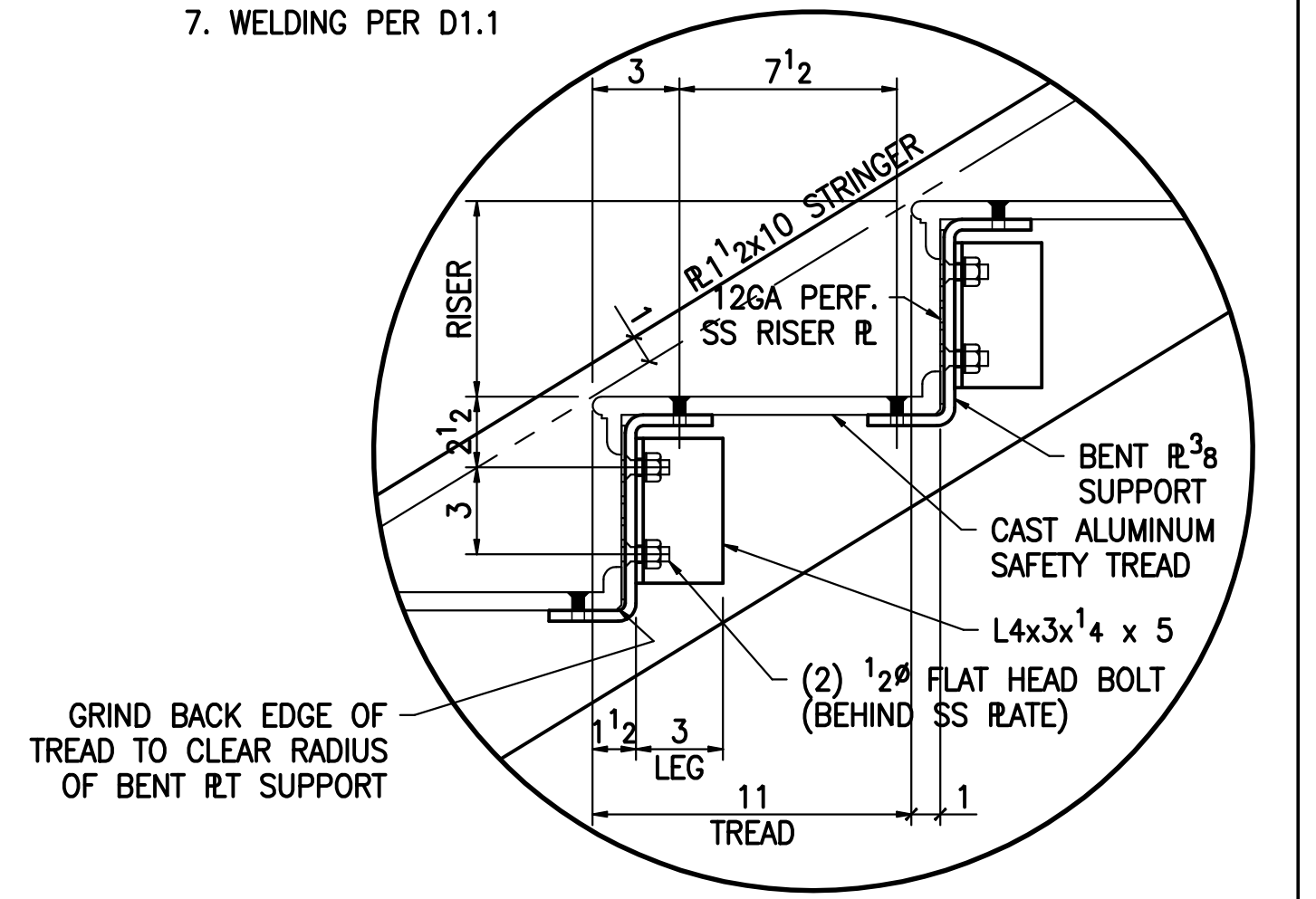


SHOP DRAWING



STAIR P-20 ELEVATION
LOOKING NORTH

- FINISHES:**
- "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH
 - ALL FASTENERS ARE TO BE STAINLESS STEEL TYPE 18-8 MIN.
 - STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-SHOP COAT PRIMER UNLESS ENCASED IN CONCRETE WHERE THEY ARE TO BE UNCOATED
 - PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
- NOTES:**
- FASTEN CAST ALUMINUM TREADS TO BENT R. W/ 3/8" FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 - FASTEN PERFORATED S.S. RISER RATES W/ #10 FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 - ALL BOLTED CONNECTIONS ARE TO BE SNUG TIGHT
 - VIF = VERIFY IN FIELD
 - NIC = NOT IN CONTRACT
 - NTS = NOT TO SCALE
 - WELDING PER D1.1



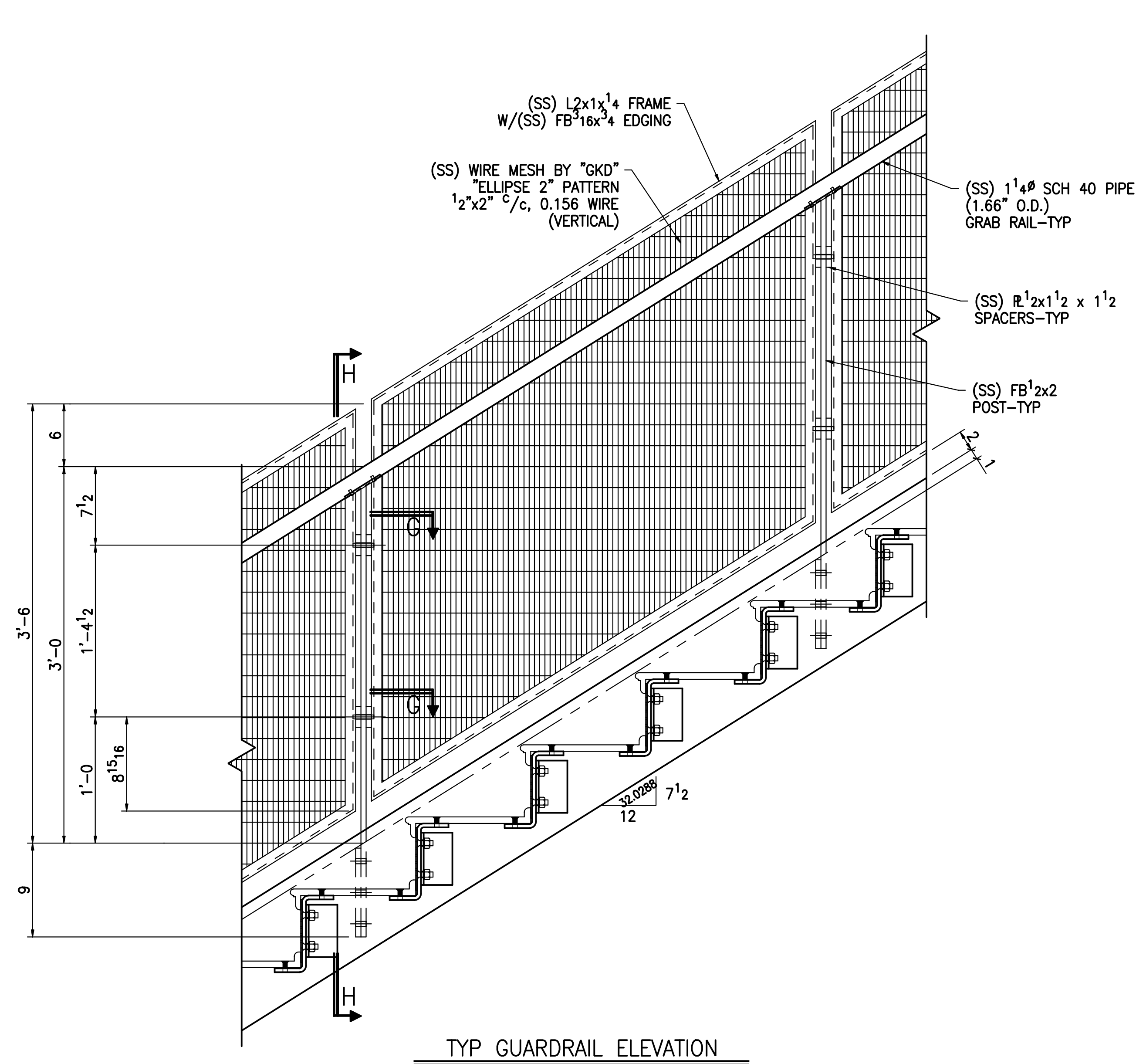
TYP TREAD & RISER DETAIL

SHOP DRAWING

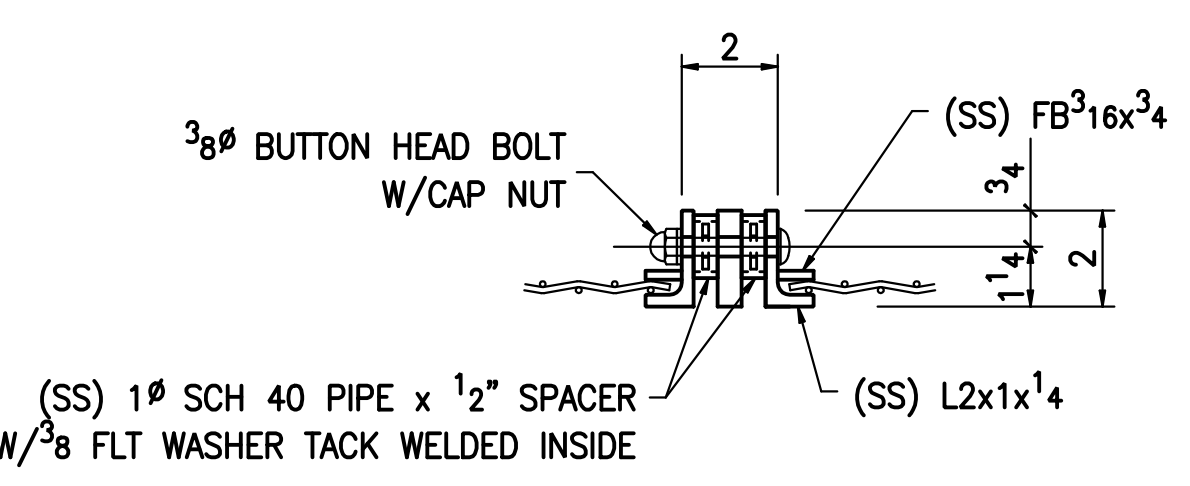
GENERAL NOTES

MATERIAL:	A36 TYP (UNO)
WF:	A992
TUBING:	A500B
PIPE:	A53B
BOLTS:	A325 TYP (UNO)

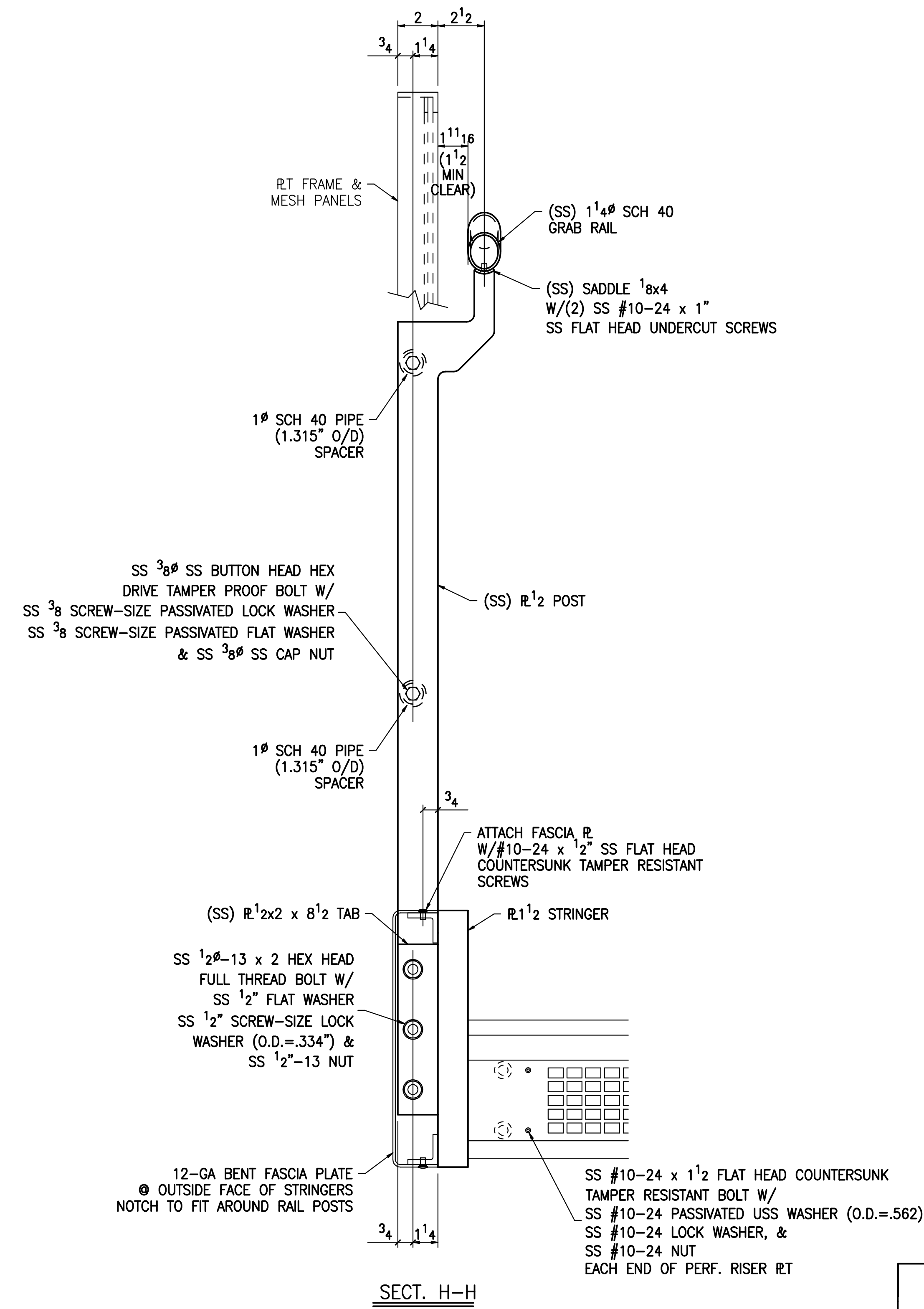
FABRICATOR	ERECTOR



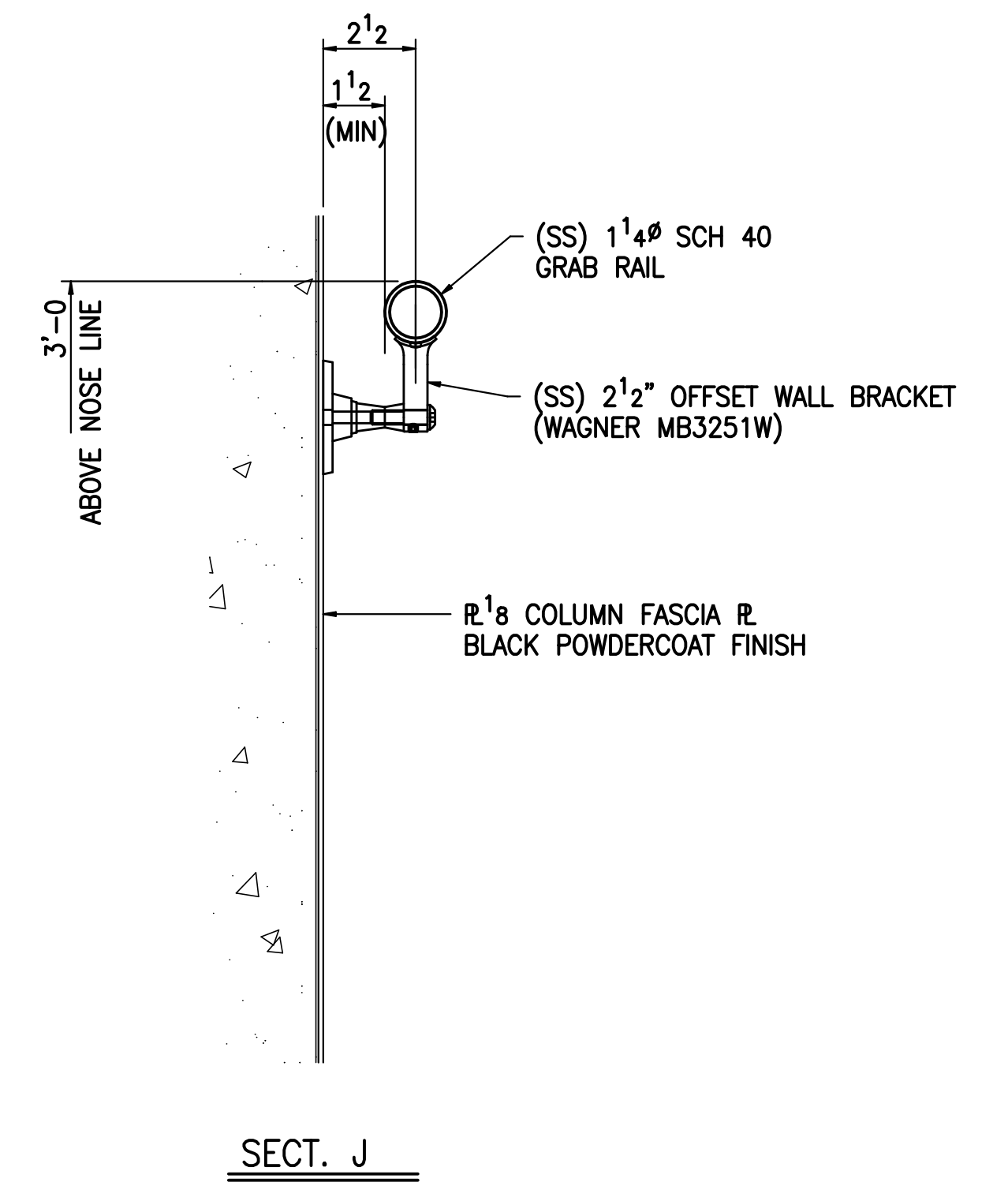
TYP GUARDRAIL ELEVATION



SECT. G



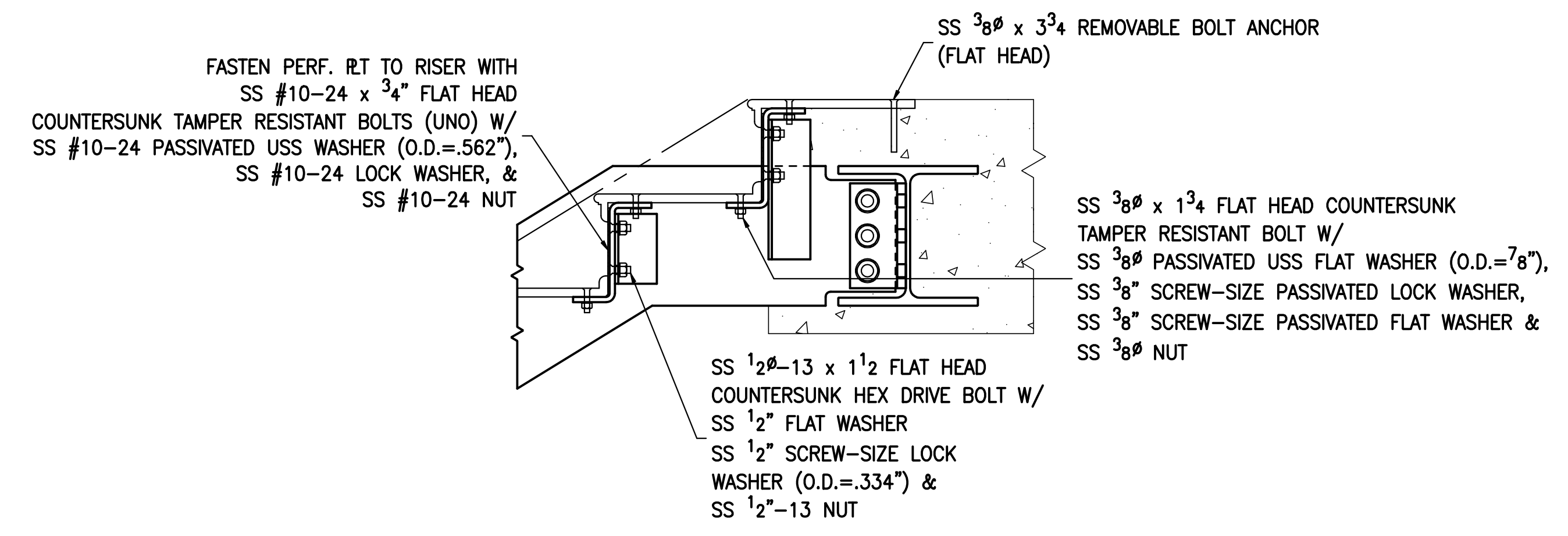
SECT. H-H



SECT. J

- FINISHES:**
- "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH
 - ALL FASTENERS ARE TO BE STAINLESS STEEL TYPE 18-8 MIN.
 - STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-SHOP COAT PRIMER UNLESS ENCASED IN CONCRETE WHERE THEY ARE TO BE UNCOATED
 - PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT

- NOTES:**
- FASTEN CAST ALUMINUM TREADS TO BENT R 3/8" FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 - FASTEN PERFORMED S.S. RISER RATES W/#10 FLAT HEAD BOLTS, NUTS, AND LOCK WASHERS
 - ALL BOLTED CONNECTIONS ARE TO BE SNUG TIGHT
 - VIF = VERIFY IN FIELD
 - NIC = NOT IN CONTRACT
 - NTS = NOT TO SCALE
 - WELDING PER D1.1



TREAD AND RISER FASTENERS

GENERAL NOTES

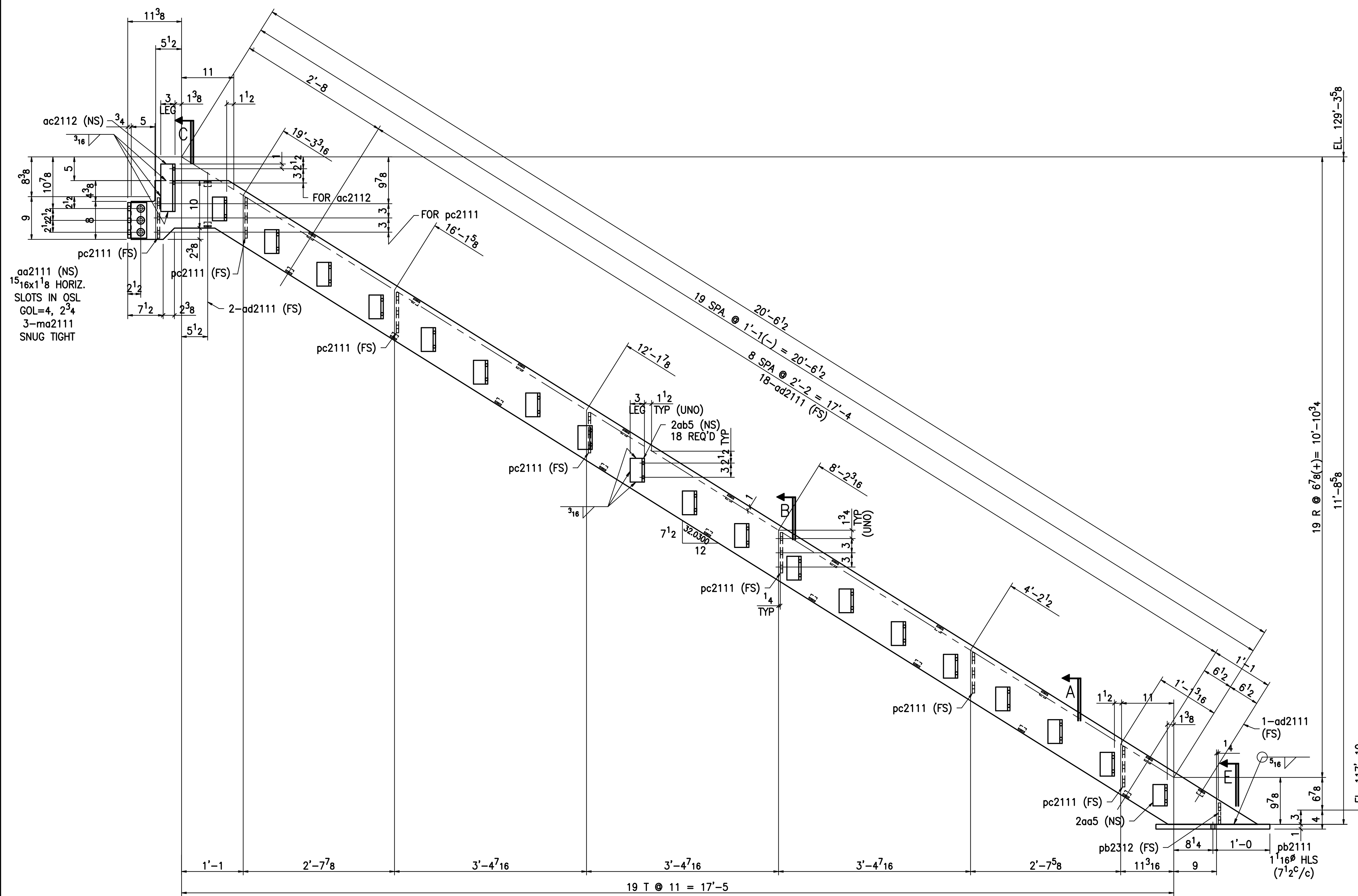
MATERIAL: A36 TYP (UNO)
 WF: A992
 TUBING: A500B
 PIPE: A53B
 BOLTS: A325 TYP (UNO)

FABRICATOR	ERECTOR
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SHOP DRAWING

BILL OF MATERIAL

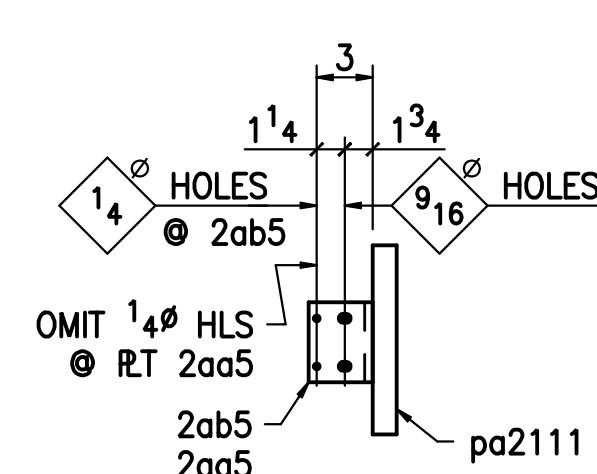
SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE		A2012	STAIR STRINGER			
ONE		pa2012	R1'2x21'8	22	9 1/8	A36
ONE		pb2111	R1x12	1	7 1/2	A36
ONE		aa2111	L8x4x5/8	0	5 1/2	A36
3		ma2111	7/8" A490	0	4 1/2	W/NUT & WASH
ONE		2aa5	L4x3x1/4	0	4 1/2	A36
18		2ab5	L4x3x1/4	0	5	A36
ONE		ac2112	L4x3x1/4	0	10	A36
7		pc2111	R1'2x2	0	8 1/2	A36
21		ad2111	L1x1x1/4	0	1 1/2	A36
ONE		pb2312	R1'2x2	0	4 1/2	A36



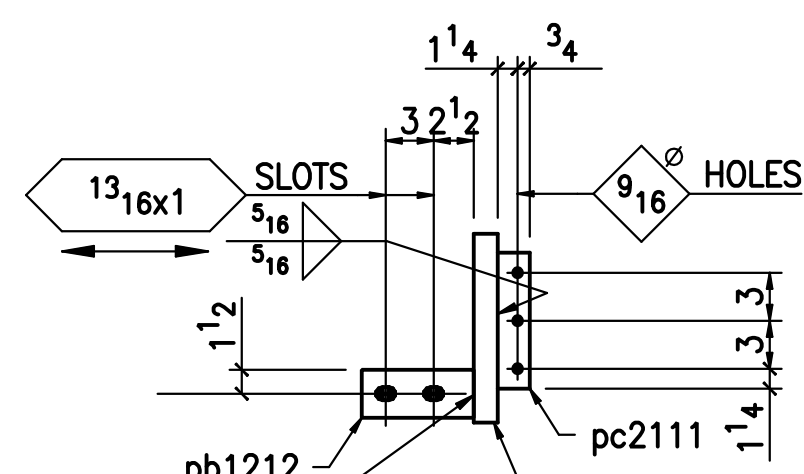
ONE - STAIR - A2012

- FINISHES:**
1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

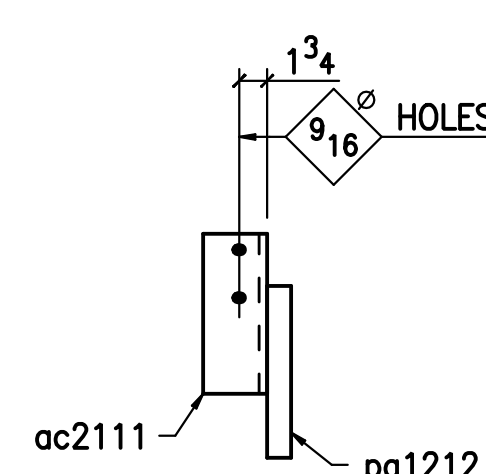
SHOP DRAWING



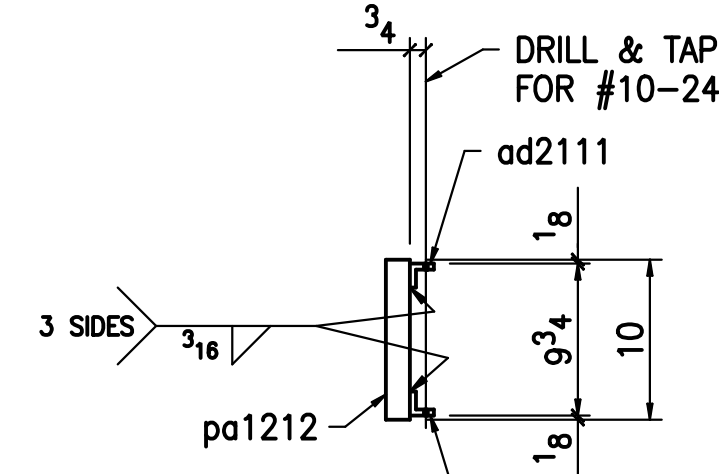
SECT. A



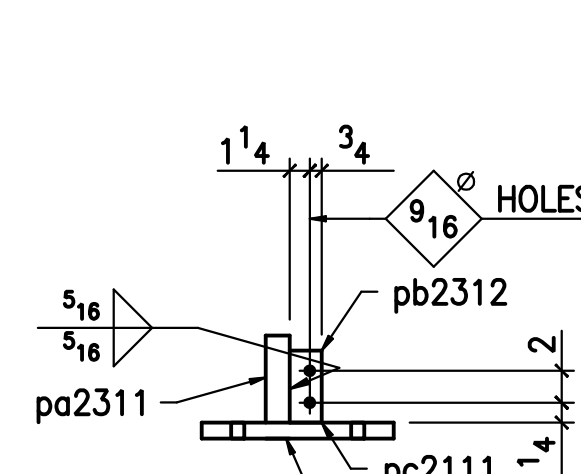
SECT. B



SECT. C

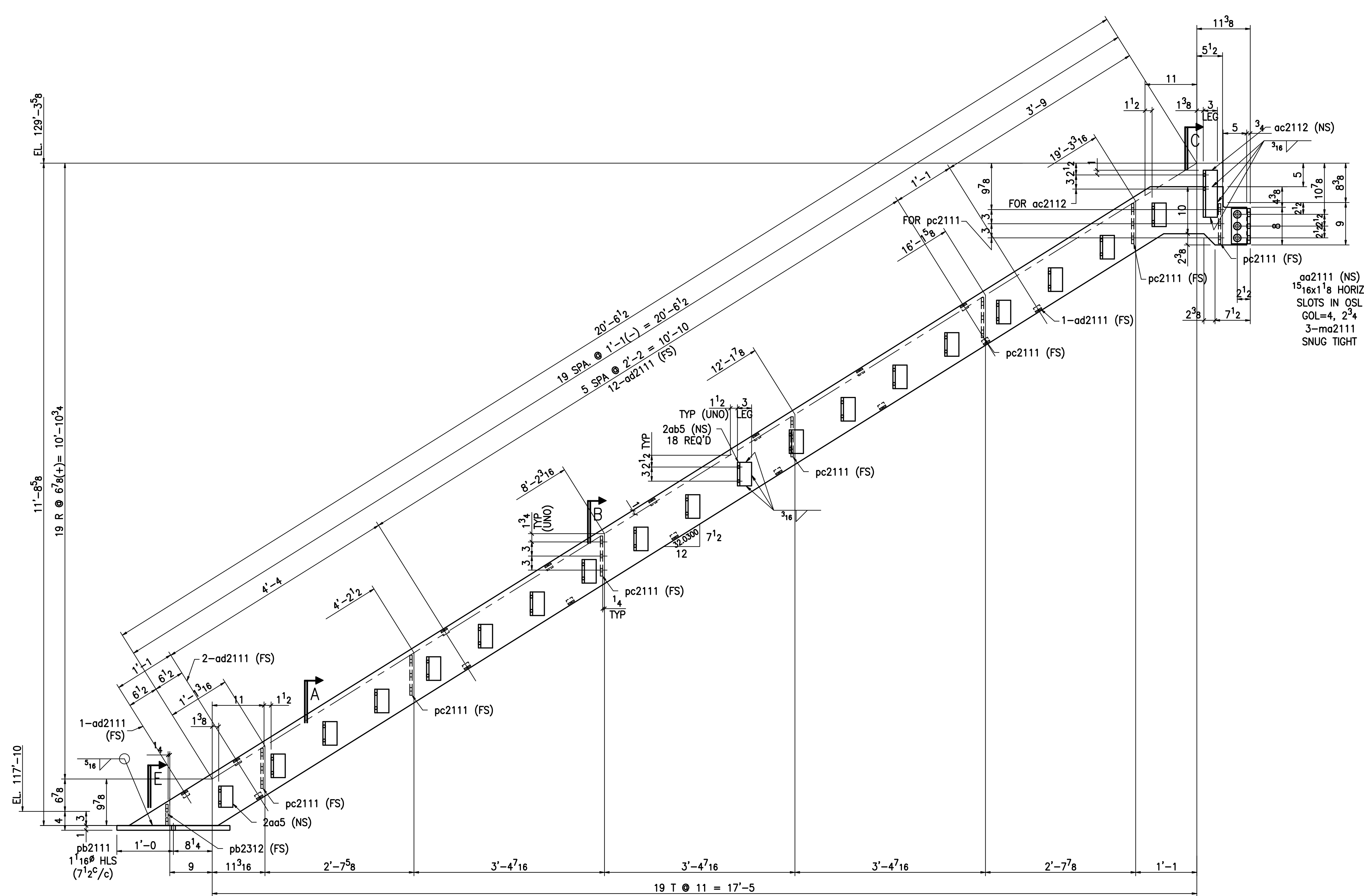


SECT. D



SECT. E

FABRICATOR	ERECTOR
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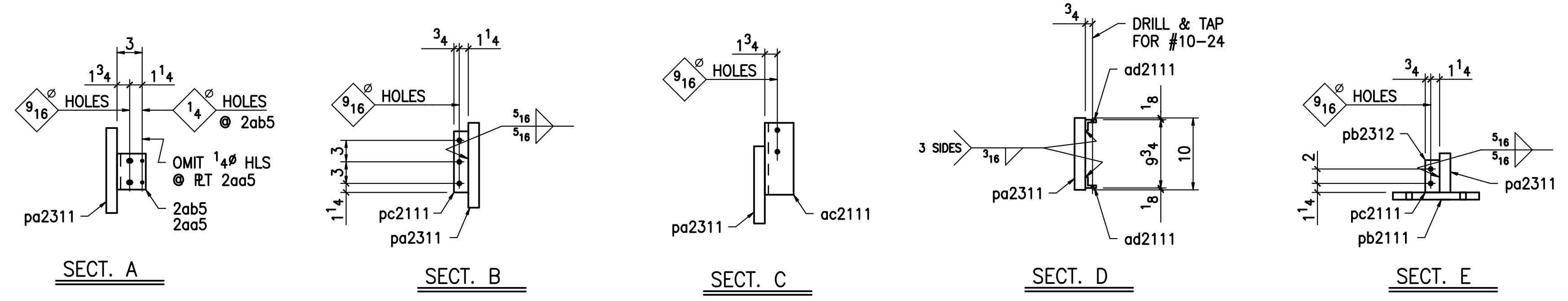


BILL OF MATERIAL						
SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE		A2013	STAIR STRINGER			
ONE	pa2012	R1'2x21'8		22	9 1/8	A36
ONE	pb2111	R1x12		1	7 1/2	A36
ONE	aa2111	L8x4x5/8		0	5 1/2	A36
3	ma2111	7/8" A490		0	4 1/2	W/NUT & WASH
ONE	2aa5	L4x3x1/4		0	4 1/2	A36
18	2ab5	L4x3x1/4		0	5	A36
ONE	ac2112	L4x3x1/4		0	10	A36
7	pc2111	R1'2x2		0	8 1/2	A36
16	ad2111	L1x1x1/4		0	1 1/2	A36
ONE	pb2312	R1'2x2		0	4 1/2	A36

aa2111 (NS)
 15x11/8 HORIZ.
 SLOTS IN OSL
 GOL=4, 2 3/4
 3-ma2111
 SNUG TIGHT

- FINISHES:**
1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

ONE - STAIR - A2013

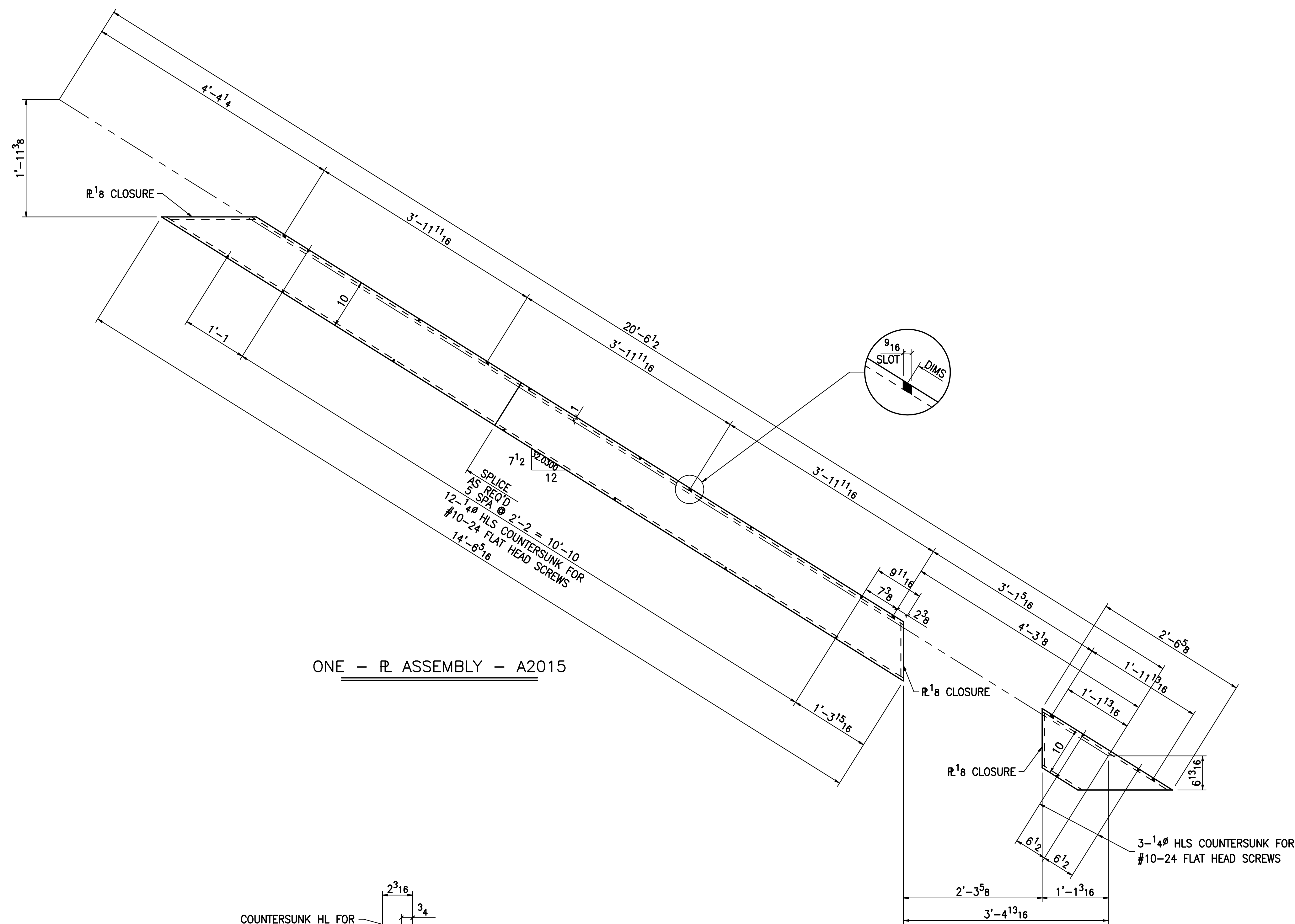


FABRICATOR	ERECTOR
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SHOP DRAWING

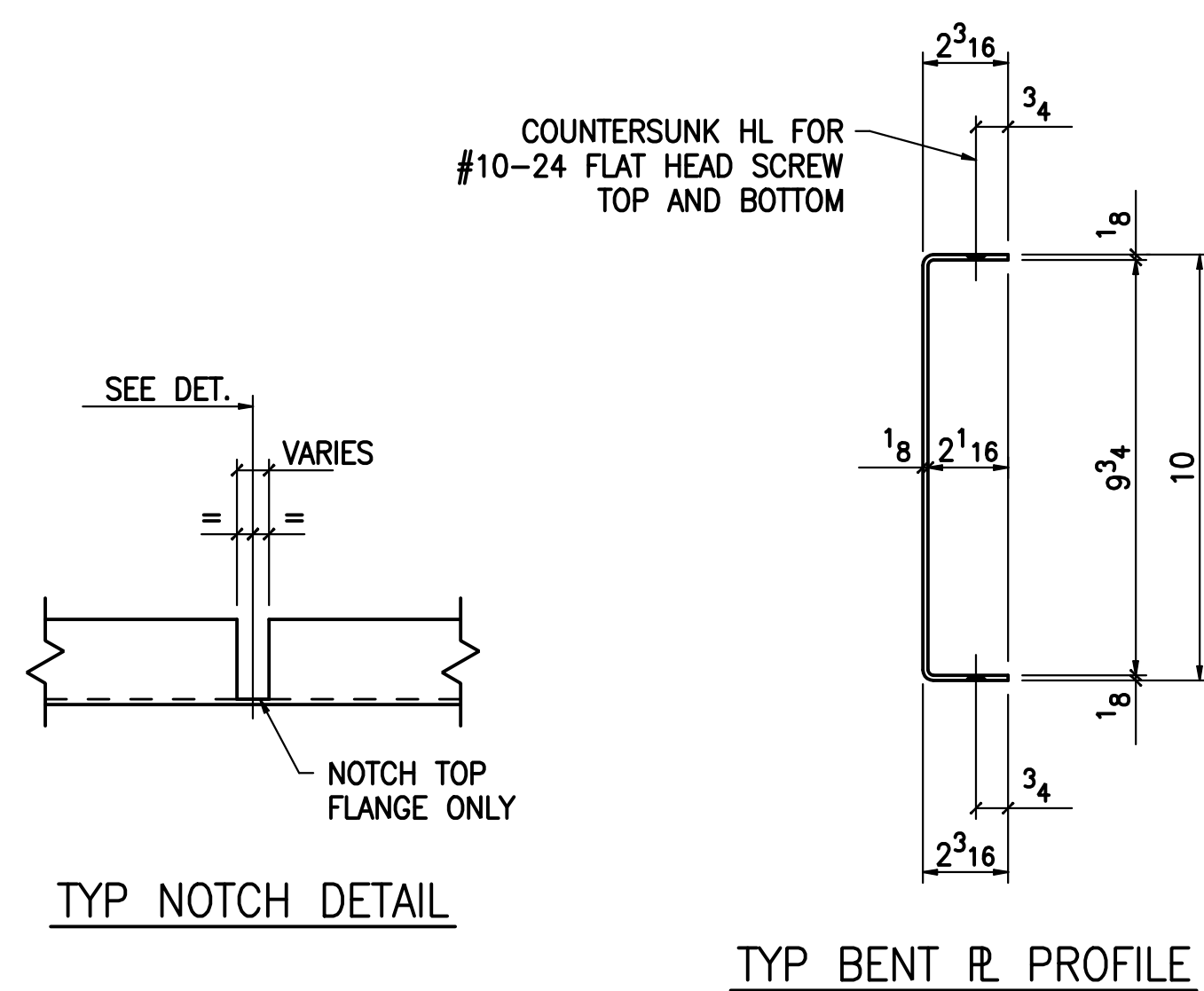
BILL OF MATERIAL

SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE		A2015	ASSEMBLY			
	ONE	pa2315	R ¹ 8x13 ⁷ / ₈	14	6 ⁵ / ₁₆	(LF) BENT A36
ONE		B2015	ASSEMBLY			
	ONE	pb2315	R ¹ 8x9 ¹³ / ₁₆	2	6 ⁵ / ₈	BENT A36



ONE - R ASSEMBLY - A2015

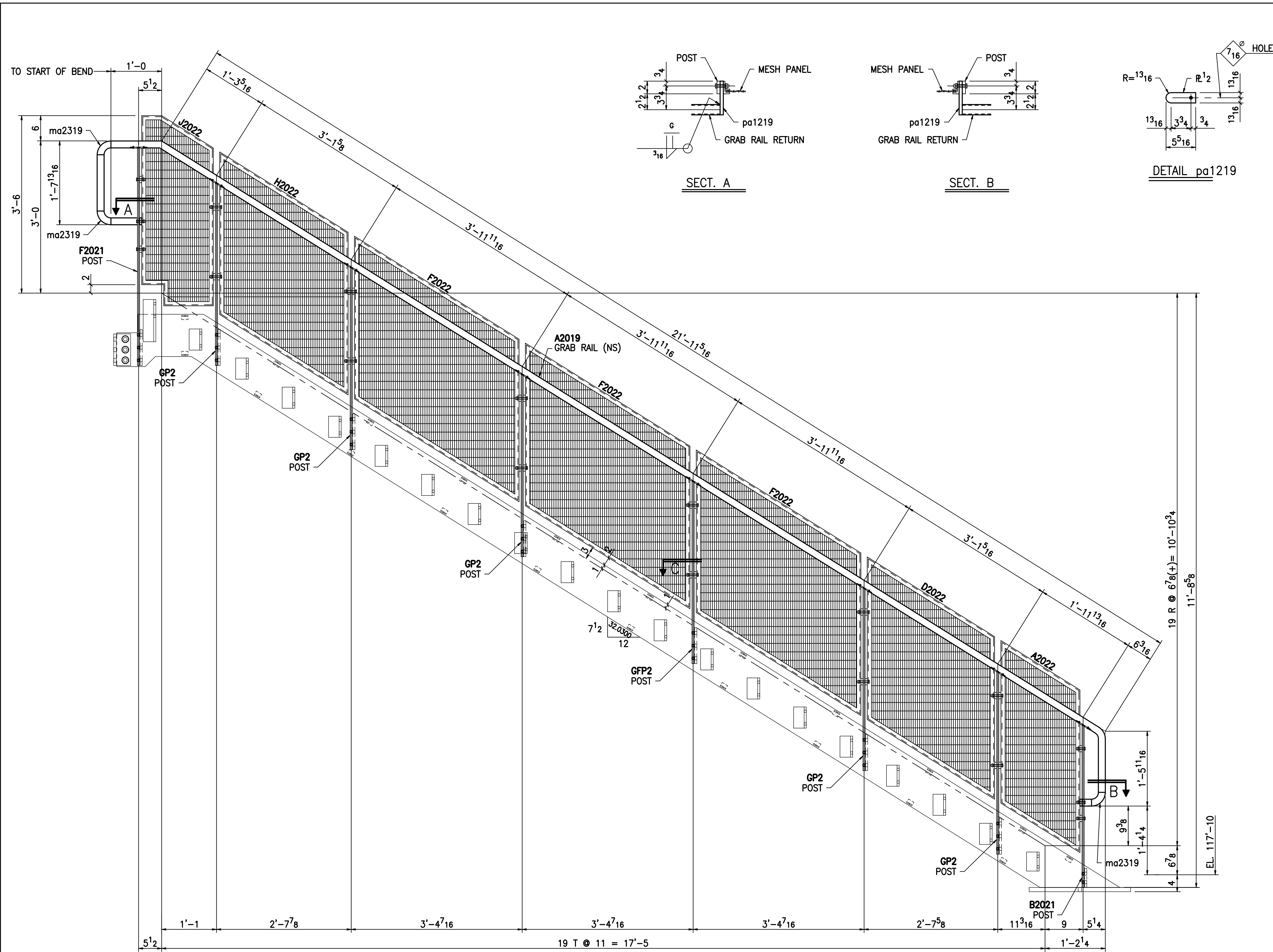
ONE - R ASSEMBLY - B2015



- FINISHES:**
1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

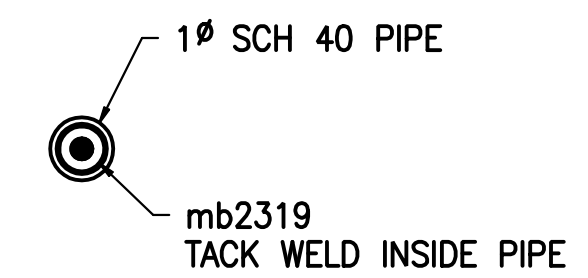
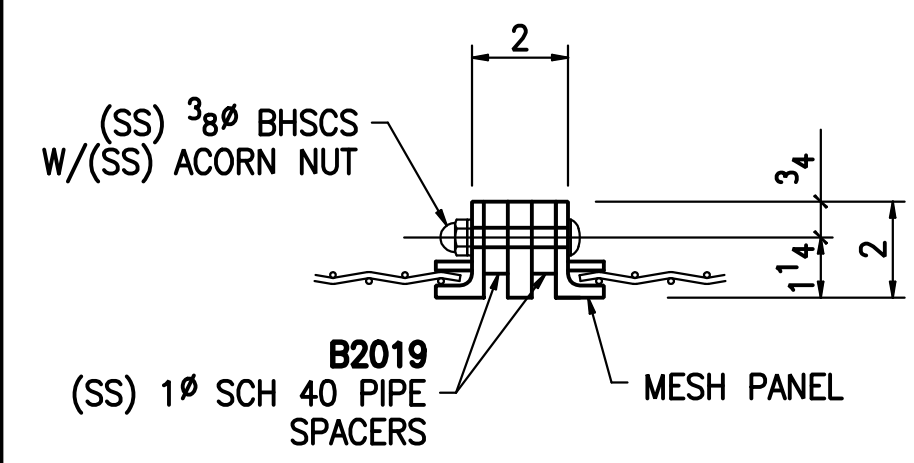
SHOP DRAWING

FABRICATOR _____ ERECTOR _____



STAIR P-20 RAIL
SOUTH SIDE

40 - SPACERS - B2019



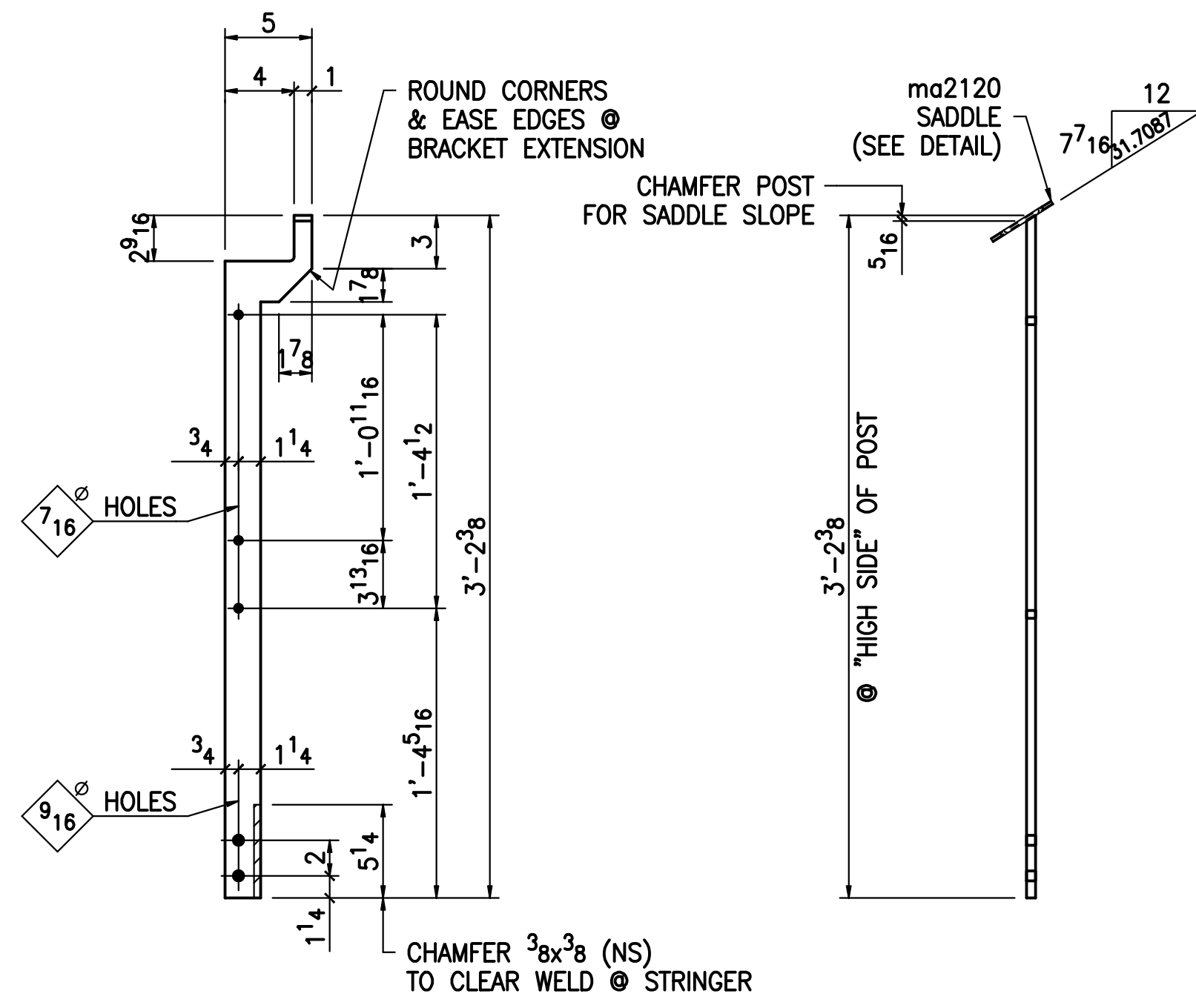
SECT. C

BILL OF MATERIAL						
SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE		A2019	1 1/4" SCH 40 PIPE	27	0	STAINLESS STEEL (LF) A53B
2		pa1219	R 1/2 x 1 5/8	0	5 5/16	STAINLESS STEEL A36
3		ma2319	WAGNER #4654 ELBOW			A53B
40		B2019	1" SCH 40 PIPE	0	0 1/2	STAINLESS STEEL A53B
40		mb2319	3/8" FLT WASH			

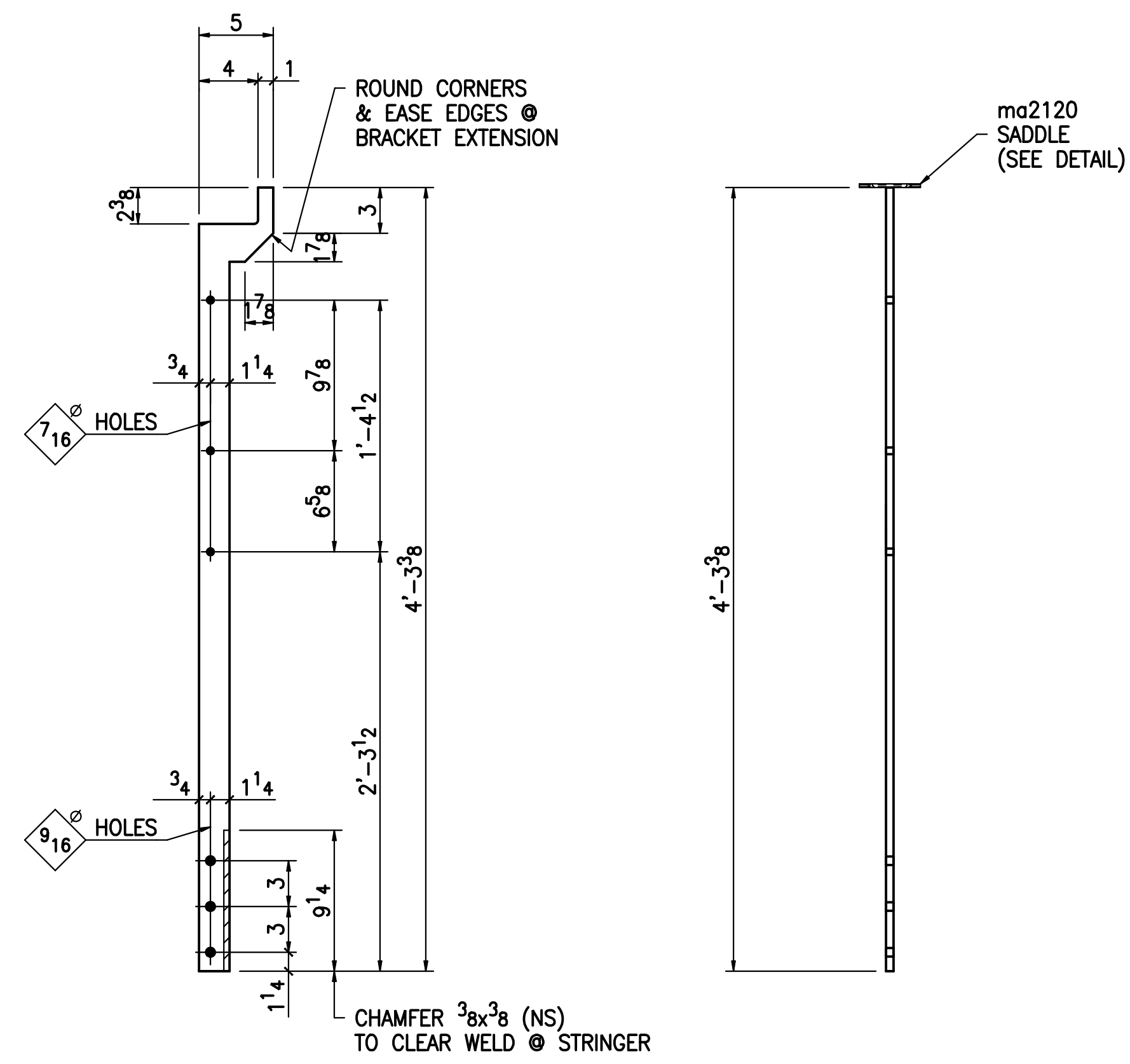
- FINISHES:**
1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

SHOP DRAWING

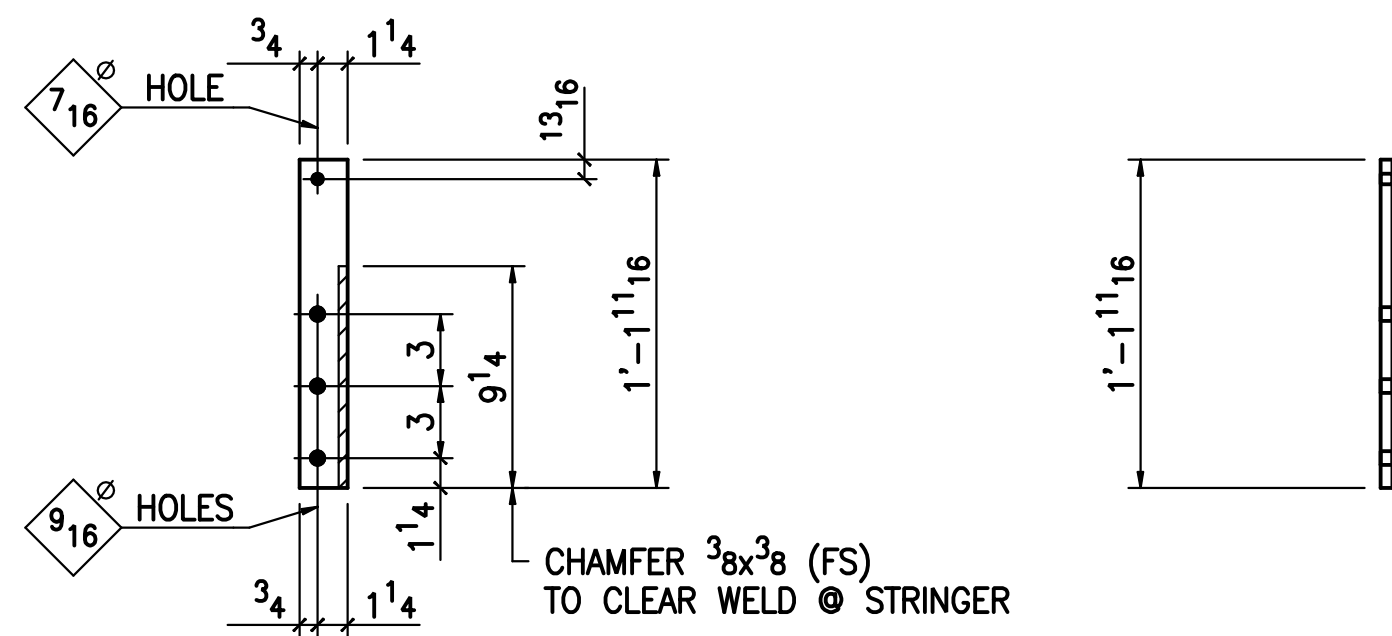
FABRICATOR	ERECTOR
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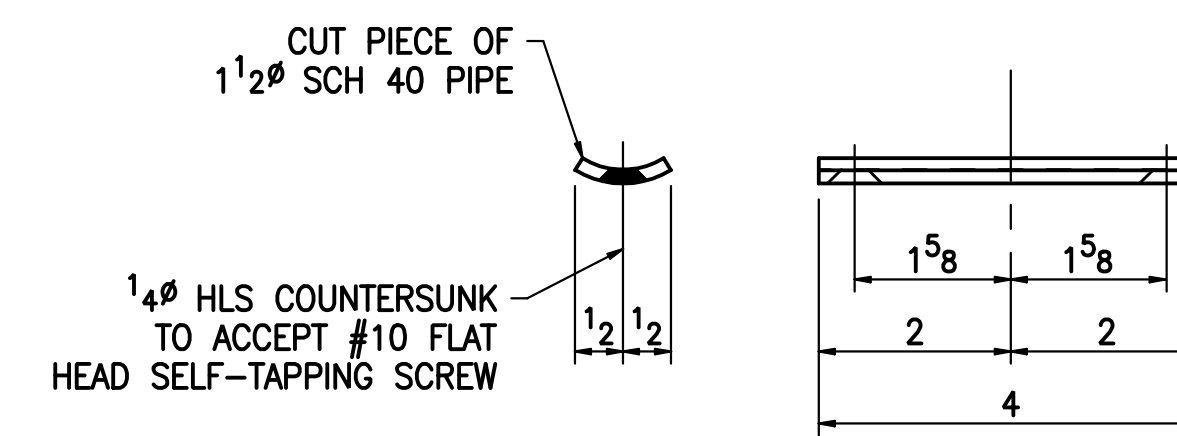
ONE - POST - A221
(AS DRAWN)
ONE - POST - B221
(OPP HAND)



ONE - POST - D221
(AS DRAWN)
ONE - POST - F221
(OPP HAND)



ONE - POST - G221



DETAIL_ma2120

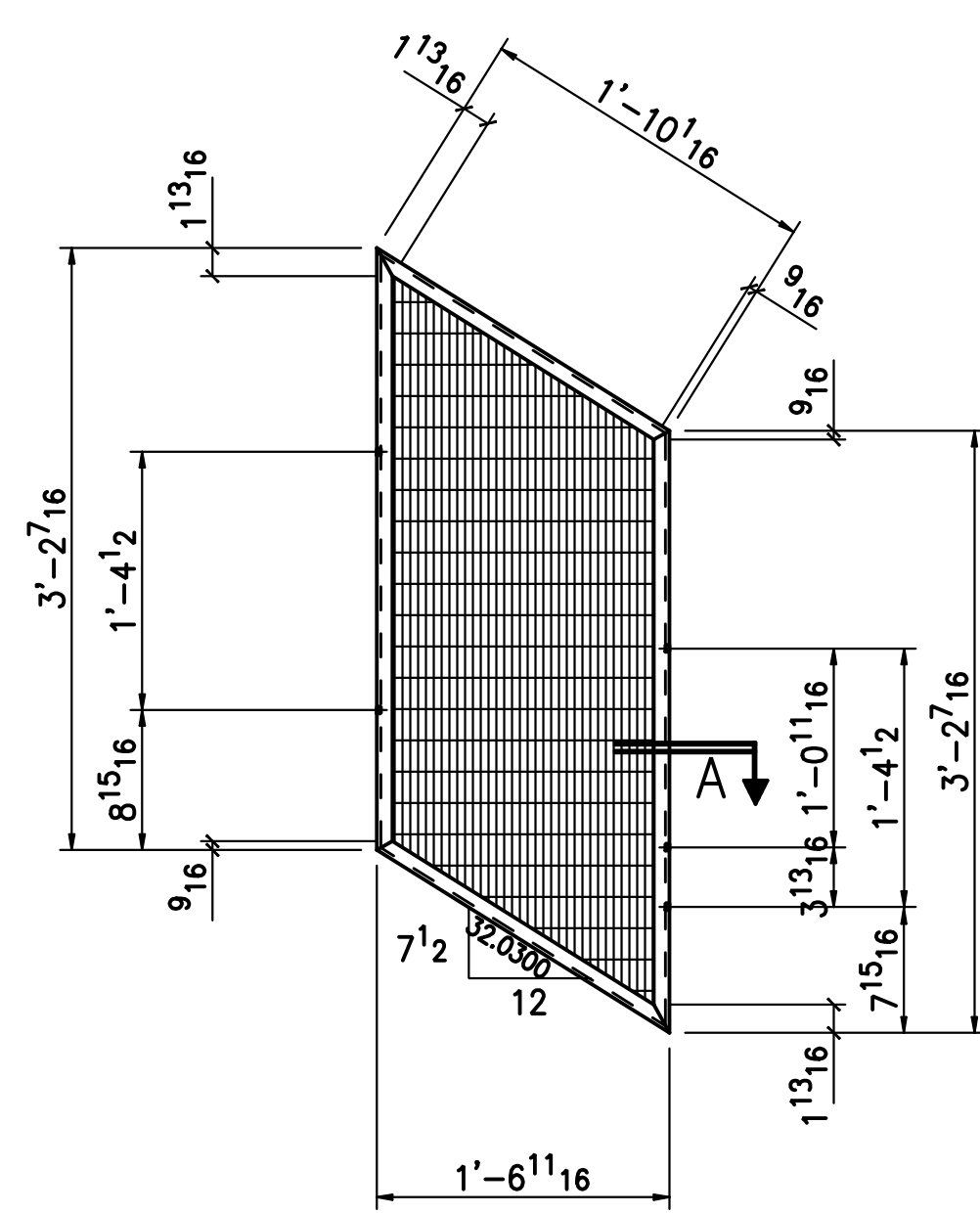
BILL OF MATERIAL

SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE	A221	R ¹ 2x5	3	2 3/8	STAINLESS STEEL	A36
ONE	B221	R ¹ 2x5	3	2 3/8	STAINLESS STEEL	A36
2	ma2120	PC-1 1/2" SCH 40 PIPE	0	4	STAINLESS STEEL	A53B
ONE	D221	R ¹ 2x5	4	3 3/8	STAINLESS STEEL	A36
ONE	F221	R ¹ 2x5	4	3 3/8	STAINLESS STEEL	A36
2	ma2120	PC-1 1/2" SCH 40 PIPE	0	4	STAINLESS STEEL	A53B
ONE	G221	R ¹ 2x2	1	1 1/16	STAINLESS STEEL	A36

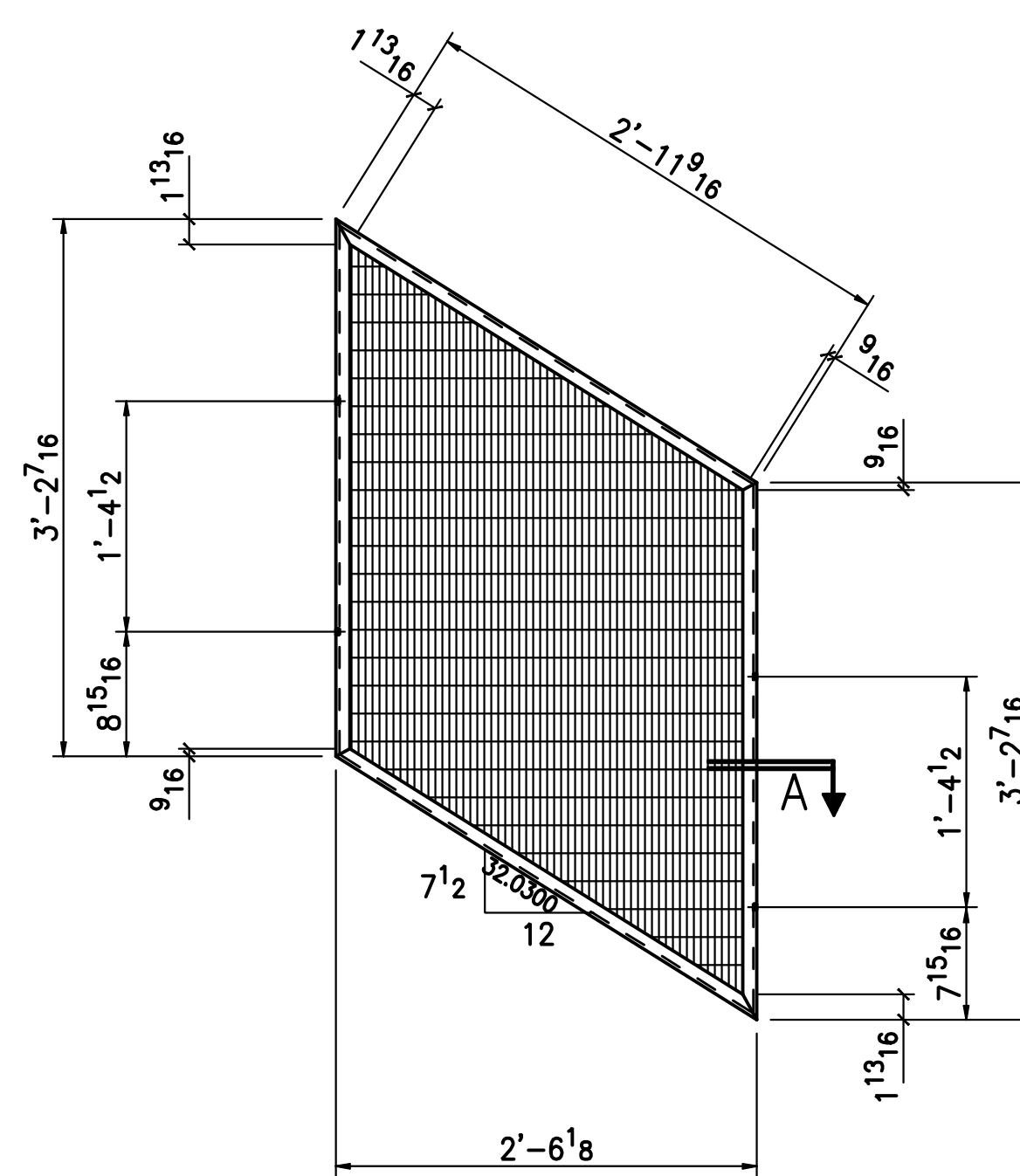
- FINISHES:
1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

SHOP DRAWING

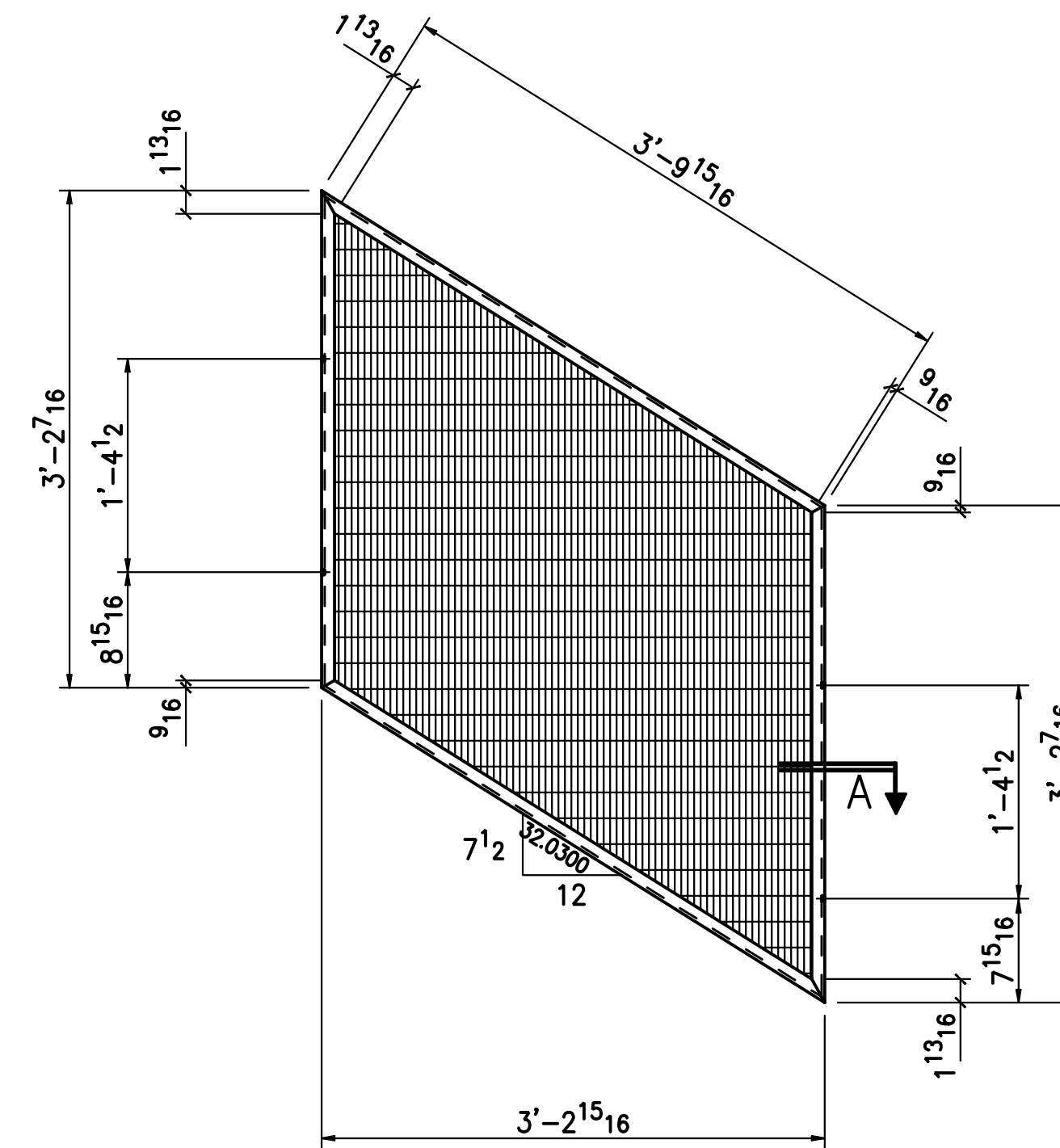
FABRICATOR _____ ERECTOR _____



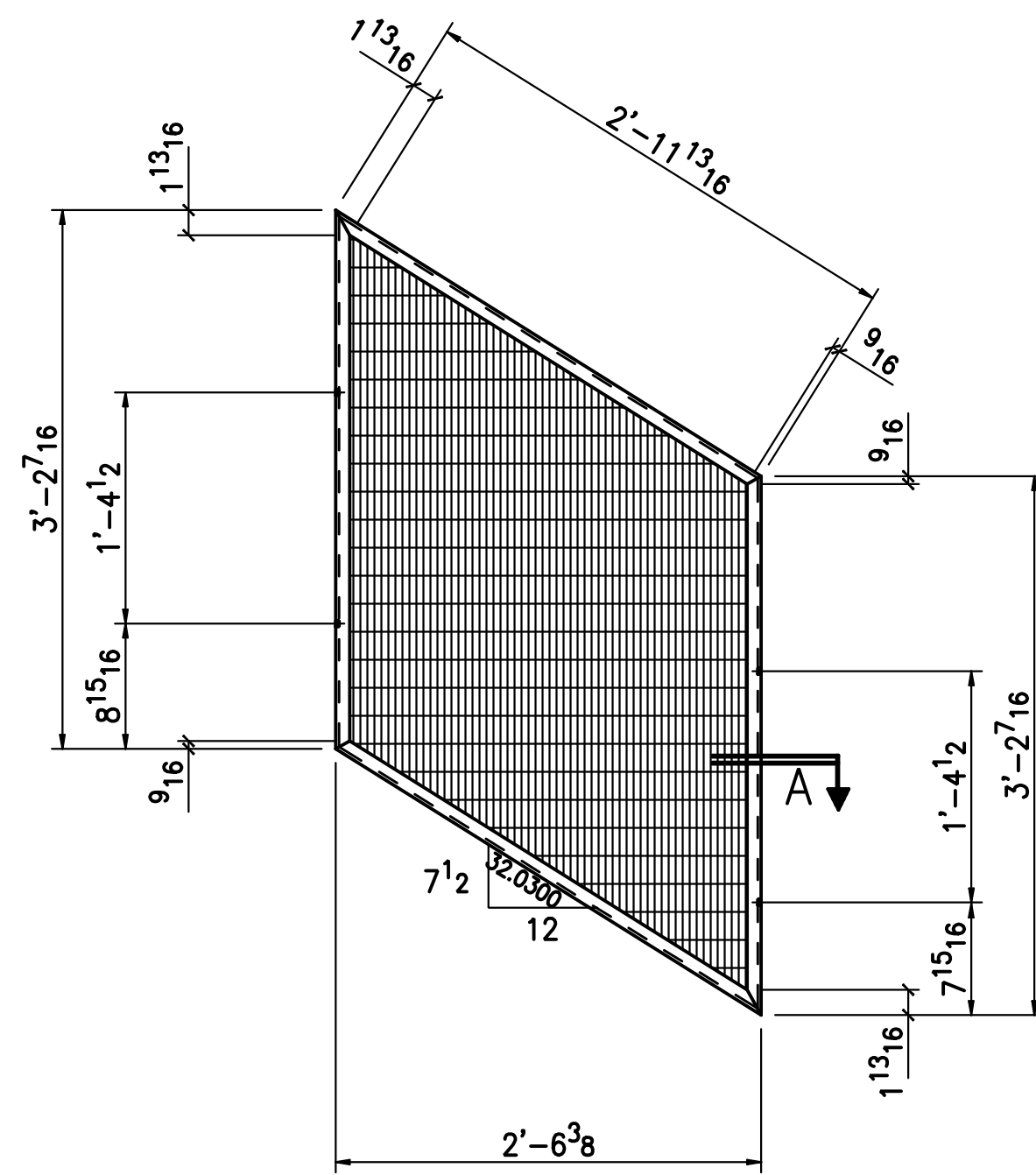
ONE - ASSEMBLY - A2022
(AS DRAWN)
ONE - ASSEMBLY - B2022
(OPP HAND)



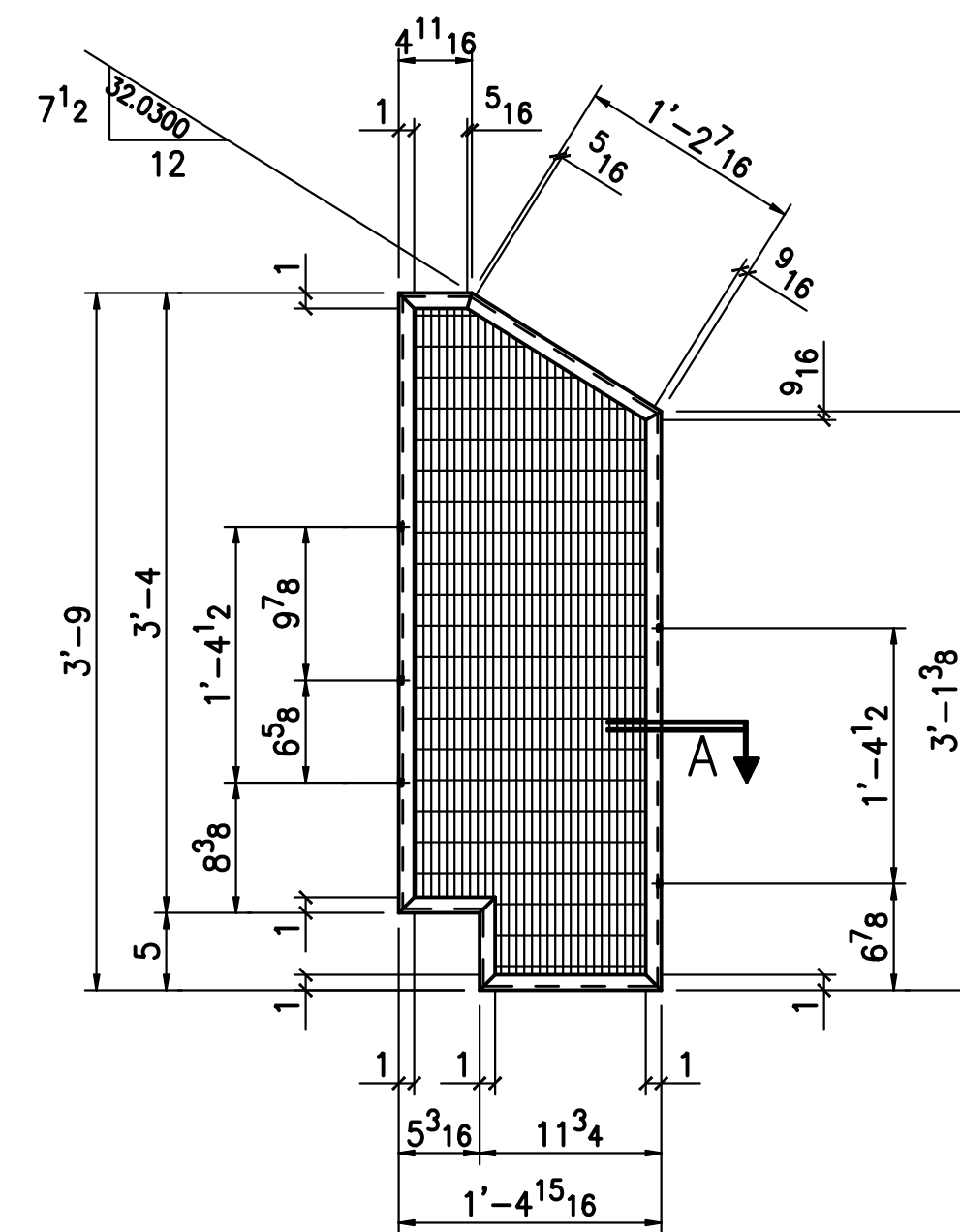
ONE - ASSEMBLY - D2022



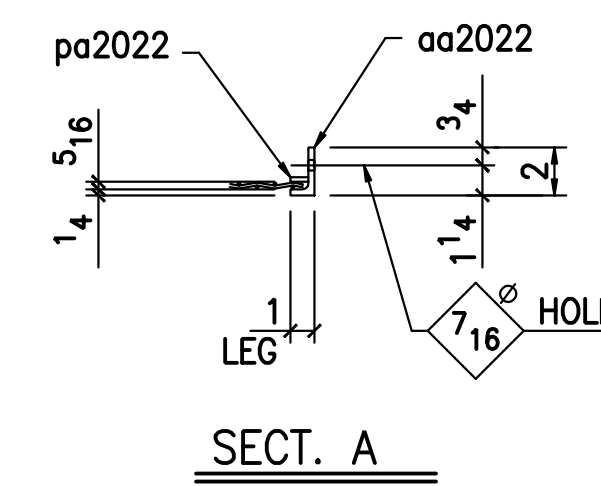
3 - ASSEMBLIES - F2022
(AS DRAWN)
ONE - ASSEMBLY - G2022
(OPP HAND)



ONE - ASSEMBLY - H2022



ONE - ASSEMBLY - J2022
(AS DRAWN)
ONE - ASSEMBLY - K2022
(OPP HAND)

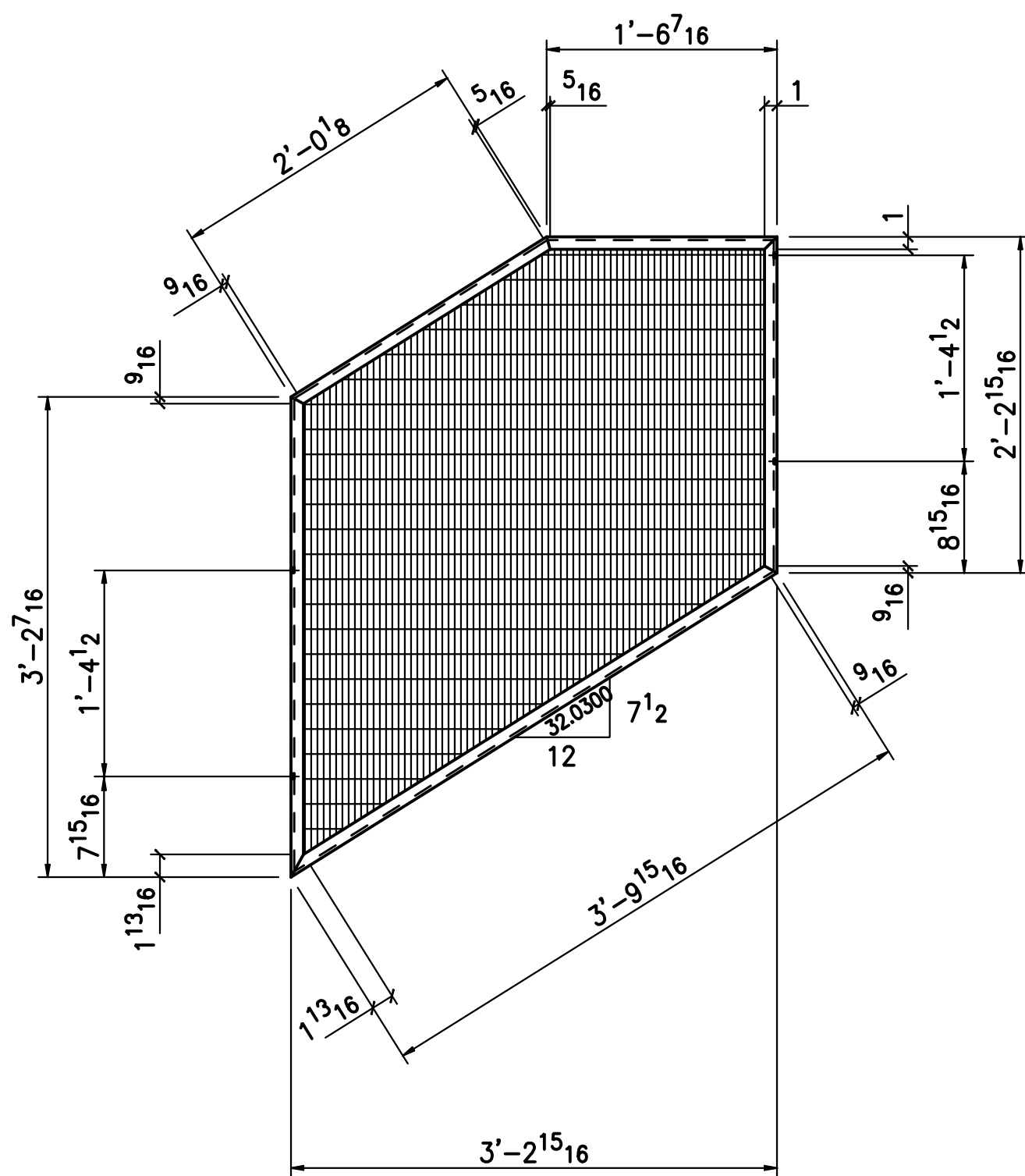


BILL OF MATERIAL						
SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE		A2022	ASSEMBLY			
ONE		B2022	ASSEMBLY			
2	aa2022	L2x1x1/4		11	0	STAINLESS STEEL (LF) A36
2	pa2022	FB ³ 16x ³ 4		11	0	STAINLESS STEEL (LF) A36
2	ma2022	WIRE MESH x 17 ¹⁵ 16		4	0 ¹³ 16	STAINLESS STEEL GKD ELLIPSE 2
ONE		D2022	ASSEMBLY			
ONE	aa2022	L2x1x1/4		13	0	STAINLESS STEEL (LF) A36
ONE	pa2022	FB ³ 16x ³ 4		13	0	STAINLESS STEEL (LF) A36
ONE	mb2022	WIRE MESH x 29 ³ 8		4	7 ¹⁵ 16	STAINLESS STEEL GKD ELLIPSE 2
3		F2022	ASSEMBLY			
ONE		G2022	ASSEMBLY			
4	aa2022	L2x1x1/4		15	0	STAINLESS STEEL (LF) A36
4	pa2022	FB ³ 16x ³ 4		15	0	STAINLESS STEEL (LF) A36
4	mc2022	WIRE MESH x 38 ³ 16		5	17 ¹ 16	STAINLESS STEEL GKD ELLIPSE 2
ONE		H2022	ASSEMBLY			
ONE	aa2022	L2x1x1/4		13	0	STAINLESS STEEL (LF) A36
ONE	pa2022	FB ³ 16x ³ 4		13	0	STAINLESS STEEL (LF) A36
ONE	md2022	WIRE MESH x 29 ⁵ 8		4	8 ¹ 8	STAINLESS STEEL GKD ELLIPSE 2
ONE		J2022	ASSEMBLY			
ONE		K2022	ASSEMBLY			
2	aa2022	L2x1x1/4		10	0	STAINLESS STEEL (LF) A36
2	pa2022	FB ³ 16x ³ 4		10	0	STAINLESS STEEL (LF) A36
2	ma2022	WIRE MESH x 16 ³ 16		3	8 ¹ 4	STAINLESS STEEL GKD ELLIPSE 2

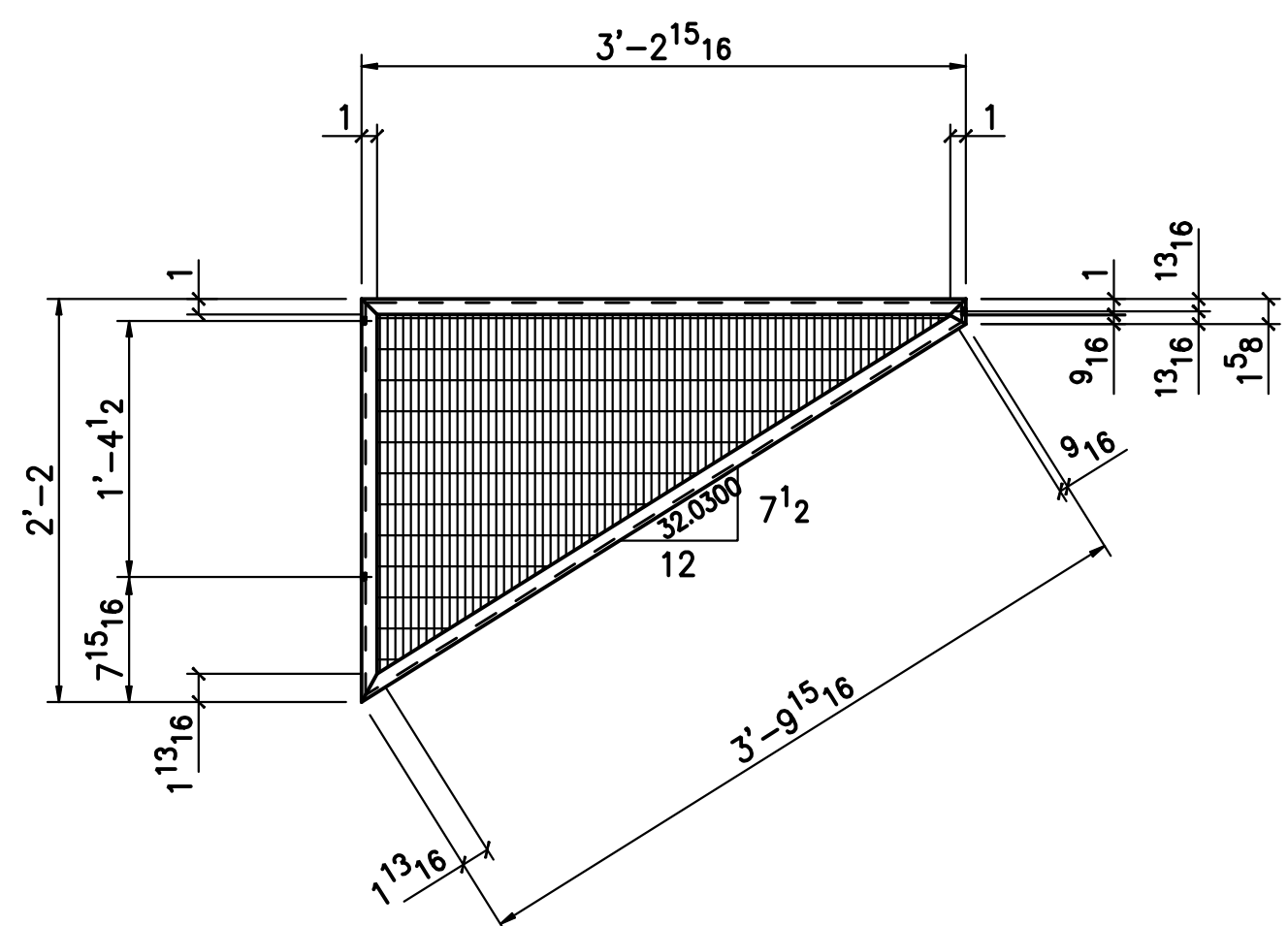
- FINISHES:**
 1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

SHOP DRAWING

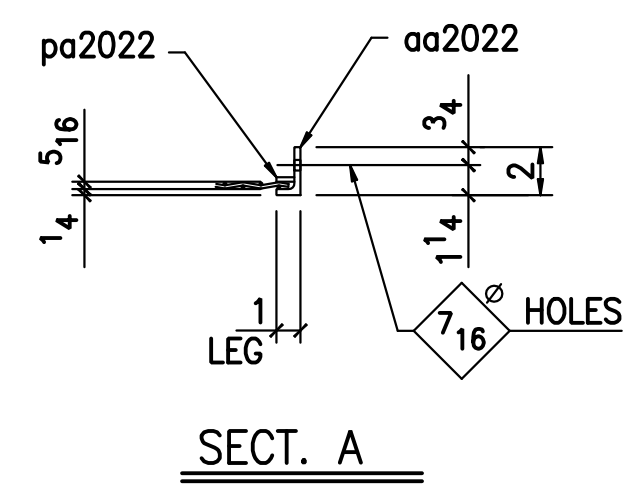
FABRICATOR	ERECTOR
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ONE - ASSEMBLY - A2023



ONE - ASSEMBLY - B2023

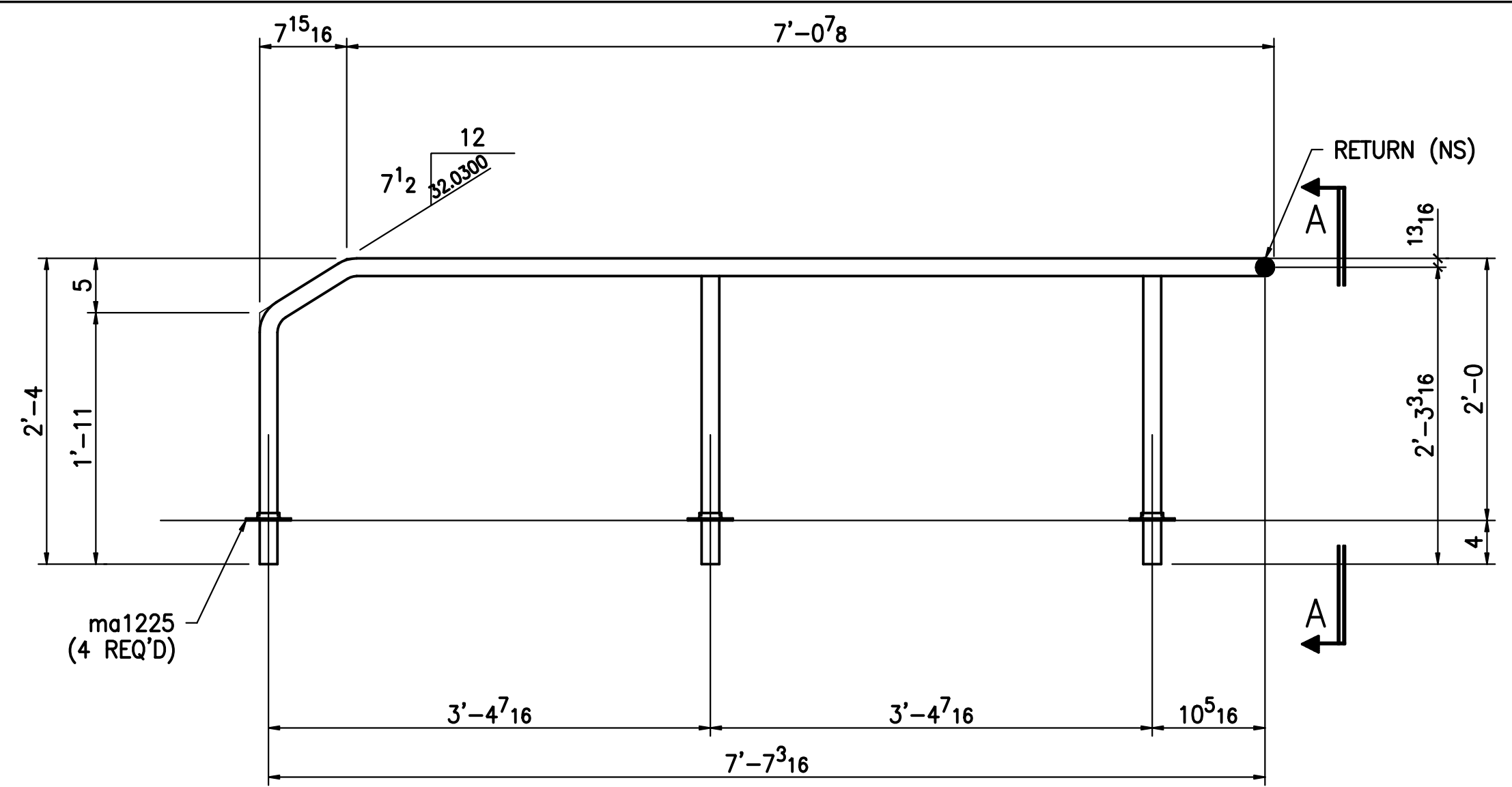


BILL OF MATERIAL						
SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE		A2023	ASSEMBLY			
ONE	aa2022	L2x1x1/4		13	0	STAINLESS STEEL (LF) A36
ONE	pa2022	FB3/16x3/4		13	0	STAINLESS STEEL (LF) A36
ONE	ma2023	WIRE MESH x 38 ³ /16		4	2 ³ /16	STAINLESS STEEL GKD ELLIPSE 2
ONE		B2023	ASSEMBLY			
ONE	aa2022	L2x1x1/4		10	0	STAINLESS STEEL (LF) A36
ONE	pa2022	FB3/16x3/4		10	0	STAINLESS STEEL (LF) A36
ONE	mb2023	WIRE MESH x 38 ³ /16		2	0 ¹⁵ /16	STAINLESS STEEL GKD ELLIPSE 2

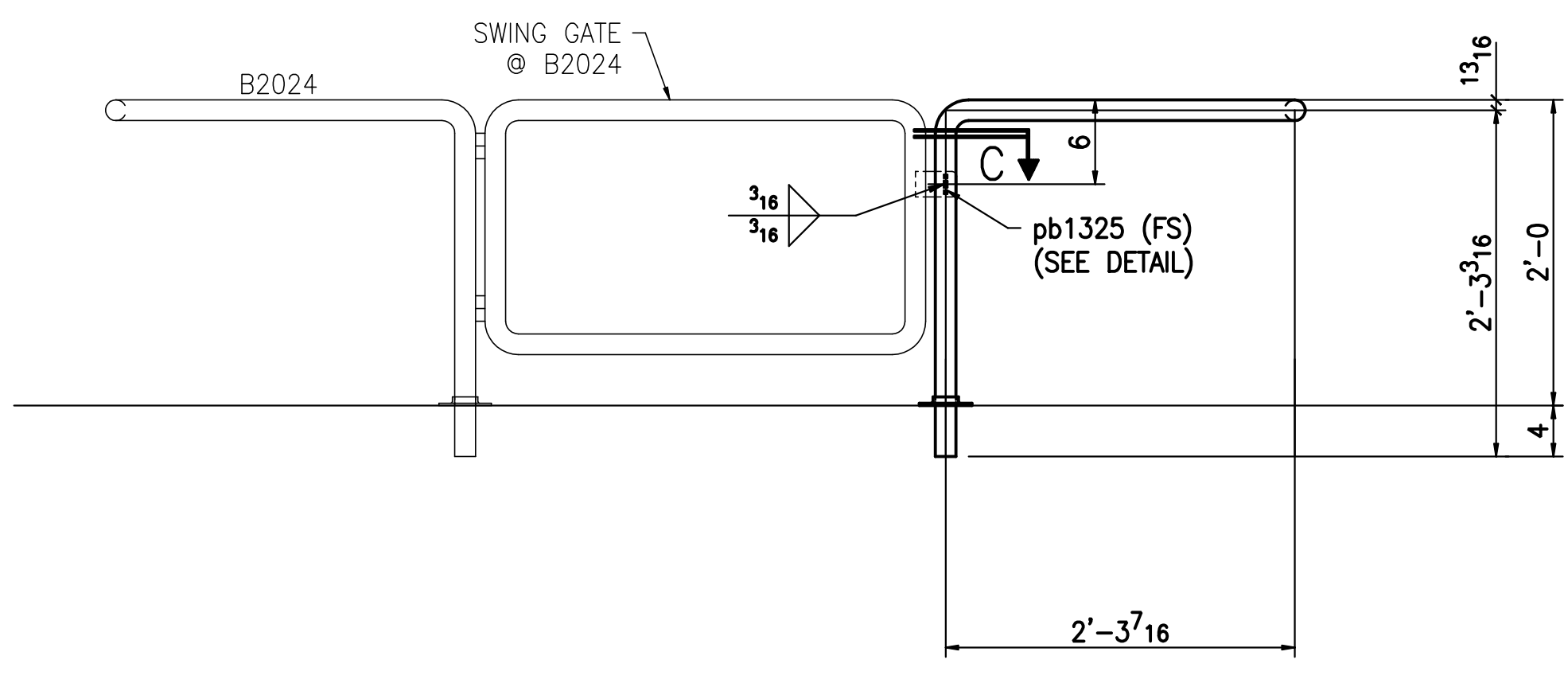
- FINISHES:**
1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

SHOP DRAWING

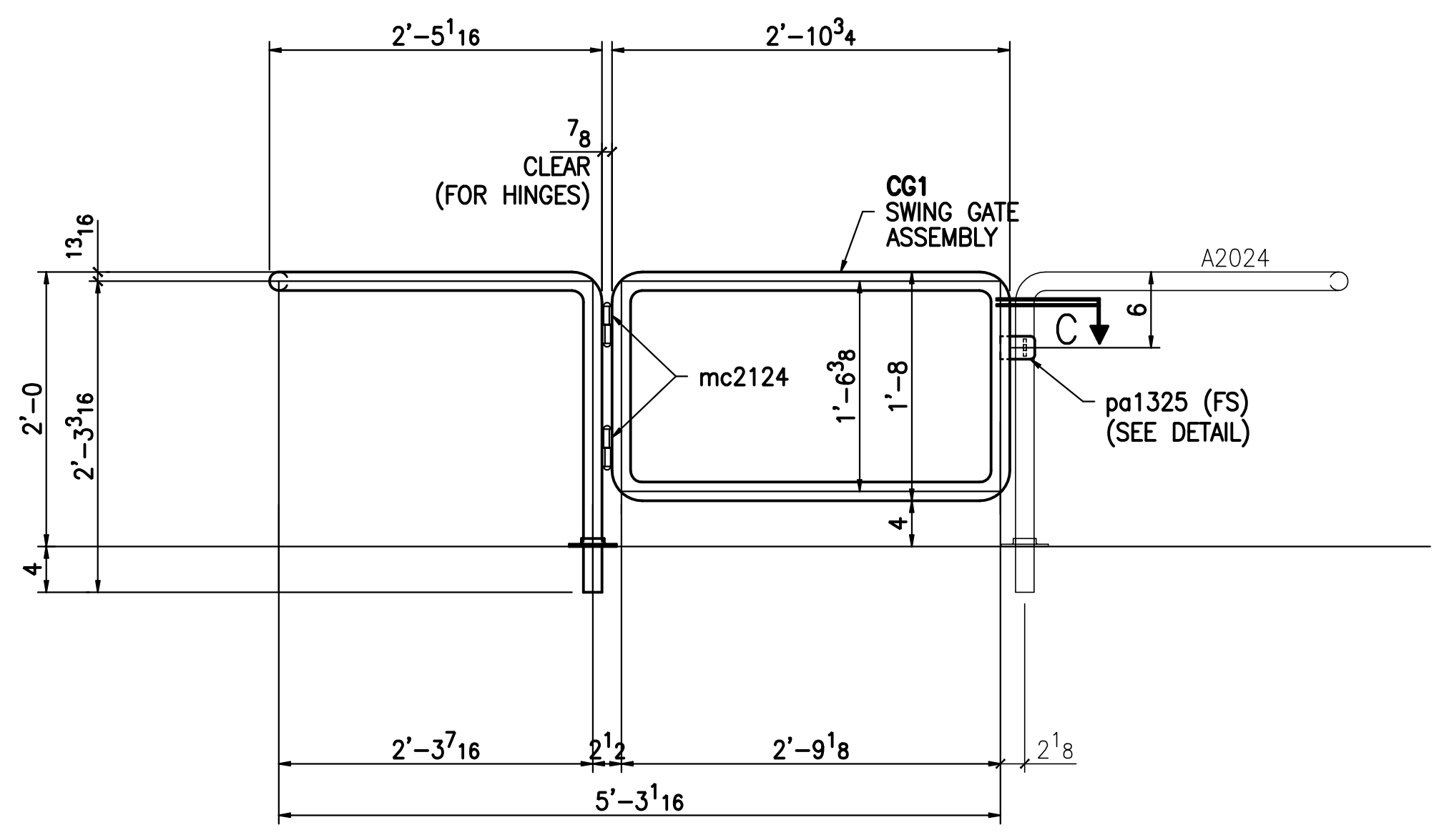
FABRICATOR	ERECTOR
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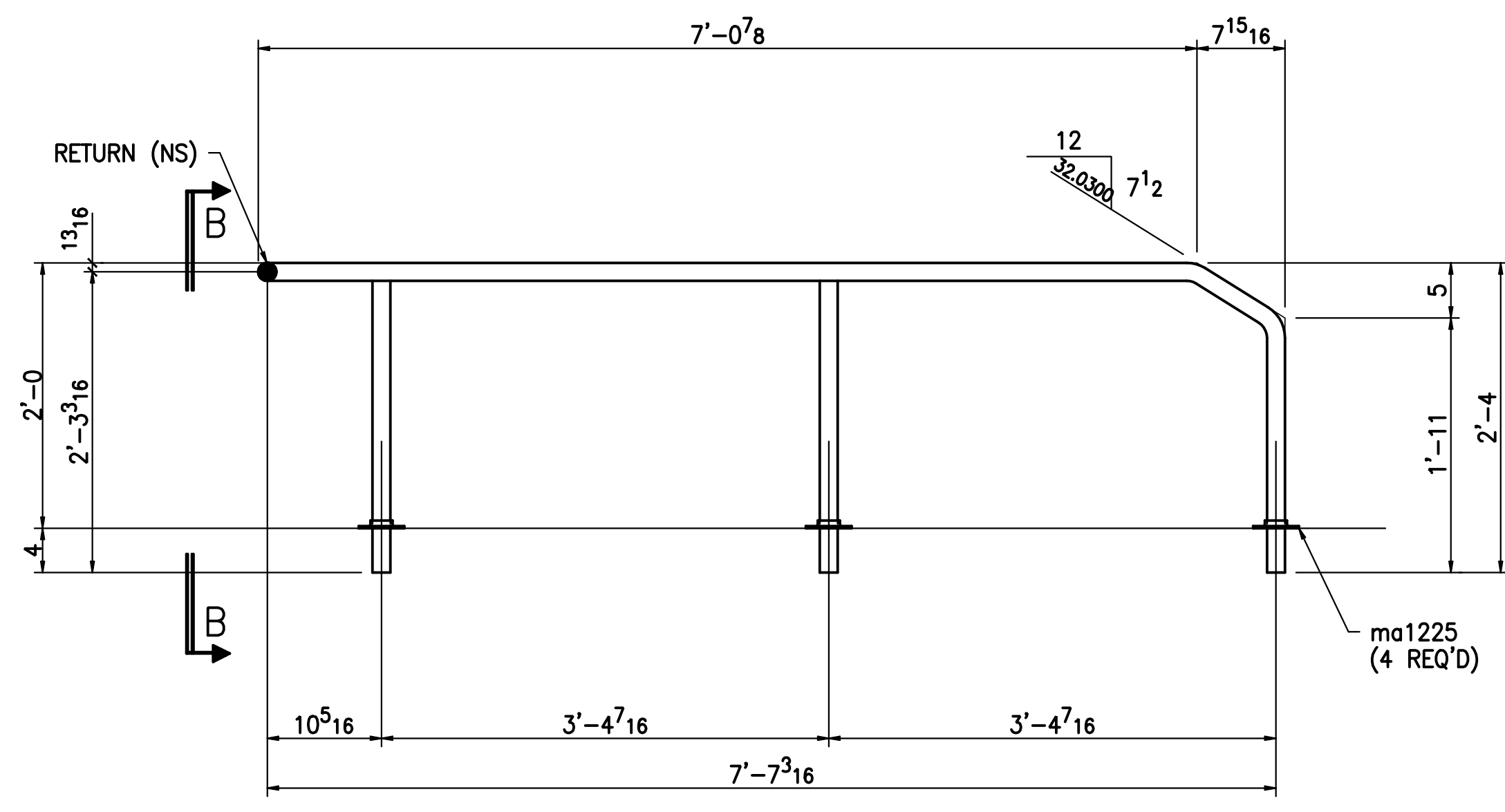
ONE - RAIL - A2024



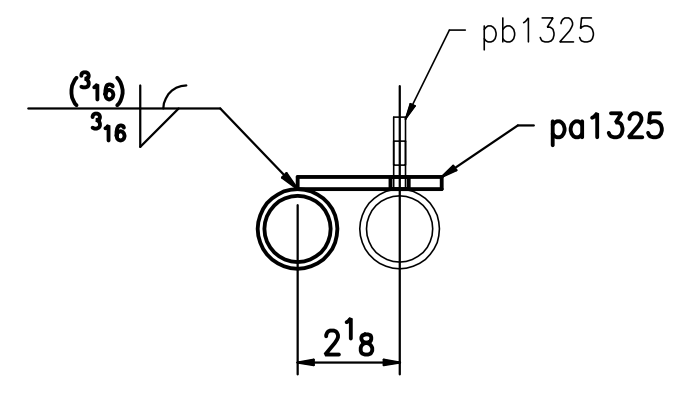
SECT. A-A



SECT. B-B



ONE - RAIL - B2024



SECT. C

BILL OF MATERIAL						
SHIP QTY	NO PCS	MARK	DESCRIPTION	LENGTH		REMARKS
				FT	IN	
ONE	A2024		1 1/4" SCH 40 PIPE	29	0	STAINLESS STEEL (LF) A53B
4	ma1225		WAGNER #1610-S			STAINLESS FLANGE
ONE	ma2319		WAGNER #4654 ELBOW			STAINLESS STEEL A53B
ONE	B2024		1 1/4" SCH 40 PIPE	20	0	STAINLESS STEEL (LF) A53B
4	ma1225		WAGNER #1610-S			STAINLESS FLANGE
ONE	ma2319		WAGNER #4654 ELBOW			STAINLESS STEEL A53B
ONE	CG1		SWING GATE ASSEMBLY			

- FINISHES:**
1. STEEL COMPONENTS ARE TO RECEIVE SSPC-SP2 CLEANING AND 1-S/C (SHOP COAT) PRIMER
 2. PROVIDE 1-COAT OF BITUMINOUS PAINT WHERE DISSIMILAR METALS ARE TO BE IN CONTACT
 3. "SS" DENOTES STAINLESS STEEL TYPE 304 W/ #4 BRUSHED FINISH

SHOP DRAWING

FABRICATOR	ERECTOR
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