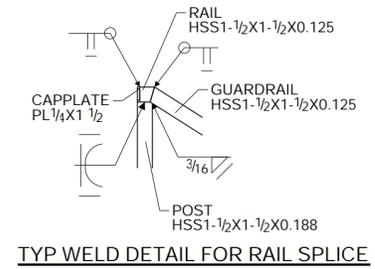
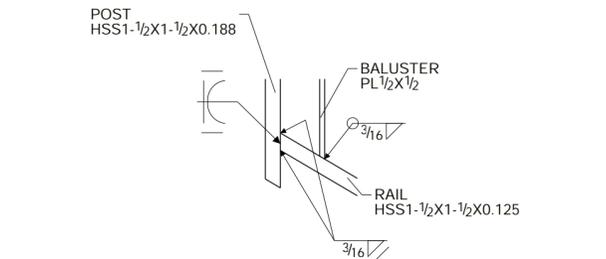
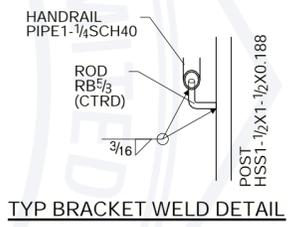
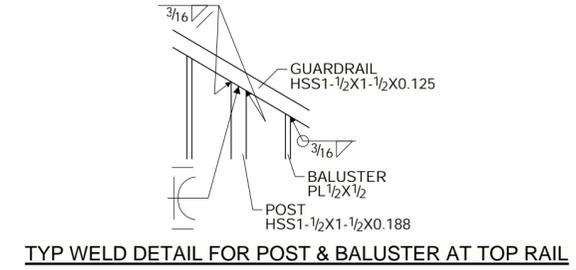
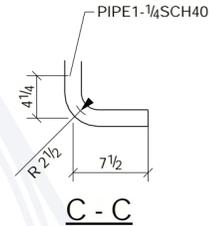
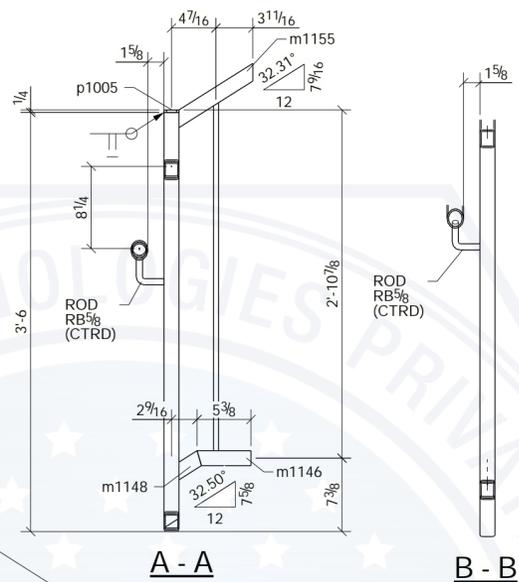


BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
01FR105	1	GUARDRAIL			BEV-2
01FR105	1	HSS1-1/2X1-1/2X0.125	12'-1 7/8"	25	A500-GR.C
m1096	3	HSS1-1/2X1-1/2X0.188	3'-4 1/16"	21	A500-GR.C
m1097	3	HSS1-1/2X1-1/2X0.125	3'-11 9/16"	25	A500-GR.C
m1098	24	PL1/2X1/2	2'-9 13/16"	57	A36
m1099	1	HSS1-1/2X1-1/2X0.188	3'-5 5/8"	7	A500-GR.C
m1131	1	PIPE1-1/4SCH40	13'-5 15/16"	29	A53
m1146	1	HSS1-1/2X1-1/2X0.125	0'-5 3/8"	1	A500-GR.C
m1147	1	PL1/2X1/2	2'-10 7/8"	2	A36
m1148	1	HSS1-1/2X1-1/2X0.125	0'-3 1/16"	1	A500-GR.C
m1155	1	HSS1-1/2X1-1/2X0.125	0'-9 11/16"	2	A500-GR.C
p1005	1	PL1/4X1 1/2	0'-1 1/2"	0	A36
p1009	1	PL1/4X1 1/2	0'-1 3/4"	0	A36
r1002	3	RB5/8	0'-4 7/16"	1	A36
r1007	1	RB5/8	0'-4 1/4"	0	A36
TOTAL WEIGHT THIS DRAWING				171	



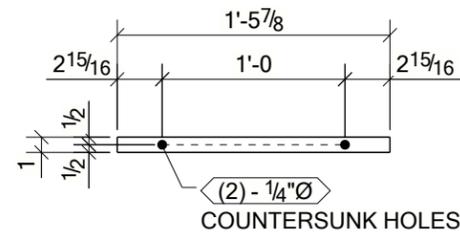
(11) RISERS @ 7"=6.5

ONE - GUARDRAIL - 01FR105

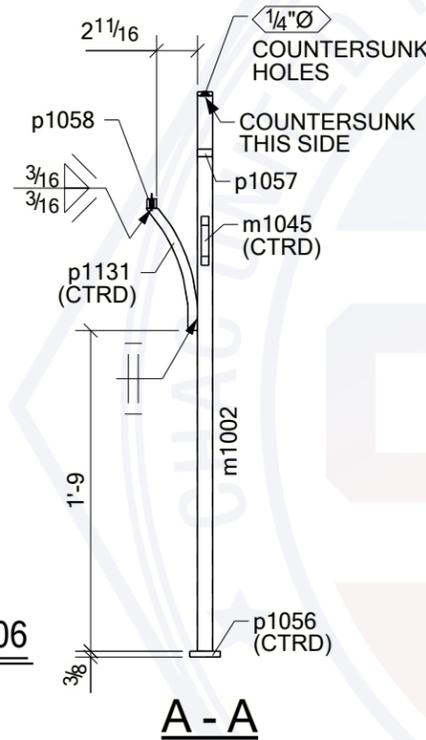
DWG. ISSUE		REVISIONS		
DATE	PURPOSE	NO.	DATE	DESCRIPTION

BOLTS A325 U.N.O	HOLES 13/16"Ø U.N.O	STEEL WF (ASTM) A992	HSS (ASTM) A500-GR.C	PARTS (ASTM) A36 U.N.O
FINISH: SHOP STD. PRIMER		SURFACE PREP: SSPC-SP2		DRY FILM THICKNESS 1.5-2.0 MILS
CUSTOMER:			RD = REF. PT FOR RD'S	WELDING: E70XX-LH
PROJECT:			CHAC UNITED SAMPLE DRAWING	
ADDRESS:				
DRAWN BY:		CHECKED BY:		
JOB NO:		SHEET NO:		

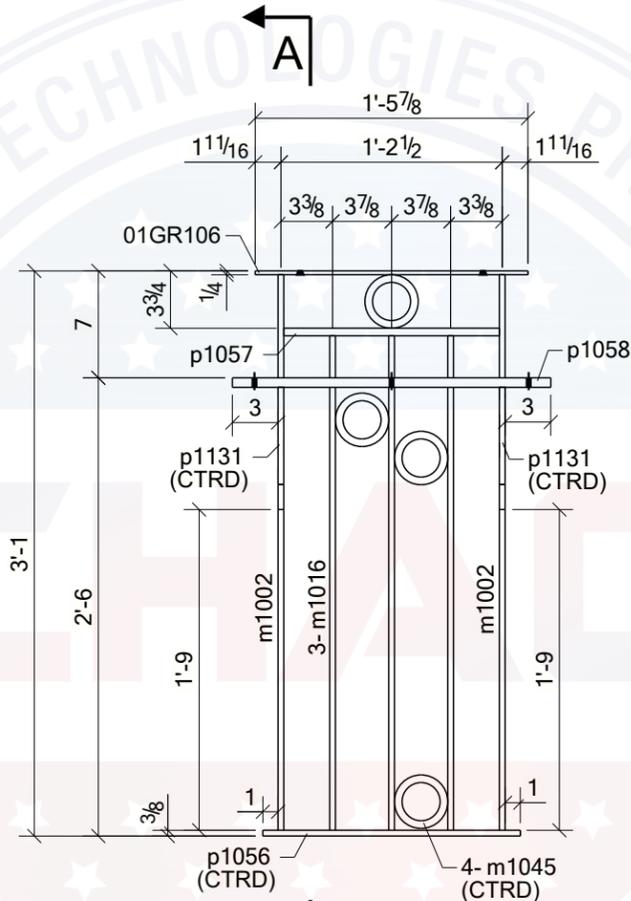
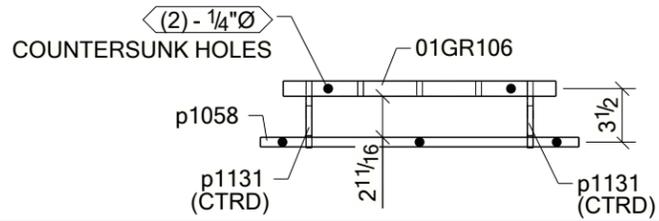
PART DETAIL OF 01GR106



ONE - GUARDRAIL - 01GR106



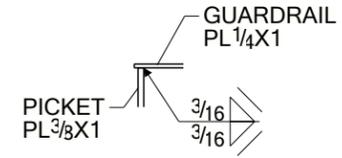
A - A



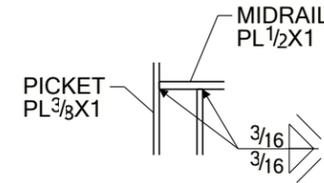
A
TYP

SMOOTH ALL SHARP EDGES

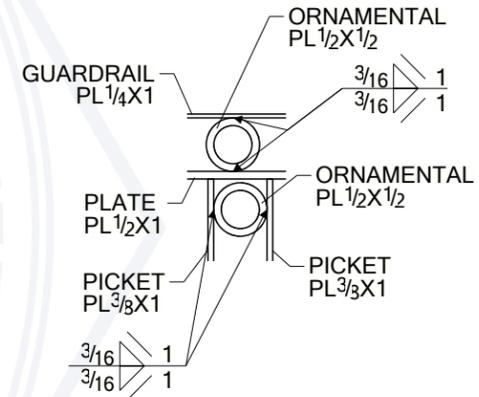
TYPICAL WELD DETAIL OF GUARDRAIL & BOTTOM RAIL TO PICKET



TYPICAL WELD DETAIL OF MIDRAIL TO PICKET



TYPICAL WELD DETAIL OF ORNAMENTAL CIRCLE WITH PLATES & PICKETS



BILL OF MATERIAL

Assy	Part	TOTAL	DESCRIPTION	LENGTH	WEIGHT	MAT'L	REMARKS
Mark	Mark	QTY.		FT. - INCH	IN lbs		
01GR106		ONE	GUARDRAIL				
	01GR106	1	PL1/4X1	1'-5 7/8"	1	A36	
	m1002	2	PL3/8X1	3'-0 3/8"	8	A36	
	m1016	3	PL3/8X1	2'-8 3/8"	10	A36	
	m1045	4	PL1/2X1/2	0'-9 7/16"	3	A36	
	p1056	1	PL3/8X2	1'-4 7/8"	4	A36	
	p1057	1	PL1/2X1	1'-2 1/8"	2	A36	
	p1058	1	PL5/8X5/8	1'-8 7/8"	2	A36	
	p1131	2	PL3/8X5/8	0'-8 7/8"	1	A572-GR.50	
TOTAL WEIGHT THIS DRAWING					31		

STD NOTE:
INSIDE CORNERS OF ALL COPES AND CUTS TO BE 1/2" RAD. MIN. U.N.

DWG. ISSUE		REVISIONS		
DATE	PURPOSE	NO.	DATE	DESCRIPTION
		△		
		△		
		△		
		△		
		△		
		△		
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		△		
		△		
		△		

BOLTS A325 U.N.O	HOLES 13/16"Ø U.N.O	STEEL WF (ASTM) A992	HSS (ASTM) A500-GR.B	PARTS (ASTM) A36 U.N.O
FINISH: SHOP STD. PRIMER		SURFACE PREP: SSPC-SP2		DRY FILM THICKNESS 1.5-2.0 MILS
CUSTOMER:		RD = REF. PT FOR RD'S		WELDING: ER70S
PROJECT:		CHAC UNITED SAMPLE DRAWING		
ADDRESS:		DRAWN BY: _____ CHECKED BY: _____		
JOB NO:		SHEET NO: _____		

