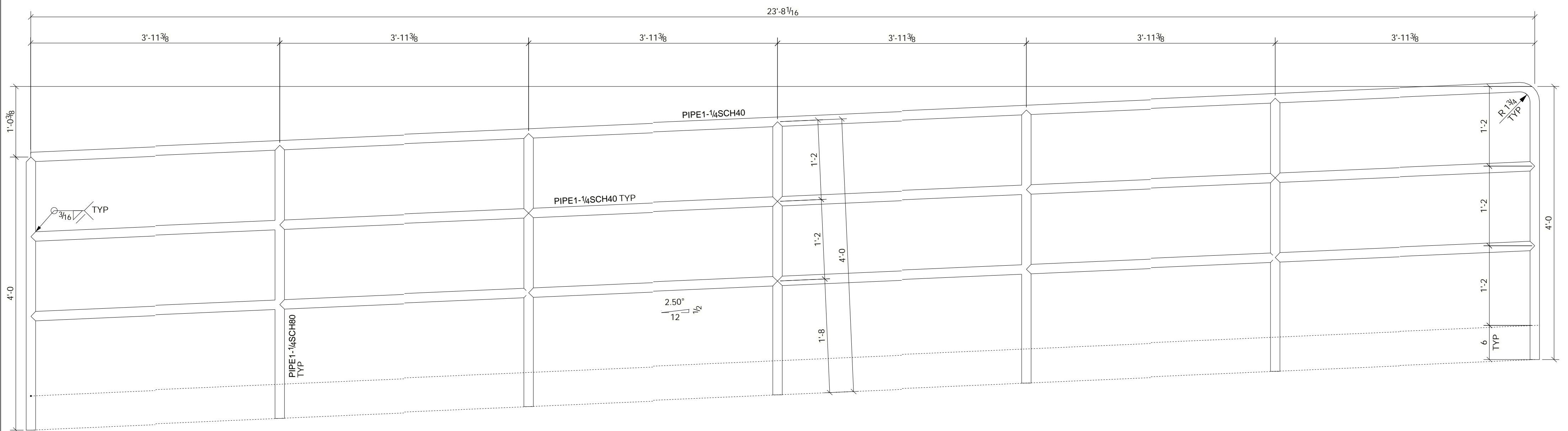


BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	GRADE	REMARKS
GR26	1	GUARDRAIL			
GR26	1	PIPE1-1/4SCH40	27'-7 1/8"	A53	
		PIPE1-1/4SCH40	74'-11 7/8"	A53	Total Length
		PIPE1-1/4SCH80	24'-0"	A53	Total Length
TOTAL WEIGHT (lbf)					229.4



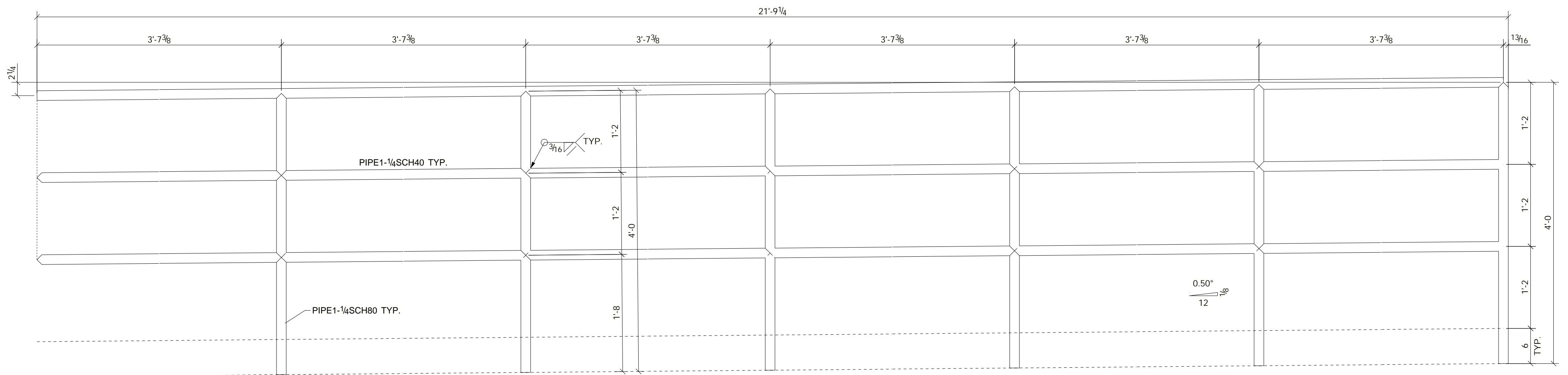
ONE - GUARDRAIL - GR26

SHOP NOTE  
1.) PROVIDE VENT HOLES AS REQUIRED.

DWG. ISSUE		REVISIONS	
DATE	PURPOSE	NO.	DESCRIPTION
10/08/2021	FOR APVL	A	APVL
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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: GALVANIZED		SURFACE PREP: SSPC-SP3		DRY FILM THICKNESS
CUSTOMER:		RD = REF. PT FOR RD'S		WELDING: E70XX-LH
PROJECT:		CHAC UNITED SAMPLE DRAWING		
DRAWN BY:		CHECKED BY:		
JOB NO:		SHEET NO:		

BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	GRADE	REMARKS
GR28	1	GUARDRAIL			
GR28	1	PIPE1-1/4SCH40	21'-8 7/16"	A53	
		PIPE1-1/4SCH40	65'-1 1/4"	A53	Total Length
		PIPE1-1/4SCH80	24'-0"	A53	Total Length
TOTAL WEIGHT (lbf)					208.2



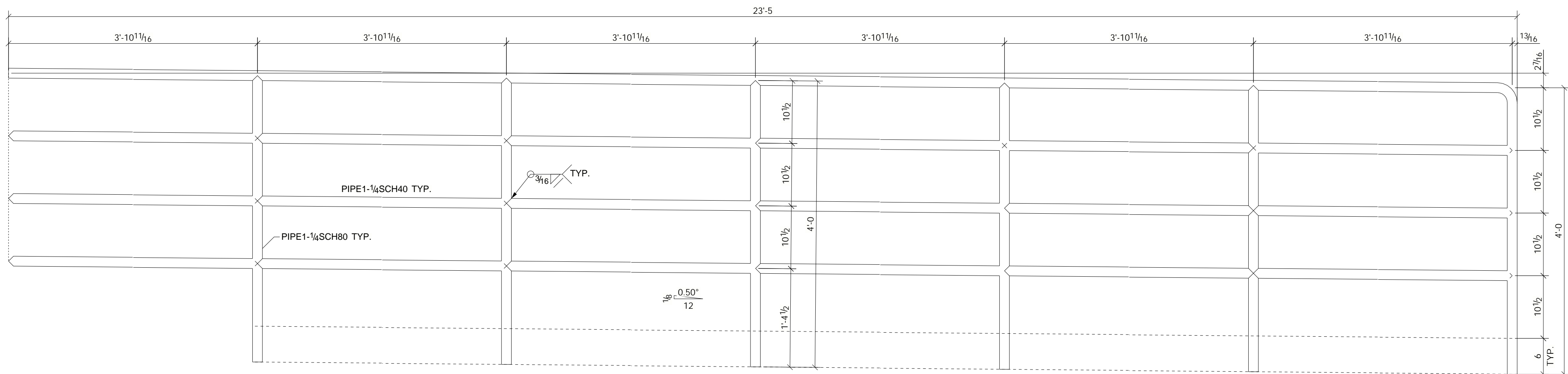
ONE - GUARDRAIL - GR28

SHOP NOTE  
1.) PROVIDE VENT HOLES AS REQUIRED.

DWG. ISSUE		REVISIONS		
DATE	PURPOSE	NO.	DATE	DESCRIPTION
10/08/2021	FOR APVL	A	10/08/2021	APVL
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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: GALVANIZED		SURFACE PREP: SSPC-SP3		
CUSTOMER:		RD = REF. PT FOR RD'S		WELDING: E70XX-LH
PROJECT:		= PAINT STRIPE		
ADDRESS: CHAC UNITED SAMPLE DRAWING				
DRAWN BY:		CHECKED BY:		
JOB NO:		SHEET NO:		

BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	GRADE	REMARKS
GR29	1	GUARDRAIL			
GR29	1	PIPE1-1/4SCH40	27'-3 3/16"	A53	
		PIPE1-1/4SCH40	97'-3 13/16"	A53	Total Length
		PIPE1-1/4SCH80	20'-0"	A53	Total Length
TOTAL WEIGHT (lbf)					265.8



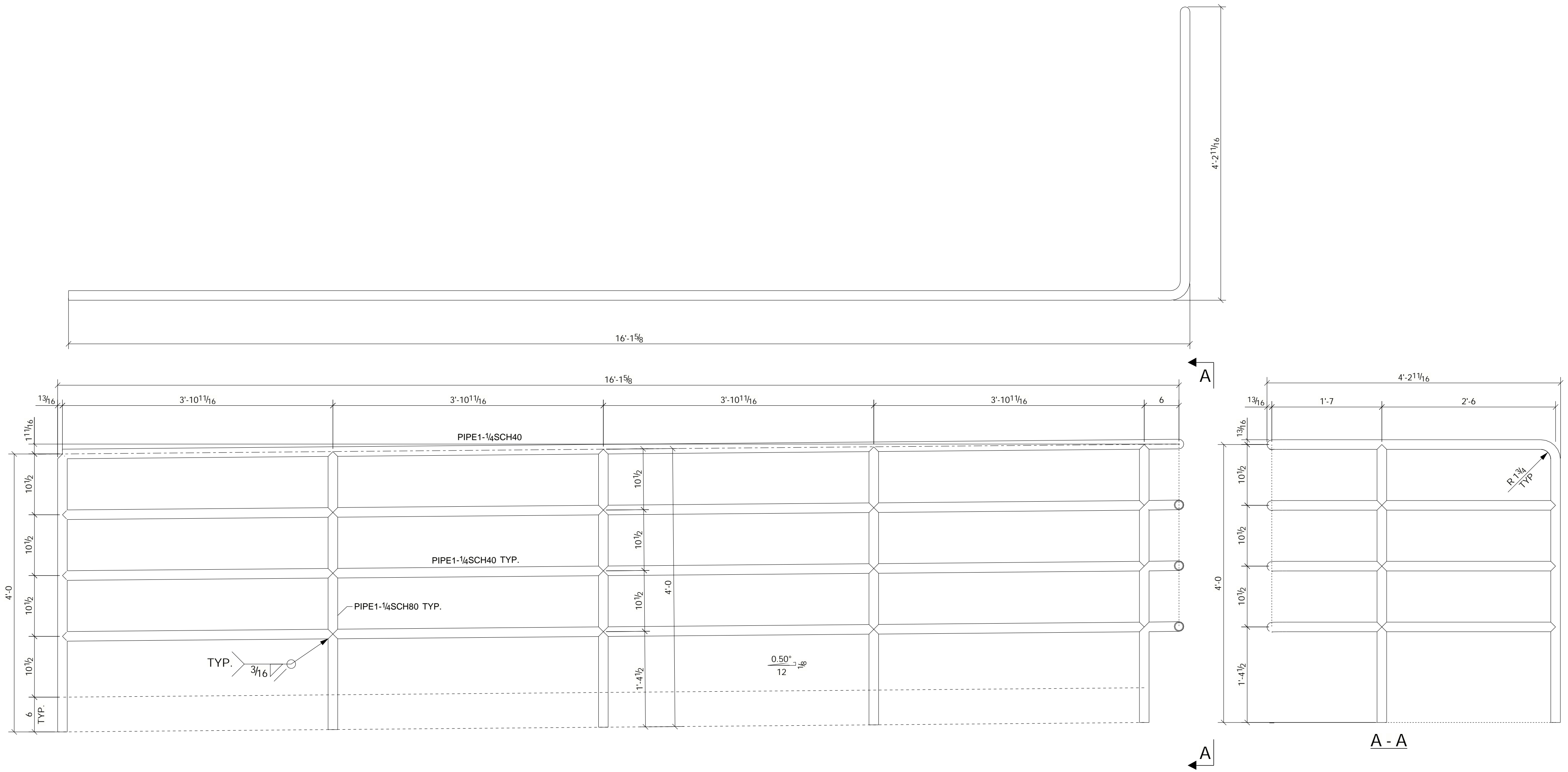
ONE - GUARDRAIL - GR29

**SHOP NOTE**  
 1.) PROVIDE VENT HOLES AS REQUIRED.

DWG. ISSUE		REVISIONS	
DATE	PURPOSE	NO.	DESCRIPTION
11/05/2021	FOR APVL	△	
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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: GALVANIZED		SURFACE PREP: SSPC-SP3		
CUSTOMER:		RD = REF. PT FOR RD'S		WELDING: E70XX-LH
PROJECT:		CHAC UNITED SAMPLE DRAWING		
DRAWN BY:		CHECKED BY:		
JOB NO:		SHEET NO:		

BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	GRADE	REMARKS
GR30	1	GUARDRAIL			
GR30	1	PIPE1-1/4SCH40	23'-11 5/8"	A53	
		PIPE1-1/4SCH40	84'-1 7/8"	A53	Total Length
		PIPE1-1/4SCH80	24'-0"	A53	Total Length
TOTAL WEIGHT (lbf)					249.0



ONE - GUARDRAIL - GR30

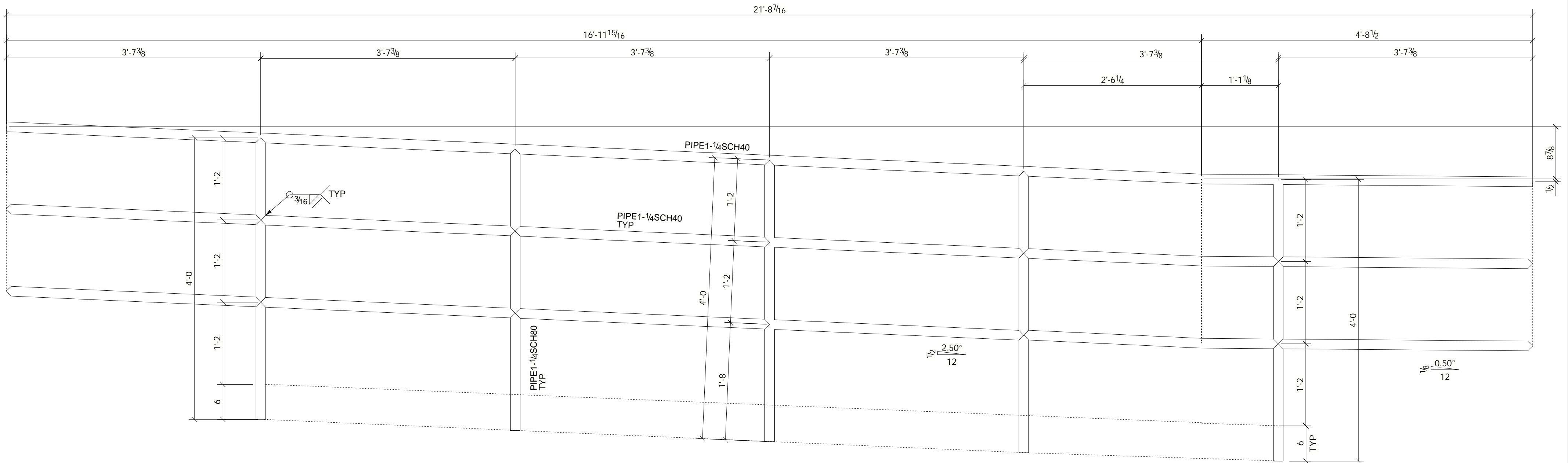
SHOP NOTE  
1.) PROVIDE VENT HOLES AS REQUIRED.

DWG. ISSUE		REVISIONS	
DATE	PURPOSE	NO.	DESCRIPTION
11/05/2021	FOR APVL	△	
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**CHAC UNITED**

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: GALVANIZED		SURFACE PREP: SSPC-SP3		
CUSTOMER:		RD = REF. PT FOR RD'S		WELDING: E70XX-LH
PROJECT:		CHAC UNITED SAMPLE DRAWING		
DRAWN BY:		CHECKED BY:		
JOB NO:		SHEET NO:		

BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	GRADE	REMARKS
GR31	1	GUARDRAIL			
GR31	1	PIPE1-1/4SCH40	21'-8 5/8"	A53	
		PIPE1-1/4SCH40	65'-1 15/16"	A53	Total Length
		PIPE1-1/4SCH80	20'-0"	A53	Total Length
TOTAL WEIGHT (lbf)					196.9



ONE - GUARDRAIL - GR31

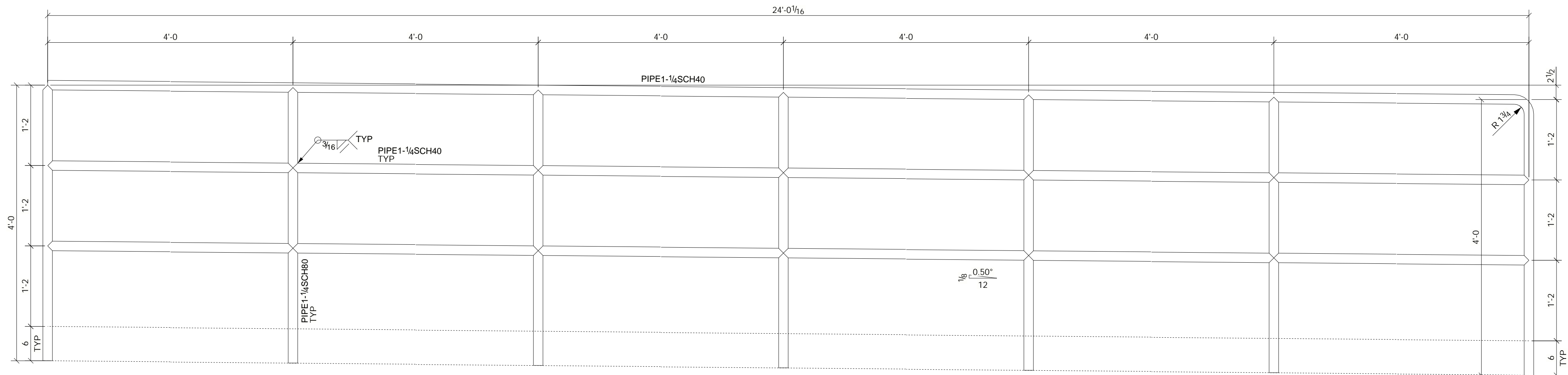
SHOP NOTE

1.) PROVIDE VENT HOLES AS REQUIRED.

DWG. ISSUE		REVISIONS	
DATE	PURPOSE	NO.	DESCRIPTION
11/05/2021	FOR APVL	△	
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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: GALVANIZED		SURFACE PREP: SSPC-SP3		
CUSTOMER:		RD = REF. PT FOR RD'S		WELDING: E70XX-LH
PROJECT:		CHAC UNITED SAMPLE DRAWING		
DRAWN BY:		CHECKED BY:		
JOB NO:		SHEET NO:		

BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	GRADE	REMARKS
GR32	1	GUARDRAIL			
GR32	1	PIPE1-1/4SCH40	27'-11 1/16"	A53	
		PIPE1-1/4SCH40	75'-11 3/16"	A53	Total Length
		PIPE1-1/4SCH80	23'-11 7/8"	A53	Total Length
TOTAL WEIGHT (lbf)					231.4



ONE - GUARDRAIL - GR32

SHOP NOTE  
1.) PROVIDE VENT HOLES AS REQUIRED.

DWG. ISSUE		REVISIONS	
DATE	PURPOSE	NO.	DESCRIPTION
11/05/2021	FOR APVL	△	
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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: GALVANIZED		SURFACE PREP: SSPC-SP3		
CUSTOMER:		RD = REF. PT FOR RD'S		WELDING: E70XX-LH
PROJECT:		CHAC UNITED SAMPLE DRAWING		
DRAWN BY:		CHECKED BY:		
JOB NO:		SHEET NO:		