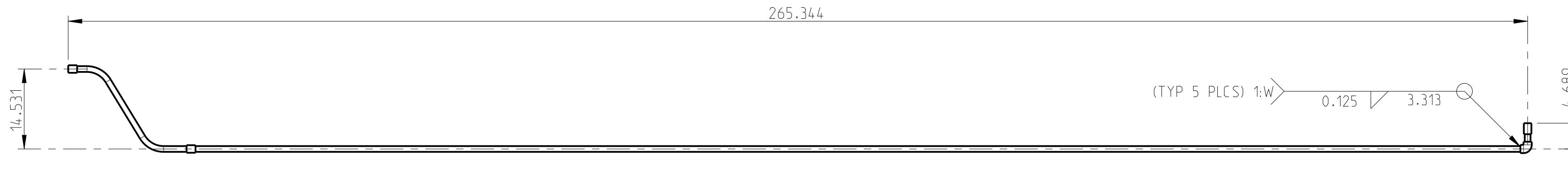
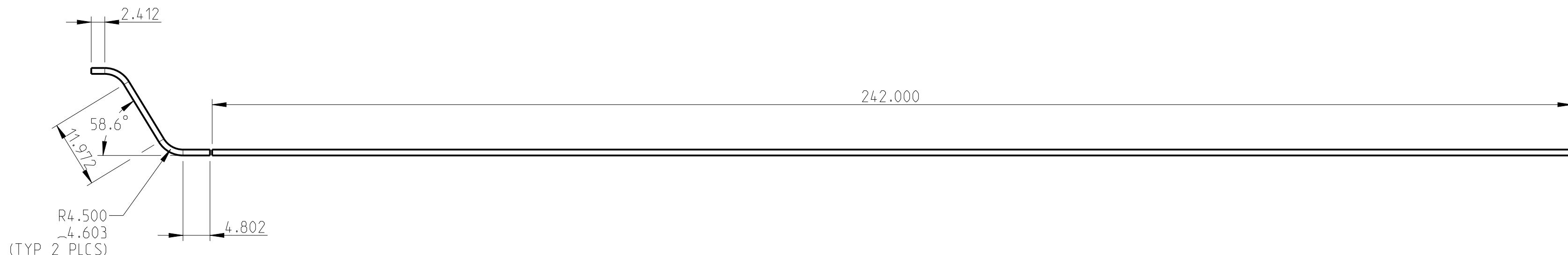


BILL OF MATERIAL

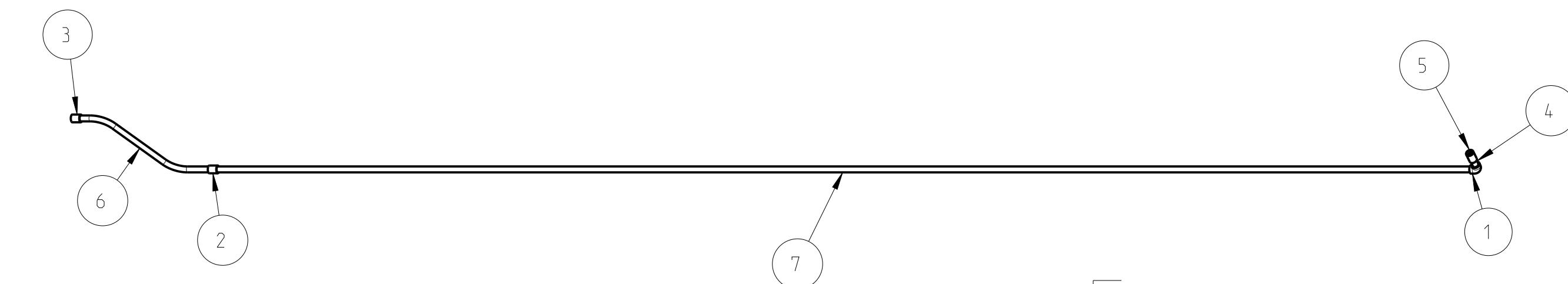
Item No.	Part No.	Description	Quantity	Unit Length
1	10240-018	FITTING, ELBOW, 3/4" X 90 SOCKET WELD	1	
2	10240-105	COUPLING, 3/4" SW X SW	1	
3	10240-124	COUPLING, 3/4" TAPPED X 3/4" SW	1	
4	10240-296	NIPPLE, 3/4" X 2 1/2" XH THREADED ONE END	1	
5	10240-346	COUPLING, 3/4" THREADED, 3000 LB, FORGED	1	
6	10260-004	PIPE, 0.75 Ø, EXTRA HEAVY	1	28.391
7	10260-004	PIPE, 0.75 Ø, EXTRA HEAVY	1	242.000



PIPE ASSEMBLY
ORIENTED FOR TRUE DIMENSIONING



PIPE DETAIL
ORIENTED FOR TRUE DIMENSIONING



NOTE:

1. UNLESS OTHERWISE NOTED, WELD LENGTHS SHOWN ARE MINIMUM LENGTHS, WELD TERMINATIONS MUST HAVE A MINIMUM EDGE DISTANCE OF 0.25.
2. ALL WELDING TO BE IN ACCORDANCE WITH RAILROAD WELDING SPECIFICATION AWS D15.1, LATEST REVISION, AND TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED.
3. PIPE DIMENSIONS ARE FOR REFERENCE ONLY, MANUFACTURING TO DETERMINE FINAL ASSEMBLY DIMENSIONS.
4. PIPING TO BE IN ACCORDANCE WITH AAR SPECIFICATION S-402.

A	02-05-19	JAG	PER ECO ROA400897, SHORTENED LONG PIPE BY 10" FOR CYLINDER HOSE CLEARANCE.
Level	Date	Approved	Description

REVISIONS

FreightCar America

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Standard Tolerances (Unless Noted)

Decimal Dimensions ± 0.063	Hole Diameters ± 0.031
Diagonals 0.125 Max. Variation	Angles $\pm 1^\circ$
Radii will be thickness of material	Tolerances are not accumulative
Made By: JAG	Date: 12-13-18 Ref Dwg: A108994-001
Approved: JAG	Do Not Scale Drawing Est. Wt: 35.14 lbs
ASSEMBLY, SPOOL VALVE PIPE	
Size	Drawing / Part Number
C	A113320-001
	Rev. A