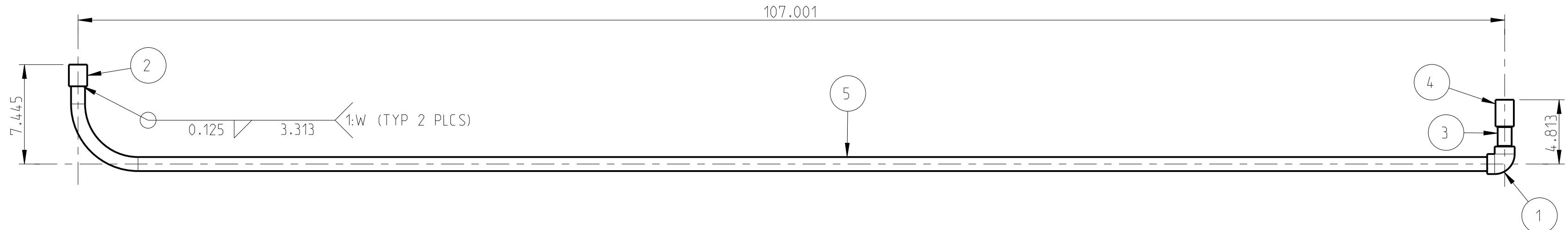
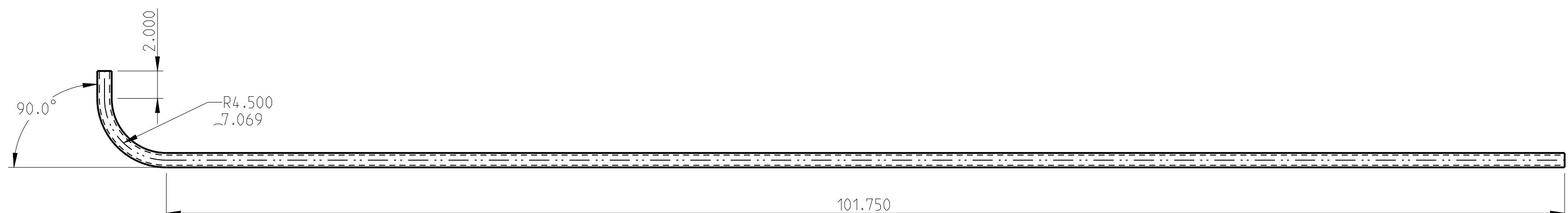


BILL OF MATERIAL

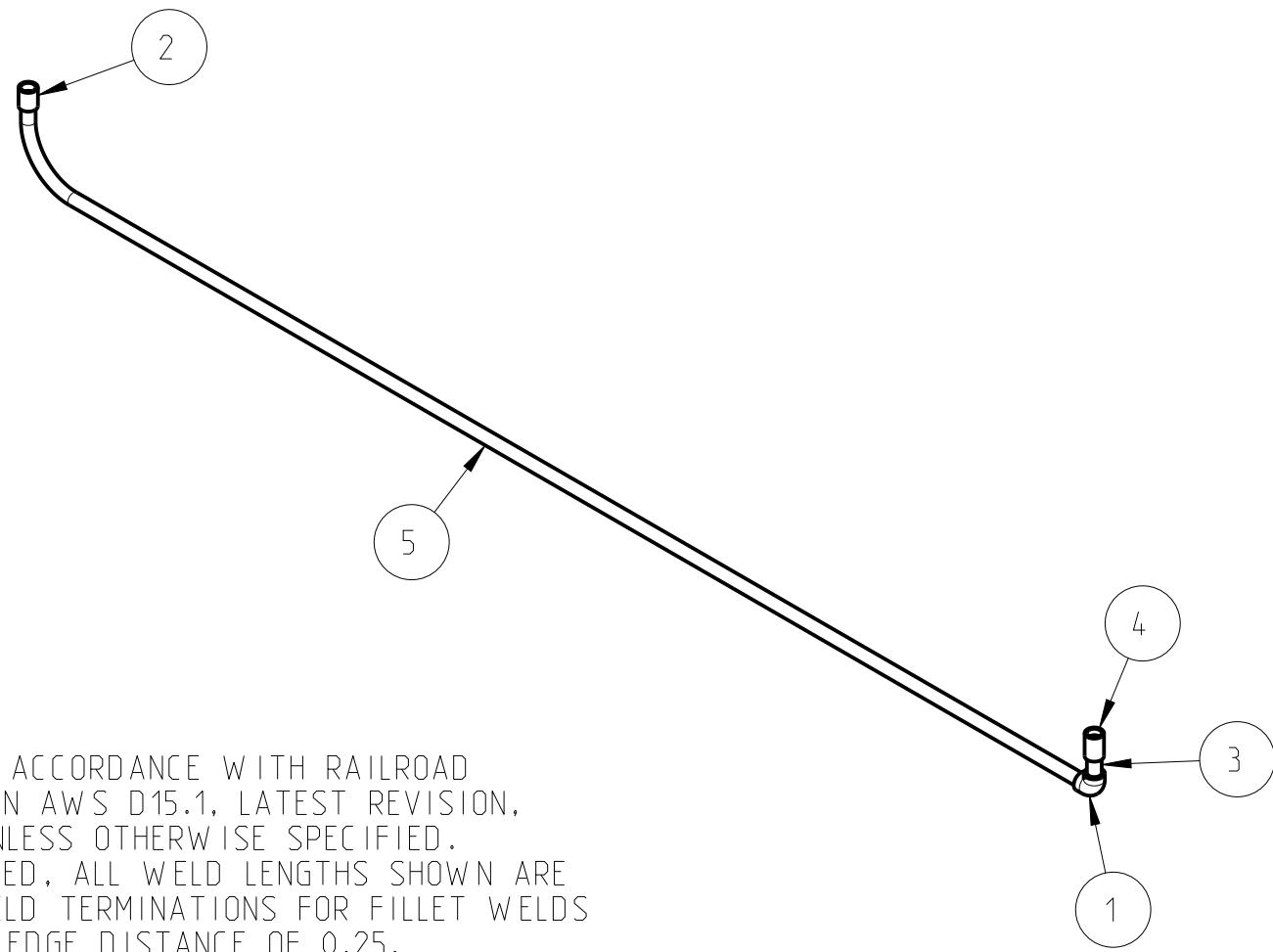
Item No.	Part No.	Description	Quantity
1	10240-018	FITTING, ELBOW, 3/4" X 90 SOCKET WELD	1
2	10240-124	COUPLING, 3/4" TAPPED X 3/4" SW	1
3	10240-296	NIPPLE, 3/4" X 2 1/2" XH THREADED ONE END	1
4	10240-346	COUPLING, 3/4" THREADED, 3000 LB, FORGED	1
5	10260-004	PIPE, 0.75Ø, EXTRA HEAVY	1



PIPE ASSEMBLY
ORIENTED FOR TRUE DIMENSIONS



PIPE DETAIL
ORIENTED FOR TRUE DIMENSIONS
APPROX. PIPE LENGTH 110.813



NOTE:

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

Level	Date	Approved	Description
REVISIONS			

FreightCar America

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Standard Tolerances (Unless Noted)			
Decimal Dimensions ± 0.063	Hole Diameters ± 0.033		
Diagonals 0.125 Max. Variation	Angles $\pm 1^\circ$		
Radii will be thickness of material	Tolerances are not accumulative		
Made By: STS	Date: 12-17-12	Ref Dwg: -	
Approved: JW B/WB	Do Not Scale Drawing	Est. Wt: 15.33 lbs	
ASSEMBLY, SPOOL VALVE PIPE			
Size C	Drawing / Part Number A108994-001	Rev. -	