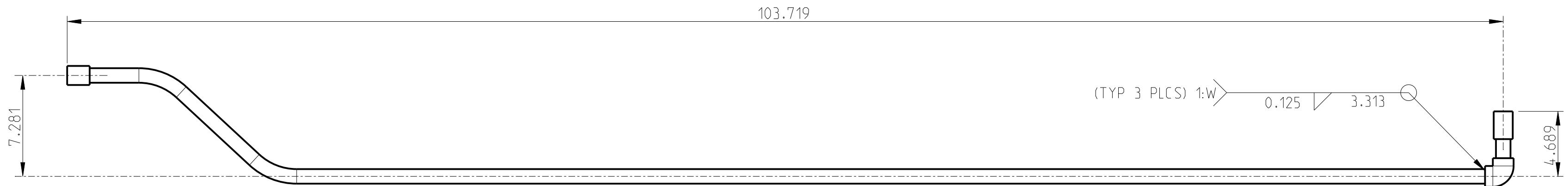
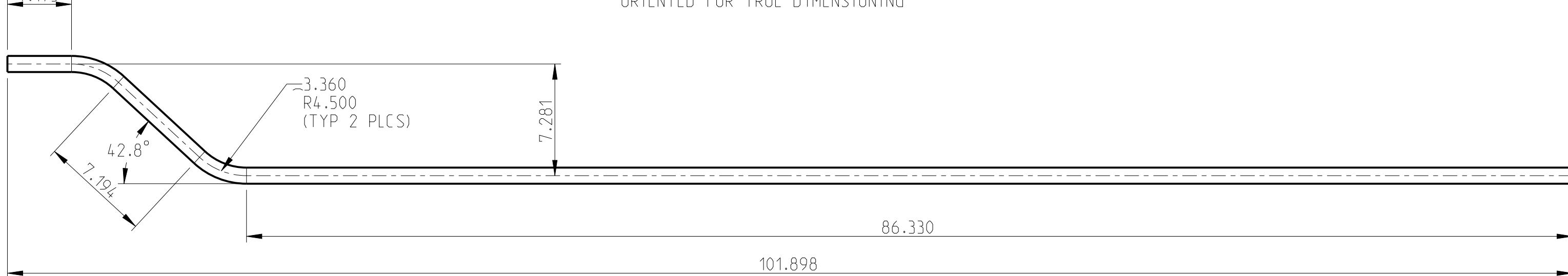


BILL OF MATERIAL

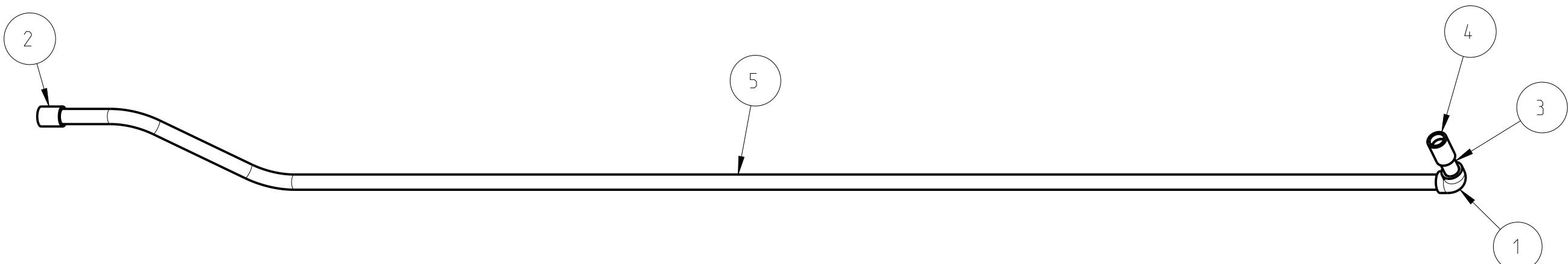
Item No.	Part No.	Description	Quantity	Unit Length
1	10240-018	FITTING, ELBOW, 3/4" X 90 SOCKET WELD	1	
2	10240-124	COUPLING, 3/4" TAPPED X 3/4" SW	1	
3	10240-296	NIPPLE, 3/4" X 2 1/2" XH THREADED ONE END, TAPERED	1	
4	10240-346	COUPLING, 3/4" THREADED, 3000 LB, FORGED	1	
5	M116628-000	PIPE, 0.75 Ø, EXTRA HEAVY	1	104.419



PIPE ASSEMBLY
ORIENTED FOR TRUE DIMENSIONING



PIPE DETAIL
ORIENTED FOR TRUE DIMENSIONING



C 10-19-29 FARFAKE ECO CAS601529, ADDED OVERALL PIPE LENGTH DIMENSIONS ON PIPE DETAIL.

B 01-22-23 JAJ ECO CAS600067, CONVERTED PIPE INTO "M" PART NUMBER.

A 11-02-17 JAG ADDED NOTE #4 AND UPDATED PIPE TO MEET AAR SPECIFICATION

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/RLL Date: 09-16-16 Ref Dwg: A109884-002

Approved: GJF Do Not Scale Drawing Est. Wt: 14.50 lbs

ASSEMBLY, SPOOL VALVE PIPE

Size C	Drawing / Part Number A113322-000	Rev. C
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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.