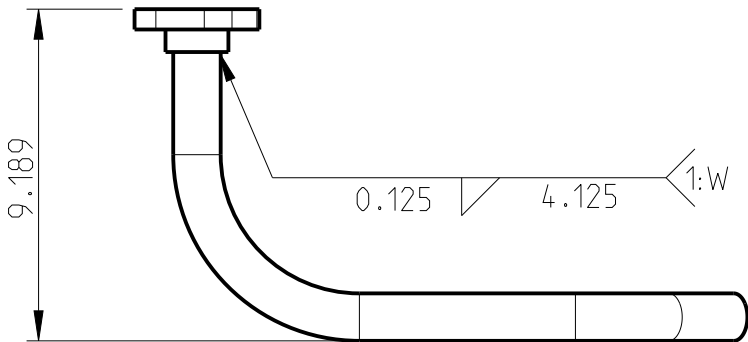
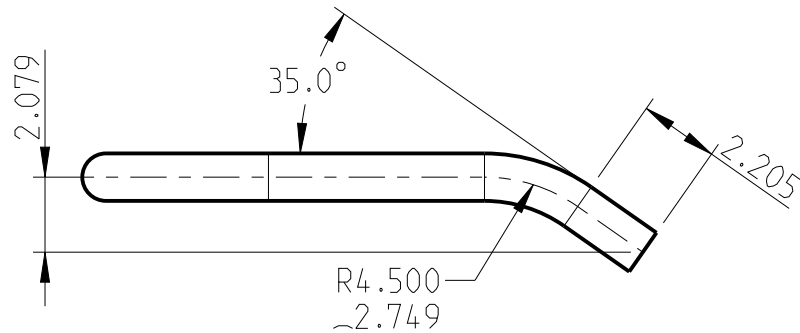


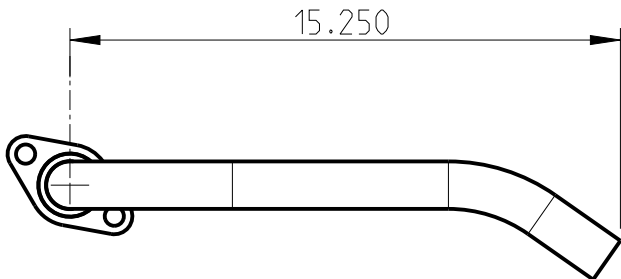
PIPE DETAIL

ORIENTED FOR TRUE DIMENSIONING
SCALE 0.188



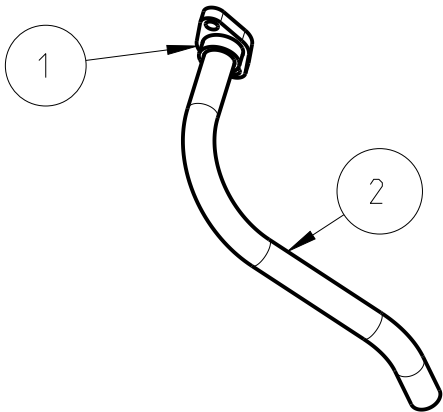
PIPE ASSEMBLY

ORIENTED FOR TRUE DIMENSIONING
SCALE 0.188



BILL OF MATERIAL

Item No.	Part No.	Description	Quantity	Unit Length
1	10240-065	FITTING, 1" STRT SW V FLG SW, GG	1	
2	M116625-000	PIPE, 1.000 Ø, EXTRA HEAVY	1	21.414



C	11-28-23	FAR	ECO CAS601576: ADDED OVERALL PIPE LENGTH DIMENSIONS ON PIPE DETAIL.
B	01-22-21	JAJ	ECO CAS600067: PIPE M116625-000 WAS 10260-003.
A	10-31-17	JAG	ADDED NOTE #4 AND UPDATED PIPE TO MEET AAR SPECIFICATION
Level	Date	Approved	Description

REVISIONS

**FreightCar
America**

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF FREIGHTCAR AMERICA AND CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. BY ACCEPTING THIS DRAWING, THE RECIPIENT AGREES (A) TO USE THIS DRAWING ONLY FOR THOSE PURPOSES APPROVED IN WRITING BY FREIGHTCAR AMERICA . (B) NOT TO REPRODUCE OR MODIFY THIS DRAWING, IN WHOLE OR IN PART, AND (C) NOT TO DISCLOSE THIS DRAWING TO ANY PERSON OR ENTITY, NOR USE THE DRAWING FOR THE DESIGN OR MANUFACTURE OF ANY ITEM, PART, OBJECT OR APPARATUS THEREOF, EXCEPT UPON THE PRIOR WRITTEN PERMISSION OF FREIGHTCAR AMERICA.

Standard Tolerances (Unless Noted)

Decimal Dimensions ± 0.063	Hole Diameters ± 0.031
Diagonals 0.125 Max. Variation	Angles ± 1°
Radii will be thickness of material	Tolerances are not accumulative

Made By: JWB/MHK	Date: 12-12-12	Ref Dwg: N/A
Approved: JWB	Do Not Scale Drawing	Est. Wt: 4.77 lbs

ASSEMBLY, BRANCH PIPE

Size	Drawing / Part Number	Rev.
B	A109012-000	C

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.