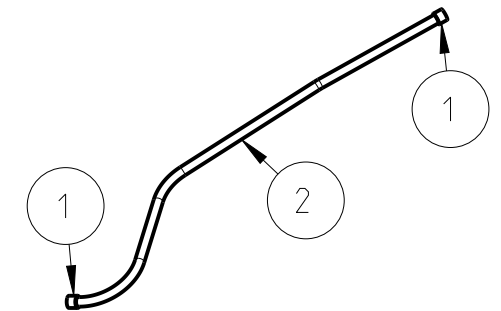


BILL OF MATERIAL

Item No.	Part No.	Description	Quantity	Unit Length
1	10240-077	COUPLING, 1 1/4" SW X SW	2	
2	M116616-000	PIPE, 1.250 Ø, EXTRA HEAVY	1	88.297



E	10-19-23	FAR	ECO CAS601529. ADDED OVERALL PIPE LENGTH DIMENSIONS ON PIPE DETAIL.
D	01-22-21	JAJ	ECO CAS600067, ITEM M116616-000 WAS 10260-002.
C	11-01-17	JAG	ADDED NOTE #4 AND UPDATED PIPE TO MEET AAR SPECIFICATION
B	01-16-13	JWB	PER ECO DAN100152: CHANGED PIPE ASSEMBLY TO ALLOW FOR CLEARANCE.
A	01-02-13	JWB	REVISED PRINT TO SHOW UPDATED DIMENSIONS TO ALLOW FOR CLEARANCE ON CAR BODY.
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 $\pm 1^\circ$	
Radii will be thickness of material		Tolerances are not accumulative	
Made By: MHK	Date: 12-12-12	Ref Dwg: N/A	
Approved: JWB	Do Not Scale Drawing	Est. Wt: 23.41 lbs	

ASSEMBLY, TRAINLINE PIPE @ A-END

Size B	Drawing / Part Number A108975-000	Rev. E
------------------	---	------------------

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.