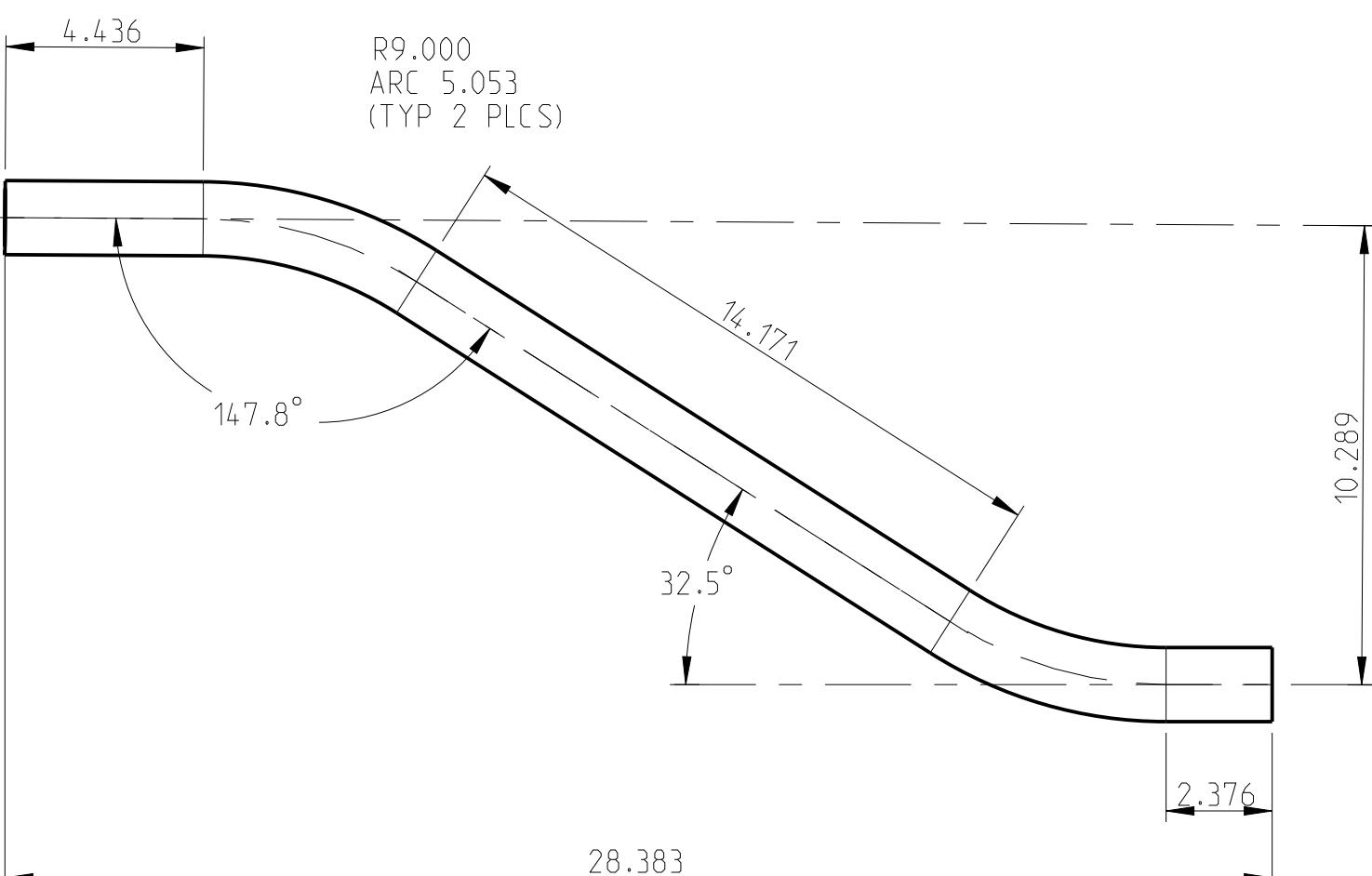
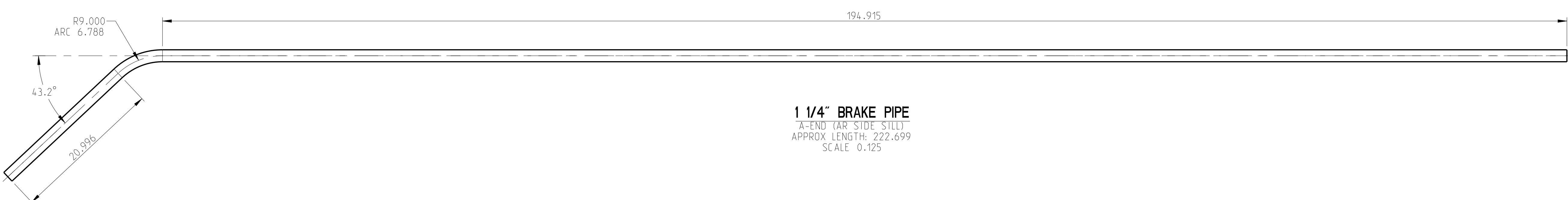


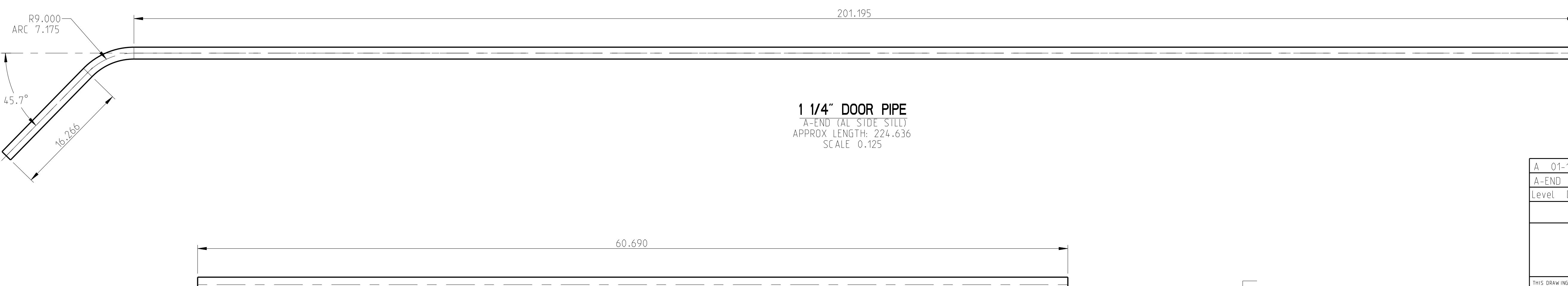
1 1/4" BRAKE PIPE
A-END SHEAR PLATE COUPLING TO ANGLE COCK
APPROX LENGTH: 30.491
SCALE 0.250



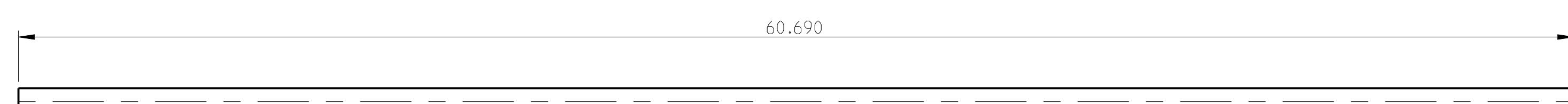
1 1/4" BRAKE PIPE
B-END SHEAR PLATE COUPLING TO ANGLE COCK
APPROX LENGTH: 31.089
SCALE 0.250



1 1/4" BRAKE PIPE
A-END (AIR SIDE SILL)
APPROX LENGTH: 194.915
SCALE 0.125



1 1/4" DOOR PIPE
A-END (AIR SIDE SILL)
APPROX LENGTH: 201.195
SCALE 0.125



3/4" DOOR PIPE
A-END BOLSTER WEB
APPROX LENGTH: 60.690
SCALE 0.250

A 01-16-13 JWB **JWB** PER ECO DAN100152: UPDATED
A-END BRAKE PIPE AND BRAKE PIPE @ SIDE SILL
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: STS	Date: 01-02-13	Ref Dwg: NA
Approved: JWB	Do Not Scale Drawing	Est. Wt: NA

ARRANGEMENT, PIPING DETAIL

Size D	Drawing / Part Number A108948-000	Rev. A
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