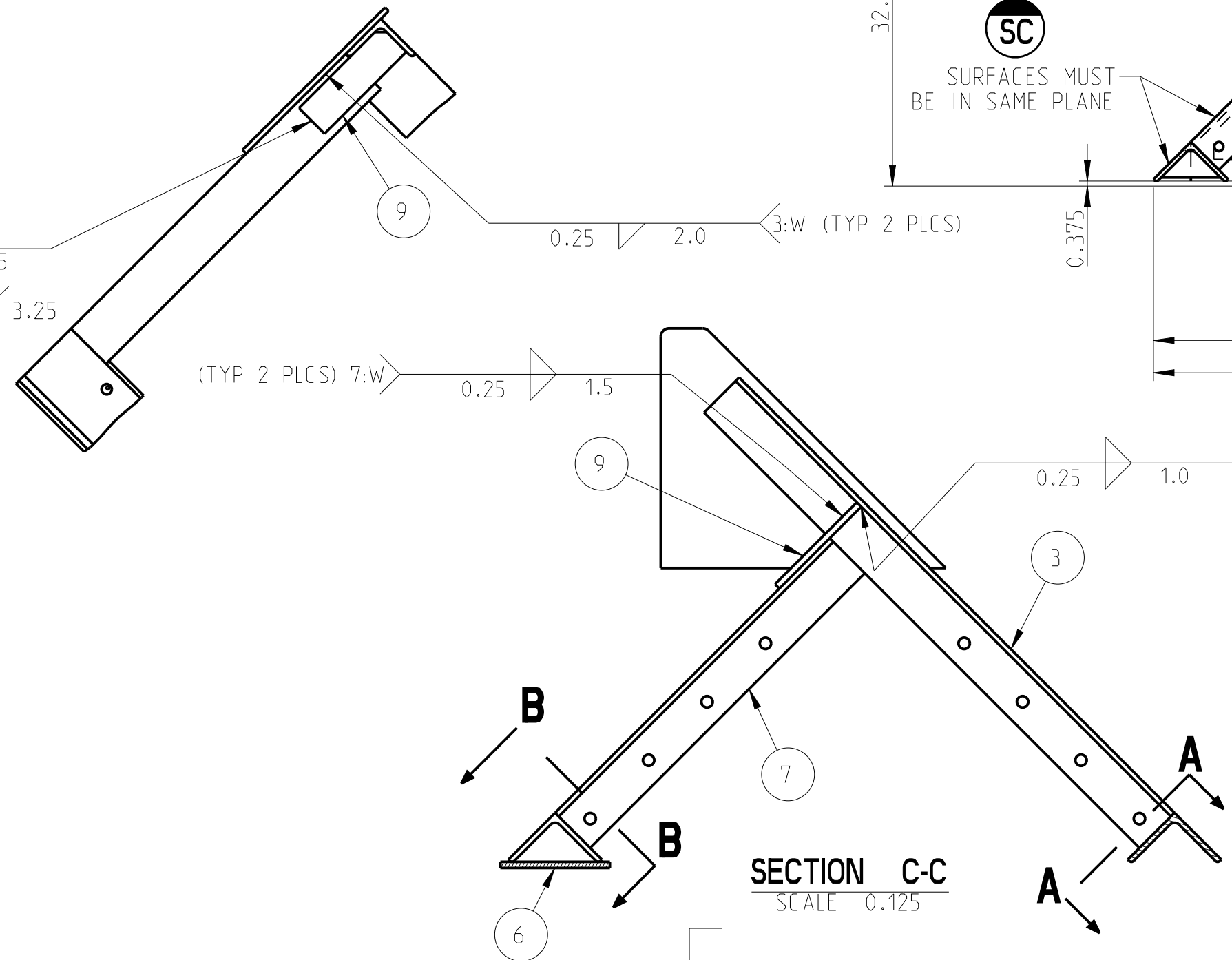
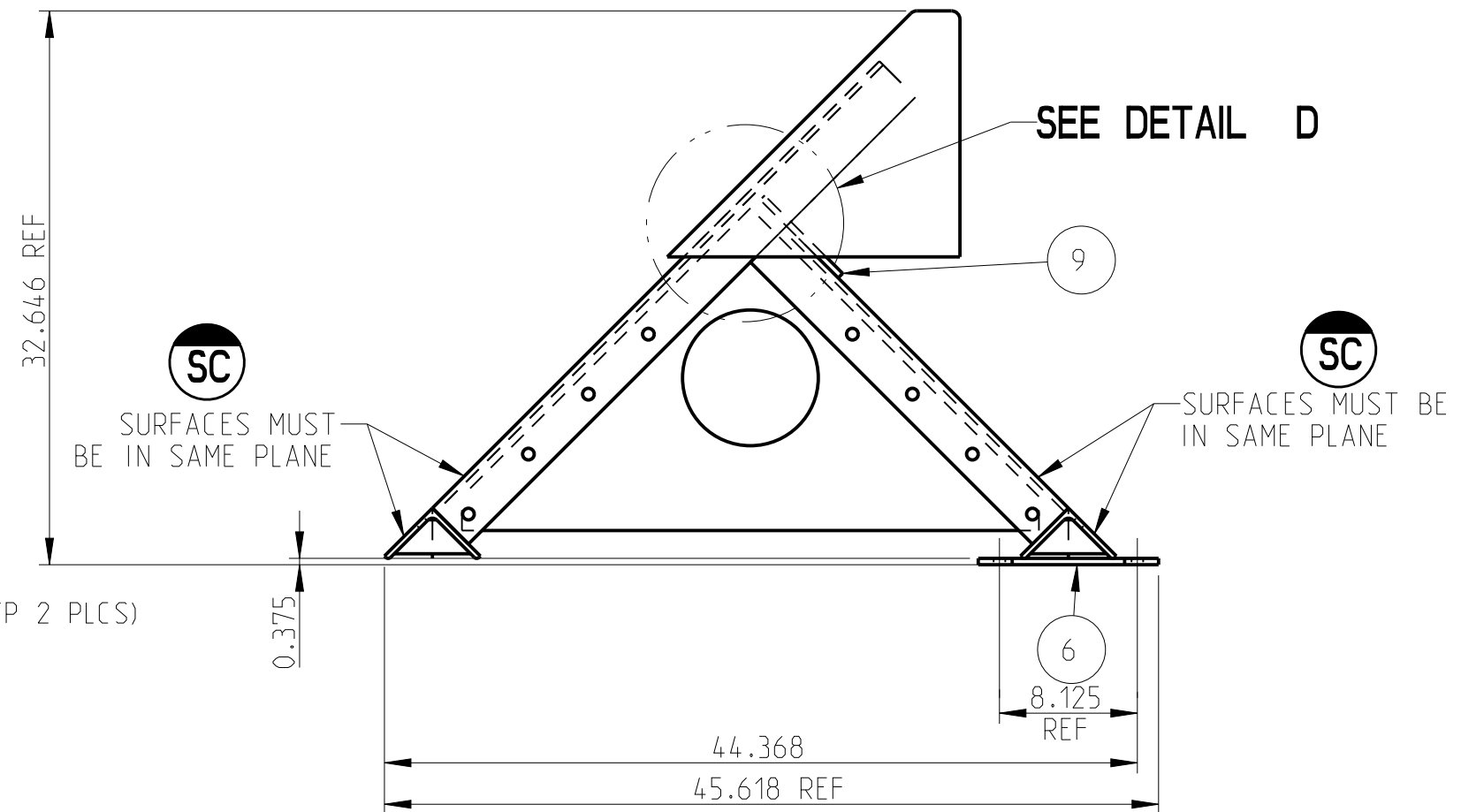
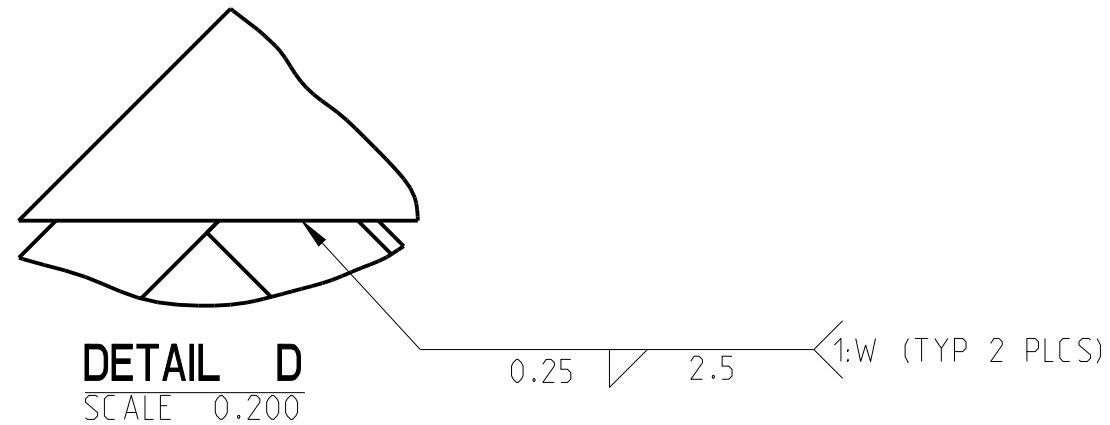
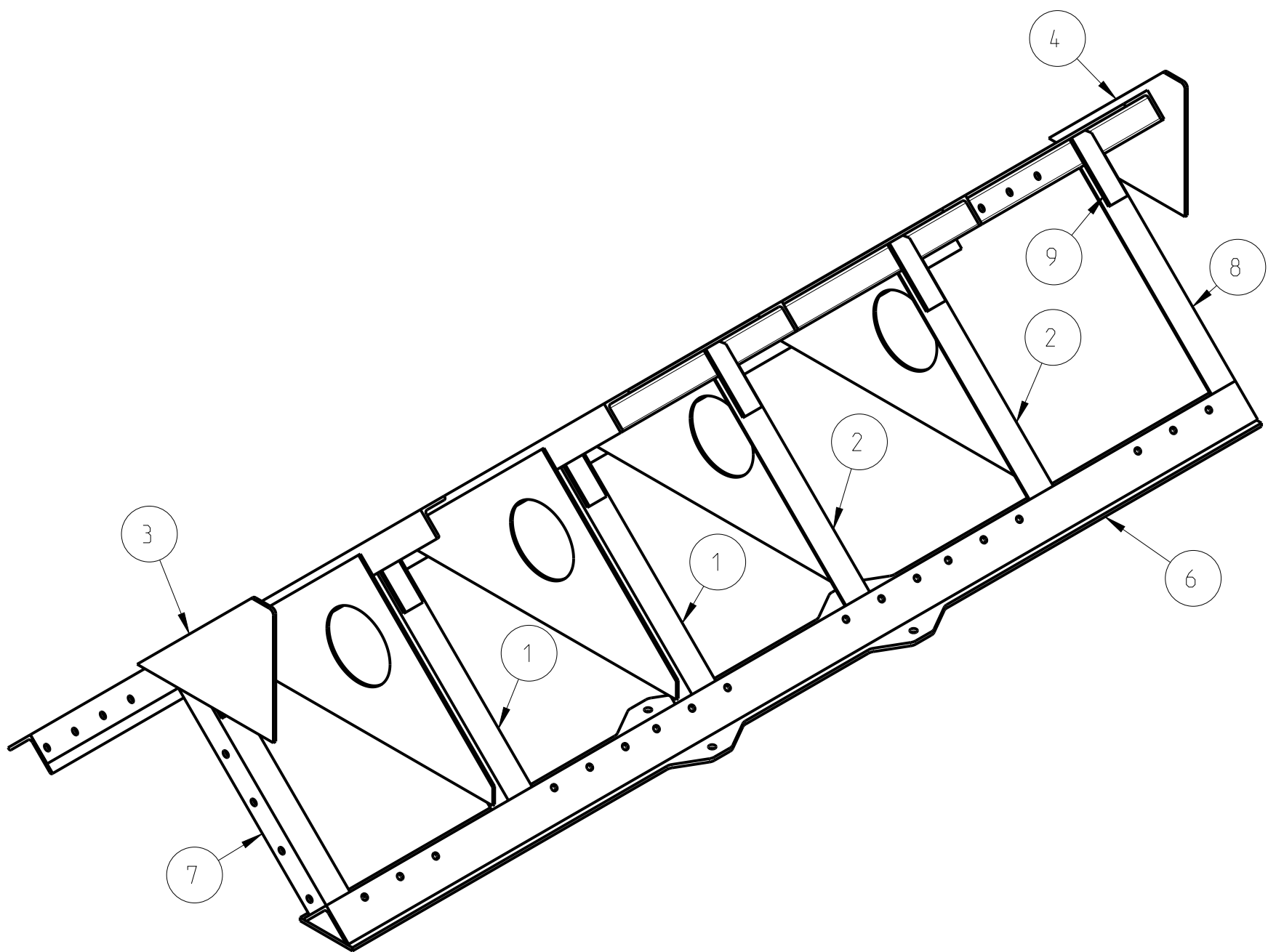


BILL OF MATERIAL			
Item No.	Part No.	Description	Quantity
1	A108735-010	ASSEMBLY, TROUGH GUSSET, END	2
2	A108735-020	ASSEMBLY, TROUGH GUSSET, END	2
3	A108737-010	ASSEMBLY, END TROUGH CAP	1
4	A108737-020	ASSEMBLY, END TROUGH CAP	1
5	A108889-000	ASSEMBLY, ANGLE REINFORCEMENT	1
6	A108890-000	ASSEMBLY, TROUGH CONNECTION	1
7	M108896-010	STIFFENER, TROUGH	1
8	M108896-020	STIFFENER, TROUGH	1
9	M108912-000	REINFORCEMENT, ANGLE	2



NOTE:
1. ALL WELDING TO BE IN ACCORDANCE WITH RAILROAD WELDING SPECIFICATION AWS D15.1, LATEST REVISION, AND TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED.
2. UNLESS OTHERWISE NOTED, ALL WELD LENGTHS SHOWN ARE MINIMUM LENGTHS. WELD TERMINATIONS FOR FILLET WELDS MUST HAVE A MINIMUM EDGE DISTANCE OF 0.25.

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: JWB/JML	Date: 10-01-12	Ref Dwg: -		
Approved: GP	Do Not Scale Drawing	Est. Wt: 551.38 lbs		
ASSEMBLY, TROUGH END				
Size D	Drawing / Part Number A108930-000			Rev. ***

SC SPECIAL CHARACTERISTIC - FEATURE THAT IS "KEY" TO FORM, FIT, AND FUNCTION OF THE PART/ASSY