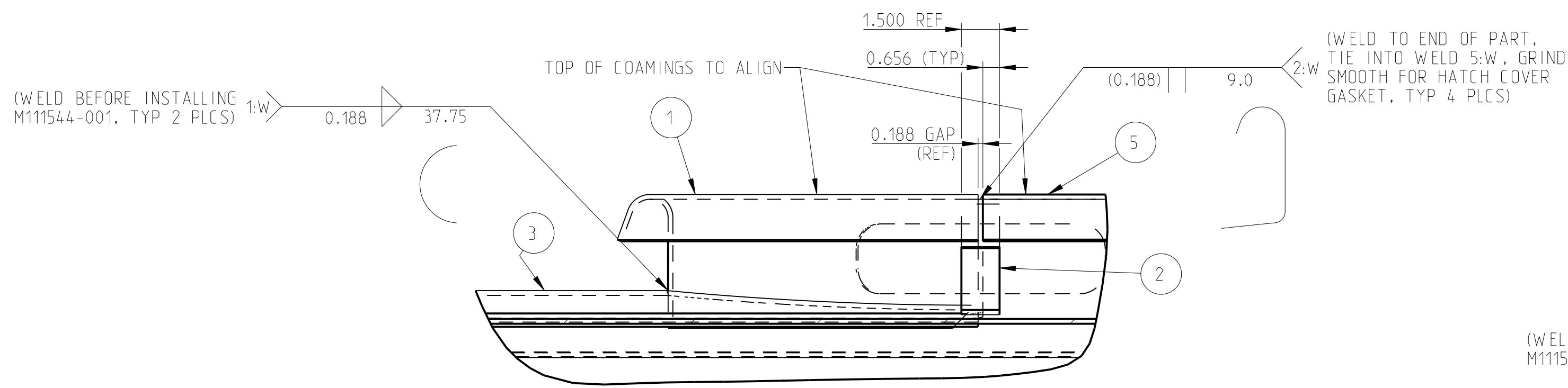
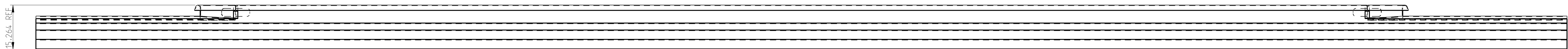
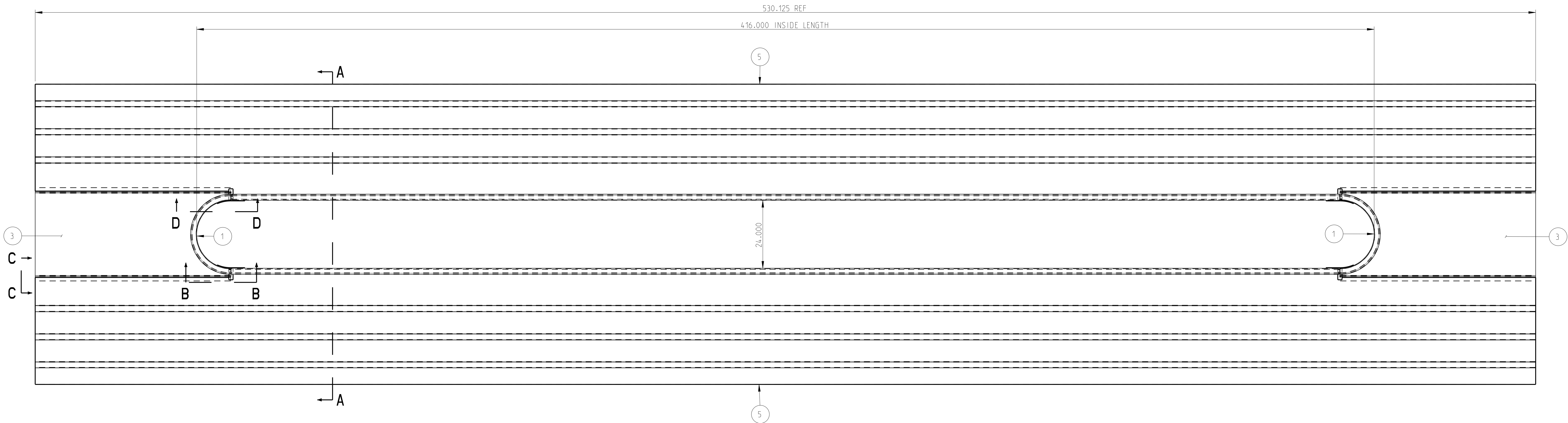
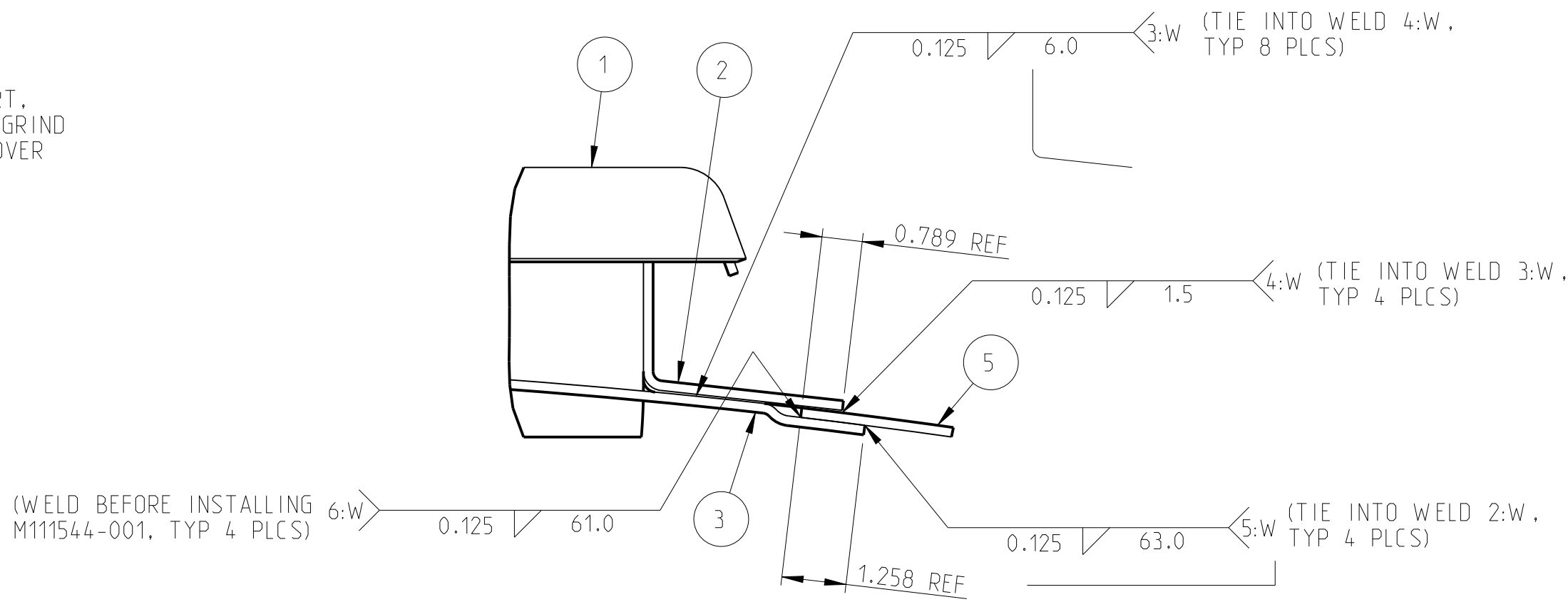


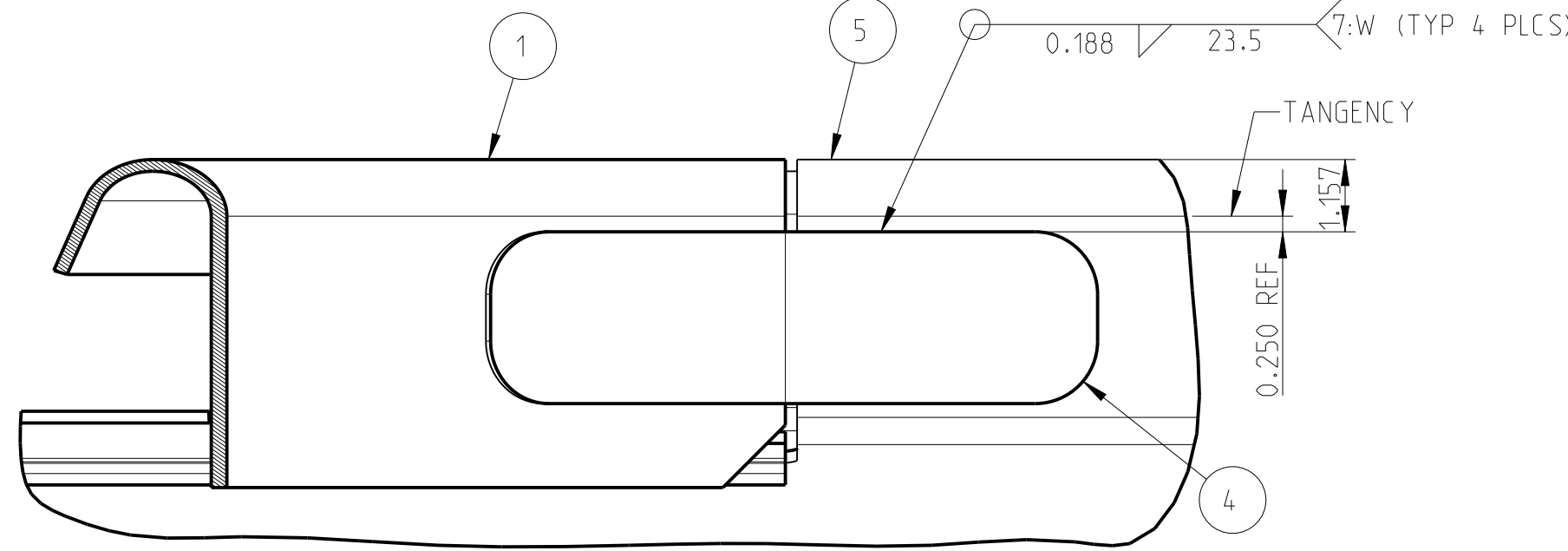
BILL OF MATERIAL			
Item No.	Part No.	Description	Quantity
1	M110391-000	COAMING, ROOF	2
2	M111544-001	BACK UP, ROOF COAMING	4
3	M111580-005	ROOF SHEET, END, CRIMPED	2
4	M112854-000	REINFORCEMENT, ROOF	4
5	M113339-000	SHEET, ROOF	2



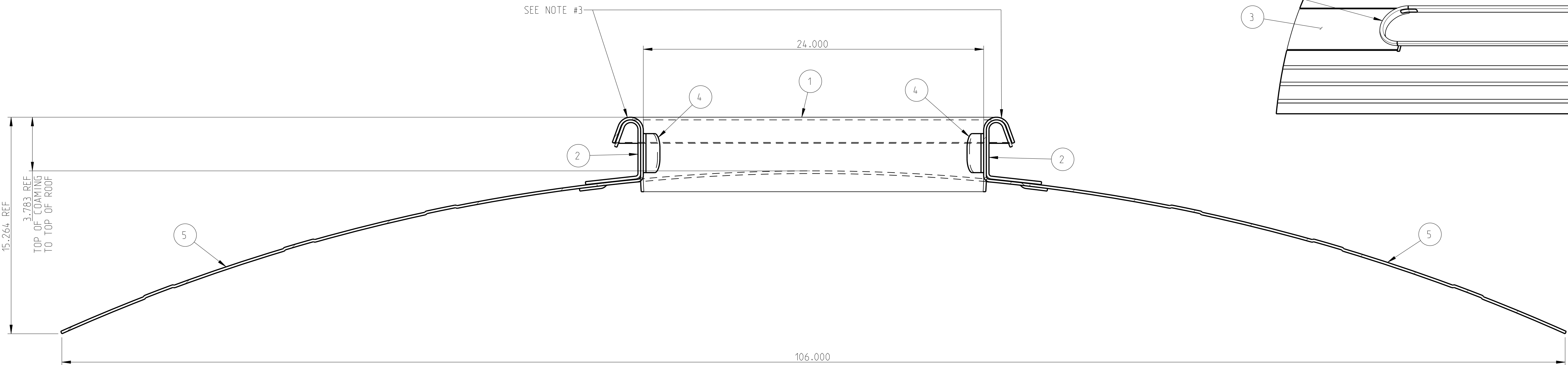
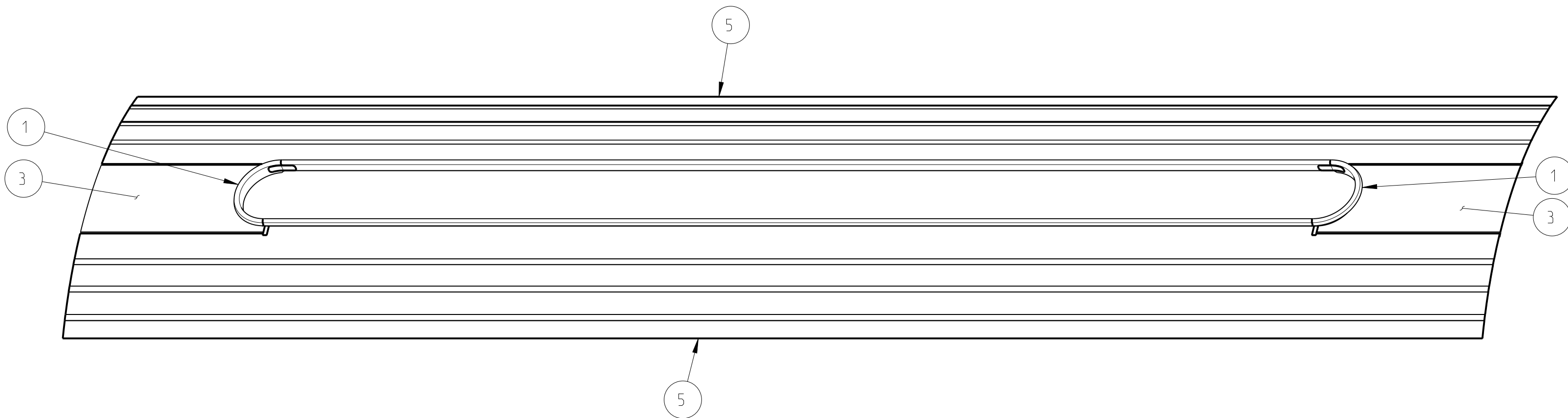
SECTION B-B
SCALE 0.250



SECTION C-C
SCALE 0.375



SECTION D-D
SCALE 0.375



SECTION A-A
SCALE 0.250

- 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.
 3. FLATNESS DEVIATION SHOULD NOT EXCEED 1/8" TO 3/16" OVER 60" OR NO MORE THAN 1/2" OVER 120". HEIGHT DIFFERENCE FROM HINGE-SIDE TO LOCK-SIDE = 3/8" MAX.

PRELIMINARY

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 RELEASANT AGREES NOT TO USE THIS DRAWING FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN APPROVAL OF FREIGHTCAR AMERICA. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE 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: JvB	Date: 07-27-16	Ref Dwg: A111581-003	
Approved: -	Do Not Scale Drawing	Est. Wt: 2904.75 lbs	
ASSEMBLY, ROOF			
Sheet 1 of 1	Size E	Drawing / Part Number A113340-000	Rev. -