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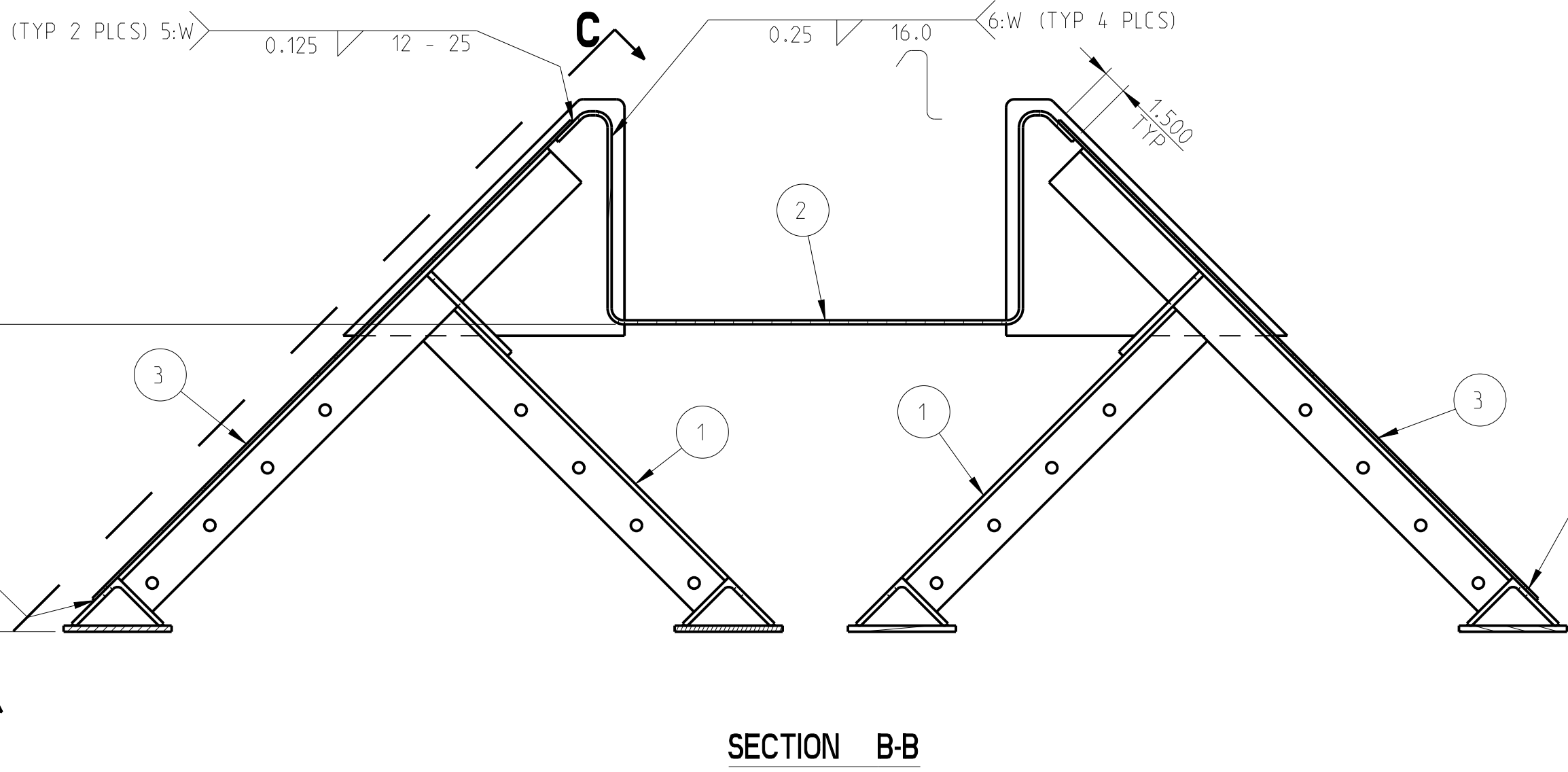
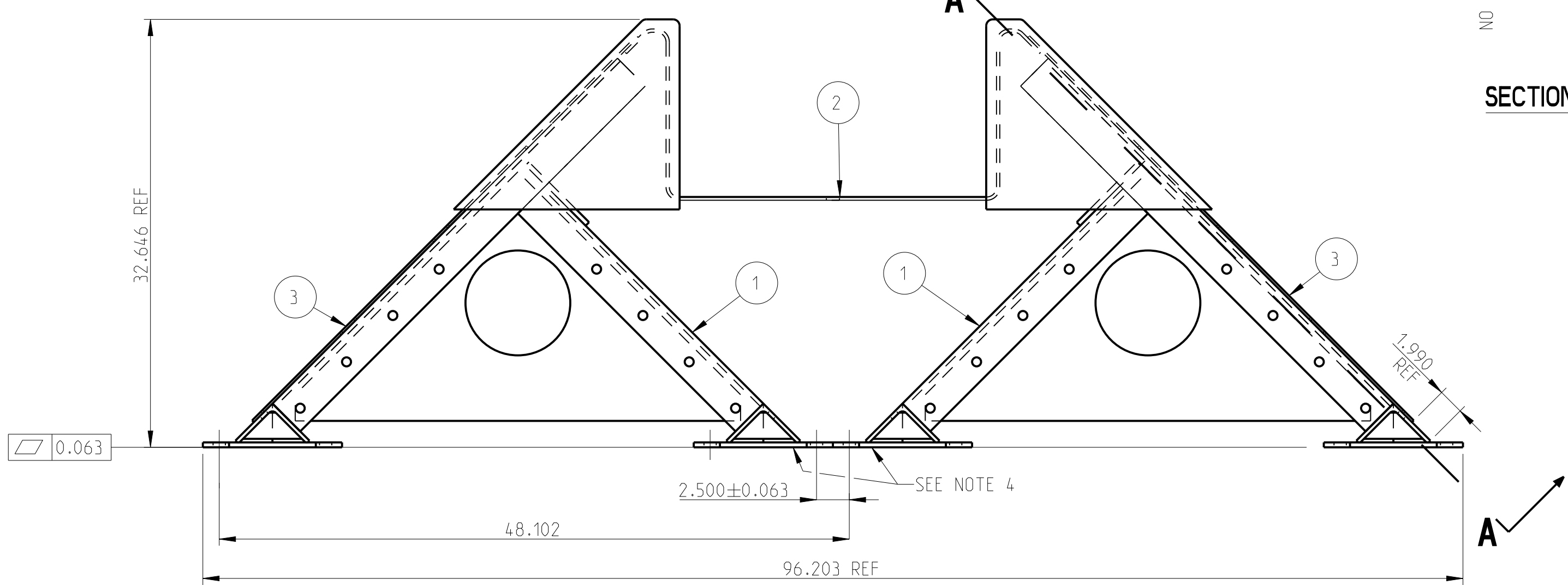
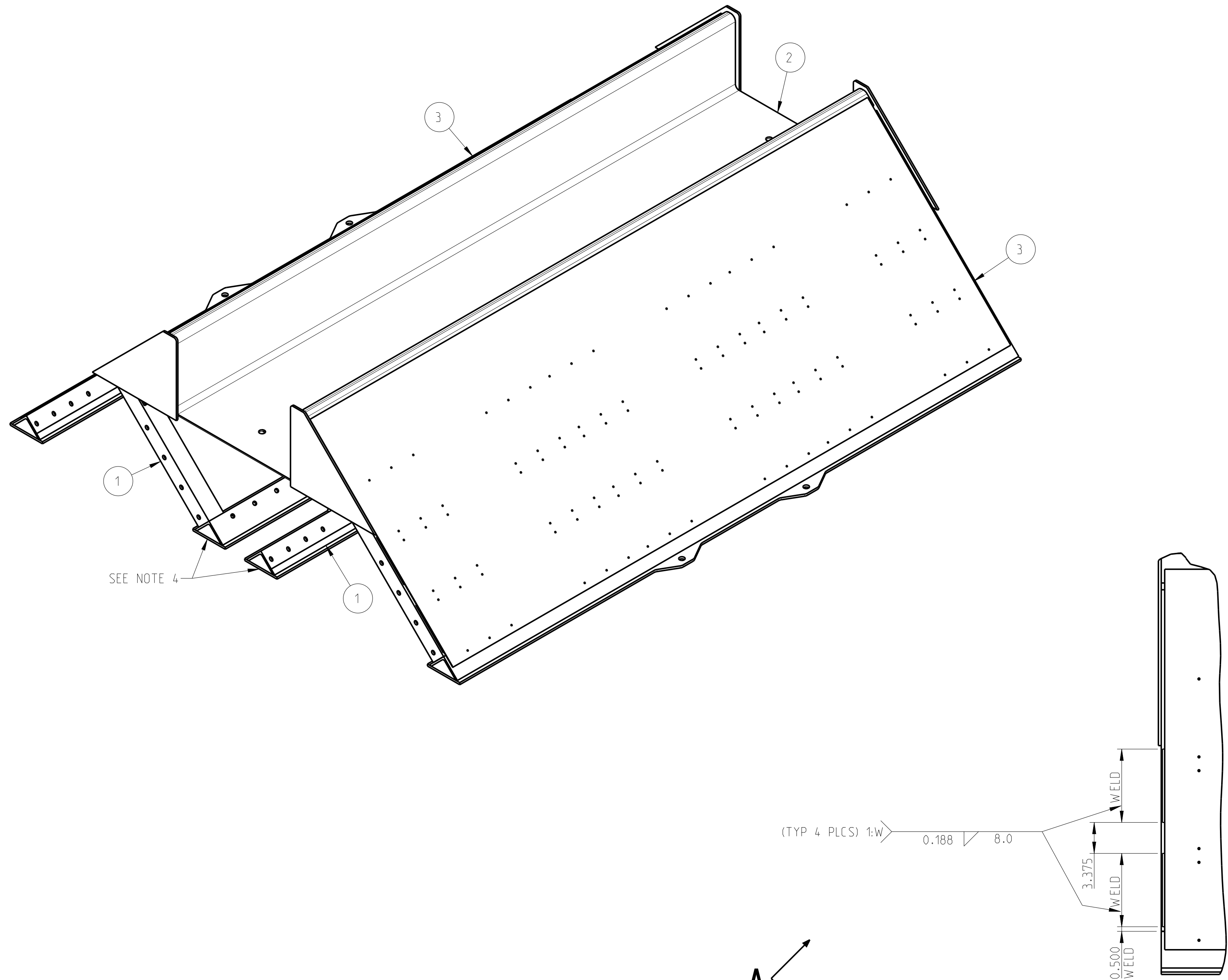
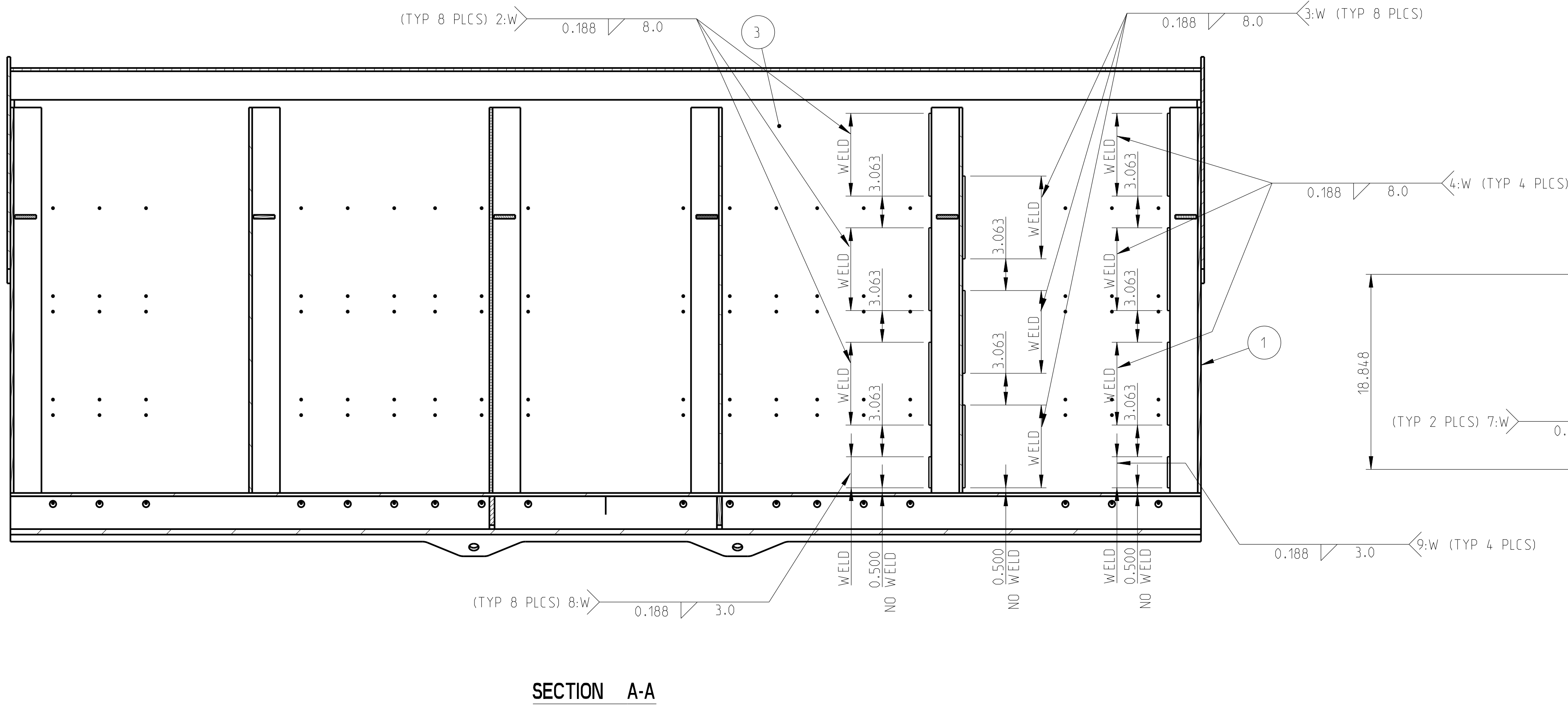
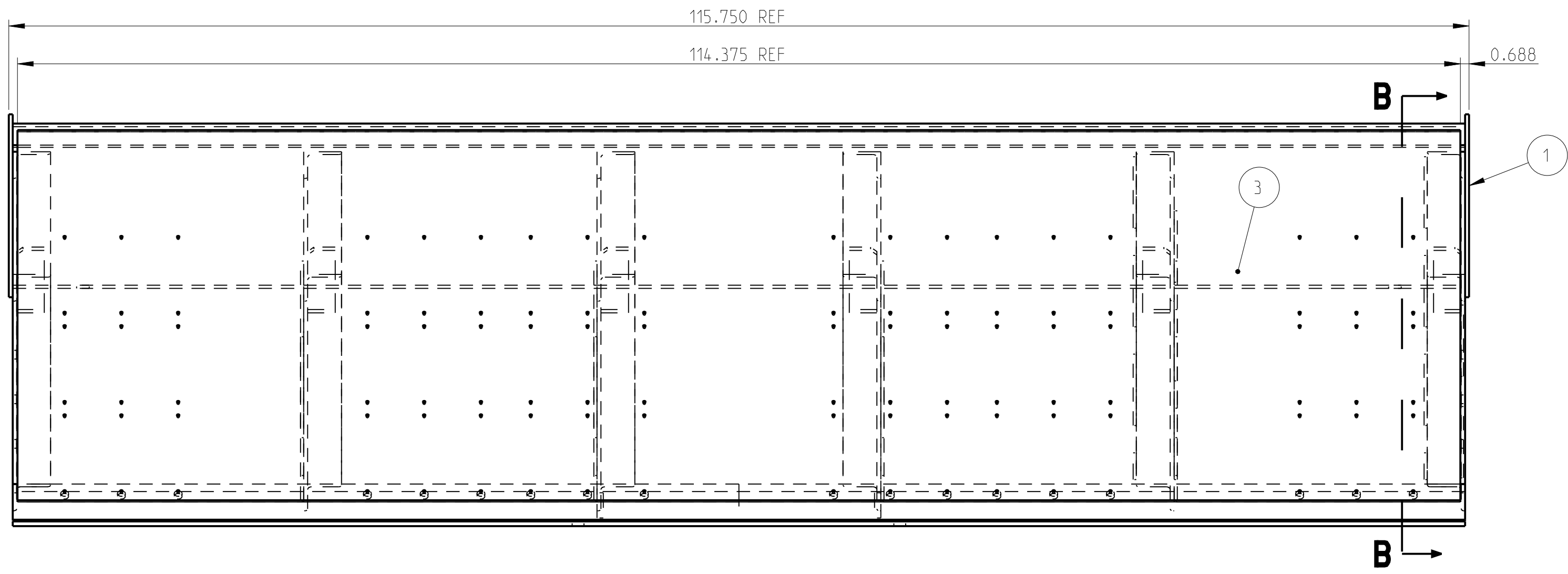
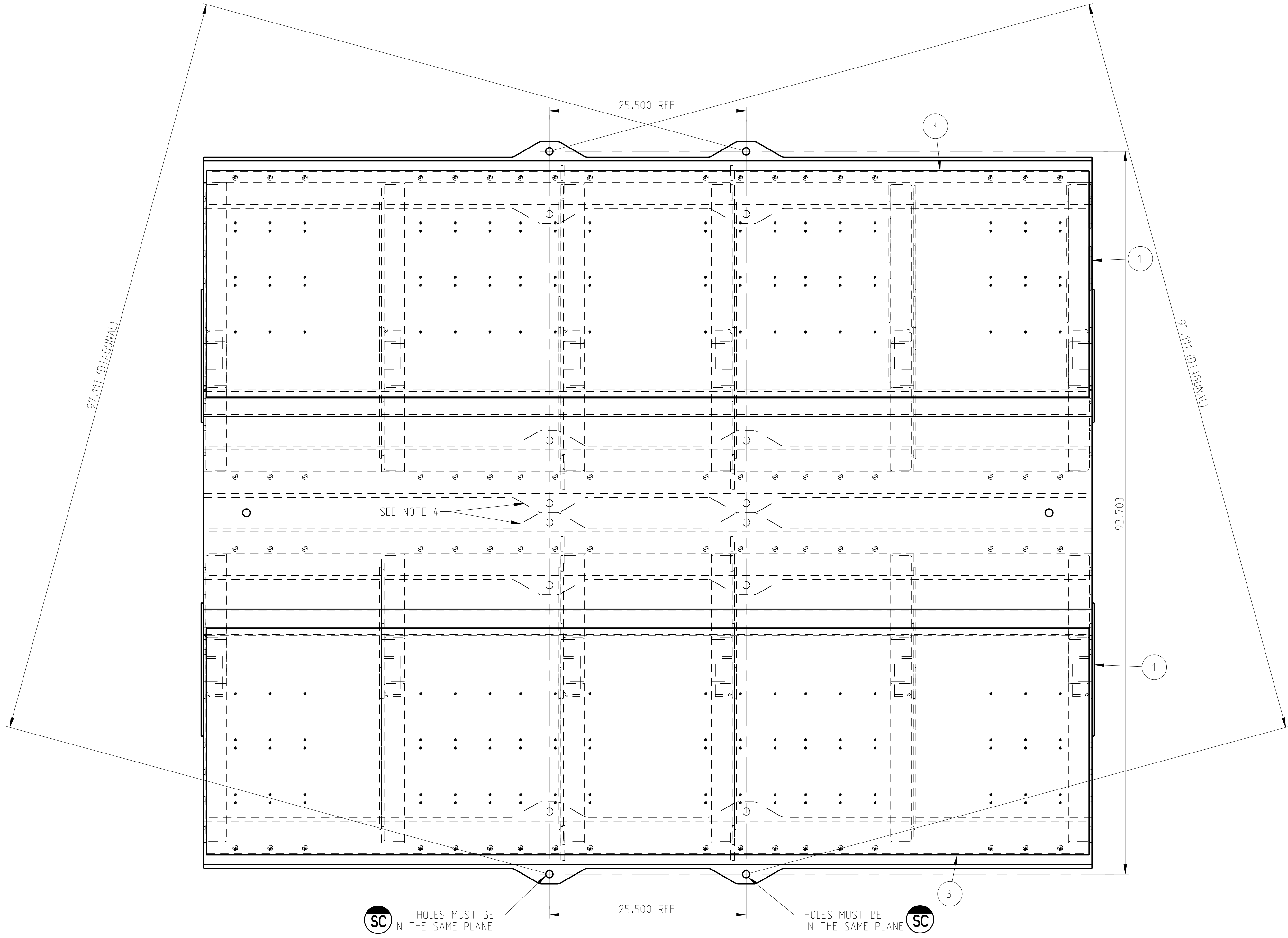
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BILL OF MATERIAL			
Item No.	Part No.	Description	Quantity
1	A108487-000	ASSEMBLY, TROUGH END	2
2	M108907-000	SUPPORT, CENTER TROUGH	1
3	M108910-000	FLOOR, END TROUGH	2



- 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.
 3. MOUNTING PLATE HAS A NOMINAL 1,250 EDGE DISTANCE. MUST HOLD THE 2,500 DIM. AS SHOWN TO MAINTAIN HOLE ALIGNMENT WHEN ENTIRE ASSEMBLY IS MATED TO CAR BODY. GRIND EDGE OF PLATE TO 1,125 MIN. IF NECESSARY FOR PROPER FIT.
 4. FOR SHIPPING AND HANDLING PURPOSES, BOTTOM CONNECTION PLATES NOTED ABOVE MAY BE FABRICATED AS ONE PLATE.

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

0.20 DIA. HOLES IN FLOOR MUST HAVE COMPLETE PASS THRU CLEARANCE WITH HOLES IN ANGLE. ALSO, EDGE OF FLOOR HOLE @ ANY POSITION MUST HAVE 4 MIN. OF 0.063 FROM EDGE OF FLOOR HOLE TO ANGLE HOLE. (TYPICAL 2 PLCS)

C 01-03-13	JA/JA7	FOR FUTURE ORDER, ADDED NOTE 4
B 10-16-12	JA/J	PER ECO DAN100124, UPDATED
WELDS AND ADDED SECTION C-C.		
A 10-10-12	JA/J	PER ECO DAN100122, ADDED
NOTE 3 AND 2,500 HOLE LOCATION DIM. AT F-6.		
Level	Date	Approved
REVISIONS		
FreightCar America		
THIS DRAWING IS THE EXCLUSIVE PROPERTY OF FREIGHTCAR AMERICA AND CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. BY ACCEPTING THIS DRAWING, THE BUYER AGREES TO USE THIS DRAWING ONLY FOR THE PURPOSES APPROVED IN WRITING BY FREIGHTCAR AMERICA. NO PART IS TO BE REPRODUCED OR COPIED BY THIS DRAWING IN ANY MANNER OR BY ANY MEANS, AND NOT TO BE USED FOR THE DESIGN OR MANUFACTURE OF ANY ITEM, PART, SUBSET 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: JvB/STS	Date: 10-01-12	Ref Dwg: -
Approved: GPJ	Do Not Scale Drawing	Est. wt: 2246.62 lbs
ASSEMBLY, TROUGH, CENTER		
Sheet 1 of 1	Size E	Rev. C