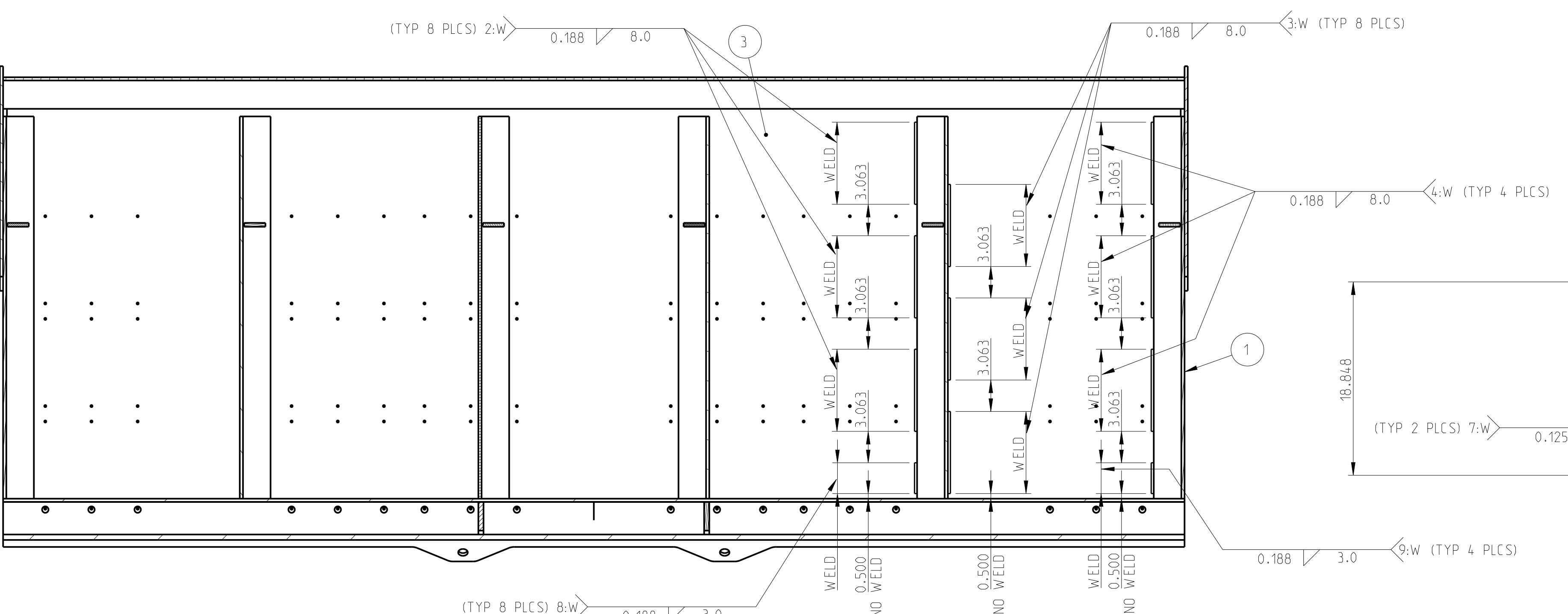
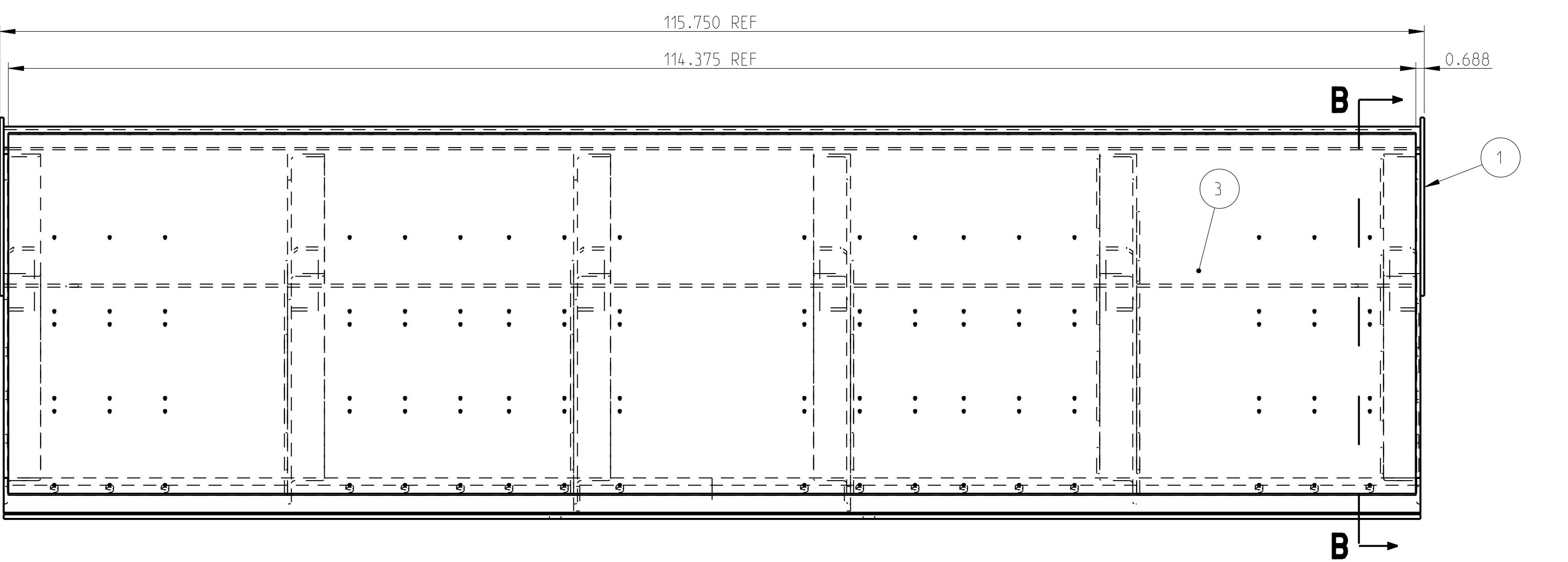
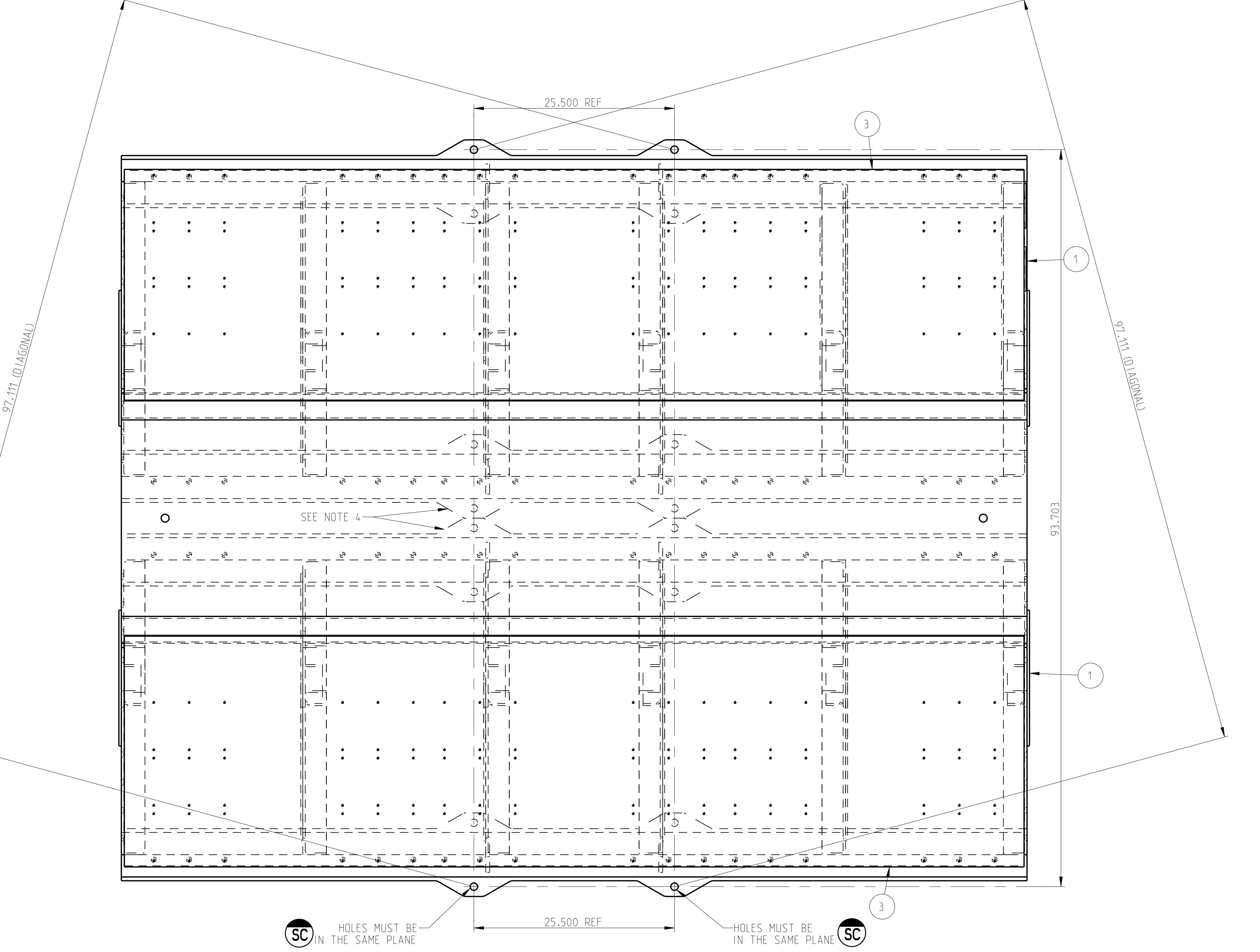
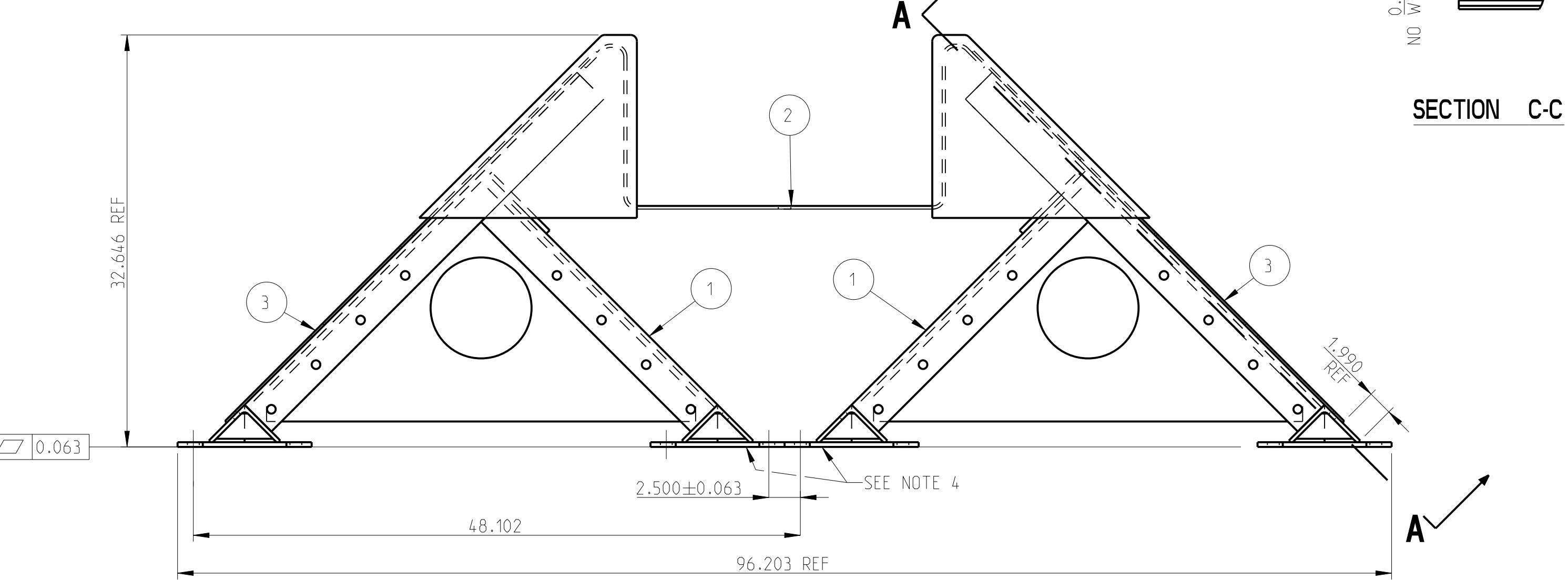
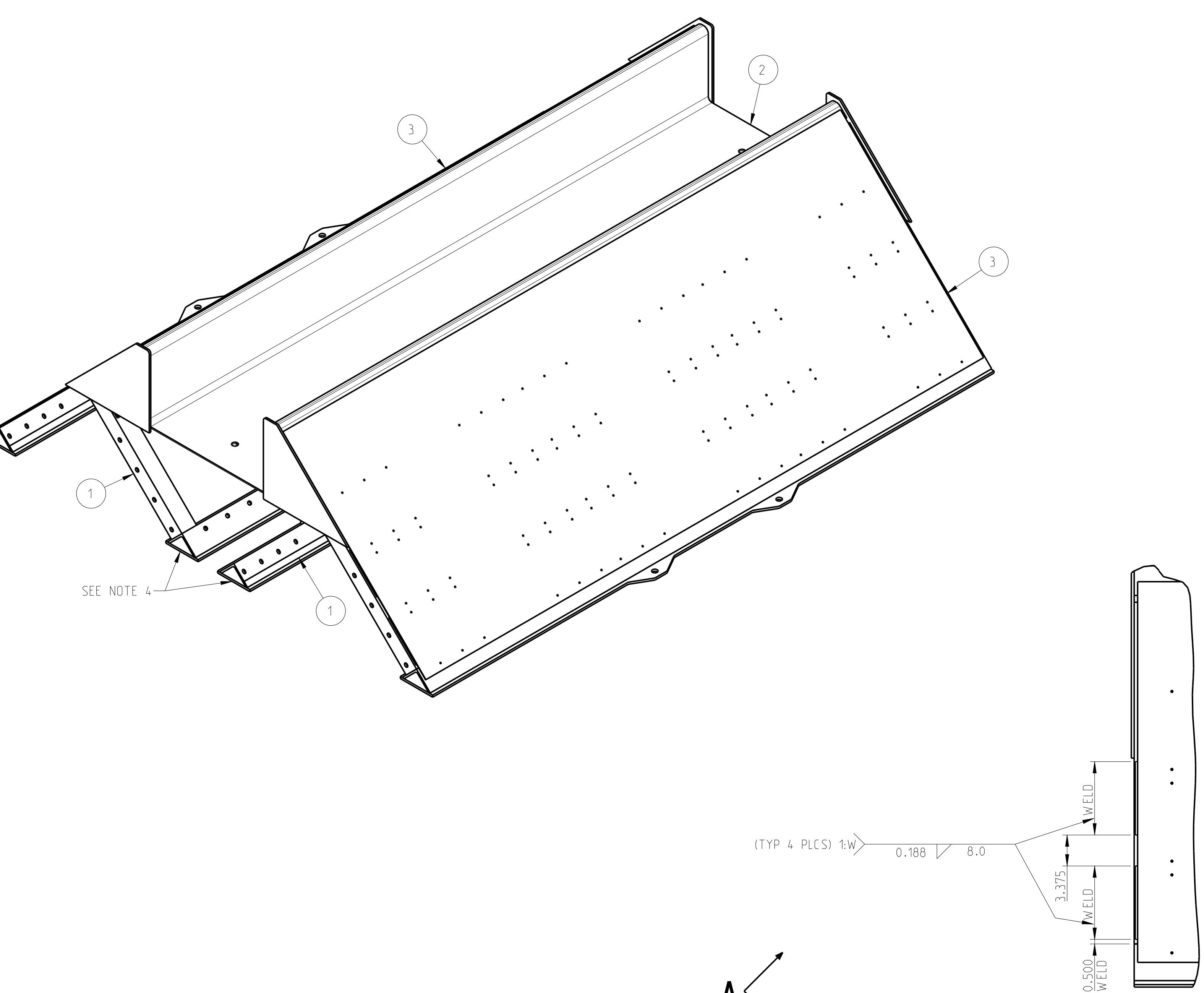
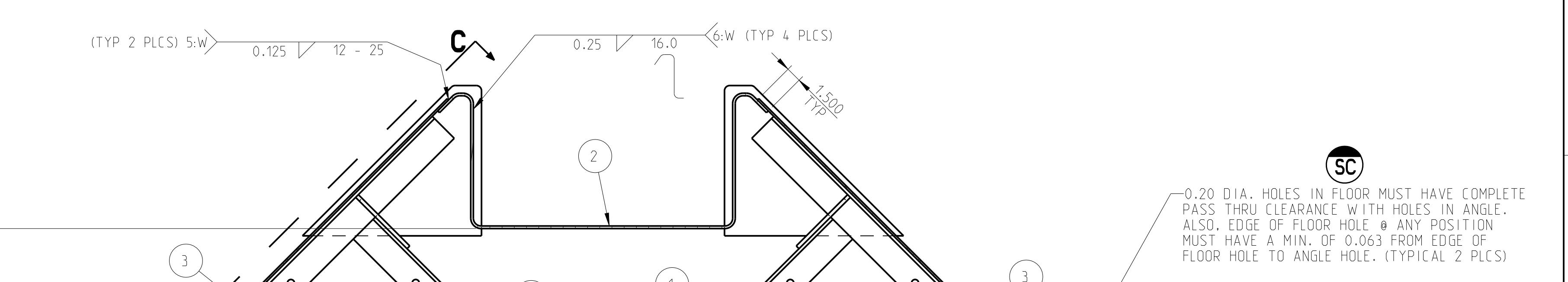


BILL OF MATERIAL

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

**SECTION A-A****SECTION C-C****SECTION B-B**

NOTE:

- ALL WELDING TO BE IN ACCORDANCE WITH RAILROAD WELDING SPECIFICATION AWS D5.1, LATEST REVISION, AND ASME CLASS 1 UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHERWISE NOTED, ALL WELD LENGTHS SHOWN ARE MINIMUM LENGTHS. WELD TERMINATIONS FOR FILLET WELDS MUST HAVE A MINIMUM EDGE DISTANCE OF 0.25.
- 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.
- 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

C 01-03-13 JA JAJ	FOR FUTURE ORDER, ADDED NOTE 4
B 10-16-12 JA	PER ECO D100124, UPDATED WELDS AND ADDED SECTION C-C.
A 10-10-12 JA	PER ECO D100122, ADDED NOTE 3 AND 2.500 HOLE LOCATION DIM. AT F-6.
Level Date Approved	Description

REVISIONS

FreightCar America

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Standard Tolerances (Unless Noted)

Decimal Dimensions ± 0.063 Diagonals ± 0.063 Hole Diameters ± 0.03

Angles $\pm 1^\circ$ Radii will be thicknesses of material

Tolerances are not accumulative

Made By: JW/BSTS Date: 10-01-12 Ref Dwg: -

Approved: GPJ Do Not Scale Drawing Est. Wt: 2246.62 lbs

ASSEMBLY, TROUGH, CENTER

Sheet 1 of 1 E A108904-000 Rev. C