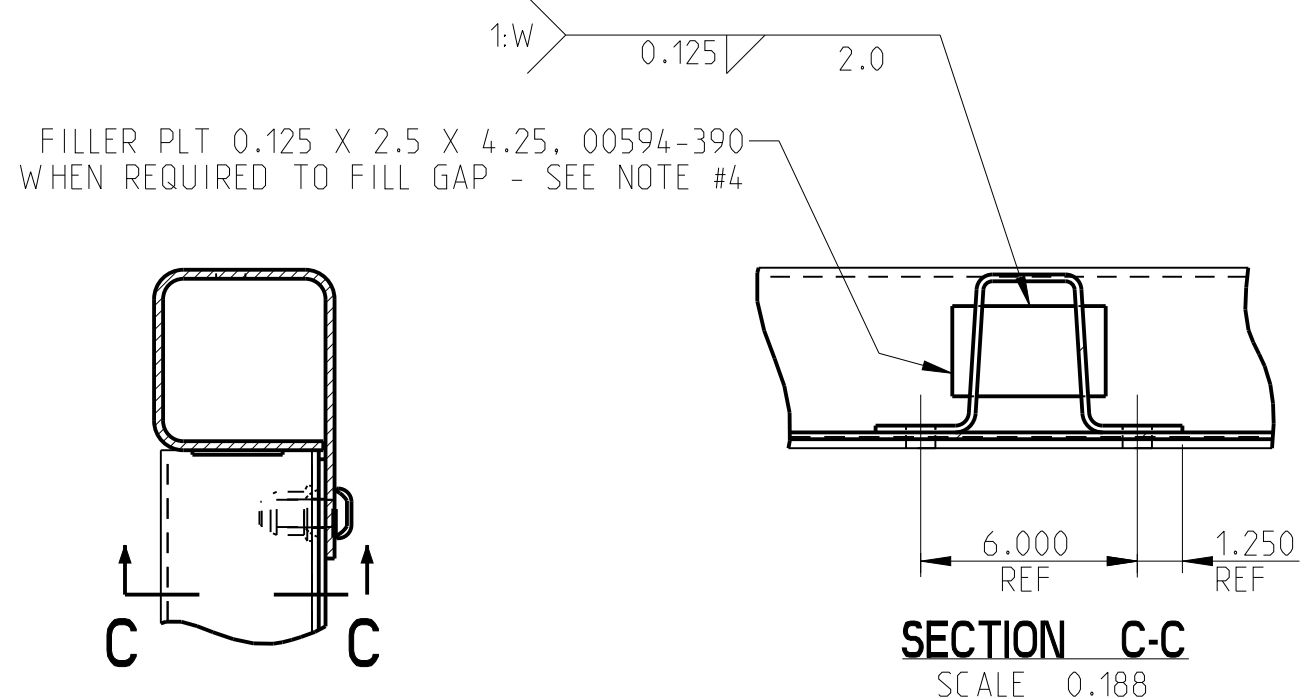
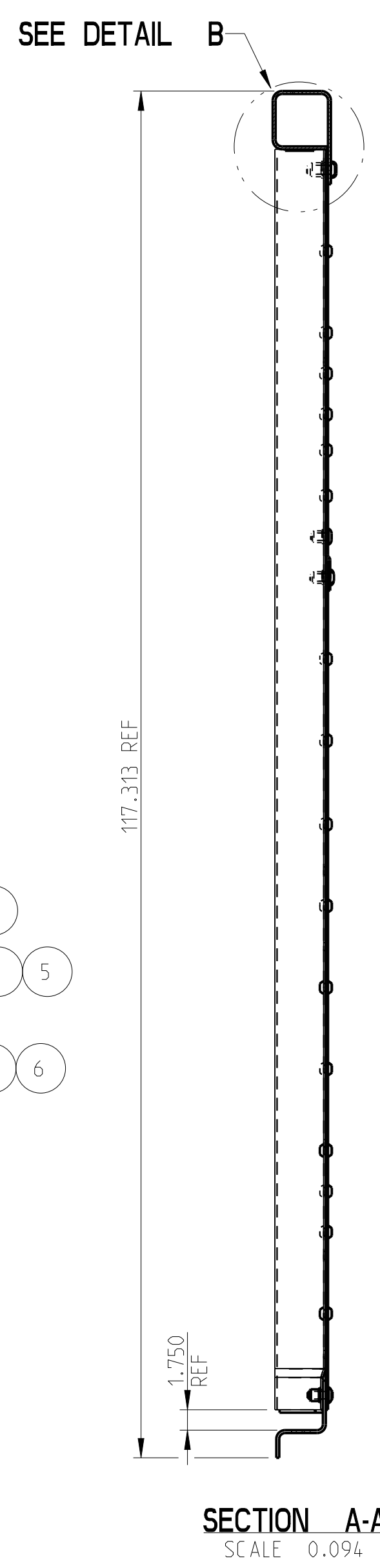


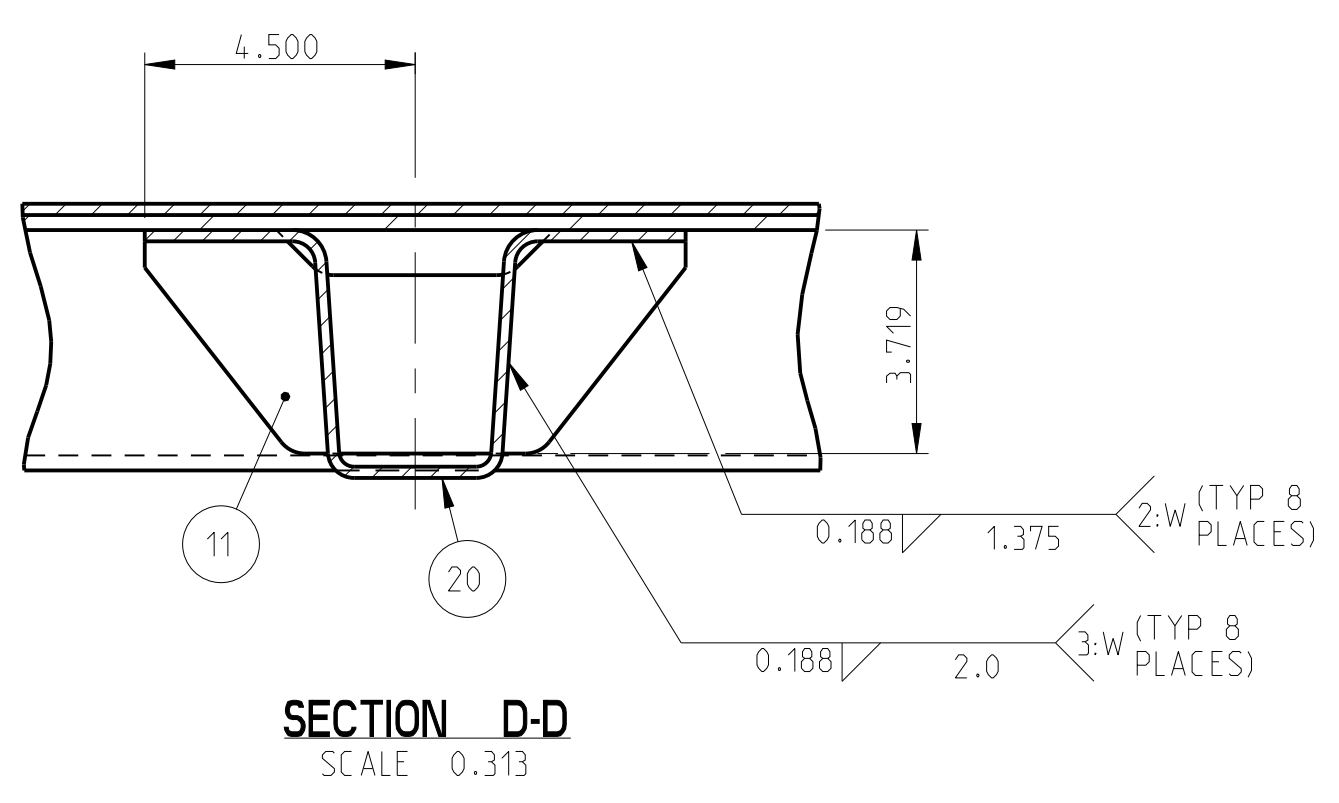
BILL OF MATERIAL			
Item No.	Part No.	Description	Quantity
1	10231-005	COLLAR, 3LC-2R24GL	14
2	10231-008	LOCKBOLT, C50L30-BR20-8Ga	8
3	10231-013	COLLAR, 3LC-2R20GAL	28
4	10231-039	LOCKBOLT, C50LR-BR24-12Ga	14
5	10231-197	LOCKBOLT, C30C-BR20-4GASS	4
6	10231-198	LOCKBOLT, C30C-BR20-8GASS	16
7	10254-018	RIVET, 5/8" DIA X 1 1/4" STEEL	22
8	10254-022	RIVET, 5/8" DIA X 1 1/8" SS	141
9	10254-028	RIVET, 3/4" DIA X 1 1/2" STEEL	43
10	M106965-000	SIDE STAKE, CROSSRIDGE	2
11	M107296-000	CAP, BOTTOM, INTERMEDIATE SIDE STAKE	4
12	M107614-006	SIDE SILL,	1
13	M107625-000	TOP CHORD, SIDE	1
14	M108955-000	SIDE SHEET, LOWER	1
15	M108956-000	SIDE SHEET, UPPER	1
16	M108957-010	SIDE STAKE, BOLSTER	1
17	M108957-020	SIDE STAKE, BOLSTER	1
18	M108958-010	SIDE STAKE, ADJACENT TO BOLSTER	1
19	M108958-020	SIDE STAKE, ADJACENT TO BOLSTER	1
20	M108959-000	SIDE STAKE, INTERMEDIATE	4



DETAIL B
SCALE 0.188

APPLICATION OF FILLER @ SIDE STAKE

SECTION A-A
SCALE 0.094



SECTION D-D
SCALE 0.313

- NOTES:
1. WHEN MOVING SIDE SHEETS FROM STOCKPILE, USE ROLLERS BETWEEN SHEETS.
 2. IF TWO MAN REAMERS ARE USED, HOLES MUST BE REAMED AT A 90° ANGLE TO ELIMINATE LEANING RIVETS.
 3. USED SIDE PROTECTOR BOARDS WHEN WALKING ON SIDES TO PROTECT FROM SCRATCHING, MARRING, AND SCUFFING.
 4. SIDE STAKES MUST BEAR AGAINST TOP CHORD.
 - A) GAPS BETWEEN THE TOP CHORD AND THE SIDE STAKES NEED NOT BE SHIMMED IF THE GAP IS LESS THAN 0.125.
 - B) IF THE GAP IS 0.125 OR GREATER, THEN A 0.125 X 2.5 X 4.25 STEEL PLATE IS TO BE APPLIED AND WELDED TO THE TOP CHORD PER "APPLICATION OF FILLER @ SIDE STAKE" VIEW.

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 ± 1°	
Radii will be thickness of material		Tolerances are not accumulative	
Made By: JAG	Date: 01-21-16	Ref Dwg: A108944-000	
Approved: JAG	Do Not Scale Drawing	Est. Wt: 4167.05 lbs	
ASSEMBLY, SIDE			
Size	Drawing / Part Number		Rev.
D	A108944-001		-