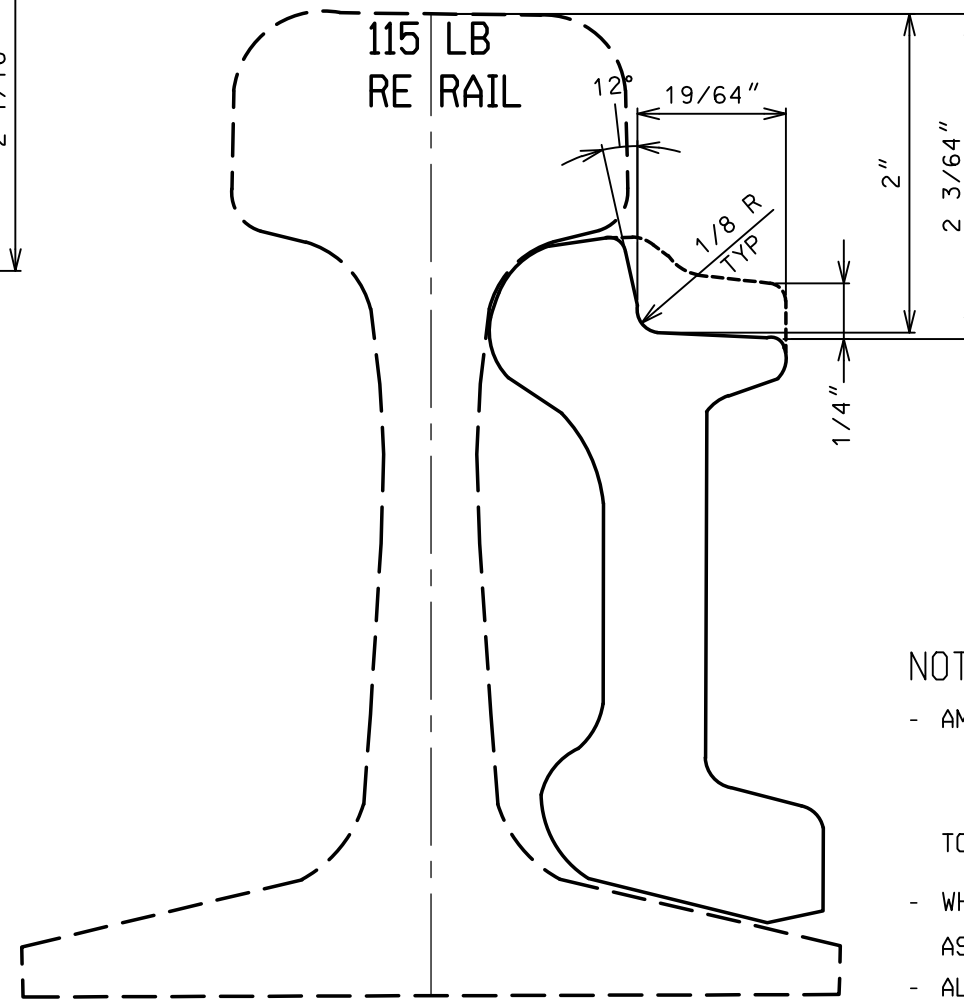


132/136 LB  
MODIFIED SPLICED BAR  
1209 A



115 LB  
MODIFIED SPLICED BAR  
1209 B

NOTES:

- AMOUNT TO BE PLANED OFF SPLICE BARS TO DRAWINGS:  
J10C-20.20 REVISED JULY 24,1953 FOR 115LB RE RAIL, AND  
J10C-20.26 REVISED AUG 17,1951 FOR 132LB RE RAIL, AND  
TO PROVIDE PLANGE CLEARANCE ON C.W.R. WORN TO CONDEMNING LIMIT.
- WHEN REFERRING TO MODIFIED SPLICE BARS DRAWING NO.MUST BE STATED AS "A" OF "B" TO INDICATE SPECIFIC BAR REQUIRED.
- ALL SHARP DGES TO BE ROUNDED OFF TO 1/8R
- \* DIMENSIONS MAY VARY ON WORN BARS.
- MODIFIED SPLICE BARS TO BE PAINTED ROYAL BLUE \*11 TO DIFFERENTIATE THEM FROM STANDARD SPLICE BARS.

PHYSICAL PROPERTIES OF ONE 136LB BAR	MAXIMUM	MINIMUM
SURFACE AREA	5.59 IN <sup>2</sup>	5.06 IN <sup>2</sup>
MOMENT OF INERTIA	14.42 IN <sup>4</sup>	13.92 IN <sup>4</sup>
SECTION MODULUS		
TOP	5.52 IN <sup>3</sup>	5.27 IN <sup>3</sup>
BOTTOM	5.86 IN <sup>3</sup>	5.73 IN <sup>3</sup>
NEUTRAL AXIS		
TOP	2.61 IN	2.64 IN
BOTTOM	2.46 IN	2.43 IN
NET WEIGHT OF BAR	52.43 LB	

PHYSICAL PROPERTIES OF ONE 115LB BAR	MAXIMUM	MINIMUM
SURFACE AREA	5.00 IN <sup>2</sup>	4.55 IN <sup>2</sup>
MOMENT OF INERTIA	10.35 IN <sup>4</sup>	10.02 IN <sup>4</sup>
SECTION MODULUS		
TOP	4.48 IN <sup>3</sup>	4.34 IN <sup>3</sup>
BOTTOM	4.50 IN <sup>3</sup>	4.35 IN <sup>3</sup>
NEUTRAL AXIS		
TOP	2.31 IN	2.31 IN
BOTTOM	2.30 IN	2.35 IN
NET WEIGHT OF BAR	47.81 LB	

METRIC CONVERSION: 1 inch=25.4mm, 1 foot=304.8mm

0	18/08/31	REVISED PDF VERSION ESTABLISHED	
No.	Date	Revision	By Approved

Standard/ **MACHINED HEAD FREE  
RAIL SPLICE BAR  
FOR WORN 115, 132 AND 136 LB. R.E. RAILS**

Drawn MG Checked GGS Approved *[Signature]*  
VP Engineering & Asset Management



Date AUG 31/2018 Plan Number GTS-1209A/B Rev 0