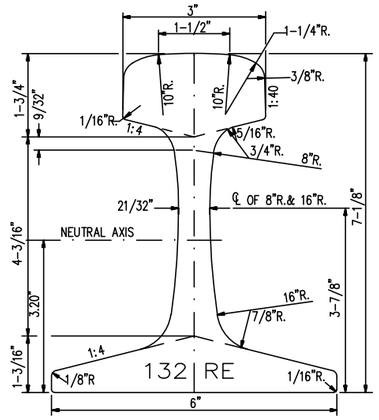
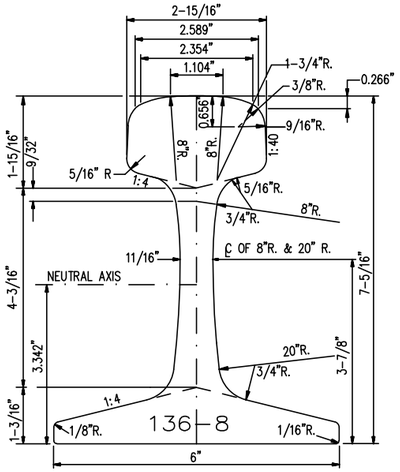
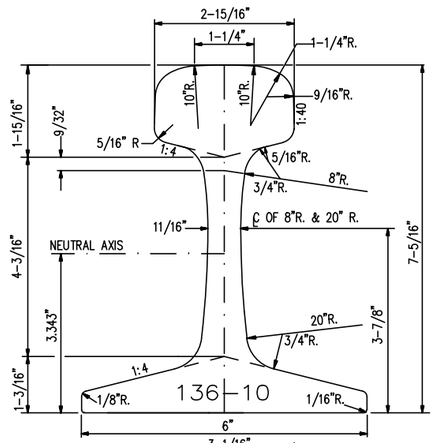
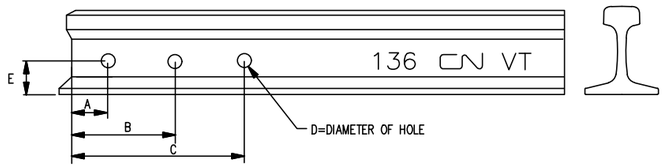
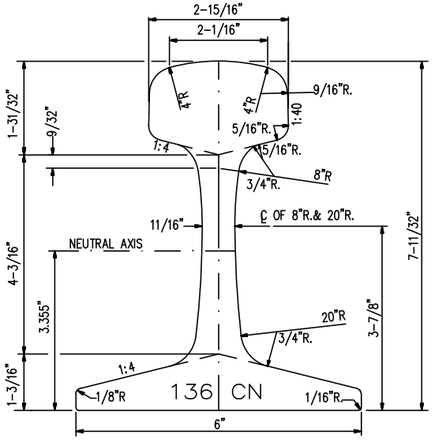


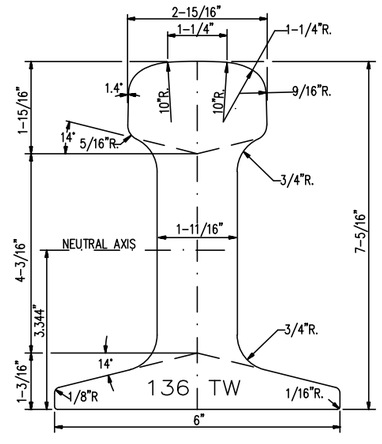


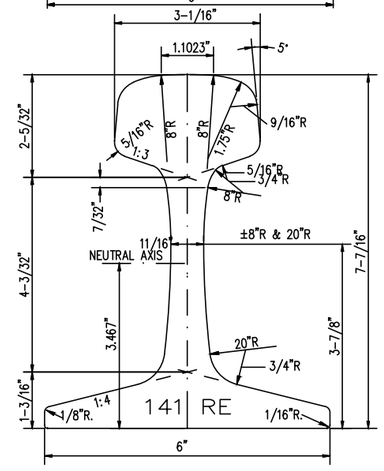




DRILLING DATA FOR RAILS						
WEIGHT AND SECTION	A ±1/32"	B +1/32"	C ±1/32"	D +1/16"	E +1/32"	SPACING
132 RE, 136-8, 136-10 & 136 CN	3-1/2"	9-1/2"	15-1/2"	1-5/16"	3-3/32"	3-1/2" : 6": 6"







		132 RE	136-8	136-10	136 CN	136 TW	141 RE
MOMENT OF INERTIA	IN.^{4}	87.89	94.20	94.27	94.88	100.75	100.437
SECTION MODULUS HEAD	IN.^{3}	22.45	23.70	23.75	23.79	25.38	25.24
SECTION MODULUS BASE	IN.^{3}	27.38	28.20	28.20	28.28	30.14	28.97
CALCULATED WEIGHT	LB./YD.	131.70	135.80	135.85	136.48	177.14	140.70
AREA: HEAD	IN.^{2}	4.53	4.82	4.81	4.85	4.82	5.37
AREA: WEB	IN.^{2}	3.35	3.65	3.65	3.65	7.67	3.56
AREA: BASE	IN.^{2}	5.03	4.87	4.87	4.87	4.88	4.87
AREA: TOTAL	IN.^{2}	12.91	13.34	13.32	13.37	17.37	13.81
NEUTRAL AXIS ABOVE BASE	IN.	3.21	3.342	3.343	3.355	3.344	3.467
LATERAL MOMENT OF INERTIA	IN.^{4}	14.36	14.36	14.44	14.47	16.24	14.91
LATERAL SECTION MODULUS HEAD	IN.^{3}	9.57	9.78	9.83	9.85	11.06	9.74
LATERAL SECTION MODULUS BASE	IN.^{3}	4.79	4.79	4.81	4.82	5.41	4.97
HEIGHT OF SHEAR CENTRE ABOVE BASE	IN.	1.57	1.69	1.64	1.64	1.88	1.88
TORSIONAL RIGIDITY IS "KG" WHERE G IS THE MODULUS OF RIGIDITY. (ERROR FOR K GREATER THAN 10 %)	K=	5.31	4.94	6.33	6.33	10.27	5.97

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

No.	Date	Revision	By Approved
2	22/08/30	REVISED "136 GO" TO "136 CN"	
1	18/07/27	ADDED IMPERIAL TO METRIC CONVERSION NOTE	

Standard

RAIL SECTIONS
FOR RAILS WITH 6 INCH RAIL BASE
132 RE, 136-8, 136-10, 136 CN, 136 TW & 141 RE

Drawn OH Checked SJ Approved Chief Engineer

METROLINX

Date SEP 15/2017 Plan Number GTS-1111 Rev 2

REFERENCE: TS-1111_SH1_R9