



TURNOUTS	SWITCH AREA						CLOSURE AREA											FROG AREA								
	LENGTH OF POINT	LEAD	SWITCH ANGLE	BEND TO POINT OF SWITCH	HEEL SPREAD	HS TO BE ON CURVE CLOSURE RAIL	DISTANCE AND OFFSET FOR CLOSURE RAIL ON GAUGE LINES					DISTANCE FROM P.S. TO P.I.	RADIUS ON E. OF TURNOUT	DEGREE OF CURVE ON E. OF T/O	LENGTH OF STRAIGHT CLOSURE RAIL	LENGTH OF CURVED CLOSURE RAIL	FROG ANGLE	FROG TOE SPREAD	FROG HEEL SPREAD	LENGTH OF FROG	TOE OF FROG TO 1/2" POINT	1/2" POINT TO HEEL OF FROG	TOE OF FROG TO END OF CURVE	LENGTH OF GAUGE RAIL	MINIMUM RECOMMENDED SPEED THRU TURNOUTS IN T.O.H.	
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	㉕	
*12 85LB.	22'-0"	98'-1"	1° 16' 31"	1'-4 7/8"	6 1/4"	3-13/16"	39'-3"	1'-0 3/8"	56'-6"	1'-9 23/32 "	73'-9"	2'-10 7/32 "	41'-1"	1123.08'	5° 06' 12"	69'-0"	69'-1 1/2"	4° 46' 19"	6 37/64"	11"	17'-7"	7'-1"	10'-6"	0"	11'-0"	15
*12 100LB.	22'-0"	98'-1"	1° 16' 31"	1'-4 7/8"	6 1/4"	3-13/16"	39'-3"	1'-0 3/8"	56'-6"	1'-9 23/32 "	73'-9"	2'-10 7/32 "	41'-1"	1123.08'	5° 06' 12"	69'-0"	69'-1 1/2"	4° 46' 19"	6 37/64"	11"	17'-7"	7'-1"	10'-6"	0"	11'-0"	15
*12 115LB.	22'-0"	98'-1"	1° 16' 31"	1'-4 7/8"	6 1/4"	3-13/16"	39'-3"	1'-0 3/8"	56'-6"	1'-9 23/32 "	73'-9"	2'-10 7/32 "	41'-1"	1123.08'	5° 06' 12"	69'-0"	69'-1 1/2"	4° 46' 19"	6 37/64"	12 27/64"	19'-0"	7'-1"	11'-11"	0"	11'-0"	15
*12 132LB.	22'-0"	98'-1"	1° 16' 31"	1'-4 7/8"	6 1/4"	3-13/16"	39'-3"	1'-0 3/8"	56'-6"	1'-9 23/32 "	73'-9"	2'-10 7/32 "	41'-1"	1123.08'	5° 06' 12"	69'-0"	69'-1 1/2"	4° 46' 19"	6 37/64"	12 27/64"	19'-0"	7'-1"	11'-11"	0"	11'-0"	15
*12 136LB.	22'-0"	98'-1"	1° 16' 31"	1'-4 7/8"	6 1/4"	8- 3/8"	39'-1 1/2"	1'-0 9/32"	56'-3"	1'-9 1/2"	73'-4 1/2"	2'-9 7/8"	41'-1"	1110.78'	5° 09' 36"	49'-6 1/2"	49'-8 1/8"	4° 46' 19"	9 5/8"	1'-3 5/8 "	25'	10'-1 1/2"	14'-10 1/2"	21'- 6 3/4"	20'-7"	15

LEGEND

- P.S. - POINT OF SWITCH
- P.A. - POINT OF ANGLE
- S.A. - SWITCH ANGLE
- H.S. - HEEL OF SWITCH
- P.C.C. - POINT CHANGE OF CURVE
- B.C. - BEGINNING OF CURVE
- E.C. - END OF CURVE
- P.I. - POINT OF INTERSECTION
- T.F. - TOE OF FROG
- H.F. - HEEL OF FROG
- P.F. - POINT OF FROG
- T.P. - THEORETICAL POINT

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

No.	18/07/27	ADDED IMPERIAL TO METRIC CONVERSION NOTE	By Approved
-----	----------	--	-------------

Standard / **GEOMETRY FOR NO. 12 TURNOUTS**

Drawn RFP Checked RP Approved *[Signature]* VP Engineering & Asset Management



Date SEPT 15/2017 Plan Number GTS-0003 Rev 1