



TURNOUT NO.	SWITCH AREA					CLOSURE AREA											FROG AREA								
	LENGTH OF POINT	LEAD	POINT ANGLE	P.S. TO H.S.	HEEL SPREAD	DISTANCE AND OFFSET FOR CLOSURE RAIL ON GAUGE LINES						DISTANCE FROM P.S. TO P.I.	POINTS ON & OFF 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 GROUND RAIL	MAXIMUM RECOMMENDED SPEED FOR TURNOUTS IN MPH
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	
*12 115LB	36'-5"	98'-1"	0°26'15"	27'-4 1/16"	6 1/4"	43'-3"	1'-1 11/32"	59'-2"	1'-10 31/32"	75'-1"	2'-11 5/32"	41'-1"	1195.45'	4°47'39"	47'-5"	47'-6 1/2"	4°46'19"	1'-1 35/64"	1'-5 25/32"	31'-6"	14'-3"	17'-3"	6'-1 1/4"	11'-0"	25
*12 136LB	36'-7"	98'-1"	0°26'15"	27'-4 1/16"	6 1/4"	43'-1 1/2"	1'-1 9/32"	58'-10 15/16"	1'-10 51/64"	74'-8 3/8"	2'-10 27/32"	41'-1"	1195.45'	4°47'39"	515"	515 3/8"	4°46'19"	9 5/8"	13 5/8"	25'	10'1 1/2"	14'-10 1/2"	2'6 3/4"	20'7"	25

LEGEND

P.S. = POINT OF SWITCH
P.A. = POINT OF ANGLE
H.S. = HEEL SWITCH
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

TABLE FOR SPRING FROGS ONLY

TURNOUT No.	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
	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓
*12 136LB	51'-5"	51'-5 7/8"	4°46'19"	1'-4 3/4"	1'-3 13/32"	32'-2"	17'-3"	14'-11"	9'-8 1/4"

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

No.	Date	Revision	By	Approved
1	18/07/27	ADDED IMPERIAL TO METRIC CONVERSION NOTE		

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

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

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

REFERENCE: TS-0003A R2 Sheet 1 OF 1

