



NOTES

1- TURNOUT TO BE INSTALLED AND MAINTAINED IN ACCORDING WITH THE LATEST ISSUE OF THE STANDARD PRACTICE CIRCULAR.

2- WHEN REFERRING TO POWER OPERATED TURNOUTS, DRAWING NUMBER MUST BE STATED AS A, B,C OR D:
A-RIGHT HAND TURNOUT P.O. MACHINE ON RIGHT
B-RIGHT HAND TURNOUT P.O. MACHINE ON LEFT
C-LEFT HAND TURNOUT P.O. MACHINE ON RIGHT
D-LEFT HAND TURNOUT P.O. MACHINE ON LEFT

3- FOR THE VARIOUS STANDARD TURNOUT COMBINATIONS SEE INDEX SHEET GTS-0000 SHEETS

4- TURNOUT GEOMETRY, FOR TABLES OF DIMENSIONS AND OFFSETS SEE GTS-0003A NO 12 ALL WELDED TURNOUTS.

TURNOUT DATA

FROG No.	12
LENGTH OF SWITCH	1151 (36'-7")
HEEL SPREAD	159 (6 1/4")
LEAD	29896 (98'-1")
P.S. TO H.F.	35535 (116'-7")
14580 (47'-10") STRAIGHT CLOSURE LENGTHS MADE UP BY A 14580 (47'-10") RAIL OR: A 11887 (39') AND 2693 (8'-10") RAIL A 10973 (36') AND 3607 (11'-10") RAIL	
14602 (47'-10 7/8") CURVED CLOSURE LENGTHS MADE UP BY A 14602 (47'-10 7/8") RAIL OR: A 7910 (25'-11 7/8") , 3658 (12'-0") AND 30349 (9'-11 7/16")	

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

No.	1	Date	18/07/27	Revision	ADDED IMPERIAL TO METRIC CONVERSION NOTE	By Approved
Standard/ NO. 12 TURNOUT-36'7" POWER OPERATED-SAMSON POINT SWITCH UNIFORM RISER DESIGN- ALL WELDED RAIL R.B.M. FROG-136LB. R.E. RAIL-CONCRETE TIES						
Drawn	MG	Checked	GGG	Approved	<i>[Signature]</i> Engineering & Asset Management	
Date	DEC 15, 2017	Plan Number	GTS-0270	Rev	1	
REFERENCE: TS-270 A/D						Sheet 1 OF 1

108	SPRING WASHER for 7/8" DIA. BOLT	GTS-1301	-	24	24	24	24
109	DOUBLE WASHER	GTS-0354	M-9	12	12	12	12
110	DOUBLE NUT	GTS-0354	M-10	12	12	12	12
111	1" DIA. - 8 UNC SQ. HEAD SW. NECK CARRIAGE BOLT X 5"LG.	GTS-1307/3	-	4	4	4	4
112	SPRING WASHER for 1" DIA. BOLT	GTS-1301	-	4	4	4	4
113	LOCKNUT FOR 1 - 1/8" DIA. - 8 UNC BOLT	GTS-1302	-	4	4	4	4
* CRANK ASSIST MECHANISM SHOWN IS REQUIRED ON THIS T/O AND MUST BE ORDERED THROUGH THE SIGNAL & COMMUNICATION FUNCTION **							
** FOR RIGHT HAND T/O CONCRETE TIE SET SEE GGTS - 2010 SH. 1 OF 2 **							
** FOR LEFT HAND T/O CONCRETE TIE SET SEE GGTS - 2010 SH. 2 OF 2 **							
TURNOUT NUMBER	TURNOUT PACKAGES DESCRIPTION	QUANTITY PER TURNOUT					
GTS - 270A	FROG RBM 12 - 136	1					
	SW-PK INS 36-7 SAM PO NO. 12A - 136 LBS.	1					
	GR-PK VANGUARD 136	1					
	FR-PK RBM 12 - 136	1					
GTS - 270B	FROG RBM 12 - 136	1					
	SW-PK INS 36-7 SAM PO NO. 12B - 136 LBS.	1					
	GR-PK VANGUARD 136	1					
	FR-PK RBM 12 - 136	1					
GTS - 270C	FROG RBM 12 - 136	1					
	SW-PK INS 36-7 SAM PO NO. 12C - 136 LBS.	1					
	GR-PK VANGUARD 136	1					
	FR-PK RBM 12 - 136	1					
GTS - 270D	FROG RBM 12 - 136	1					
	SW-PK INS 36-7 SAM PO NO. 12D - 136 LBS.	1					
	GR-PK VANGUARD 136	1					
	FR-PK RBM 12 - 136	1					
ABBREAVATIONS							
SW - PK - SWITCH PAK		SAM - SAMSON		SGM - SELF GUARD MANGANESE			
FR - PK - FROG PAK		HO - HAND OPERATED		RBM - RAIL BOUND MANGANESE			
GR - PK - GUARD RAIL PAK		SO - SPRING OPERATED					
INS - INSULATED		PO - POWER OPERATED					
NOTE: 1 - For a new installation, necessary rail, bonded insulated joinGTS, splice bars, bolGTS, washers, rail anchors, connecting rod, switch stand, targe and reflectorized target kit may be required in addition to the materials listed above							
BILL OF SWITCH TIES FOR HAND AND SPRING OPERATION							
TIES 180 X 230 mm (7" X 9")							
LENGTH							
METRES	FEET/INCHES	NO. OF PIECES					
2.8	9' - 0"	16					
3.1	10' - 0"	9					
3.4	11' - 0"	6					
3.7	12' - 0"	6					
4.0	13' - 0"	4					
4.3	14' - 0"	5					
4.6	15' - 0"	5					
4.9	16' - 0"	6					
TOTAL NUMBER OF TIES - 57							