



- NOTES:**
- TURNOUT TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE LATEST ISSUE OF THE RM.
 - WHEN REFERRING TO TURNOUTS, DRAWING NUMBER MUST BE STATED AS "A" TO "P" TO INDICATE:
 - A- RIGHT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON RIGHT- RBM FROG
 - B- RIGHT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON LEFT- RBM FROG
 - C- LEFT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON RIGHT- RBM FROG
 - D- LEFT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON LEFT- RBM FROG
 - E- RIGHT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON RIGHT- SPRING FROG
 - F- RIGHT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON LEFT- SPRING FROG
 - G- LEFT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON RIGHT- SPRING FROG
 - H- LEFT HAND TURNOUT- POWER OPERATED SWITCH- MACHINE ON LEFT- SPRING FROG
 - I- RIGHT HAND TURNOUT- HAND OPERATED SWITCH- RBM FROG
 - J- LEFT HAND TURNOUT- HAND OPERATED SWITCH- RBM FROG
 - K- RIGHT HAND TURNOUT- HAND OPERATED SWITCH- SPRING FROG
 - L- LEFT HAND TURNOUT- HAND OPERATED SWITCH- SPRING FROG
 - M- RIGHT HAND TURNOUT- SPRING SWITCH- RBM FROG
 - N- LEFT HAND TURNOUT- SPRING SWITCH- RBM FROG
 - O- RIGHT HAND TURNOUT- SPRING SWITCH- SPRING FROG
 - P- LEFT HAND TURNOUT- SPRING SWITCH- SPRING FROG
 - FOR OTHER TURNOUT COMBINATIONS SEE INDEX GTS-0000 SHEETS 1 TO 3.
 - TURNOUT GEOMETRY, FOR TABLES OF DIMENSIONS AND OFFSETS SEE GTS-0003 NO.12 TURNOUTS.
 - SWITCH STANDS ON HAND & SPRING OPERATED TURNOUTS ARE NORMALLY LOCATED ON THE DIVerging SIDE. PRE-ASSEMBLED TURNOUTS SHALL FOLLOW THIS ARRANGEMENT UNLESS OTHERWISE SPECIFIED WHEN ORDERING.

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 / **NO. 12 TURNOUT-115 LB. R.E. RAIL
22"0" SAISON POINT SWITCH
UNIFORM RISER DESIGN
WOOD TIES**

Drawn MG Checked GGS Approved VP Engineering & Asset Management

METROLINX

Date SEPT 15/2017 Plan Number GTS-0012AP Rev 1

REFERENCE: TS-0012AP_R1 Sheet 1 OF 1

BILL OF MATERIALS FOR GTS-0012

ITEM	DESCRIPTION	STANDARD DRAWING	MARK NUMBER	QUANTITY															
				A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	FROG PLATE (LEFT HAND)	GTS-0618	FP572L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
74	FROG PLATE	GTS-0622	FP573	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
75	SWITCH PLATE	GTS-0617	SP608F	46	46	46	46	46	46	46	46	46	46	46	46	46	46		
76	SPRING WASHER for 1-3/8" DIA BOLT	GTS-1301	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
77	1-3/8" DIA. - 6 UNC SQ. HD. BOLT X 9-1/2" LG. C/W SQ. NUT	GTS-1309/100	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
78	1-3/8" DIA. - 6 UNC SQ. HD. BOLT X 10" LG. C/W SQ. NUT	GTS-1309/101	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
79	1-3/8" DIA. - 6 UNC SQ. HD. BOLT X 10-1/2" LG. C/W SQ. NUT	GTS-1309/102	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
80	TRACK SPIKE - 6" LONG	GTS-1325	-	250	250	250	250	250	250	250	250	250	250	250	250	250	250		
81	HEAD WASHER	GTS-0837G	837G	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
82	END CASTING - RIGHT HAND 115 LB. R.E.	GTS-0847	FG2-S	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
83	END CASTING - LEFT HAND 115 LB. R.E.	GTS-0847	FG3-S	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
84	TAIL WASHER (BEVELLED)	GTS-0837B	837B	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
85	TAIL WASHER (NOT BEVELLED)	GTS-0837H	837H	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
86	ADJUSTABLE BLOCK 115 LB. R.E.	GTS-0847	FG1-S	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
SWITCH PACKS																			
	Power Operated - Right Hand Turnout - Machine on Right																		
	Power Operated - Right Hand Turnout - Machine on Left																		
	Power Operated - Left Hand Turnout - Machine on Right																		
	Power Operated - Left Hand Turnout - Machine on Left																		
	Hand Operated - Right Hand Turnout																		
	Hand Operated - Left Hand Turnout																		
	Spring Switch - Right Hand Turnout																		
	Spring Switch - Left Hand Turnout																		
FROG PACKS																			
	RBM - Right Hand Turnout																		
	RBM - Left Hand Turnout																		
FROG PACKS continued																			
	SGM - Right Hand Turnout																		
	SGM - Left Hand Turnout																		
	Spring - Right Hand Turnout																		
	Spring - Left Hand Turnout																		
GUARD RAIL PACKS																			
	RBM / Spring - Right Hand Turnout																		
	RBM / Spring - Left Hand Turnout																		
SWITCH TIES																			
	9 ft (2.8 m)			20	20	20	20	20	20	20	20	20	20	20	20	20	20		
	10 ft (3.1 m)			12	12	12	12	12	12	12	12	12	12	12	12	12	12		
	11 ft (3.4 m)			9	9	9	9	9	9	9	9	9	9	9	9	9	9		
	12 ft (3.7 m)			10	10	10	10	10	10	10	10	8	8	8	8	8	8		
	13 ft (4.0 m)			7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	14 ft (4.3 m)			7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	15 ft (4.6 m)			7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	16 ft (4.9 m)			7	7	7	7	7	7	7	7	9	9	9	9	9	9		