



NOTES:

- 1- ALL DIMENSIONS ARE IN INCHES.
STANDARD BOLT AND NUT DIMENSIONS OBTAINED FROM CANADIAN STANDARD ASSOCIATION.
- 2- *-INDICATES A "SPECIAL" NON-STANDARD DIMENSION.
- 3- BOLTS AND NUTS ARE TO BE MANUFACTURED AS DIMENSIONED AND IN ACCORDANCE WITH THE CORRESPONDING SPECIFICATION. :

SPEC. KEY NO.	SPEC. NO.	DATED	DESCRIPTION
1	11-1D	AUG.'87	HEAT-TREATED CARBON-STEEL FROG, GUARD RAIL AND DIAMOND CROSSING BOLTS, AND CARBON-STEEL AND NUTS
2	11-2C	AUG.'87	NON-HEAT TREATED FROG AND SWITCH BOLTS AND CARBON-STEEL NUTS
3	12-1D	AUG.'87	HEAT-TREATED CARBON-STEEL TRACK BOLTS AND CARBON-STEEL NUTS

SQUARE BOLT														HEXAGON NUT									
ITEM NO.	NOMINAL SIZE	A		B			C		D			E	F	THDS. PER INCH	G			H		J			SPEC. KEY NO.
		BODY DIAMETER		WIDTH ACROSS FLATS			WIDTH ACROSS CORNERS		HEIGHT OF HEAD UNFINISHED						WIDTH ACROSS FLATS			WIDTH ACROSS CORNERS		THICKNESS OF NUT			
		MAX.	MIN.	NOM.	MAX.	MIN.	MAX.	MIN.	NOM.	MAX.	MIN.				NOM.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	NOM.	
1	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	4-1/4 ±1/8	1-3/4 + 1/4	10	1-1/4	1.250	1.212	1.443	1.382	47/64	0.758	0.710	1
2																							
3																							
4																							
5																							
6	1	1.022	0.986	1-1/2	1.500	1.450	1.121	1.991	21/32	0.684	0.628	3-1/2 ±1/8	2-1/4 + 5/16	8	1-5/8	1.625	1.575	1.876	1.796	63/64	1.012	0.956	1
7	1	1.022	0.986	1-1/2	1.500	1.450	1.121	1.991	3/8 *	0.395	0.355	3-1/2 ±1/8	2-1/4 + 5/16	8	1-5/8	1.625	1.575	1.876	1.796	63/64	1.012	0.956	1
8																							
9																							
10																							
11	1-1/8	1.149	1.110	1-11/16	1.687	1.631	2.386	2.239	3/4	0.780	0.720	4 ±1/8	2-1/2 + 11/32	7	1-13/16	1.812	1.756	2.093	2.002	1-7/64	1.139	1.079	1
12	1-1/8	1.149	1.110	1-11/16	1.687	1.631	2.386	2.239	3/4	0.780	0.720	7-1/2 ±1/8	3 + 11/32	7	1-13/16	1.812	1.756	2.093	2.002	1-7/64	1.139	1.079	1
13	1-1/8	1.149	1.110	1-11/16	1.687	1.631	2.386	2.239	3/4	0.780	0.720	8 ±1/8	3 + 11/32	7	1-13/16	1.812	1.756	2.093	2.002	1-7/64	1.139	1.079	1
14	1-1/8	1.149	1.110	1-11/16	1.687	1.631	2.386	2.239	3/4	0.780	0.720	10 ±1/8	3 + 11/32	7	1-13/16	1.812	1.756	2.093	2.002	1-7/64	1.139	1.079	1

NUMBER LEGEND:

TRACK STANDARDS-DRAWING NUMBER.
 ITEM NUMBER (SPECIFIC BOLT SIZE REQUIRED).
 GTS-1303/3

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

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

Standard / **SQUARE BOLT / HEXAGON NUT**

Drawn SMC Checked DGRL Approved VP Engineering & Asset Management



Date SEPT 15/2017 Plan Number GTS-1303 Rev 1