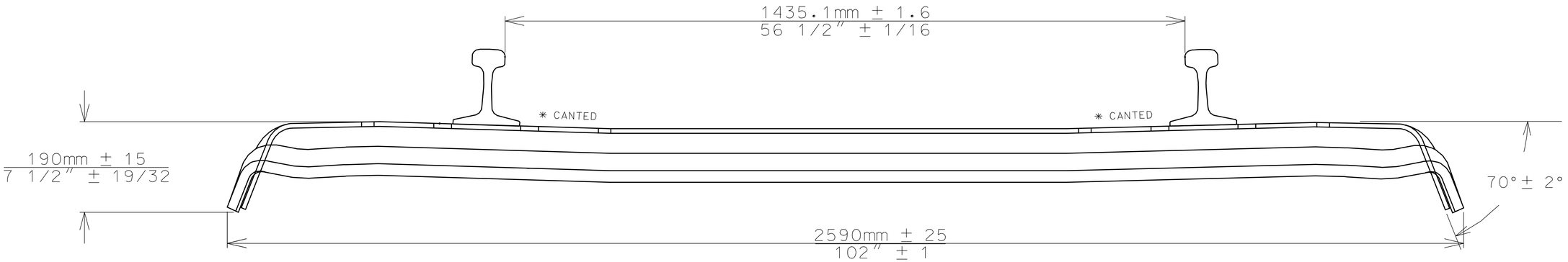
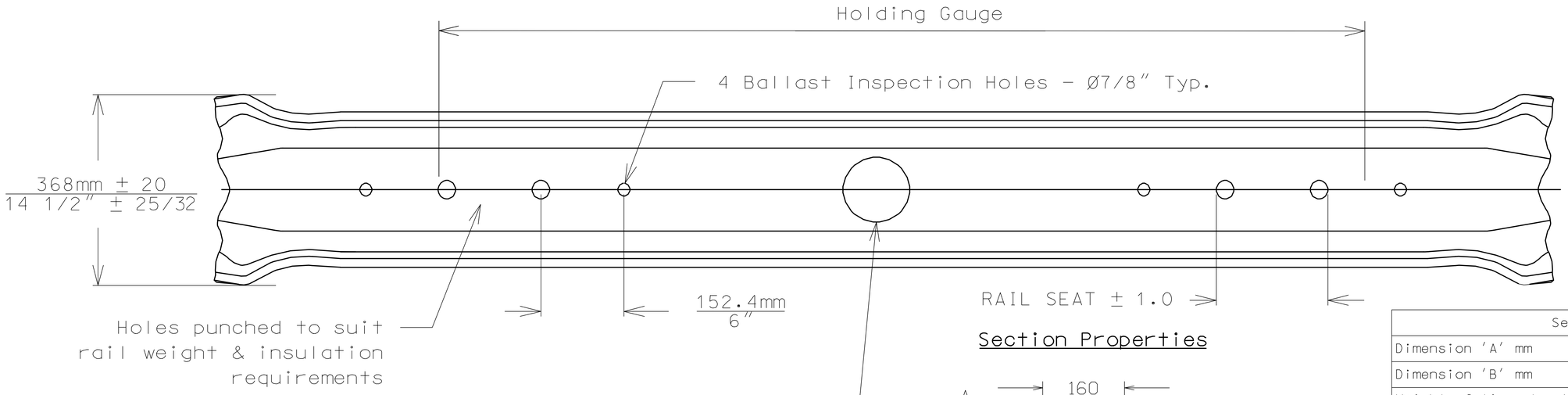
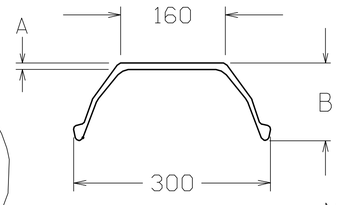




Stamp Detail

Section Properties

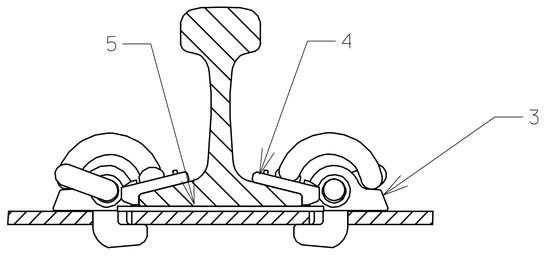


Section:	H12
Dimension 'A' mm	12
Dimension 'B' mm	120
Weight of tie - kg / lb	96.2/212
Weight of bar - kg/m	35.3
Yield strength - MPa (min)	345
Section moduli - Z Top*10^3mm^3	175
- Z Bot*10^3mm^3	88.4

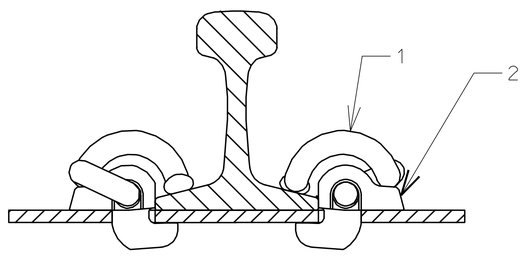
No.	'e' TYPE ASSEMBLY COMPONENTS	PART No.
1	'e' TYPE RAIL CLIP	'e' CLIP
2	NARSTCO CAST HOOK-IN SHOULDER (12mm)	4080
3	NARSTCO CAST HOOK-IN SHOULDER (12mm)	4030
4	INSULATOR	
5	RAIL PAD	

NOTE:

* Rail seat area canted to specification i.e. 1:20, 1:30, 1:40



Typical Insulated Rail Assembly



Typical Uninsulated Rail Assembly

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

No.	Date	Revision	By Approved
0	18/08/31	REVISED PDF VERSION ESTABLISHED	

Standard

H12 STEEL TIE
FOR INSULATED AND UNINSULATED APPLICATIONS WITH 'e' CLIP FASTENING SYSTEM AND 190mm DEEP SPADE

Drawn MG Checked GGS Approved VP Engineering & Asset Management

METROLINX

Date AUG 31, 2017 Plan Number GTS-2101 Rev 0

REFERENCE:

Sheet 1 OF 1