

APPENDIX 'E'

MTI STANDARDS- GROUND MOUNT SIGN

**BREAKAWAY DETAILS FOR
I-BEAM SIGN POSTS
(WITH SCREW ANCHOR FOUNDATIONS)**

Traffic Engineering

ISSUE DATE: JULY 1999

REVISED: FEB 2000

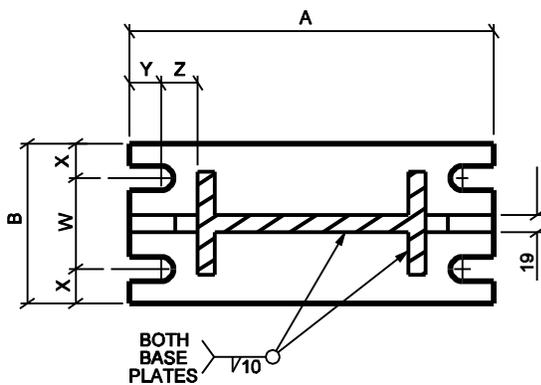
SC-1

Aluminum Post Foundation Data

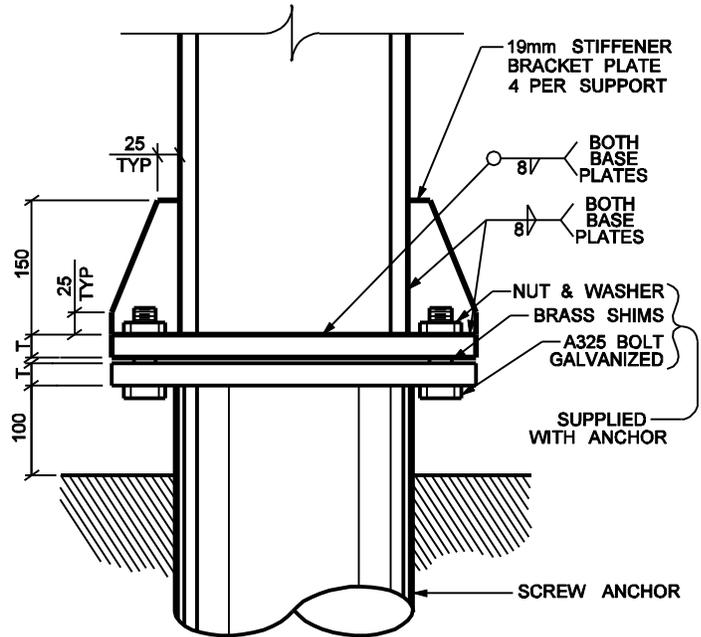
Post Size (mm)	Screw Anchor Colour Code	Hole Diameter (mm)	Bolt Diameter (mm)	Bolt Length (mm)	Bolt Torque (Nxm)	Baseplate Data						
						T (mm)	W (mm)	X (mm)	Y (mm)	Z (mm)	A (mm)	B (mm)
178	*White	21	19	90	500	25	89	32	29	35	305	152
178	Yellow	27	25	90	1200	25	102	38	35	41	406	178
254	Yellow	27	25	90	1200	25	102	38	35	41	406	178
305	Orange	30	29	90	1500	25	144	44	41	48	483	203

*Not in production

NOTE: Aluminum shall conform to A.S.T.M. specification 6351-T6. (welded members)



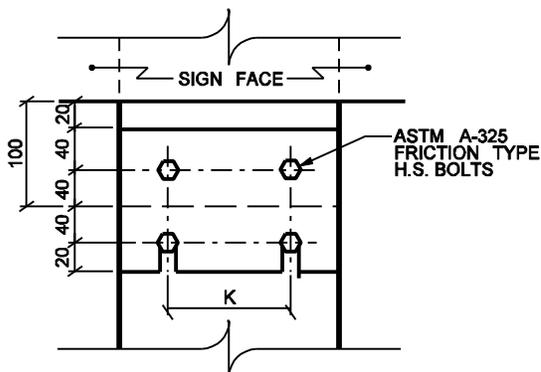
PLAN VIEW



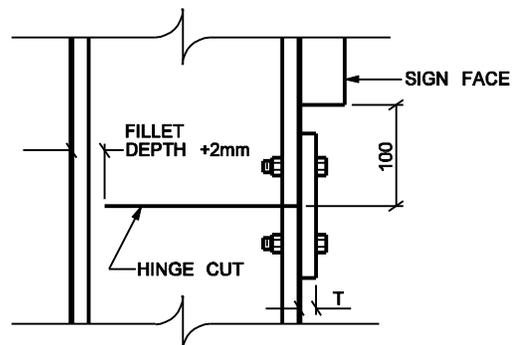
SIDE VIEW

Aluminum Post Hinge Data

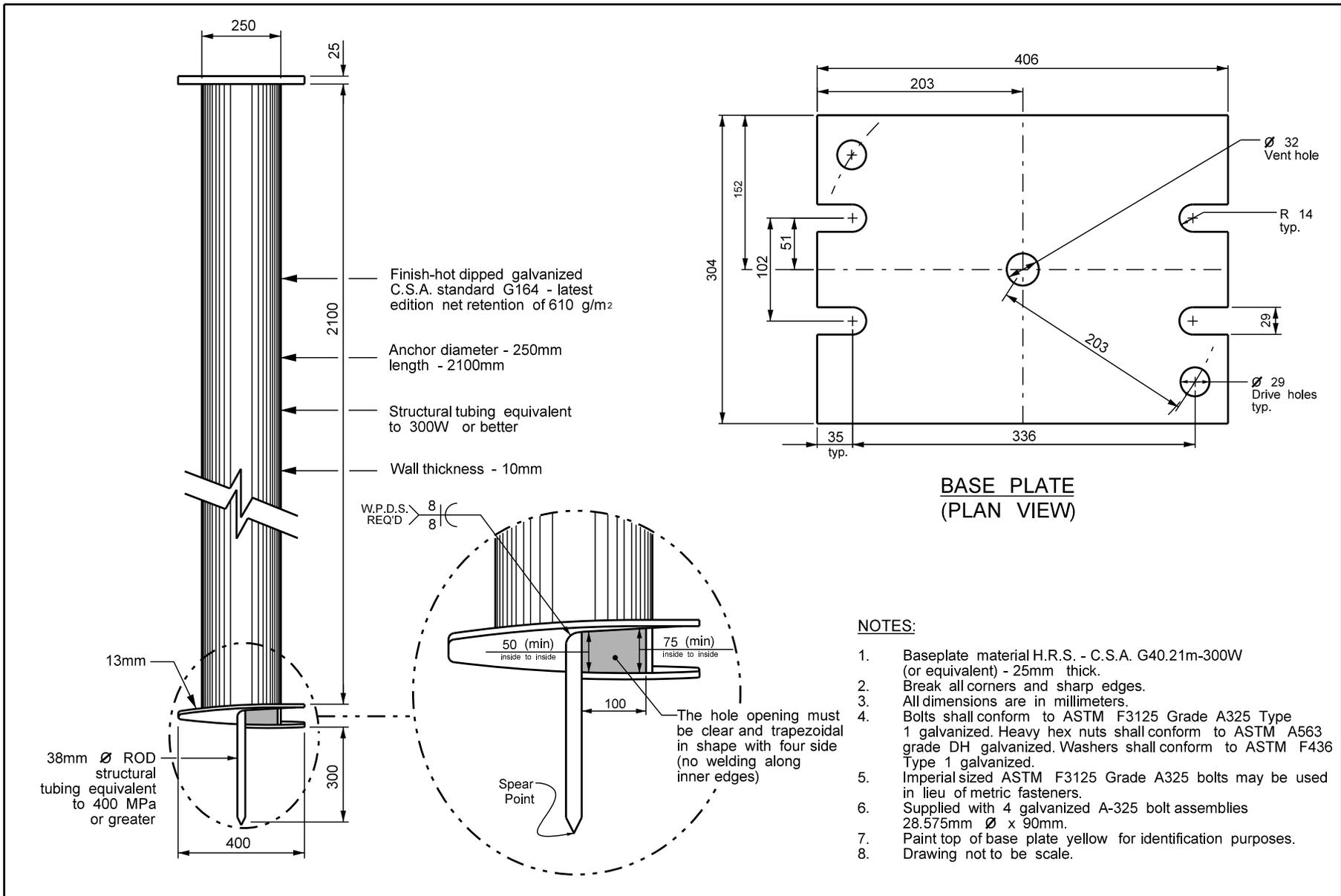
Post Size (mm)	Hole Diameter (mm)	Bolt Diameter (mm)	Bolt Torque (Nxm)	Hinge Data	
				T (mm)	K (mm)
178	18	16	285	10	50
254	18	16	285	10	65
305	22	20	500	11	75



FRONT VIEW



SIDE VIEW



REVISIONS	DATE	DESCRIPTION	BY
03-2007		BOLT FLIGHT AW	AW
06-2007		REVISIONS	DC
11-2008		REVISIONS	DC
03-2014		DETAILS ADDED	DC
12-2016		DETAILS ADDED	LB
01-2020		ROD DIA. REVISION	LB

Manitoba 
Transportation and Infrastructure
 Traffic Engineering

**YELLOW SCREW ANCHOR AND APPLICABLE BASE PLATE
FOR 178 mm & 254 mm I-BEAM**

ORIGINAL
APPROVED BY: _____

SCALE:	N.T.S.
DATE:	JAN 00
PREP. BY:	DGC
SHEET	1 OF 1
TE-230B	