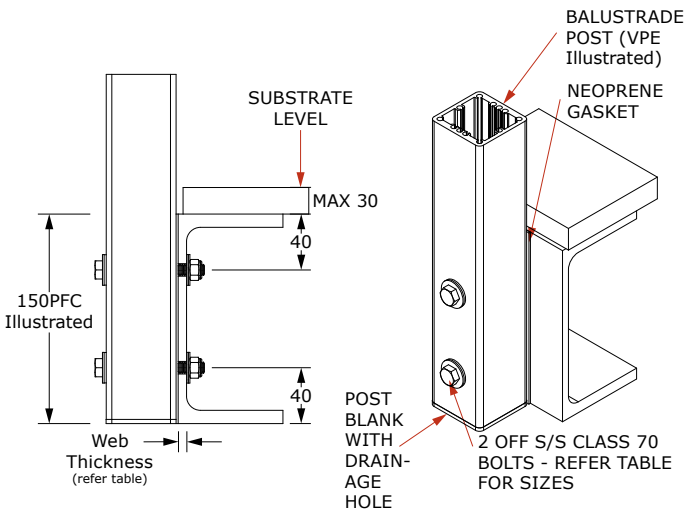
STEEL - SIDE FIXING, BOLTS

Refer to all notes on Pages 72 and 73 which shall apply to this specification and the relevant pages in Chapter 5 Installation Guides. Refer also to Chapter 2 for the Style Specification.

VPE POST TYPES ONLY



1. All bolts, washers and nyloc nuts fixings shall be Class 70 316 stainless steel.
2. Washers to be fitted under all bolts as follows;
   - For 8mm bolted - 22mm O.D. S/S washer (Part No. FW8-22) with a polymer washer (Part No. FWP8-22G) between the S/S washer, aluminium baseplate and the steel beam.
   - For 10mm tapped - 21mm O.D. S/S washer (Part No. FW10-21) with a polymer washer (Part No. FWP10-22G) between the S/S washer, aluminium baseplate and the steel beam.
3. The maximum post spacing permitted is the LESSER of the spacing tabulated in the Style Specification in Section 3 and spacing shown on the table below.
4. Substrate design, including waterproofing and the structural design of the steel substrate and its connections are not included in this specification and must be carried out by others.
5. The steel beam shall be painted with a good quality paint system consisting of a primer and top coat.

MAXIMUM POST CENTRES 'S max' (metres)

ALWAYS TAKE THE LESSER OF THE VALUE BELOW AND THE VALUE FROM THE STYLE SPECIFICATION

Height[3]	Post Type (Refer Ch 1)	Steel Size (Depth)	Fasteners - Qty and Type[2]	Web Thick-ness (See di-agram)	Line No.	LOADING CLASS[1]																			
						N07C/N07R								N03R	Not Preventing Fall										
						Design Wind Speed[4]									Design Wind Speed[4]										
						VH			EH						M			H			VH		EH		
						50	52	54	56	58	60	62	64	N/A	38	40	42	44	46	48	50	52	54	56	
1.0	VPE VPC	150+	2 x M8 BOLTS	NA	1	1.36	1.36	1.36	1.36	1.36	1.36	1.35	1.26	2.92	2.92	2.92	2.92	2.67	2.45	2.25	2.07	1.91	1.78	1.65	
		150	2 x M10 TAP	6	2	0.78	0.78	0.78	0.78	0.78	0.78	0.74	0.70	1.67	1.67	1.67	1.62	1.47	1.35	1.24	1.14	1.06	0.98	0.91	
		200+	2 x M10 TAP	6	3	1.09	1.09	1.09	1.09	1.09	1.09	1.08	1.02	2.33	2.33	2.33	2.33	2.15	1.97	1.80	1.66	1.54	1.43	1.33	
1.1	VPE VPC	150+	2 x M8 BOLTS	NA	4	1.25	1.25	1.25	1.25	1.25	1.19	1.11	1.04	2.67	2.67	2.67	2.42	2.21	2.02	1.86	1.71	1.58	1.47	1.36	
		150	2 x M10 TAP	6	5	0.72	0.72	0.72	0.72	0.70	-	-	-	1.53	1.53	1.47	1.34	1.22	1.11	1.02	0.94	0.87	0.81	0.75	
		200+	2 x M10 TAP	6	6	1.00	1.00	1.00	1.00	1.00	0.95	0.89	0.84	2.15	2.15	2.14	1.95	1.77	1.62	1.49	1.38	1.27	1.18	1.10	
1.2	VPE VPC	150+	2 x M8 BOLTS	NA	7	1.15	1.15	1.15	1.15	1.07	1.00	0.94	0.88	2.46	2.46	2.24	2.03	1.85	1.70	1.56	1.44	1.33	1.23	1.15	
		150	2 x M10 TAP	6	8	-	-	-	-	-	-	-	-	1.42	1.37	1.24	1.12	1.02	0.94	0.86	0.79	0.73	0.68	0.63	
		200+	2 x M10 TAP	6	9	0.93	0.93	0.93	0.92	0.86	0.80	0.75	0.71	2.00	2.00	1.80	1.64	1.49	1.36	1.25	1.16	1.07	0.99	0.92	

1. LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
2. FASTENER DESIGNATIONS: M8 and M10 Fasteners in table refer to UNEX Part No's FB8 and FB10 bolts. "M8 Bolts" = bolted with washers and nyloc nuts. "M10 Tap" = bolts threaded into pre-tapped holes in the steel to good workmanship and threads completely smeared with lanoline grease.
3. HEIGHT 'H': is the overall height of the balustrade above the substrate level shown. Interpolate for Heights between those shown.
4. DESIGN WIND SPEED: in m/s, Refer to Pages 51 to 52 for details of applicable wind codes and the methods for determining the Design Wind Speed.