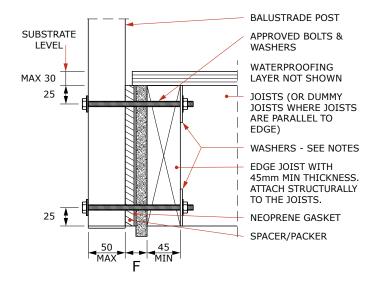
FIXING SPECIFICATIONS

NZBAL-C12.0 | SPEC ID FS.1S.06.01

DRY TIMBER - 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.

VPM2, VPH2 & VPE POST TYPES ONLY



- For details of approved fasteners refer to General Notes on Page 72 note 3.
- Washers to be fitted under screw and bolt heads shall be as follows
 - For 8mm bolts 22mm O.D. S/S washer (Part No. FW8-22) with a polymer washer (Part No. FWP8-22G) between the S/S and the aluminium.
 - For washers bearing against timber use 50 x 50 x 3mm stainless steel washers (Part No. FW10-50SQ).
- SUBSTRATE design including waterproofing, the structural design of the timber members and their connections, is beyond the scope of this specification and must be carried out by others.
- Spacings in Table below are based on Dry timber, using Pinus Radiata with a maximum in-service moisture content of 18%. For Wet timber, where the in-service moisture contents will exceed 18%, refer to specification FS.2S.06.01 on Page 91.
- Substrate design including waterproofing and the structural design of the timber substrate and its connections are not included in this specification and must be carried out by others.

4	ALWAY:	S TAKI	E THE LESSE	R OF	THE	VA	LUE	BELO	WC	AND	THE	VAL	UE Ì	FROM	1 TH	É ST	YLE	SPE	CIFI	CAT	ION			
		Joist Size	Fasteners - Qty and Type ⁽²⁾	`F' (See dia- gram)	Line No.	LOADING CLASS ⁽¹⁾																		
Height ⁽³⁾						N07C/N07R						N03R	Not Preventing Fall											
	Post Type					Design Wind Speed ⁽⁴⁾							Design Wind Speed ⁽⁴⁾											
					0.	VH EH							М		Н			VH E						
						50	52	54	56	58	60	62	64	N/A	38	40	42	44	46	48	50	52	54	56
1.0	VPM2	140+	2 x M8 Bolts	NA	1	0.85	0.85	0.85	0.85	0.83	0.78	0.73	0.68	1.81	1.51	1.51	1.51	1.45	1.33	1.22	1.12	1.04	0.96	0.89
	VPH2 VPE	140	2 x M8 Bolts	NA	2	1.03	1.03	1.03	1.03	0.97	0.90	0.85	0.79	2.21	1.73	1.73	1.73	1.68	1.54	1.41	1.30	1.20	1.11	1.04
	VPH2	190+	2 x M8 Bolts	NA	3	1.07	1.07	1.07	1.07	1.06	0.99	0.92	0.87	2.28	1.90	1.90	1.90	1.83	1.68	1.54	1.42	1.31	1.22	1.13
	VPE	190+	2 x M8 Bolts	NA	4	1.34	1.34	1.34	1.34	1.28	1.20	1.12	1.05	2.86	2.38	2.38	2.38	2.23	2.04	1.88	1.73	1.60	1.48	1.38
1.1	VPM2	140+	2 x M8 Bolts	NA	5	-	-	-	-	-	-	-	-	-	1.26	1.26	1.26	1.21	1.11	1.02	0.94	0.87	0.80	0.75
	VPH2 VPE	140	2 x M8 Bolts	NA	6	0.95	0.95	0.93	0.87	0.81	0.76	0.71	0.66	2.03	1.46	1.46	1.46	1.40	1.28	1.18	1.09	1.01	0.93	0.87
	VPH2	190+	2 x M8 Bolts	NA	7	0.97	0.97	0.97	0.95	0.88	0.82	0.77	0.72	2.09	1.58	1.58	1.58	1.53	1.40	1.29	1.19	1.10	1.02	0.95
	VPE	190+	2 x M8 Bolts	NA	8	1.22	1.22	1.22	1.15	1.07	1.00	0.94	0.88	2.62	1.99	1.99	1.99	1.86	1.70	1.56	1.44	1.33	1.24	1.15
1.2	VPM2	140+	2 x M8 Bolts	NA	9	-	-	-	-	-	-	-	-	-	1.06	1.06	1.06	1.02	0.94	0.86	0.79	0.73	0.68	0.63
	VPH2 VPE	140	2 x M8 Bolts	NA	10	0.88	0.85	0.79	0.73	0.68	0.64	0.60	0.56	1.89	1.24	1.24	1.24	1.19	1.09	1.00	0.92	0.85	0.79	0.73
	VPH2	190+	2 x M8 Bolts	NA	11	0.90	0.90	0.86	0.80	0.75	0.70	0.65	0.61	1.92	1.34	1.34	1.34	1.30	1.19	1.09	1.00	0.93	0.86	0.80

MAXIMUM POST CENTRES 'S max' (metres)

LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.

190+2 x M8 Bolts NA

- FASTENER DESIGNATIONS: M8 Bolts in the table refer to UNEX Part No's FB8 bolts (Class 70 Stainless Steel), bolts may be substituted with FE8 (M8) Threaded Studs made from 316 Stainless Steel.
- HEIGHT 'H': is the overall height of the balustrade above the substrate level shown. Interpolate for Heights between those shown. 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.

