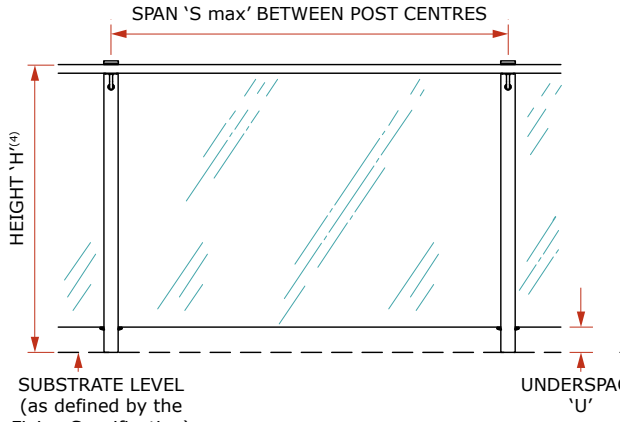
'VETRO' (VRR SIDE RAIL)

This specification details the members to be used, glass thicknesses required and the maximum spacing for the various posts for this style. A separate specification must be referred to for fixing to the substrate (refer to Chapter 3). Post spacing must not exceed the lesser of the spacing from both Chapter 2 and Chapter 3. NOTE: For the Vetro Style we recommend always using 4 Substrate fixings per baseplate to give lateral stability to the post, even if 2 fixings is structurally adequate. Refer to Page 56 for notes on balustrade deflection.

1. Glass shall be GRADE A TOUGHENED SAFETY GLASS suitable for exterior applications in accordance with AS/NZS 2208, with a minimum thickness as determined from the Table below. Glass shall be supported and glazed in accordance with NZS 4223. All exposed edges to be Flat Polished.
2. Fabrication and Installation to be in accordance with Assembly Specification AS.35.12S on Page 123, the Installation Guides in Chapter 5, and all other relevant portions of the UNEX Fabricators Manual.
3. APS and APE may be used for either "top fixed" or "side fixed". API & APT "side fixed" ONLY situations.
4. Side Rail height shall not be less than the minimum barrier height, as required in F4/AS1.



The balustrade shall be fabricated from the following items:

POST CAPS: ACFIS, ACEIS, ACPR, or ACPE. Refer to Chapter 1 for options.

SIDE RAIL: VRR/DRH

LBWN8 Bracket. Brackets centred on posts.

POSTS: APS or APE for in-line posts, API or APT for side fixing only, APQ2 at 90º corners (see Note 3 above).

TOUGHENED GLASS PANELS. See table below.

BRACKET: AKS2

INSERT: AIA

MAXIMUM POST CENTRES 'S max' (metres)

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

HEIGHT(3)	Post Type(2)	Toughened Glass Thickness	Line No.	LOADING CLASS(1)																	
				N07C/N07R									N03R	Not Preventing Falls							
				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	APR2 or APS	10	2	1.39	1.39	1.39	1.38	1.29	1.20	1.13	1.06	1.65		1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.49	1.38
		12	3	1.39	1.39	1.39	1.38	1.29	1.20	1.13	1.06	1.66		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.60	1.49	1.38
	APE	12	4	1.50	1.50	1.50	1.50	1.50	1.50	1.44	1.35	1.66		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
		15	5	1.50	1.50	1.50	1.50	1.50	1.50	1.44	1.35	1.66		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
1.1	APR2 or APS	10	7	1.26	1.26	1.22	1.14	1.06	0.99	0.93	0.87	1.65		1.50	1.50	1.50	1.50	1.50	1.48	1.39	1.30	1.22	1.14
		12	8	1.26	1.26	1.22	1.14	1.06	0.99	0.93	0.87	1.66		1.66	1.66	1.66	1.66	1.59	1.48	1.39	1.30	1.22	1.14
	APE	12	9	1.50	1.50	1.50	1.46	1.36	1.27	1.19	1.11	1.66		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.64	1.55	1.46
		15	10	1.50	1.50	1.50	1.46	1.36	1.27	1.19	1.11	1.66		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.64	1.55	1.46
1.2	APR2 or APS	10	12	1.03	0.96	0.89	0.83	0.78	0.73	0.68	0.64	1.65		1.50	1.50	1.41	1.30	1.20	1.11	1.03	0.96	0.89	0.83
		12	13	1.03	0.96	0.89	0.83	0.78	0.73	0.68	0.64	1.66		1.66	1.53	1.41	1.30	1.20	1.11	1.03	0.96	0.89	0.83
	APE	12	14	1.37	1.28	1.20	1.12	1.06	0.99	0.93	0.88	1.66		1.66	1.66	1.66	1.66	1.56	1.46	1.37	1.28	1.20	1.12
		15	15	1.37	1.28	1.20	1.12	1.06	0.99	0.93	0.88	1.66		1.66	1.66	1.66	1.66	1.56	1.46	1.37	1.28	1.20	1.12

1. LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
2. POST TYPES: Refer to Chapter 1 for details.
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 for any particular site.