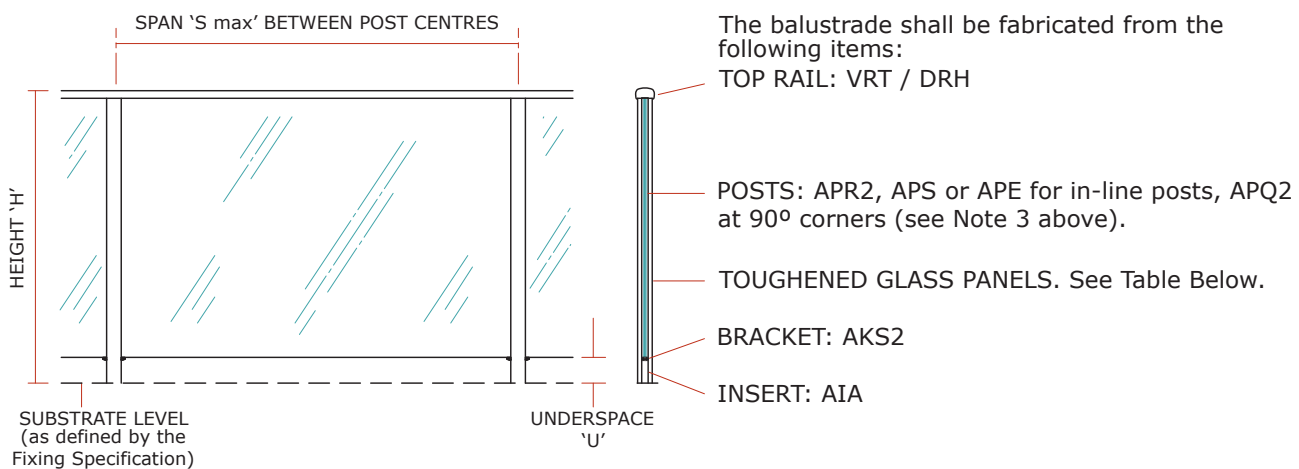


'SIENA' (VRT TOP RAIL)

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. Refer to Page 68 for notes on balustrade deflection.

1. Glass shall be GRADE A SAFETY GLASS, TOUGHENED 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.41.04T, the Installation Guides in Chapter 5, and all other relevant portions of the UNEX Fabricators Manual.
3. APR2 posts should only be used for "top fixed" situations. APS and APE may be used for "top fixed" and shall be used for "side fixed" situations.



The balustrade shall be fabricated from the following items:

TOP RAIL: VRT / DRH

POSTS: APR2, APS or APE for in-line posts, APQ2 at 90° 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				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	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.28	1.23	1.19	1.15	1.12	1.09	1.06	1.03	1.01	0.99
		8	2	1.15	1.15	1.15	1.15	1.15	1.15	1.13	1.06	1.06	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.41	1.37	1.34	1.31
		10	3	1.39	1.39	1.39	1.38	1.29	1.20	1.13	1.06	1.06	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.38
	APE	10	4	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.35	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
		12	5	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.35	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
1.1	APR2 or APS	6	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.28	1.23	1.19	1.15	1.12	1.09	1.06	1.03	1.01	0.99
		8	7	1.15	1.15	1.15	1.14	1.06	0.99	0.93	0.87	0.87	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.39	1.30	1.22	1.14
		10	8	1.26	1.26	1.22	1.14	1.06	0.99	0.93	0.87	0.87	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.39	1.30	1.22	1.14
	APE	10	9	1.41	1.41	1.41	1.41	1.36	1.27	1.19	1.11	1.11	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
		12	10	1.41	1.41	1.41	1.41	1.36	1.27	1.19	1.11	1.11	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
1.2	APR2 or APS	6	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.28	1.23	1.19	1.15	1.12	1.09	1.03	0.96	0.89	0.83
		8	12	1.03	0.96	0.89	0.83	0.78	0.73	0.68	0.64	0.64	1.45	1.45	1.45	1.41	1.30	1.20	1.11	1.03	0.96	0.89	0.83
		10	13	1.03	0.96	0.89	0.83	0.78	0.73	0.68	0.64	0.64	1.45	1.45	1.45	1.41	1.30	1.20	1.11	1.03	0.96	0.89	0.83
	APE	10	14	1.37	1.28	1.20	1.12	1.06	0.99	0.93	0.88	0.88	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.37	1.28	1.20	1.12
		12	15	1.37	1.28	1.20	1.12	1.06	0.99	0.93	0.88	0.88	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.37	1.28	1.20	1.12

1. LOADING CLASS: Refer to Page 203 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 63 to 64 for details of applicable wind codes and the methods for determining the Design Wind Speed.