Prolam® Verandah/Carport Bracing Post

- 1. Earthquake zone 3 Soil Class E
- 2. Post to bearer fixing is for lateral loads. Vertical bearing loads may require additional capacity.
- 3. Footing depth is into Good Ground. Footing is sized for resisting bracing loads only.
- 4. Requirements for resisting uplift will need to be calculated separately Section 9 in NZS3604:2011 gives tables for the uplift force and volume of concrete required for posts.

Post selection Steps:

1- Calculate total plan and face areas of the verandah roof:

Total Plan area: $TPA = W \times L$ Total Face area: $TFA = H \times L$

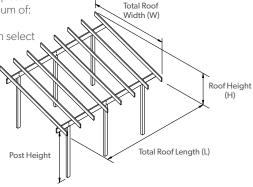
2- Select the post size desired and the post height

3- Read off the maximum areas AP and AF for that post

4- Number of posts required will equal the maximum of: TPA/AP or TFA/AF

5- If the number of posts is more than desired then select





Example (PL8 Bracing Post Supporting Free Standing

Verandah/Carport - Table 12a):

Roof Length = 6 Roof Width = 4 Roof Height = 1.2

TPA = 24

TFA = 7.2

Post size = 180×180 Post height = 2.1

AP = 6.3 AF = 2.6

TPA/AP = 3.8 TFA/AF = 2.8

Number of posts required = 4 (3.8 rounded up)

These span tables apply only to Prolam products

