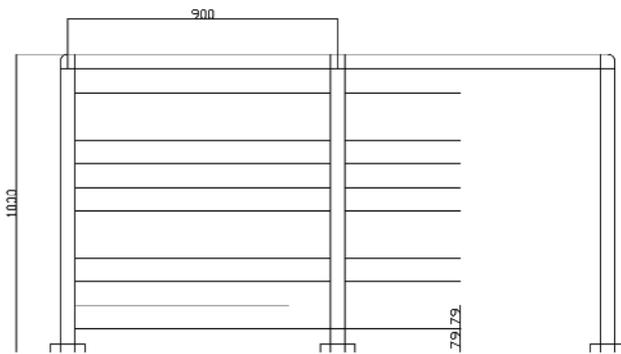




# NEW AUS BUILDING CODES

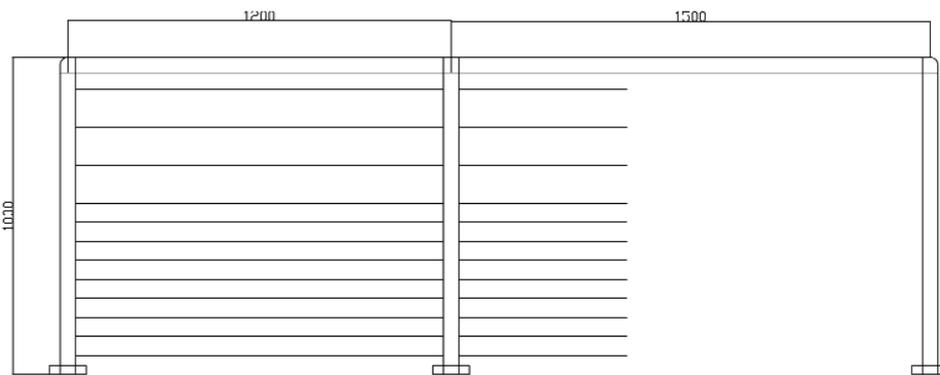
As most of you are probably aware, the new regulations from the Australian Building Codes Board have come into effect. The changes in these codes have been created for a national standard and have specific requirements such as wire tensions and wire rope construction to name a few. We now stock wire rope tension gauges and a new product line, 19mm pulleys which are now required for vertical continuous cables. The next couple of pages are some suggestions to make your jobs conform. Due to the tensions required, more posts or more cables are now required on most jobs, keeping in mind that codes only apply to projects over 1m off the ground, and horizontal cables are not permitted above 4m. We have also devised ways of running vertical cables as the following information will explain. All following guides are based on information provided by the Australian Building Codes and have been tested using the Antiqua Modular Railing System, other posts may not stand up to the loads we have achieved.

## HORIZONTAL CABLES



Post Distance	900mm
Height	1000mm
Cable Centres	80mm
Tension Required	73.7Kg(670N)
Cables Required	11
Wire Size	1/8" (3.0mm)
Construction	1 x 19

**Uprights are best set at 900mm apart for 80mm wire centres.** As there is minimal load on these intermediates, every second upright can be of smaller material to save material and cost, we will soon stock 33mm uprights for this, alternatively, stainless flat bar or 16mm tube can be used to act as wire separators.



Post Distance	1200mm
Height	1000mm
Cable Centres	60mm
Tension Required	57.2Kg(520N)
Cables Required	15
Wire Size	2.5mm or 1/8"
Construction	1 x 19

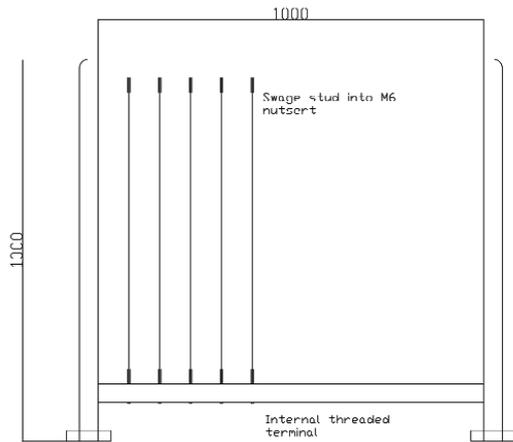
Post Distance	1500mm
Height	1000mm
Cable Centres	60mm
Tension Required	86.9Kg(790N)
Cables Required	15
Wire Size	2.5mm or 1/8"
Construction	1 x 19

For installations where post settings are to be more than 900mm, 2.5mm wire can be used as an alternative, with 60mm wire spacings, this allows the user to have a less obstructive solution. Some fittings for 2.5mm wire are available now and more options will soon become available.

To achieve the specified tension, Cables must be terminated at every change in direction, both vertical and horizontal.

Due to the new tensions the end posts are now placed under greater loads, it is now important that the posts can hold up to these loads without bending or breaking. Antiqua stainless steel posts can handle all tensions that are outlaid here due to thicker walled tube, 2.6mm, other posts such as timber, aluminium or thin walled steel may not be able to take these loads. **Remember that the closer the posts are together the less wire tension required!!**

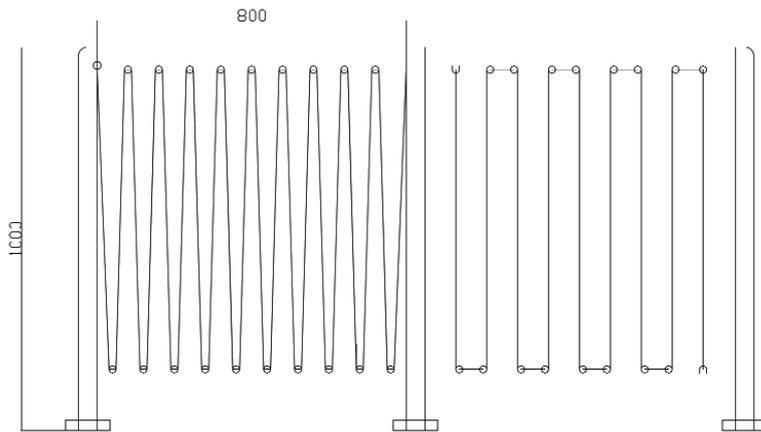
## VERTICAL CABLES



Post distance	1000mm
Height	1000mm
Cable Centres	80mm
Tension Required	73.7Kg(670N)
Cables Required	12
Wire Size	1/8" (3.0mm)
Construction	1 x 19

High strength material such as Antiqua 48.3mm x 2.6mm tube is recommended to be used for top rail, uprights and bottom rail for vertical cables due to the top and bottom rail being under constant load!! It is recommended to have an upright every 1000mm. This system is permitted above 4m or can be used for pool fencing by raising the height to 1200mm.

## CONTINUOUS VERTICAL CABLES

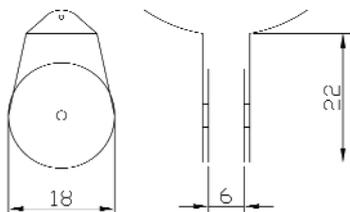


Post distance	800mm
Height	1000mm
Pulley Centres	80mm
Tension Required	32.3Kg(294N)
Cables Required	1
Wire Size	2.5mm
Construction	7x19 or 7x7

Wire size can only be 2.5mm and 7x7 or 7x19. Uprights can be only a maximum 800mm apart and a pulley must be used for the cable to run around.

Heavy duty tube or posts must be used on all uprights on vertical cable due to the top and bottom rail being under constant load!!

**All information given are strictly our suggestions and should be further checked against the Australian Building Codes.**



Pulleys for continuous vertical balustrade, suit round surfaces, coming soon to suit flat surfaces.  
Part # SS-8240-50



Webnet  
and glass  
clamps also  
available

