

# INSTALLATION INSTRUCTIONS: COMPOSITE FASCIA AND STEEL PERGOLAS

## 1: DETERMINING FIXING APPLICATION AND LAYOUT

Subject to specific installation requirements, there are generally two fixing installation applications:

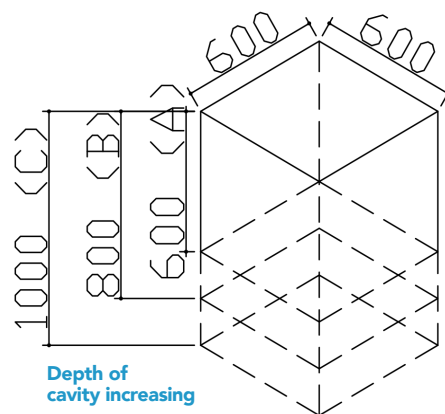
**Option 1** - The ring beam has vertical support footings to structurally secure it in place (concreted/cemented into the foundation); or

**Option 2** - The pergola ring beam sits between/against walls where the ring beam would be fixed and secured directly to these façades.

### For option 1:

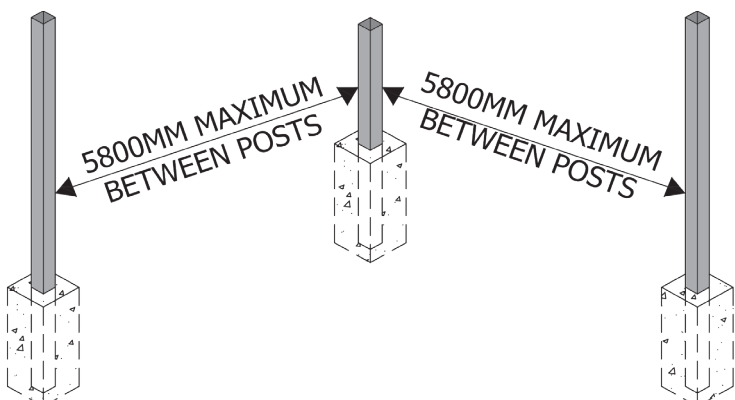
This diagram shows the basic requirements for the cavity to be dug to support and secure the vertical footings into the ground.

The depth of the cavity increases as the height of the pergola increases.



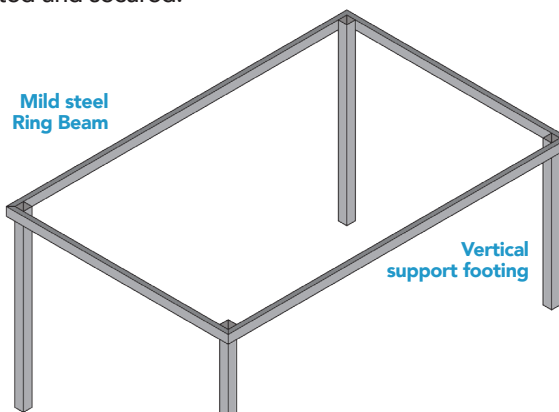
## 2: GENERAL INSTALLATION LAYOUT

- The pergola is different and for most cases should not exceed the 5.8m span (Not always the case).
- The diagram below illustrates basically how one would start the process
- Your vertical support footings which have been concreted in place or screwed through the steel to façades (Option 2) are now ready to receive the steel ring.



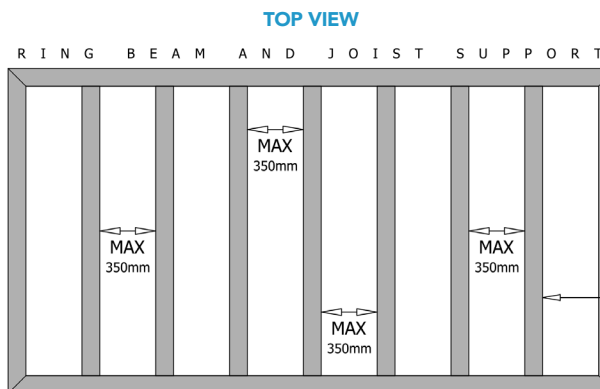
## 3: RAISING AND SECURING THE RING BEAM INTO POSITION

- The Ring Beam of the Pergola is constructed from either 100mm x 100mm Square tube or 10mm x 50mm Rectangle tube (wall thickness subject to span of material; this can change).
- The Ring Beam is secured to the vertical footings by welding them together.
- One now has a framework to which the support bearer beams can be inserted and secured.



## 4: INSERTING THE BEARER SUPPORT JOISTS INTO THE CONSTRUCTED RING BEAM

- At a maximum span of 350mm fix and secure the support joists into the ring beam.
- The size of the steel tubing used as the support joist will differ in size, subject to the specific pergola dimensions.
- The bearer support joists will create the foundation for the mounting of the fascia planks.



Ensure that your welds are **secure** around **both** the **vertical** and **horizontal** joints.

PRIMED AND PAINTED

BEARER SUPPORTS

RING BEAM