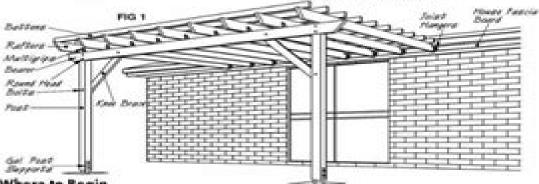


# **How to Build** Pergola

Check with your Local Authority if a permit is required.

The typical design illustrated and described here is one attached to the house fascia board (for further details on attaching pergolax to the fauria bound or house wolf see Pages 69-71).

Note: Although musy pergolas are initially without roof cladding, at a later date many folk choose to clad the roof with metal, fibreglass, or acrylic sheet. Footings designed to anchor pergolas with roof cladding will generally be larger than those without, so it is advisable to design footings to receive roof claddings should the need arise.



#### Where to Begin

#### Step 1 Prepare a Plan

Propure a layout plan and sectional view to establish lengths and quantities of materials (see Example Plant Player 67s.

| The state of the s |
|--|
| EXAMPLE MATERIAL LIST  |
| (See also Page 7)  |
| Footings:  |
| Concrete 1 rules makes   |
| Timber   |
|  |
| Posts 90x90 F7 treated HS & Seasoned 2 0 2.4   |
| Second 170x85 F7 bested H3 & Second 1 @ 3.6  |
| Flatters 145x55 F7 treated H3 & Seasoned 9 9 3.0   |
| Bottom 70x85 F7 treated H0 & Sessowed 10 W 4.2   |
| Bracing 90x45 F7 treated H5 & Sessoned 1 @ 1.8   |
| Hardware:  |
| Post Supports 2High wind gal.  |
| Roard Head Bults. 13/100mm/Clmm gallowth rule & washers  |
| Triple Grips Briveth WorZilenen gall connector natus   |
| Joint Hongory - Brisith 30x2 (from gal, corrector natio)   |
|  |

#### 5tep 2 Setting Out the Site

Mark on the fiscia board the outside face of each end rafter.

From these points drop a plumb bob down to ground. pegs and drive a mail indicating these points (see the 2x. Then, drive two further temporary page to indicate the two outer corners where the outside of the two end rafters will intersect with the beam ture. fig. 1). Square this area appear, at this stage,

Remember ends of rafters and beams can extend past. these points as illustrated in fig. I..

To enable easier accurate squaring and positioning of the pergola posts, drive 90x35mm profile pegs about. 600mm outside of the two corner pegs as in fig 3 with mills to indicate the outside faces of the posts.

Stretch string lines between these nails and square this area accurately by taking diagonal osessurements. between the line intersections, adjust the outer twosails together until both diagonal measurements correspond. On larger more complex pergolasconstruct profile hurdles as in fig 4, Page 49.

Re-position the original outer corner pegs to indicate the centre of each post footing. If the posts are set back from the outer face of the end rafters, adjust the centre of footing peps accordingly.

# **Pergolas Construction Manual**

**K Payea** 

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