

HOW TO BUILD A CARPORT

STEP BY STEP GUIDE
No. **5**

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5

MATERIALS CHECK LIST

- POSTS (House Attached) 90 x 90mm H4 Treated Pine or Cypress Gold
- (Free Standing Model) 90 x 90mm H4 Treated Pine or Cypress Gold
- LEDGER BEAM (To Wall) 140 x 35mm F7 Seasoned Treated Pine
- SIDE BEAM 190 x 45mm F7 Seasoned Treated Pine
- END BEAMS 190 x 45mm F7 Seasoned Treated Pine
- RAFTERS 140 x 45mm F7 Seasoned Treated Pine
- BATTENS (For Fall to Side) 70 x 45mm F7 Seasoned Treated Pine
- BRACING (Free Standing Model) 90 x 45mm F7 Seasoned Treated Pine
- SOLE PLATES 225 x 150 x 38mm Cypress
- ROOFING Zinalume or Colourbond
- FASCIA CAPPING Zinalume or Colourbond
- FLASHING Zinalume or Colourbond
- NAILS 100 x 4.0mm Galvanised Bullet Head
- GALVANISED POST SUPPORTS 100 x 450mm Stirrup Type
- GUTTER AND ACCESSORIES P.V.C. Quad Pattern
- DOWN PIPE P.V.C. Down Pipe
- GALV. COACH BOLTS (Beam to Post) 165 x 10mm
- FRAMING BRACKETS (Joist Hangers) 120 x 50mm
- CONCRETE MIX

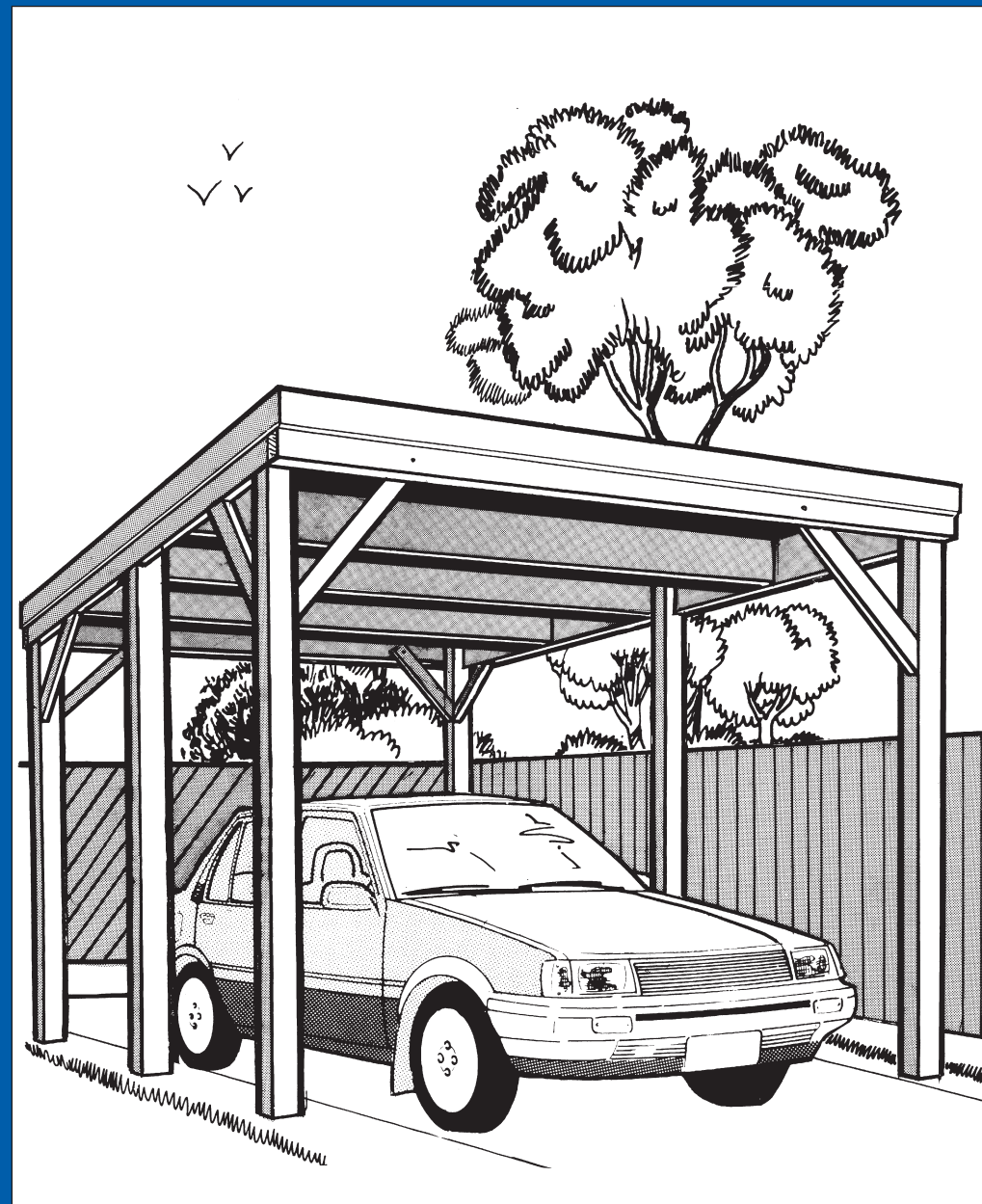
SIZES QUOTED TO BE USED AS A GUIDE ONLY

TOOLS REQUIRED

For most carport projects you will need:

- Handsaw
- Circular saw
- Power drill and bits
- Wood chisel
- Tape measure
- Carpenters pencil
- Nail punch
- Shovel
- Crow bar
- Hammer
- Spanner
- String line
- Spirit level
- Combination square
- Paintbrush

FOR SAFETY USE GOGGLES, GLOVES AND DUST MASK.



Bowens THE BUILDERS CHOICE

- | | | | | |
|--|--|---|--|--|
| Croydon 352 Dorset Rd Ph 9723 0394 | Hastings Graydens Rd Ph 5979 1267 | North Melbourne 135-173 Macaulay Rd Ph 9328 1041 | Rowville 963 Stud Rd Ph 9763 7522 | Prefabrication Plants |
| Epping 13 Scanlon Drive Ph 9408 6566 | Laverton 163 Cherry Lane Ph 9353 7700 | Oakleigh South 717 Warrigal Rd Ph 9579 1188 | Shepparton 7 Wheeler St Ph 5822 2364 | Dandenong 267 Hammond Rd Ph 9792 2888 |
| Hallam 48-50 Hallam Sth Rd Ph 9796 3088 | Mt Evelyn 26 York Rd Ph 9736 2588 | Phillip Island 83-85 Settlement Rd Ph 5952 5633 | Taylor's Lakes 45 Melton Hwy Ph 9390 8899 | Hastings Graydens Road Ph 5979 2223 |
| | | | | Morwell 8 Jones Road Ph 5135 6781 |

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EASY TO FOLLOW STEP BY STEP GUIDE

COMPLETE MATERIALS CHECK LIST

LIST OF ALL TOOLS REQUIRED



REFER TO COUPON ON BACK PAGE FOR MORE INFORMATION REGARDING THIS AND OTHER BOWENS PROJECTS

CALL TOLL FREE
1 800 333 162
OR RETURN THIS COUPON TO:
BOWENS TIMBER AND BUILDING SUPPLIES
P.O. BOX 1377, VESPER DRIVE,
NARRE WARREN 3805

5 NAME:
ADDRESS:
POSTCODE: PHONE:

PLEASE SEND ME THE INFORMATION I HAVE MARKED HERE

| | |
|---|---|
| <input type="checkbox"/> 1 Timber Deck | <input type="checkbox"/> 8 Work Bench |
| <input type="checkbox"/> 2 Pergola | <input type="checkbox"/> 9 Timber Steps |
| <input type="checkbox"/> 3 Timber Fence | <input type="checkbox"/> 10 Timber Shelving |
| <input type="checkbox"/> 4 Feature Wall | <input type="checkbox"/> 11 Timber Gates |
| <input type="checkbox"/> 5 Carport | <input type="checkbox"/> 12 Handrail |
| <input type="checkbox"/> 6 Gazebo | <input type="checkbox"/> 13 Privacy Fence |
| <input type="checkbox"/> 7 Cubby House | <input type="checkbox"/> 14 Retaining Wall |

IMPORTANT: This project sheet has been produced to give basic information and our helpful staff are available to answer any questions you may have. However, the use of this information is on the understanding that Bowens (including it's author, servants and owners) disclaim all and any liability for any damages or other amounts found to be recoverable in relation to such information, even when given negligently or attributable directly or consequentially upon any act or omission by or on behalf of Bowens. The user is advised to contract a qualified tradesman, when expert information or services are required.
WARNING: Always check with your council authority regarding by-laws or regulations which may be applicable to this project.

HELPING VICTORIANS BUILD!

HELPING VICTORIANS BUILD!

Bowens THE BUILDERS CHOICE

STEP BY STEP GUIDE TO BUILDING YOUR OWN CARPORT

BUILD YOUR OWN AND SAVE!

Building your own carport is not quite as difficult as you may first think.

With some help and advice from Bowens and your local council, a "do-it-yourself" renovator can build and erect this attractive carport.

Before you start any work on this project we recommend that you fully read this brochure.

Bowens are also happy to give you an obligation free quote to supply and build a carport or other project for you. Just fill in and mail the coupon on the rear page or ring your nearest Bowens store.

A council building permit will be required for your carport. Your council authority will also advise you regarding boundary clearances etc. Do not apply until you have finalised planning.

SITE, SIZE AND TYPE

Your driveway and property access will help determine the type and site of your carport. The design illustrated on the opposite page and the measurements detailed in this brochure feature a 6m x 3m "house attached" single carport with roof fall towards rear (Fig 16). (For fall to side you will need to attach battens to rafters – parallel to side beam – using triplegrip fasteners spaced 600mm apart. Create fall with different height battens or adjust height of posts). The carport is secured to

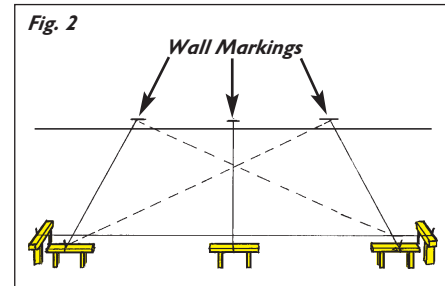
wall using a ledger beam. The design can be easily changed to a "free standing" model with 6 posts which need to be set in ground using H4 treated pine posts.

CHECK MATERIALS AND TOOLS

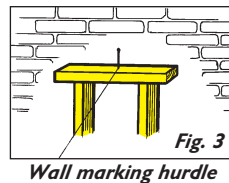
Before commencing work, check that you have all materials required as set out in "materials check list" on back page. Now is also the appropriate time to check that you have all necessary tools ensuring saws are sharp and well set and chisels sharp.

MARKING OUT

Start with a clean site. Set out area and post positions using timber hurdles and builders stringline, with hurdles just outside



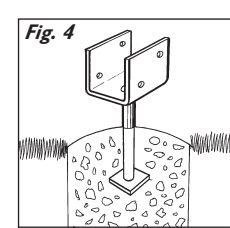
post positions. Cross-over point of stringline marks outside faces of post (Fig. 2). Using a spirit level, mark outside corners level on wall using nails or a hurdle with a nail in correct position (Fig. 3). Measure outside positions of posts accurately and



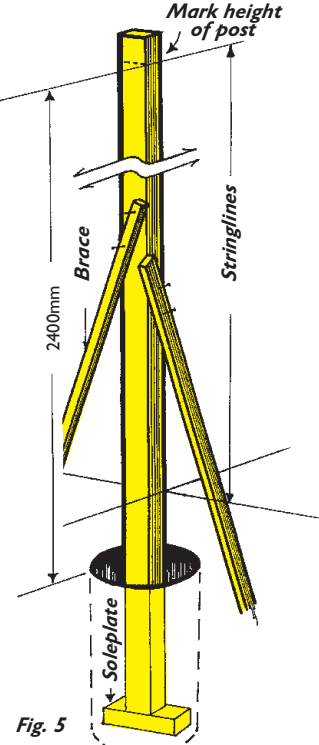
position stringlines accordingly. Diagonal measurements must be equal (and level) to ensure square set out. You may have to move nails on hurdles slightly.

POST HOLES

For posts positioned on post supports, dig holes 350mm square and 700mm deep, pour in concrete mix and place post support in centre (Fig. 4) checking for correct position with stringlines. Set 25mm

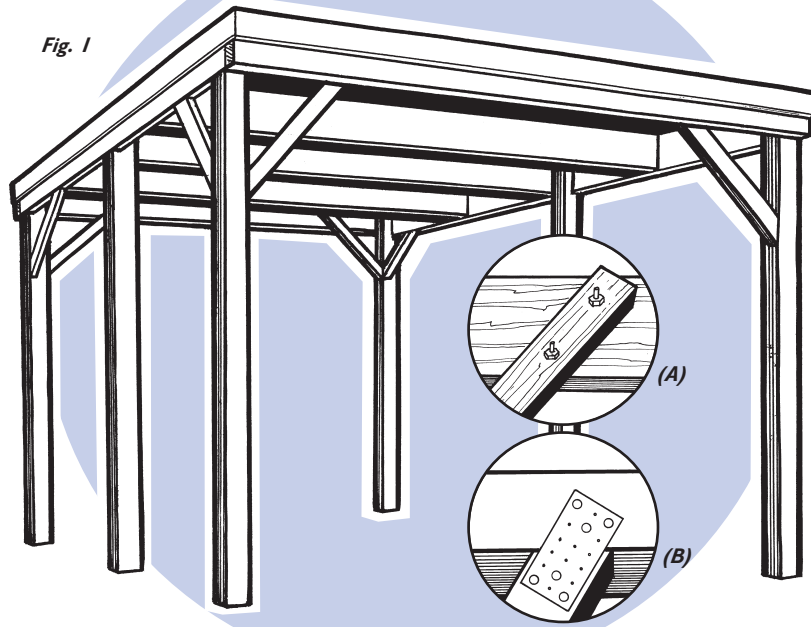


clearance to bottom of post and finish with dome shape for water run off (Fig. 4) allow 3 days for concrete to set. For free standing carports (Fig.1) you need to dig holes 900mm deep and keep holes clean and square for inspection. Using spirit level, set post on top of soleplate in level position and brace temporarily (Fig. 5). Measure and mark for correct height.



FREE STANDING CARPORT

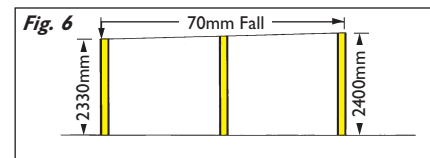
Fig. 1



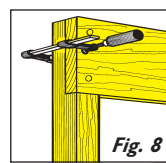
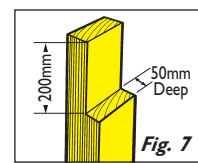
Note that free standing carports must have permanent bracings fixed to posts, rafters and beams for greater stability. Attach with bolts (A) or fix with nailplates (B).

CUT & CHECK OUT POSTS (3)

Post height should be 2400mm from ground level. Roof fall should be to rear and at least 1 in 60. For 70mm fall to rear using stringline measure and mark posts – front 2400mm from ground level – centre 2365mm and rear 2330mm. This will give you a fall of 70mm from front to rear on level site (Fig. 6). Next take out posts and cut to correct length. Using

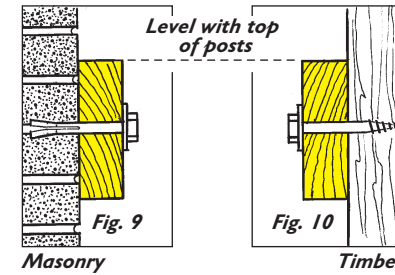


saw and chisel, check out top of posts for side beam housing to correct depth and width of beams (Fig. 7). Reset posts in holes (or supports) with beam housing facing outwards and flush with stringline. Check for level carefully and replace temporary bracing. For "in ground" posts fill holes with mix of about three shovels of dry cement and earth or concrete mix – allow three days to set.



LEDGER BEAM

Mark correct position of ledger beam on wall with front and rear of ledger flush with outside faces of outside posts, and top of ledger flush with top of all posts. Cut ledger beam to correct length and fix to wall securely. For masonry walls, use Dynabolts spaced 1 metre



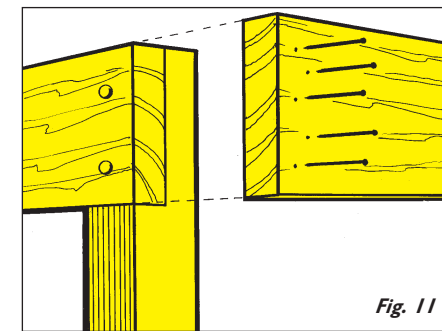
apart (Fig. 9) for timber walls fasten ledger with coach screws into timber frame studs (Fig. 10) through outside weatherboards or other cladding.

SIDE BEAM 240 x 45mm

Next position sidebeams into checked out post housing and hold in place with clamps while you drill 2 holes per post for 10mm coach bolt fixing (Fig. 8). Mark ends flush with outside of posts. Cut beams to marks and bolt securely to posts.

END BEAMS 240 x 45mm (2)

Measure and cut front and rear end beam to correct size and secure to post and ledger beam using 100mm x 4 bullet head galvanised nails (Fig. 11).

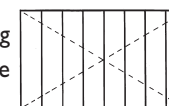


RAFTERS 140 x 45mm (7)

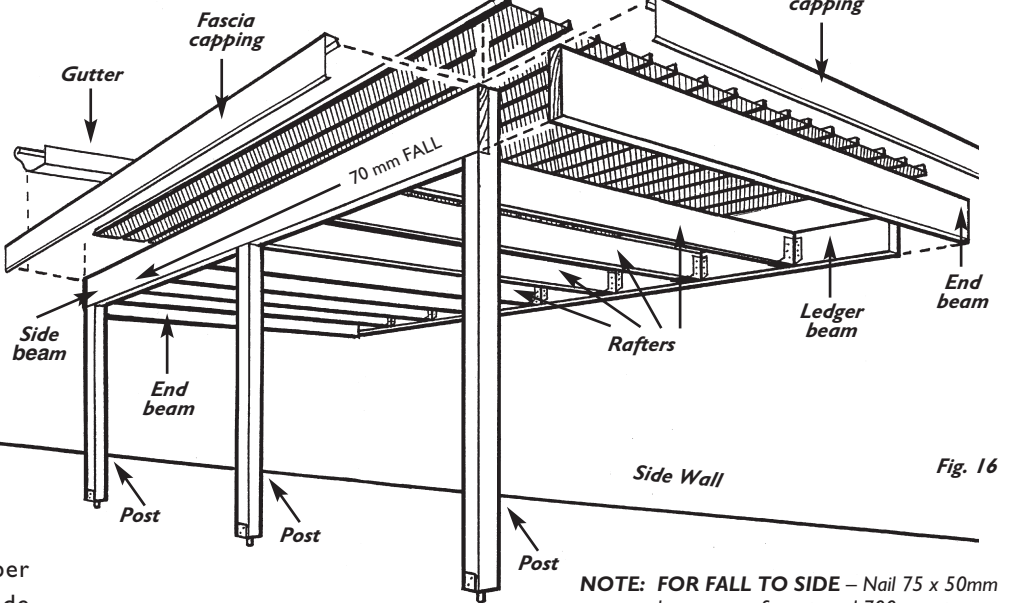
To fix 7 rafters, nail joist hangers to ledger and side beam spaced 800mm apart and square to beam. Measure and cut rafters and attach to joist hangers with appropriate nails (Fig. 12). Check that top of end beams and rafters are in line.

BRACING

Fix hoop iron bracing diagonally to top of structure using 25mm galv. clouts.



EXPLODED DIAGRAM OF HOUSE ATTACHED DESIGN WITH FALL TO REAR



NOTE: FOR FALL TO SIDE – Nail 75 x 50mm battens to rafters spaced 700mm apart. Measure posts 2365mm from ground for 35mm fall and fix gutter to sidebeam.

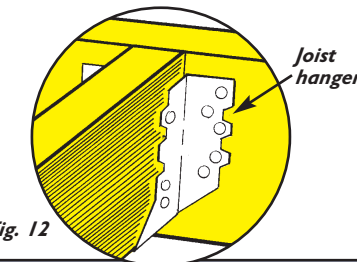


Fig. 12

PAINTING

Before attaching roofing apply a coat of paint or stain. Bowens can help you select the right type and colour of your choice.

ROOFING

We recommend Stramit "Speed Deck 500" Zinalume or Colourbond tray deck roofing (Fig. 13). Attach clips and roofing sections according to manufacturers specifications.

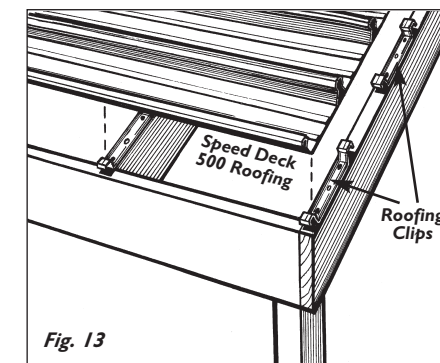


Fig. 13

P.V.C. GUTTER & DOWNPIPE

Nail gutter brackets 100mm from each end of rear beam. Space remaining brackets 600mm apart. Allow for 20mm fall towards downpipe (Fig. 14). Cut gutter to correct length and slide rainhead into position. Fasten rainhead to

fascia but do not glue to gutter. Glue stop ends and clip gutter to brackets. Fix downpipe to post with clips and connect to stormwater drain.

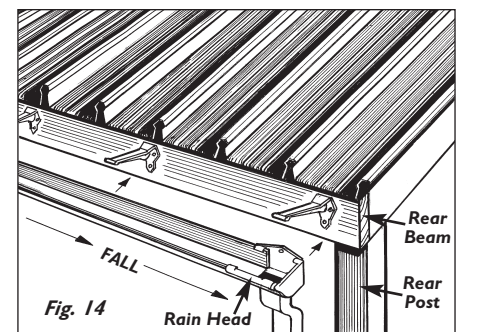


Fig. 14

FASCIA CAPPING & FLASHING

Fix Zinalume or Colourbond capping to front and side of structure (Fig. 15) and attach Zinalume flashing to wall and roof.

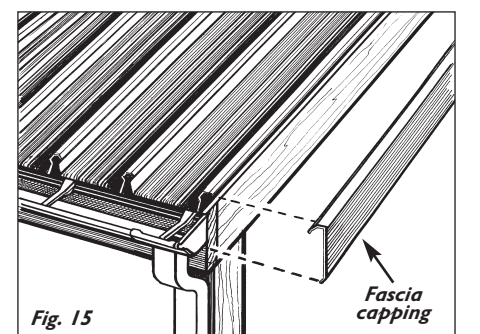


Fig. 15

FINISHING TOUCHES

Apply a second finishing coat of paint and paint the capping and gutter to same colour as structure.