

# **GARDENSTAR**

## **Installation Instructions**

### Gable Truss Roof units

---

#### **Queries, orders, customer support**

Southland Industries Pty Ltd  
PO Box 399  
Moonah TAS 7009  
Freecall 1800 656 771  
info@southlandind.com.au

---

#### **Attention**

Carefully read through the IMPORTANT NOTES and the following installation instructions before installing your GARDENSTAR product. These must always be issued to the owner/user

---

### **IMPORTANT NOTES**

- Do not attempt to install shed in windy weather.
- For installing the Gable Truss sheds, you will require 2 helpers.
- To prevent serious injury gloves must always be worn when handling steel sheet
- The site for the shed must be level, otherwise the panels will not fit together properly. We strongly recommend that sheds be installed onto a concrete base.
- To successfully weather-proof your GARDENSTAR unit, we recommend you rebate the concrete base, see page 7.
- Sheds installed without adequate anchoring to timber or concrete base could be extensively damaged in windy weather. GARDENSTAR timber and concrete anchor kits are available through your retailer.
- When installed, ribs in sheeting face outwards for all panels.
- The roof is not designed to be walked on.
- Remove all metal swarf immediately after installation, or rust staining may occur.
- Please note that damage caused to the steel by chemicals, such as pesticides and herbicides is not covered by the guarantee. View the GARDENSTAR guarantee visit [www.gardenstar.com.au](http://www.gardenstar.com.au)

## 1. Slab Dimensions

SHED SIZE (m) Length x Width	SLAB SIZE (mm)		No. of Anchors
	Length	Width	
4.50 x 2.25	4550	2320	14
4.50 x 3.00	4550	3070	14
4.50 x 3.75	4550	3820	14
5.25 x 2.25	5290	2320	16
5.25 x 3.00	5290	3070	16
5.25 x 3.75	5290	3820	16
6.00 x 2.25	6040	2320	18
6.00 x 3.00	6040	3070	18
6.00 x 3.75	6040	3820	18
7.50 x 2.25	7540	2320	18
7.50 x 3.00	7540	3070	18
7.50 x 3.75	7540	3820	18

**For details on rebating concrete slabs for improved weather-proofing, see Step 9**

## 2. Tools required

- Electric drill
- 1/4" Hex head driver (8 gauge)
- 8mm Masonry drill bit
- 2 x Vice grips
- Pliers
- Step Ladder
- 4 Timber Props, approx. 2.5m long  
Useful for holding the walls during erection
- (Rivet gun with nozzle  
If T-Handle ordered)

### 3. Identification of Parts

#### Fixings

Pack of hex head screws

Pack of anchor brackets and bolts for concrete (Includes a bracket, a bolt and washer, and a dynabolt (for concrete) or coach screw (for timber), for each anchor point.

#### Front Panels

Two panels, one containing the door, unless the shed was ordered with door in the gable.

On one of the ends where the panels are to be joined together, the channels are cut back to allow overlap of ribs, see Drawing 1.

Edges to be joined are marked "Join A to A" ; "Join B to B". (The other ends have flashings attached).

#### Back Panels

Two plain panels, one with channel cut back to allow overlap of ribs. (Flashing attached at ends).

#### End Panels

Two gable ends, with door installed if specially ordered in this configuration.

#### Roof Panels

Four panels, each with flashing on one end, and channel cut back at ends of two panels to allow overlap of ribs. Marked "Join C to C" and "Join D to D".

#### Ridge Beams

Two ridge beams, each with one end trimmed to allow for overlap.

#### Roof Truss

One welded truss to support roof panels at junction point.

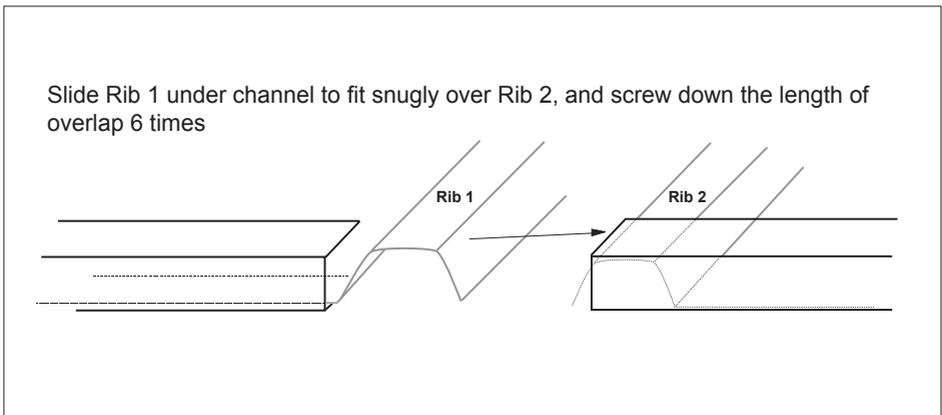
#### Optional Extras - Items supplied separately, if ordered

*Louvre Window* - If ordered with shed, one wall panel will have cut-out to receive window frame supplied. Pack of 5 sheets of glass

*Locking T-handle* - Satchel including a handle, a back plate, 3 rivets and 2 keys

*Shelf Kit* - 2 Galv tube brackets, 3 Galv shelves

DRAWING 1



## 4. Setting up the Panels

Lie the two Back Panels face up on the ground and bring the joining edges together (A to A) so that one rib overlaps the other and fits snugly, see Drawing 1.

Ensure that the bottom of the wall is in line. Screw through the overlapping ribs at five evenly spaced points.

Repeat the joining process for the two front panels (B to B).

Join the Roof panels (C to C) and (D to D) as described above. Make sure that the arrows on the roof end flashing both point to the same edge.

Attach the Ridge Beams to the top of one roof panel. Turn one of the joined roof panels upside down and slip the ridge beams (also upside down) on to the edge of the panels as directed by the arrows on the flashing. Ridges should overlap at the junction.

Fix through the ridge beam hat section into the roof channel at approximately 450mm intervals.

## 5. Erecting the Wall Panels

Put the back wall in place and hold vertical with timber props at each side. Fit one gable end into place at the corner, nesting it into the channel cut-out at the top and bottom. (It may be necessary to bend the cut-out channel ends open a little to accept the side wall).

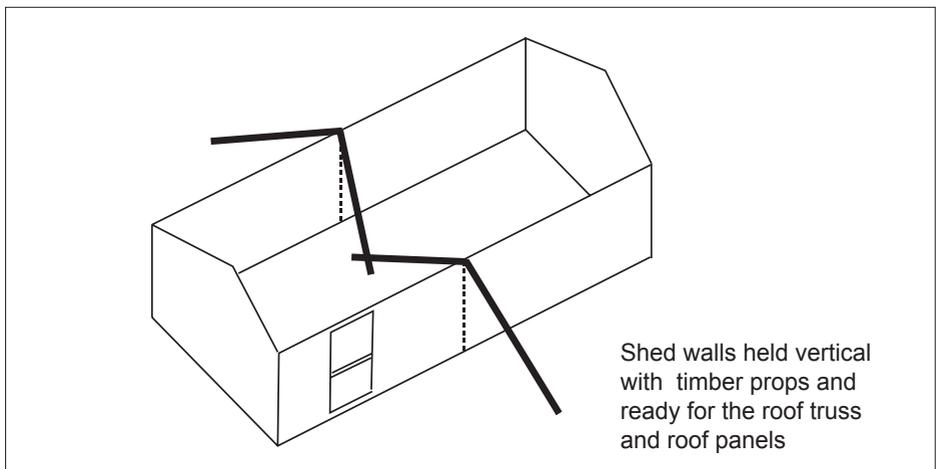
From the outside drive the hex head screws through the trim flashing at the corner into the rib behind. Use five screws evenly spaced for each corner.

Repeat the procedure for the other end panel.

Bring the Front (door) panel up to the side walls and fasten each corner as before. The four walls are now securely fastened.

Square the shed walls, the diagonals must be equal, using the timber props to hold the walls vertical, see Drawing 2

DRAWING 2



## 6. Fixing the Roof

Fit Roof Truss saddles onto the walls so as to support the roof panels at their junction. Do not at this time fasten it to the walls.

Lift the section of the roof with the ridge beams attached and slide it up the slope of the gables and truss until the ridge beam is centered over the apex of each gable end wall. Fix the flashing at the ends of the roof panel to the channels on the slope of the gable end. Space fastenings at approximately 500mm.

Now slide the second roof section up the slope of the gables into its slot in the ridge beam, making sure the arrows are to the top, see Drawing 3.

One of the helpers should be inside the shed to guide the edge of the roof into the slot in the roof beam. Make sure the roof panel is pushed fully home. Clamp with Vice-grips.

Working inside the shed, fix through the ridge beam into the roof channel at approximately 750mm intervals.

Fix the flashing at each end of this second roof section into gable end channel.

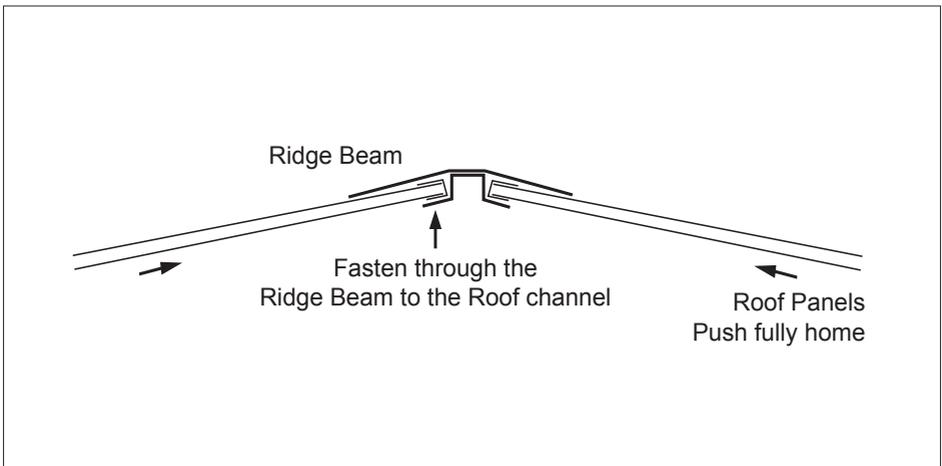
Check that the roof truss is located accurately under the junction of the roof panels and adjust if necessary.

Fix the plate on top of the truss to the underside of the beam with one fastening at each corner of the plate. **DO NOT OMIT THIS STEP**

Fasten the saddles at each end of the truss to the top wall channels.

Finally, the roof must be fastened down to the front and back wall. Check that the walls are in a straight line, fasten through the roof into the top wall channel from the top at approximately 500mm intervals. Bend in the end of the roof flashing to eliminate sharp corners.

DRAWING 3



## 7. Fixing Optional Extras

### Louvre Window

Place the Window frame in the cut-out with the larger skirt to the top, line up edge of the frame with all ribs and drill and fix on the sides and along the bottom. Insert glass from inside the shed.

### Fixing a Shelf Kit

Choose position for the shelf unit on a straight wall in order to hang level. Mark the location of each bracket, approx 130mm in from either end of the final position of the shelves.

Hang the Brackets over the top of the unit wall. From the inside of the unit, fix the tabs located at the lower end of the bracket, into wall.

Place the shelves on the Bracket arms, with the U-shaped groove fitting over the bracket ends. To complete the unit, fix up through the underside of the shelf into the frame.

### Fixing a Locking T-handle

Locate pre-drilled holes on door, 2 smaller holes either side of a larger hole.

Place the T-handle in the larger hole with the shaft projecting at the back. Fix the T-handle in place.

Slide the back bar onto the shaft and fix by tightening the grub screw.

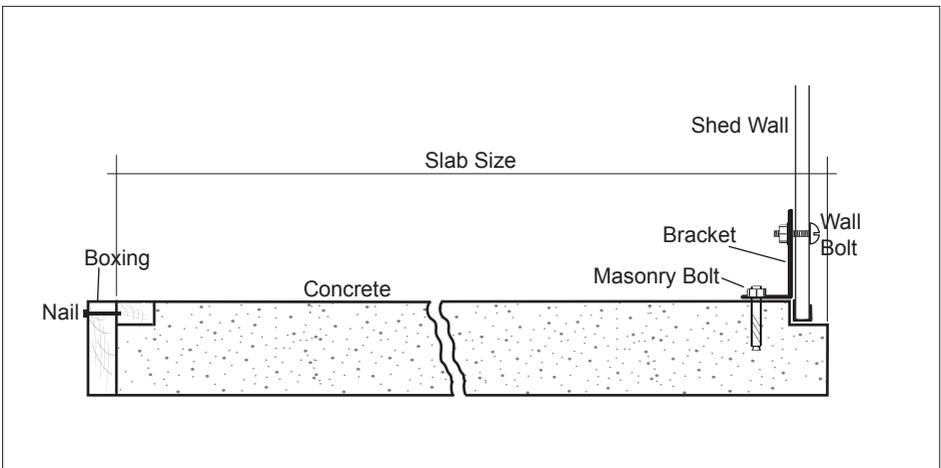
## 8. Adjustment of Door Bolt

If the site is not quite level, the padbolt may not slide easily into the hasp.

This may be adjusted by levering up the wall and packing beneath it, either immediately below the bolt or immediately below the hinges. A trial will soon show which is required.

This adjustment should be made before final anchoring of the Door panel to the Base.

DRAWING 4



## 9. Unit base / Anchoring

It is essential to firmly anchor the Shed / Aviary as soon as erection is completed, otherwise there is risk of damage by wind.

### **Rebated Concrete Base (Recommended)**

A concrete slab with a stepped edge as illustrated below will prevent rain water from trickling under the wall of the shed.

The size of slab required for the unit you have selected is listed on page 2.

These dimensions are the inside measurements for your boxing. Ensure the boxing is level at the top edges, the diagonals are equal length, and it is securely staked.

To rebate the edge attach 50 x 25mm dressed pine to the inside top edge of your boxing as shown in Drawing 4.

### **HELPFUL HINT...**

In practice, it is much easier to put the 50 x 25mm dressed pine timber in place after placing the concrete. This helps you to ensure that the section underneath it does not have bubbles or gaps.

You can do this by cutting the 4 pieces of 50 x 25mm timber to the correct length. Place and screed the concrete so that it is level.

Place the 50 x 25mm timber on its flat in position level with the top edge of the boxing by

tapping it down into the wet concrete, and fix it in place with nails or tek screws.

After the concrete has been placed, screeded and finished it should be left for 2 days before the boxing is removed

Leave for one week before installing your GARDENSTAR unit, to allow it to gain enough strength to hold the masonry anchors.

NOTE: Spacing between anchors should not exceed 1500mm

### **Basic Concrete Base**

Sheds may be anchored to the ground using 450mm long angle spikes and a concrete slab poured inside.

If this method is used, you will need to line the lower section of the wall with building plastic film (such as Fortecon) to prevent the wet concrete coming in direct contact with the steel panel. This can be taped against the wall above the required floor level, and trimmed neatly when the concrete has cured.

### **Existing Concrete Base**

Sheds may be fixed to an existing concrete slab using a Gardenstar concrete fixing kit (Anchor brackets and bolts). The correct size masonry drill necessary for the masonry bolts supplied is 8mm diameter.

NOTE: Spacing between anchors should not exceed 1500mm

### **Timber Base**

Units may be fastened to a timber floor using anchor brackets and coach screws.

It is essential that the timber floor is secured to concrete or timber piers firmly embedded in the ground.

Trademarks used in this document are protected and registered trademarks of the respective holder.

© GARDENSTAR All rights reserved.

Reprints are only permitted with special approval.