ALTON

6'x 6'
OCTAGONAL CEDAR GREENHOUSE

ASSEMBLY INSTRUCTIONS

PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING

11/04

6'x6' OCTAGONAL CEDAR GREENHOUSE
Assembly Instructions

Contents Page

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Ref: 501

OCTAGONAL GREENHOUSE 6′ x 6′

Introduction

Thank you for buying an Alton Cedar Greenhouse. Please read carefully through these instructions before beginning to put your greenhouse up.

Safety advice

It is advisable that the greenhouse should be assembled by two people. Particular care should be taken when handling glass and the wearing of gloves is strongly recommended. Favourable weather conditions should be chosen. Do not try and erect the building in windy conditions - the panels can be difficult to handle in high winds.

All side frames should be suitably propped until the roof frames are secured.

Keep children and pets away until the work is finished.

Take your time - rushing causes accidents.

Fitting service

Please call your local dealer if you would like to have a quote for the erection of your greenhouse by an installer.

Siting your greenhouse

The choice of position may be limited but it is advisable to consider the following advice.
A flat level site is essential and further information on the preparation of the ground is given below.

It is necessary to leave sufficient working room around your greenhouse when you're putting it up and also to allow for the possible need to replace a piece of glass in the future.

If possible try and leave a space of 2ft (610mm) around the greenhouse.

Locate the greenhouse where there is maximum amount of sunlight and avoid if possible any shade from trees, fences or other buildings.

Over hanging branches can be a particular nuisance and should be avoided.

Choose a site where the greenhouse is relatively easy to get to and convenient to bring water to and possibly a supply of electricity.

Finally, and most importantly choose a site where your Alton Greenhouse will look right as it will be a compliment to your garden.

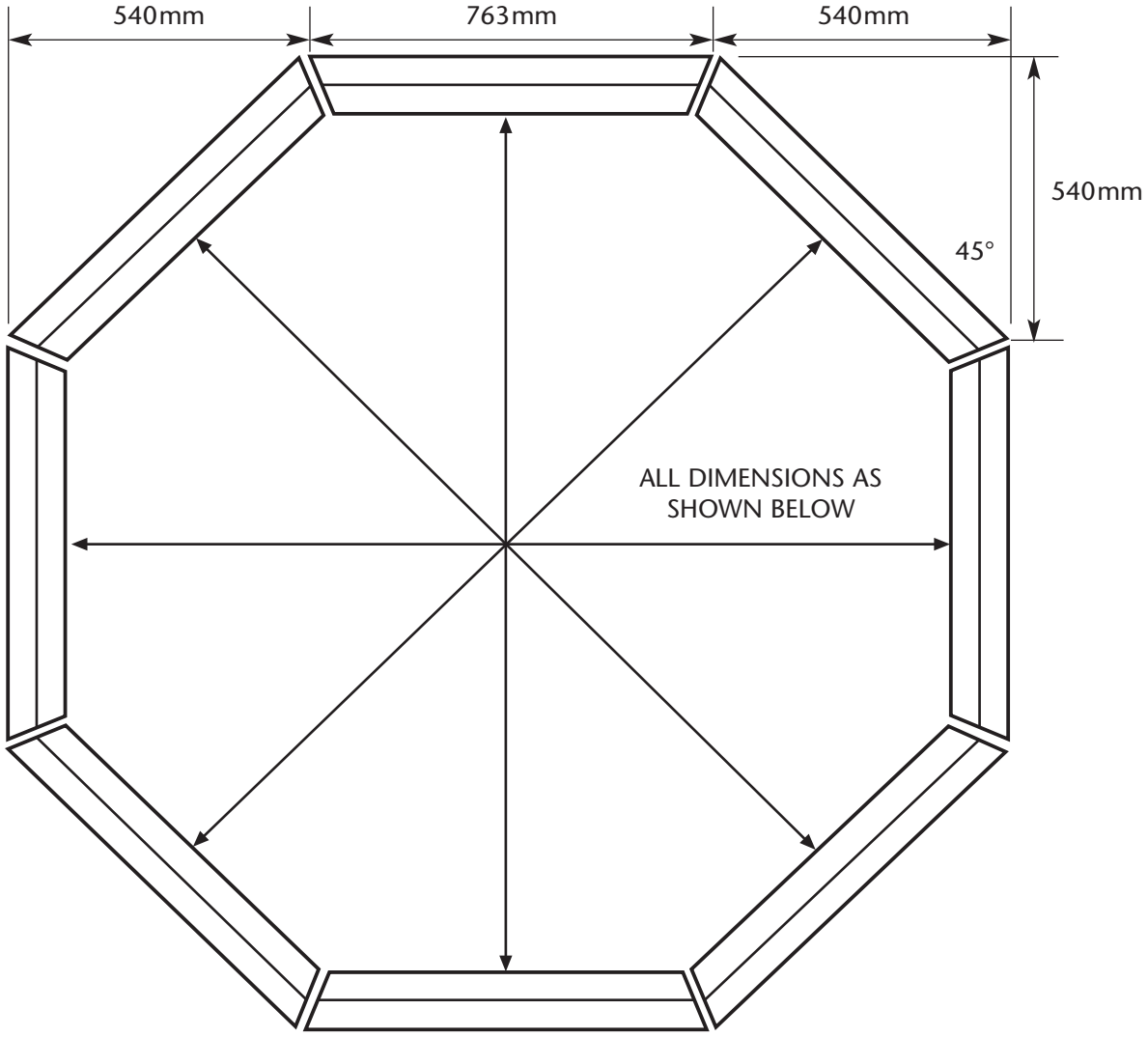
Unpacking the greenhouse

Carefully remove all the packaging. If using a knife be careful not to cut into the Cedar wood.

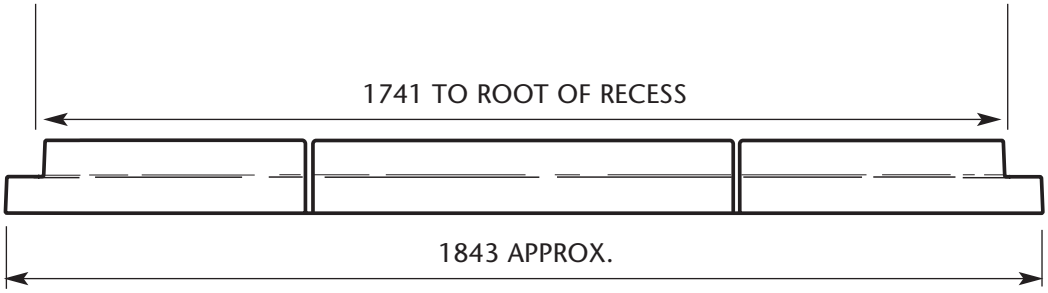
REMOVE THE TRANSIT SCREWS THAT SECURE THE SIDE VENTS AND DOOR. THESE CANNOT BE REMOVED ONCE BUILDING ASSEMBLED.

6'x6' OCTAGONAL CONCRETE BASE

THESE DIMENSIONS ARE APPROXIMATE ONLY



NOTE: **1741mm IS A MAXIMUM DIMENSION, HOWEVER IT IS ACCEPTABLE TO BE 2 OR 3mm UNDERSIZE**



KERB LAYING

1. Site preparation

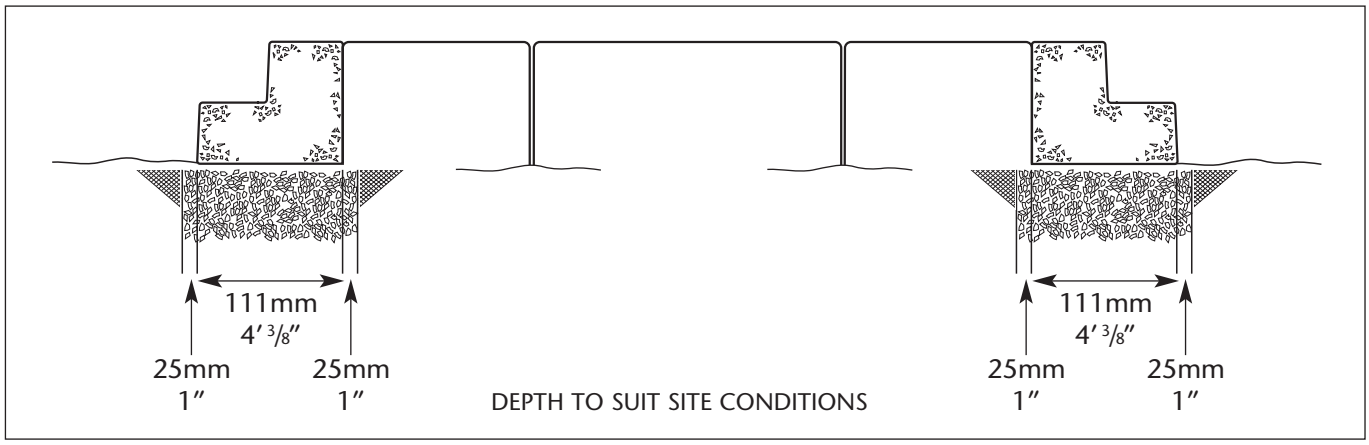
It is essential that the concrete base kerbs are laid on firm level ground that is unlikely to let the greenhouse sink into it after a number of years. If the site for the greenhouse is not firm, level or well drained it is advisable to lay concrete footings as illustrated, or lay paving slabs. The depth of footings will depend on the nature of the ground on your site. For practical purposes a spade's width and depth may be preferred.

3. Grouting

Grout joints between the kerbs after assembly with sand/cement mortar mix.

4. Important note

It is vital that the footings are level and sited on firm ground. If not, this will undoubtedly affect the construction of the greenhouse.



2. Setting out the concrete kerbs

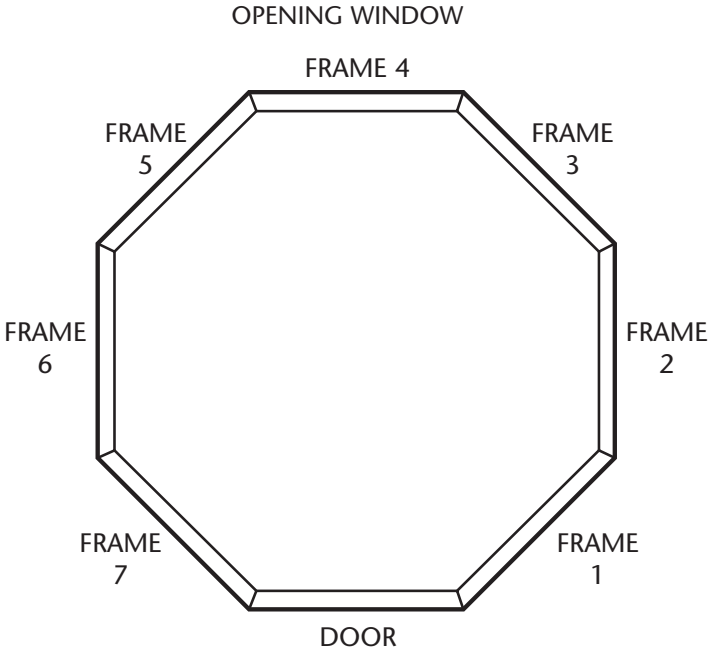
The kerbs should be laid out according to the dimensions given opposite.
Check the diagonal measurements both ways to ensure squareness.
As a result of the manufacturing process the kerbs can in some cases be uneven on the underside and may need to be bedded on a dry sand/cement mix to correct any inaccuracy.

SIDE ASSEMBLY

It is advisable to choose a calm day before proceeding with assembly, and to have extra help to hand when erecting the side and roof frames.

The following tools will be required:-

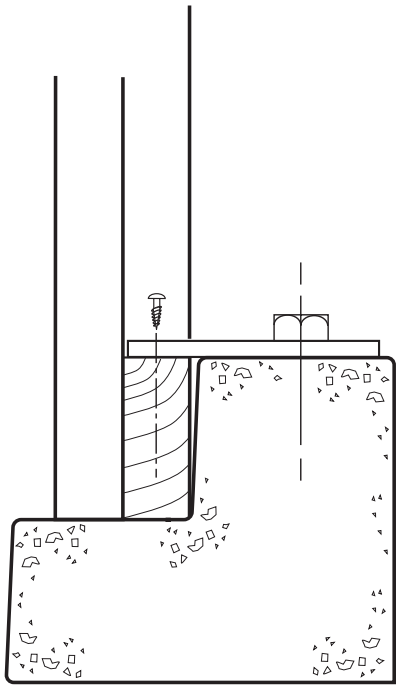
Small hammer
Screwdrivers - slot and posi-drive
Drill
Drill bits 8mm, 4mm and 15mm
Stepladder (reasonably tall)
Bradawl
Spirit Level
Spanner (17mm)
Tape Measure
Mastic Gun



EXAMPLE LAYOUT

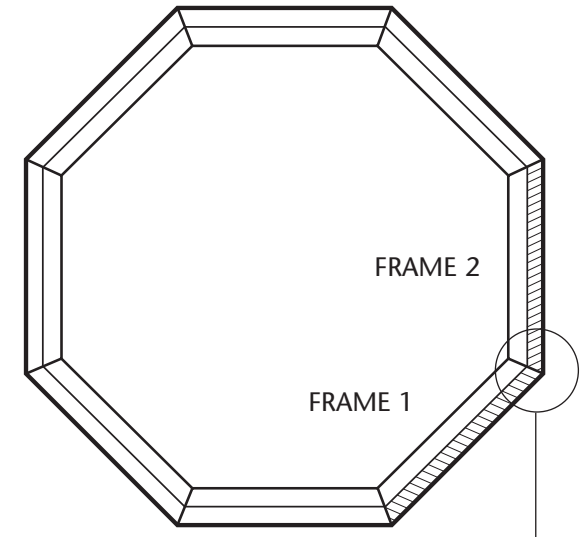
Start by deciding the required position for the opening window(s) and door.

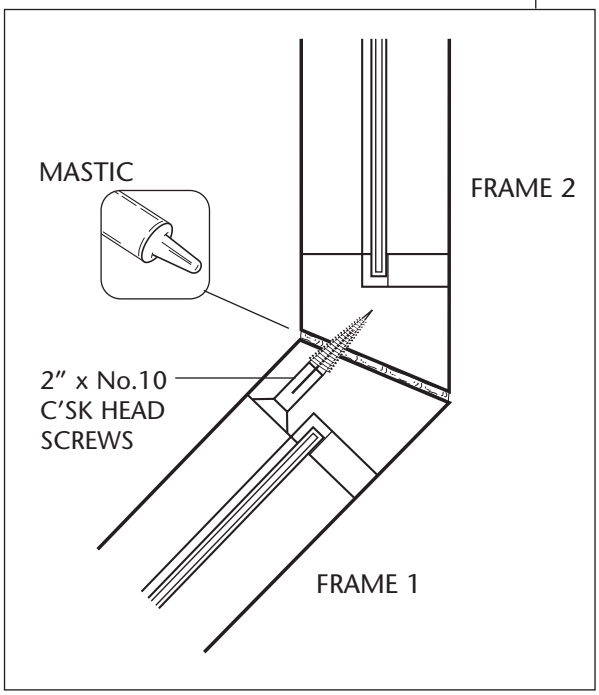
Proceed with assembly of frames.
Starting with frame 1 placing it in the rebate of the base plinth, securing it in position with a base plinth fixing bracket 16-1306 and M10 x 16mm bolt 02-1562.
Screw bracket to frame using 1" No. 8 round head screws 02-1852.



It will be necessary for the first frame to be held upright at this stage whilst a 6mm bead of mastic is applied to the left hand edge of the frame.
(That is looking at it from inside the building)

SIDE ASSEMBLY *continued*





Continue to hold frame 1 steady, whilst frame 2 is offered into position as shown and secured using 2" x No.10 countersunk head screws 02-1826

Safety Note

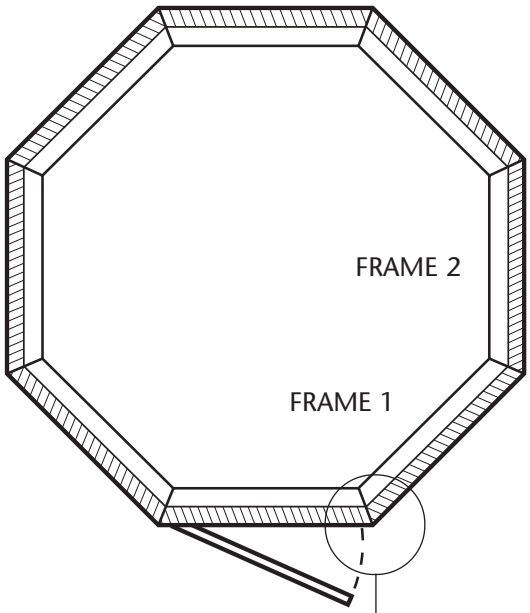
It cannot be emphasised enough at this stage how important it is to hold the sections steady. As the number of frames increase, so the area for the wind to blow against it increases, additional help is essential.

Ideally 3 or 4 persons should be used to hold the frames whilst they are fixed in position. Alternatively use props to support the frames, positioning and securing these in such a way so as not to break any glass.

Continue to mastic each panel edge and offer the panels into position securing as before.

It may be desirable to place an opening window panel in frame 4 position, as this will give maximum through ventilation opposite the door position. However it may be placed in any other position to suit individual taste.

SIDE ASSEMBLY *continued*

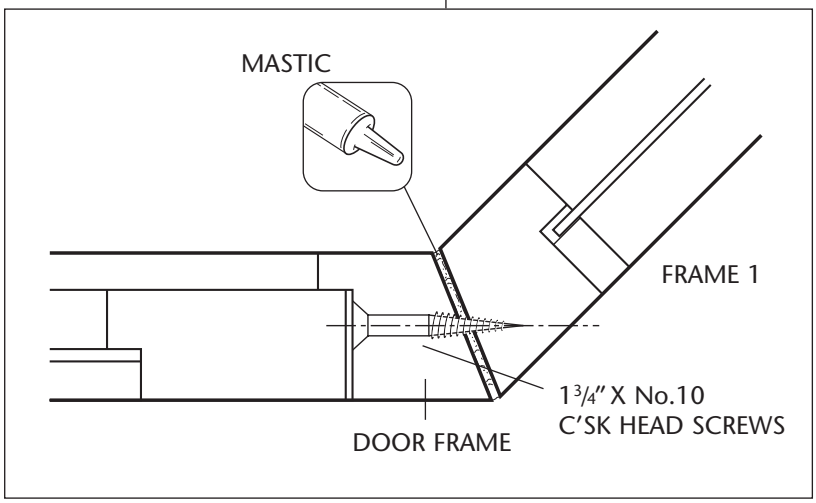


Still holding the frames secure, the door frame may be placed in position now.

Remember to put a 6mm bead of mastic down both edges of frame.

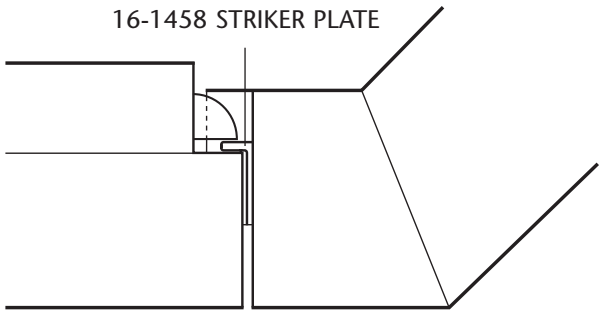
Note that the last joint has 1¾" countersunk x No.10 screws 02-1822 securing it.

NOTE: **Note that base kerb fixing bracket (16-1306) is not used in the door position.**
A countersunk bracket is supplied 16-1459. Secure with CSK. Bolt M10 x 16 02-1556 and ½" x No. 6 CSK. Screw 02-1804.

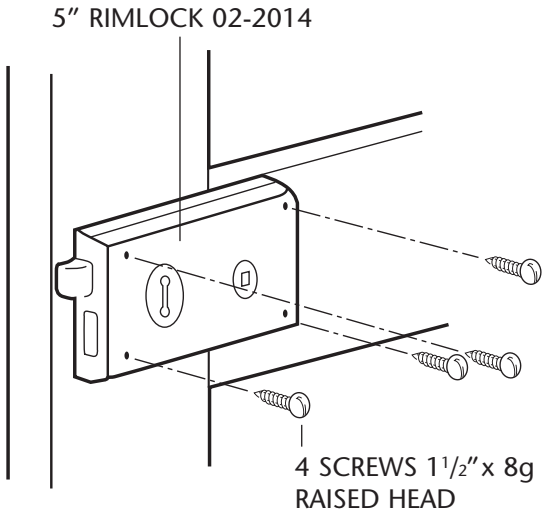


DOOR FITTING

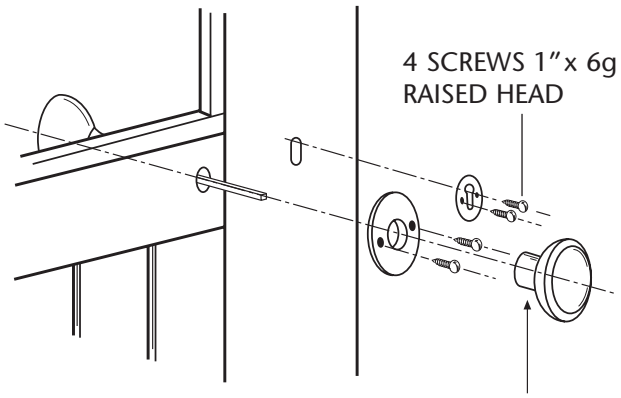
Offer rimlock into position and with the door fully closed, position the striker plate as shown and secure with 1" X No. 8 screws (02-1810)



Position the rimlock in line with the striker plate so that the pawl will adequately project past the striker plate. Temporarily secure with 2 screws, No. 8 x 1½" black jap round head and mark position for keyhole and spindle. Remove lock and drill 15mm hole for spindle and 8 x 22mm slot for the keyhole. Ensure the spindle turns freely, then secure the lock using 4 screws.

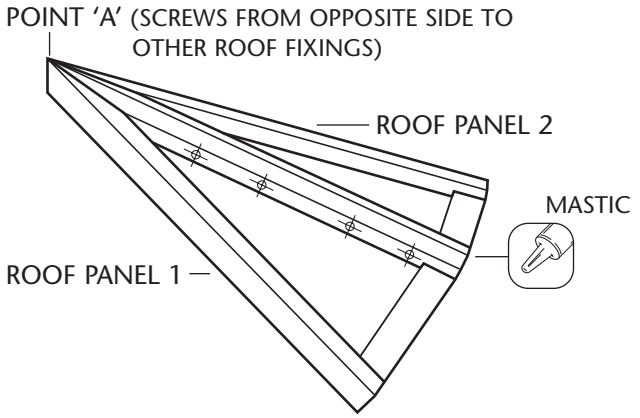


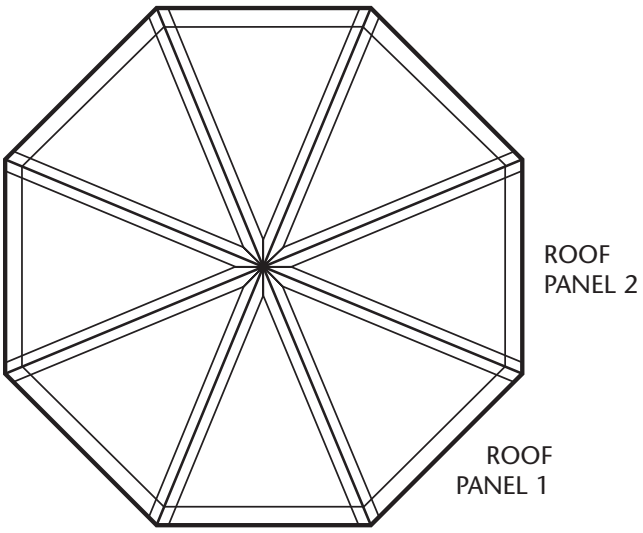
Fit the door knobs and keyhole escutcheon as shown. The door knobs are secured with 2 self-tapping screws.

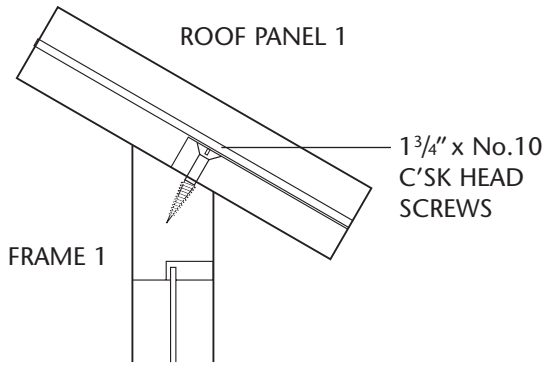


VIEW FROM OUTSIDE

ROOF ASSEMBLY







It is recommended that the assembly of the roof is completed at ground level and with assistance lifted into position, unglazed, when completed.

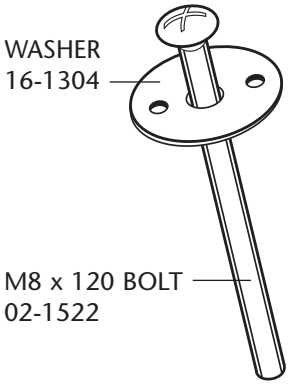
1. Apply a 6mm bead of mastic to the right hand edge of roof panel 1 (viewed from outside). The mastic should be towards the top face to ensure a good seal along the abutting faces.

2. Offer roof panel 2 up now and make sure it fits flush with the side panel joints as previously shown. Secure with 1½" x No. 10 countersunk head screws.

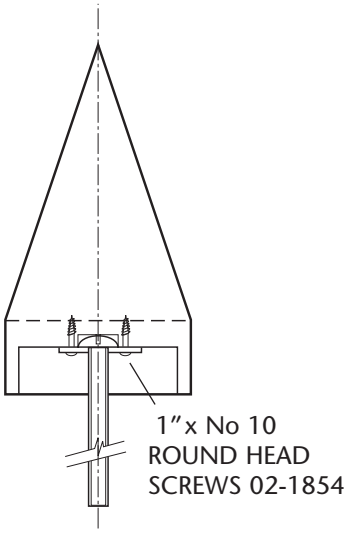
3. It will be noted at point 'A' that there are two hole positions, use only one hole, top hole for first frame and lower hole for the next and so on. This is to prevent screws from clashing in this confined area. Use screw size 1½" x No. 10 countersunk head.
When assembling frame No. 8 it is impossible to place a screw at point 'A', however it should fit snugly, and generous amounts of mastic should be applied.
Clean off any surplus mastic that squeezes out of the joints, by carefully scraping it away using a thin piece of plastic or wood as a spatula.

4. With assistance lift the completed roof into position and by carefully moving the roof the correct position will be found, make sure that the roof panels have an even overlap all round before securing with 1¾" x No. 10 screws.

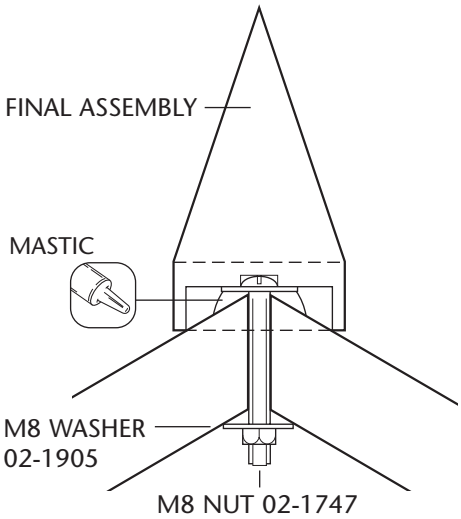
FIXING FINIAL TO ROOF



Place washer 16-1304 onto M8 x 120 bolt 02-1522 as shown



Offer bolt/washer into finial and secure with 1" x No. 10 roundhead screws 02-1854



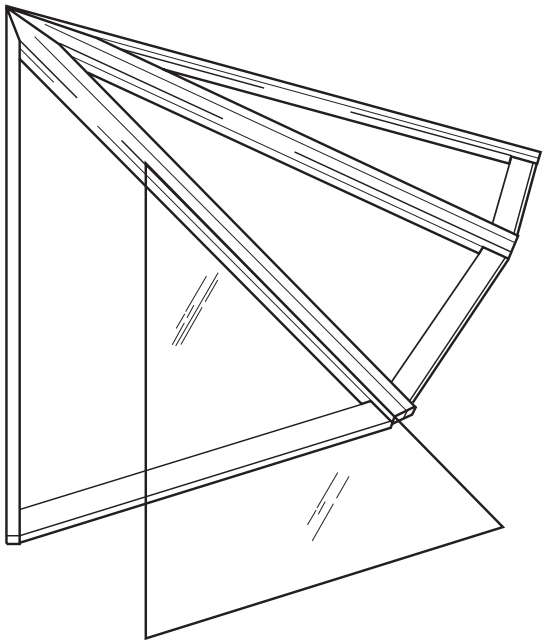
Before the finial assembly can be fitted to the roof, it will be necessary to bore a hole 8mm dia up through the roof at the centre where all the sections meet

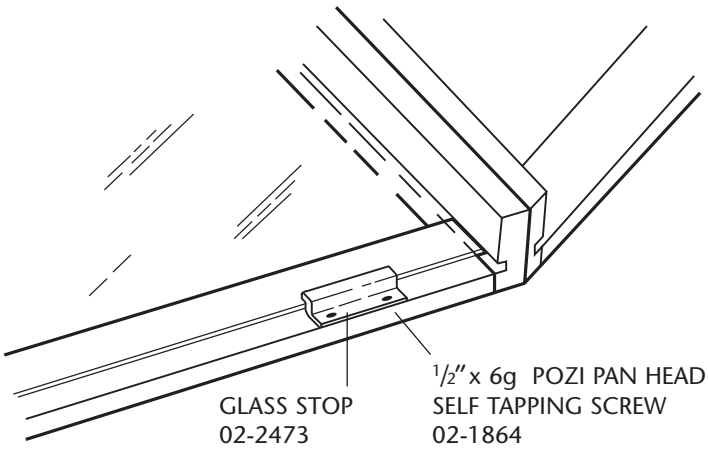
FIXING GLASS TO ROOF

Safety Note

It is advisable to wear suitable gloves when handling glass.
Make sure that the glass grooves in roof panels are free of splinters etc.

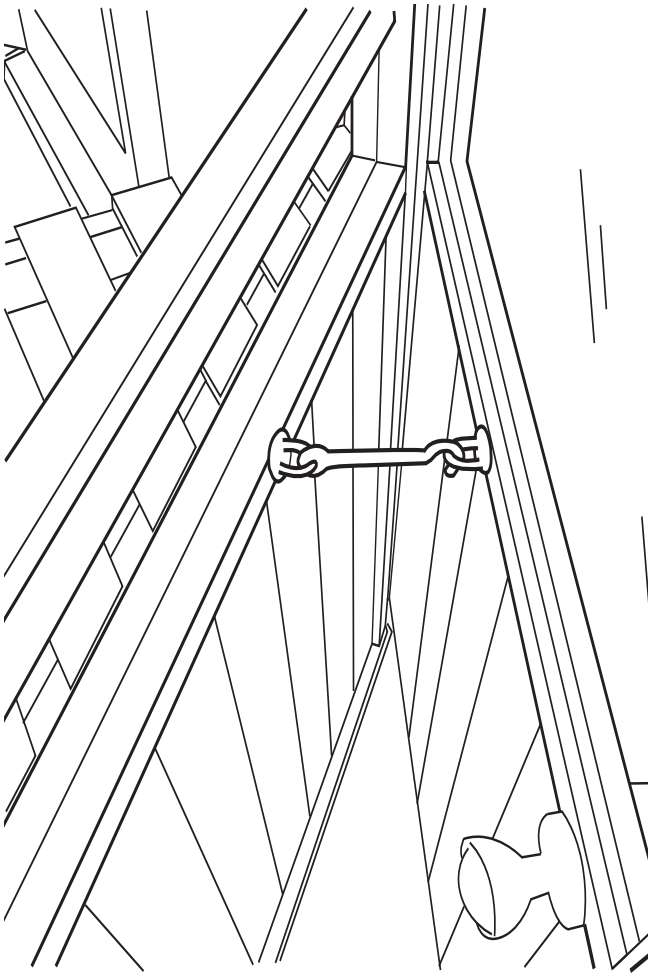
Offer a glass panel to a grooved member on one side of roof panel as shown, and slide up in direction of arrow. Extra help will be required at this stage inside the greenhouse to feed the other edge into the adjacent groove.



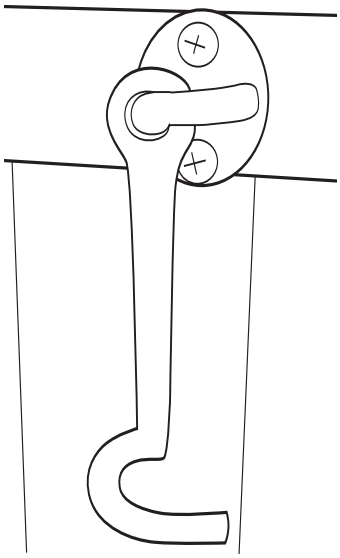


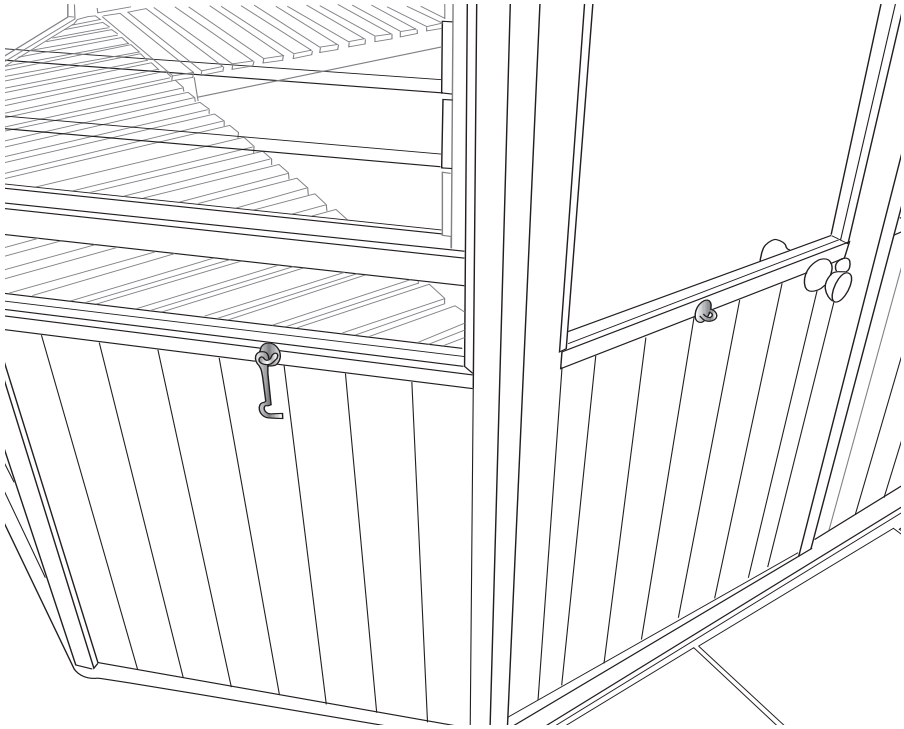
When the glass is fully home, secure with two glass stops

FITTING CABIN HOOKS



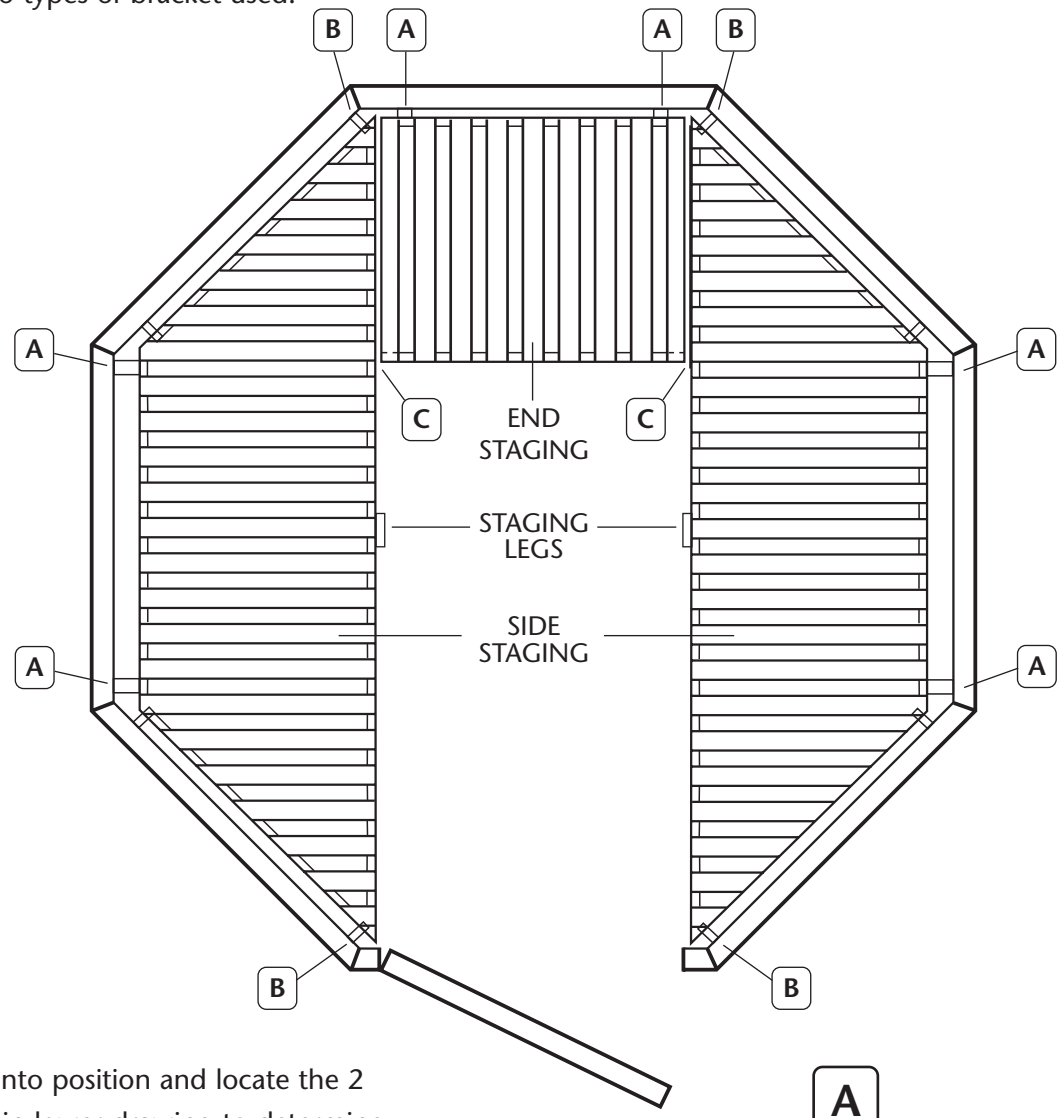
The plates to which the hook and staple are attached are about the same height as the mid rail and bead to which we have secured them. Therefore it is very important to provide a pilot hole (a bradle will do this easily enough) so that the screw does not split the timber when screwed into position. Screws are 02-1849 3/4 x 8 Pan Head Black





SIDE & END STAGING *optional extras*

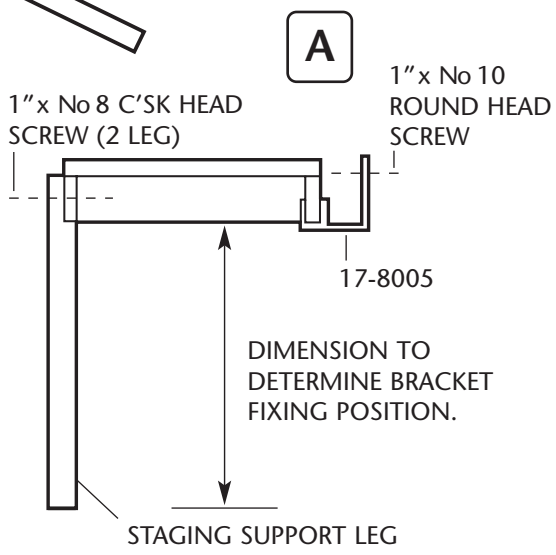
The plan below shows the layout of side and end staging, and the reference at **A**, **B** and **C** show the locations of the two types of bracket used.



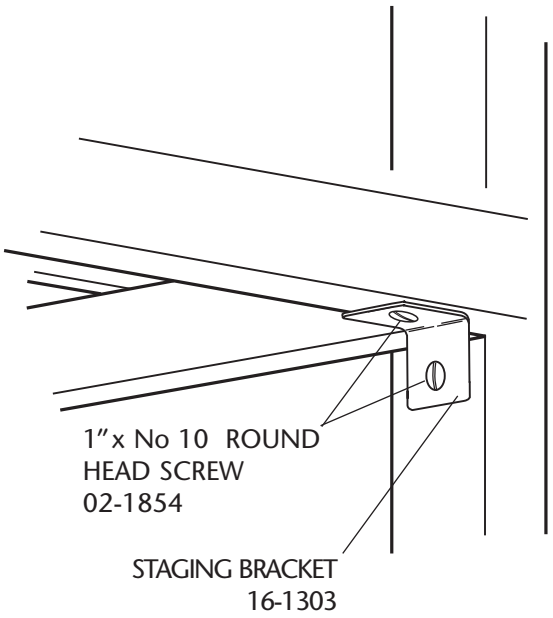
Offer the side staging into position and locate the 2 support legs as shown in lower drawing to determine height of staging.

Place a staging bracket 17-8005 under the back rail of staging, and after levelling mark the position of the bracket on the mid rail of the wall panel.

Repeat this operation at all points A for the side staging. Refer to points B, which show the positions of angle brackets 16-1303.



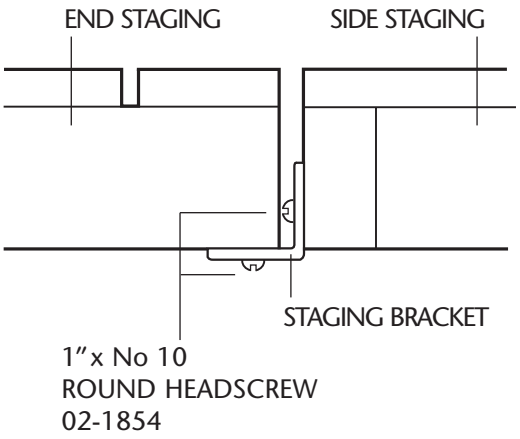
SIDE & END STAGING *continued*



B

Refer to sketch on the left and all points marked B on the previous page.
These show the positioning and fixing of the 90° staging bracket 16-1303 secured with 1" x No. 10 round head screws 02-1854.

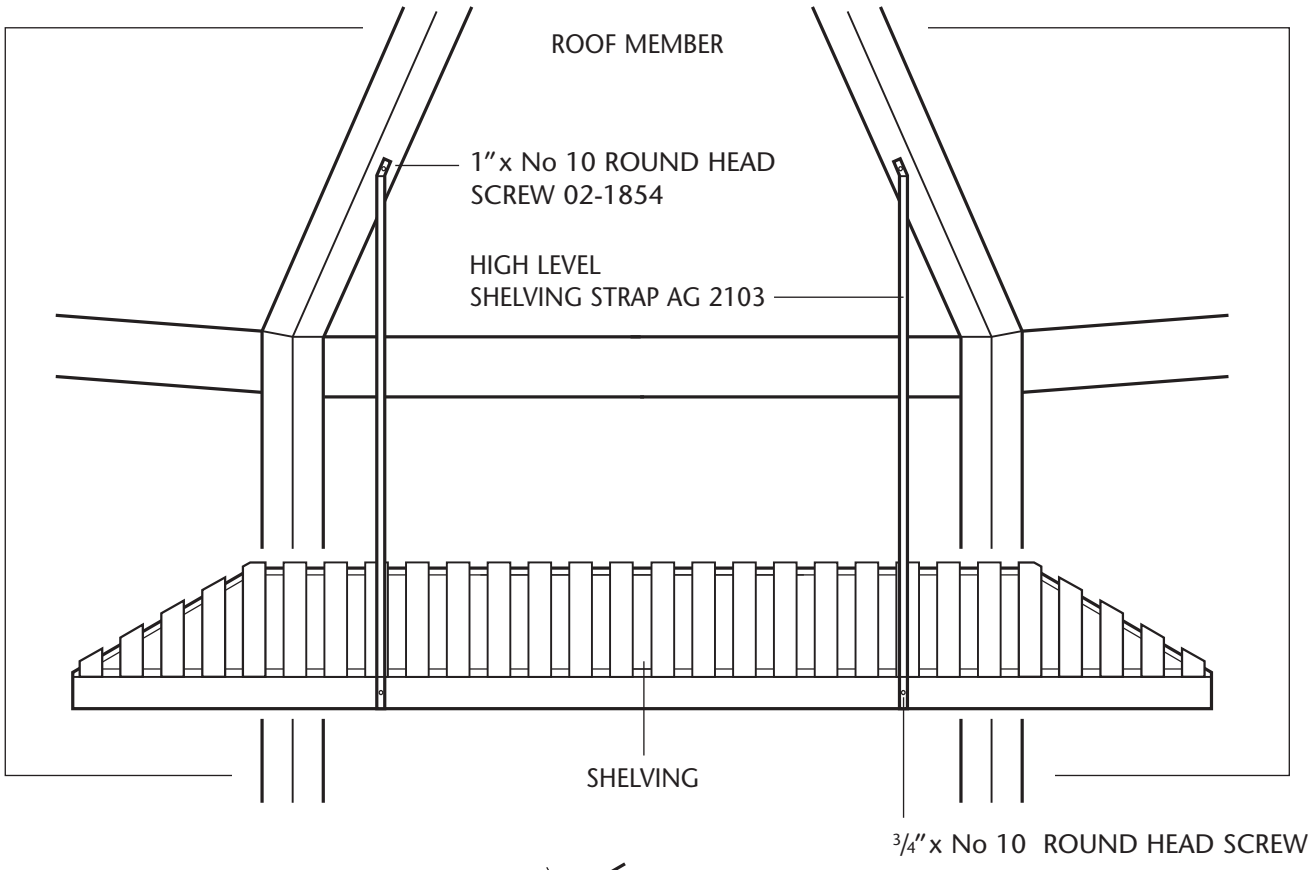
The lower sketch refers to fitting the end staging.

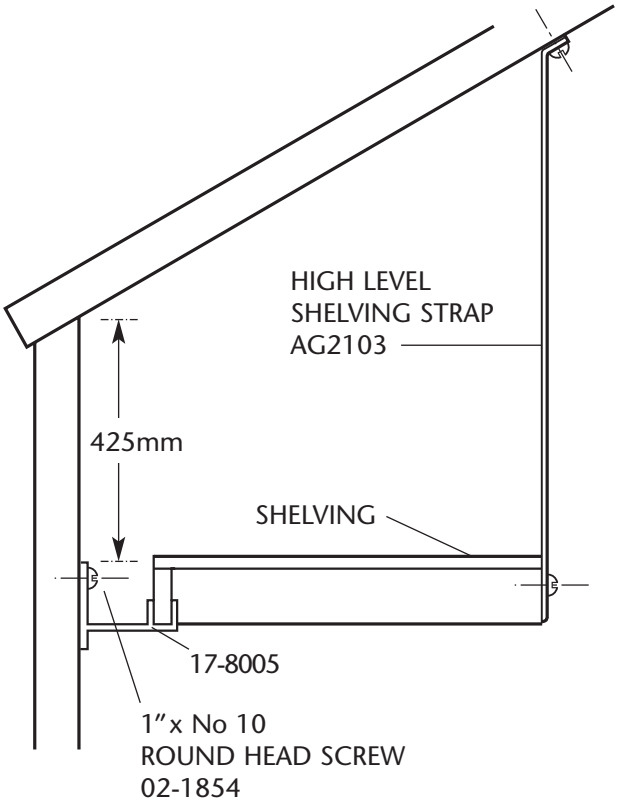


C

Fit 2 staging brackets 17-8005 as shown at point A on the previous page.
Now offer up the end staging to position the angle brackets 16-1303 at point C. These should be mounted flush with the end staging, and secured to the side staging as shown with 1" x No. 10 round head screws.

HIGH LEVEL SHELVING *optional extra*





The high level shelving is mounted above the side staging. Mark the position of each staging bracket 425mm from the top of the side panel as shown, and secure the 2 brackets with 1" x No. 10 round head screws 02-1854.
Now screw the shelving straps to the outside face of shelving rails and flush with the bottom face.

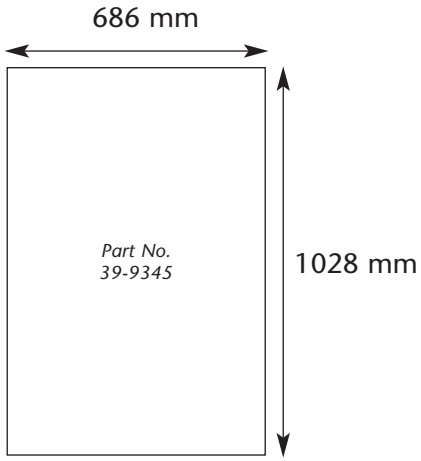
The assembly can now be placed in position with the rear rail located in the staging supports as shown, and the tops of the shelving straps secured to the roof members with 1" x No. 10 round head screws 02-1854.

The rear shelving is secured in the same way but is rectangular, ie: does not have angled ends.

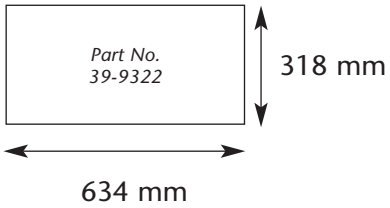
6'x6' OCTAGONAL GREENHOUSE GLASS DETAILS

4mm TOUGHENED GLASS TO BS 6206 CLASS A

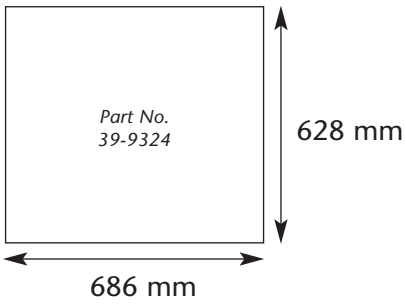
SIDE PANEL GLASS



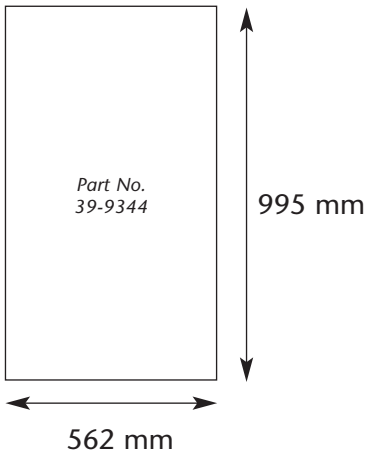
WINDOW GLASS



UNDER WINDOW GLASS



DOOR GLASS



ROOF GLASS