ASSEMBLY INSTRUCTIONS City Growhouse

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Video instructions: Helpful video clips are available at

www.garden-products.co.uk/instructions

Can we improve? We hope that you find our instructions clear and concise. If you have any suggestions for improvements email:

> instructionfeedback@gardenproducts.co.uk

> > Access Garden Products Crick NORTHAMPTON NN6 7XS

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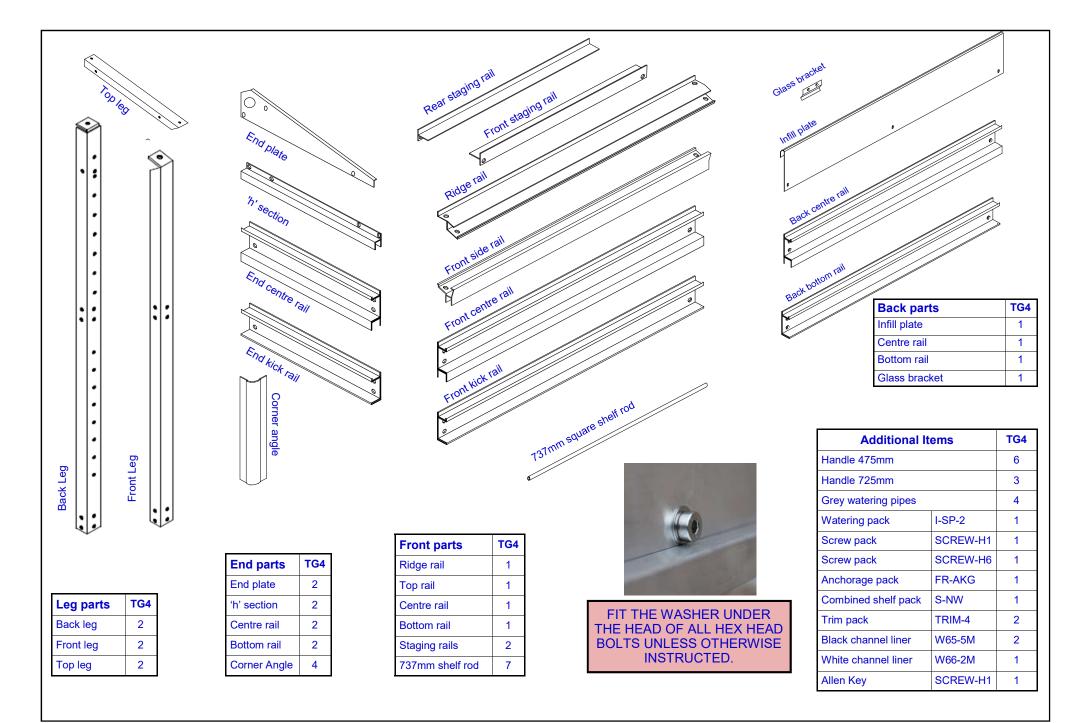
Please keep all packaging until installation is complete

Assembly instructions for model:

City Growhouse

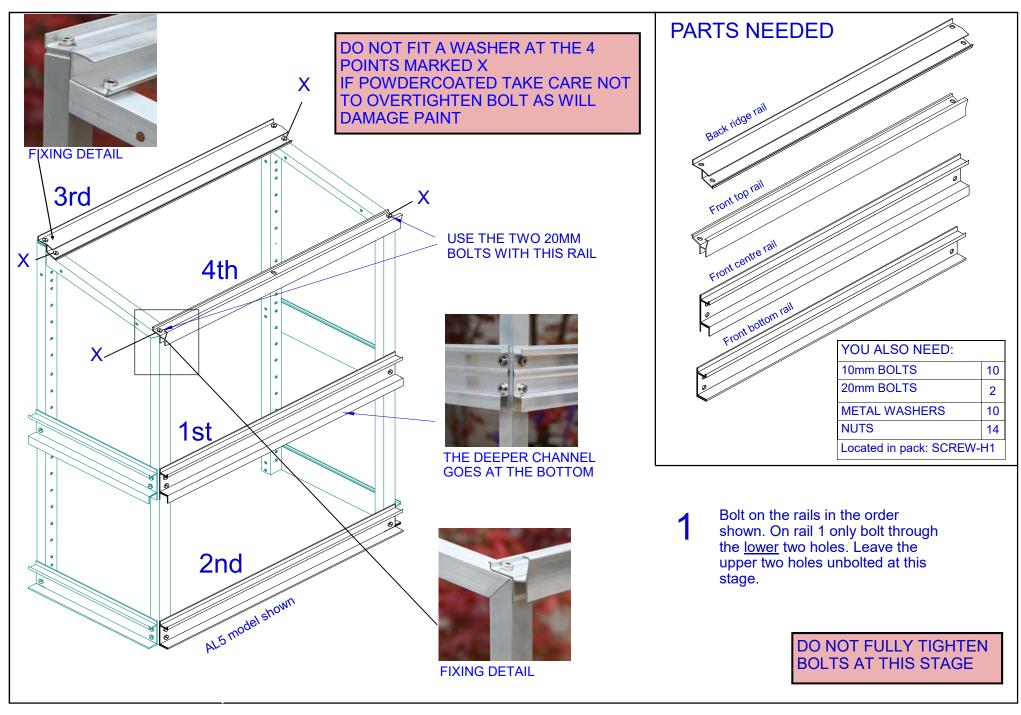
TG4(0.80m/2'8")

Date: Mar 2024 Rev 8 File: TG4

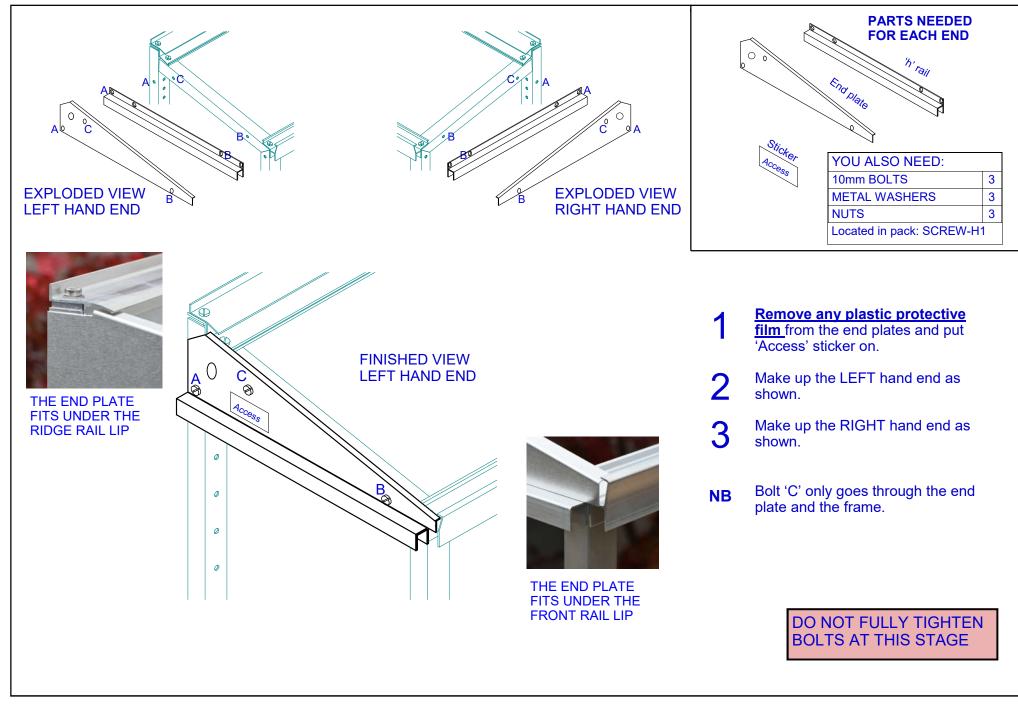


MAIN ALUMINIUM PARTS

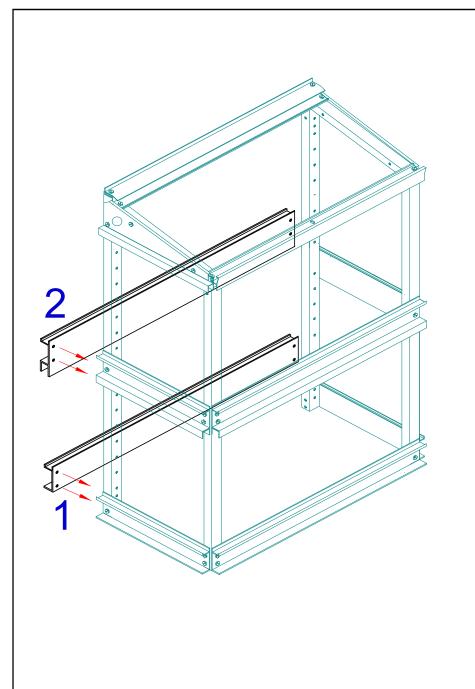
Top leg rests against the **FLAT FACE** of Top leg back leg-it is not bolted to the back leg End centre rail ind bottom rail Front leg Back leg :: : : Slide the tongue of the front leg into the groove on the top leg. YOU ALSO NEED: 10mm BOLTS 8 METAL WASHERS 8 NUTS 8 Located in pack: SCREW-H1 ; ; ; PARTS NEEDED FOR EACH END a Make up the LEFT hand end as shown. DEEPER CHANNEL AT BOTTOM Make up the RIGHT hand end as 2 shown FINISHED **RIGHT HAND END** DO NOT FULLY TIGHTEN **FINISHED** BOLTS AT THIS STAGE LEFT HAND END **EXPLODED VIEW**

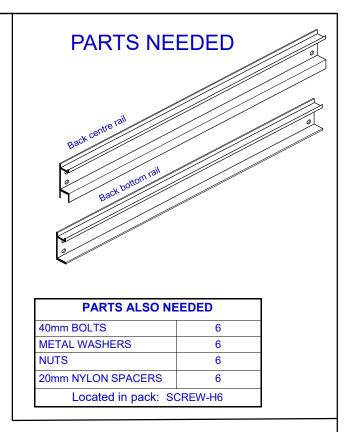


ADDING THE LONG RAILS



END PLATES





Back bottom rail: Put a metal washer on the bolt and push the 40mm bolt through the bottom rail. Push a 20mm nylon spacer on to the bolt BEFORE passing the bolt through the frame and fit a nut. Repeat on other holes.

Back centre rail: Put a metal washer on the bolt and push the 40mm bolt through centre rail **lower** holes. Push 20mm nylon spacer on to bolt BEFORE passing the bolt through the back leg then fit a nut.



Nylon spacer on bolt

DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE

CENTRE & LOWER BACK RAILS

4

2

PARTS NEEDED

YOU ALSO NEED:	
40mm BOLTS	4
METAL WASHERS	4
20mm NYLON SPACERS	4
NUTS	4
In pack: SCREW-H6	



Front rail: Put a metal washer on the bolt and push the 40mm bolt through the centre rail **upper** holes. Slide on nylon spacers, then the front staging rail before refitting the nuts.

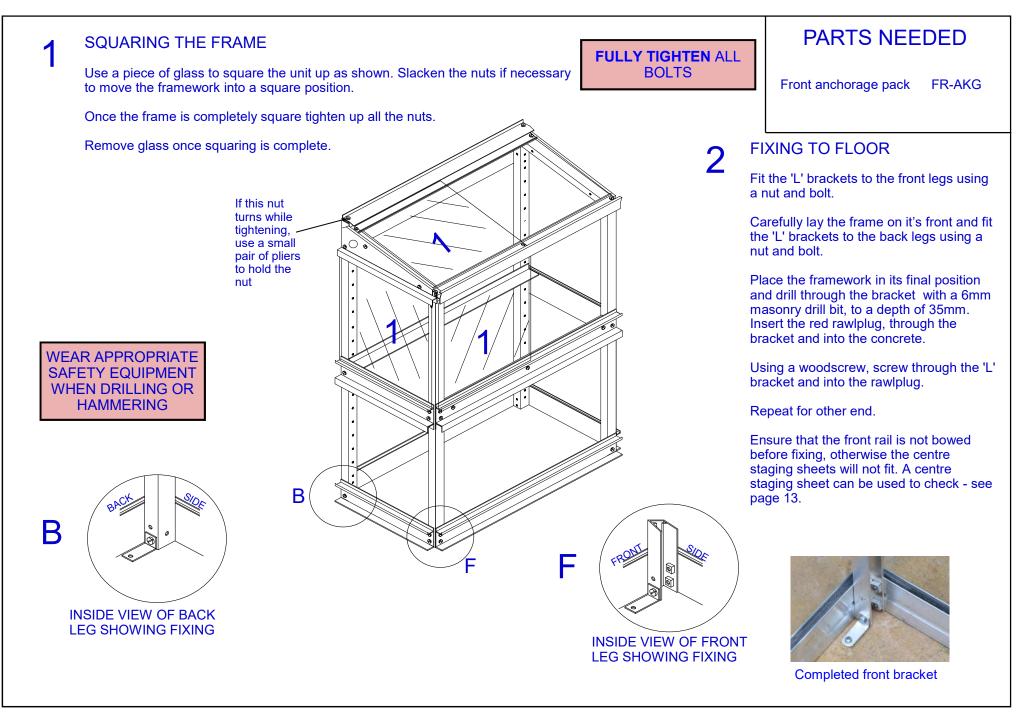
Back rail: Put a metal washer on the bolt and push the 40mm bolt through the centre rail **upper** holes. Push 20mm nylon spacer onto the bolt before passing the bolt through the back leg. Fit the support onto the bolt then fit a nut.

CENTRE STAGING RAILS

Centre staging rails must have fixing bolt holes on the

underside

HOLE BOBSCURED



SQUARING AND FIXING

Remove the plastic protective film from the infill 2 plate and end glass bracket. Put a metal washer on the 10mm bolt which goes В through the infill plate from the outside at hole 'E'. Put a 3mm 00 white spacer on each bolt before pushing on the glass 00 bracket, then fit the nut. Glass bracket is INSIDE frame and will clamp onto the glass once Α the glass is in place. Infill plate

Completed bracket

inside Growhouse

White spacers on infill plate

Place the lipped section over the upstand on the back rail. Push a long 40mm bolt and metal washer through hole A, then fit a white 3mm spacer and a 20mm nylon spacer. Push the bolt into the frame and fit a nut on the inside of the frame. Repeat for hole B at the other end.

 0
 0

 0
 Class bracket

 0
 Class bracket

 10mm BOLTS
 2

 40mm BOLTS
 2

 METAL WASHERS
 4

 NUTS
 4

 20mm WHITE SPACERS
 2

 3mm WHITE SPACERS
 2

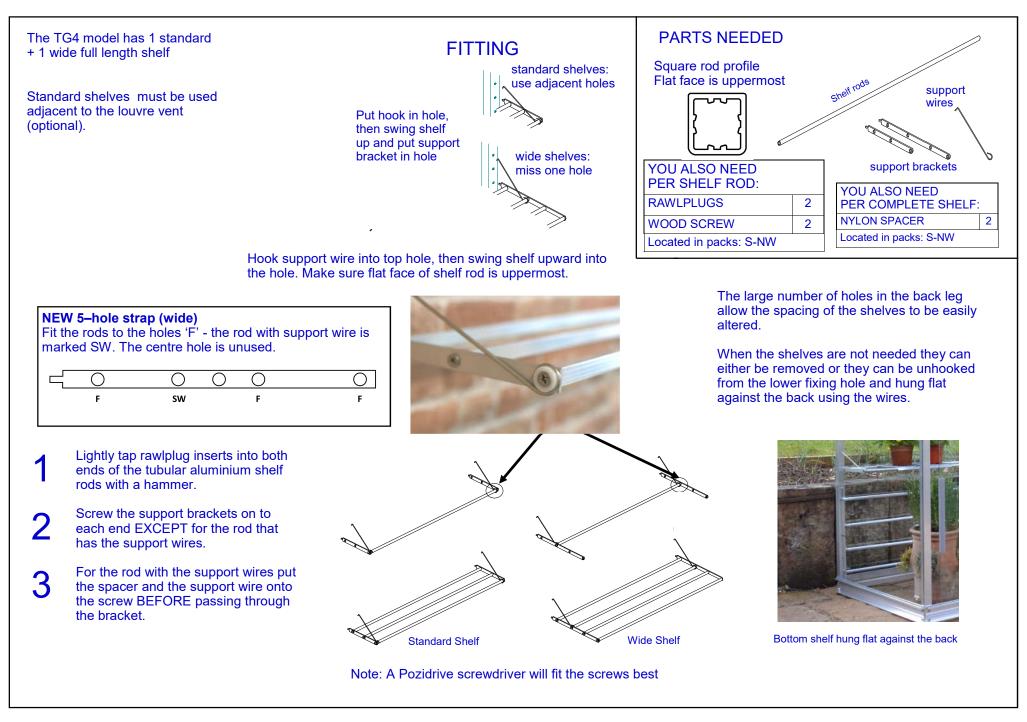
 Located in pack:
 SCREW-H6 and H1

PARTS NEEDED

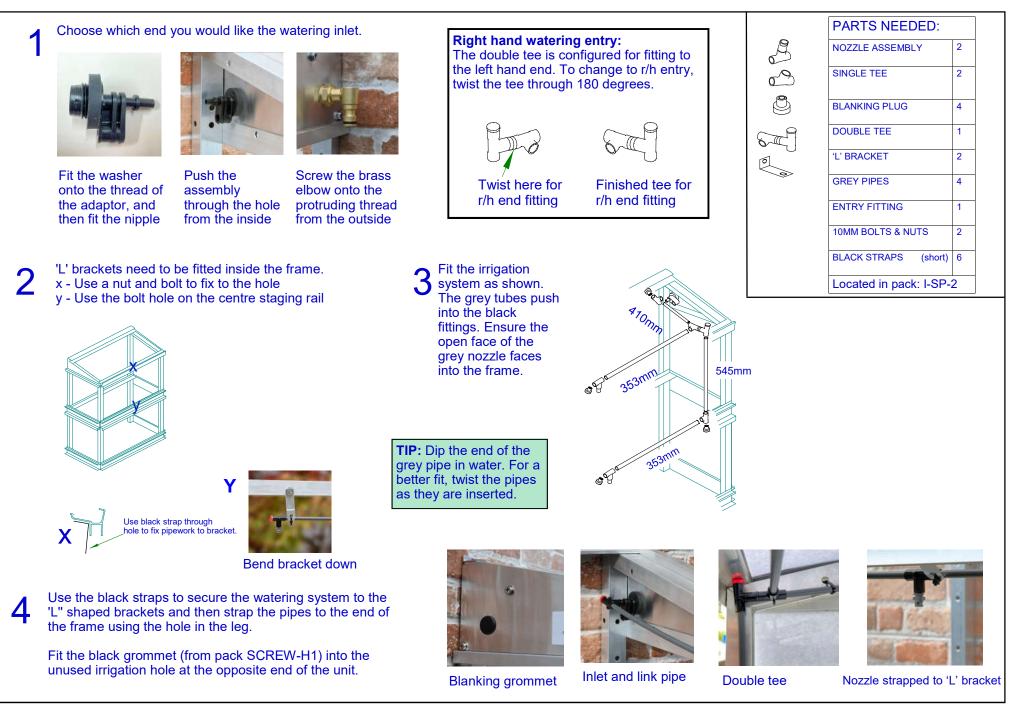
Repeat for hole

2

TOP BACK RAIL

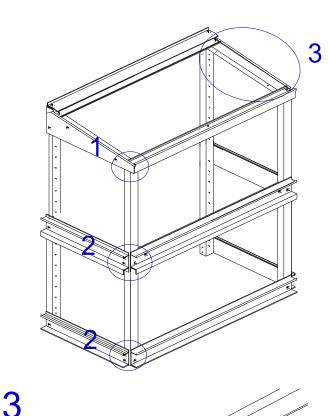


SHELVING



WATERING

FITTING THE CHANNEL LINER

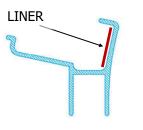


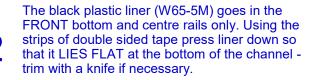
To make the top glass slide more easily, rub candle wax

onto the glass bearers. Also wax the black and white

liners.

The white liner (W66-2M) fits on the inside <u>vertical</u> face of top FRONT rail only. This is a loose fit so strips of double sided tape are included to secure it until the glass is in place.





THE DOORS WILL NOT SLIDE PROPERLY IF THE LINER IS NOT FLAT

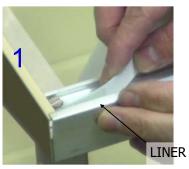
Removing the tape

Peel the **narrower** backing tape off first, this will expose the sticky pad, allowing it to be stuck onto the liner.

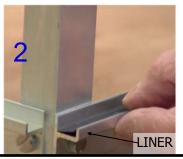
Tip: Bend the backing tape back on itself to make it easier to peel the sticky pad off.

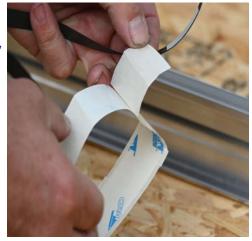
Place pads regularly down the length of the liner.

When ready, peel the **wide** backing pads off the tape and stick the liner to the aluminium.



Before sticking the tape, clean the aluminium of any oil traces to promote adhesion.





FITTING THE LINER

WAX

On the next page are instructions on how to fit the handles to the glass

When fitting the handles, place the glass on a table or timber battens.

NEVER PLACE THE GLASS DIRECTLY **ON CONCRETE OR SLABS**

DO NOT lift the glass by the handle

If possible, leave the handles overnight in a warm place to promote the curing of the adhesive

side edae

TIP: Always grip the handle in the CENTRE when sliding

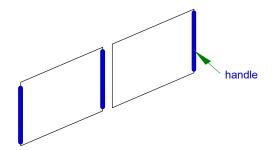
WARNING

If broken, toughened glass will fragment safely.

If the edges are knocked or chipped the glass will spontaneously fragment. This is a natural occurrence due to the toughening process. Care should be taken when moving or cleaning, not to damage the edge of the glass.

When placing the glass in the frame, ensure that the glass is securely placed in the runners before letting go of the glass.

SEE PAGE 14 FOR WHICH GLASS SHEETS NEED HANDLES	ʻC' sheet	'D' sheet	'E' sheet
Sheets requiring one handle	1	1	1
Sheets requiring two handles	1	1	1



HANDLES

The right hand glass sheets always have 1 handle.

The left hand glass sheets always have 2 handles.



Sheet with 1 handle

FITTING THE HANDLES

gap



Ideally work on a table or a workbench.

1

It is best the work inside to keep the pads warm and dry.



2 Mark the glass 15mm from the top edge for sheets.



Open the sachet and wipe the glass where the tape will stick.

3



4 Replace the cloth in the plastic bag to prevent evaporation.



Peel the pad off the backing.

5

Short handles have 2 pads (top and bottom). Long handles have 3 pads (plus centre).



Press the pad down firmly to ensure good adhesion to the glass.

6



Peel the cover strips off all of the pads.

7



8 Using the pen mark as a guide, fit the handle.

Slide the two arms of the 'U' over the edge of the glass.





Work the handle on with your hands.



10 Use one of the glass battens to gently tap the handle down.



11 Work the handle on all the way down the glass.

Use the timber batten if necessary.



Use the timber to make sure the handle is flat.

12

Leave overnight in the warm to fully cure the adhesive

FITTING THE HANDLES

CENTRE STAGING

If you wish to fit the staging glass (453mm x 353mm) sheets place these on the centre staging rails before glazing the frame. Centre staging is in glass packs GT-TG2.

FITTING HANDLES

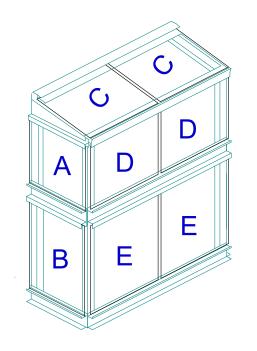
Fit the handles to the glass before fitting into the frame. Right hand panels always have a single handle on the right hand side of the sheet. Left hand panels have two handles, one on each side.

FITTING THE FRONT & SIDE GLASS

To fit the glass push the sheet into the deeper top channel, then lower into the bottom channel (A). Make sure the glass is firmly in the bottom channel before letting go. When putting the sheets in the frame, put the first sheet in at the right hand end. The second sheet will fit in front of the first sheet and overlap the first panel by approx. 1" (2cm).

SLIDING THE FRONT GLASS

When closed, both panels will tuck behind the corner trims to keep them secure. Before sliding the right hand panel open, slide the left hand panel open by approx 1" to release it from behind the corner trim.



FRONT & SIDE GLASS		
Α	500mm x 500mm	Qty: 2
В	750mm x 500mm	Qty: 2
С	500mm x 400mm	Qty: 2
D	500mm x 400mm	Qty: 2
Е	750mm x 400mm	Qty: 2
End glass (A & B) have no handles		



Roof glass overlapping



Centre staging fitted



A. Fitting the glass



Glass in channel with two sheets overlapping

FITTING THE FRONT & SIDE GLASS

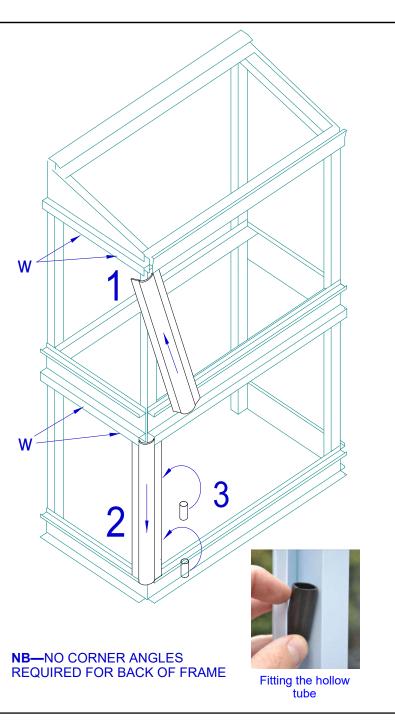


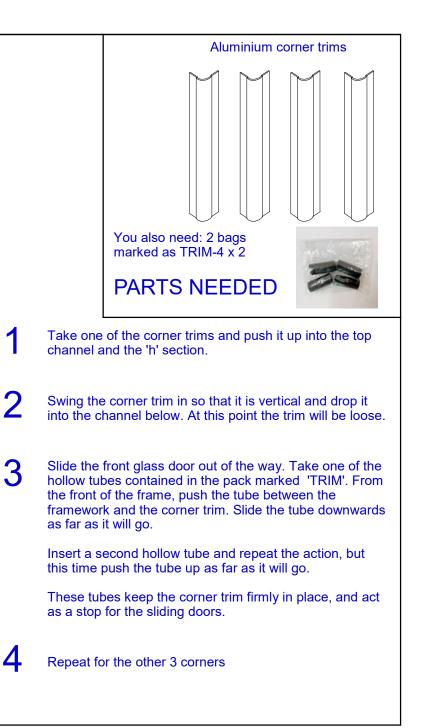
The small black thimble wedges (w) are designed to be pushed into the top channels of the end glass to stop the glass moving. Use two wedges per sheet of glass



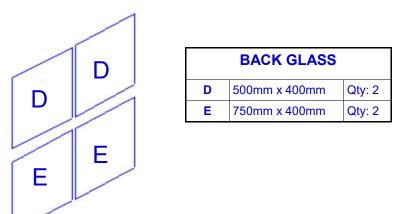
Located in: ALL SCREW PACKS





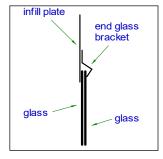


CORNER ANGLES (FRONT ONLY)



TOP BACK GLASS

Slacken the four infill plate bolts and gently slide the first sheet in from the rear corner. Gently slide the other sheet in from the other end. The two sheets will overlap in the centre, behind the glass bracket (B). Carefully retighten the bolts. Fit a ring wedge (F) into the bottom glass channel - 1 per sheet.



BOTTOM BACK GLASS

Fit the glass using the same method as the front glass. In the centre of each pane, push a black thimble shaped wedge into the top glass channel to prevent the glass rattling (D). Fit a ring wedge (F) into the bottom glass channel - 1 per sheet.

- B. Top back glass overlap detail
- B. Glass bracket



D. Thimble wedge



F. Ring wedge

FITTING THE BACK GLASS

CORNER TRIMS WILL NOT FIT	The most common cause of this problem is the end glass protruding over the front leg. This is normally caused because the frame work is not square against the wall. See page 7.
GLASS STICKS TOGETHER	This is normally due to the handles not being put on the right side of the glass. See page 12 for details of where the handles should be fitted to the glass. If the glass has stuck together, push the two sheets to the back of the channel, then slowly pull the
	front sheet of glass forward from one end. This will release the suction between the sheets.
HANDLES COME OFF	If handles come off frequently either purchase some new handles and sticky pads from Access or use a glue such as 'liquid nails' or 'no more nails' to permanently glue the handles to the glass.
SHELVES WILL NOT FIT INTO THE BACK LEGS	Check that the back legs have been fitted the right way round - see page 2. Check that dimension $A = B$ - see page 7.
LOUVRE VENT DOES NOT FULLY CLOSE ON COLD DAYS	Loosen the two screws which hold the automatic opener to the vent. Push the opener up as far as it will go. Retighten the 2 screws.
	If the unit still does not fully close, lubricate the opener mechanism and all the pivot points with WD-40
GLASS FALLS OUT OF THE LOWER LEVEL	Ensure that the centre rail has the deeper channel at the bottom.
WATERING INLET LEAKS	Try tightening the inlet fitting as it needs to be tight to seal.
	1

PERIODIC MAINTENANCE

Every Spring take the glass out of the greenhouse and wash glass and framework with warm soapy water.

Lubricate the automatic louvre vent bi-monthly and remove if subject to very heavy frosts.

When inserting the glass, always check that the glass is properly seated in its top and bottom channels before letting go of the sheet.

CHECK THE TIGHTNESS of all bolts regularly, especially in very windy areas or powder coated frames.

CROP ROTATION Suggestions for suitable crops and sowing dates given in the free Access Growing Guide

VENTILATION In cold weather gentle ventilation can be given by sliding the four front sheets of glass to give 2-3" (5-8cm) gap at each corner.

In warmer weather allow a gap on the top sheets as well. In very hot weather open all the sheets of glass.

To ensure that the correct temperature is maintained use a thermometer inside the greenhouse. You can completely remove the top sheets in summer. Access shading will help keep temperatures down, and stop birds etc getting inside. The Access Automatic Vent will look after ventilation - automatically!

GALES The greenhouse must be kept fully closed in rough weather.

GLASS CHANNELS Ensure that this is kept free from debris and allows the glass to slide smoothly. Periodically lubricate the running edge of the glass with a wax candle.

SNOW If snow is very heavy - avoid letting it build up on the roof

SHELVING Stand pot plants on saucers, or use optional shelf covers which incorporate a layer of capillary matting to absorb excess water when watering. Alternatively, stand the pots in empty seed trays.

CENTRE STAGING To accommodate tall plants slide one sheet over another or lift out completely.

WATERING SYSTEM The system accepts standard quick connectors. Turn the tap on slowly until the mist fills the greenhouse; too much pressure will throw water on to the back wall. Leave on for 5 minutes, or ½ minute for damping down.

SITING Site on the sunniest place available. Anything from East through South to West is suitable. If it has to face North, don't despair, it will be warmer in than outside! If you can fix to a brick or stone wall, you will get extra heat storage during the day.

REDUCING THE LENGTH If it is just too long for your ideal spot, it can be shortened. Re-drill the holes at one end of the rails - moving them in by the amount you need to remove. Hacksaw off the surplus aluminium and shorten the shelf rods and irrigation pipe. The glass will merely overlap more - don't try to cut toughened glass!