

ASSEMBLY INSTRUCTIONS

City Growhouse MAX

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Please keep all packaging until installation is complete



Model AB4 shown

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:

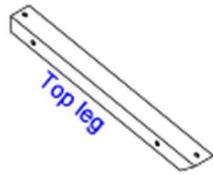
instructionfeedback@garden-products.co.uk

Access Garden Products
Crick
NORTHAMPTON
NN6 7XS

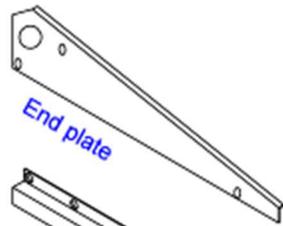
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www.garden-products.co.uk

Assembly instructions for models: City Growhouse MAX AB4 (1.00m/3'4")

Date: Aug 2025 Rev 9 File: AB4



Top leg



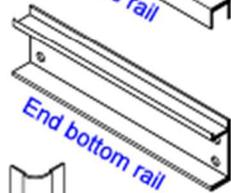
End plate



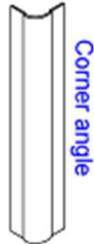
'h' section



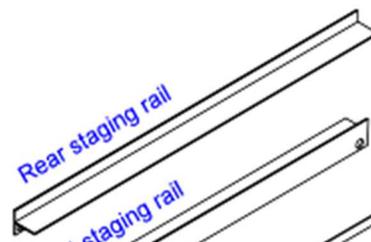
End centre rail



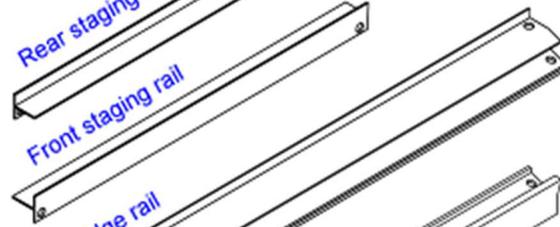
End bottom rail



Corner angle



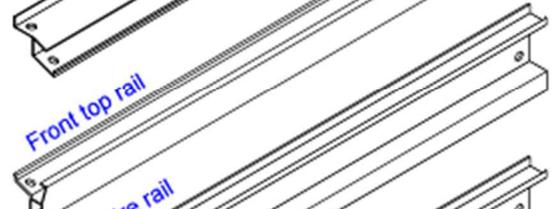
Rear staging rail



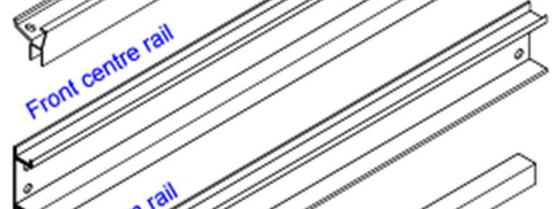
Front staging rail



Back ridge rail



Front top rail



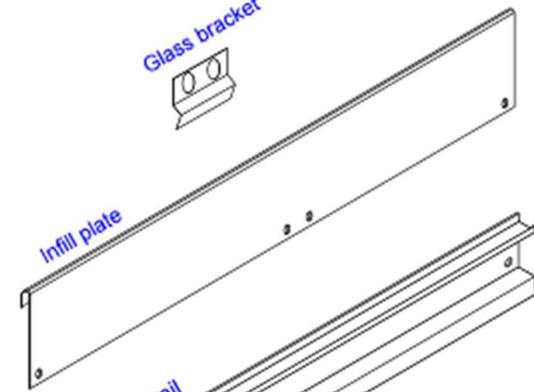
Front centre rail



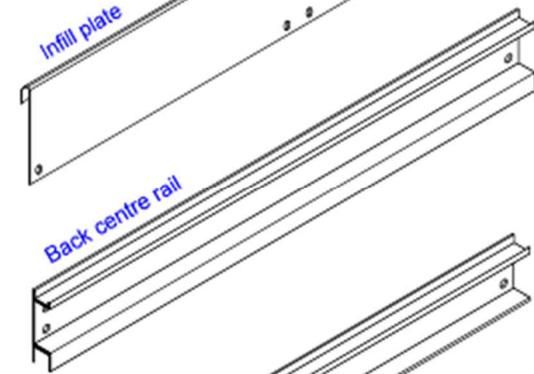
Front bottom rail



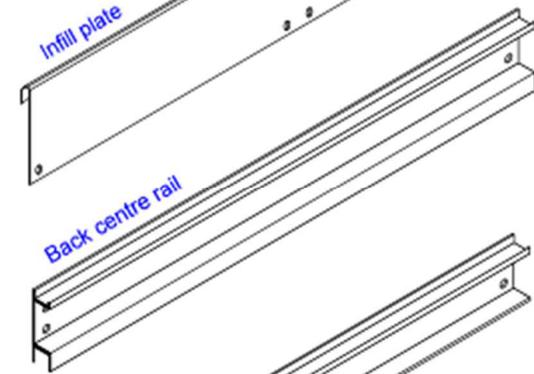
937mm square shelf rod



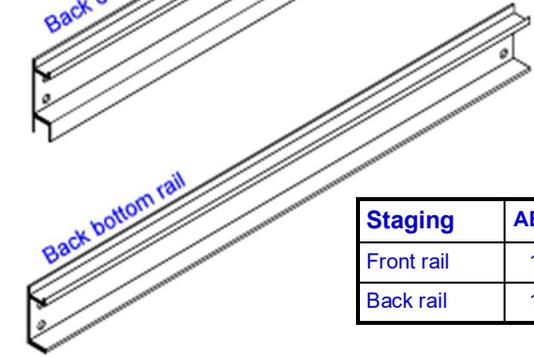
Glass bracket



Infill plate



Back centre rail



Back bottom rail

Staging	AB4
Front rail	1
Back rail	1



Back Leg



Front Leg

Leg parts	AB4
Back leg	2
Front leg	2
Top leg	2

End parts	AB4
End plate	2
'h' section	2
Centre rail	2
Bottom rail	2
Corner Angle	4

Front parts	AB4
Ridge rail	1
Top rail	1
Centre rail	1
Bottom rail	1
937mm shelf rod	11



FIT THE WASHER UNDER THE HEAD OF ALL HEX HEAD BOLTS UNLESS OTHERWISE INSTRUCTED

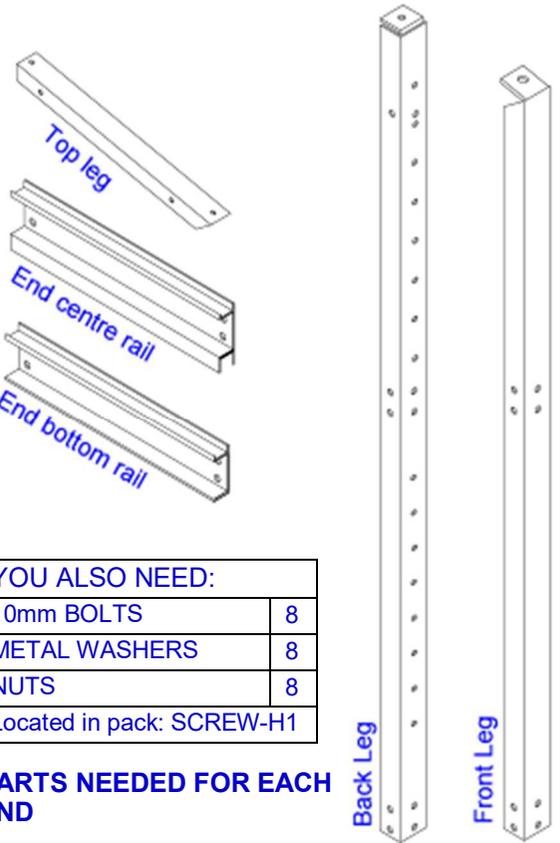
Additional Items		AB4
Handle 475mm		6
Handle 725mm		3
Grey watering pipes		4
Watering pack	I-SP-2	1
Screw pack	SCREW-H1	1
Back screw pack	SCREW-H6	1
Front anchorage pack	FR-AKG	1
Wide shelf pack	S-W2	1
Standard shelf pack	S-N1	1
Trim pack	TRIM-4	2
Black channel liner	W65-5M	1
White channel liner	W66-2M	1
Allen Key	SCREW-H1	1



Top leg rests against the **FLAT FACE** of back leg—it is not bolted to the back leg



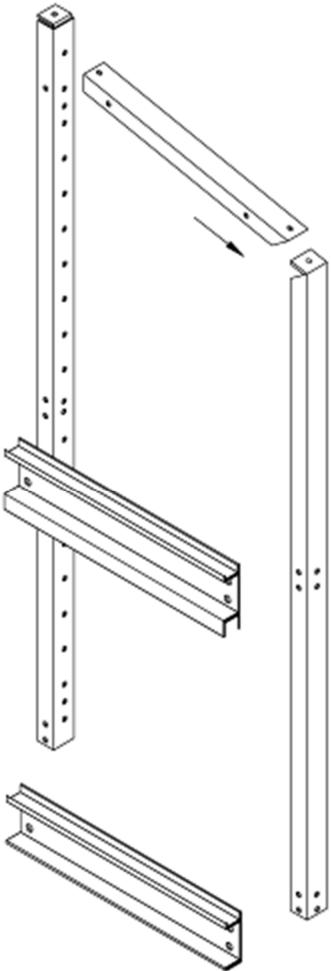
Back leg the wrong way round



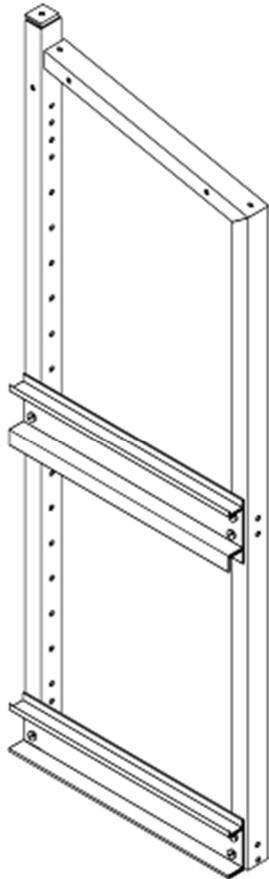
YOU ALSO NEED:

10mm BOLTS	8
METAL WASHERS	8
NUTS	8
Located in pack: SCREW-H1	

PARTS NEEDED FOR EACH END



EXPLODED VIEW



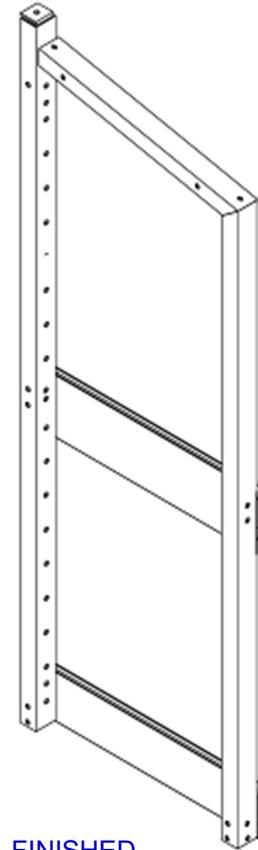
FINISHED LEFT HAND END



Slide the tongue of the front leg into the groove on the top leg



DEEPER CHANNEL AT BOTTOM



FINISHED RIGHT HAND END



ANCHORAGE BRACKET FITTED

- 1 Make up the LEFT hand end as shown.
- 2 Make up the RIGHT hand end as shown.

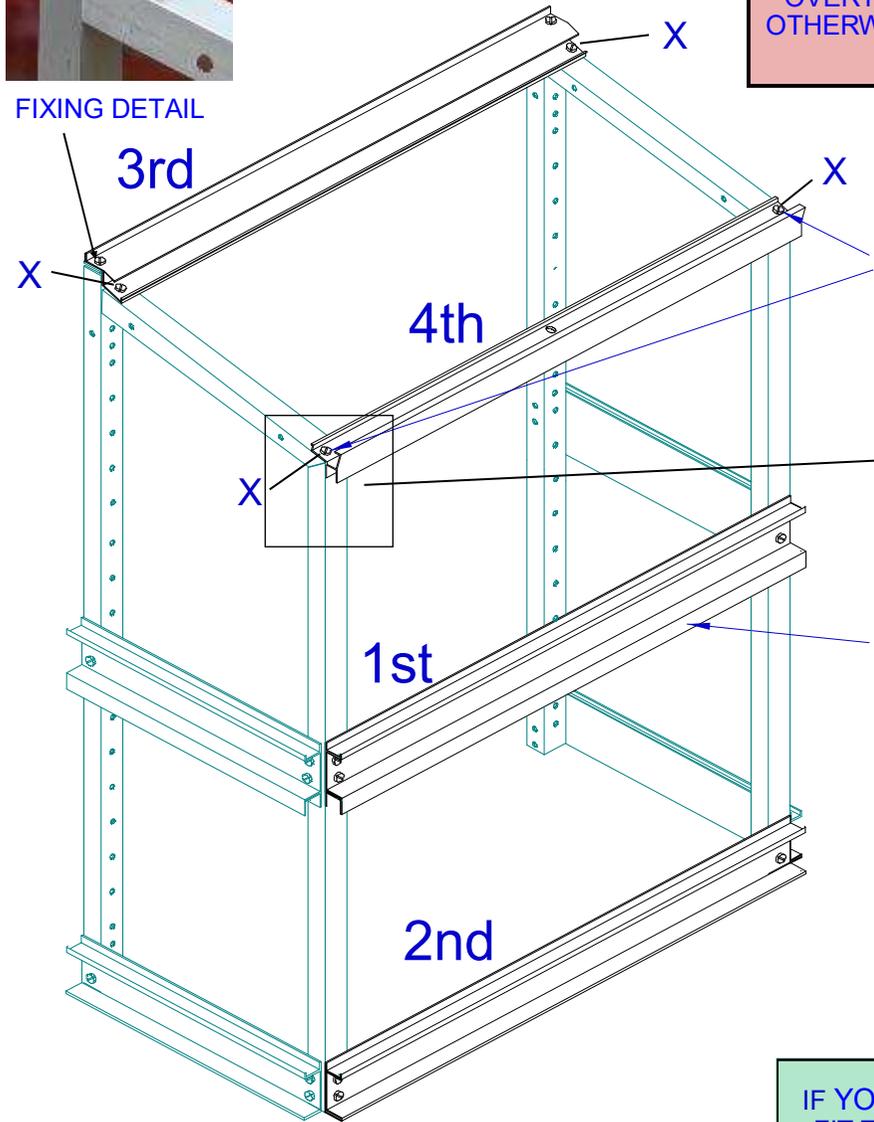
DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE

END SECTIONS



FIXING DETAIL

DO NOT FIT A WASHER AT POINTS MARKED X
ON POWDERCOATED UNITS TAKE CARE NOT TO OVERTIGHTEN THESE BOLTS OTHERWISE THE COATING WILL BE DAMAGED



USE THE TWO 20MM BOLTS WITH THIS RAIL



FIXING DETAIL



THE DEEPER CHANNEL GOES AT THE BOTTOM

IF YOU ORDERED A ROLLER SHADE, FIT THE SPRING STEEL CLIPS NOW

PARTS NEEDED

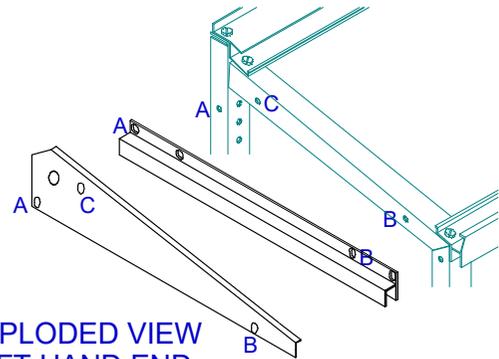


YOU ALSO NEED:

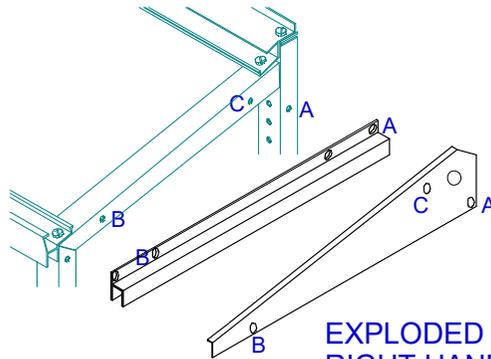
10mm BOLTS	10
20mm BOLTS	2
METAL WASHERS	8
NUTS	12
Located in pack: SCREW-H1	

1 Bolt on the rails in the order shown. On rail 1 only bolt through the lower two holes. Leave the upper two holes unbolted at this stage.

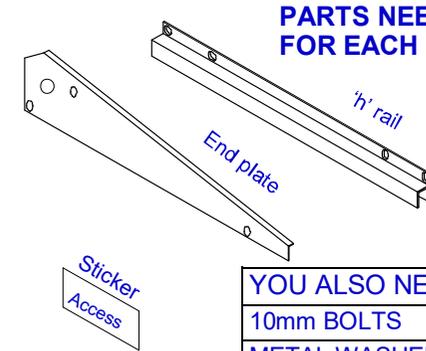
DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE



EXPLODED VIEW
LEFT HAND END



EXPLODED VIEW
RIGHT HAND END



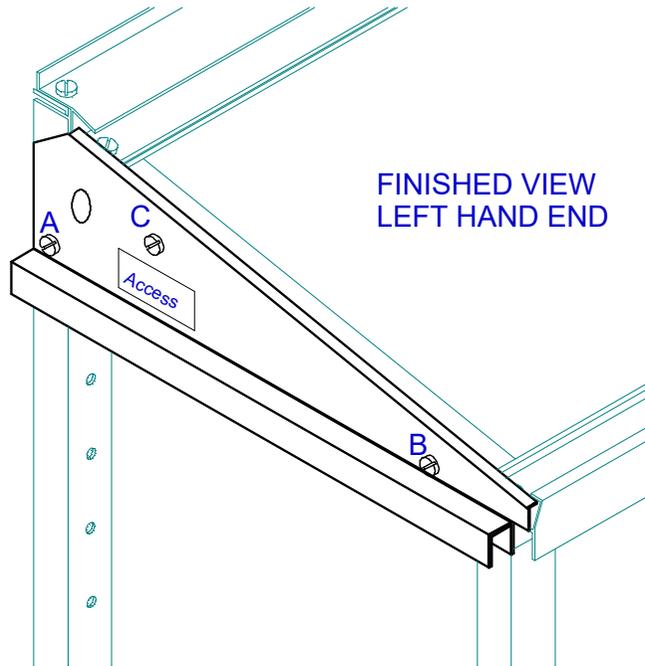
**PARTS NEEDED
FOR EACH END**

YOU ALSO NEED:

10mm BOLTS	3
METAL WASHERS	3
NUTS	3
Located in pack: SCREW-H1	



THE END PLATE
FITS UNDER THE
RIDGE RAIL LIP



FINISHED VIEW
LEFT HAND END



THE END PLATE
FITS UNDER THE
FRONT RAIL LIP

1 Remove any plastic protective film from the end plates and put 'Access' sticker on.

2 Make up the LEFT hand end as shown.

3 Make up the RIGHT hand end as shown.

NB Bolt 'C' only goes through the end plate and the frame.

**DO NOT FULLY
TIGHTEN
BOLTS AT THIS STAGE**

1 SQUARING THE FRAME

Use a set square (or the A5 frame squaring card provided) to square the unit up in the 3 places shown.

Once the frame is completely square tighten up all the nuts.

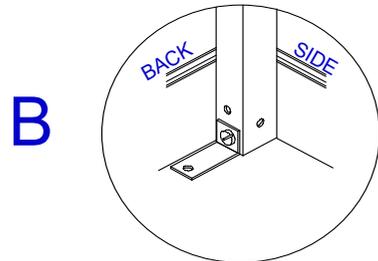
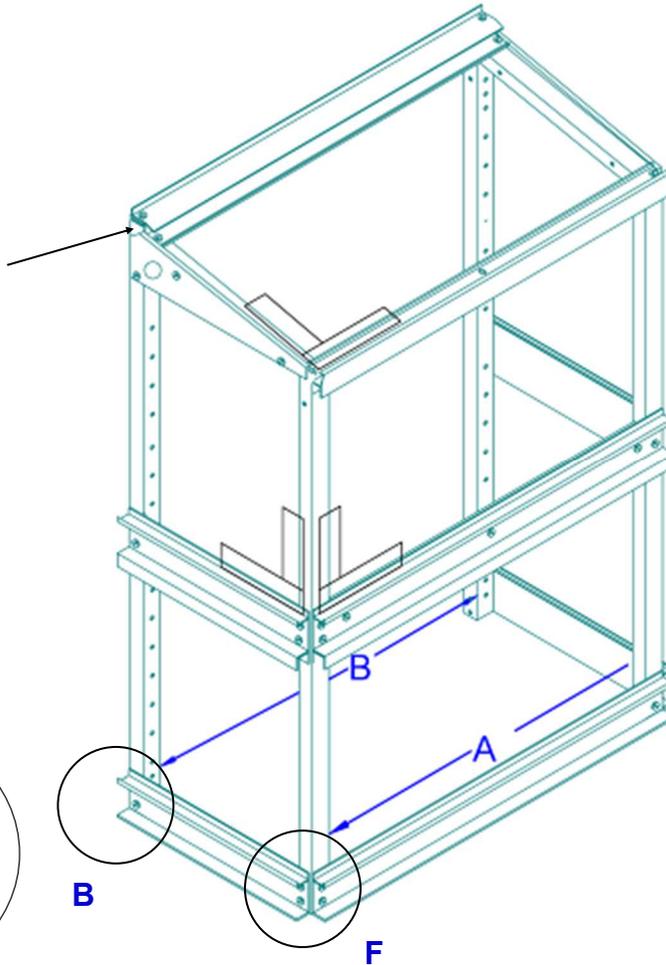
FULLY TIGHTEN ALL BOLTS

PARTS NEEDED

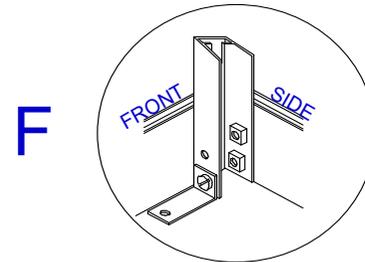
Front anchorage pack FR-AGK x 1

If this nut turns while tightening, use a small pair of pliers to hold the nut

WEAR APPROPRIATE SAFETY EQUIPMENT WHEN DRILLING OR HAMMERING



INSIDE VIEW OF BACK LEG SHOWING FIXING



INSIDE VIEW OF FRONT LEG SHOWING FIXING

2 FIXING TO FLOOR

Fit the 'L' brackets to the front legs using a nut and bolt.

Carefully lay the frame on it's front and fit the 'L' brackets to the back legs using a nut and bolt.

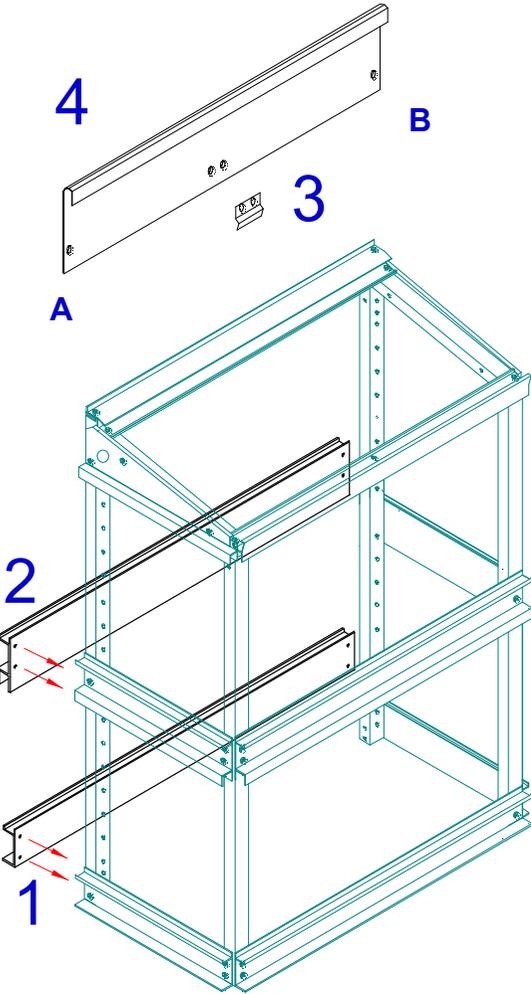
Place the framework in its final position and drill through the bracket with a 6mm masonry drill bit, to a depth of 35mm. Insert the red rawplug, through the bracket and into the concrete.

Using a woodscrew, screw through the 'L' bracket and into the rawplug.

Repeat for other end.



Completed front bracket

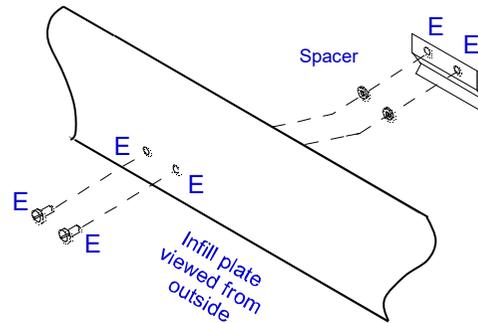


Nylon spacer on bolt

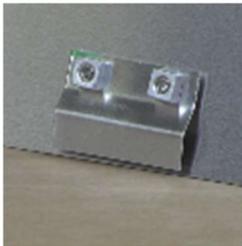
1 Bolt on back bottom rail. Put a metal washer on the 40mm bolt and push through bottom rail then fit a 20mm nylon spacer BEFORE passing through the leg and fitting a nut on the inside of the frame.

2 **Back centre rail:** Push 40mm bolts through centre rail **lower** holes. Push 20mm nylon spacer on to bolt BEFORE passing the bolt through the back leg then fit a nut. Leave upper holes - see P6.

3 Remove the plastic protective film from the infill plate. 10mm bolts 'E' go through the infill plate from the outside. Put a 3mm white spacer on each bolt before pushing on the glass bracket, then fit the nut. Glass bracket is INSIDE frame and will clamp onto the glass once the glass is in place.



White spacers on infill plate



Completed bracket inside the frame



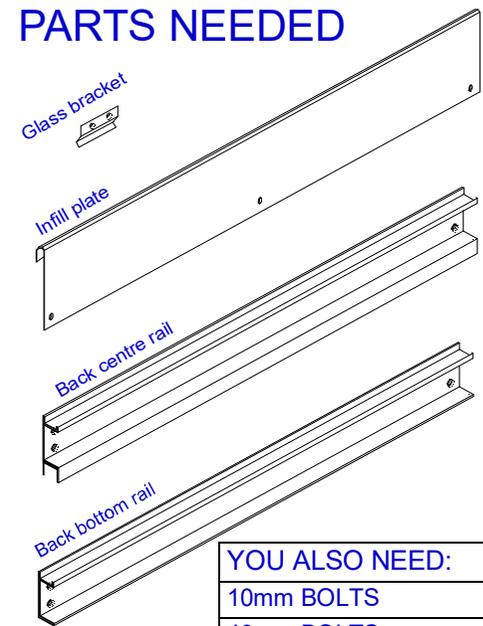
Nylon spacers on infill plate

4 Place the lipped section over the upstand on the back rail. Put the metal washer on the bolt and push a 40mm bolt through hole 'A', then fit a 20mm and a 3mm white spacer. Push the bolt into the frame and fit a nut. Repeat at other end (hole 'B'). Holes 'A' and 'B' are the **upper** holes.

TIP: If you have purchased the wheel kit, check those instructions now

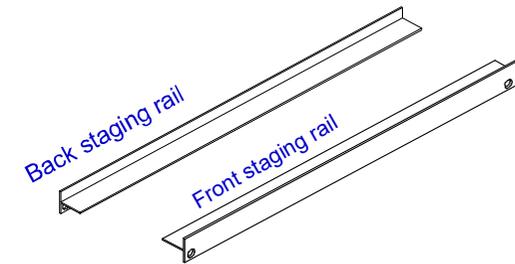
FULLY TIGHTEN ALL BOLTS

PARTS NEEDED

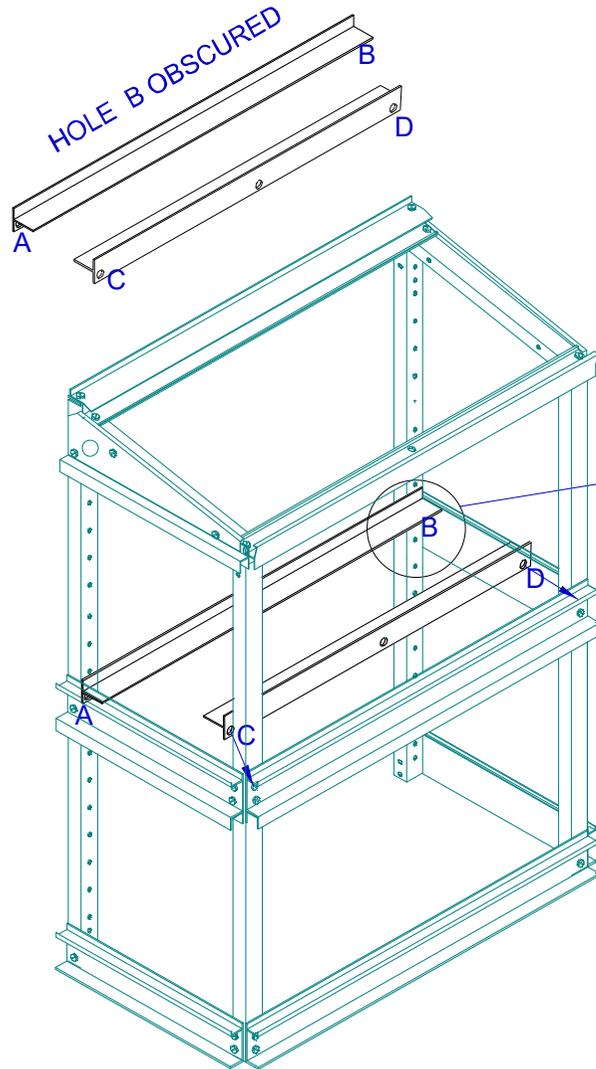


YOU ALSO NEED:	
10mm BOLTS	2
40mm BOLTS	8
METAL WASHERS	10
NUTS	10
20mm NYLON SPACER	10
3mm WHITE SPACER	4
Located in pack: SCREW-H6	

PARTS NEEDED



YOU ALSO NEED:	
40mm BOLTS	4
METAL WASHERS	4
NUTS	4
In pack: SCREW-H1 or H6	



Centre staging rails must have fixing bolt holes on the underside

1 POSITION THE RAILS INSIDE THE FRAME AS SHOWN. BOLT THROUGH HOLES SHOWN

Front rail: Push 40mm bolt through the centre rail **upper** holes. Slide on nylon spacers, then the front staging rail before refitting the nuts.

Back rail: Push 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.

FULLY TIGHTEN ALL BOLTS

The AB4 model has 1 standard + 2 wide full length shelves below the centre staging.

Standard shelves must be used adjacent to the louvre vent (optional).

- 1 Lightly tap rawlplug inserts into both ends of the tubular aluminium shelf rods with a hammer.
- 2 Screw the support brackets on to each end EXCEPT for the rod that has the support wires.
- 3 For the rod with the support wires put the spacer and the support wire onto the screw BEFORE passing through the bracket.

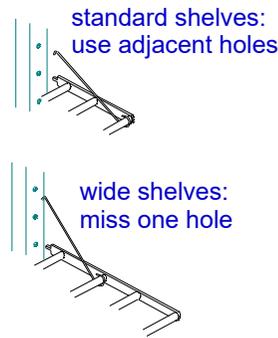
5-hole strap

Fit the rods to the holes 'F' - the rod with support wire is marked SW. The centre hole is unused.



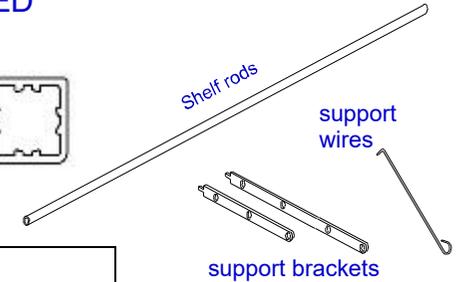
Hook support wire into top hole, then swing shelf upward into the hole. Make sure flat face of shelf rod is uppermost.

FITTING



PARTS NEEDED

Square rod profile
Flat face is uppermost



YOU ALSO NEED PER SHELF ROD:

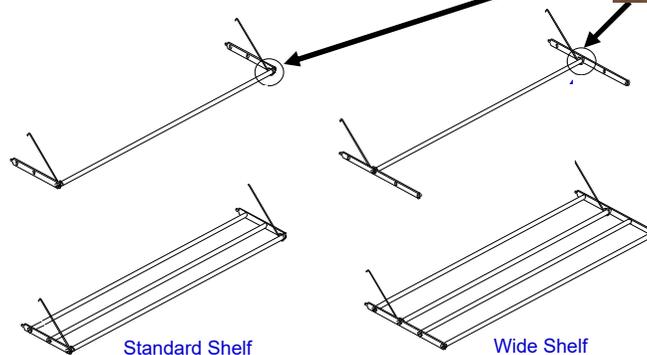
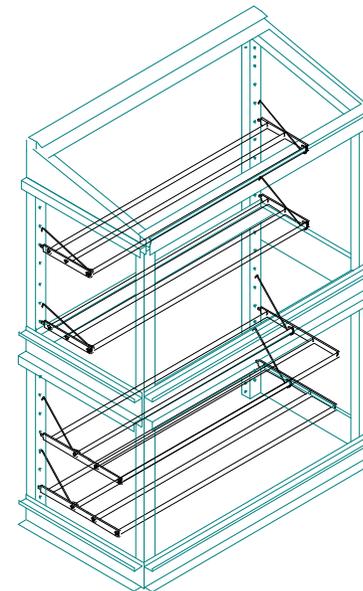
RAWLPLUGS	2
WOOD SCREW	2
Located in packs: S-N1 or S-W2	

YOU ALSO NEED PER COMPLETE SHELF:

NYLON SPACER	2
Located in packs: S-N2 or S-W2	

The large number of holes in the back leg allow the spacing of the shelves to be easily altered.

When the shelves are not needed they can either be removed or they can be unhooked from the lower fixing hole and hung flat against the back using the wires.



Note: A Pozidrive screwdriver will fit the screws best



Bottom shelf hung flat against the back

1 Choose which end you would like the watering inlet.



Fit the washer onto the thread of the adaptor, and then fit the nipple



Push the assembly through the hole from the inside



Screw the brass elbow onto the protruding thread from the outside



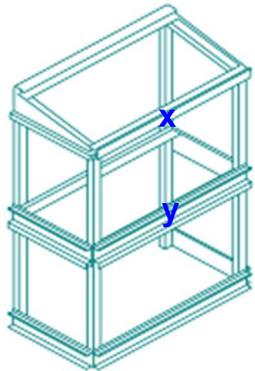
Fit the black grommet (from pack SCREW-H1) into the unused irrigation hole at the opposite end of the unit

Right hand watering entry:
The double tee is configured for fitting to the left hand end. To change to r/h entry, twist the tee through 180 degrees.

Twist here for r/h end fitting Finished tee for r/h end fitting

PARTS NEEDED:	
NOZZLE ASSEMBLY	2
SINGLE TEE	2
BLANKING PLUG	4
DOUBLE TEE	1
'L' BRACKET	2
ENTRY FITTING: Nipple, adaptor, washer and brass elbow	1
10MM BOLTS & NUTS	2
BLACK STRAPS	6
Located in pack: I-SP-2	
6mm PIPES	4

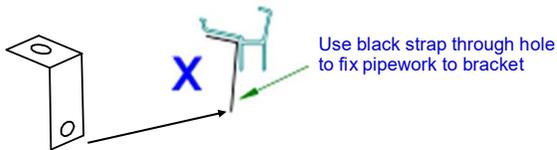
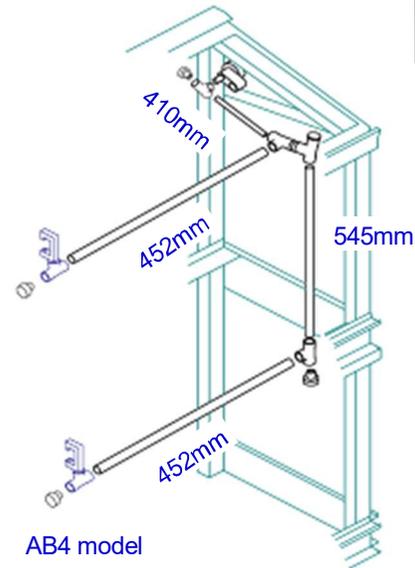
2 'L' brackets need to be fitted inside the frame.
x - Use a nut and bolt to fix to the hole
y - Use the bolt hole on the centre staging rail



Bend bracket down

3 Fit the irrigation system as shown. The pipes push into the black fittings.

TIP: Dip the end of the grey pipe in water. For a better fit, twist the pipes as they are inserted



4 Use the black straps to secure the watering system to the 'L' shaped brackets and then strap the pipes to the end of the frame using the hole in the leg.



End strap



Inlet and link pipe

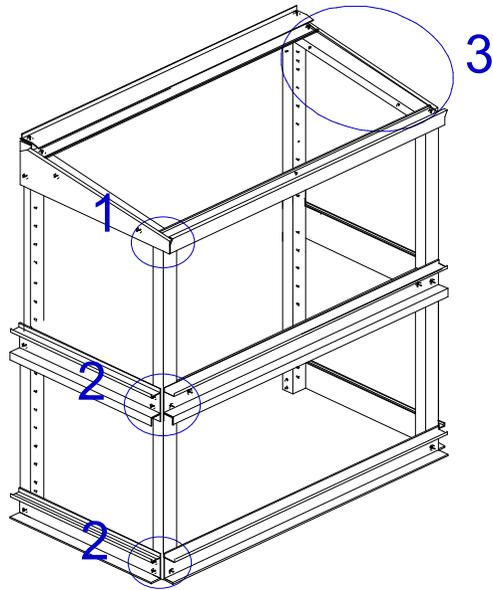


Double tee

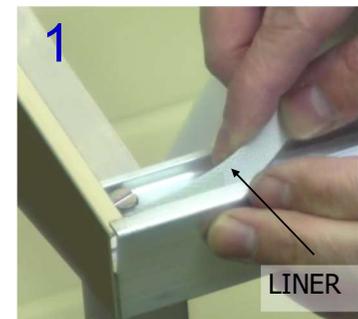
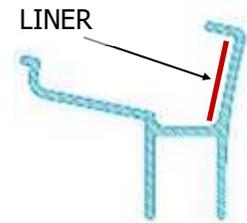


Nozzle strapped to 'L' bracket—position x

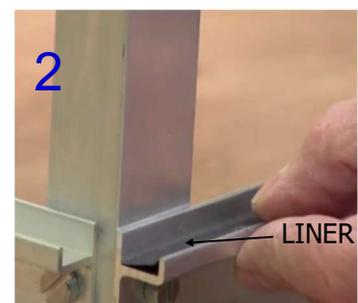
FITTING THE CHANNEL LINER



1 The white liner (W66-2M) fits on the inside vertical 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.



2 The black plastic liner (W65-5M) goes in the FRONT bottom and centre rails only. Using the strips of double sided tape press liner down so that it LIES FLAT at the bottom of the channel - trim with a knife if necessary.



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

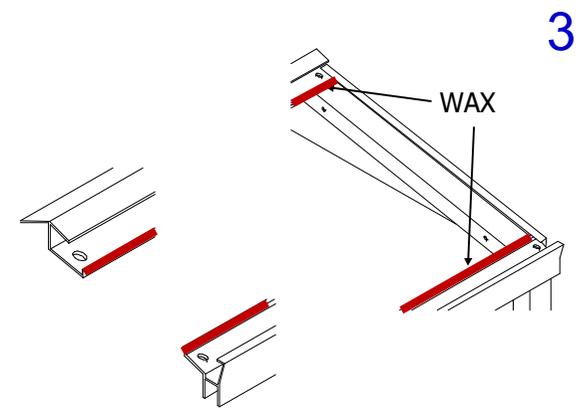
3 To make the top glass slide more easily, rub candle wax onto the glass bearers. Also wax the black and white liners.

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

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.



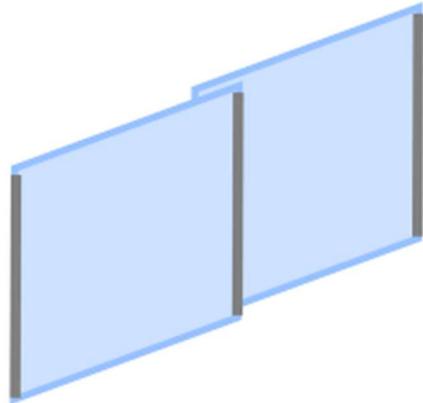
TIP: Do not use the red covered sticky pads that are for the handles



FITTING THE LINER

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

TIP: Always grip the handle in the CENTRE when sliding



HANDLES

The right hand glass sheets always have 1 handle.
The left hand glass sheets always have 2 handles.

When fitting place the right hand glass sheet in the channel first, then place the left hand sheet in front, overlapping the first sheet.

	'C' sheet	'D' sheet	'E' sheet
Sheets requiring one handle	1	1	1
Sheets requiring two handles	1	1	1

SEE PAGE 13 FOR WHICH GLASS SHEETS NEED HANDLES



Handle fitted with 15mm gap



Sheet with 2 handles



Sheet with 1 handle

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.

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.

Why do we only have one glass channel?

We use a single channel for two sheets of glass as outside in the garden, one wide channel is much easier to keep clean than two narrow channels.

Gripping the glass to slide

It is important to always slide the glass from the centre of the handle, if you try and slide the lower channels by gripping the top of the handle, you may inadvertently lift the panel out of the channel.

Corner angles and 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.



1

Ideally work on a table or a workbench.
It is best the work inside to keep the pads warm and dry.



2

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



3

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



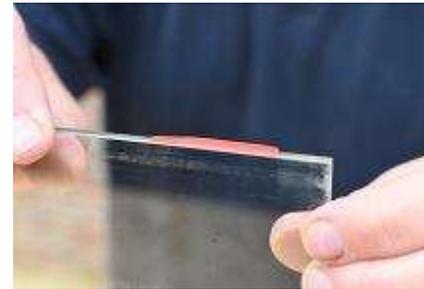
4

Replace the cloth in the plastic bag to prevent evaporation.



5

Peel the pad off the backing.
Short handles have 2 pads (top and bottom). Long handles have 3 pads (plus centre).



6

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



7

Peel the cover strips off all of the pads.



8

Using the pen mark as a guide, fit the handle.
Slide the two arms of the 'U' over the edge of the glass.



9

Work the handle on with your hands.
You can carefully wet each side of the glass to make this easier.



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.



12

Use the timber to make sure the handle is flat.
Leave overnight in the warm to fully cure the adhesive.

FITTING THE HANDLES

CENTRE STAGING (F)

If you wish to fit the centre staging glass (453mm x 453mm) sheets place these on the middle staging rails before glazing the frame. There is approx. 1" (2cm) gap between the sheet to allow air circulation. Centre staging is rated to 25kg per sheet.

FITTING THE END GLASS

To fit the glass push the sheet into the deeper top channel, then lower into the bottom channel. Make sure the glass is properly in the top and bottom channel before letting go. If you wish, you can fit the corner angles and black wedges at this point (see next page).

FITTING THE FRONT 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 properly in both channels before letting go. 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).

FITTING THE ROOF GLASS

To fit the glass push the sheet into the channel of the ridge rail, then lower into the front top rail channel. Put the first sheet in at the right hand end and then push it under the lip of the end plate. The second sheet will fit on top of the first sheet and overlap the first panel by approx. 1" (2cm).

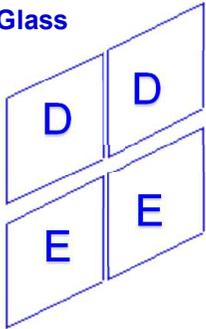
TOP BACK GLASS

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.

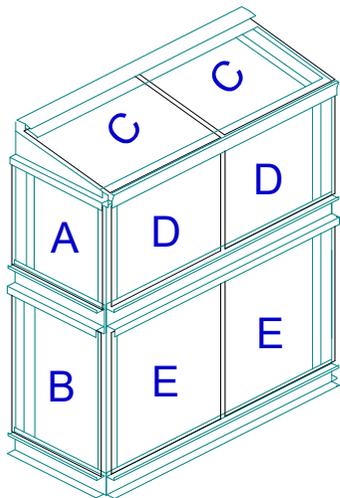
BOTTOM BACK GLASS

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.

Back Glass



B. Glass bracket



FRONT & SIDE GLASS			
A	500mm x 500mm	Qty: 2	Pack: GT-5-5-4
B	750mm x 500mm	Qty: 2	Pack: GT-7-5-3
C	500mm x 500mm	Qty: 2	Pack: GT-5-5-4
D	500mm x 500mm	Qty: 2	Pack: GT-5-5-4
E	750mm x 500mm	Qty: 2	Pack: GT-7-5-3
F	453mm x 453mm	Qty: 2	Pack: GT-SG2
End glass (A & B) have no handles			
BACK GLASS			
D	500mm x 500mm	Qty: 2	Pack: GT-5-5-4
E	750mm x 500mm	Qty: 2	Pack: GT-7-5-3
Rear glass (D & E) have no handles			



D. Thimble wedge



F. Ring wedge



F. Centre staging fitted



A. Fitting the glass



Glass in channel with two sheets overlapping



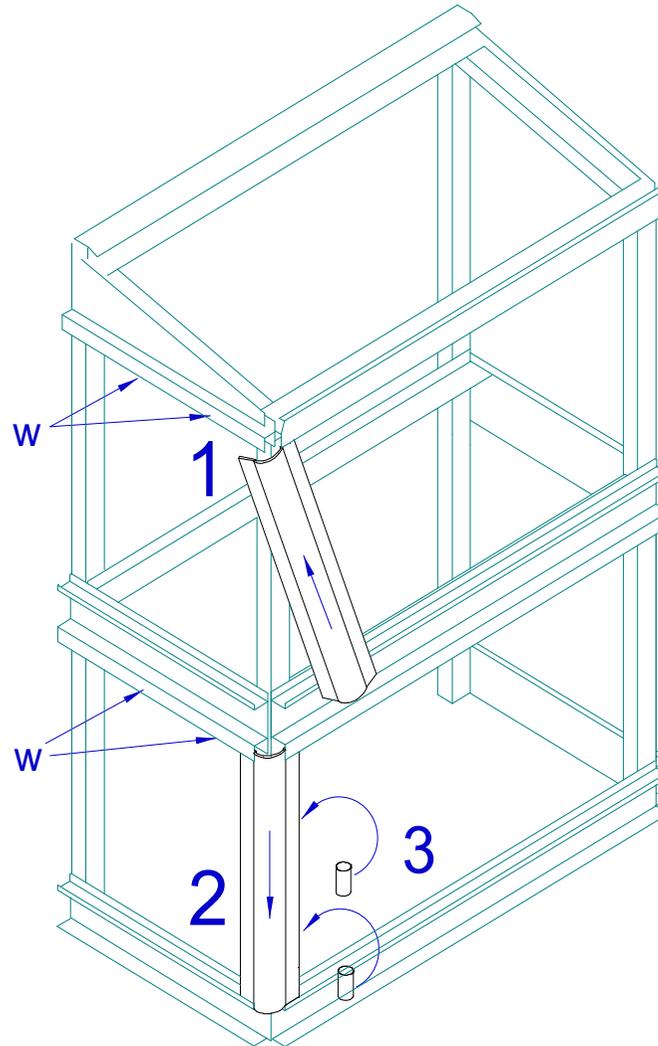
Roof glass overlapping

BLACK 'WEDGES'

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 pack: SCREW-H1

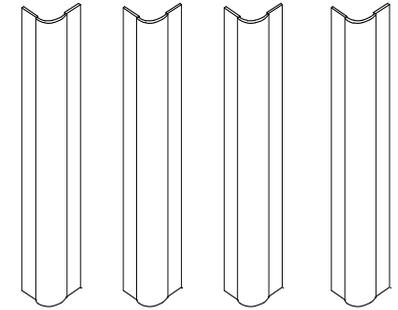


Corner trim in place



Fitting the hollow tube

Aluminium corner trims



You also need: 2 bags marked as TRIM-4

PARTS NEEDED



- 1 Take one of the corner trims and push it up into the top channel and the 'h' section.
- 2 Swing the corner trim in so that it is vertical and drop it into the channel below. At this point the trim will be loose.
- 3 Slide the front glass door out of the way. Take one of the hollow tubes contained in the pack marked 'TRIM'. From the front of the frame, push the tube between the framework and the corner trim. Slide the tube downwards as far as it will go.

Insert a second hollow tube and repeat the action, but this time push the tube up as far as it will go.

These tubes keep the corner trim firmly in place, and act as a stop for the sliding doors.
- 4 Repeat for the other 3 corners.

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. See page 7.
GLASS STICKS TOGETHER	This is normally due to the handles not being put on the right side of the glass. See image 1 below and page 11 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 - see image 3 below.
GLASS FALLS OUT OF THE UPPER LEVEL	Make sure there is no gap on the mitre joint and that the front rail fits properly - see image 4 below.
WATERING INLET LEAKS	Try tightening the inlet fitting as it needs to be tight to seal.

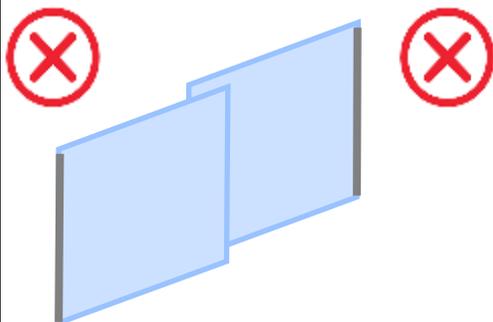


IMAGE 1



IMAGE 2



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.

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!