ASSEMBLY INSTRUCTIONS

Freestanding Harlow

CONTENTS

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

Please keep all packaging until installation is complete

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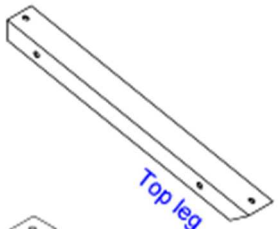
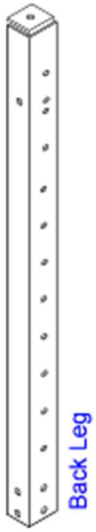
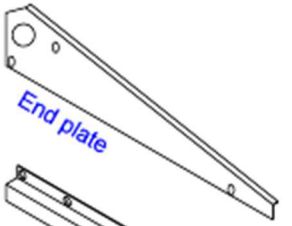
Assembly instructions for model: Harlow AB2 (1.00m/3'4")

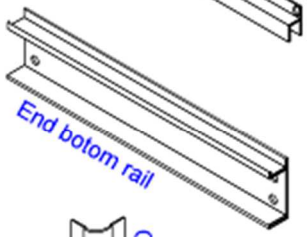
Date: Sep 2026 Rev 4 File AB2



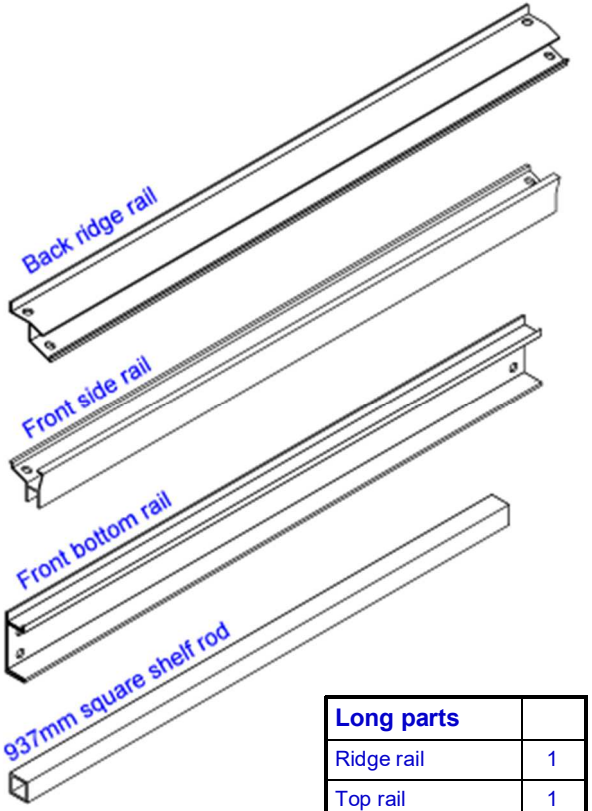


Leg parts	
Back leg	2
Front leg	2
Top leg	2



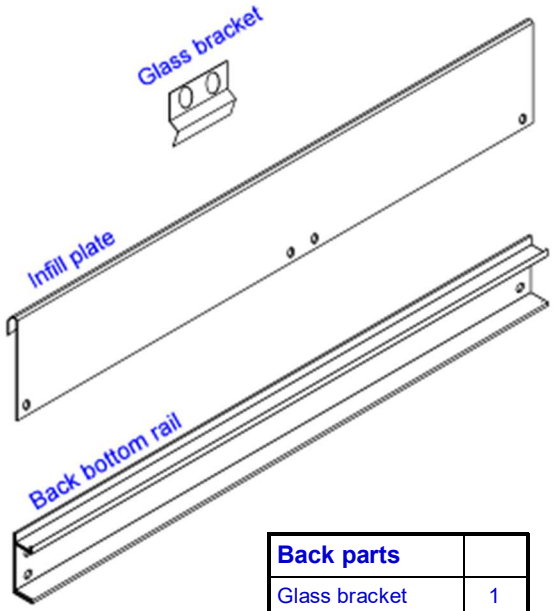


End parts	
End plate	2
'h' section	2
Bottom rail	2
Corner Angle	2



Long parts	
Ridge rail	1
Top rail	1
Bottom rail	1
937mm shelf rod	6

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



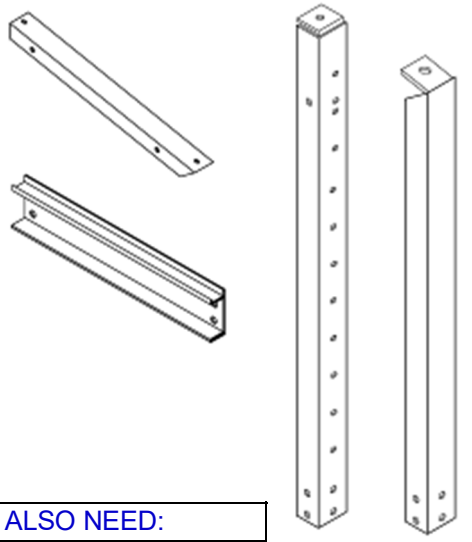
Back parts	
Glass bracket	1
Infill plate	1
Bottom rail	1

Additional Items		
Handle 475mm		3
Handle 725mm		3
Grey watering pipes		2
Watering pack	I-SP-1	1
Screw pack	SCREW-H4	1
Screw pack	SCREW-H6	1
Anchorage pack	FR-AKG	1
Standard shelf pack	S-N2	1
Trim pack	TRIM-4	1
Black 12mm channel liner	W65-5M	1
Black 16mm channel liner	W66-2M	1
Allen Key	SCREW-H4	1

MAIN ALUMINIUM PARTS

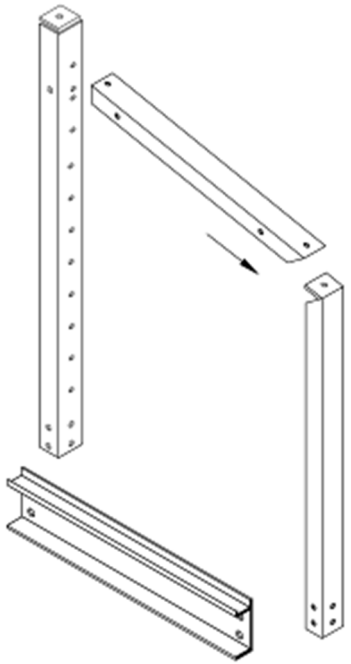
Top leg rests against the **FLAT FACE** of back leg—it is not bolted to the back leg

Back leg the wrong way round

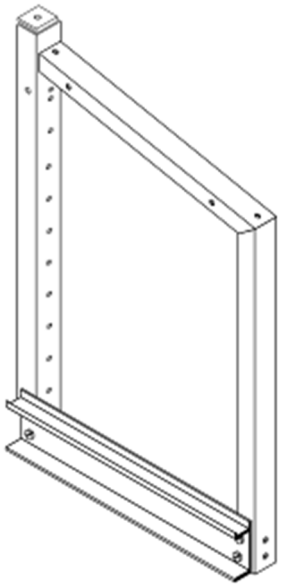


YOU ALSO NEED:	
10mm BOLTS	4
METAL WASHERS	4
NUTS	4
Located in pack: SCREW-H4	

PARTS NEEDED FOR EACH END

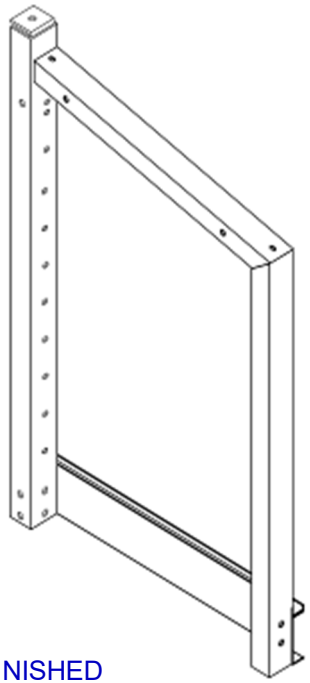


EXPLODED VIEW



FINISHED
LEFT HAND END

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



FINISHED
RIGHT HAND END

DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE

ANCHORAGE
BRACKET FITTED

1. Make up the LEFT hand end as shown.

2. Make up the RIGHT hand end as shown.

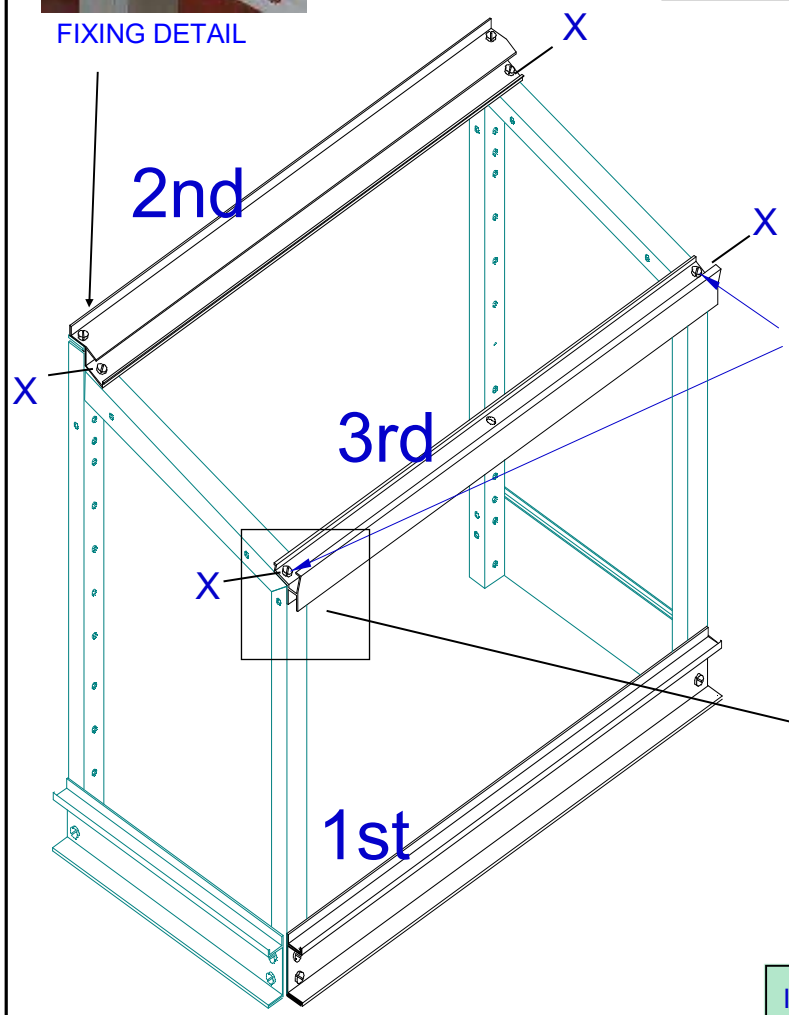
3. Fit an anchorage bracket to the inside face of each of the 4 legs. Use pack FR-AKG.

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

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

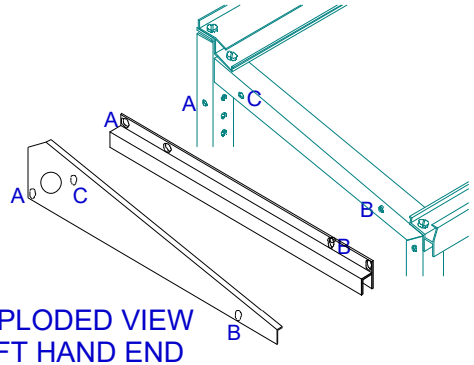
PARTS NEEDED

YOU ALSO NEED:	
10mm BOLTS	8
20mm BOLTS	2
METAL WASHERS	6
NUTS	10
Located in pack: SCREW-H4	

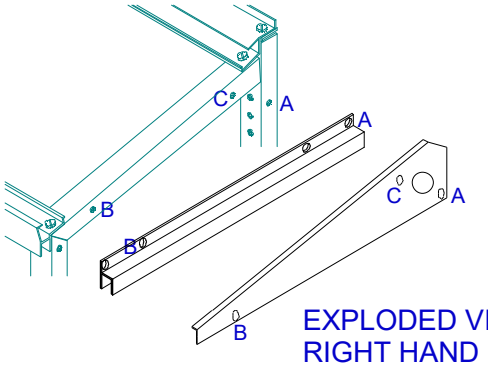
1 Bolt on the rails in the order shown.

DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE

ADDING THE LONG RAILS

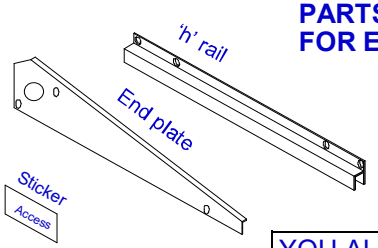


EXPLODED VIEW
LEFT HAND END



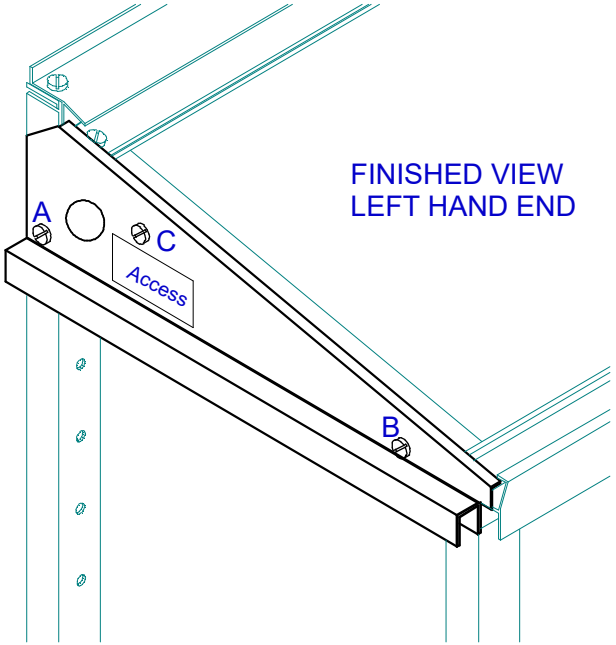
EXPLODED VIEW
RIGHT HAND END

PARTS NEEDED FOR EACH END



YOU ALSO NEED:	
10mm BOLTS	3
METAL WASHERS	3
NUTS	3
Located in pack: SCREW-H4	

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

END PLATES

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.

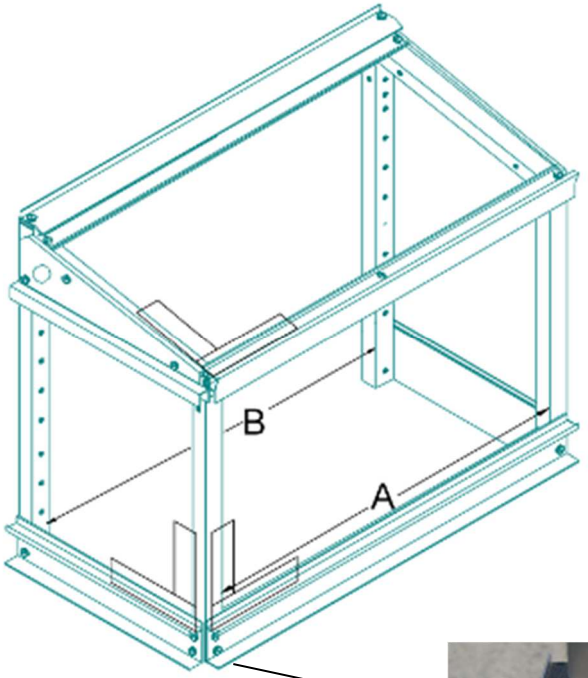
Slacken the nuts if necessary to move the framework into a square position.

IT IS ESSENTIAL TO GET THE FRAME SQUARE. DO NOT ALIGN TO THE GROUND AS IT MAY NOT BE SQUARE .

Ensure distance 'A' is equal to distance 'B' otherwise the shelves will not fit.

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

FULLY TIGHTEN ALL BOLTS



2 FIXING TO FLOOR

Drill through the bracket with a 6mm masonry drill bit, to a depth of 35mm. Insert the red rawlplug, into the concrete.

NOW FIT THE BACK ON PAGE 6

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

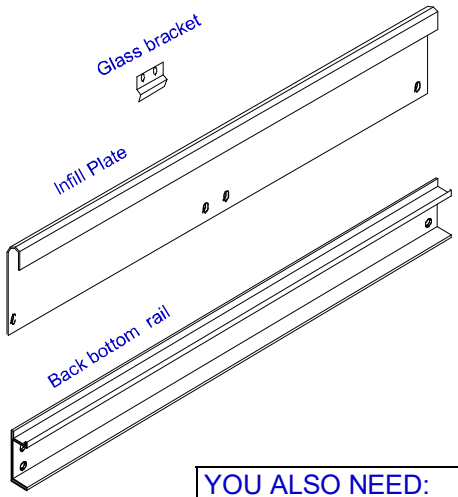
INSIDE VIEW OF FRONT LEG SHOWING FRONT FIXING

NOTE
IF YOU PURCHASED A WHEELED KIT, REFER TO THE INSTRUCTIONS NOW

WEAR APPROPRIATE SAFETY EQUIPMENT WHEN DRILLING OR HAMMERING

SQUARING AND FIXING

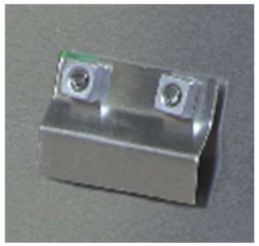
PARTS NEEDED



YOU ALSO NEED:	
10mm BOLTS	2
40mm BOLTS	6
NUTS	8
20mm NYLON SPACER	6
3mm NYLON SPACER	4
Located in pack: SCREW-H6	

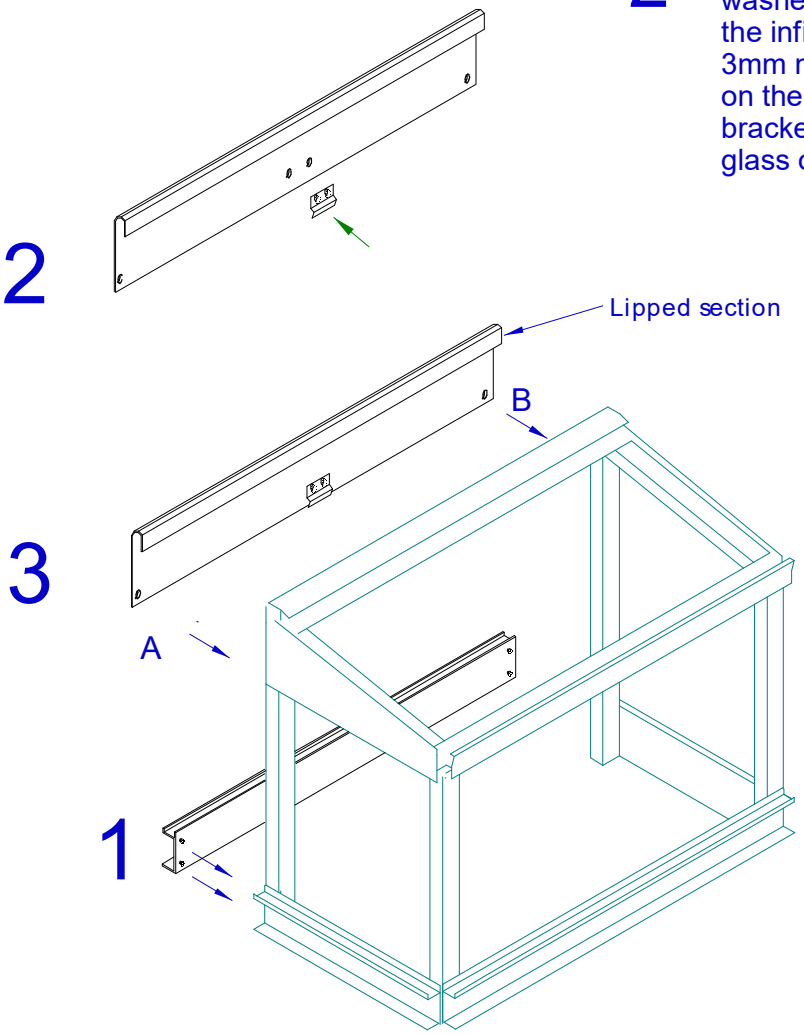
2 **<u>Remove the plastic protective film from the infill plate and end glass bracket</u>**. Put a metal washer on the 10mm bolt which goes through the infill plate from the outside at hole ‘E’. Put a 3mm nylon spacer on each bolt before pushing on the glass bracket, then fit the nut. Glass bracket is INSIDE frame and will clamp onto the glass once the glass is in place.

Nylon spacers on infill plate



Completed bracket inside Growhouse

Nylon spacers on infill plate



3 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 nylon 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.

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.

FULLY TIGHTEN BOTTOM RAIL BOLTS ONLY

FITTING THE BACK

1. Lightly tap rawlplug inserts into both ends of the tubular aluminium shelf rods with a hammer.

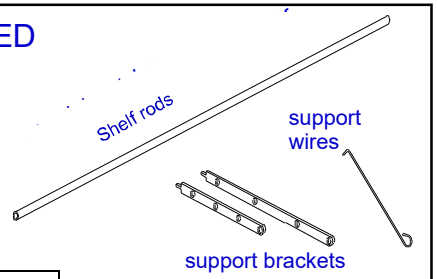
2. Screw the support brackets on to each end EXCEPT for the rod that has the support wires.

3. For the rod with the support wires put the spacer and the support wire onto the screw BEFORE passing through the bracket.

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

PARTS NEEDED

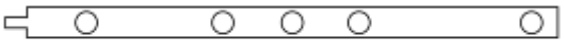
Square rod profile
Flat face is uppermost

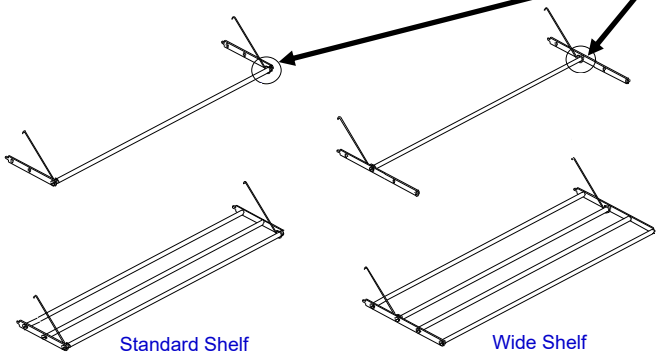


YOU ALSO NEED PER SHELF ROD:	
RAWLPLUG	2
WOOD SCREW	2
Located in packs: S-N2	

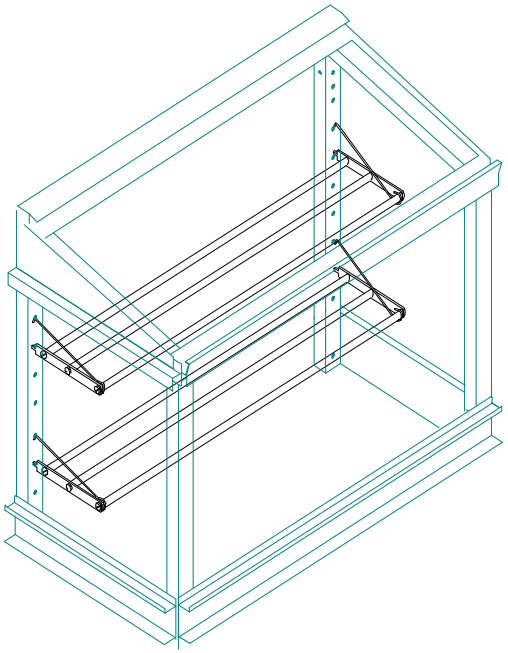
YOU ALSO NEED PER COMPLETE SHELF:	
NYLON SPACER	2
Located in packs: S-N2	

5–hole strap (wide)
Fit the rods to the holes 'F' - the rod with support wire is marked SW. The centre hole is unused.





Note: A Pozidrive screwdriver will fit the screws best



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
AS STANDARD THE UNIT COMES WITH TWO STANDARD SHELVES, BUT IF NO LOUVRE IS FITTED, ONE SHELF CAN BE UPGRADED TO A WIDE SHELF

Bottom shelf hung flat against the back

SHELVING

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-H4) into the unused irrigation hole at the opposite end of the unit

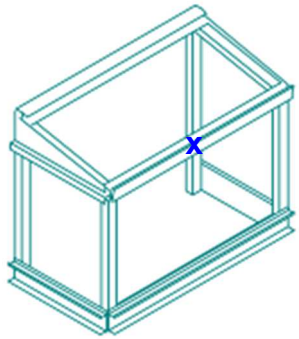
TIP: Dip the end of the pipe in water.
For a better fit, twist the pipes as they are inserted.

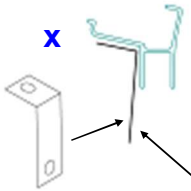
PARTS NEEDED:	
NOZZLE ASSEMBLY	1
SINGLE TEE	2
BLANKING PLUG	3
'L' BRACKET	1
ENTRY FITTING: Nipple, adaptor, washer and brass elbow	1
10MM BOLTS & NUTS	1
BLACK STRAPS (short)	3
Located in pack: I-SP-1	

6mm PIPES	**AB2**	2

2

'L' shape brackets need to be fitted inside the frame.
x - Use a nut and bolt to fix to the hole

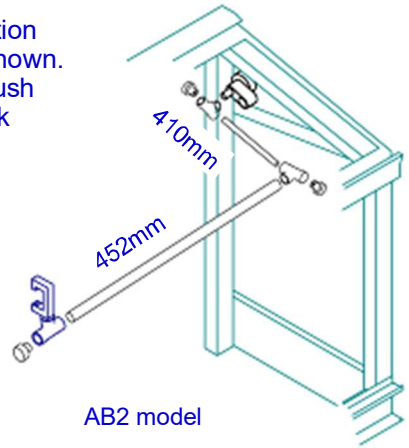




Use black strap through hole to fix pipework to bracket

3

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



AB2 model

4

Once assembled 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 top leg.

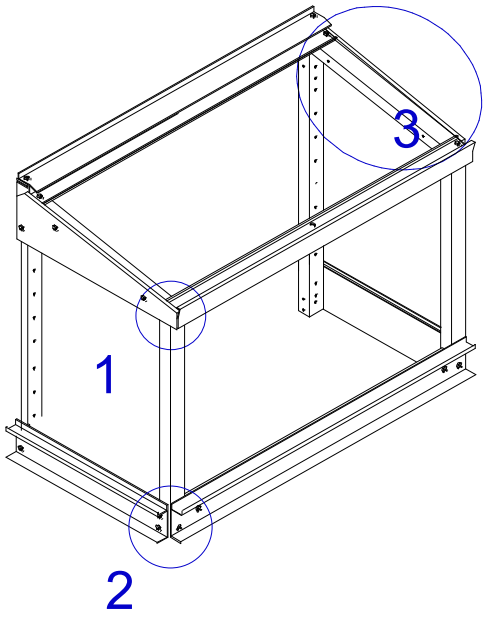
End securing strap

Inlet and link pipe

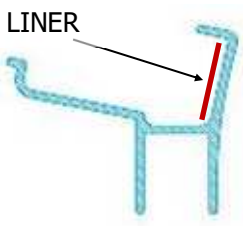
Nozzle strapped to 'L' bracket

FITTING THE CHANNEL LINER

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

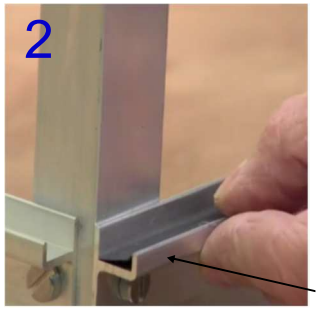


1 The black 16mm channel liner (W66-2M) fits on the inside vertical face of top FRONT rail only. This is a loose fit so strips of double sided tape are included to secure it until the glass is in place.



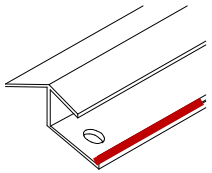
2 The black 12 mm channel liner (W65-5M) goes in the FRONT bottom rail only. Using the strips of double sided tape press liner down so that it LIES FLAT at the bottom of the channel - trim with a knife if necessary.

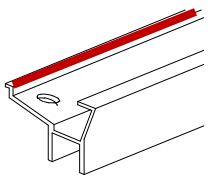
THE DOORS WILL NOT SLIDE PROPERLY IF THE LINER IS NOT FLAT

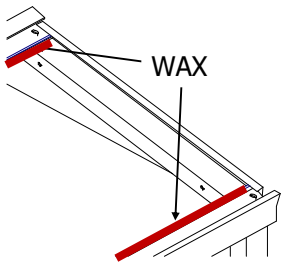


TIP: Do not use the red covered sticky pads that are for the handles

3 To make the top glass slide more easily, rub candle wax onto the glass bearers. Also wax the black 12 and 16mm channel liners.







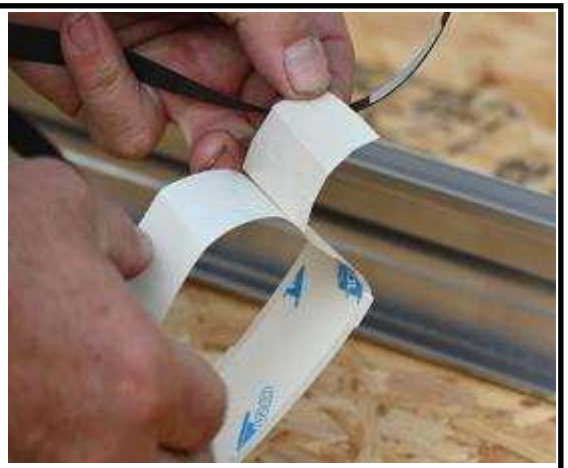
Removing the tape

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.

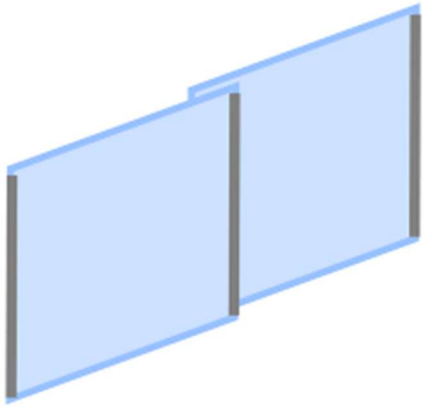
When ready, peel the wide backing pads off the tape and stick the liner to the aluminium.



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.

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.

	'B' sheet	'C' sheet
Sheets requiring one handle	1	1
Sheets requiring two handles	1	1

SEE PAGE 13 FOR WHICH GLASS SHEETS NEED HANDLES

Handle fitted with 15mm gap

Sheet with 2 handles

Sheet with 1 handle

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.

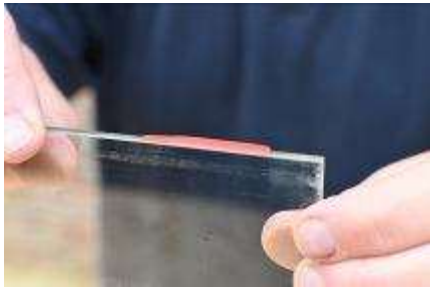
4

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

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).

FITTING THE BACK GLASS
Slacken the four end plates 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 until the plate just starts to deform. Fit a ring wedge (D) into the bottom glass channel - 1 per sheet.

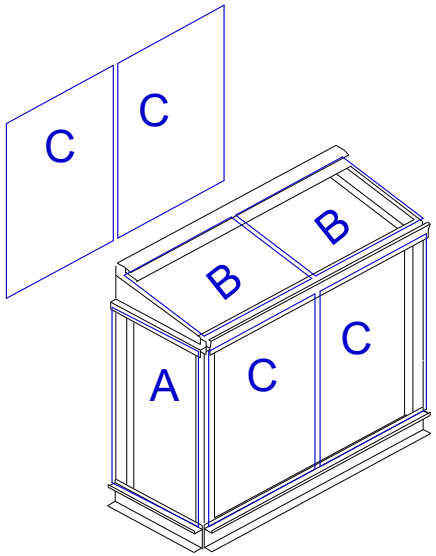

Rear glass fitted


A. Fitting the glass


B. Glass bracket


Glass in channel with two sheets overlapping

Back Glass



FRONT & SIDE GLASS			
A	750mm x 500mm	Qty: 2	Pack: GT-7-5-3
B	500mm x 500mm	Qty: 2	Pack: GT-5-5-2
C	750mm x 500mm	Qty: 2	Pack: GT-7-5-3
End glass (A) has no handles.			

BACK GLASS			
C	750mm x 500mm	Qty: 2	Pack: GT-7-5-3
Rear glass (C) has no handles.			

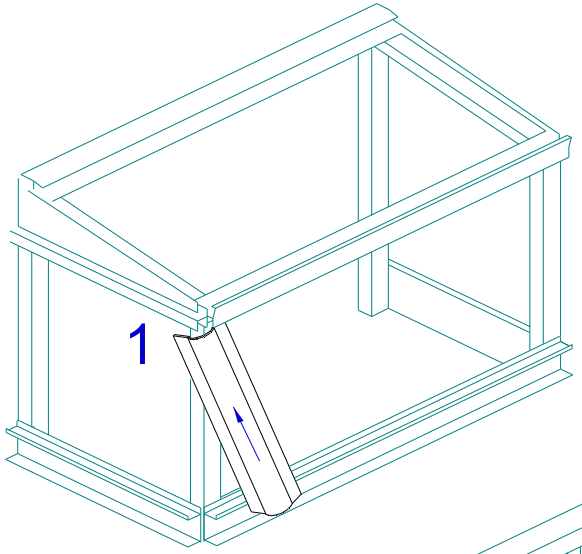

D. Ring wedge
(Located in pack: SCREW-H6)

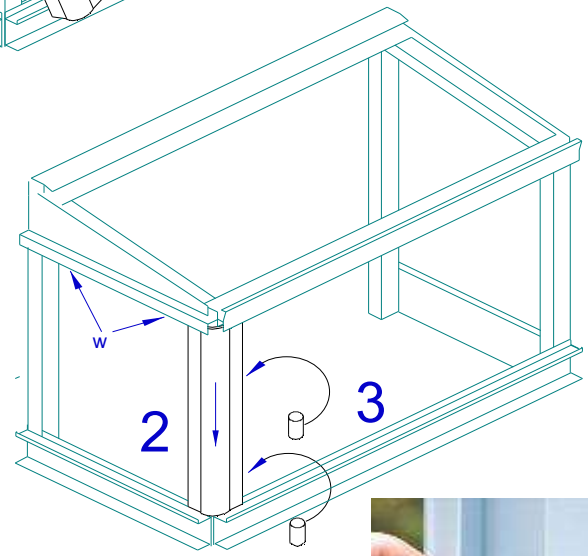

Roof glass overlapping

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-H4

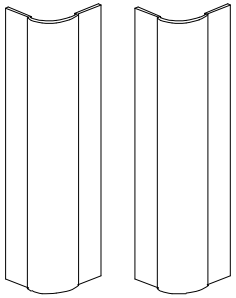




Corner trim in place

Fitting the hollow tube

Aluminium corner trims



You also need:
Bag marked
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 corner.

FITTING THE CORNER TRIM

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 6.
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 6.
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.

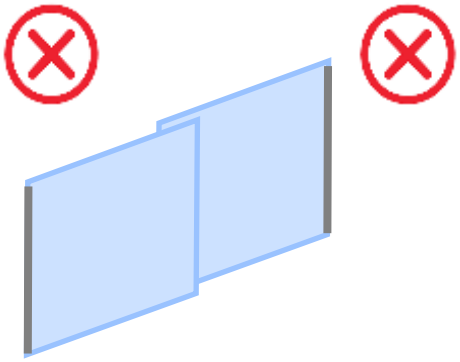


IMAGE 1

IMAGE 2

IMAGE 3

DEEPER
channel at bottom

IMAGE 4

No gap in mitre and front top rail fitted properly

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!