

ASSEMBLY INSTRUCTIONS

6ft Value Wall Frame, Growhouse

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Please keep all packaging until installation is complete



Model SWG shown



Model SBG 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:

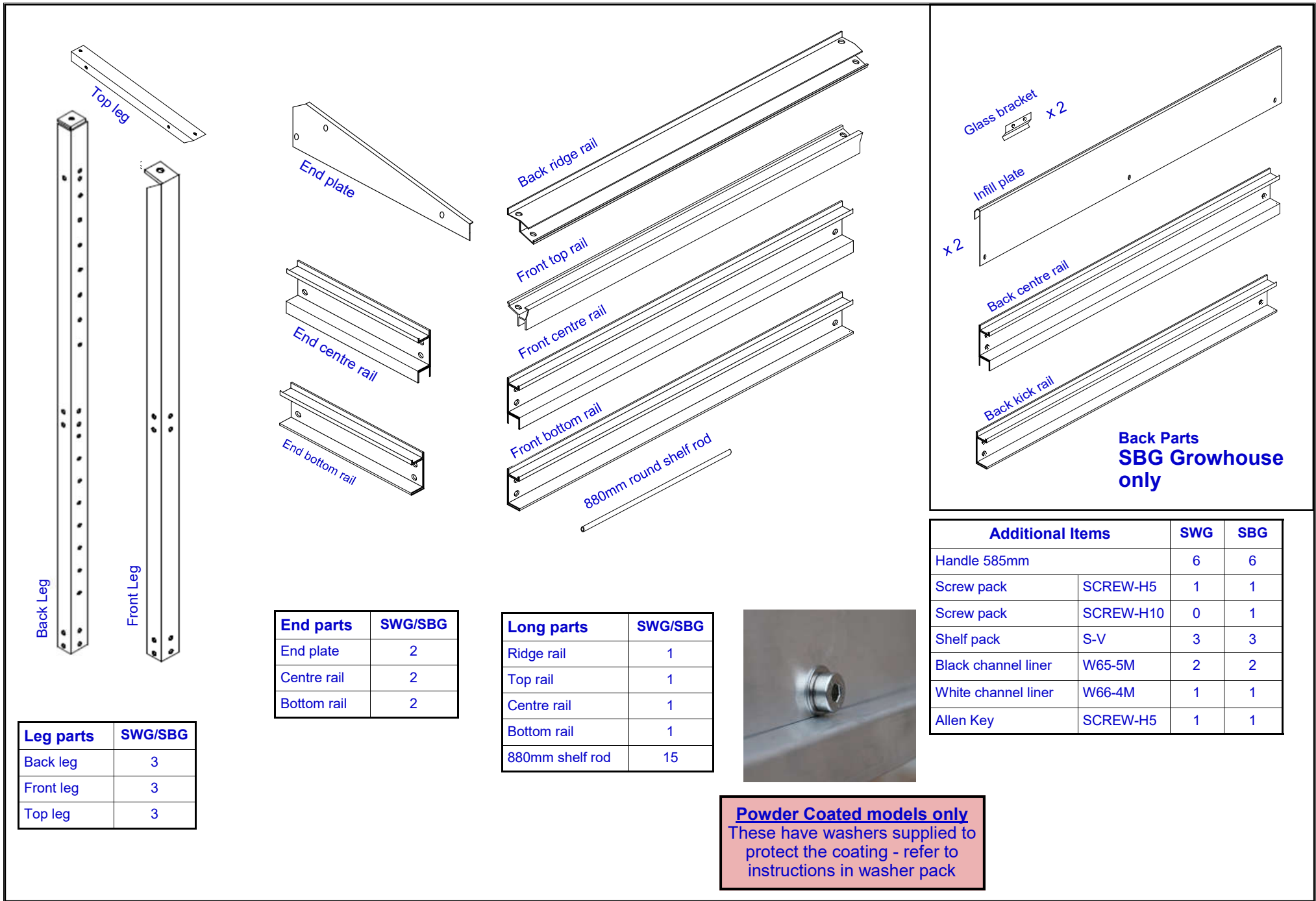
instructionfeedback@garden-products.co.uk

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Assembly instructions for models: SWG (6ft Wall Frame)
SBG (6ft Growhouse)

Date: June 23 Rev 7 File: SWBG



Top leg
Back Leg
Front Leg

End plate
End centre rail
End bottom rail

Back ridge rail
Front top rail
Front centre rail
Front bottom rail
880mm round shelf rod

Glass bracket x 2
Infill plate x 2
Back centre rail
Back kick rail

**Back Parts
SBG Growhouse
only**

End parts	SWG/SBG
End plate	2
Centre rail	2
Bottom rail	2

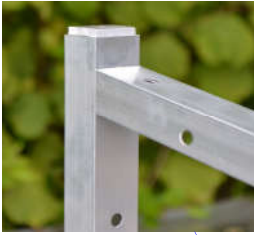
Long parts	SWG/SBG
Ridge rail	1
Top rail	1
Centre rail	1
Bottom rail	1
880mm shelf rod	15



Powder Coated models only
These have washers supplied to protect the coating - refer to instructions in washer pack

Additional Items		SWG	SBG
Handle 585mm		6	6
Screw pack	SCREW-H5	1	1
Screw pack	SCREW-H10	0	1
Shelf pack	S-V	3	3
Black channel liner	W65-5M	2	2
White channel liner	W66-4M	1	1
Allen Key	SCREW-H5	1	1

Leg parts	SWG/SBG
Back leg	3
Front leg	3
Top leg	3



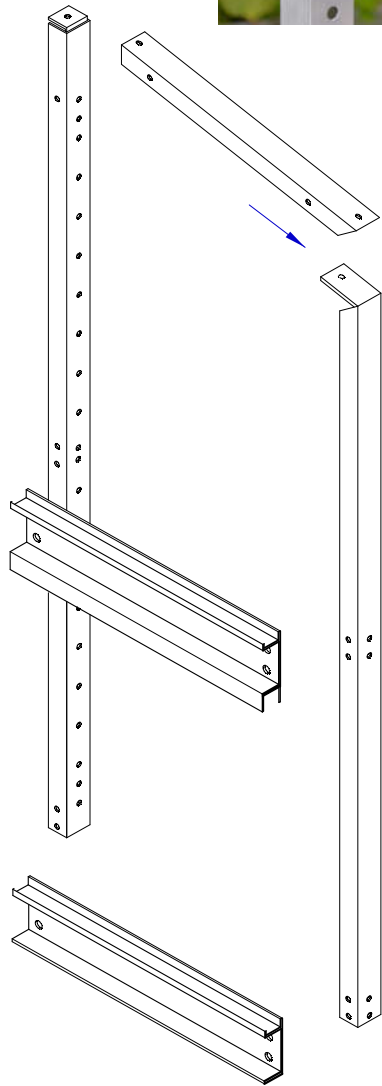
Top leg rests against the **FLAT FACE** of back leg—it is not bolted to the back leg



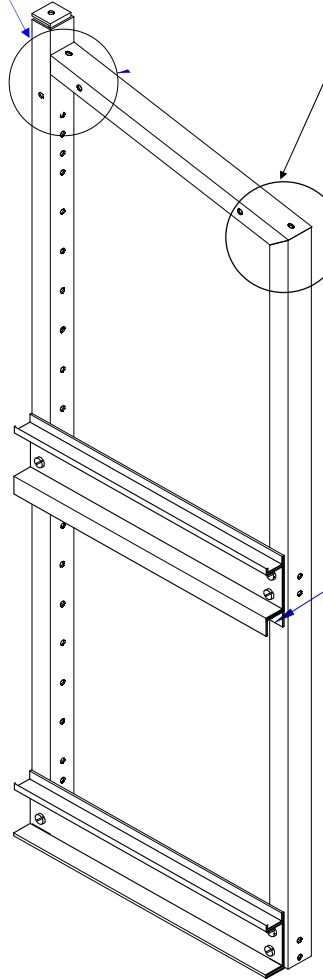
Slide the tongue of the front leg into the groove on the top leg.



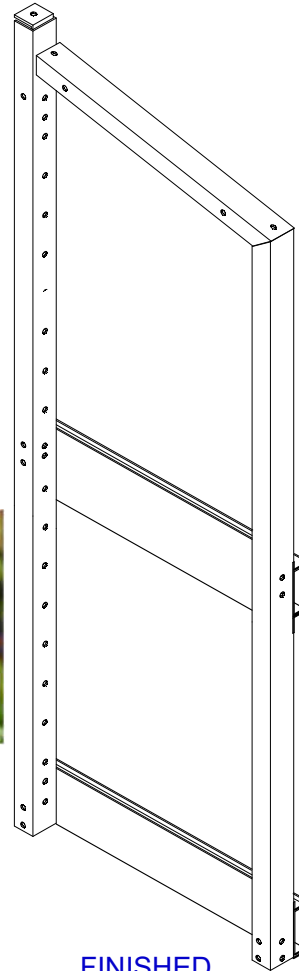
DEEPER CHANNEL AT BOTTOM



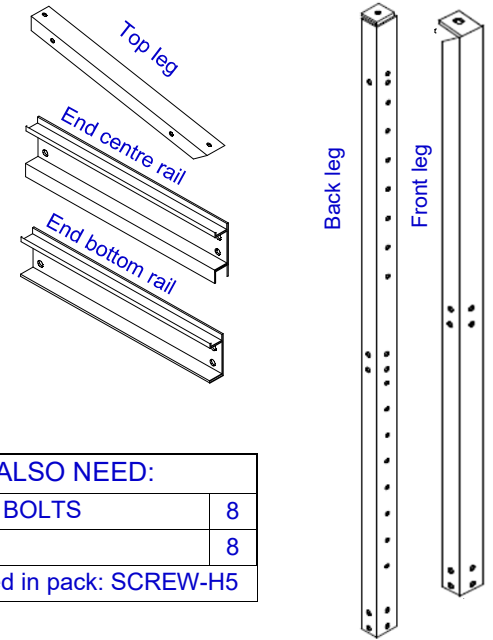
EXPLODED VIEW



FINISHED LEFT HAND END



FINISHED RIGHT HAND END



YOU ALSO NEED:

10mm BOLTS	8
NUTS	8
Located in pack: SCREW-H5	

PARTS NEEDED FOR EACH END

- 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

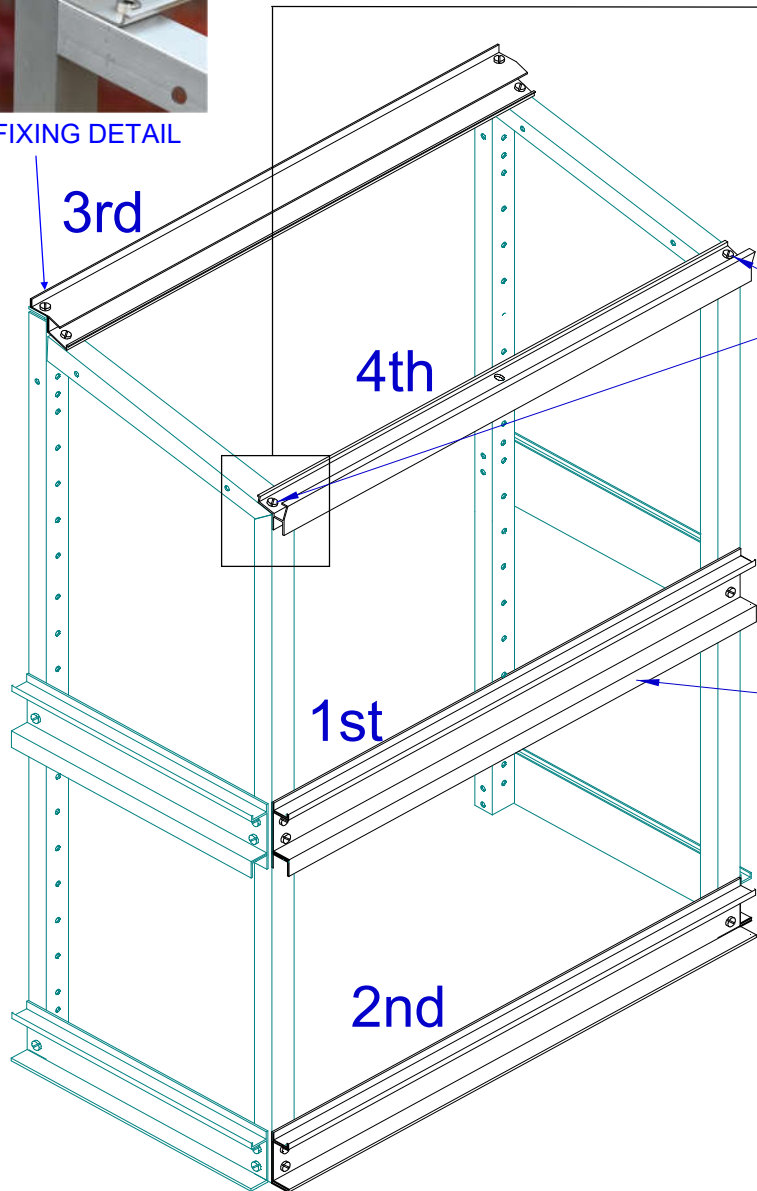
END SECTIONS



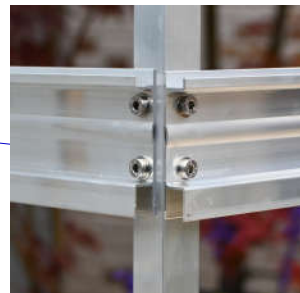
FIXING DETAIL



FIXING DETAIL

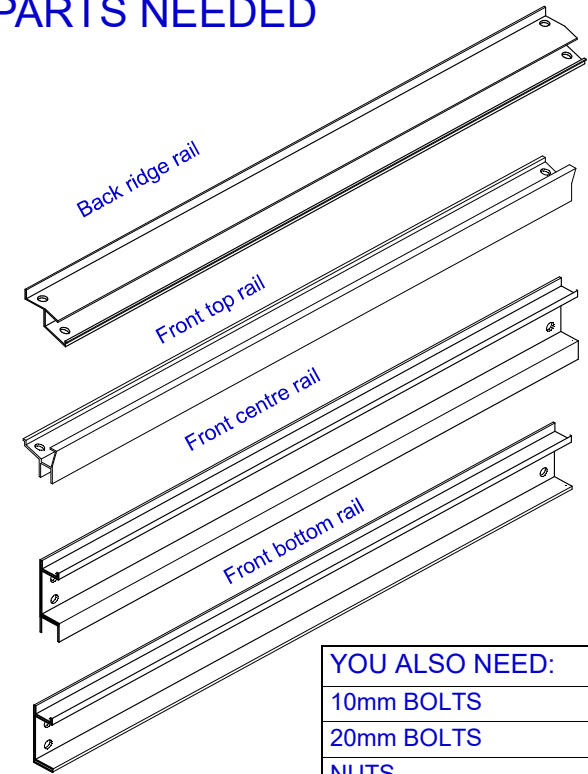


USE THE TWO 20MM BOLTS WITH THIS RAIL



THE DEEPER CHANNEL GOES AT THE BOTTOM

PARTS NEEDED

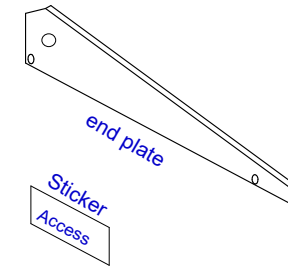


YOU ALSO NEED:	
10mm BOLTS	12
20mm BOLTS	2
NUTS	14
Located in pack: SCREW-H5	

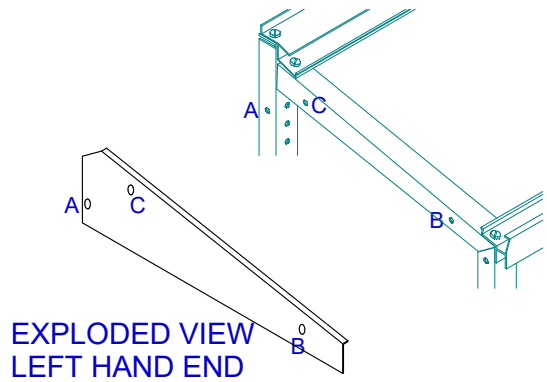
1 Bolt on the rails in the order shown.

DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE

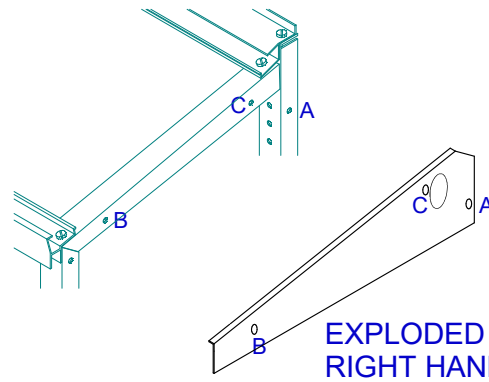
PARTS NEEDED FOR EACH END



YOU ALSO NEED:	
10mm BOLTS	3
NUTS	3
3mm WHITE SPACER	2
BLACK GROMMET	1
Located in pack: SCREW-H5	



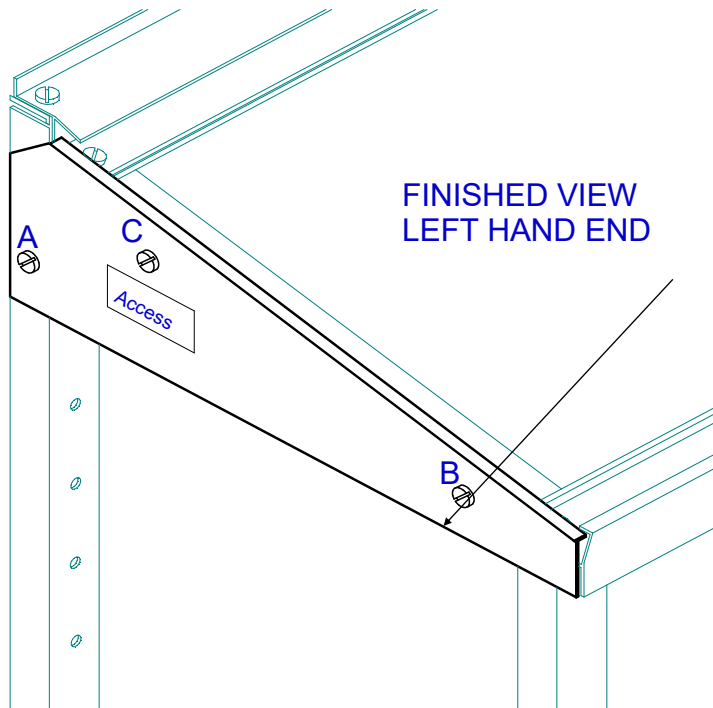
EXPLODED VIEW LEFT HAND END



EXPLODED VIEW RIGHT HAND END



THE END PLATE FITS UNDER THE RIDGE RAIL LIP



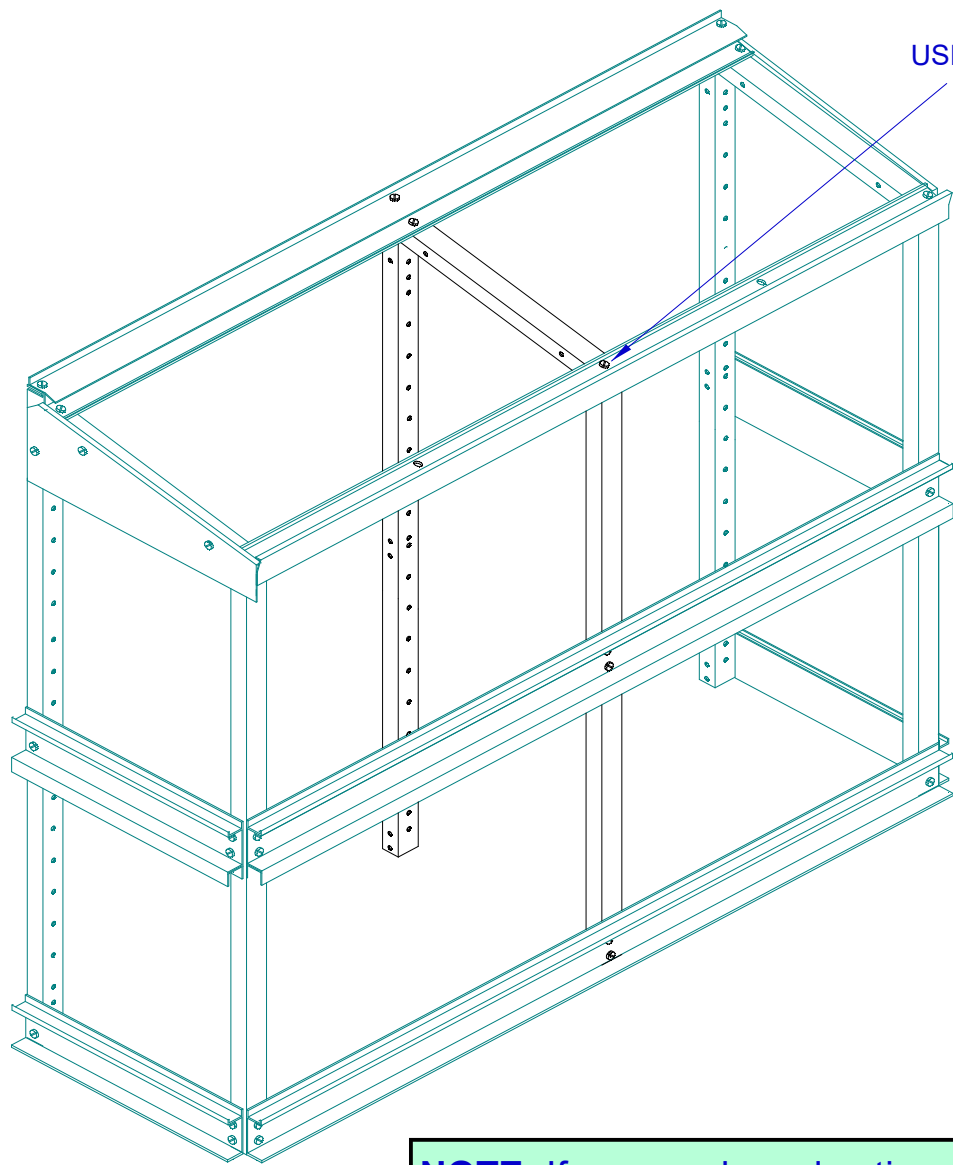
FINISHED VIEW LEFT HAND END



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 Bolts 'A' and 'B' go through the end plate THEN have a 3mm white spacer fitted BEFORE fitting to the frame.
- 3 Bolt 'C' only goes through the end plate and the frame.
- 4 Repeat for the other end.
- 5 One end plate will have a large hole in. Fit the black grommet into the hole.

DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE

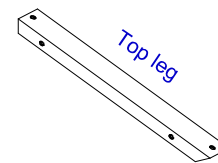


USE 20mm BOLT

CENTRE LEGS
PRIOR TO FITTING

NOTE: If you purchased optional centre staging fit it now, see separate instructions.

PARTS NEEDED



Top leg

Back leg

Front leg

YOU ALSO NEED:

10mm BOLTS	6
20mm BOLTS	1
NUTS	7
Located in pack: SCREW-H5	

1 Fit legs as shown into the frame.

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

1

SQUARING THE FRAME

Use a piece of glass to square the unit up as shown. Slacken the nuts if necessary to move the framework into a square position.

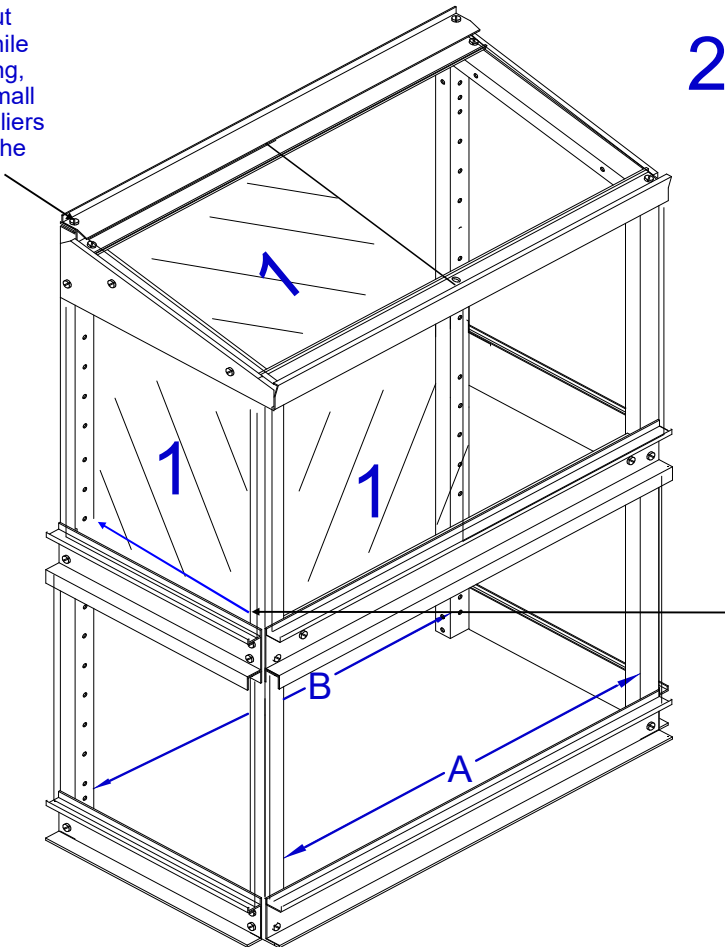
Page 14 gives instructions on how to fit the glass into the frame.

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

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

Remove glass after squaring.

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



2

Once the frame is completely square fully tighten up all the nuts and bolts.

FULLY TIGHTEN ALL BOLTS EXCEPT THE END PLATE BOLTS, otherwise the framework will quickly work loose.

PERIODICALLY CHECK THE TIGHTNESS OF THE BOLTS

IF YOU HAVE A GROWHOUSE NOW GO TO PAGE 8

2

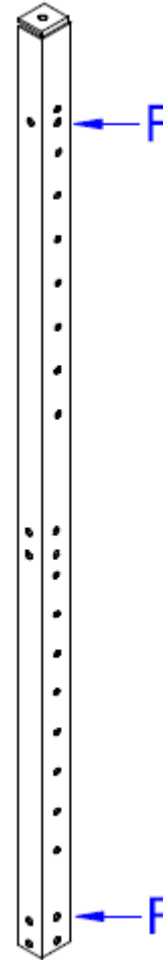
FIXING TO WALL

Two screws are used in each back leg (NOT SUPPLIED). We recommend 2" No. 8 or No. 10 woodscrews.

When fixing to a wall, rawlplugs will be required

Counting from the floor the screws go in the holes marked 'F'.

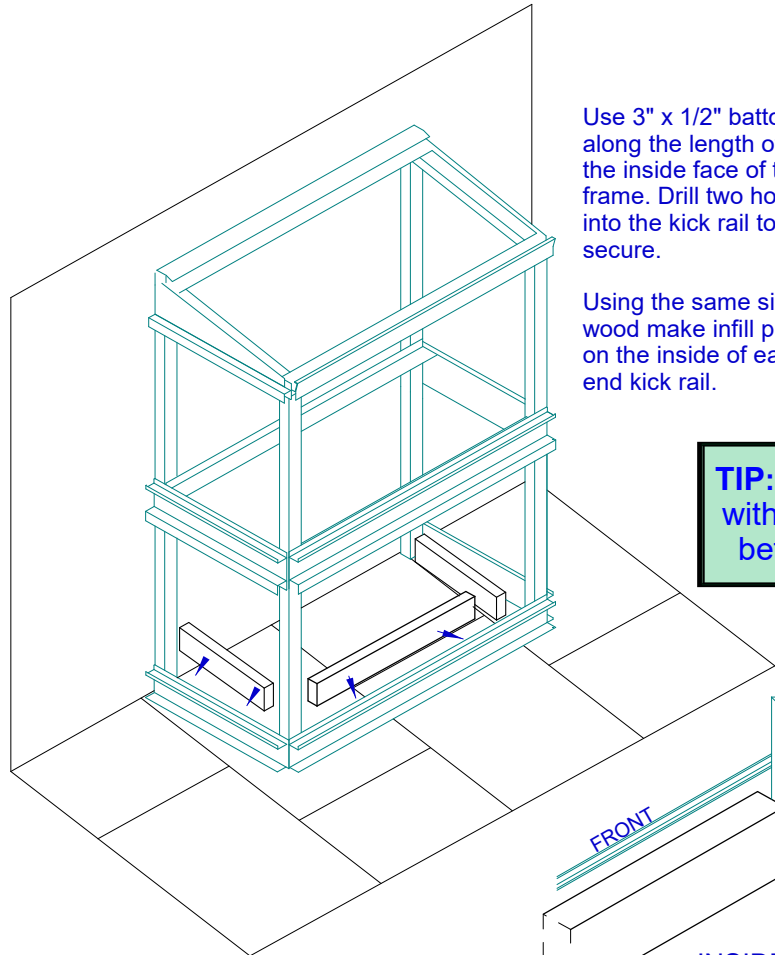
2 & 20



Back leg

WEAR APPROPRIATE SAFETY EQUIPMENT WHEN DRILLING OR HAMMERING

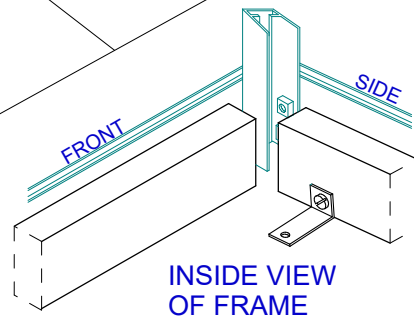
FLOOR FALLING AWAY



Use 3" x 1/2" batten along the length of the inside face of the frame. Drill two holes into the kick rail to secure.

Using the same size wood make infill pieces on the inside of each end kick rail.

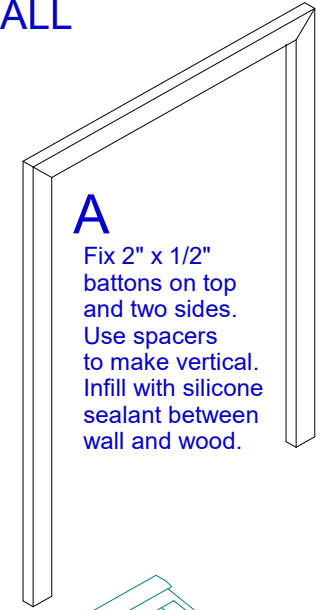
TIP: Always treat timber with wood preservative before fixing in place



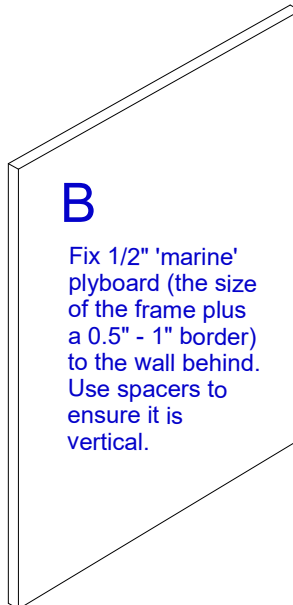
Screw or bolt 'L' shaped brackets to the wood and then to the floor

ROUGH OR SLOPING WALL

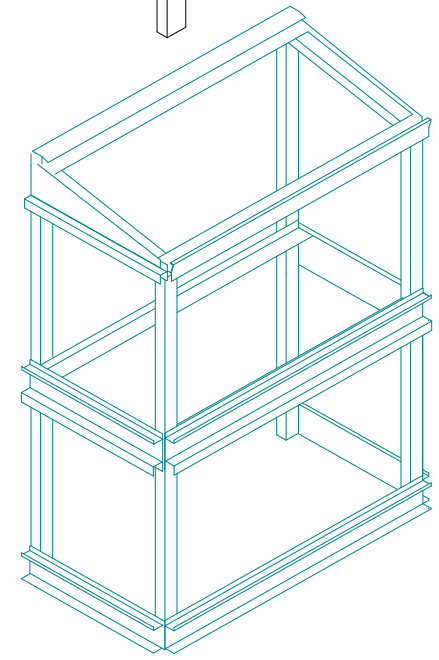
To solve problems with walls choose option A or B below. Fit the frame to the woodwork using 1.25" wood screws. (not supplied) Seal around the inside of the frame with silicone sealant when finished.



A
Fix 2" x 1/2" battens on top and two sides. Use spacers to make vertical. Infill with silicone sealant between wall and wood.

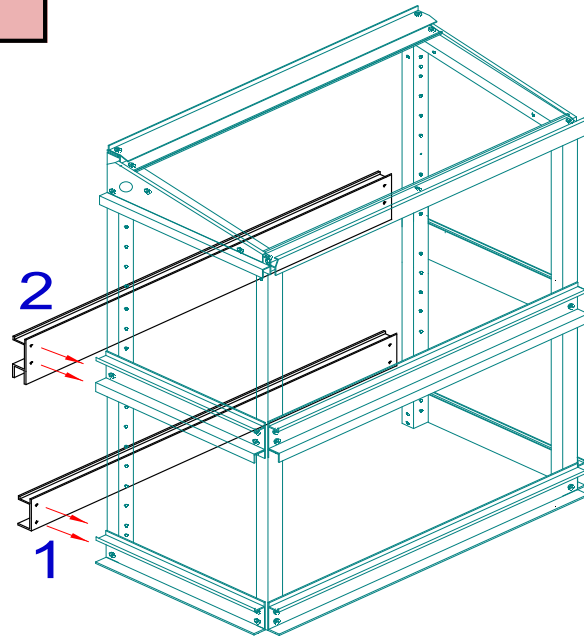


B
Fix 1/2" 'marine' plyboard (the size of the frame plus a 0.5" - 1" border) to the wall behind. Use spacers to ensure it is vertical.



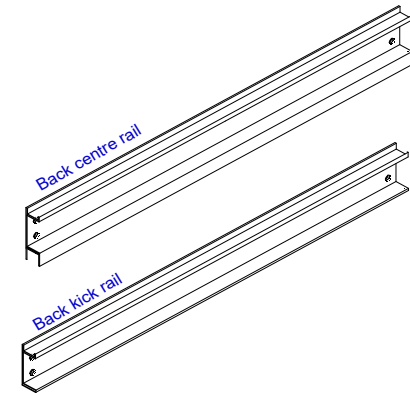
IF YOU HAVE A WALL FRAME MODEL NOW GO TO PAGE 11

FOR VERY WINDY AREAS
FIT OPTIONAL EXTREME
WEATHER KIT (FR-FBG)



- 1** Bolt on back bottom rail. Push long bolts through kick rail then fit a 20mm nylon spacer BEFORE passing through the leg and fitting a nut on the inside of the frame.
- 2** Bolt on back centre rail. Push long bolts through centre rail then fit a 20mm nylon spacer BEFORE passing through the leg and fitting a nut on the inside of the frame.

PARTS NEEDED



YOU ALSO NEED:

30mm BOLTS	12
NUTS	12
20mm NYLON SPACER	12
Located in pack: SCREW-H10	



Nylon spacer
on bolt

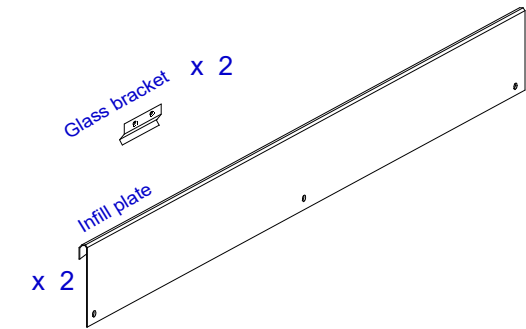
**FULLY TIGHTEN BOTTOM
AND CENTRE RAIL BOLTS**

Fit glass brackets as shown in the diagram below. Note one infill plate will have a notch at one end.

1

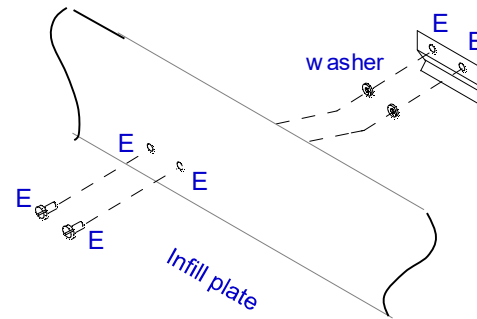
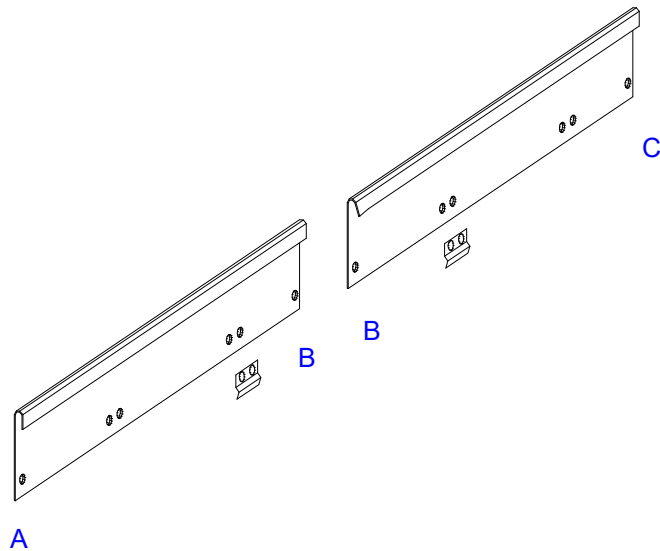
Glass brackets must be fitted to both infill plates. **Remove the plastic protective film from both infill plates.** 10mm bolts 'E' go through the infill plate from the outside. Put a 3mm nylon spacer on each bolt before pushing on the glass bracket, then fit the nut. Glass bracket is INSIDE frame and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

PARTS NEEDED



YOU ALSO NEED:

10mm BOLTS	4
30mm BOLTS	3
NUTS	7
20mm NYLON SPACER	3
3mm NYLON SPACER	7
Located in pack: SCREW-H10	



Completed bracket inside Growhouse



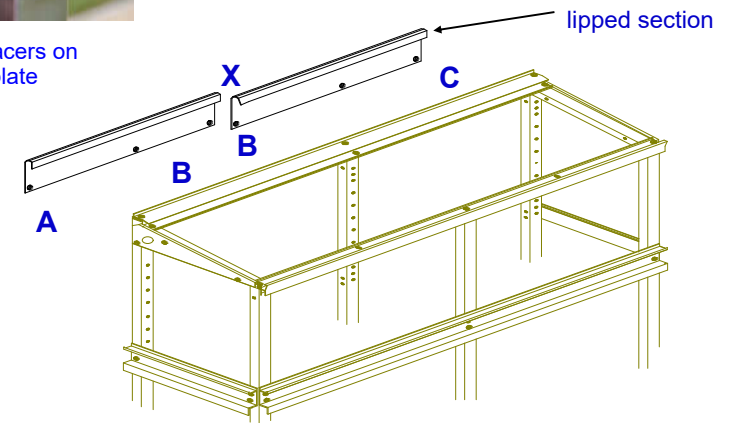
Nylon spacers on infill plate

2

Take the NOTCHED lipped section and push over the upstand on the back rail, it will cover half the length of the frame. Push a 30mm bolt 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.

Take the second infill plate and place it over the upstand on the back rail, overlapping the first plate so holes 'B' align. Bolt through 'B' (rear centre leg) and 'C' remembering to add both spacers.

Do not overtighten these bolts.



1

FIXING TO FLOOR

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

Turn the framework upside down and fit the 'L' brackets to the back legs using a nut and bolt.

PARTS NEEDED

Ground Fixing Pack FR-AKG

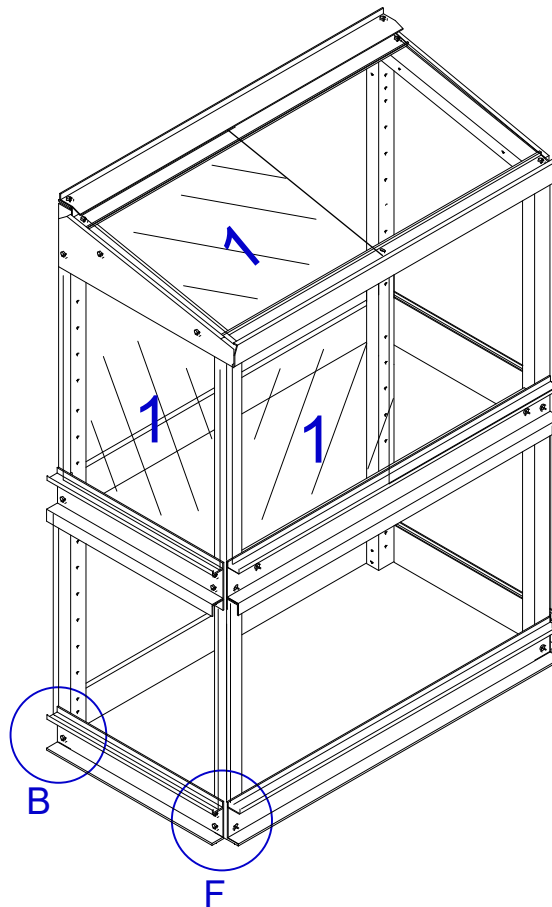
2

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 rawlplug, through the bracket and into the concrete.

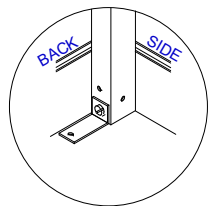
Using a woodscrew, screw through the 'L' bracket and into the rawlplug.

Repeat for other brackets.

WEAR APPROPRIATE SAFETY EQUIPMENT WHEN DRILLING OR HAMMERING

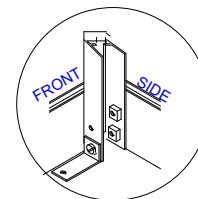


B



INSIDE VIEW OF BACK LEG SHOWING FIXING

F



INSIDE VIEW OF FRONT LEG SHOWING FIXING



Completed front bracket

Models have 3 standard half length shelves + 3 wide half length shelves.

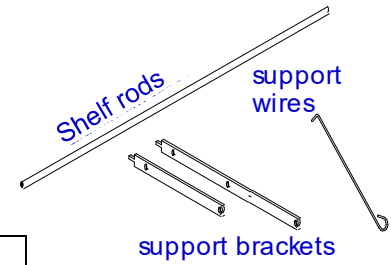
- 1 Lightly tap rawlplug inserts into both ends of the tubular aluminium shelf rods with a hammer.
- 2 Slide the two hooks onto the tube, as shown then screw the support bracket on at each end.
- 3 Fit the other rods to the shelf.

FITTING



Hook support wire into top hole, then swing shelf upward into the adjacent hole below.

PARTS NEEDED

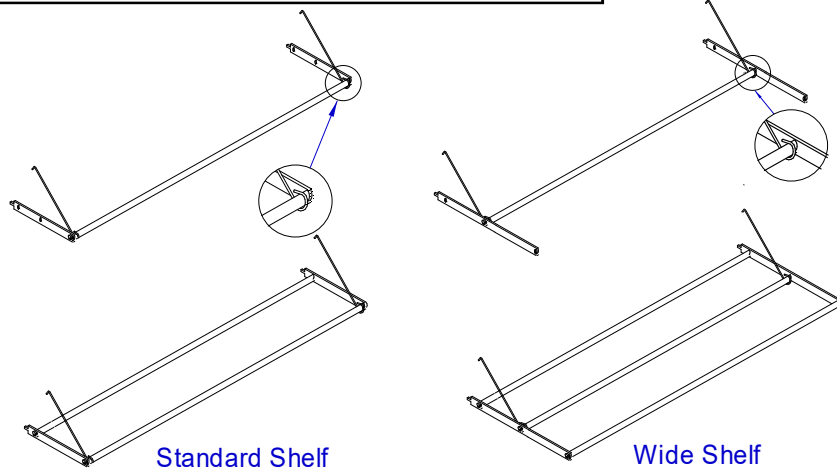
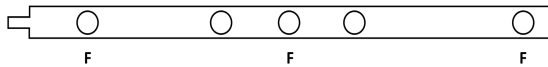


YOU ALSO NEED PER SHELF ROD:

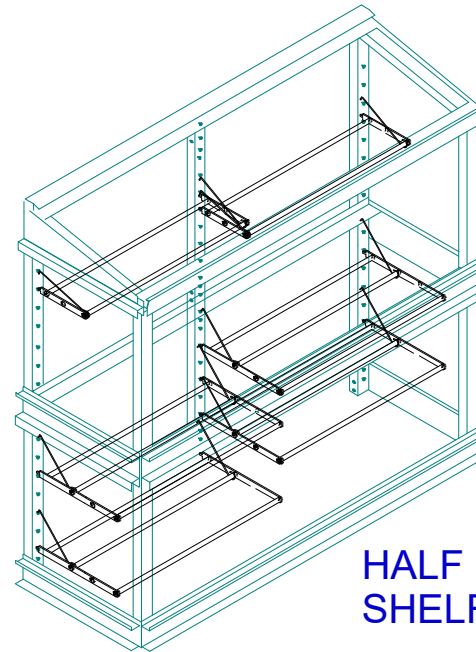
RAWLPLUG	2
1" WOOD SCREW	2
Located in packs: S-V	

NEW 5-hole strap

Fit the rods to the holes 'F'



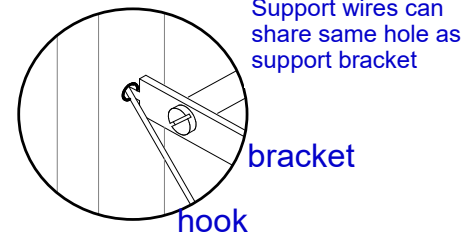
Note: A Pozidrive screwdriver will fit the screws best



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.

HALF LENGTH SHELF FITTING

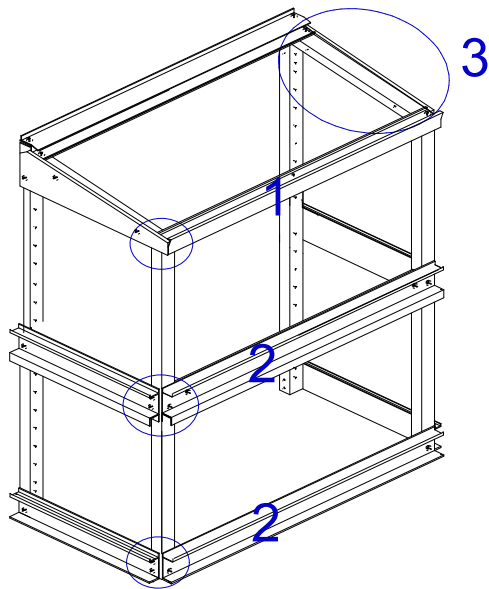


Support wires can share same hole as support bracket



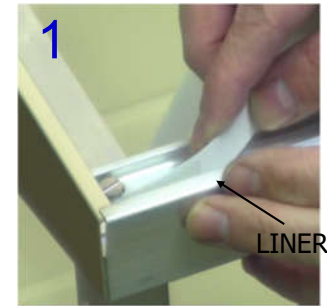
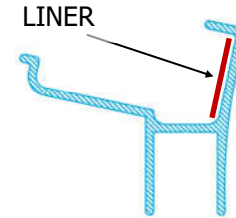
Bottom shelf hung flat against the back

FITTING THE CHANNEL LINER



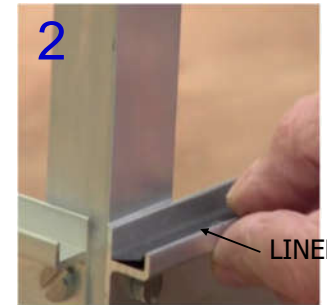
TIP: Before sticking the tape, clean the aluminium of any oil traces to promote adhesion.

1 The white liner (W66-4M) fits on the inside vertical face of the 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.

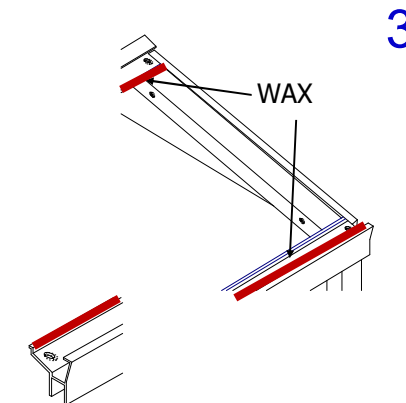
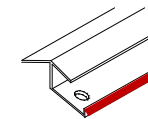


2 The black plastic liner (W65-5M) goes in the FRONT bottom and centre rails only. Using the strips of double sided tape press liner down so that it LIES FLAT at the bottom of the channel - trim with a knife if necessary.

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



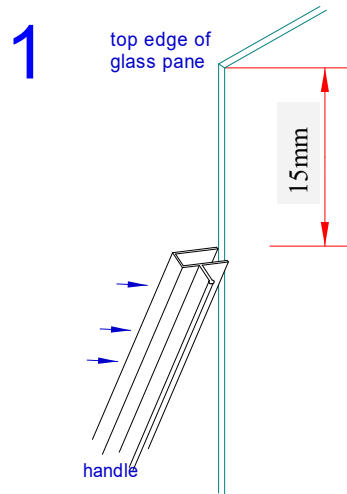
3 To make the top glass slide more easily, rub candle wax onto the glass bearers. Also wax the black and white liners.



FITTING THE HANDLES

When fitting the handles, place the glass on a table or timber battens.
NEVER PLACE THE GLASS DIRECTLY ON CONCRETE OR SLABS

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.



1 First wipe the edge of the glass where the handle will fit with a wet cloth.
 Then slide the handle over the edge of the glass, starting at the top corner of the handle.
 Place the handle 15mm from the top edge of the glass.

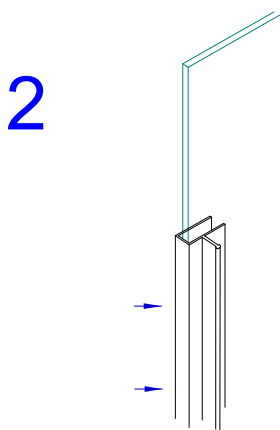
GLASS	SWG	SBG
610mm x 610mm	13	19
Sheets requiring handles	6	6

TIP: Always grip the handle in the **CENTRE** when sliding

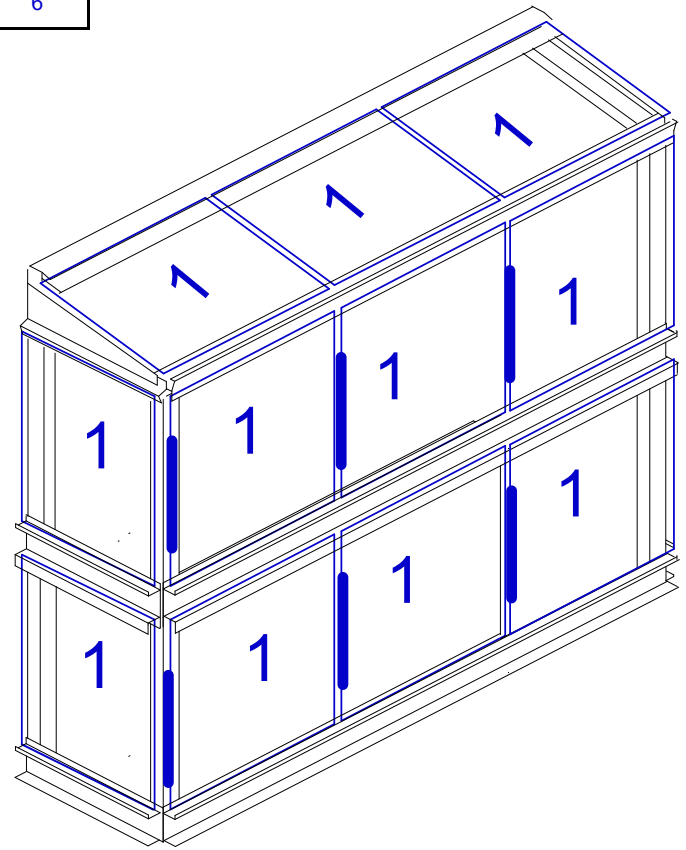


Work on handle from side edge

TIP: Do not try and slide the handle on from the top or bottom



2 Work the handle fully onto the glass.
DO NOT lift the glass by the handle
 Always grip the handle in the **CENTRE** when sliding



Top and end glass have no handles

FITTING HANDLES

Fit the handles to the front glass before fitting into the frame. Ensure the handles are always on the left hand side of the glass.

FITTING THE GLASS (TOP SHEETS, FRONT SHEETS & BOTTOM END SHEETS)

To fit the glass push the sheet into the deeper top channel, then lower into the bottom channel (C). Make sure the glass is firmly in the bottom channel before letting go. Always start glazing from the left hand end and overlap each subsequent pane by approx 1”(2cm).

TOP END GLASS

Slacken the two lower end plate bolts then slide the glass into place from the front corner. The glass is held between the framework and the end plate (A). The bolts on the end plates can then be carefully re-tightened. Fit a ring wedge (D) into the bottom glass channel.

BOTTOM END GLASS

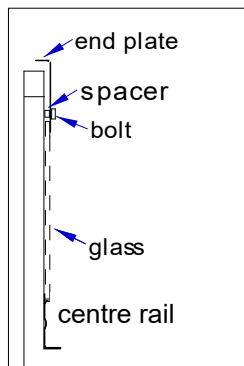
To stop the lower end glass panel rattling, there are two 50mm long black end stops (B). Push these into the bottom channel of the end centre rails as shown. Fit a ring wedge (D) into the bottom glass channel.

TOP BACK GLASS –GROWHOUSE ONLY

Slacken the infill panel bolts and gently slide the first sheet in from the rear corner, slide to the centre. Repeat for the other sheets. Two sheets will overlap behind each of the glass brackets (E). Carefully retighten the bolts. Fit a ring wedge (D) into the bottom glass channel - 1 per sheet.

BOTTOM BACK GLASS –GROWHOUSE ONLY

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 (F). Fit a ring wedge (D) into the bottom glass channel - 1 per sheet.



A. End glass detail



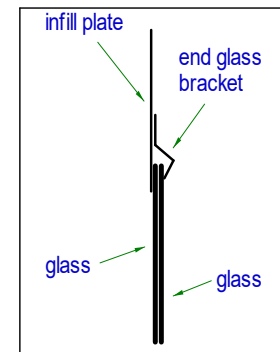
B. End stop detail
(Located in pack
SCREW-H5)



C. Fitting the glass



D. Ring wedge
(located in packs
SCREW-H5 and
SCREW-H8)



E. Top back glass overlap



F. Thimble wedge
(located in pack
SCREW-H8)

GLASS STICKS TOGETHER	This is normally due to the handles not being put on the correct side of the glass. See page 13 for details of where the handles should be fitted to the glass.
HANDLES COME OFF	<p>As the handles are of a clamp design they can be pulled off if too much force is applied to them. If the glass has stuck together due to moisture, or if the glass does not slide smoothly, this will strain the handle and cause it to come off.</p> <p>Ensure that the channels and the glass are kept clean at all times to minimise the sliding force needed. Candle wax applied to the channel and the underside of the glass will also help the sliding action. Also check that the handles have been fitted correctly. See page 13 for full instructions.</p> <p>Sometimes the soft plastic gets a layer of dirt on it that prevents it from gripping the glass. If this is the case the handle will just slide on and slide off with almost no grip. If the handle comes off easily, take the handle off and wipe the two strips of very soft plastic with a damp cloth. At the same time give the two jaws of the handle a gentle squeeze. Give the glass a clean before you replace the handle. Wipe the glass with a damp cloth to allow the handle to slide fully on, making sure the glass goes all the way up to the very end of the handle. Wait for the handle to dry off before using it. You should then find that the handle has much more grip.</p> <p>If handles come off frequently either purchase some new handles from Access or use a glue such as 'liquid nails' or 'no more nails' to permanently glue the handles to the glass.</p>
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.
GLASS FALLS OUT OF THE LOWER LEVEL	Ensure that the centre rail has the deeper channel at the bottom.

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

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.

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. The glass will merely overlap more - don't try to cut toughened glass!