Side Light Frame Pack

Assembly Instructions

Please read this complete set of assembly instructions before starting the installation and only when you understand the construction method start to follow the step by step guide.

STAINING/PAINTING OF TIMBER COMPONENTS.

Prior to assembling the components, it is important to treat the timber elements with a good quality, exterior grade paint or high-performance stain.

- Ensure that the timber is clean and perform any sanding that may be necessary prior to treatment.
- Apply at least 3 coats of the selected treatment to all faces, edges, and hardware cut-outs. Ensure that the treatment is also applied to the top and bottom edges and the end grain of the frame components.
- It is recommended that the back edges of the frame components, where they will be in contact with the brickwork, are treated with a fourth treatment coating.
- Once installed, periodically check the finishing treatment, and touch up as necessary. To ensure the long life and appearance of the Side Light Frame, re-treat the assembly every few years. Refer to the manufacturer's recommendations for frequency of treatment for specific products.

IDENTIFY THE PACK CONTENTS FROM DIAGRAM 1

The frame head and cill are supplied at 2253mm to allow for an 838mm (33") wide external door. This width can be reduced according to the side light(s) and door width.

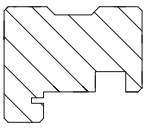
The frame mullions and jambs are cut to length to suit either a 1981mm (78") high door or a 2032mm (80") high door.

XL Side light dimensions are 1981 & 2032mm high x 584mm wide and can be reduced in height by 12mm from the top rail and 50mm from the bottom rail, (to suit a 78" or 80" high door) and 100mm overall in the width, (50mm each side max).

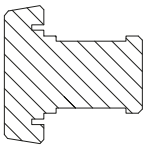
The beading is supplied over length to allow cutting to size to suit side light width.

DIAGRAM 1.

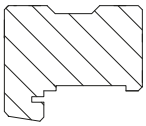
Side Light Frame Components.



Frame Head
Door Height: 78" = 57 x 68 x 2253mm QTY 1
Door Height: 80" = 57 x 68 x 2253mm QTY 1

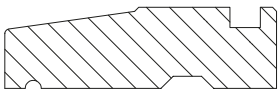


Frame Mullion
Door Height: 78" = 68 x 68 x 2004mm QTY 2
Door Height: 80" = 68 x 68 x 2055mm QTY 2

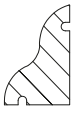


Frame Jamb
Door Height: 78" = 57 x 68 x 2004mm QTY 2
Door Height: 80" = 57 x 68 x 2055mm QTY 2

Cover Beading
Door Height: 78"/80" = 8 x 20 x 2100mm QTY4
= 8 x 20 x 700mm QTY 4



Frame Cill
Door Height: 78" = 40 x 134 x 2253mm QTY 1
Door Height: 80" = 40 x 134 x 2253mm QTY 1



Weatherbar
55 x 38 x 918mm QTY 1
55 x 38 x 600mm QTY 2

Groove Infill Strip
2 x 2253mm

Drip Bead Moulding
1 x 2253mm

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ASSEMBLING THE FRAME.

Assemble the frame as in Diagram 2 or 3 depending on which frame configuration you are building.

The internal dimensions B and C allow for approximately 2mm clearance to each side of the doors and sidelight for fitting tolerances.

External dimensions A and D also allow for a 2mm clearance to the top and bottom of the door and side lights.

Prior to assembling the frame, measure the brickwork opening width and height that the frame will be fixed into. Reduce these measurements by 10mm to determine the actual frame size required. Determine the difference in width between Dimension A and the actual width you require. The difference should be divided equally between each side of the side light (s) up to a maximum of 50mm per side, (Example 1). Up to an extra 10mm can also be removed from each side of the door if necessary.

To reduce the side lights to the relevant width either plane or saw off the excess ensuring you leave a smooth straight finish.

Loosely assemble the frame face down with the side light(s) and door resting within the frame component rebates. If using only one side light ensure that it is positioned to the correct side of the door. Push the stub tenons of the vertical components fully into the grooves within the frame sill and head sections as shown in Diagram 4, Section 2. Ensure that you leave a 2mm gap between the top, bottom and sides of the door/ side light (s) and the frame components. Double check that the external frame dimensions are 10mm less than the brickwork opening dimensions you measured previously.

Mark all the drill hole positions onto the sill and head in pencil, then drill and countersink the frame screw fixing holes. Use a waterproof adhesive on all the joints and screw the head and sill to the jambs and mullions using No.10 x 100mm countersunk screws through drilled holes. The frame must be assembled perfectly square and remain square throughout the rest of the installation. Check the frame diagonals, and only when these measure the same can you be sure the frame is square. Remove the door and side light(s) and allow the adhesive to set. If necessary cut off the sill and head at one end, to be flush with the frame jambs.

INTERNAL FRAME DIMENSIONS
Diagram 2 or 3 - see page 3
Dimension B = 588mm when using XL Joinery Universal Sidelight.
This dimension can be reduced by 100mm per sidelight, (50mm each side)

Dimension C = 766mm when using a single 30” wide door
Dimension C = 817mm when using a single 32” wide door
Dimension C = 842mm when using a single 33” wide door

EXTERNAL FRAME DIMENSION

Diagram 2 (2no Sidelights) - see page 3		**Diagram 3 (1no Sidelight) - see page 3**
Dimension A = 2102mm when using a single 30” wide door	-	1476mm when using a single 30” wide door
Dimension A = 2153mm when using a single 32” wide door	-	1527mm when using a single 32” wide door
Dimension A = 2178mm when using a single 33” wide door	-	1552mm when using a single 33” wide door

Dimension D = 2067mm when using a single 78” high door
Dimension D = 2118mm when using a single 80” high door

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DIAGRAM 2.

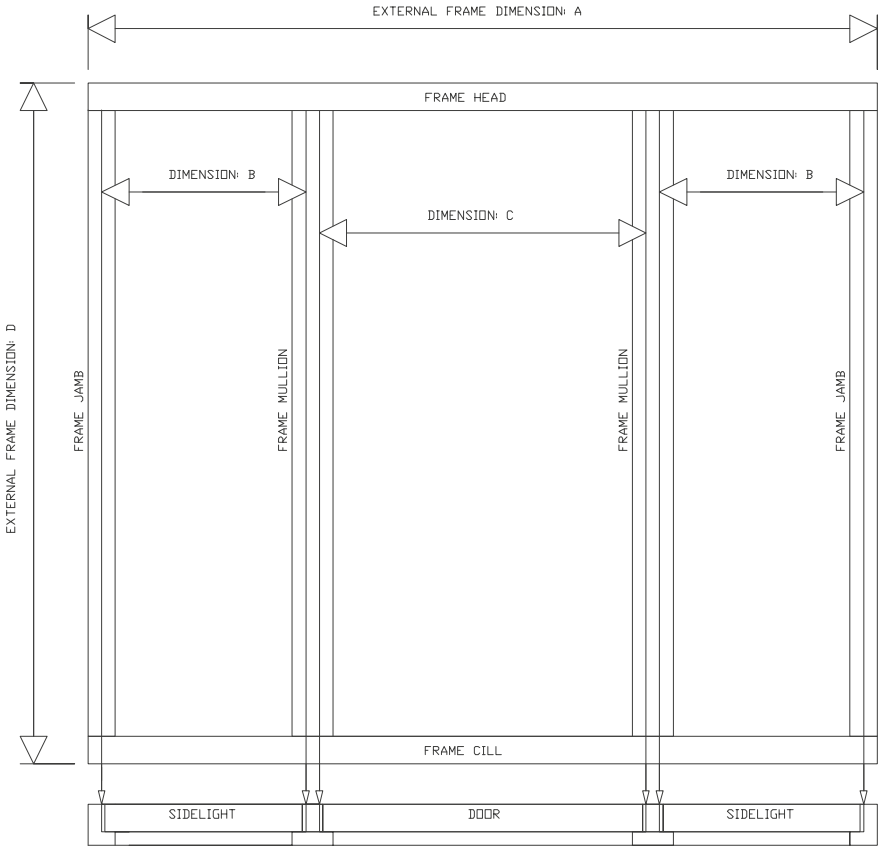
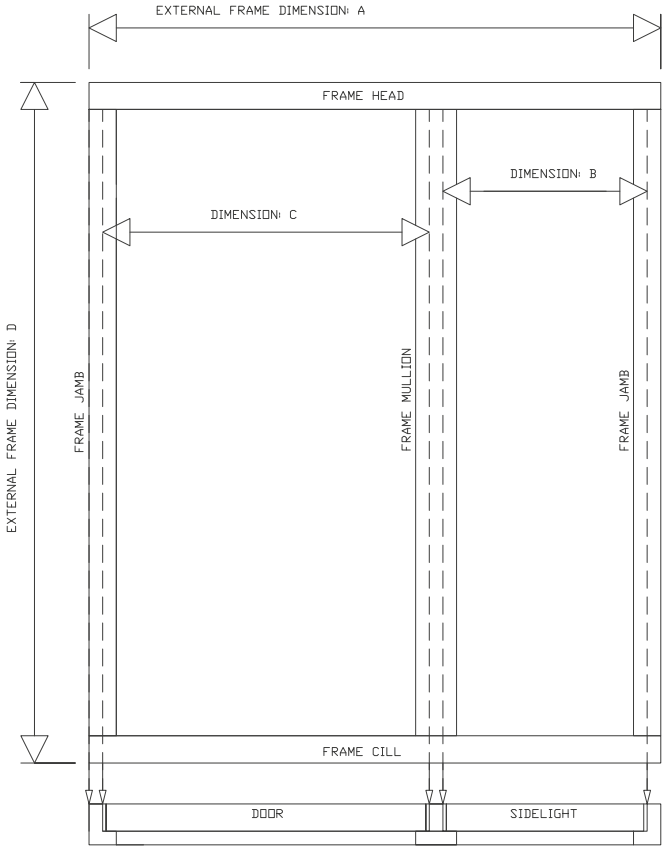


DIAGRAM 3.



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Assembly Instructions

FITTING THE FRAME

Offer the assembled frame into the brickwork opening. Check that the sill is level. Also check that the jambs are vertical from side to side and from back to front, (Diagram 5). Use a plumb bob and line to check that the inside face of the head is vertically aligned with the inside face of the sill at both ends.

Use wooden / plastic wedges above the jambs and as close to the jambs as possible to hold the frame in the correct position, (Diagram 5).

It is important to ensure that the frame is positioned and fitted in accordance with all the horizontal and vertical frame checks. Slip wooden / plastic packing into the gap between the frame and the wall ready

to take the permanent fixings. Take care not to bend the jambs in the process.

Secure the frame to the brick opening using a suitable size of frame fixer. 8mm x 120mm frame fixers are suitable in most cases.

Drill and countersink a minimum of five 8mm diameter holes into each of the jambs, a maximum of 150mm from the top and bottom corners and equally spaced.

When tightening the screws use wooden / plastic packing to prevent the frame from distorting. Ensure that the screw heads are below the timber surface.

Seal between the brickwork and frame with a suitable mastic or silicone sealant internally and externally.

EXAMPLE 1

Brickwork opening = 2148mm wide x 2077mm high.

Actual frame width required = 2138mm (2148mm - 10mm clearance).

Actual frame height required = 2067mm (2077mm - 10mm clearance).

Difference between 'Dimension A' (see page 1) and 'Actual frame width required' = 40mm (2178mm – 2138mm).

Difference to remove from each edge of sidelights = 10mm (40mm divided by 4 edges).

Therefore each side light will need to be reduced to 568mm wide (588mm – 10mm each side).

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DIAGRAM 4.

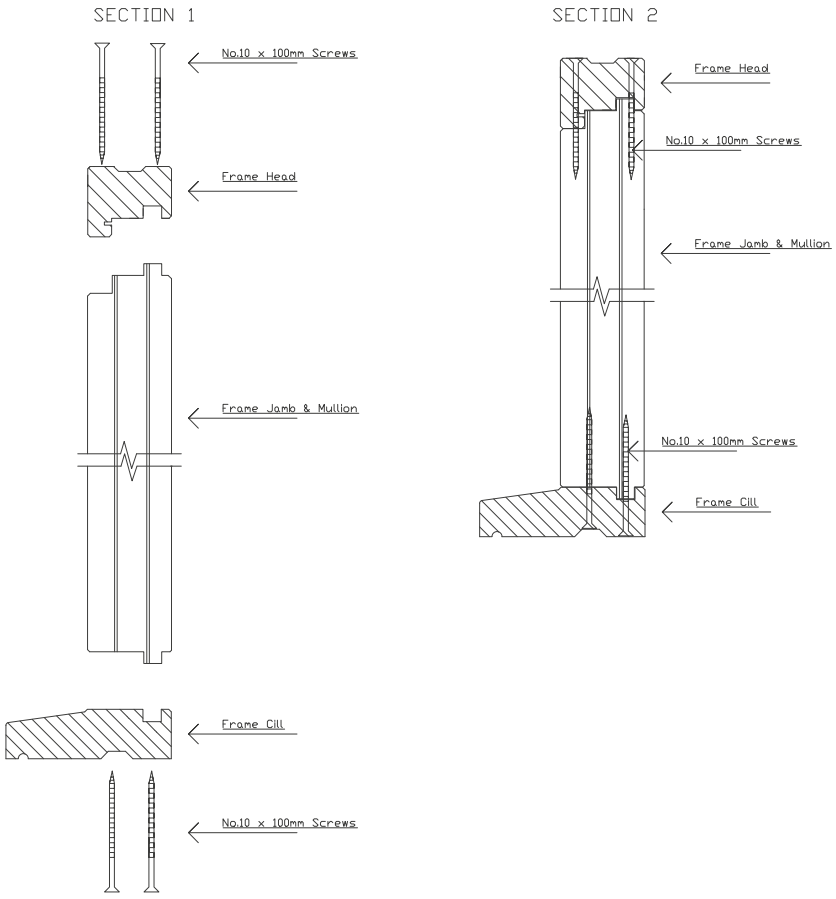
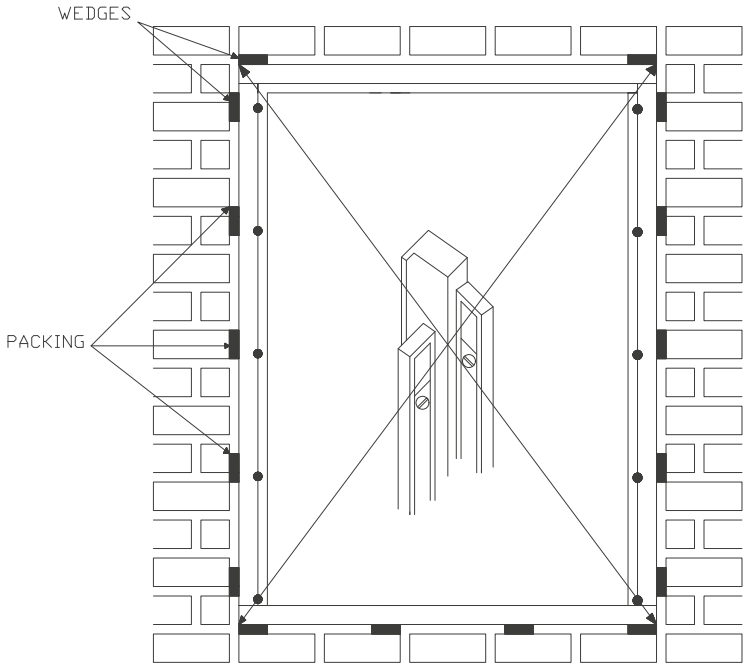


DIAGRAM 5.



USE A SPIRIT LEVEL ON THE FACE OF THE JAMB AND SILL TO CHECK FOR PLUMB

● INDICATES FRAME FIXING POINTS

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FITTING THE SIDE LIGHTS

Using a 4mm bit, drill 5 holes through each of the panel verticals at the angle and positions shown in Diagram 6.

Run a generous amount of silicone around the rebate in the panel opening. Insert the side light into the frame from the inside, ensuring it is the correct way up and the correct way around. With the panel sitting on the sill, push the panel hard up against the frame rebate. Secure the panel in place using 50mm countersunk screws through the drilled holes, (Diagram 6, Section 3). The drill holes will be covered by fixing the beads centrally over the joint between the frame components and the side lights. These beads should be mitred at 45 Degrees and the width and height is dictated by the size of the side light opening.

Fit the vertical and horizontal internal beads around the perimeter of the side light using woodworking adhesive and 20mm panel pins, (Diagram 6, Section 3).

Repeat this procedure for fitting the other side light if required.

The frame head drip bead will require cutting to match the outside edges of the frame. Glue and pin the drip bead using 30mm panel pins (not supplied).

The groove infill stripes will need to be cut on site to match any gaps in the frame head and sill, these will need to be glued and pinned in place.

DIAGRAM 6.