

Internal tri fold door room divider assembly instructions.

Please read this complete set of instructions before starting the installation to familiarise yourself with the various stages.

IMPORTANT INFORMATION.

You have chosen a quality product, therefore to keep that quality look of timber please follow these helpful tips.

Storage of the tri fold doors and lining.

The doors and lining should be handled carefully to avoid physical damages and to keep them clean. When a door or lining is protected by shrink wrapping or other packaging this should be kept in place as long as possible.

The doors and lining must be stored under cover in a dry ventilated building. Precautions are recommended to ensure the doors and lining are not subject to extremes of heat, dryness or humidity changes or sudden changes of temperature or humidity.

The doors and lining should be stored flat on a level surface and kept clear of the floor.

Natural finish doors should be stored so they are not partly exposed to daylight and opaque wrappings must not be torn.

Exposure to ultra violet light can cause fading or discolouration of timber and veneers.

Should you be fitting your doors in a newly plastered or cemented room, it is essential to wait until the walls / floors / ceilings are completely dry.

Excessive moisture loss / penetration can result in a breakdown of the joints.

Avoid fitting locks at the rail joints as this could cause weakness in the joint.

Finishing the lining and doors.

To ensure the stability of your doors and lining is maintained it is essential to finish the lining and doors correctly by applying paint or stain to all faces of the lining and doors before fitting and hanging, in particular the unseen faces of the lining and the tops and bottoms of the doors.

Ideally this should take place immediately the product is unwrapped.

APPLY A MINIMUM OF 3 TOPCOATS OF YOUR CHOSEN PAINT OR STAIN.

Always follow the manufacturer's recommendations, making sure your lining and doors are correctly primed and undercoated where necessary.

Only use freshly purchased paint or stain.

The more coats of paint or stain applied the better the protection. Do not forget to treat all hinge and lock cut outs.

Timber grows naturally and reacts to variations in humidity and temperature. We try to ensure that the timber used to produce our doors and linings has been fully prepared for its purpose.

You will understand that we cannot know all the circumstances in which our products are stored and installed. For this reason, we regret, we are unable to give any guarantee against shrinkage, warping or splitting. This does not affect your statutory rights.

Please read this complete set of instructions before starting the installation to familiarise yourself with the various stages.

Assembling the lining.

To confirm the external width of the frame you are constructing, measure one of your door widths.

A 579mm door width = 1825mm external frame width

A 610mm door width = 1918mm external frame width

A 686mm door width = 2146mm external frame width

A 762mm door width = 2374mm external frame width

Cut the lining head and saddle to the correct dimension for the size of frame you are constructing, using the tables in diagram 1.

If the lining head has been cut, pre drill and countersink the cut end of the lining head as in diagram 1.

Assemble the lining as in diagram 1. **It is important to achieve the correct external and internal lining dimensions.**

Fitting the lining.

The assembled lining should be moved into the opening. Check that you have the lining the way round you want it, refer to page 4 for reference, and that the lining is positioned within the opening with front face of the lining being flush with the finished wall surface, diagram 2. The lining must be checked for squareness by measuring the diagonals, which must be equal, and that the lining is vertical from side to side and back to front. Check that the lining saddle is level.

Check that the head is horizontal and that the internal height dimension is correct as in diagram 1.

Secure the lining in place ensuring it remains vertical and square, packing between the lining and opening as necessary.

Pre drill and countersink the lining head, jambs and saddle fixing holes in the positions shown in diagram 2.

Recheck the internal height and width dimensions of the lining.

Cut the bottom track and top channel, (if required), to the correct length as in diagram 2.

Screw fit the bottom track into the saddle on the side that the doors are going to fold to, butting one end up to the frame jamb.

Drill and countersink 4 holes into the top channel, 50mm from each end and equally spaced. Secure the top channel to the lining head on the side that the doors are going to fold to. The screw heads must be below the surface of the channel.

Screw the hinged jamb infill to the lining jamb through the pre drilled holes as shown in diagram 3.

Fit the door hinges into the cutouts in the hinged door. Screw fit all 6 hinges. Diagram 4.

Whilst supporting the hinged door, locate the hinge plates into the cutouts in the hinge jamb infill and screw fit all 3 hinge plates into position. Ensure the door swings correctly into the lining. Diagram 5.

Screw fit the top roller guide, bottom roller block and center door hinge into the cutouts in the center door. Diagram 6.

Lift the center door into the lining and at a slight angle locate the top roller guide into the top channel in the head and locate the bottom roller block onto the track. Diagram 7. Whilst supporting the door locate the door hinge plates attached to the hinged door into the cutouts on the center door and screw fit all 3 door hinge plates into position. Diagram 8.

Whilst supporting the opening door, locate the hinge plates attached to the center door into the cutouts in the opening door and screw fit all 3 hinge plates into position. Diagram 9.

Check that the doors fold correctly. If the doors hit the lining head or saddle, re check that the lining is square and the internal lining dimension is correct. Make any necessary adjustments.

With all the doors in the closed position, measure the gap between the opening door and the lining jamb, diagram 10.

Deduct 20mm from this dimension. The dimension you are left with is the thickness of the packer/s that is going to be used to pack the opening jamb infill off from the lining jamb. The packers are, white = 1mm. red = 2mm. black = 3mm.

Screw the opening jamb infill to the lining jamb through the pre drilled holes, as shown in diagram 10, using the correct packer/s at each screw fixing.

Holding the hinged and center door in the closed position, ensure that the opening door opens and closes correctly with a 2mm gap between the door and the lining infill. Make any adjustments with the infill packers to achieve this dimension.

Cut the head lining infill to the correct length, diagram 11. Measure the distance from the head lining to the finished face of the wall, as shown in diagram 11. Mark this dimension onto the lining infills, less 2mm. Cut all 3 lining infills to the correct width. Pre drill and countersink the fixing holes in the lining infills, in the position shown in diagram 11 and 12.

Starting with the head, screw fit and glue the lining infills into position, ensuring the face of the infill is flush with the finished wall surface. Diagram 11 and 12.

Cut the head lining bead to the correct length using the dimensions given in diagram 13, and glue and pin in position as shown.

Glue and pin the jamb lining cover beads to the lining jambs as shown in diagram 14.

Measure in between the two lining infills at the head as in diagram 13, and cut the head door stop to this length.

Glue and pin the head door stop to the lining head.

Cut the head and saddle infill timbers to length. Glue and pin the head and saddle infill timbers in place, as in diagram 15.

Fit the surface mounted shoot bolts to the bottom and top of the hinged door on the side that is shown in diagram 16.

Fit the shoot bolt keeps to the lining head and saddle as shown in diagram 17

Fit the self adhesive E strip down both edges of the center door in the position shown in diagram 16.

Cut the housing for the tubular latch and fit into the opening door. Drill the hole for the handle spindle and fit the required door handle. Fit the latch plate onto the opening jamb infill. Diagram 17.

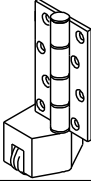
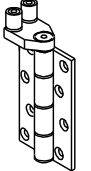
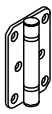
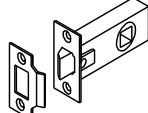
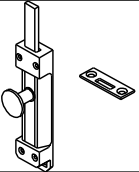




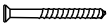





Cut and fit the lining architrave as required, positioning as in diagram 18.

INTERNAL TRIFOLD ROOM DIVIDER.

NOTE: The illustrated hardware and screws in the parts list are not shown at actual size, if unsure of which screw is which, measure the length of each screw.




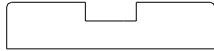

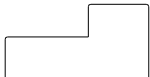
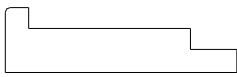
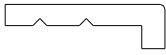




NOTE: Wall fixing screws and plugs are not supplied, only use suitable fixings depending on your wall construction. If in doubt consult an expert.

Part No.	Hardware	Description	Quantity supplied			
1		Bottom roller block (Supplied with screws)	1			
2		Top roller guide (Supplied with screws)	1			
3		Door hinges (Supplied with screws)	7			
4		Tubular latch & keep (Supplied with screws)	1			
5		Shoot bolts & keeps (Supplied with screws)	2			
6		1mm White Spacer 2mm Red Spacer 3mm Black Spacer	4 8 4			
7		Bottom track. Supplied length 1577mm. Will require cutting for 2146mm, 1918mm and 1825mm frame widths	1			
8		E strip	4m			
9		Top channel. Supplied length 1566mm. Will require cutting for 2146mm, 1918mm and 1825mm frame widths	1			
Part No.	Fixings	Screw size	Colour	Pilot hole drill size Ø	Useage	Quantity supplied
10		No.8 x 50mm screw	Zink plated	2.5mm Ø	Frame assembly	Qty = 8
11		No.8 x 35mm screw	Zink plated	2.5mm Ø	Jamb infill fixing	Qty = 7
12		No.8 x 16mm screw	Zink plated	2.5mm Ø	Frame lining infill fixing	Qty = 16
13		No.4 x 12mm screw	Zink plated	1.5mm Ø	Track & top channel fixing	Qty = 10
14		30mm panel pins			Head door stop fixing	Qty = 6
15		20mm panel pins			Infill bead fixing	Qty = 20

Tools required. Screw driver. Hammer. Spirit level. Chisel. Tape measure. Drill. Hack saw. Wood saw. 1mm, 2mm, 3mm, 4mm, 5mm drill bits.

Additional items required. Door handles. Frame/wall fixings. Woodworking adhesive

INTERNAL TRIFOLD ROOM DIVIDER.

Part No.	Frame timber section views	Description	Size. Length	Quantity supplied
20		Lining head	Supplied length 2374mm. Will require cutting for 2146mm, 1918mm & 1825mm frame widths	1
21		Lining saddle	Supplied length 2336mm. Will require cutting for 2146mm, 1918mm & 1825mm frame widths	1
22		Hinged jamb infill	Supplied length 1986mm	1
23		Opening jamb infill	Supplied length 1986mm	1
24		Lining jamb	Supplied length 2007mm	2
25		Jamb lining infill Head lining infill	Supplied length 2016mm Supplied length 2374mm Will require cutting for 2146mm, 1918mm & 1825mm frame widths	2 1
26		Jamb lining bead Head lining bead	Supplied length 1986mm Supplied length 2335mm Will require cutting for 2146mm, 1918mm & 1825mm frame widths	2 1
27		Head door stop	Supplied length 2272mm Will require cutting for 2146mm, 1918mm & 1825mm frame widths	1
28		Head infill	Supplied length 755mm Will require cutting for 2146mm, 1918mm & 1825mm frame widths	1
29		Saddle infill	Supplied length 755mm Will require cutting for 2146mm, 1918mm & 1825mm frame widths	1

Useful hints and tips

Take care when unpacking your doors and frame so as not to damage any of the timbers. Check that all parts are free from marks or scratches.

Pilot hole drilling. All screw fixings require a pilot hole to be drilled. Refer to the screw check list for the correct diameter drill bit. Use the item to be fitted as a template for marking the pilot holes.

Glue. Recommend the use of a strong waterproof PVA wood glue. Wipe away any excess with a clean damp cloth.

Levelling and plumbing. It is important that you check the level and plumb when installing the frame.

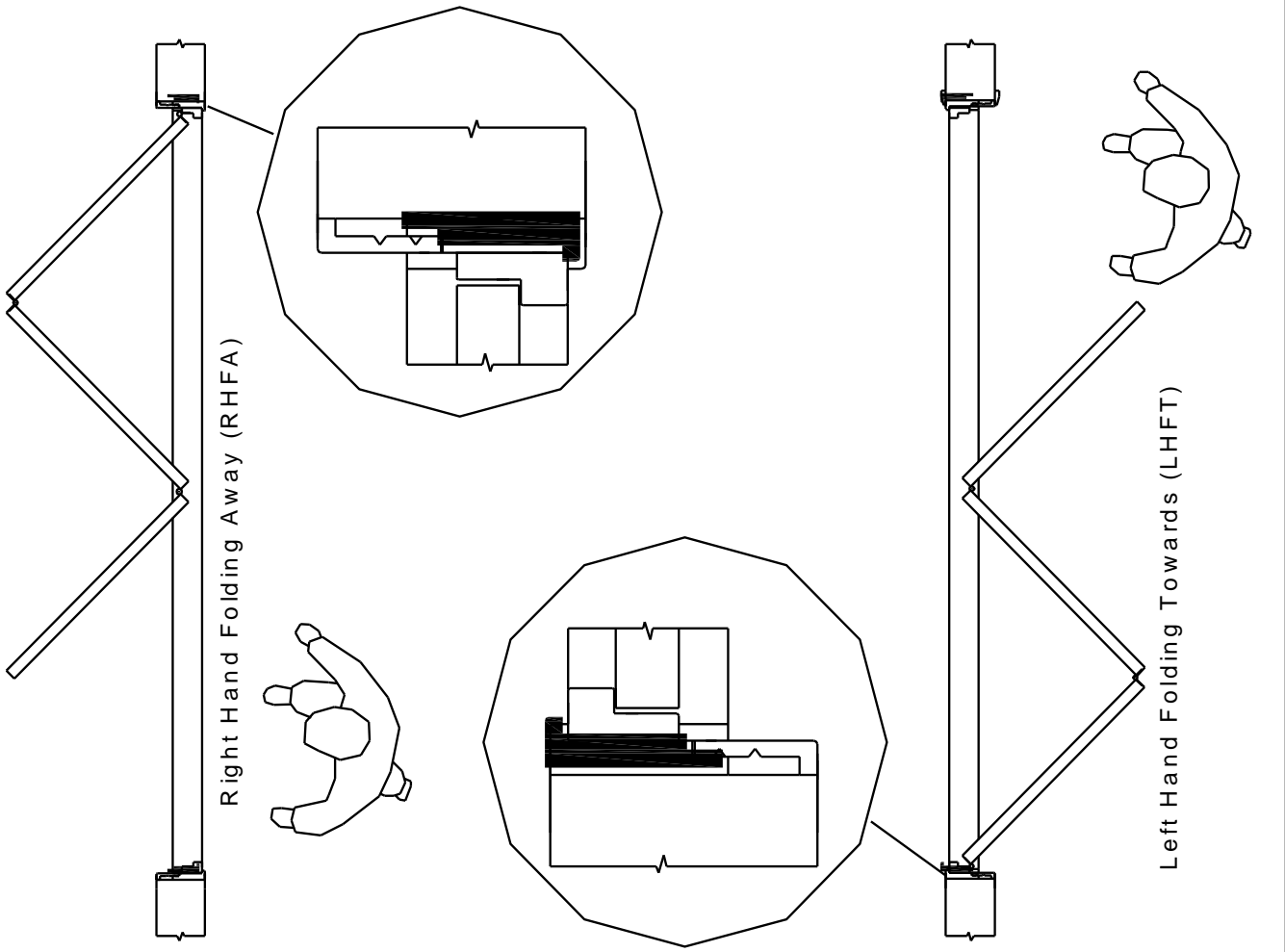
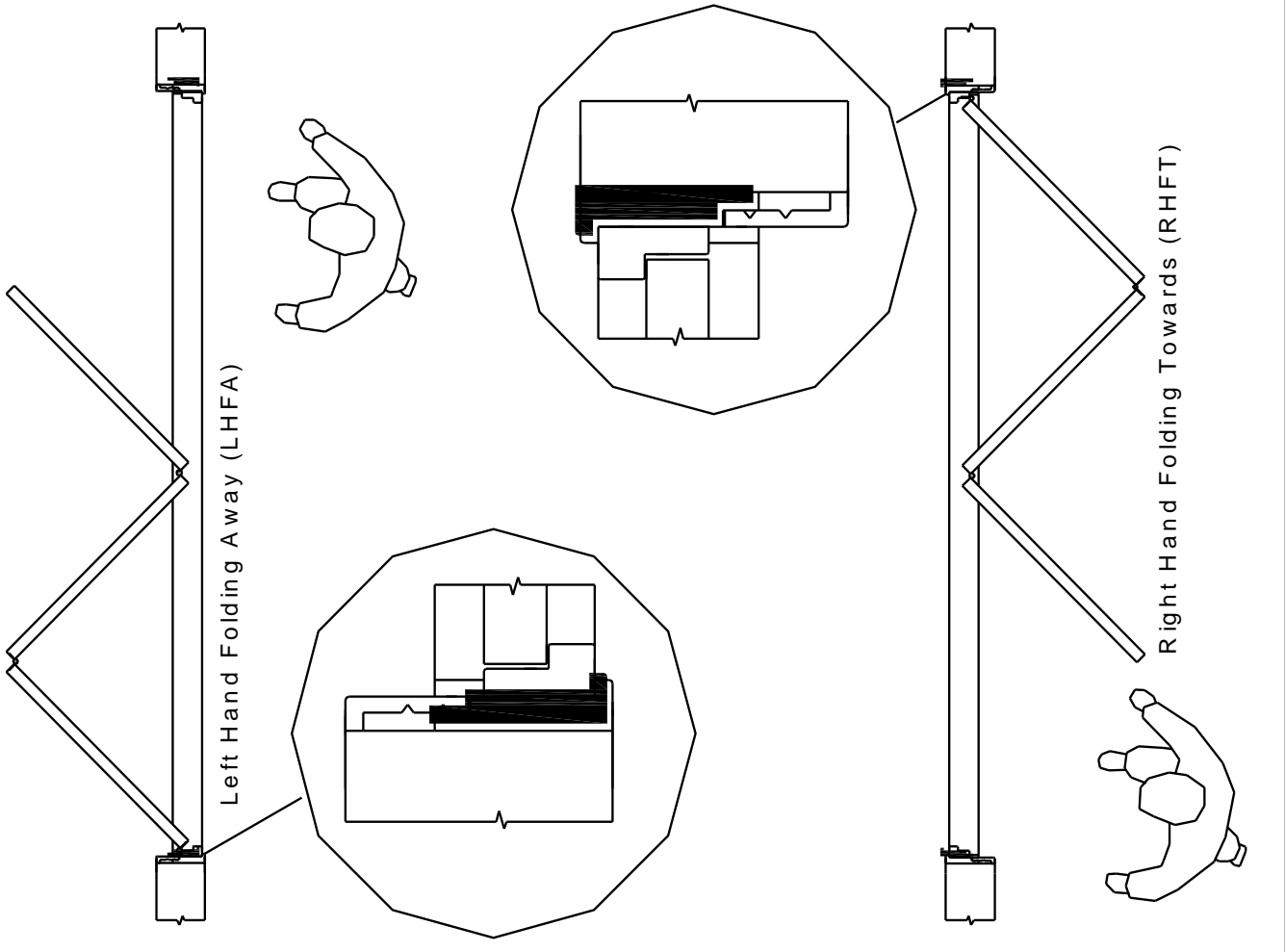
At certain stages of the installation 2 people will be required.

All dimensions given in these installation instructions are in MM.

Finishing the doors and frame

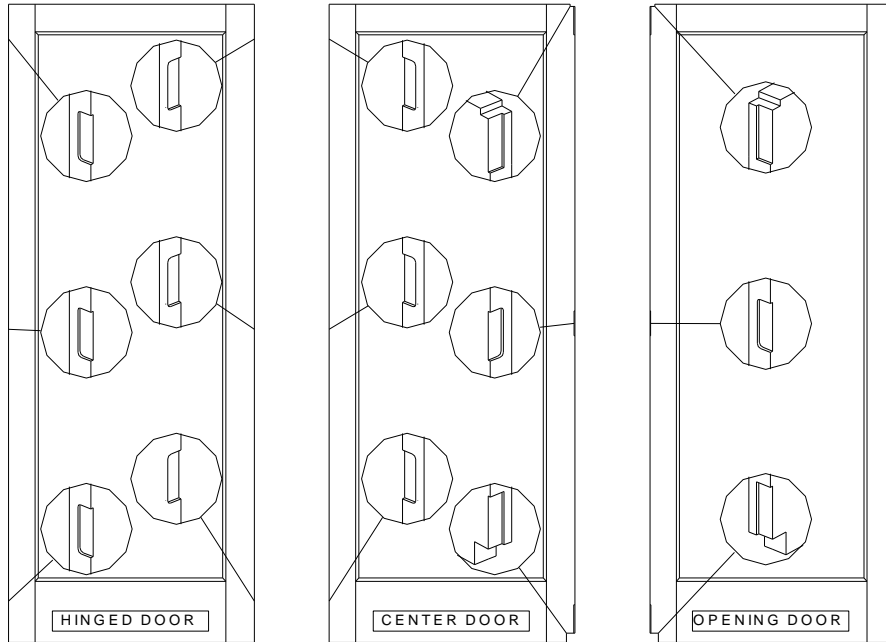
To ensure the stability of your doors is maintained it is essential to apply a minimum of 3 coats of paint or stain to all faces of the doors before hanging, in particular the tops and bottoms of the doors.

The frame should also be given the same treatment.



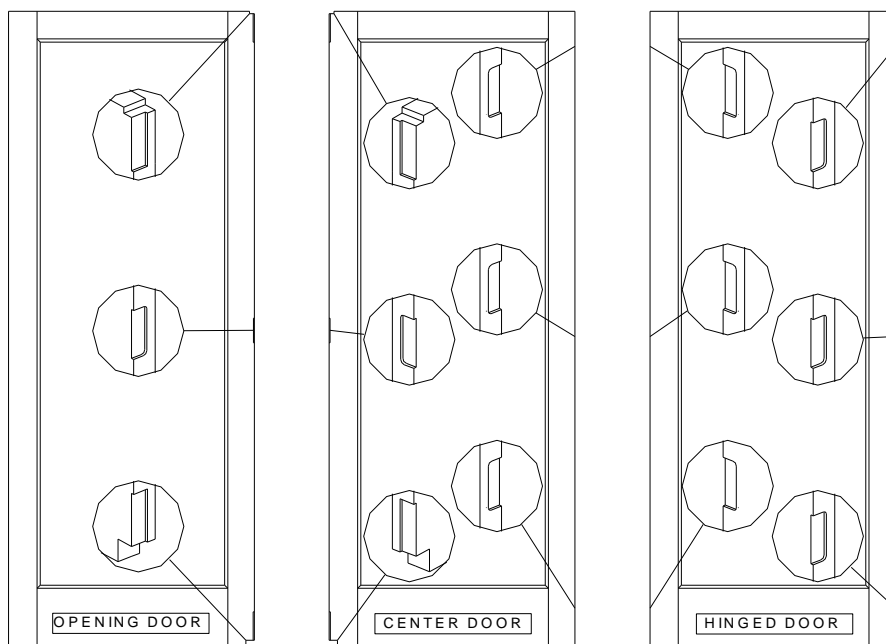
The doors have been machined for all of the hinge, roller block and top guide cutouts. Stand the doors side by side in their correct order and facing the correct way around, as they will be installed into the frame.

The installation instruction diagrams on pages 6 to 10 are drawn for a Left Hand Folding Towards installation.



Left Hand Folding Towards (LHFT)
Right Hand Folding Away (RHFA)

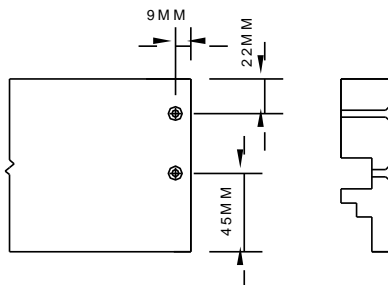
The doors as viewed from this side are hung in the frame as Left Hand Folding Towards
 The doors as viewed from the other side are hung in the frame as Right Hand Folding Away



Right Hand Folding Towards (RHFT)
Left Hand Folding Away (LHFA)

The doors as viewed from this side are hung in the frame as Right Hand Folding Towards
 The doors as viewed from the other side are hung in the frame as Left Hand Folding Away

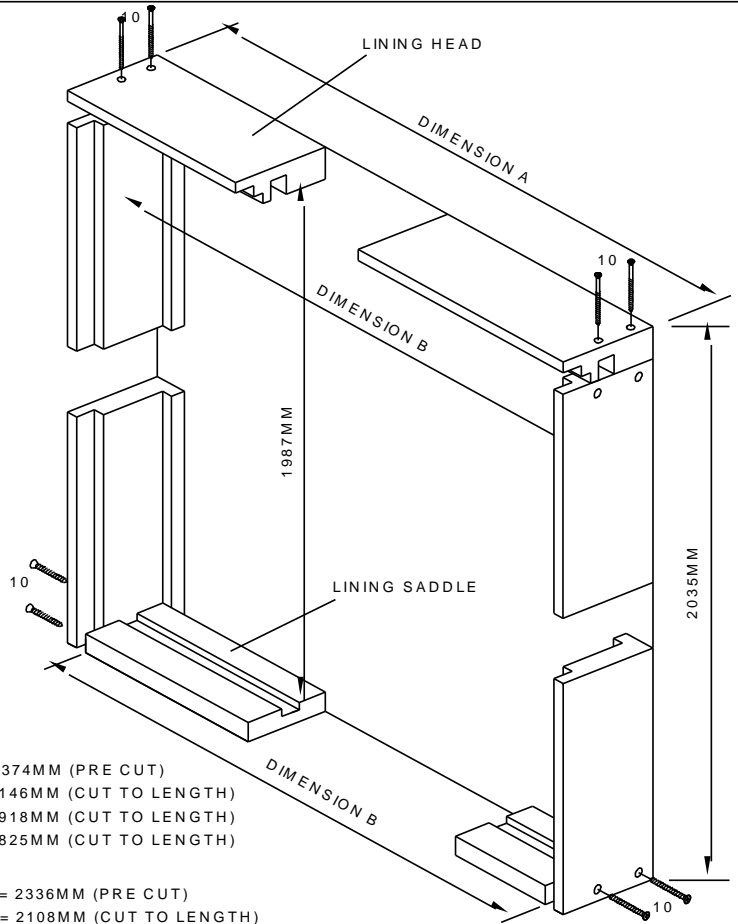
DIAGRAM 1



CUT THE HEAD AND THE SADDLE TO THE CORRECT LENGTH.
PRE DRILL AND COUNTERSINK THE CUT END OF THE HEAD AS SHOWN.

GLUE AND SCREW THE LINING TOGETHER

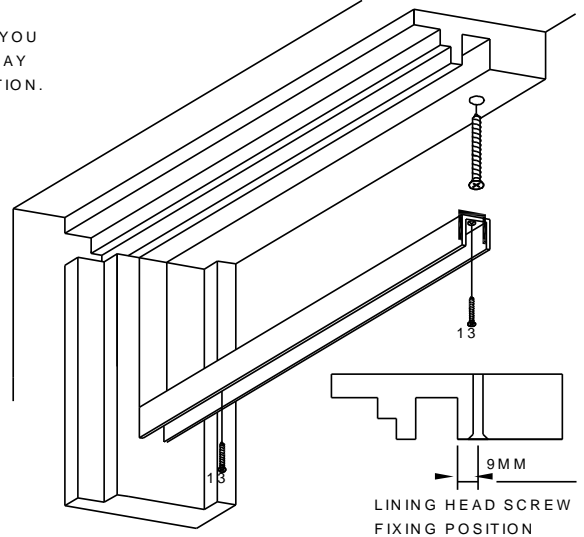
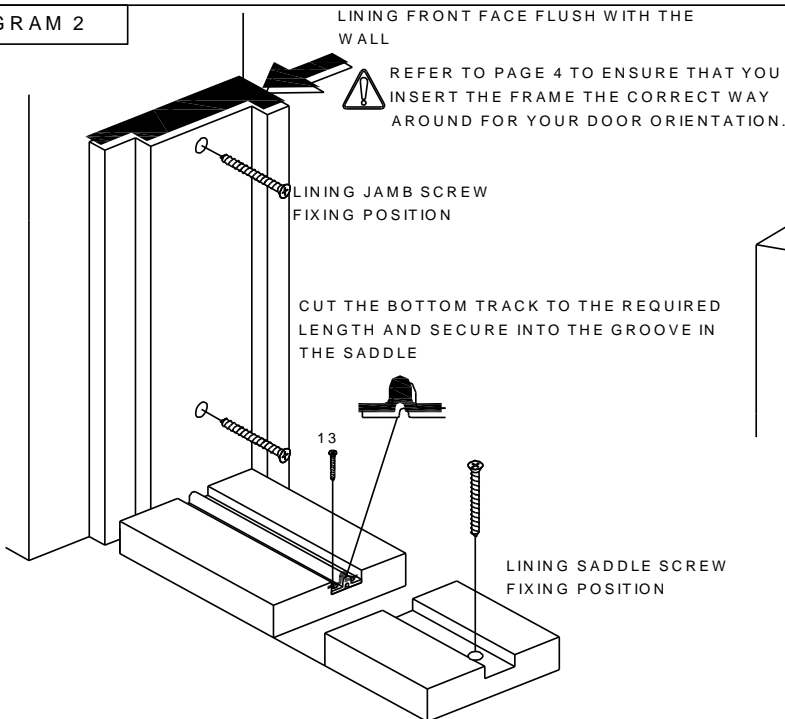
DIMENSION B IS THE LINING SADDLE LENGTH AND ALSO THE INTERNAL LINING DIMENSION.
CHECK THAT DIMENSION B IS CORRECT AT THE TOP OF THE FRAME.



- 20 **DIMENSION A. LINING HEAD.**
EXTERNAL FRAME WIDTH 2374MM. LINING HEAD = 2374MM (PRE CUT)
EXTERNAL FRAME WIDTH 2146MM. LINING HEAD = 2146MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1918MM. LINING HEAD = 1918MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1825MM. LINING HEAD = 1825MM (CUT TO LENGTH)
- 21 **DIMENSION B. LINING SADDLE.**
EXTERNAL FRAME WIDTH 2374MM. LINING SADDLE = 2336MM (PRE CUT)
EXTERNAL FRAME WIDTH 2146MM. LINING SADDLE = 2108MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1918MM. LINING SADDLE = 1880MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1825MM. LINING SADDLE = 1787MM (CUT TO LENGTH)

- 10 x 8

DIAGRAM 2



CUT THE TOP CHANNEL TO THE REQUIRED LENGTH AND SECURE INTO THE GROOVE IN THE LINING HEAD. ONE END OF THE TRACK MUST BE IN LINE WITH THE INSIDE JAMB LINING FACE AS SHOWN BY THE DOTTED LINES

- 9 EXTERNAL FRAME WIDTH 2374MM. TOP CHANNEL = 1566MM (PRE CUT)
EXTERNAL FRAME WIDTH 2146MM. TOP CHANNEL = 1414MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1918MM. TOP CHANNEL = 1262MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1825MM. TOP CHANNEL = 1200MM (CUT TO LENGTH)

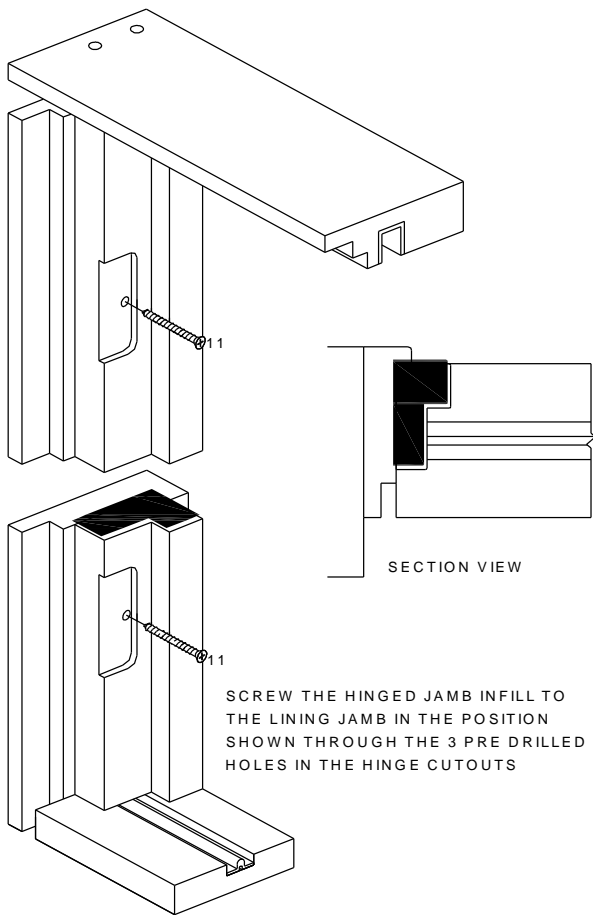
- 7 EXTERNAL FRAME WIDTH 2374MM. BOTTOM TRACK = 1577MM (PRE CUT)
EXTERNAL FRAME WIDTH 2146MM. BOTTOM TRACK = 1425MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1918MM. BOTTOM TRACK = 1273MM (CUT TO LENGTH)
EXTERNAL FRAME WIDTH 1825MM. BOTTOM TRACK = 1211MM (CUT TO LENGTH)

- 13 x 8

LINING TO WALL FIXINGS NOT SUPPLIED. MINIMUM REQUIRED, 4 PER JAMB LINING, 4 IN THE HEAD, 3 IN THE SADDLE.

THE LINING MUST BE SECURED IN THE OPENING PERFECTLY SQUARE AND LEVEL.

DIAGRAM 3




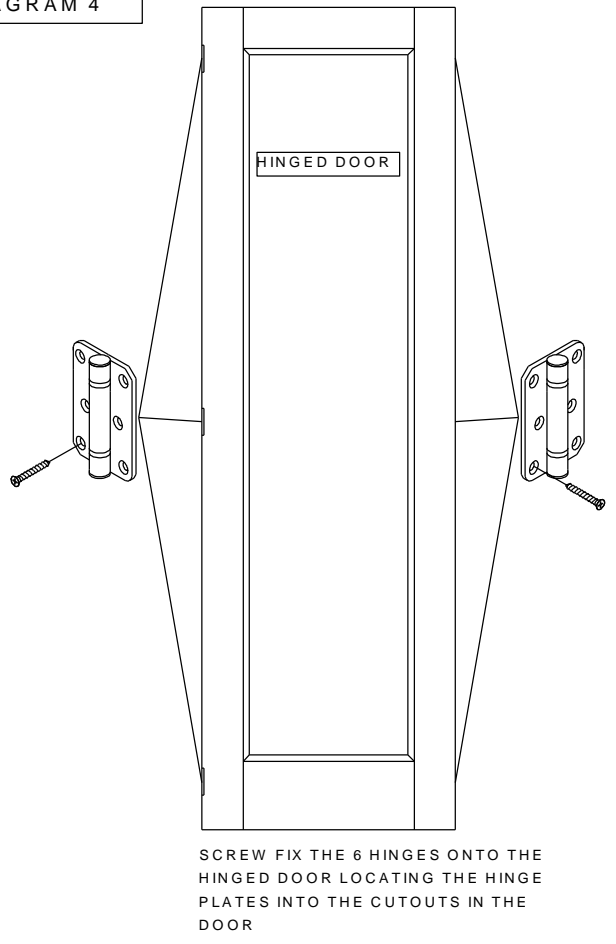
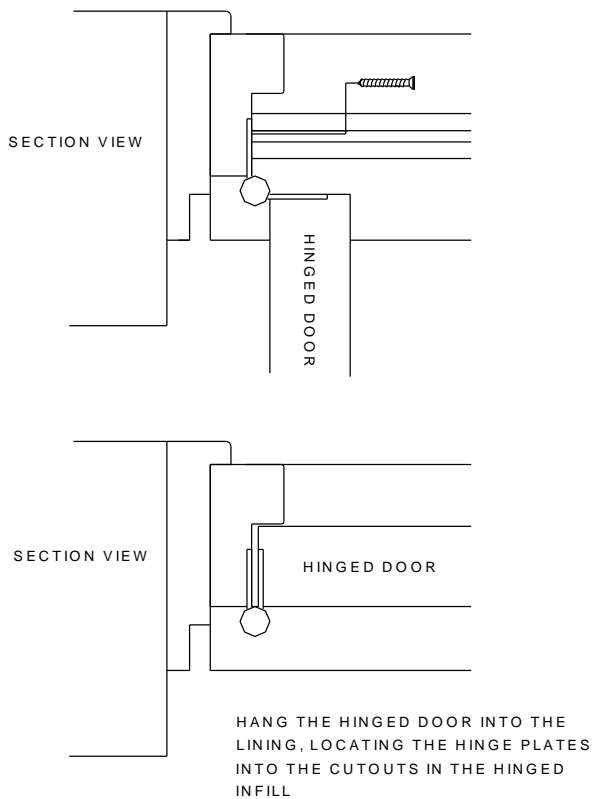
11  x 3

DIAGRAM 4



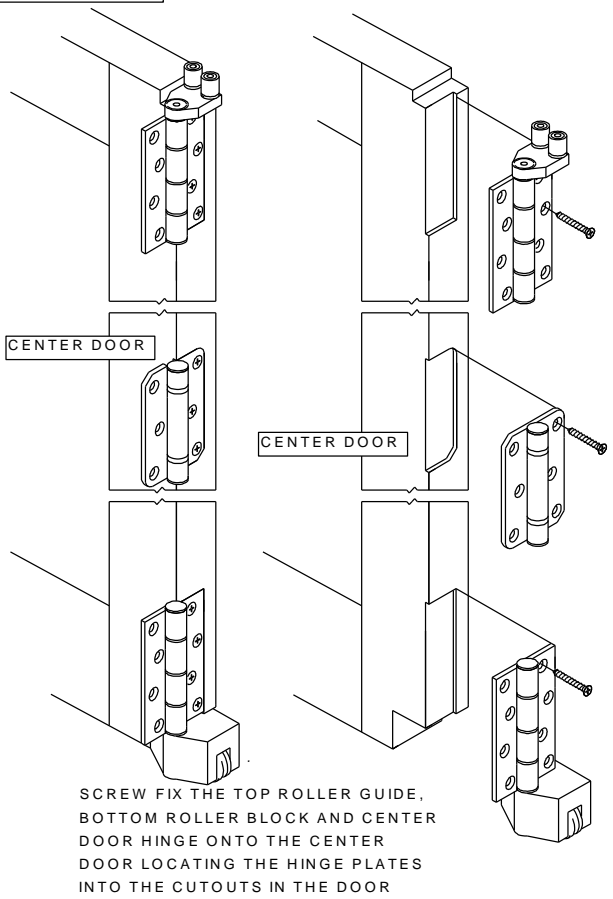
 SCREWS SUPPLIED WITH HINGES

DIAGRAM 5



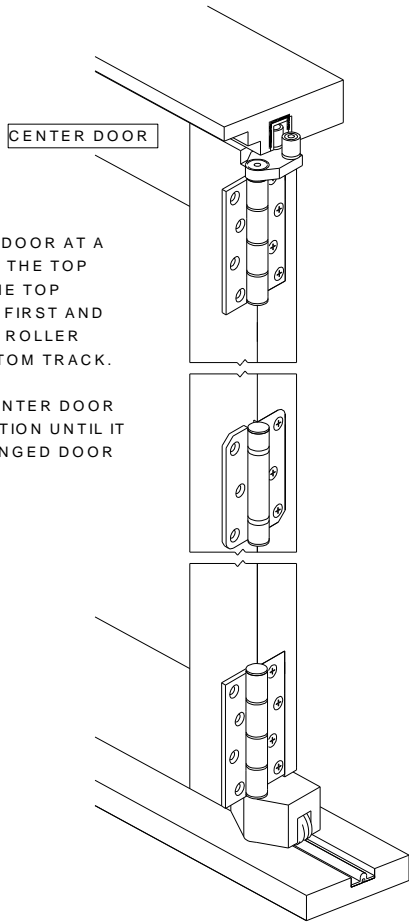
 SCREWS SUPPLIED WITH HINGES

DIAGRAM 6



 SCREWS SUPPLIED WITH HINGES

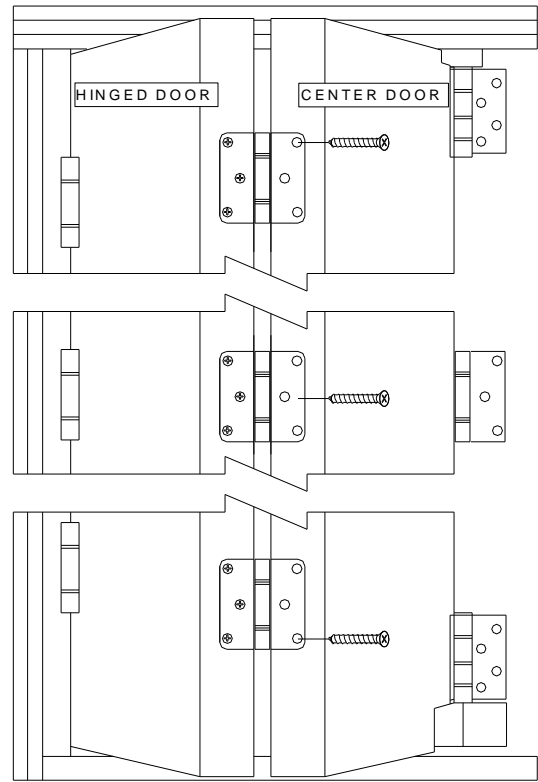
DIAGRAM 7



HOLDING THE CENTER DOOR AT A SLIGHT ANGLE, INSERT THE TOP ROLLER GUIDE INTO THE TOP CHANNEL IN THE HEAD FIRST AND THEN SIT THE BOTTOM ROLLER BLOCK ONTO THE BOTTOM TRACK.

AT THIS STAGE THE CENTER DOOR MUST BE HELD IN POSITION UNTIL IT IS SECURED TO THE HINGED DOOR

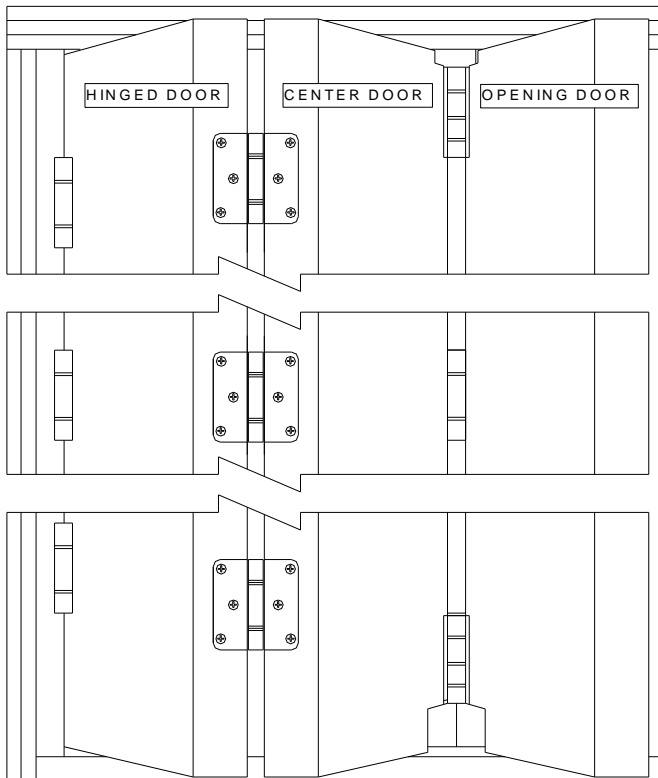
DIAGRAM 8



LOCATE THE HINGE PLATES INTO THE CUTOUTS IN THE CENTER DOOR AND SECURE IN PLACE

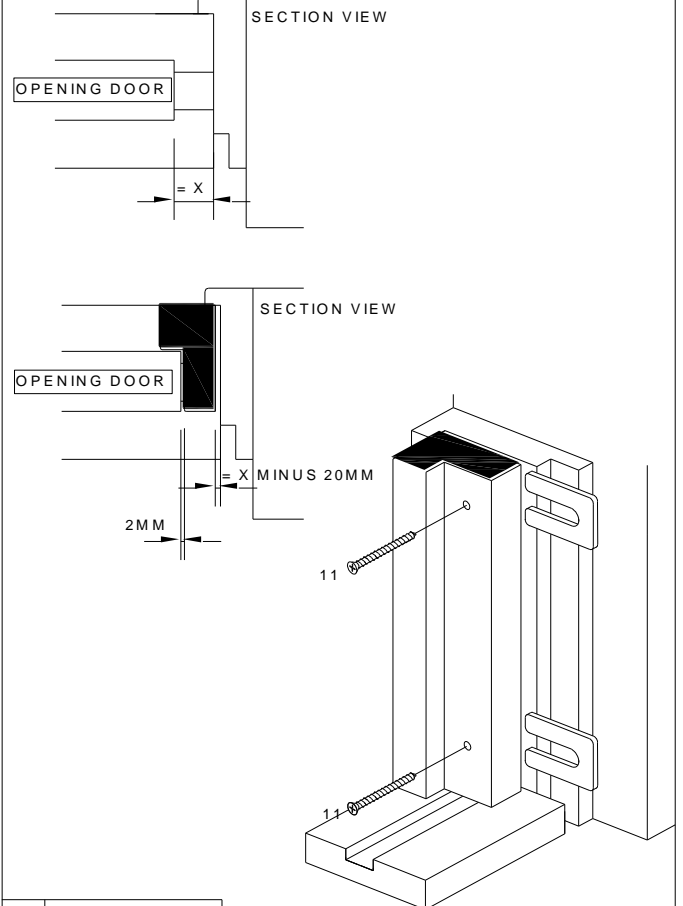
 SCREWS SUPPLIED WITH HINGES

DIAGRAM 9



LOCATE THE HINGE PLATES INTO THE CUTOUTS IN THE OPENING DOOR AND SECURE IN PLACE

DIAGRAM 10




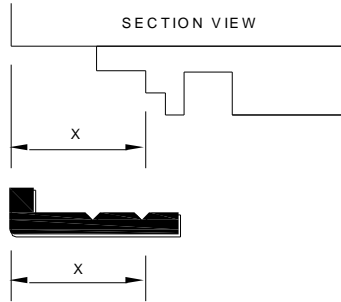
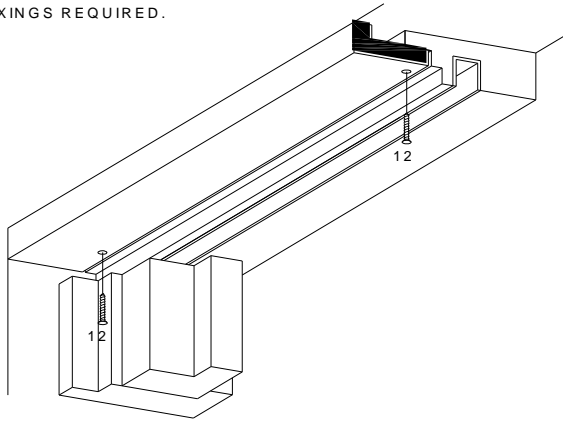
11  x 4

DIAGRAM 11

CUT THE HEAD LINING INFILL TO THE SAME LENGTH AS THE EXTERNAL FRAME WIDTH



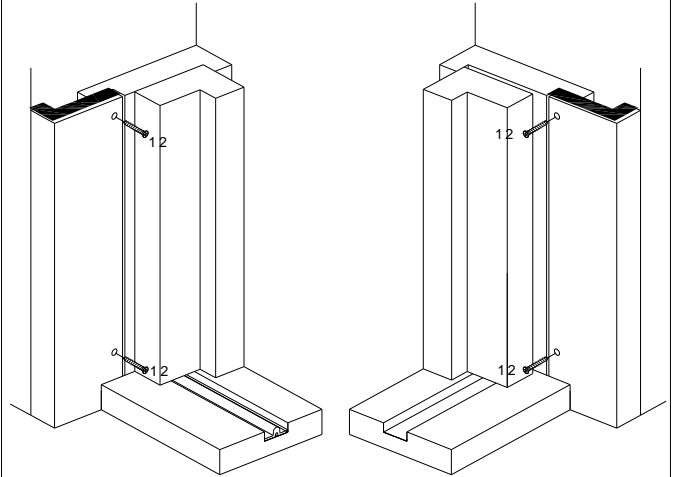
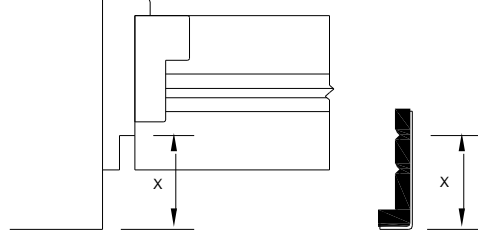
MEASURE FROM THE FINISHED FACE OF THE WALL TO THE HEAD LINING AS SHOWN IN THE SECTION DIAGRAM. COPY THIS DIMENSION LESS 2MM ONTO THE LINING INFILL, AND CUT TO WIDTH. GLUE AND SCREW IN THE POSITION SHOWN. 6 SCREW FIXINGS REQUIRED.



12  x 6

DIAGRAM 12

SECTION VIEW



MEASURE FROM THE FINISHED FACE OF THE WALL TO THE JAMB LINING AS SHOWN IN THE SECTION DIAGRAM. COPY THIS DIMENSION LESS 2MM ONTO THE LINING INFILL, AND CUT TO WIDTH. GLUE AND SCREW IN THE POSITION SHOWN. 5 SCREW FIXINGS REQUIRED PER LINING INFILL


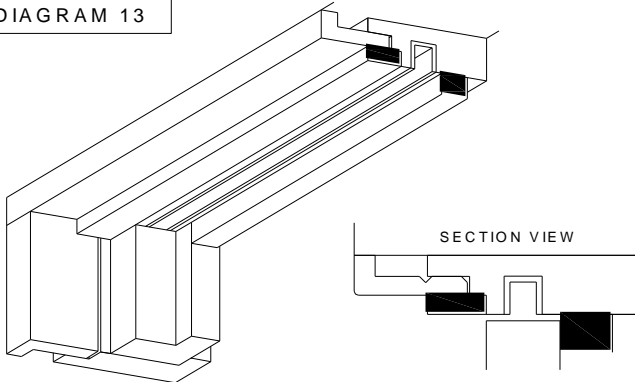
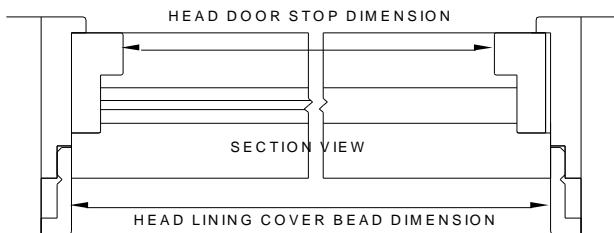
12  x 10

DIAGRAM 13



MEASURE THE DISTANCE BETWEEN THE TWO JAMB INFILL TIMBERS AS SHOWN IN THE SECTION DIAGRAM. CUT THE HEAD DOOR STOP TO THIS LENGTH. GLUE AND PIN THE HEAD DOOR STOP TO THE LINING HEAD IN THE POSITION SHOWN



MEASURE THE DISTANCE BETWEEN THE TWO JAMB LININGS AS SHOWN IN THE SECTION DIAGRAM. CUT THE HEAD LINING BEAD TO THIS LENGTH. GLUE AND PIN THE HEAD LINING BEAD TO THE HEAD LINING IN THE POSITION SHOWN

14  x 6


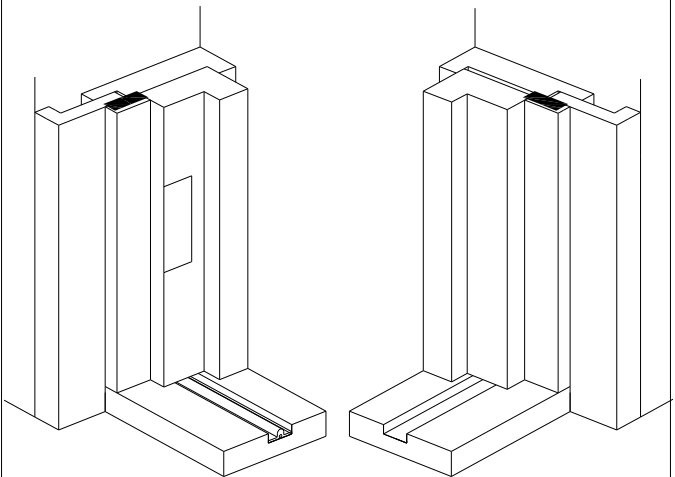
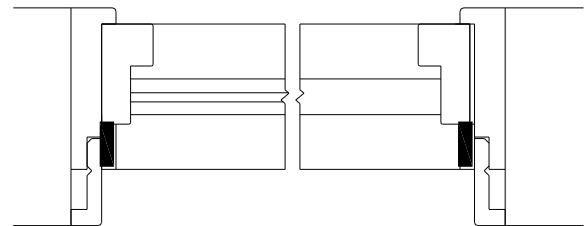
15  x 6

DIAGRAM 14

SECTION VIEW



GLUE AND PIN THE JAMB LINING BEADS IN PLACE


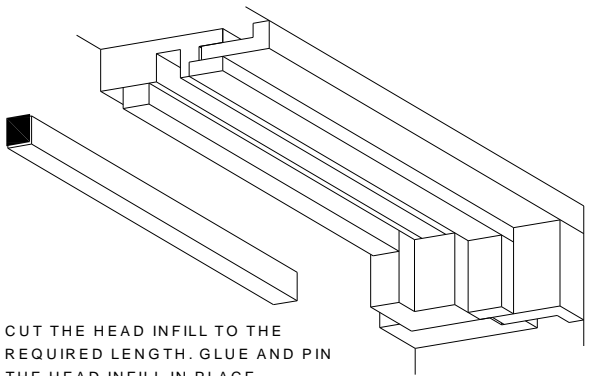
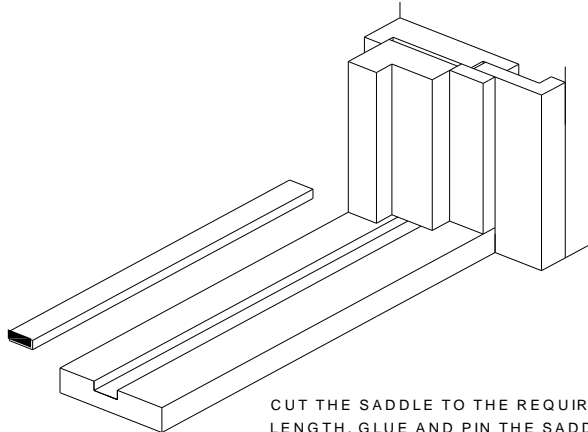
15  x 10

DIAGRAM 15



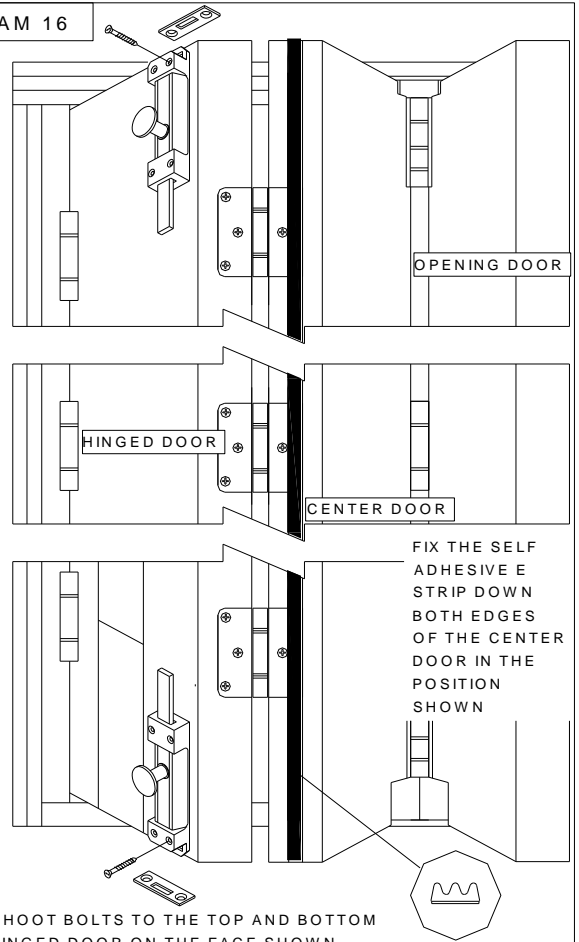
CUT THE HEAD INFILL TO THE REQUIRED LENGTH. GLUE AND PIN THE HEAD INFILL IN PLACE



CUT THE SADDLE TO THE REQUIRED LENGTH. GLUE AND PIN THE SADDLE INFILL IN PLACE

15 ——— x 4

DIAGRAM 16



OPENING DOOR

HINGED DOOR

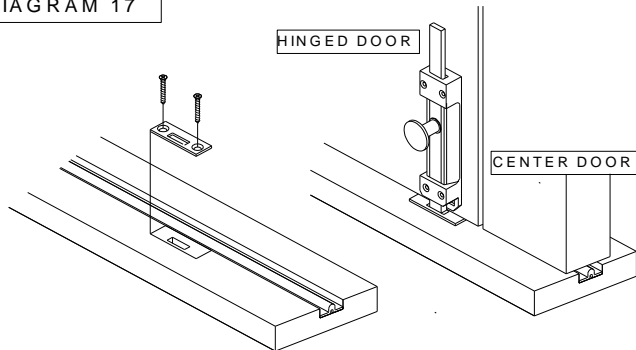
CENTER DOOR

FIX THE SELF ADHESIVE E STRIP DOWN BOTH EDGES OF THE CENTER DOOR IN THE POSITION SHOWN

FIX THE SHOOT BOLTS TO THE TOP AND BOTTOM OF THE HINGED DOOR ON THE FACE SHOWN.

SCREWS SUPPLIED WITH SHOOT BOLTS

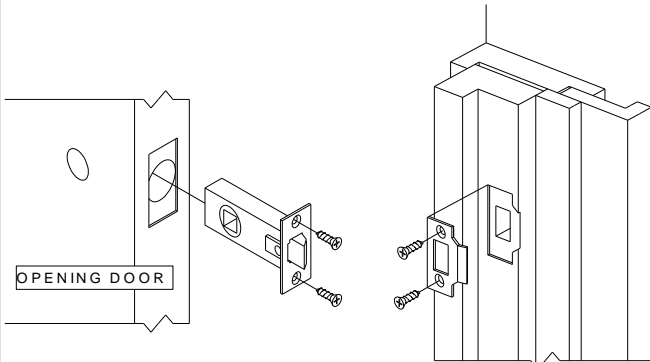
DIAGRAM 17



HINGED DOOR

CENTER DOOR

WITH THE HINGED AND CENTER DOORS CLOSED, MARK THE POSITION OF THE SHOOT BOLT KEEP ON THE SADDLE AND HEAD. DRILL / CHISEL OUT THE HEAD AND SADDLE TIMBER TO ALLOW THE BOLT TO ENGAGE INTO THE KEEP

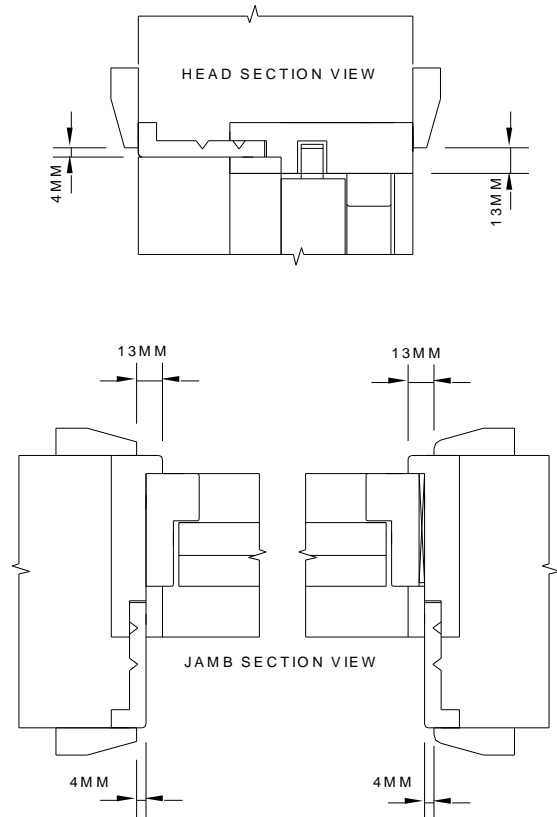


OPENING DOOR

MARK THE REQUIRED POSITION FOR THE LATCH. CUT THE HOUSING FOR THE LATCH AND DRILL THE HANDLE SPINDLE HOLE. FIT THE LATCH AND HANDLE. MARK THE CORRECT POSITION FOR THE KEEP ON THE FRAME. FIT THE KEEP.

SCREWS SUPPLIED WITH SHOOT BOLT AND LATCH

DIAGRAM 18



HEAD SECTION VIEW

JAMB SECTION VIEW

CUT MITER JOINTS FOR THE ARCHITRAVE