

MEASURING: WIDTH & HEIGHT

8.0: Square bay

How to measure square bays

Decide which shutter type and louvre size you require and select the correct sized frame. Frame depth sizes vary between MDF and wood. The frame depth is critical when measuring bays.

Cut and place the bay templates on the window sill. These are not required to measure but will provide a good visual for where the shutter frames will fit.

Tape

Stick the templates down with blu tack or masking tape so they do not move if you are using them to measure from.

Handles

Ensure the templates are positioned in front of any protruding handles. Adjust the frame depth accordingly or choose build outs or battens to help achieve the clearance required. (See '8.3 Batten' measuring addition.)

Template measuring

From the left, measure the 'Frame' width between each template.

Recess measuring

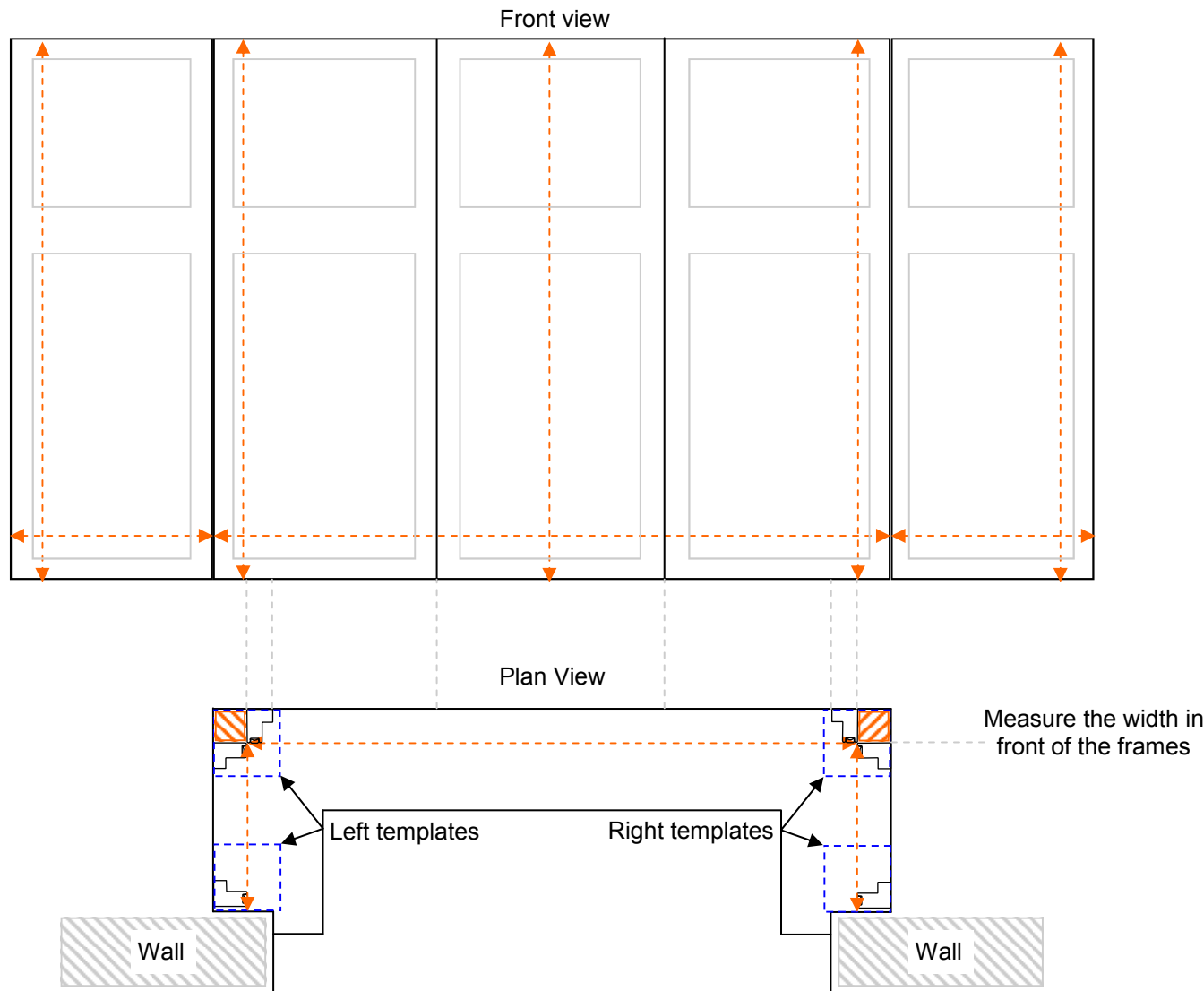
Measure the width of the left side window from recess to recess at the bottom, middle and top. Repeat for the centre and right hand side window. Treat each window section as a recess as per the drawing.

Height

Measure the height across the bay at each window section. (Use the smallest height.)

Clearance

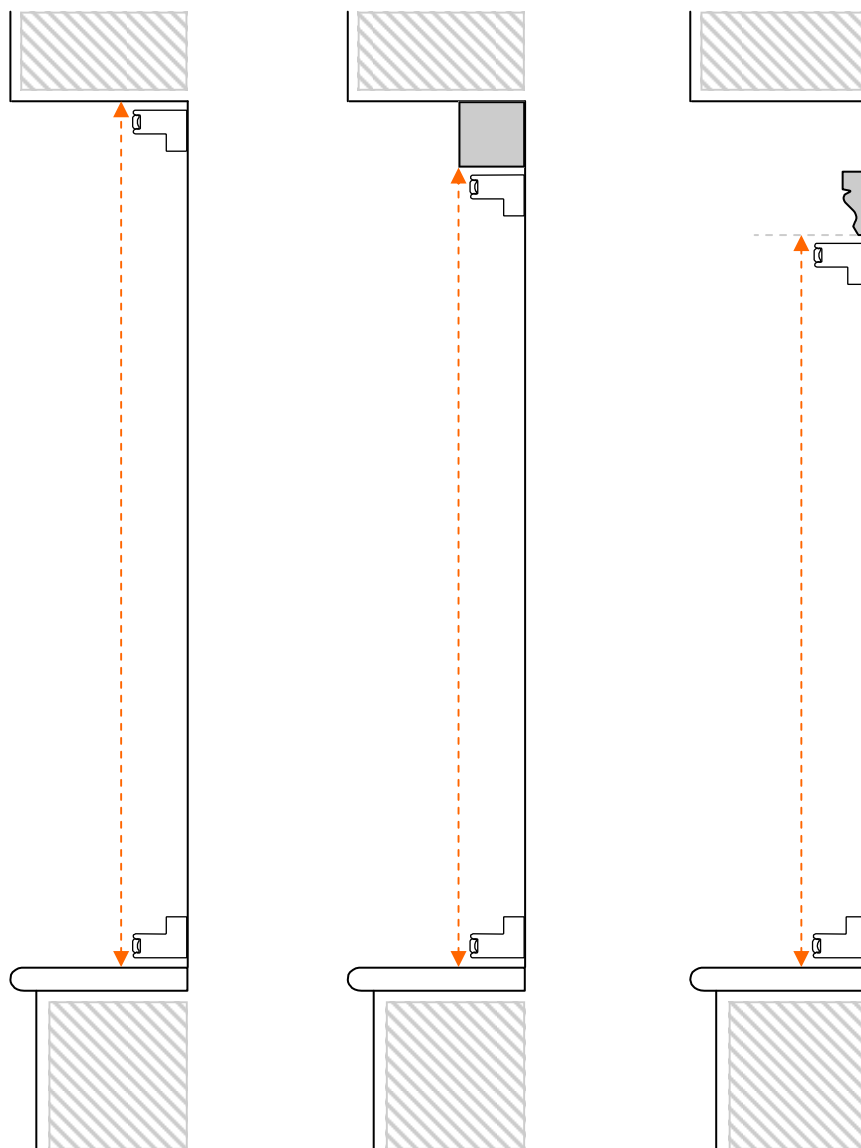
Fitting clearance is required top and bottom and at the far left and right sides of the bay.



A corner post is usually used to connect the frames together.

MEASURING: HEIGHT

Side view



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Measuring the height

Here are 3 side view examples showing how square bays can finish at the top of the recess and where to measure for each type.

Clearance

When each frame section is screwed together around a bay window you will require extra height clearance. This is because when you adjust the height on the far left frame for example, it will affect the centre frame and in turn affect the right frame as they are all connected.

15mm clearance is normally deducted from bay heights.

Level

Level around the window so you are aware of the low and high points. Then take the smallest height between the level points.

Measuring.

Measure from the sill to the inside of the top recess or architrave.

MEASURING: HORIZONTAL RAILS

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Rail heights

Square bays can be fitted with the following shutter designs:

Full height - Half height - Top opening

Top opening is not as popular on square bays as the opening options are limited.

Horizontal rail

Measure from the sill to the **centre** of the rail on the window.

Deduct 5mm when ordering 'Frame' size. Heights over 1800mm require a horizontal rail as standard.

Half height

It is important that you do not see any of the window rails above the shutters as these can be out of level and will make the shutters appear out of level if taken too low.

Measure from the sill to the **'top'** of the window rails, take the highest measurement.

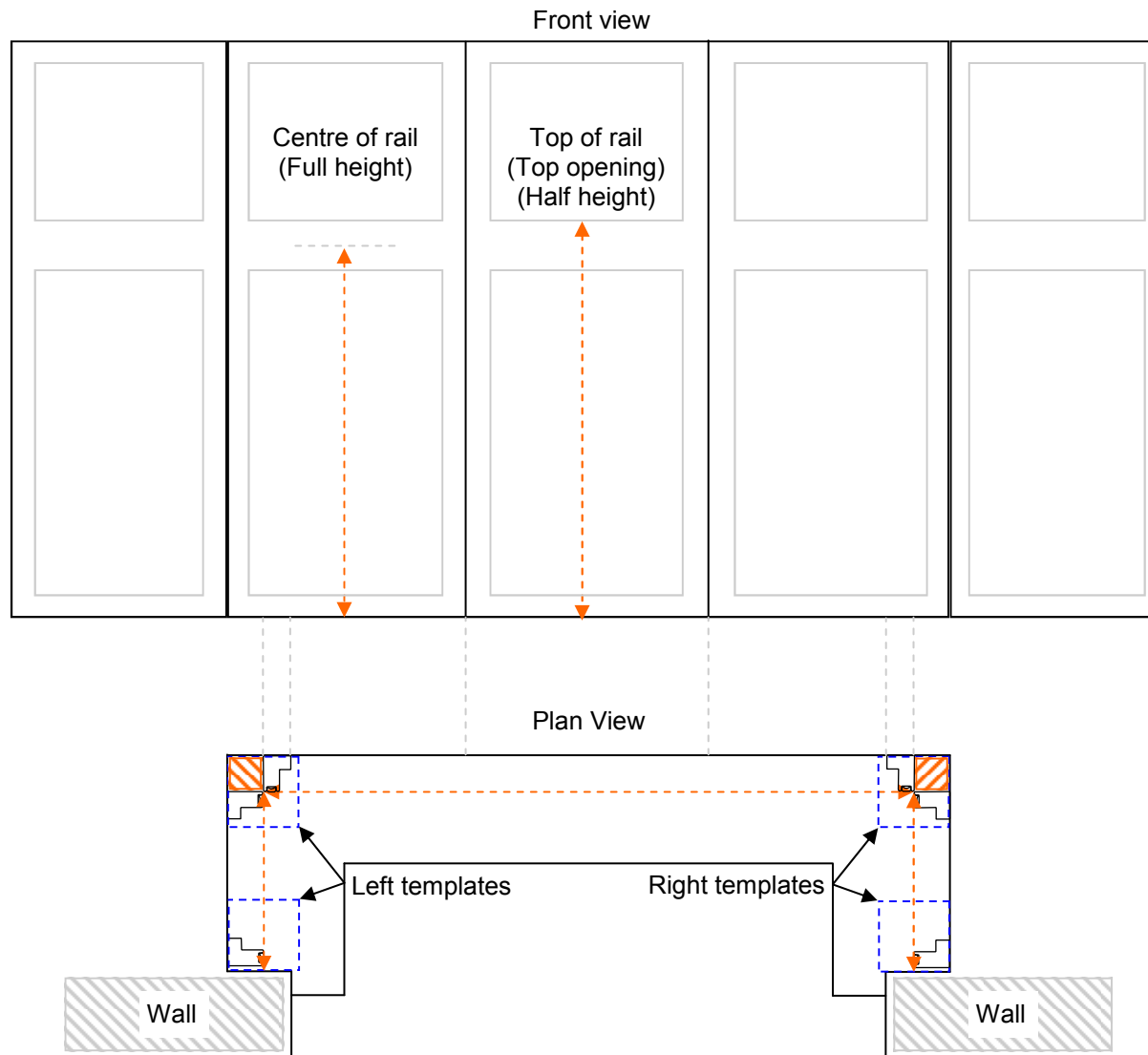
Deduct 5mm when ordering 'Frame' size. (There are 3 sided and 4 sided frame options when ordering half height shutters.)

Top opening

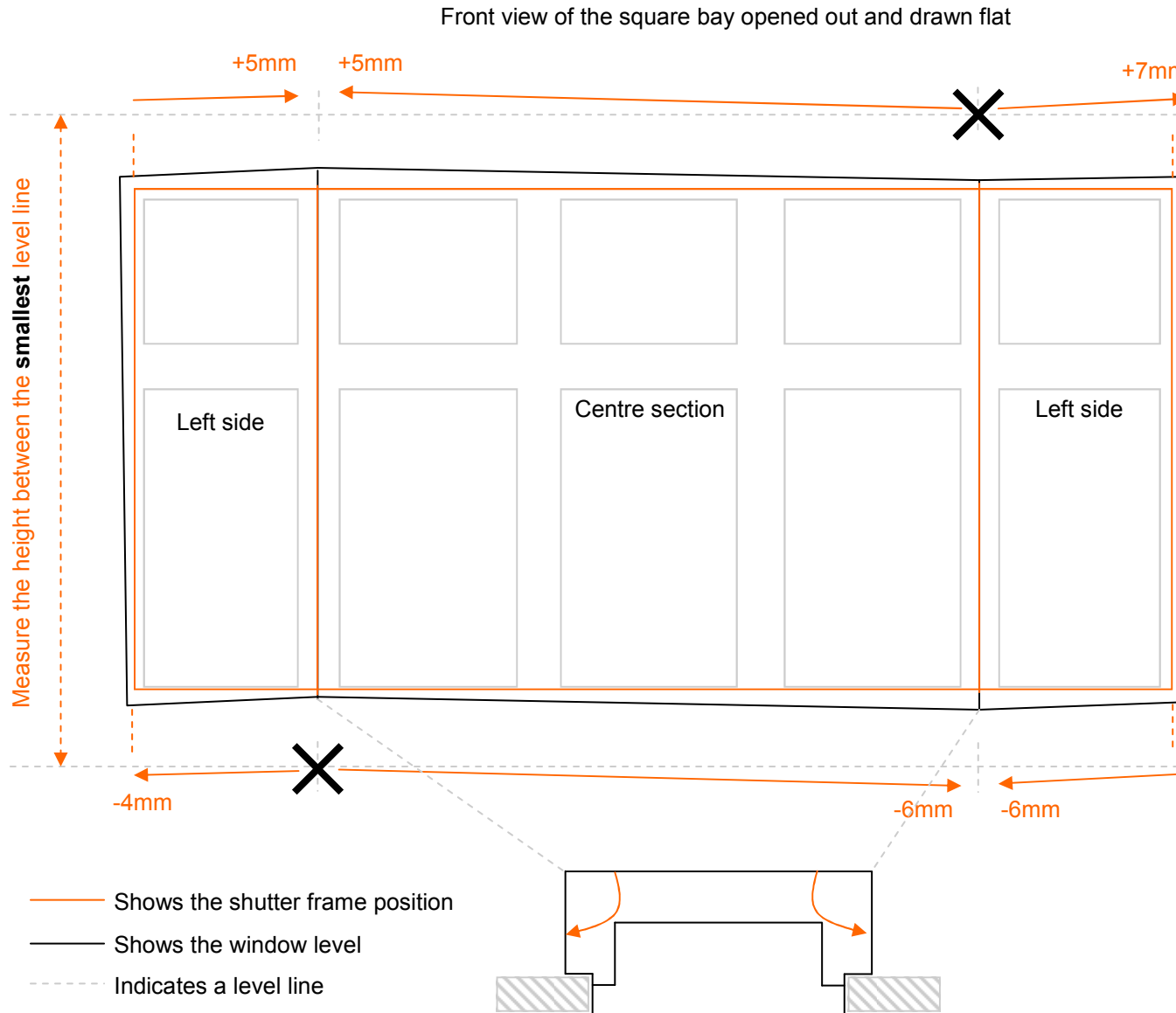
When the top set of shutters are open it is important that you do not see any of the rails on the window as these can be out of level and will make the shutters appear out of level if this height measurement is taken too low.

Measure from the sill to the **'top'** of the rails on the window, take the highest measurement.

Deduct 5mm when ordering 'Frame' size.



MEASURING: OUT OF LEVEL WINDOWS



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What if my window is out of level?

Bay windows are quite often out of level. It is important to check the levels and work out the smallest point between the top and bottom.

Each shutter bay section is screwed together, so when adjusting one side it will affect the other frames too.

With 3 frames involved it is important to allow more clearance as the adjustments can get larger.

Example

In this typical example you can see the two smallest points are marked with an 'X' and that the left side bay drops and the right corner angle drops.

Measuring

Follow this example and draw a top and bottom level line, then work around the bay checking the levels and marking each level on the paper. Doing this visually will help you see the levels of the bay clearer.

Clearance

5 - 7.5mm clearance is still required from these smallest width and height sizes.

Ordering 'Frame' size rather than 'Recess' size is recommended on bay windows. This allows you to create your own shadow gap according to the levels of your window.

Advice

If you would like further advice please upload photos of your window and a similar drawing showing the relevant sizes and levels marked out.

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MEASURING: SIZE FORMULA

Formula

- Left side = Recess Width (- 5mm) (- Frame depth) = Frame size
- Centre = Recess Width (- Frame depth) - (- Frame depth) -(2mm extra) = Frame size
- Right side = Recess Width (- 5mm) (- Frame depth) = Frame size
- Height = Recess Height - (15mm) = Frame size
- Rail = Recess Height (from sill) - (5mm) = Order size

Deducting clearance

Treat each section like it's own recess.

Width

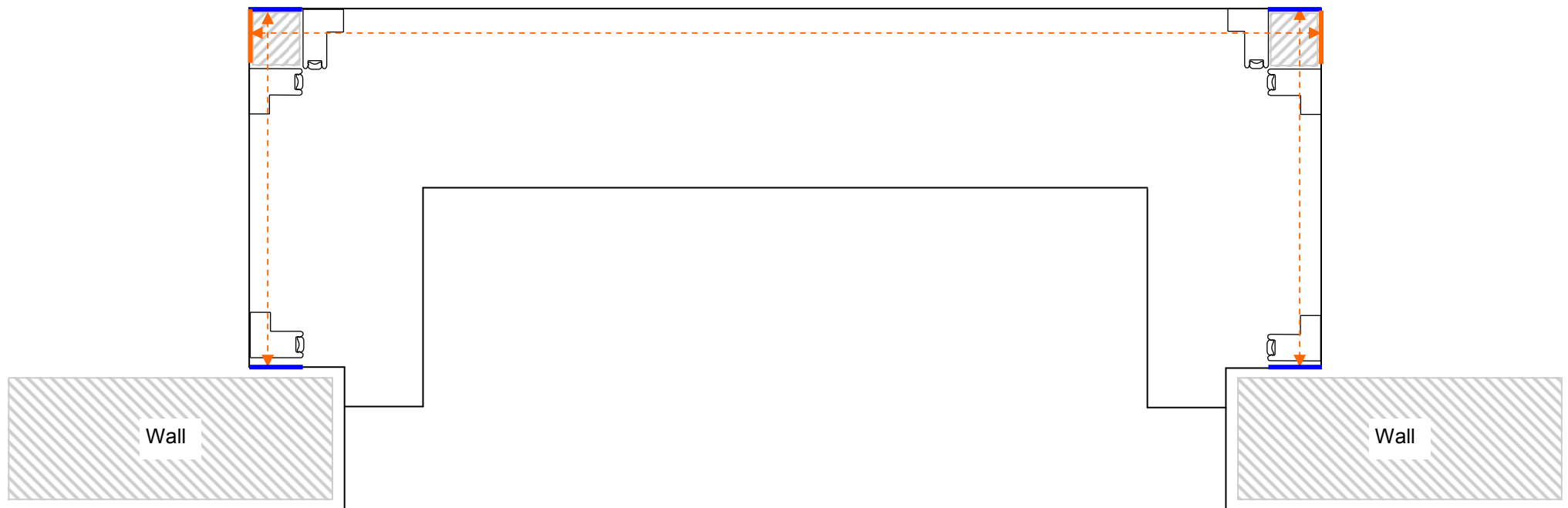
Deduct the thickness of the frame in the corners and the shadow gap from each side to work out the 'Frame' size (order size).

Height

Deduct the shadow gap top and bottom.

On wide windows, 2mm extra clearance is recommended to ensure the centre shutter frame fits in the recess comfortably.

Plan View



MEASURING: SURVEY FORM

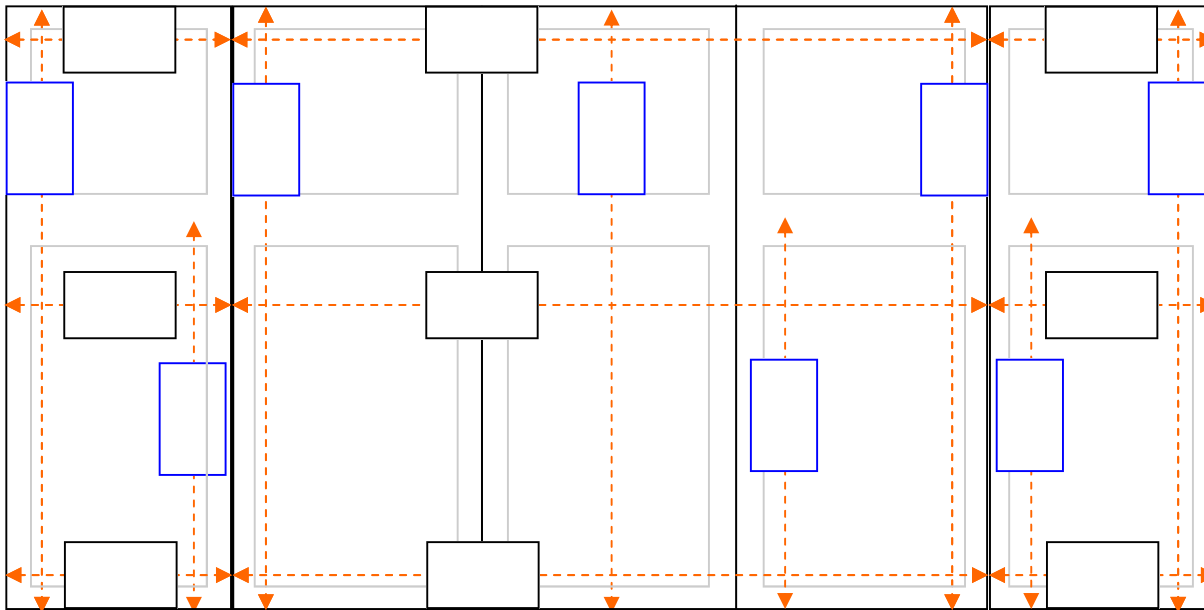
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Survey form

Enter your exact bay recess sizes into the boxes on the left.

Enter the smallest recess order sizes below.

Front view



Shutter details

Room name

Shutter type

Louvre size

Frame size

Folding

Options

Smallest order sizes

Left side width

Centre width

Right side width

Overall height

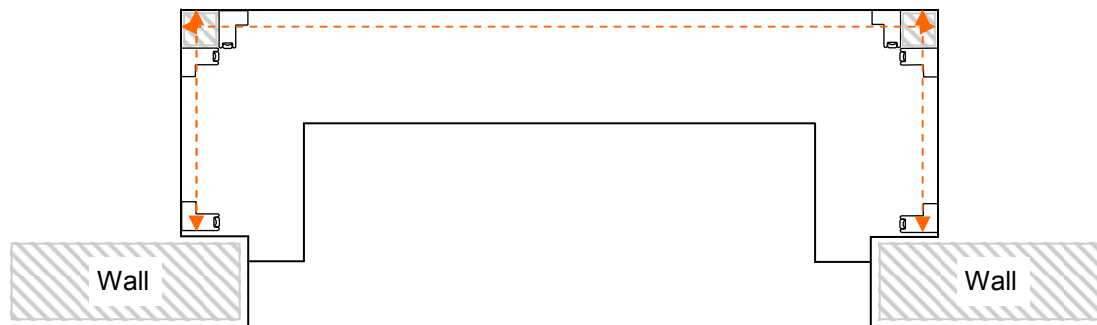
Horizontal rail

Handle

Key:

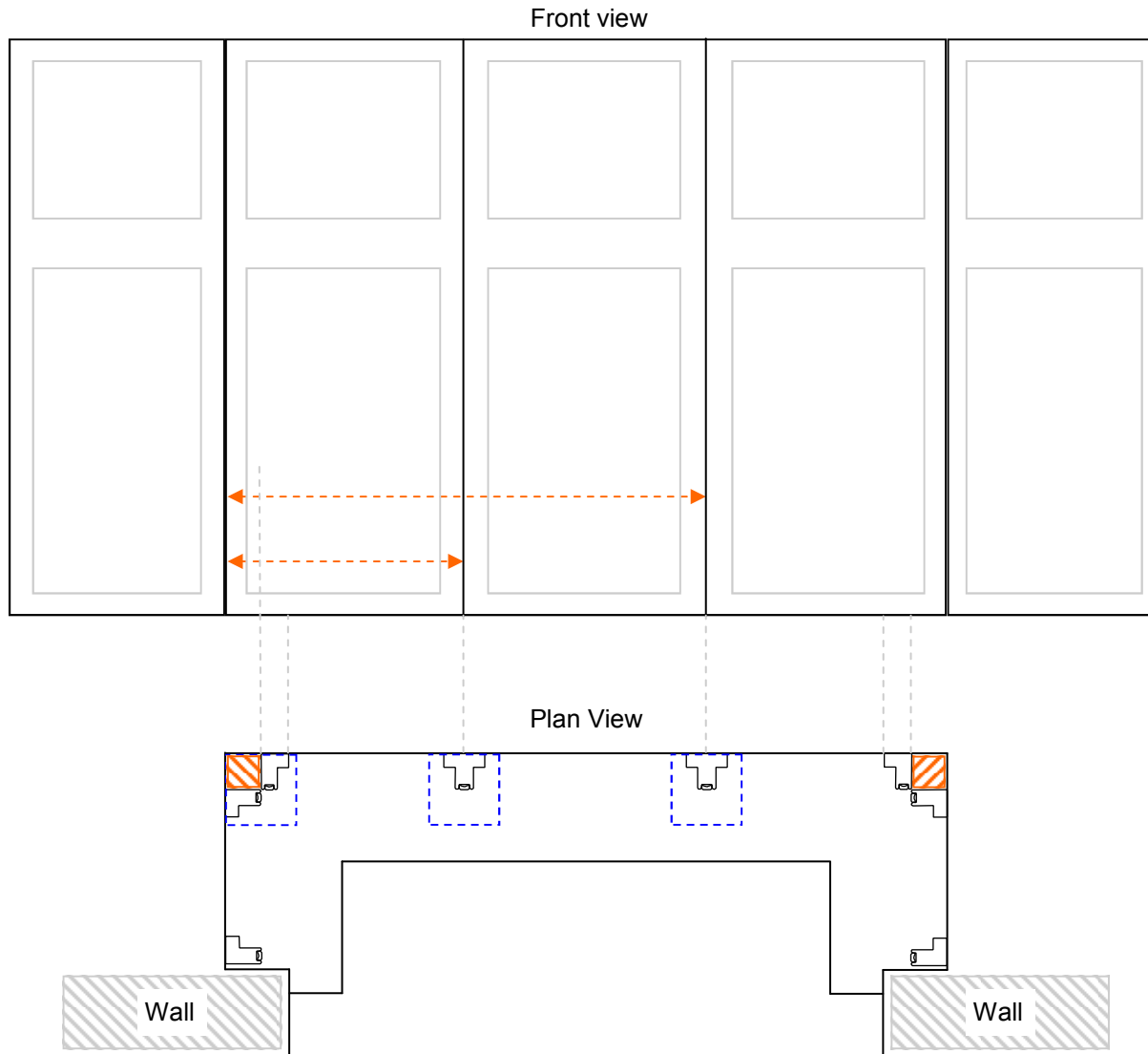
Height

Width



'Double check your measuring'

MEASURING: ADDING A TPOST



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Adding a Tpost

Bay windows with wide centre windows can be fitted with Tposts like standard rectangular shutter frames.

Design

Adding Tposts is very popular, they ensure the shutter panels line up with the mullions.

The frame depth in the corner off sets where the shutters start from. Adding Tposts ensure the centre panels match the centre window sections as much as possible.

Measuring

Measure from the side window (recess) or from the template to match the way the rest of the window has been measured.

Remember, when taking measurements from the recess, the depth of the side frame needs to be deducted.

More than 1 Tpost

Take all the measurements from the left to the centre of each Tpost.

Follow the '1.4 Tpost' measuring guide for extra advice and templates.

Tpost sizes

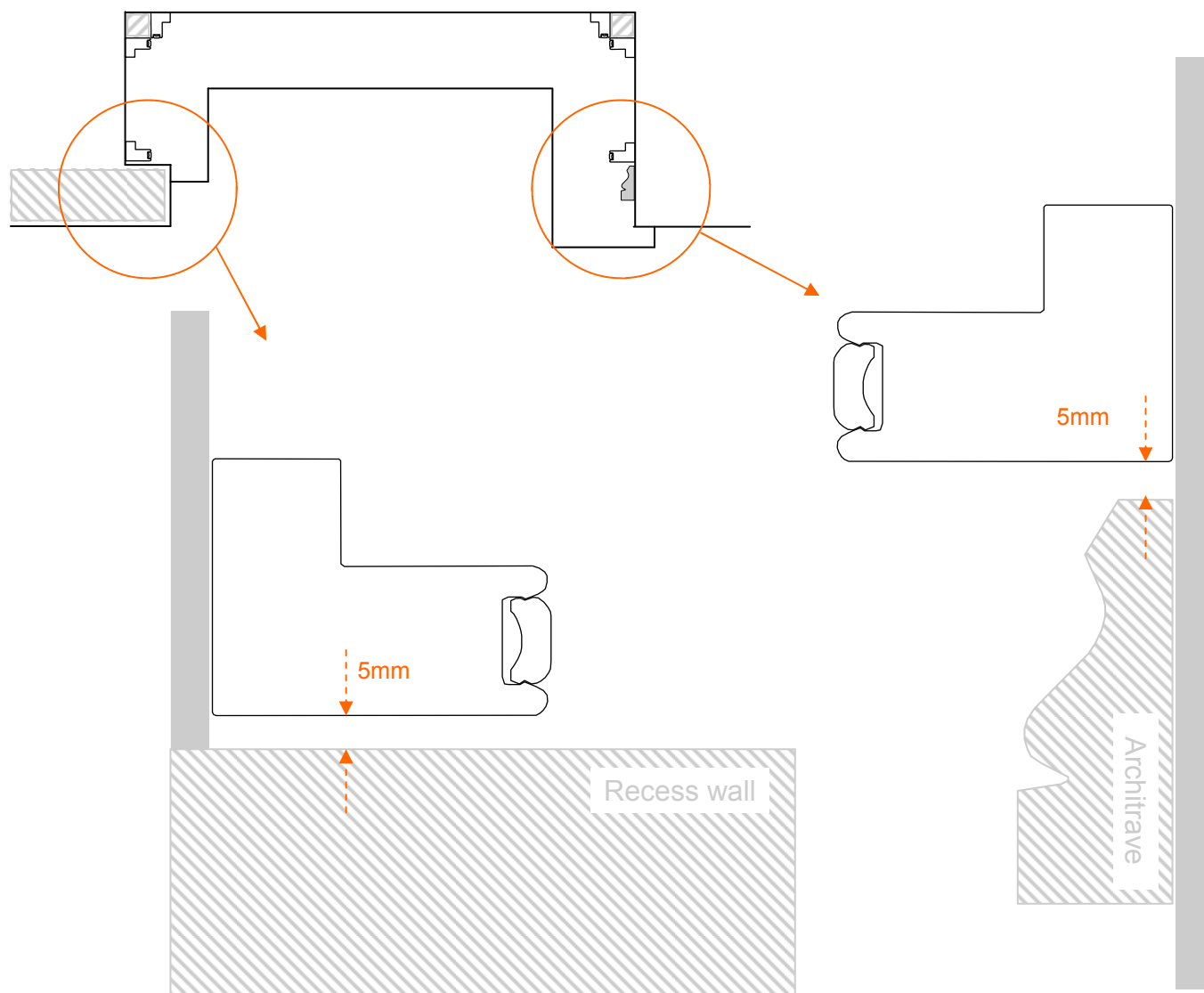
T1 Width

T2 Width

T3 Width

T4 Width

MEASURING: RECESS OR ARCHITRAVE SIDES



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Recess or architrave

Here are two examples showing how the shutter frames will finish at the edges of a square bay.

Recess wall

Treat this like a recess window, measure to the wall and create a shadow gap.

Architrave

Measure to the inside edge of the architrave and allow 5mm fitting clearance.

Ensure there is enough window frame to install the shutters to.

Frame size

An important note about how frames are measured.

MEASURING: FRAME ORDER SIZE

Important:

All 'Frame' order sizes on L frames are taken from this highlighted edge.

