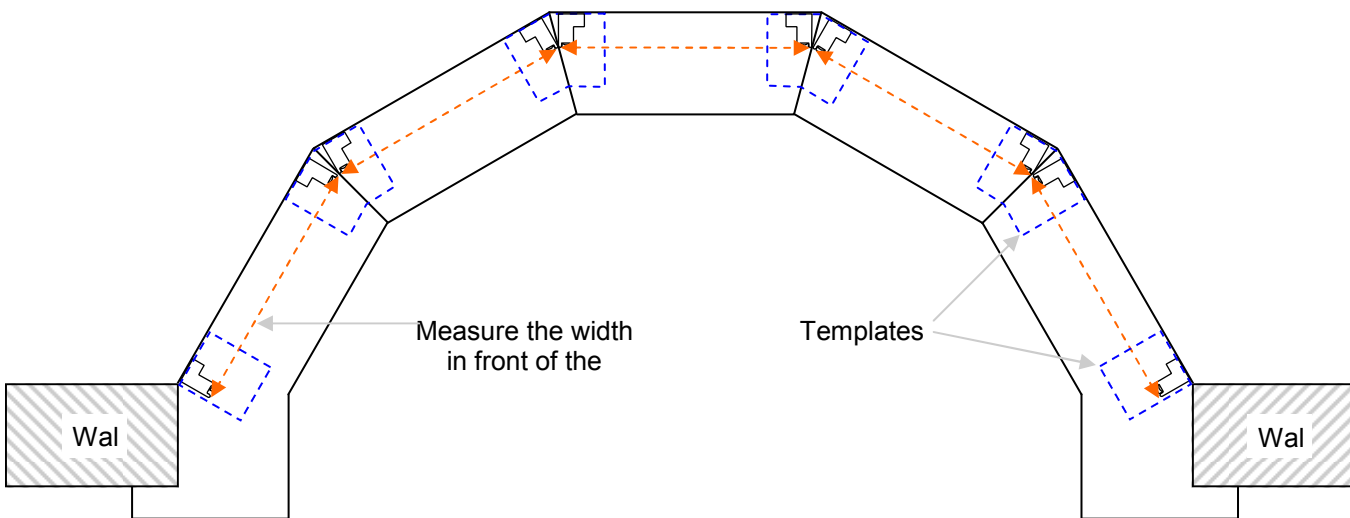
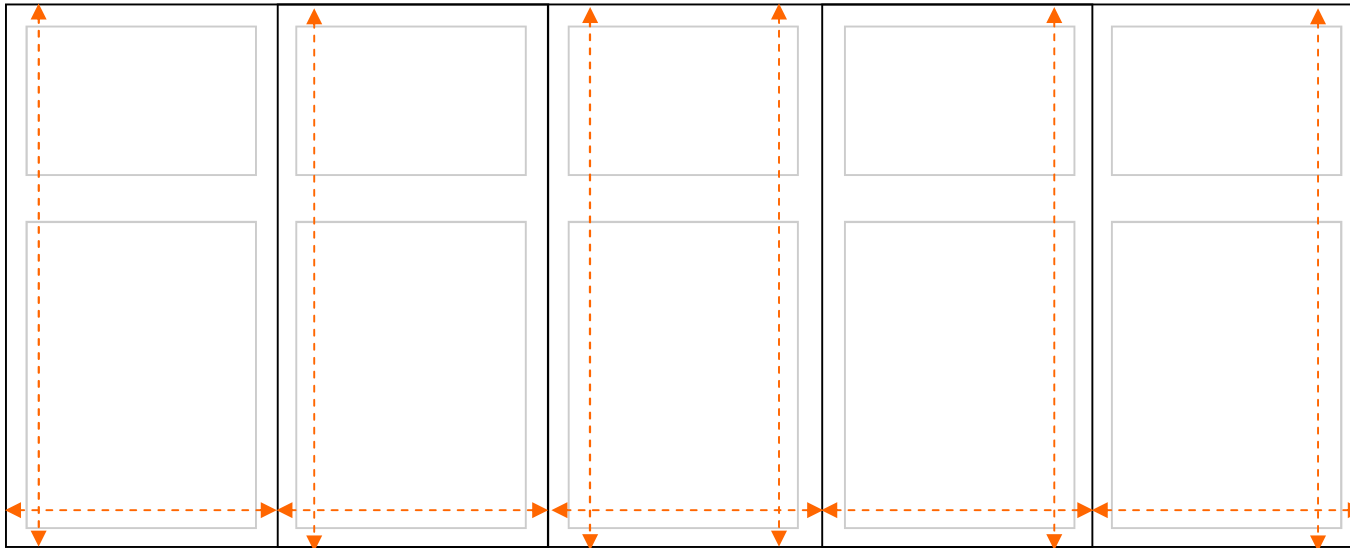


## MEASURING: WIDTH & HEIGHT



## 9.0: Round bays

### How to measure round 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 templates on the window sill to be able to measure between them.

#### Tape

Stick the templates down with blu tack or masking tape so they do not move when measuring.

#### Angle

If the angle is different to the preset template angle, cut out the frames from the template to create a custom angle. Frames generally touch each other at the angle, frames at the sides require a 5mm fitting clearance gap.

#### Handles

Ensure the templates are position in front of any protruding handles. Adjust the frame depth accordingly or choose build outs or battens to help achieve the clearance required. (View the round bay batten measuring addition.)

#### Measuring

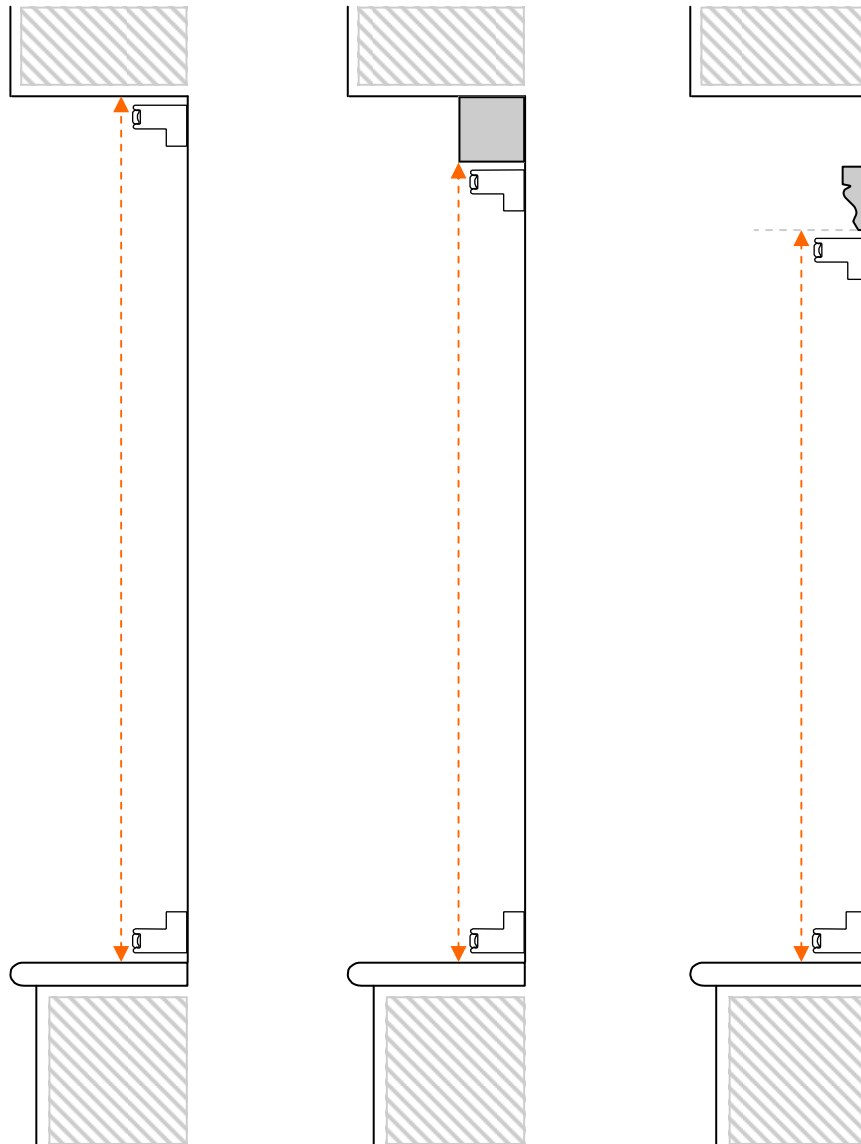
With all the templates stuck in position, measure the 'Frame' width between each template.

#### Height

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

## MEASURING: HEIGHT

Side view



## 9.0: Round bays

### Measuring the height

Here are 3 side view examples showing how round 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, as it is screwed to the frame next to it, and that frame is screwed to another and so on, any height adjustments ripple across all of the sections.

For this reason, 15mm clearance is normally deducted from bay heights.

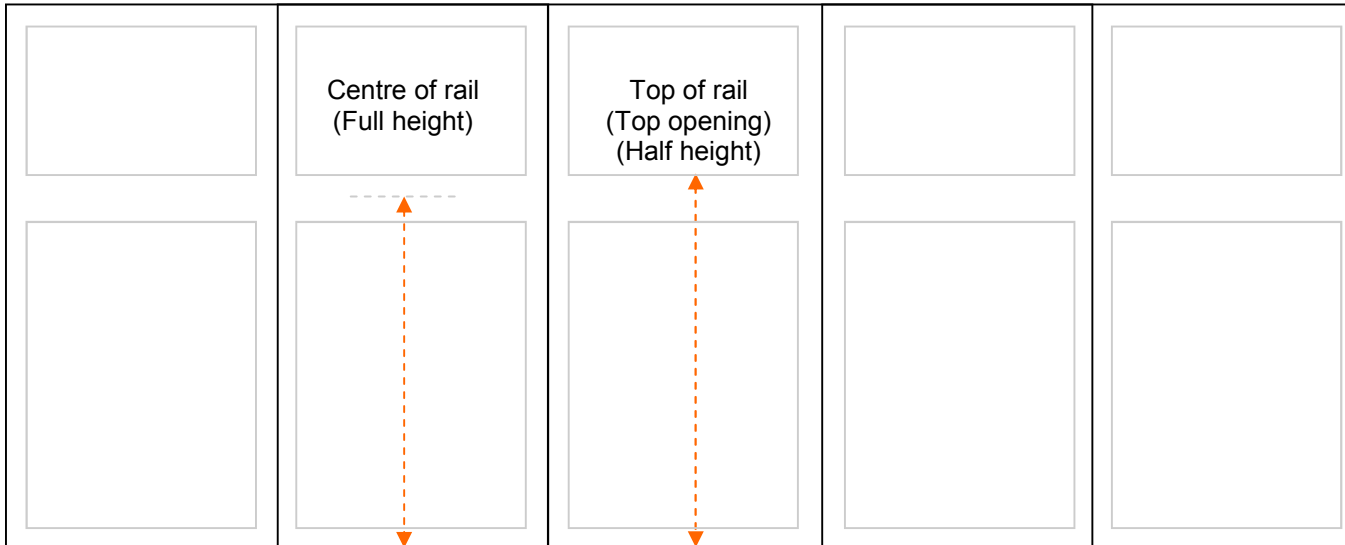
### Level

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 as shown.

## MEASURING: HORIZONTAL RAILS



## 9.0: Round bays

### Rail heights

Round bays can be fitted with the following shutter designs:

Full height - Half height - Top opening

Top opening is not as popular on round 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.)

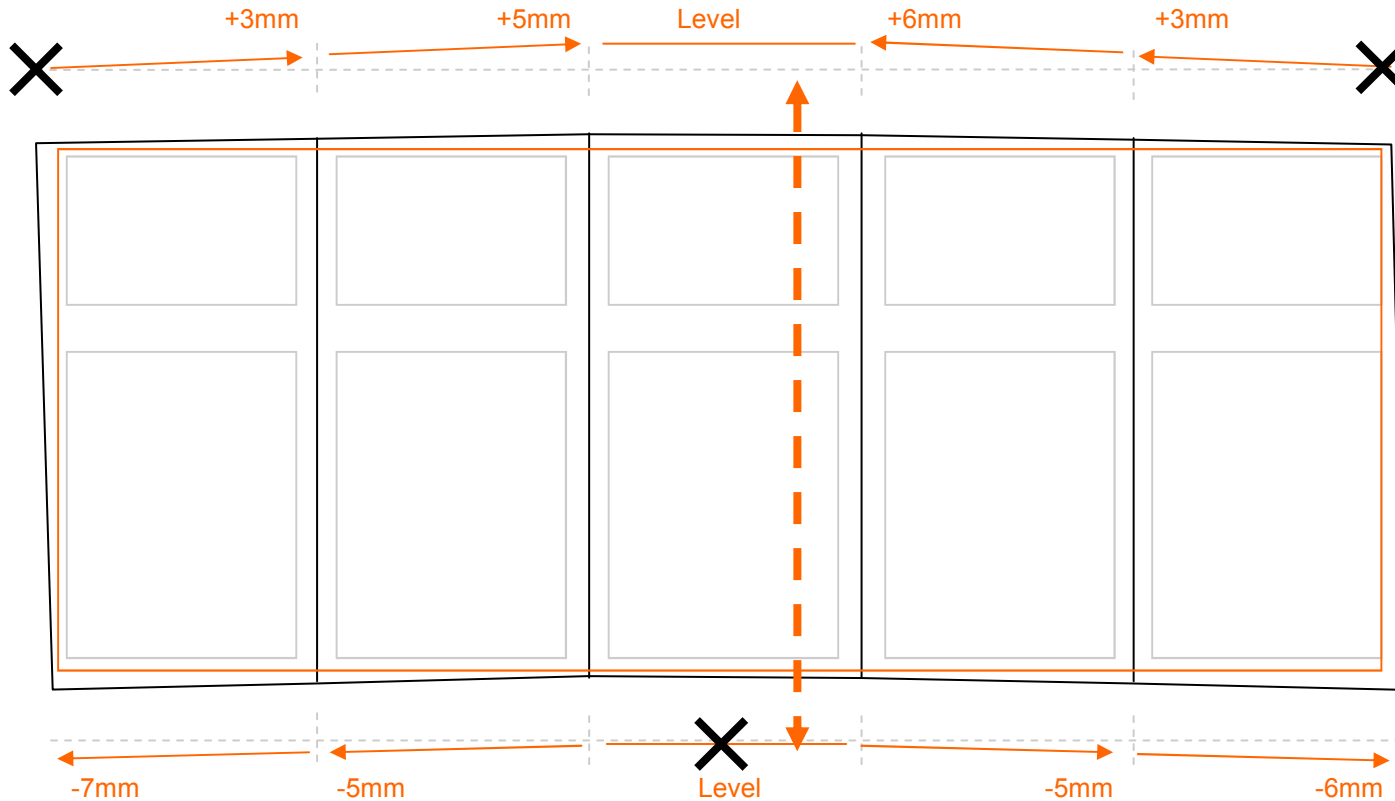
### Top opening

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 WINDOW



- Shows the shutter frame position
- Shows the window level
- - - Indicates a level line

## 9.0: Round bays

### 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 them.

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

With 5 frames involved it is important to allow more clearance as the adjustments will get larger.

### Example

In this typical example you can see the two smallest points are marked with an 'X' and that the centre is level but drops either side.

### 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

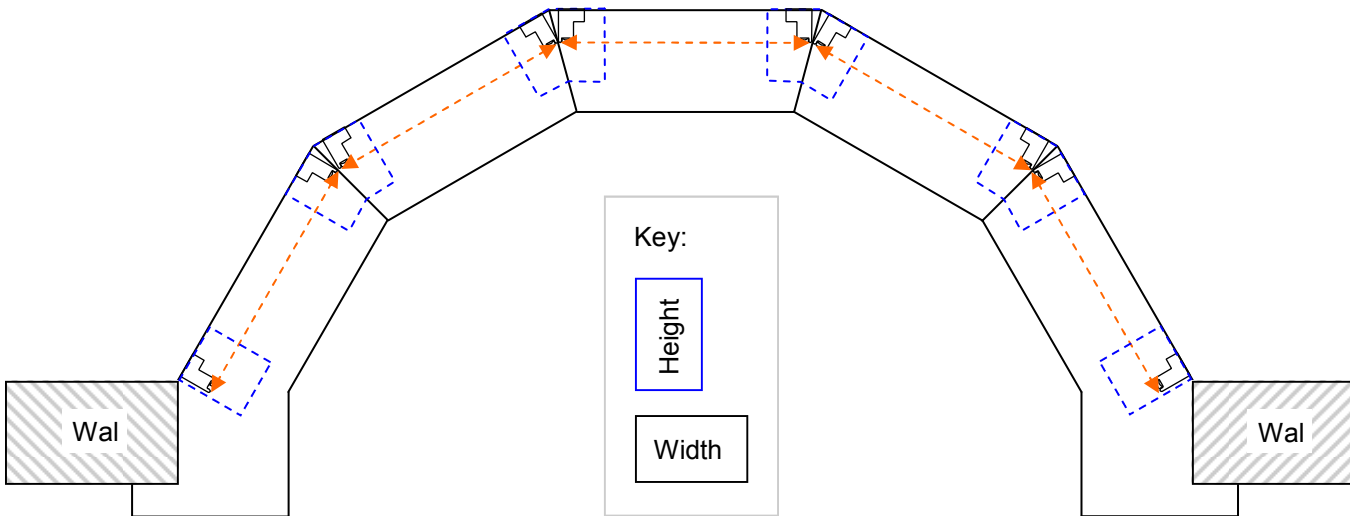
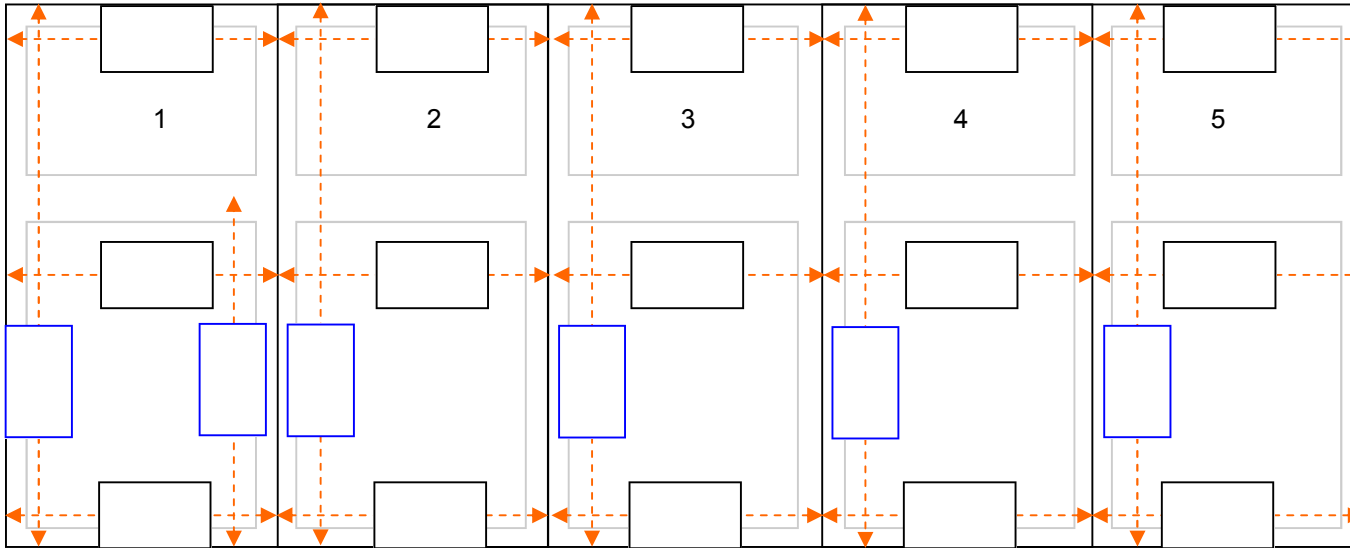
5 - 7.5mm clearance is still required from these smallest width and height sizes.

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.

## MEASURING: ROUND BAY



### 9.0: Round bays

#### Survey form

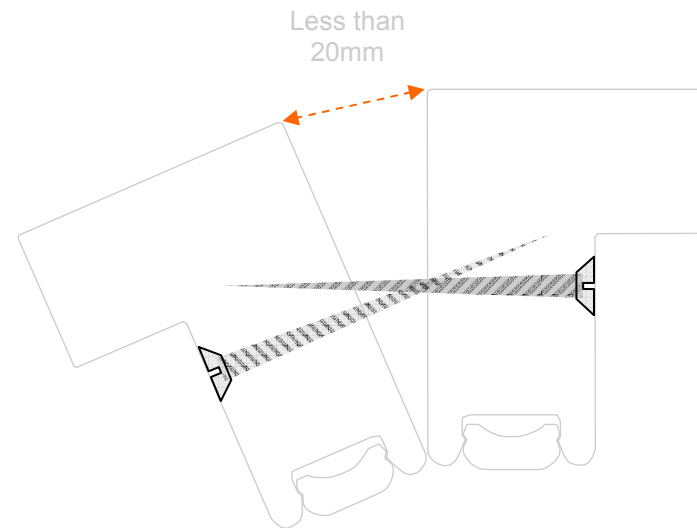
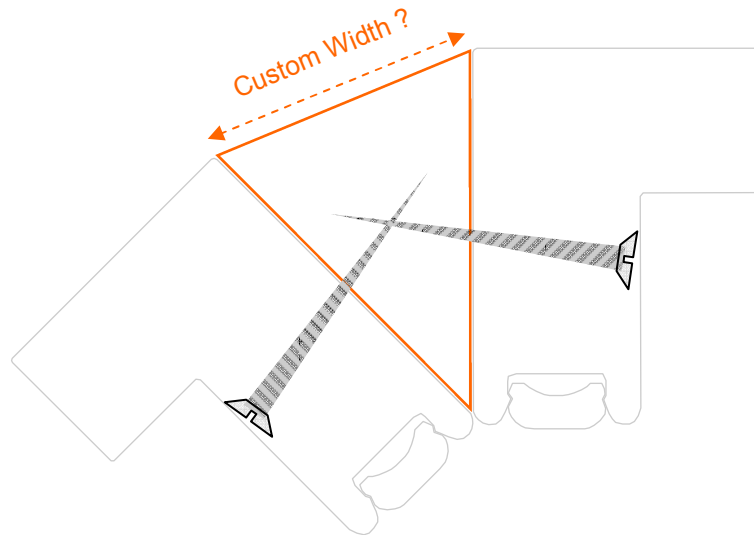
Enter your exact window recess sizes into the boxes on the left.

Shutter details	
Room name	
Shutter type	
Louvre size	
Frame size	
Folding	
Options	

Smallest order sizes	
1. Left width	
2. Left width	
3. Centre width	
4. Right width	
5. Right width	
Height	
Horizontal rail	
Handle	

***'Double check your measuring'***

## MEASURING: TRIANGULAR INFILL'S



### 9.0: Round bays

#### Triangular infill's

Due to the angle of round bay windows, triangular infill's are generally not required.

If you do require these battens the back of width of the triangle is required to place an order.

#### Fixing

These triangular battens are secured in place by screwing sideways through the shutter frames.

#### Too small

Widths smaller than 20mm will not require infill's. The shutter frames can be screwed directly together.

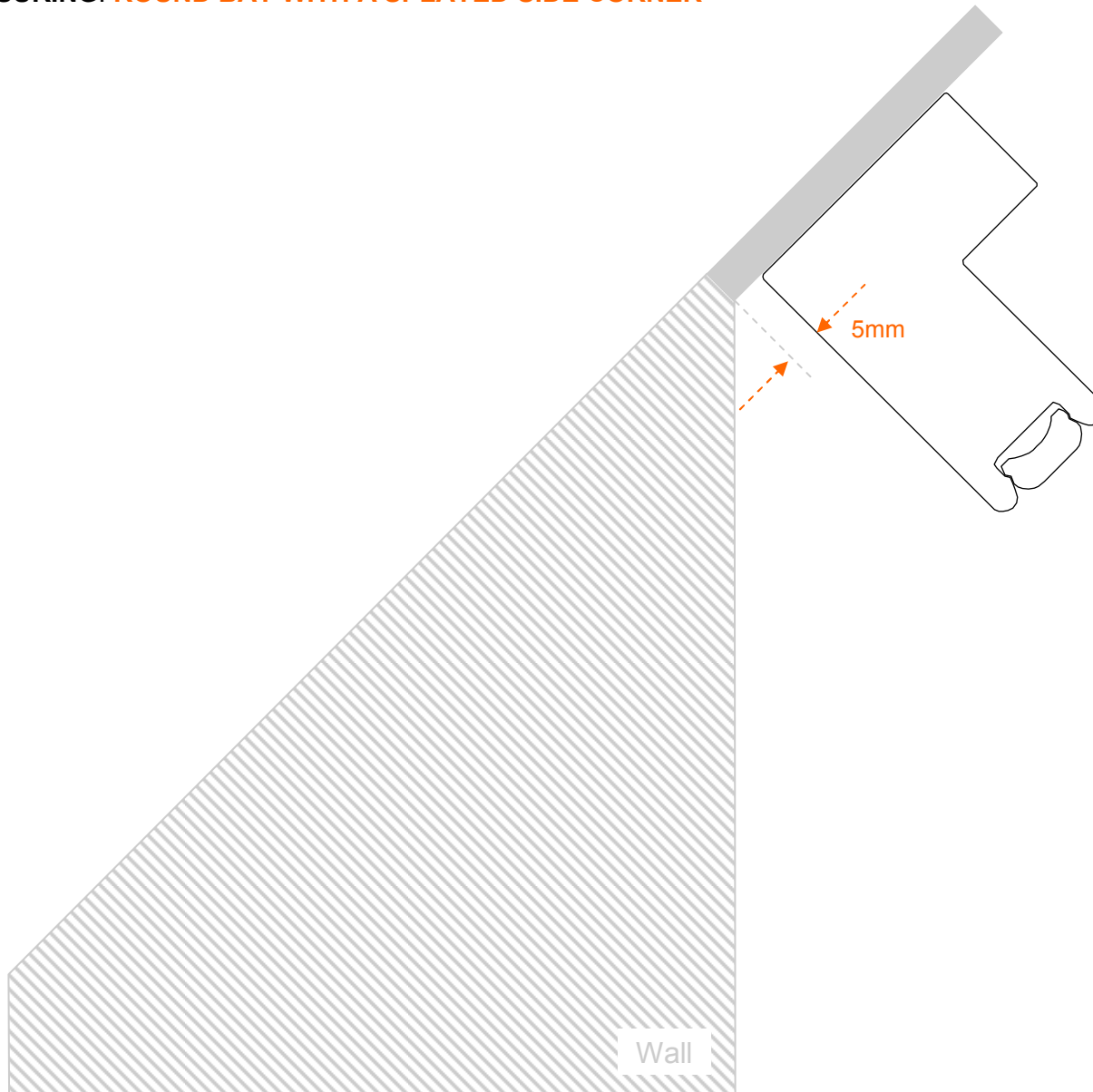
## 9.0: Round bays

### Splayed corner design

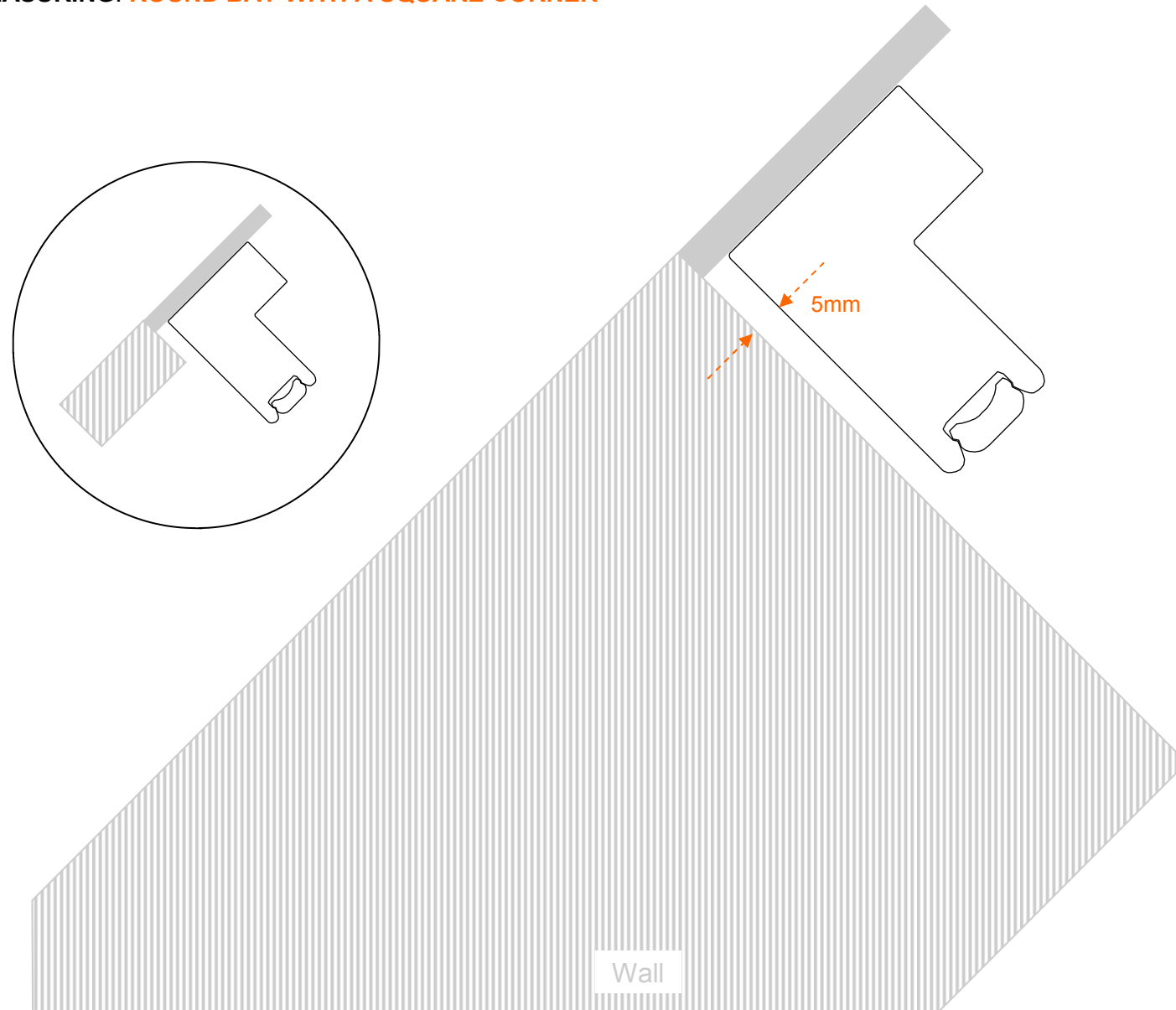
This example shows how the frame will finish at the sides when you have splayed corners.

5mm clearance is still required to allow frame movement when fitting the shutters.

### MEASURING: ROUND BAY WITH A SPLAYED SIDE CORNER



## MEASURING: ROUND BAY WITH A SQUARE CORNER



### 9.0: Round bays

#### Square corner design

This example shows how the frame will finish at the side when you have a square return.

5mm clearance is required to allow frame movement when fitting the shutters.



**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.

