

## MEASURING: SQUARE BAY

### 8.4: Battens

#### How to measure square bays

Most UPVC bay windows require battens to space the shutter frames away from their large protruding handles.

UPVC bay windows can also have plastic trim fitted around the window or uneven stepped window frames.

Fitting battens around the window help overcome these obstacles and create a flat area onto which the shutter frames can be installed.

#### Measuring

Follow the main 90° square bay measuring guide but use the following batten templates behind the frame templates or create your own custom batten depth.

#### Batten length

Battens are best ordered over long so you have enough room to cut them to size.

#### Rebates

Rebates can be pre-cut out of the back of the batten so they sit over any plastic trim.

#### Sizes

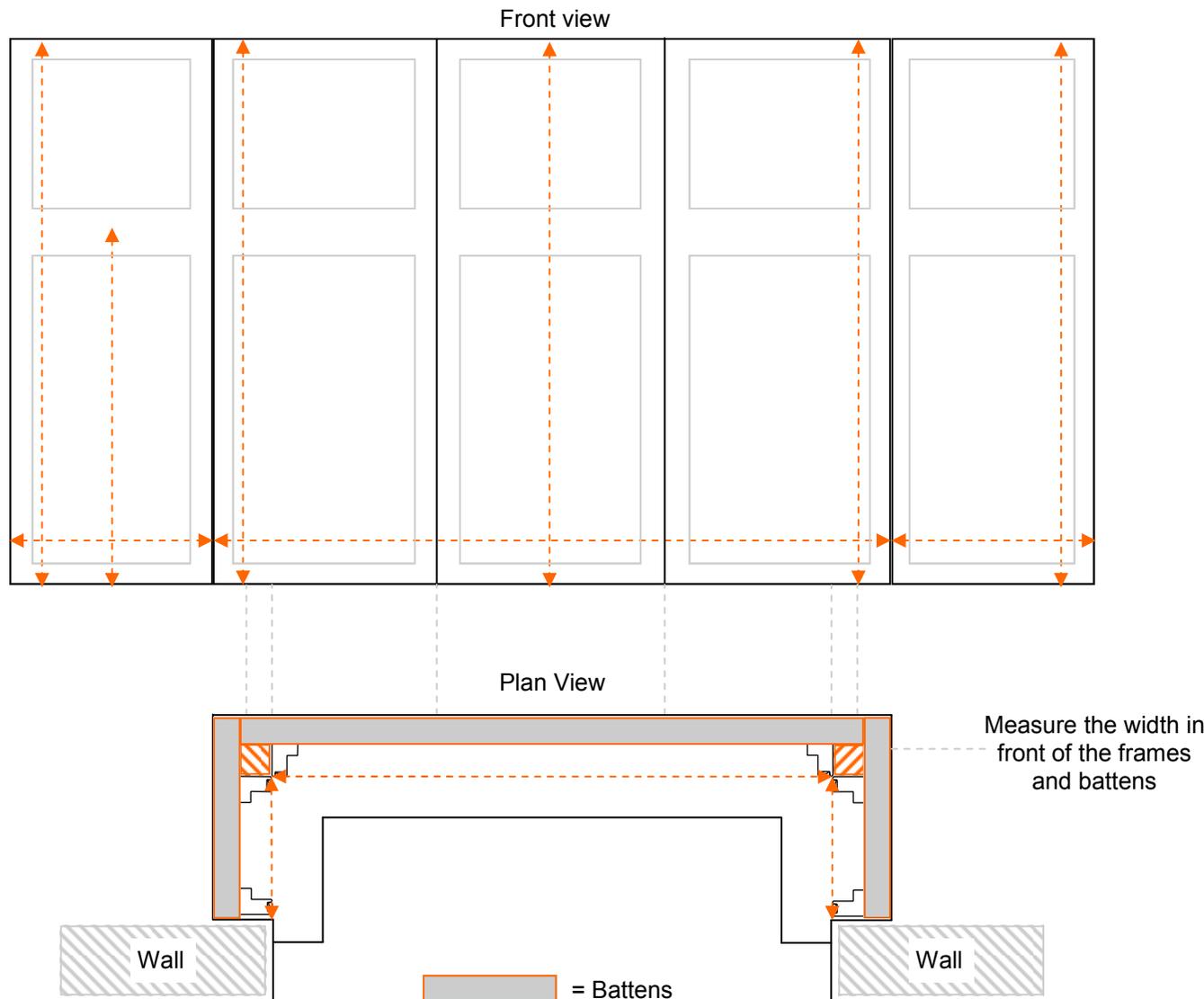
30 x 40mm are used for bay windows.

Out of level windows may benefit from 40 x 40mm battens as they will provide a larger fixing area, especially the top and bottom battens.

Custom width and height sizes can be ordered for uneven window faces.

#### Frame size

When using battens the standard 46mm frame size is normally fine. The 60mm medium frame will be required for 89mm louvre blades.



## 8.4: Battens

### MEASURING: SIZE FORMULA

#### Formula

- Left side = Recess Width (- 5mm) (- Frame depth) - (Batten depth) = Frame size
- Centre = Recess Width (- Frame depth) - (- Frame depth) - (Batten depth) - (Batten depth) - (2mm extra) = Frame size
- Right side = Recess Width (- 5mm) (- Frame depth) - (Batten depth) = Frame size

#### Deducting clearance

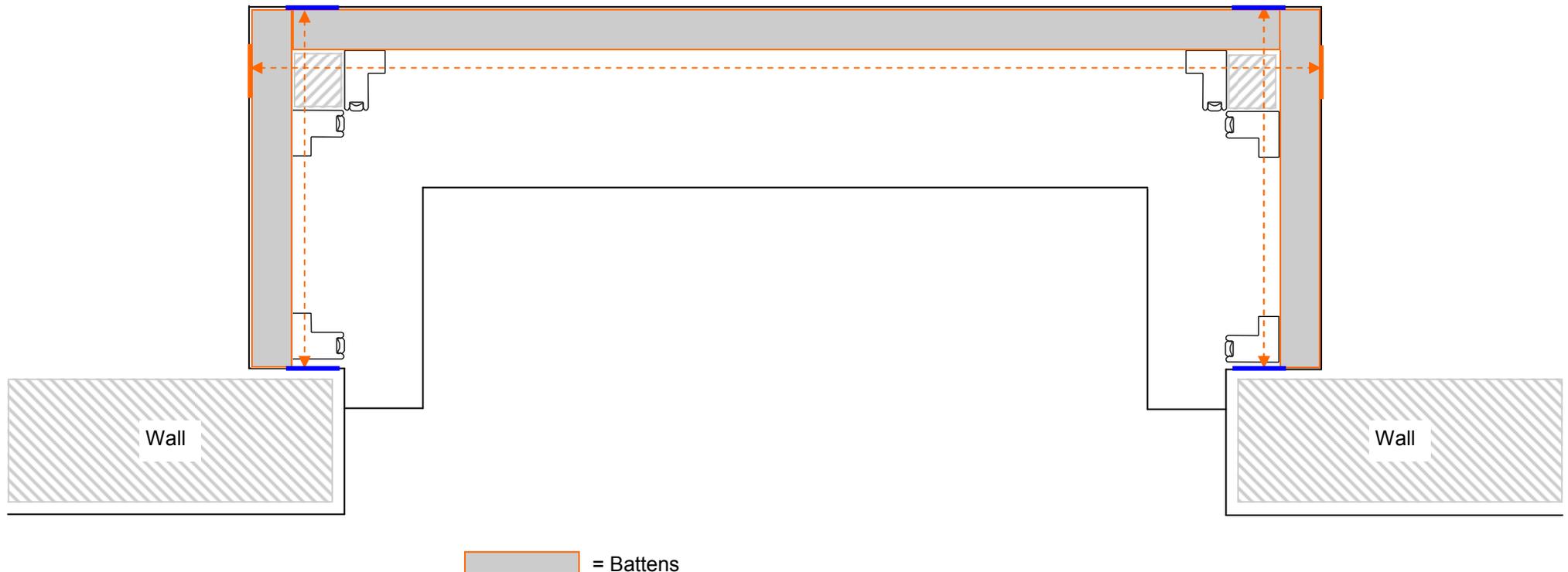
Treat each section like its own recess.

#### Width

Deduct the thickness of the frame, batten and shadow gap from each width to work out the Frame size (order size).

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

Plan View



## 8.4: Battens

### MEASURING: OPTIONAL SIDE BATTENS

#### Formula

- Left side = Recess Width (- 5mm) (- Frame depth) - (Batten depth) = Frame size
- Centre = Recess Width (- Frame depth) - (- Frame depth -(2mm extra) = Frame size
- Right side = Recess Width (- 5mm) (- Frame depth) - (Batten depth) = Frame size

#### Optional side battens

When there are no handles on the side bay windows and you have:

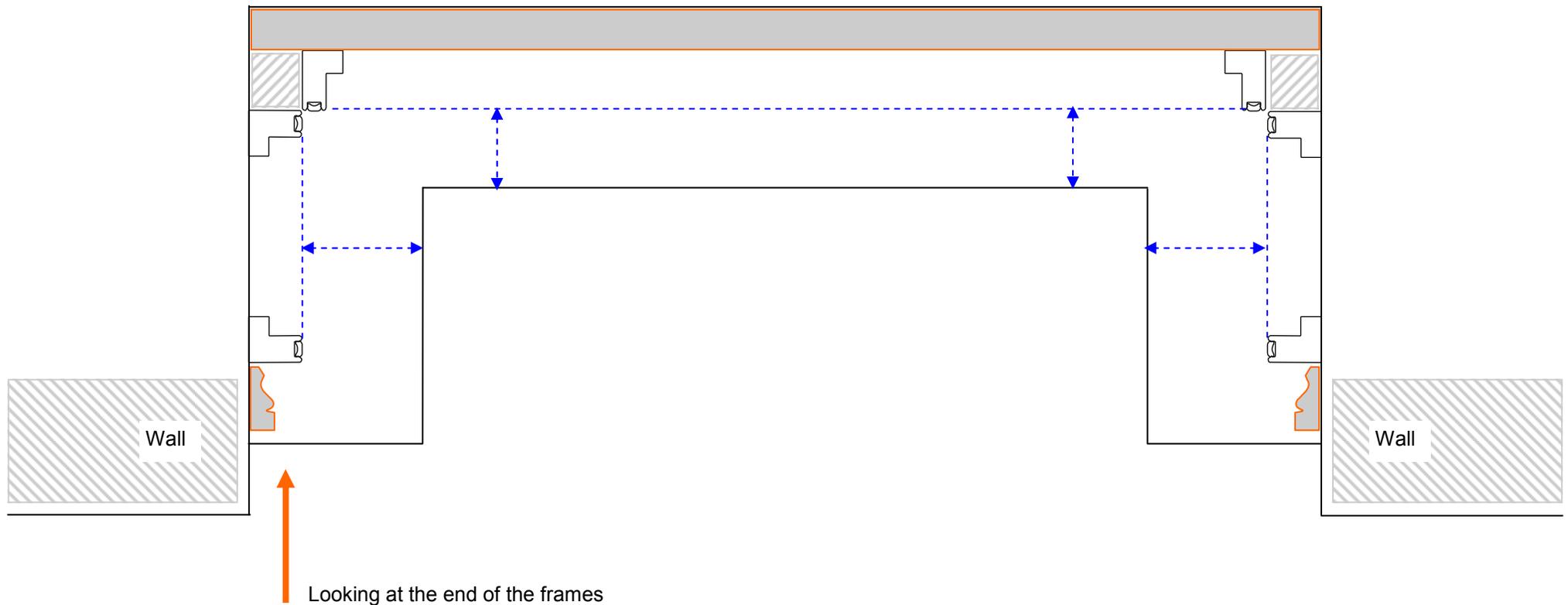
- No side recess
- Limited space
- Side architrave

Side battens are can be optional.

#### Off set

Note, no side battens will mean the shutters will be off set further at the sides than front.

Plan View



## 8.4: Battens

### Batten survey form

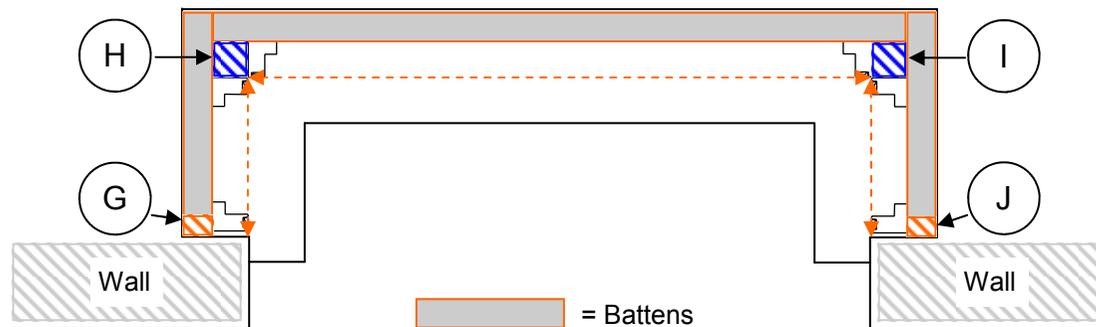
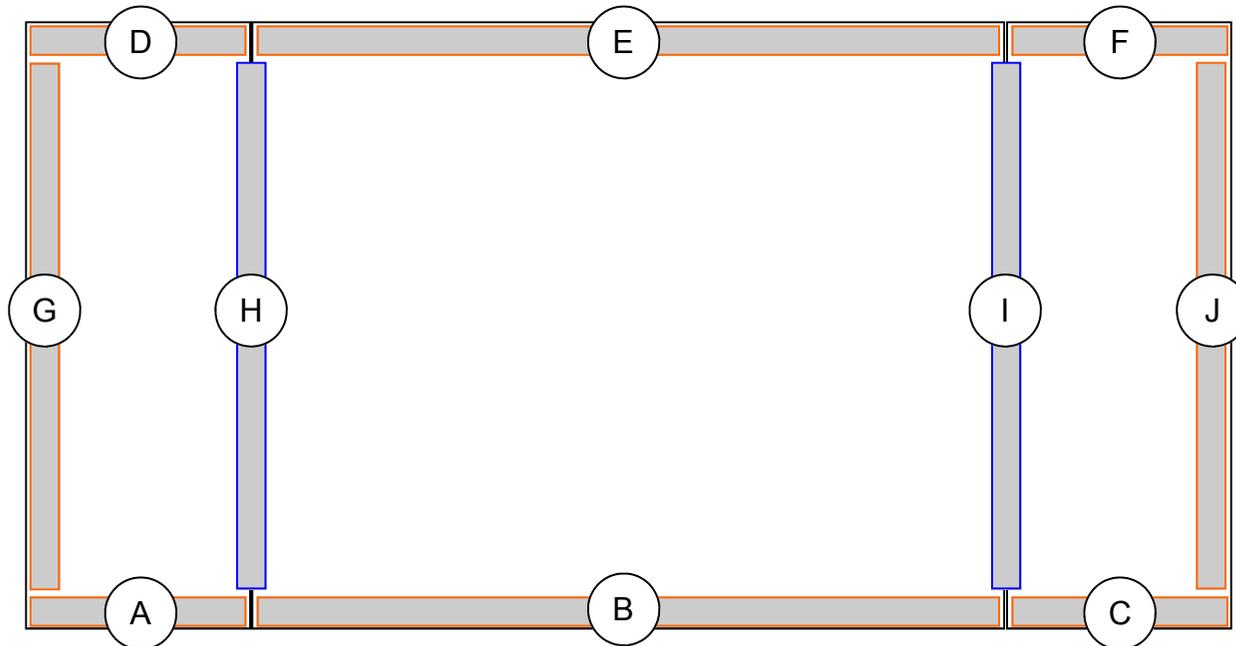
Enter your square bay batten sizes on this survey sheet.

Standard battens are 30 x 40mm.  
Corner posts are 40 x 40mm.

Corner posts should be ordered the same height as your shutter frames.

This table shows the 10 battens required for this style bay window.

### MEASURING: BATTEN SURVEY FORM



Batten details	Width	Depth	Length
A. Left side bottom			
B. Centre bottom			
C. Right side bottom			
D. Left side top			
E. Centre top			
F. Right side top			
G. Left upright			
H. Left corner post			
I. Right corner post			
J. Right upright			

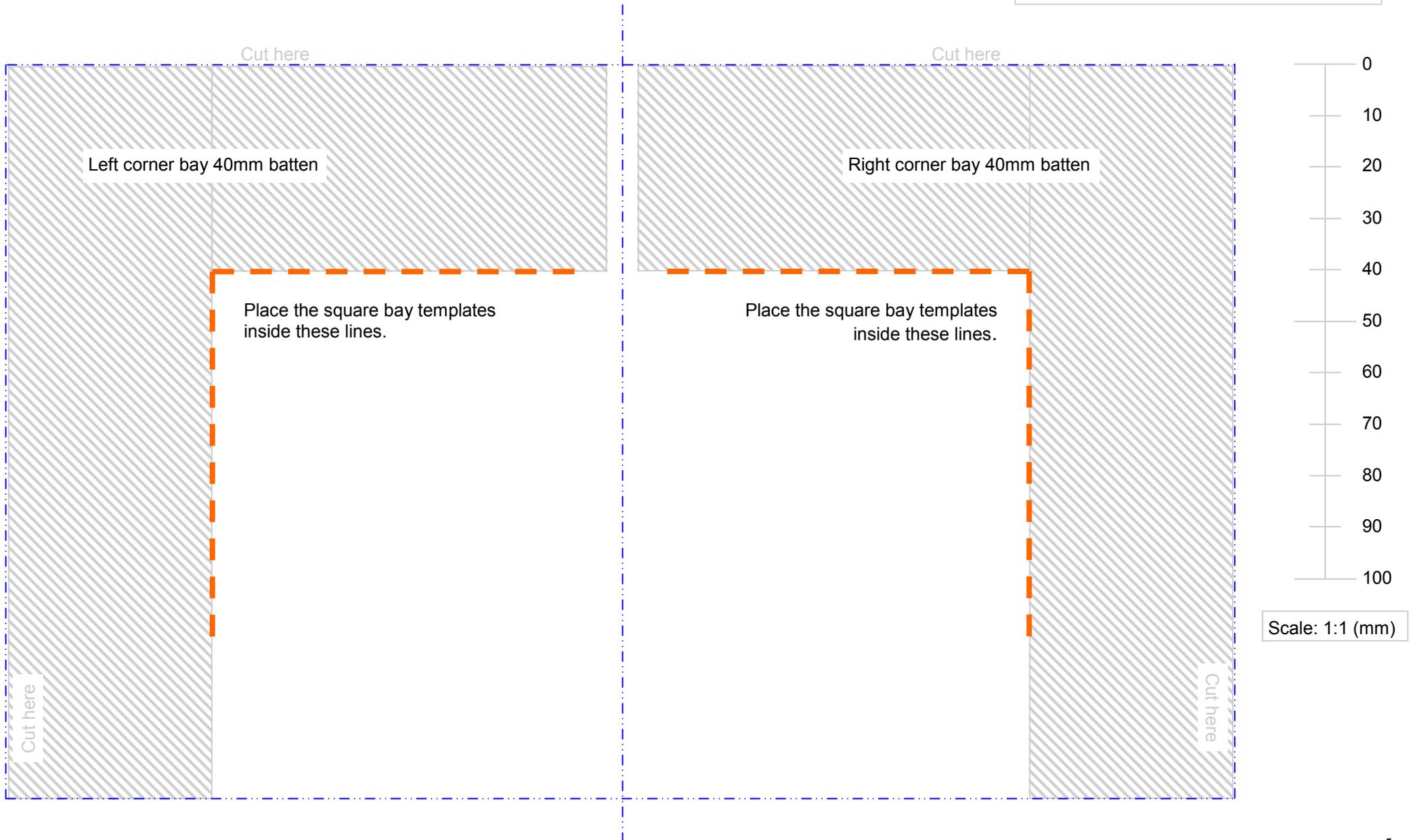
**'Double check your measuring'**

## 8.4: Battens

This template can be cut out and used as a guide.

**Please check it's printed to scale before use!**

### MEASURING: 40MM BATTEN CORNER TEMPLATE

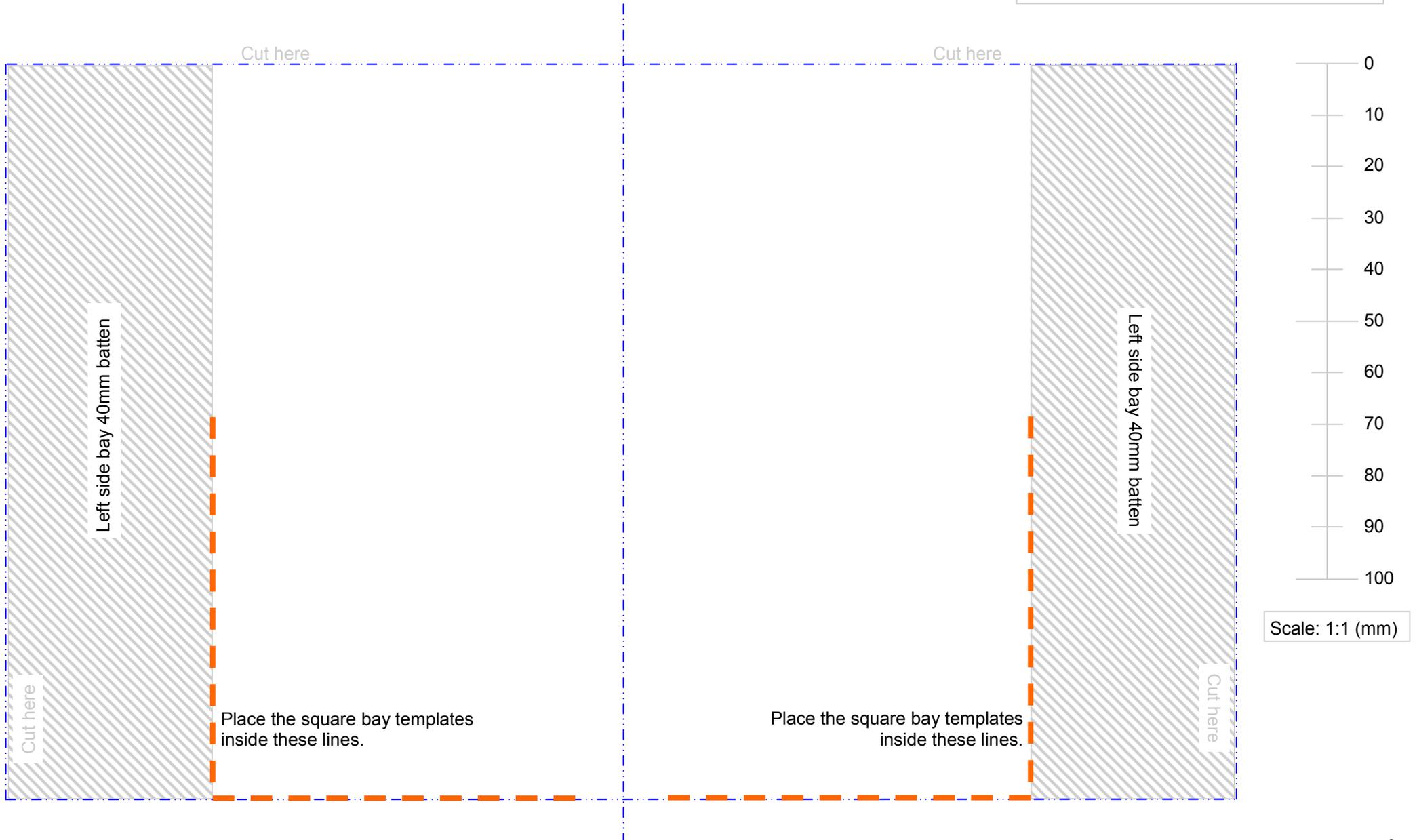


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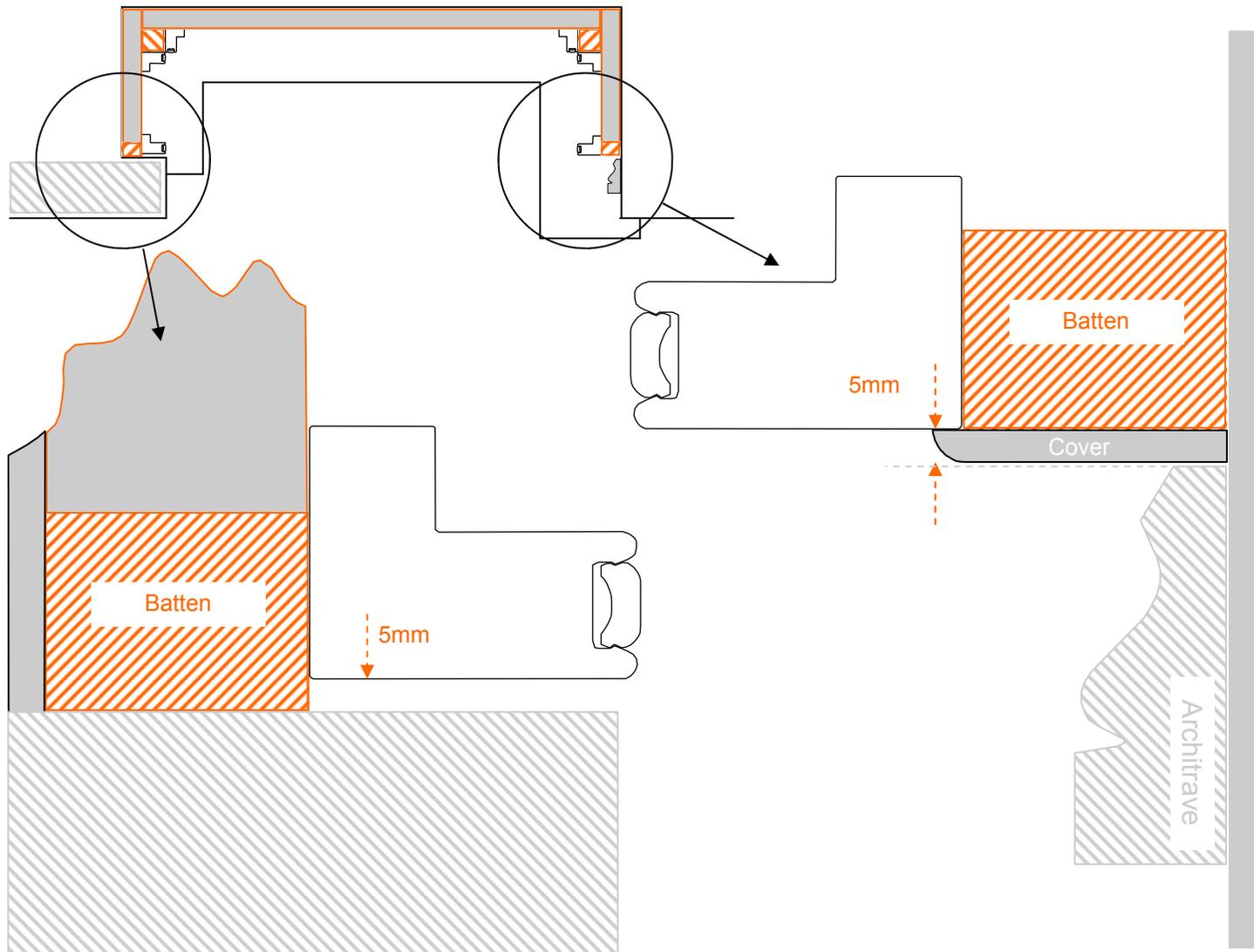
This template can be cut out and used as a guide.

**Please check it's printed to scale before use!**

### MEASURING: 40MM BATTEN SIDE TEMPLATE



## MEASURING: RECESS OR ARCHITRAVE SIDE CORNERS



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#### Recess or architrave sides?

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.

#### Cover batten

Where the batten meets the frame choose to fit a cover batten to hide the joint in the case of uneven windows.