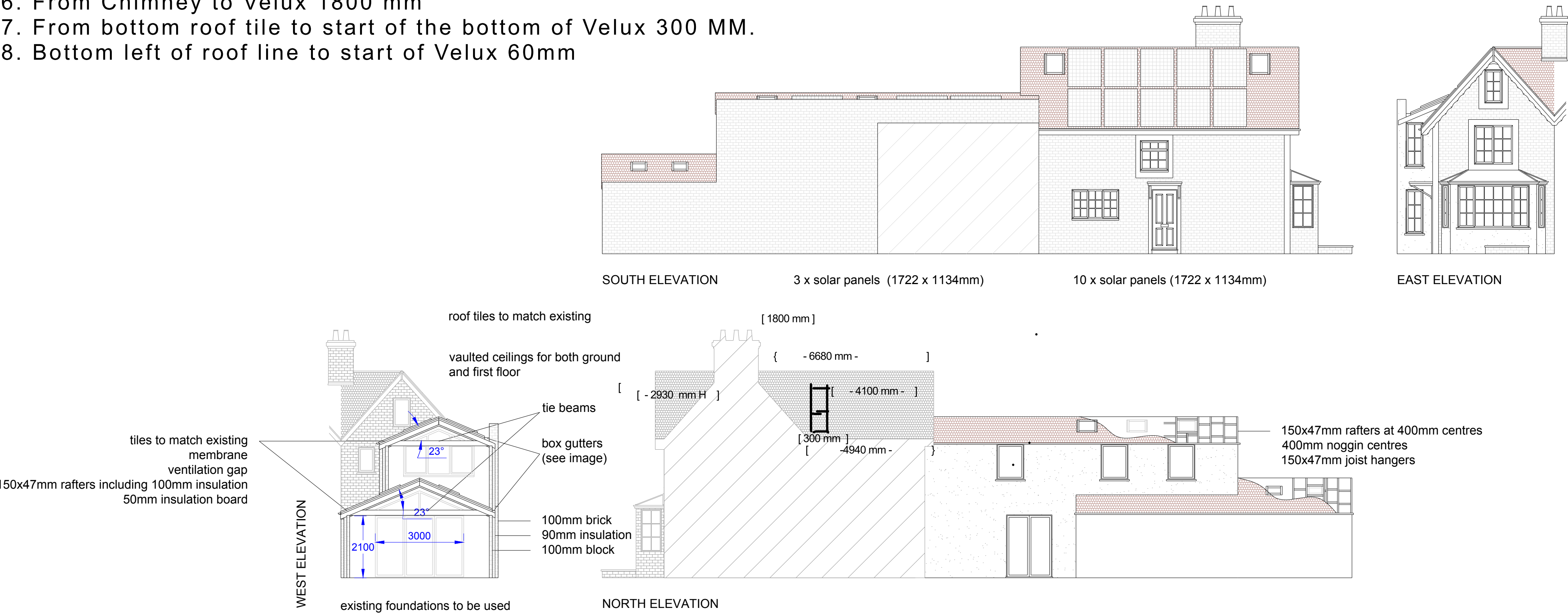


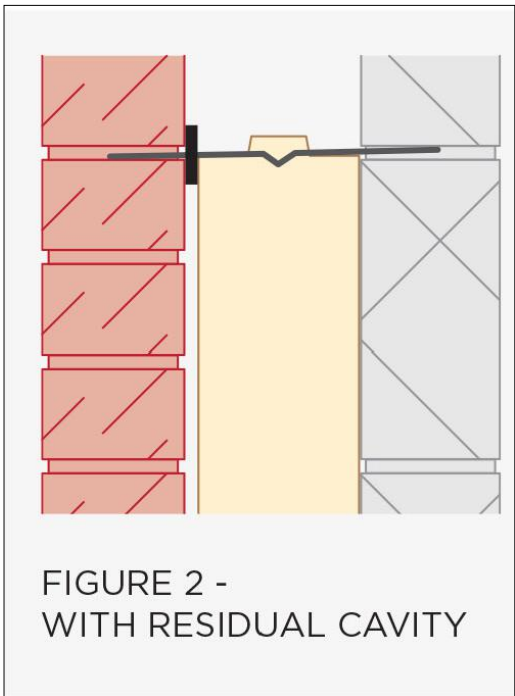
Roof measurements for Velux Window:

1. Top of Roof Length 6680 MM
2. Bottom Roof Length 4940 MM
3. From Velux to roof line 4110 MM
4. Roof Height to ridge 2930 MM
5. Velux Size - W 780 by 1960 H
6. From Chimney to Velux 1800 mm
7. From bottom roof tile to start of the bottom of Velux 300 MM.
8. Bottom left of roof line to start of Velux 60mm

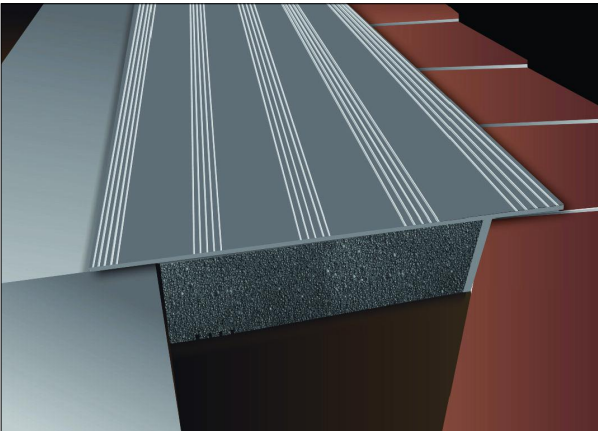


- WALL DETAIL
- cavity walls:
- brick exterior
 - full fill with Celotex Thermaclass cavity Wall 21 - 90mm
 - block interior

- ROOF DETAIL
- 50mm Ventilation Gap, Side & Ridge roof vents
 - 150mm x 47mm timbers, 400mm centres, noggins at 400mm centres
 - Joist hangers 150mm x 47mm
 - M10 Roofing Bolts for 150 x 47mm x 2 Roof Ridge Bolt 2 every 600mm.
 - Insulation: Celotex XR4000 100mm & 50mm Insulation board under the roof rafters (ceiling) U-Value = 0.15 W/m2K
 - Tie Beams x 2 200 x 47mm C24
 - Roof Plate 100mm x 50mm C16 tied down with Wall Ties every 600mm
 - Roof Ridge to go into existing rear wall by 150mm
 - Roof Rafter adjacent to existing wall to be bolted with M10 Bolts every 400mm.
 - Roof batten 25 x 38 over Roofing Breathable membrane. Distance based on Tile type chosen.
 - Roof Ridge beam 200x 50mm C24 x 2 bolted every 400mm (may require structural engineer sign off for building control)
 - Tie beams from roof plate to roof plate - 175x 50mm C24 timber



Full fill insulation image (courtesy of Celotex)



Cavity closure tray image (courtesy of wickes.co.uk)

-		Not to be scaled.
		Measurements to be taken on site.
NAME OF ORGANISATION		
AJW-CS		
JOB ARCHITECT		
JOB TITLE		
Kimberley High Street Handcross Haywards Heath West Sussex, RH17 6BJ		
DRAWING TITLE		
BUILDING REGS		
JOB NO.		DRAWING NO.
		BR 001
		REVISION.
		1 2 3
SCALE	DATE	DRAWN BY
1:100 A1	29/05/25	L MURR
		CHECKED BY