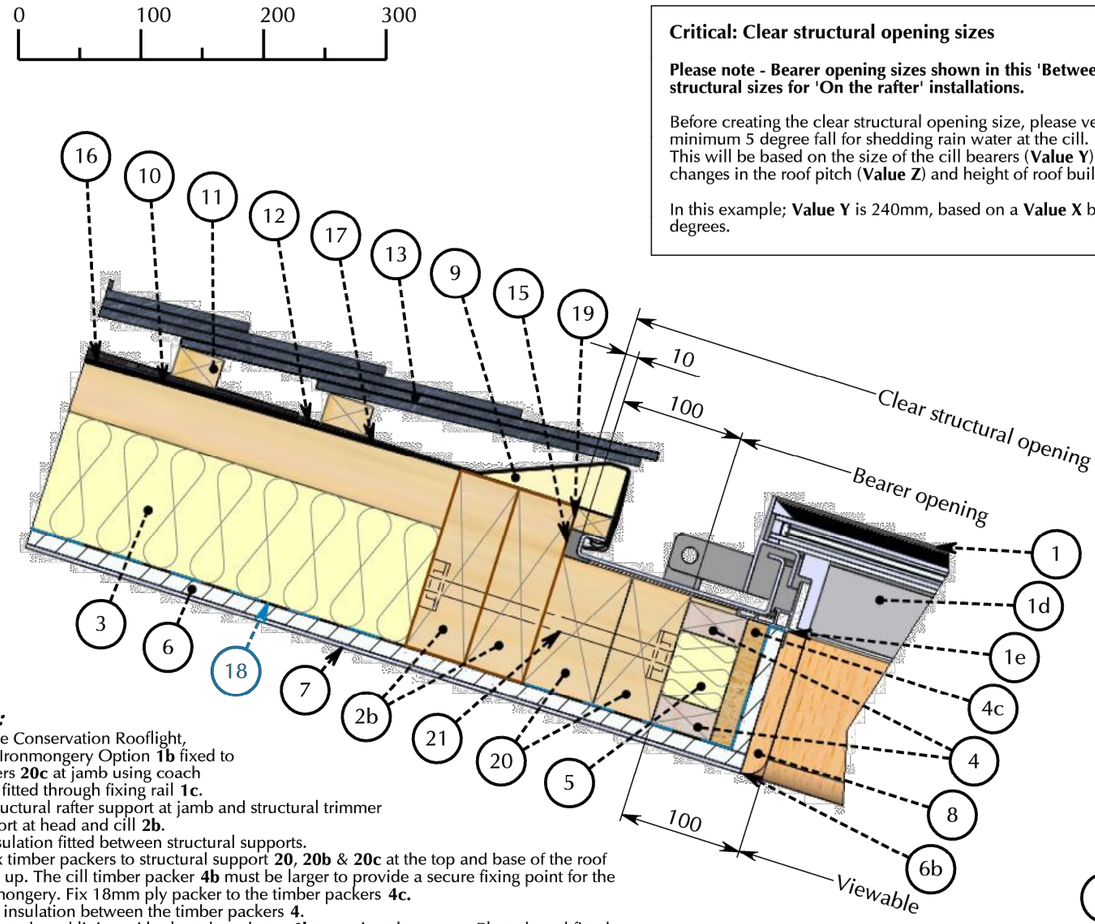
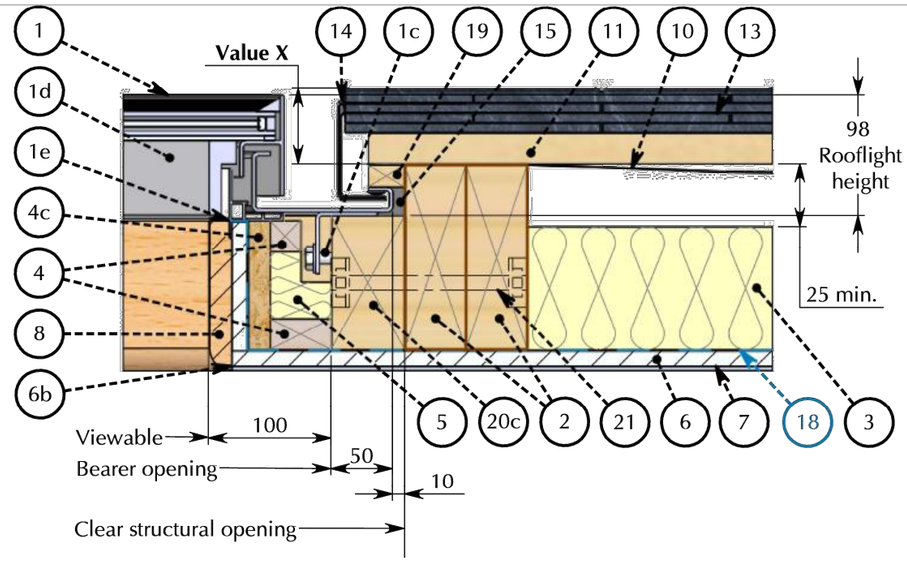


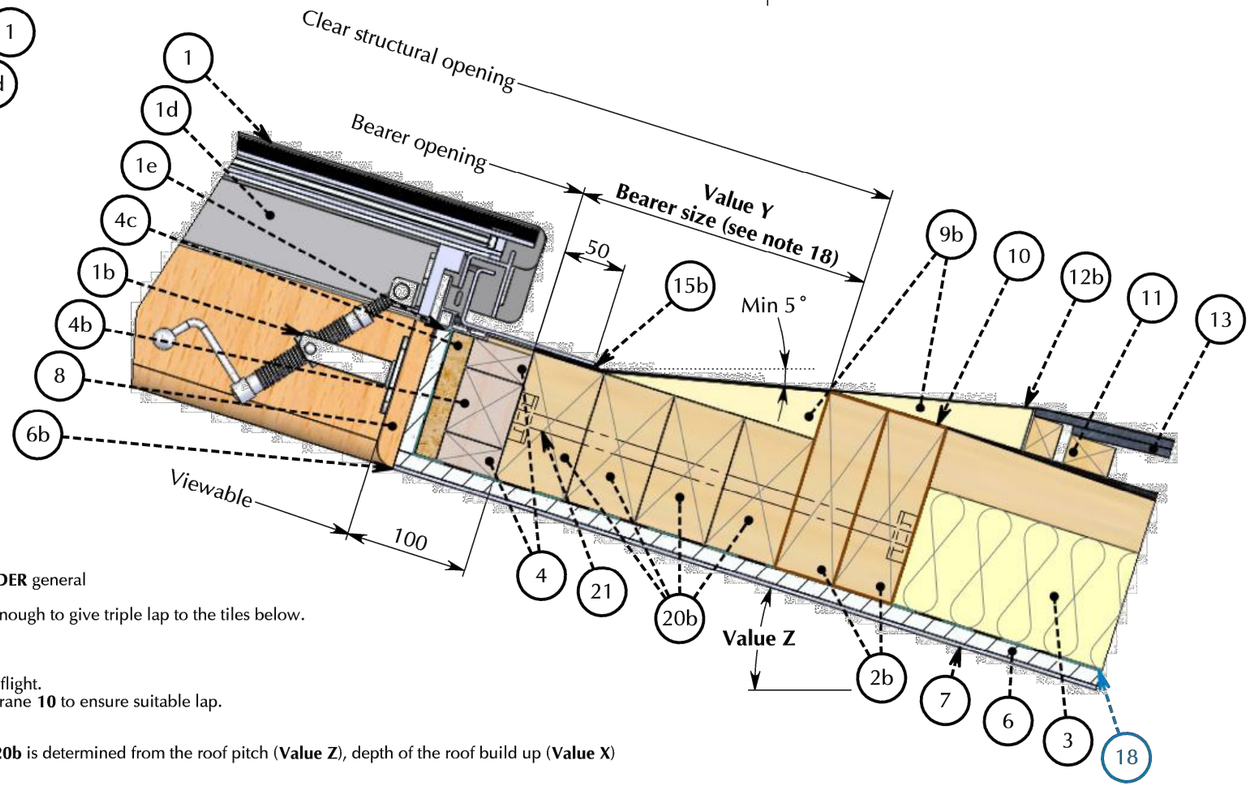
Critical: Clear structural opening sizes

Please note - Bearer opening sizes shown in this 'Between the rafter' detail are equal to structural sizes for 'On the rafter' installations.

Before creating the clear structural opening size, please verify that part **7b** will provide the minimum 5 degree fall for shedding rain water at the cill.
This will be based on the size of the cill bearers (**Value Y**) which will vary according to changes in the roof pitch (**Value Z**) and height of roof build up above the rafters (**Value X**).

In this example; **Value Y** is 240mm, based on a **Value X** being 60 and **Value Z** being 17.5 degrees.





Key:

1. The Conservation Rooflight, with Ironmongery Option **1b** fixed to bearers **20c** at jamb using coach bolts fitted through fixing rail **1c**.
2. Structural rafter support at jamb and structural trimmer support at head and cill **2b**.
3. Insulation fitted between structural supports.
4. Fix timber packers to structural support **20**, **20b** & **20c** at the top and base of the roof build up. The cill timber packer **4b** must be larger to provide a secure fixing point for the ironmongery. Fix 18mm ply packer to the timber packers **4c.**
5. Fit insulation between the timber packers **4**.
6. Plasterboard lining with plasterboard stop **6b** to project the corner. Plasterboard fitted behind the thermoliner of the rooflight **1e**.
7. Plaster skim
8. Timber reveal to align with rooflight linings **1d** to provide 'frameless' internal appearance.
Rooflight linings **1d MUST BE PAINTED** with a timber finishing paint once the rooflight is installed to ensure longevity of this component.
If the linings **1d** have been factory painted, they do not require an additional paint finish. Please refer to label attached to roof window.
9. Head hardwood tilting fillet.
9b. Cill hardwood tilting fillets - to provide minimum 5 degree fall for shedding rain water.
10 & 16. Line of breathable membrane.Roofing membrane must be allowed to 'sag'between rafters
11. Softwood battens.
12. Code 3 (consider using code 4 and clipping down roof tiles in severer exposures) lead flashing at head. Carry flashing up the roof and lap **UNDER** general roofing membrane **10**, **16** and **UNDER** head membrane **17**.
12b. Code 4 (consider clipping flashing and roof tiles down in severer exposures) lead flashing at cill over tilting fillet **9b**. Make the flashing long enough to give triple lap to the tiles below.
13. Roofing tiles.
14. Jamb flashing - lead soakers as shown (or mortar bed).
15. Perimeter silicone seal. Seal perimeter of rooflight **1 JUST PRIOR TO** installation of the rooflight using a thick continuous bead of low modulus neutral cure silicone sealant. Ensure sealant to cill **15b** is located in a position where it will be covered by the cill flange of the rooflight.
17. Roofing membrane to rooflight head. Dress **UNDER** general roofing membrane **16**, **UNDER** lead flashing **12** and **OVER** general roofing membrane **10** to ensure suitable lap.
18. Vapour barrier (Blue).
19. Softwood batten to be fitted after silicone seal **15** to offer support for tilting fillet **9** and flashings **10, 16** & **17**.
20. Bearers support the rooflight and transfer the load to the rafter **2** and trimmer **2b** structural support members. The size of cill bearers (**Value Y**) **20b** is determined from the roof pitch (**Value Z**), depth of the roof build up (**Value X**) and ensuring that the tilting fillets **9b** provide the minimum 5 degree fall.
21. Suggested fixings; Threaded rods to secure the bearers **20, 20b and 20c** to the structural support members **2**, **2b**.

Please Note:
These sectional details are provided as an installation suggestion. Due to the differing nature of installations we strongly advise you to consult your rooflight installer to verify fitness for purpose. structural proposal. Sufficiency of structural supports to be checked by rooflight purchaser's structural consultant.

PROJECT: CLARE GRICE	STATUS: PLANNING				
CLIENT: MOSS VILLA, CHAPEL LANE BRONINGTON, WHITCHURCH SHROPSHIRE. SY13 3HR	SCALE @ A3: 1:5	DRAWN BY: OH	CHKD BY: PF	DATE: 07.08.23	
DRAWING: THE CONSERVATION ROOFLIGHT FW04, FW06 & FW07 BETWEEN RAFTERS INSTALLATION	DRAWING No: SA47065 -BRY-XX - DT- A - 008 _ A			REVISION:	

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ORIGINATING OFFICE:

0 50 100 150 200 250
SCALE 1:5 mm

SCALE BAR & NORTH POINT:

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OS MAPPING OBTAINED FROM PROMAP LICENCE No. 100022432 REPRODUCED BY BERRYS UNDER OS LICENCE No. 100003668

DISCLAIMER NOTES:

REV	DESCRIPTION	DATE	BY	CHKD
A	Amend title block to show window reference numbers	14.07.26	OH	PF