

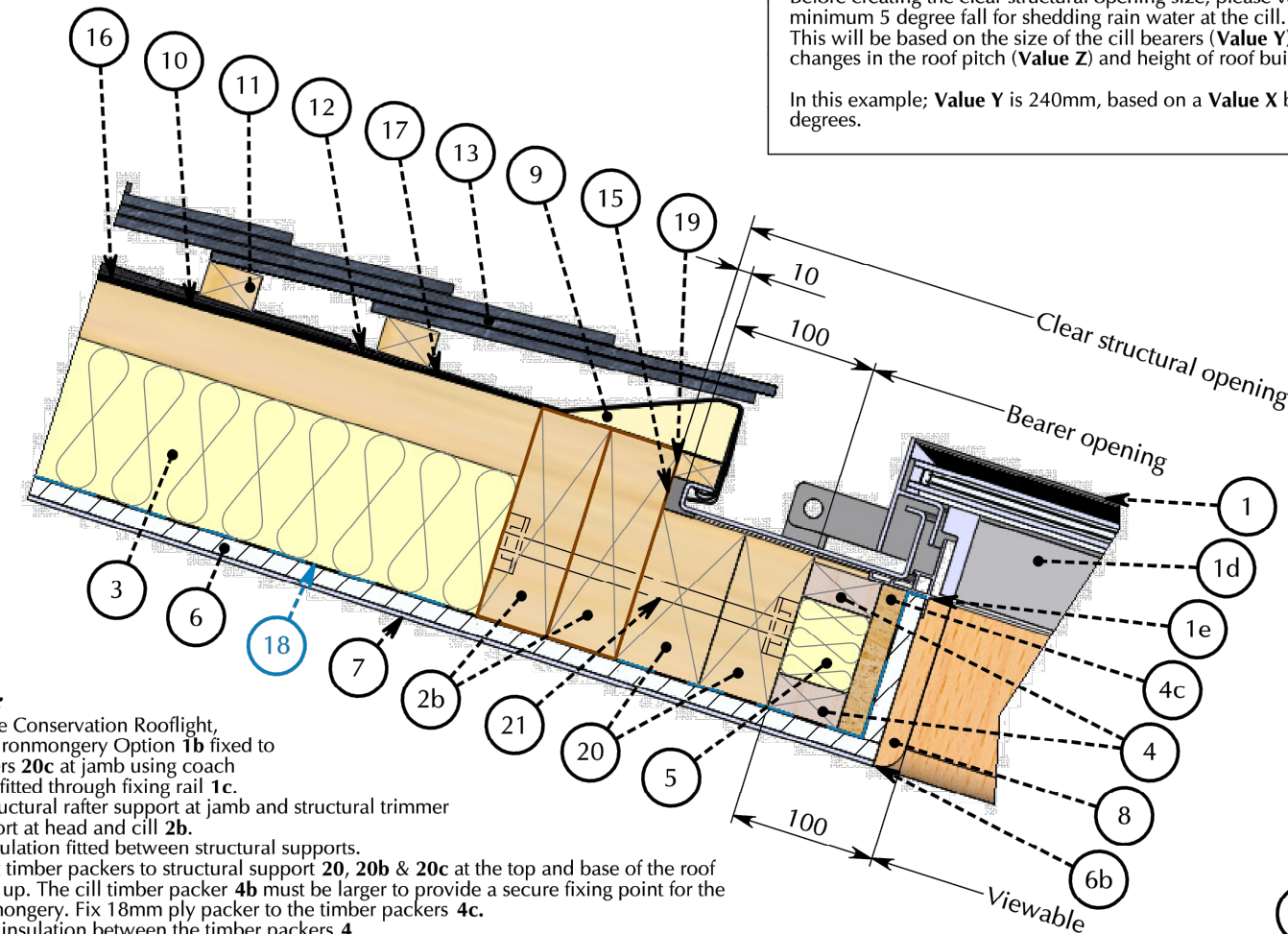


Critical: Clear structural opening sizes

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.

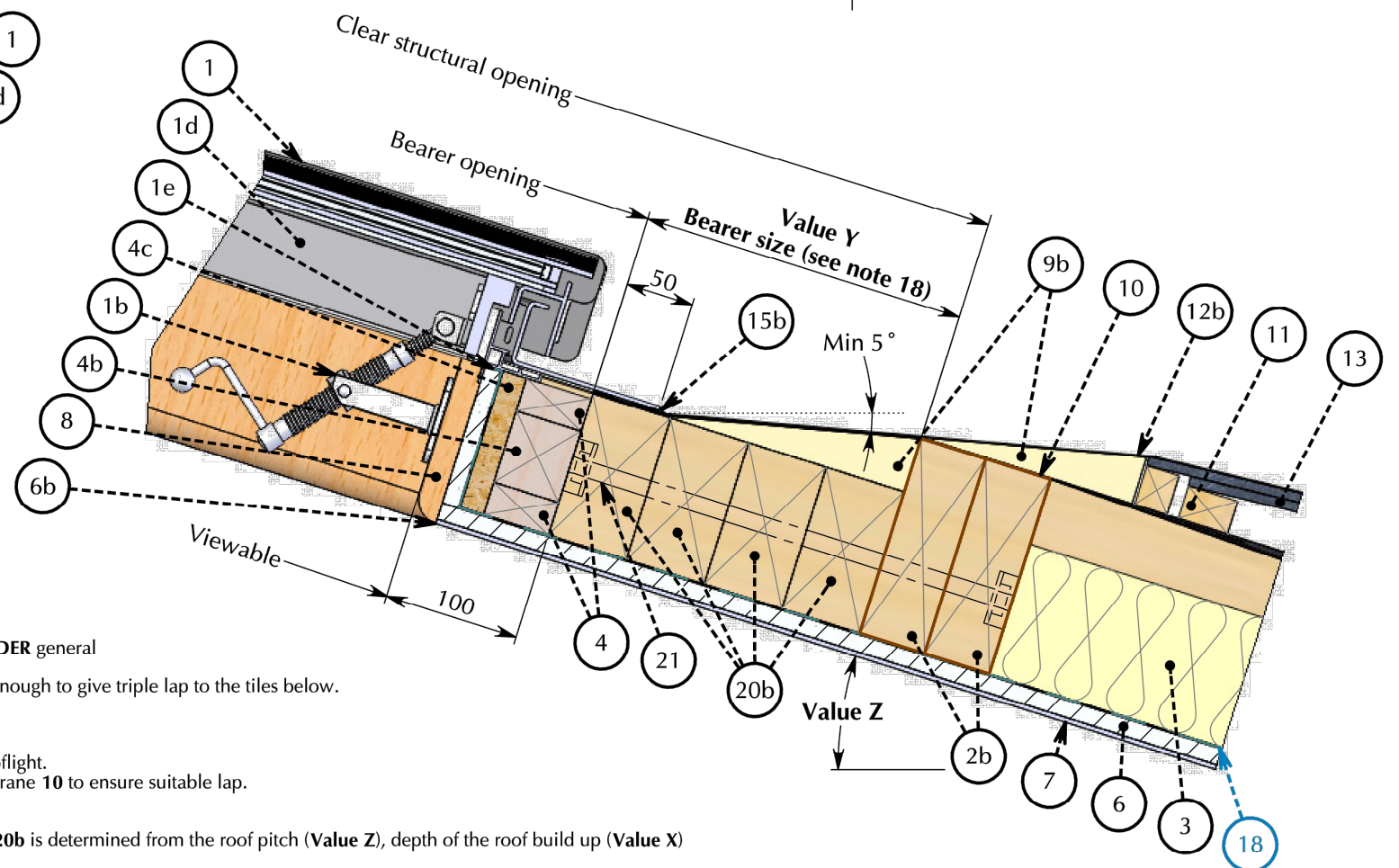
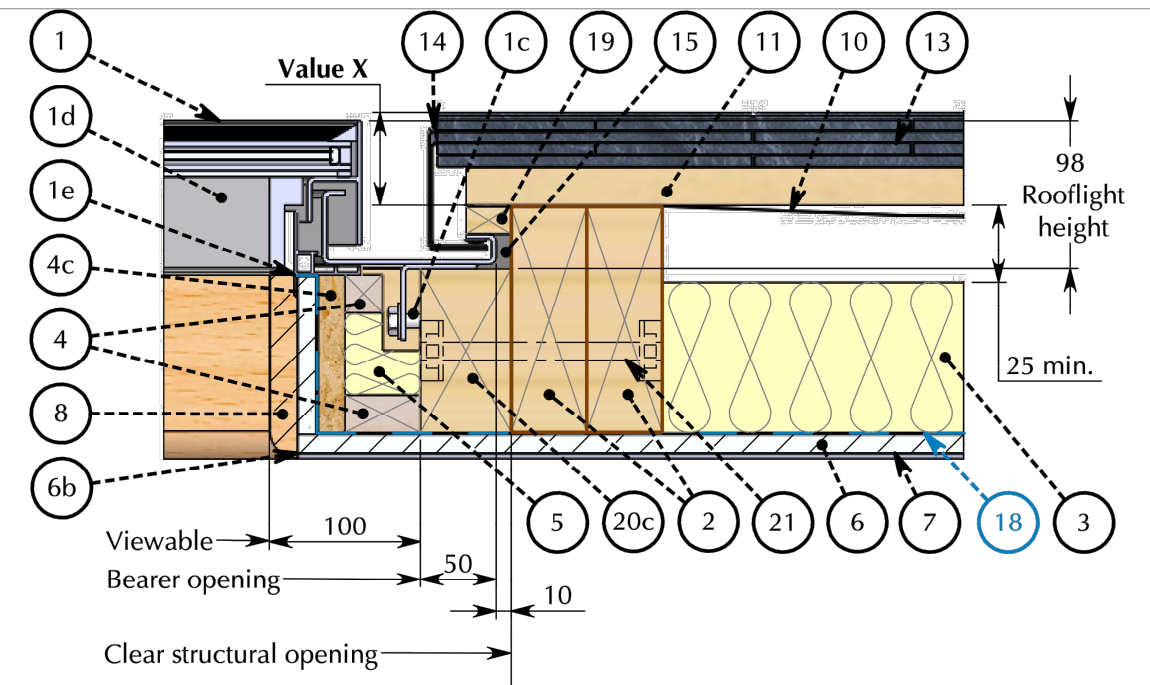


Key:

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
DRAWING:	THE CONSERVATION ROOFLIGHT PROPOSED BATHROOM BETWEEN RAFTERS INSTALLATION	DRAWN BY:	OH
		CHKD BY:	PF
		DATE:	07.08.23
		REVISION:	
		SA47065 -BRY-XX -DT- A - 008 _	

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