

**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.

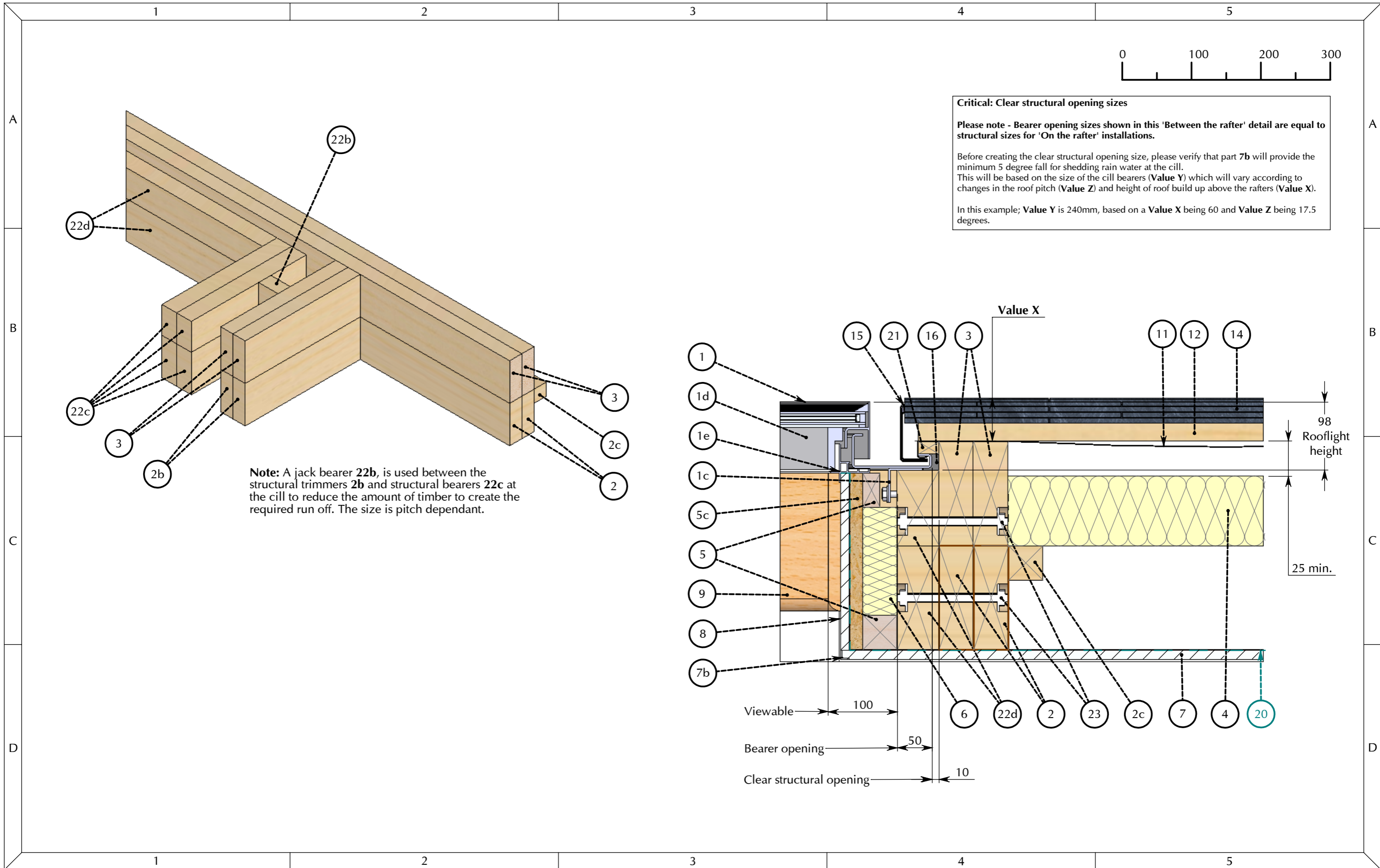
This will be based on the size of the cill bearers (Value Y) which will vary according to changes in the roof pitch (Value Z) and height of roof build up above the rafters (Value X).

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 22d 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. Batten bearer for insulation 2c.
  3. Timber bearer fixed on top of structural supports.
  4. Insulation fitted on top of structural supports 2 & 2b.
  5. Fix timber packers to structural support 22, 22c & 22d at the top and base of the roof build up. The cill timber packer 5b must be larger to provide a secure fixing point for the ironmongery. Fix 18mm ply packer to the timber packers 5c.
  6. Fit insulation between the timber packers 5.
  7. Plasterboard lining with plasterboard stop 7b to project the corner. Plasterboard fitted behind the thermoliner of the rooflight 1e.
  8. Plaster skim
  9. 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.
  10. Head hardwood tilting fillet.
  - 10b. Cill hardwood tilting fillets - to provide minimum 5 degree fall for shedding rain water.
  - 11 & 17. Line of breathable membrane. Roofing membrane must be allowed to 'sag' between rafters
  12. Softwood battens.
  13. 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 11, 17 and UNDER head membrane 18.
  - 13b. Code 4 (consider clipping flashing and roof tiles down in severer exposures) lead flashing at cill over tilting fillet 10b. Make the flashing long enough to give triple lap to the tiles below.
  14. Roofing tiles.
  15. Jamb flashing - lead soakers as shown (or mortar bed).
  16. 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 16b is located in a position where it will be covered by the cill flange of the rooflight.
  18. Roofing membrane to rooflight head. Dress UNDER general roofing membrane 17, UNDER lead flashing 13 and OVER general roofing membrane 11 to ensure suitable lap.
  19. Counter batten.
  20. Vapour barrier (Blue).
  21. Softwood batten to be fitted after silicone seal 16 to offer support for tilting fillet 10 and flashings 11, 17 & 18.
  22. Structural bearers support the rooflight and transfer the load to the rafter 2 and trimmer 2b structural support members. Jack bearers 22b are used at the cill to allow insulation infill 24. The size of cill bearers (Value Y) 22c is determined from the roof pitch (Value Z), depth of the roof build up (Value X) and ensuring that the tilting fillets 10b provide the minimum 5 degree fall.
  23. Suggested fixings; Threaded rods to secure the bearers 22, 22c and 22d to the structural support members 2, 2b.
  24. Insulation fitted between the jack bearers.

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. This drawing does not constitute a structural proposal. Sufficiency of structural supports to be checked by rooflight purchaser's structural consultant.

<b>TITLE :</b> <b>The Original Conservation Rooflight®</b> > A roof window range suitable for pitched roofs between 17.5° and 65°  Warm Roof   Slate   Lead Soakers 'Flush Slate' installation detail	<b>DWG NO. :</b> CR_WRSF_LS_B	<b>SHEET NO. :</b> 1 OF 1	<b>REVISION:</b>	<b>B</b> Updates to formatting. DB: EH CB: PD	<b>THE ROOFLIGHT CO.</b> COTSWOLDS  The Rooflight Co is a trading name of The Metal Window Company Limited - Company No. 2881879. All information contained within this drawing is copyright © and design right of The Metal Window Company Limited. The intellectual property rights of the products detailed within this drawing and embedded 3D models are owned by The Metal Window Company Limited.
	<b>SCALE :</b> 1:5 @ A3	<b>DATE :</b> 19/07/2023	<b>w:</b> www.therooflightco.com		
This is a suggested installation detail which may not be exactly applicable to all situations and constructions. It is not a detailed or constructional proposal. Installers and designers are advised to check their own details for compliance with all currently applicable Local Authority by-laws, Acts of Parliament and British / ISO standards.					



**TITLE :**  
**The Conservation Rooflight®**  
 > A roof window range suitable for pitched roofs between 17.5° and 65°  
 > Detail applicable ONLY to rooflight models with integral casement timber linings  
**Warm Roof | Slate Tile | Lead Soakers**  
**'Between the rafter' installation detail**

<b>DWG NO. :</b> CR_WRSF_LS_A	<b>SHEET NO. :</b> 2 OF 2
<b>SCALE :</b> 1:5 @ A3 DO NOT SCALE	<b>DATE :</b> 24/07/2014
This is a suggested installation detail which may not be exactly applicable to all situations and constructions. It is not a detailed or constructional proposal. Installers and designers are advised to check their own details for compliance with all currently applicable Local Authority by-laws, Acts of Parliament and British / ISO standards.	

**REVISION:**  
**A**  
 New at first issue  
 DB: EH CB: PD

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