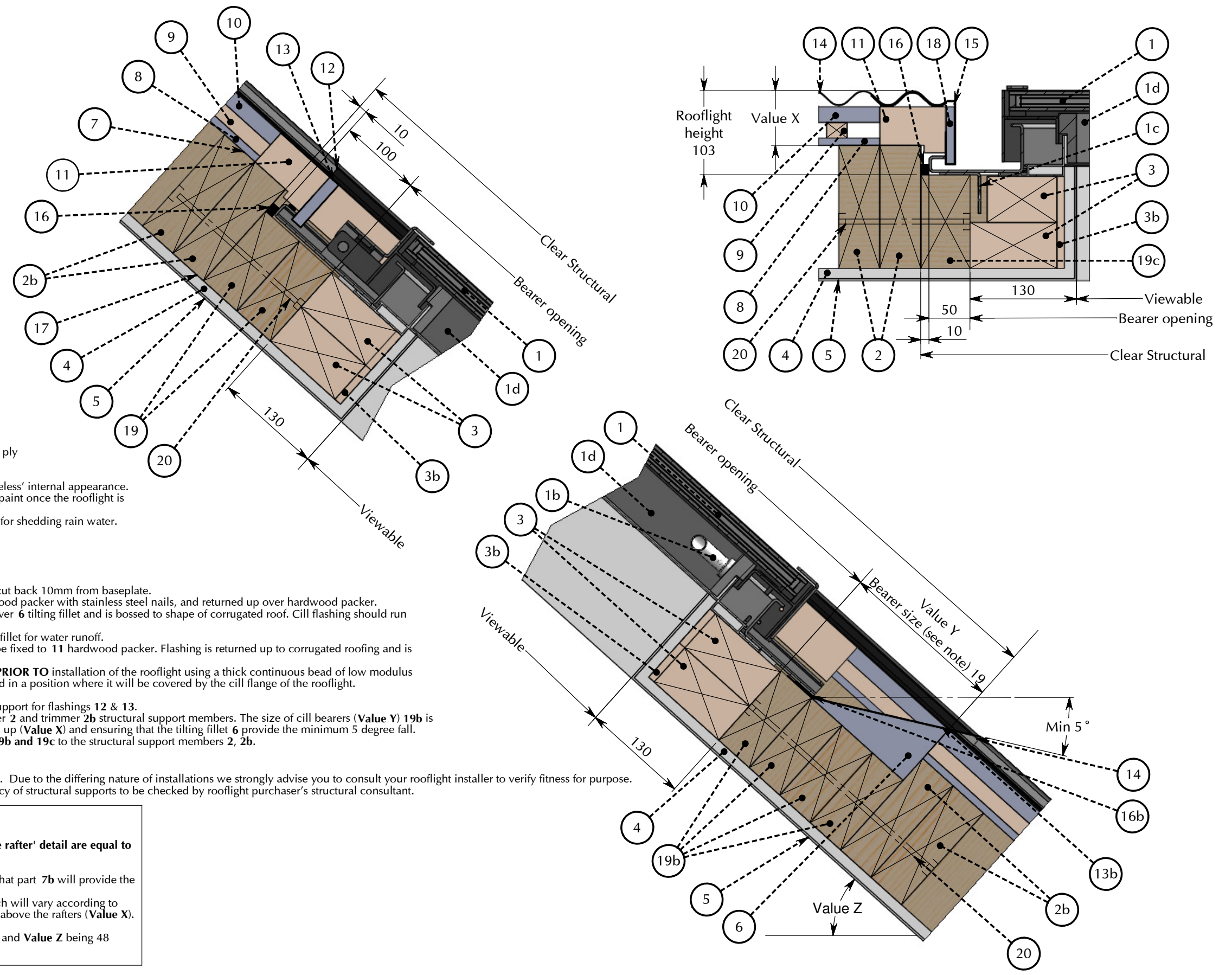


# neo-Steel Rooflight



**Key:**

1. The neo-steel Rooflight, with Manual opening option **1b** fixed to bearers **19c** 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. Timber packers fixed to bearers **19, 19b, 19c** with 9mm WBP ply spacer **3b** to which plasterboard / timber lining is fixed.
4. Plasterboard lining.
5. Plaster skim 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.
6. Cill hardwood tilting fillet - to provide minimum 5 degree fall for shedding rain water.
7. Line of general roofing membrane.
8. Oriented strand board.
9. Counterbattens.
10. Battens.
11. Hardwood packer - to act as fixing point for lead flashing.
12. Corrugated eaves filler installed over **13** head flashing, and cut back 10mm from baseplate.
13. Code 4 lead flashing at head. Welded and fixed to **11** hardwood packer with stainless steel nails, and returned up over hardwood packer.
- 13b. Code 4 lead flashing at cill. Led out from under rooflight, over **6** tilting fillet and is bossed to shape of corrugated roof. Cill flashing should run approximately 150mm down the roof.
14. Corrugated roofing. At cill, roofing is angled to suit **6** tilting fillet for water runoff.
15. Code 4 jamb flashing. Welded around stainless steel bar, to be fixed to **11** hardwood packer. Flashing is returned up to corrugated roofing and is sandwiched between two layers of corrugated roofing.
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.
17. Vapour barrier.
18. Stainless steel bar to be fitted after silicone seal **16** to offer support for flashings **12** & **13**.
19. 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**) **19b** is determined from the roof pitch (**Value Z**), depth of the roof build up (**Value X**) and ensuring that the tilting fillet **6** provide the minimum 5 degree fall.
20. Suggested fixings; Threaded rods to secure the bearers **19, 19b** and **19c** 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. This drawing does not constitute a structural proposal. Sufficiency of structural supports to be checked by rooflight purchaser's structural consultant.

**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**).

For example; **Value Y** is 150mm, based on a **Value X** being 67 and **Value Z** being 48 degrees.

<p><b>TITLE:</b></p> <h2 style="margin: 0;">Neo Rooflight®</h2> <p style="font-size: small;">&gt; A roof window range suitable for pitched roofs between 20° and 60°</p> <p style="margin-top: 10px;"><b>Cold Roof   Corrugated   'Flush' installation detail</b></p>	<p>DWG NO. : E2564_001INST_B</p> <p>SCALE : 1:5 @ A3</p>	<p>SHEET NO. : 1 OF 1</p> <p>DATE : 19/07/2023</p>	<p>REVISION:</p> <p style="font-size: 2em; font-weight: bold; text-align: center;">B</p> <p style="font-size: x-small; text-align: center;">Updates to formatting.</p> <p style="font-size: x-small; text-align: center;">DB: EH CB: PD</p>	<p style="font-size: x-small;">THE</p> <h1 style="margin: 0;">ROOFLIGHT CO.</h1> <p style="font-size: x-small;">COTSWOLDS</p> <p style="font-size: x-small; margin-top: 10px;">w: www.therooflightco.com    t: 01993 833 108    e: hello@therooflightco.com</p>
	<p>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.</p>			<p>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.</p>