



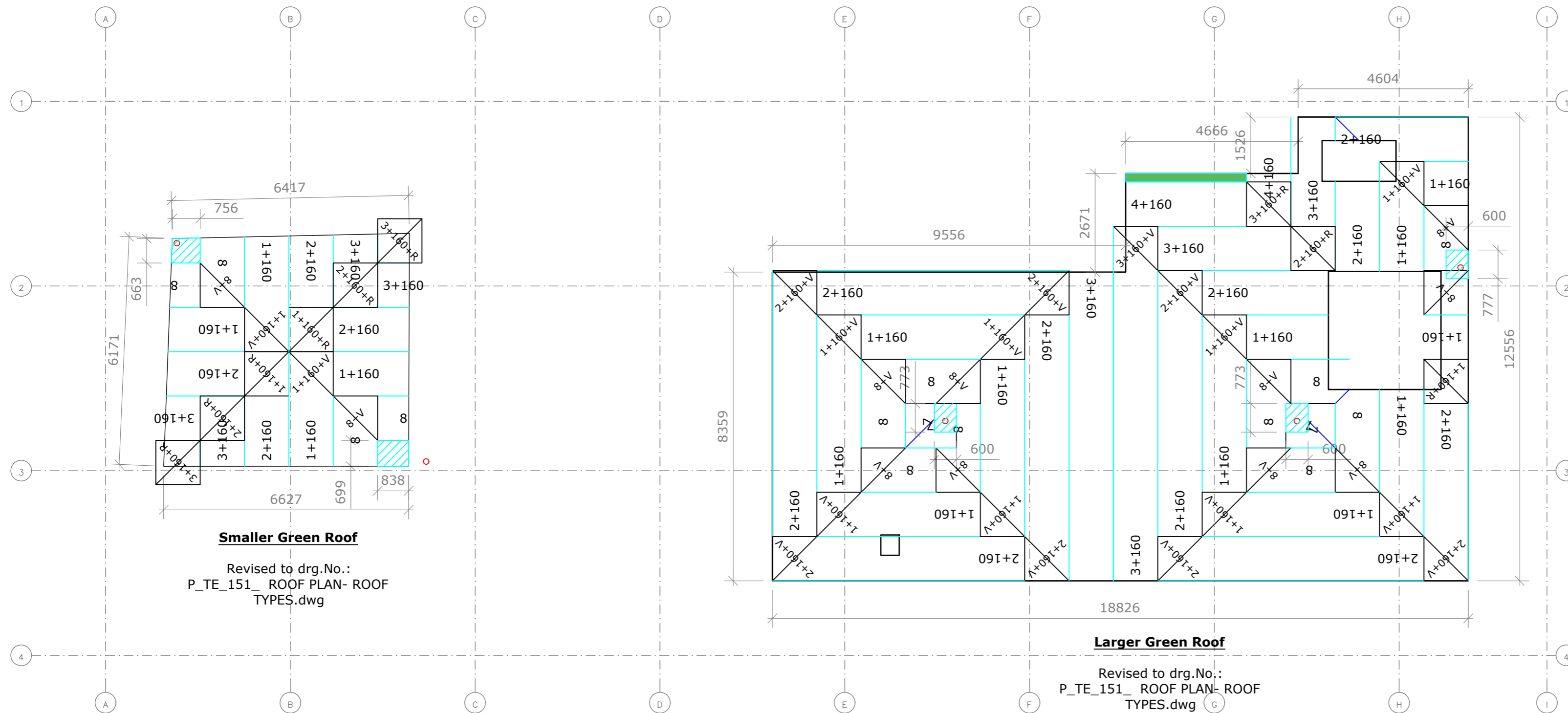


**Key:**

-  = 100mm FA-TE Flatboard - NO Baselayer
-  = 160mm + 120mm FA-TE Flatboard (Total 280mm)
-  = Boards chamfered on-site to form valleys
-  = Tapered Insulation

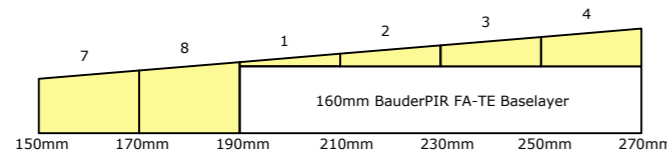


**Smaller Green Roof**  
Revised to drg.No.:  
P\_TE\_151\_ ROOF PLAN- ROOF  
TYPES.dwg

**Larger Green Roof**  
Revised to drg.No.:  
P\_TE\_151\_ ROOF PLAN- ROOF  
TYPES.dwg

**1:60 BauderPIR FA G16 Tapered Boards (1200mm x 1200mm)**

- Start Laying Scheme at high point
- BauderPIR KFS (Valley Filling)
- BauderPIR GFS (Ridge Filling)

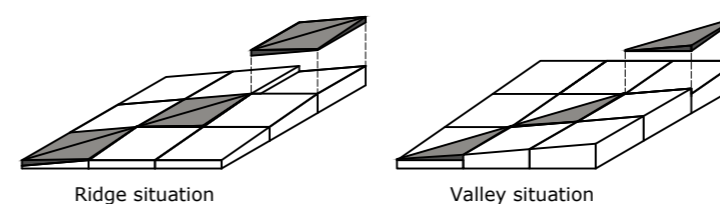


**NOTE REGARDING U-VALUES**

The individual roof areas achieve the 'U' Values stated in the table. These U-Values are calculated according to BS EN ISO 6946:2017(E) Annex 'E' and do not take into account materials below the deck, significant point thermal bridges or linear transmittance unless specified otherwise. Refer to separate Bauder U-Value Calculation and Condensation Risk analysis where available for the complete system build-up and achieved U-Value.

Roof Name Area:	Deck Type	Minimum U' Value	Effective U' Value	Approximate Net Roof Area (m <sup>2</sup> )	Approximate Area of Insulation to be Bonded (m <sup>2</sup> )	Total Insulation Required Inc Waste (m <sup>2</sup> )
Smaller Green Roof	Assumed Concrete	0.21 W/m <sup>2</sup> K	0.11 W/m <sup>2</sup> K	40.65	88.53	91.44
Larger Green Roof	Assumed Concrete	0.21 W/m <sup>2</sup> K	0.10 W/m <sup>2</sup> K	176.94	358.64	362.16

**Important Notice:**  
This scheme is of a **MULTI-LAYER Design** and as such extra Insulation Adhesive will be Required to Adhere the Taper Boards to the Base Layer/Overlay Layer.



**INSTALLATION NOTES:**

1. This drawing assumes a level deck unless otherwise stated. BAUDER tapered systems are designed for installation on level decks.
2. BAUDER LTD recommend that this scheme should be installed starting from the thickest boards, so that in the event of discrepancies in roof size, the flatboard areas can be modified accordingly.
3. Boards to be close butted and staggered. Upstands to perimeters, rooflights, tank houses etc, to be raised where necessary to incorporate the thickness of the insulation.
4. Mitre Boards are available in all falls. They are denoted on this plan by an "R" or a "V" to signify Ridge and Valley. The corner of the board marked "R" or "V" is where the high point of the board should be located.

5. Please note that all offcuts of tapered insulation boards should be used within the scheme. These are not deemed as waste boards by Bauder.

**NOTES:**

Although this tapered insulation scheme is designed to help shed water from the roof, we cannot guarantee that ponding will be totally eliminated.

Please note that ponding water may occur around the flatboard gutter area due to a lack of cross falls. However this is not detrimental to the Bauder system

All Dimensions, positions of Rooflights and Outlets are to be checked on site BEFORE the tapered scheme is ordered.

Rev	Date	Description	Drawn By
A	09.09.24	Outlet position changed	ZN



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This scheme design should be checked against all project related drawings and site requirements. Bauder Ltd should be notified immediately of any discrepancies.

The placement of an order for this scheme design confirms that you are not aware of any design changes to the roof area(s) concerned and approve the scheme as designed. Following this approval, should any amendments be necessary or the installation deviates from the designed scheme, such changes may be subject to further costs and time for replacements.

Contract Name:  
Oak Hill Park, 4  
NW3 7LG  
LONDON

MULTI-LAYER BauderPIR FA G16 TAPER SCHEME	
Contract No:	B235536
Drawing No:	LTF-001
Designed to Drawing No:	G402 Roof Plan (1)
Scale:	1:100 @ A2
Drawn By:	OTR
Date:	23/11/2023