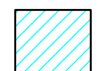



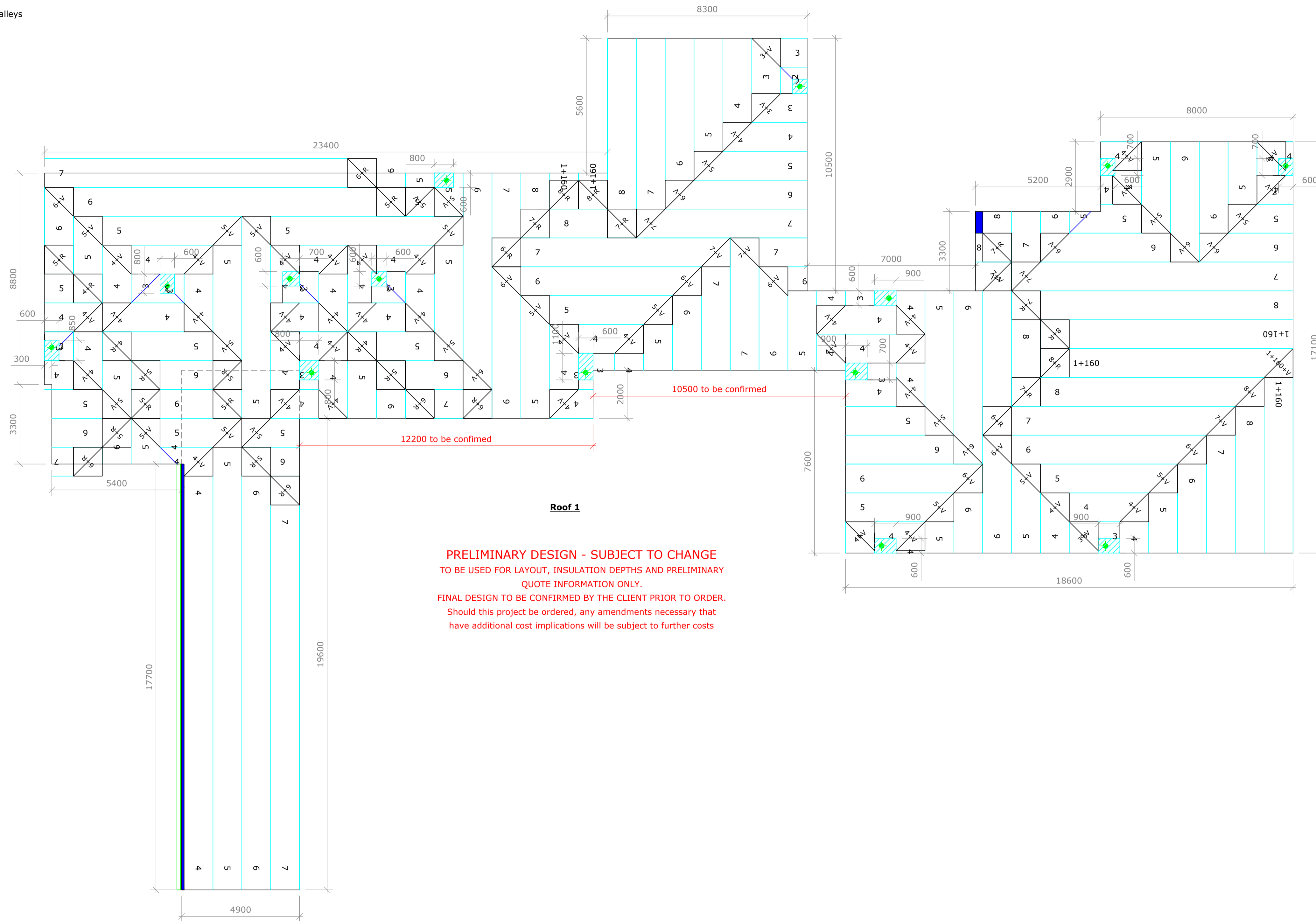


Key:

-  = 60mm FA-TE Flatboard - NO Baselayer
-  = Suitable Insulation Infill
-  = Outlet
-  = Boards chamfered on-site to form valleys
-  = Tapered Insulation

NOTE:
ALL roof dimensions, rooflights and outlet positions to be checked **BEFORE** the Tapered scheme is ordered



Roof 1

PRELIMINARY DESIGN - SUBJECT TO CHANGE
TO BE USED FOR LAYOUT, INSULATION DEPTHS AND PRELIMINARY QUOTE INFORMATION ONLY.
FINAL DESIGN TO BE CONFIRMED BY THE CLIENT PRIOR TO ORDER.
Should this project be ordered, any amendments necessary that have additional cost implications will be subject to further costs

- INSTALLATION NOTES:**
1. Bauder tapered systems are designed for installation on level decks where No deflections or back-falls are present.
 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 offsets of tapered insulation boards should be used within the scheme. These are not deemed as waste boards by Bauder.

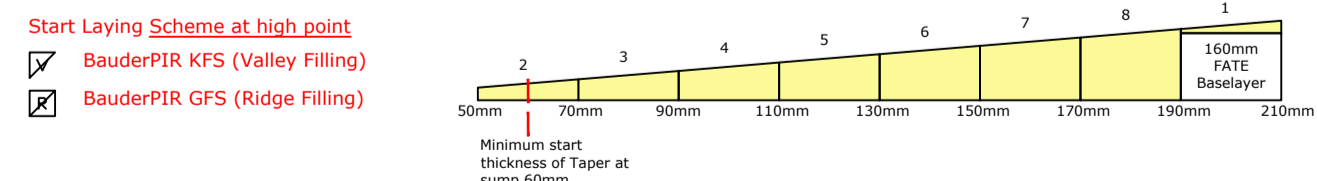
NOTES:
Although this tapered insulation scheme is designed to help shed water from the roof, we cannot guarantee that ponding will be totally eliminated.

Please note that ponding water may occur around the flatboard gutter area due to a lack of cross falls.

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

Rev	Date	Description	Drawn By

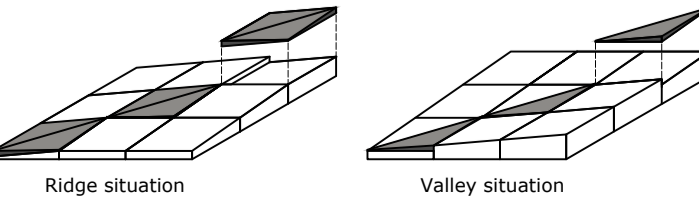
1:60 PIR Tapered Boards (1200mm x 1200mm)




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 or insulation 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.
CAUTIONARY NOTE REGARDING HYBRID INSULATED ROOF CONSTRUCTION
Thermal insulation located below the roof deck may increase the risk of interstitial condensation forming, which could lead to a deterioration of the deck / insulation / materials within the roof construction. Bauder must be informed immediately should a hybrid design be proposed.

Roof Name Area:	Deck Type	Minimum U' Value	Effective U' Value	Approximate Net Roof Area (m ²)	Approximate Area of Insulation to be Bonded (m ²)	Total Insulation Required Inc Waste (m ²)
Roof 1	Felt overlay	0.33 W/m ² K	0.17 W/m ² K	732.68	890.14	892.80

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





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Contractor to be responsible for checking this scheme against architects drawings/site requirements and to advise Bauder immediately of any discrepancies. Orders placed against this drawing reference assume approval of this scheme. Any materials required over and above the quantities given, will be charged accordingly.

Contract Name:
Whiterock Academy
Davies Avenue, PAIGNTON
England, TQ4 7AW

FA MULTI-LAYER TAPER SCHEME

Contract No:	B223924
Drawing No:	LTF-001
Designed to Drawing No:	Bauder survey
Scale:	1:100 @ A1
Drawn By:	ZN
Date:	18.08.2022