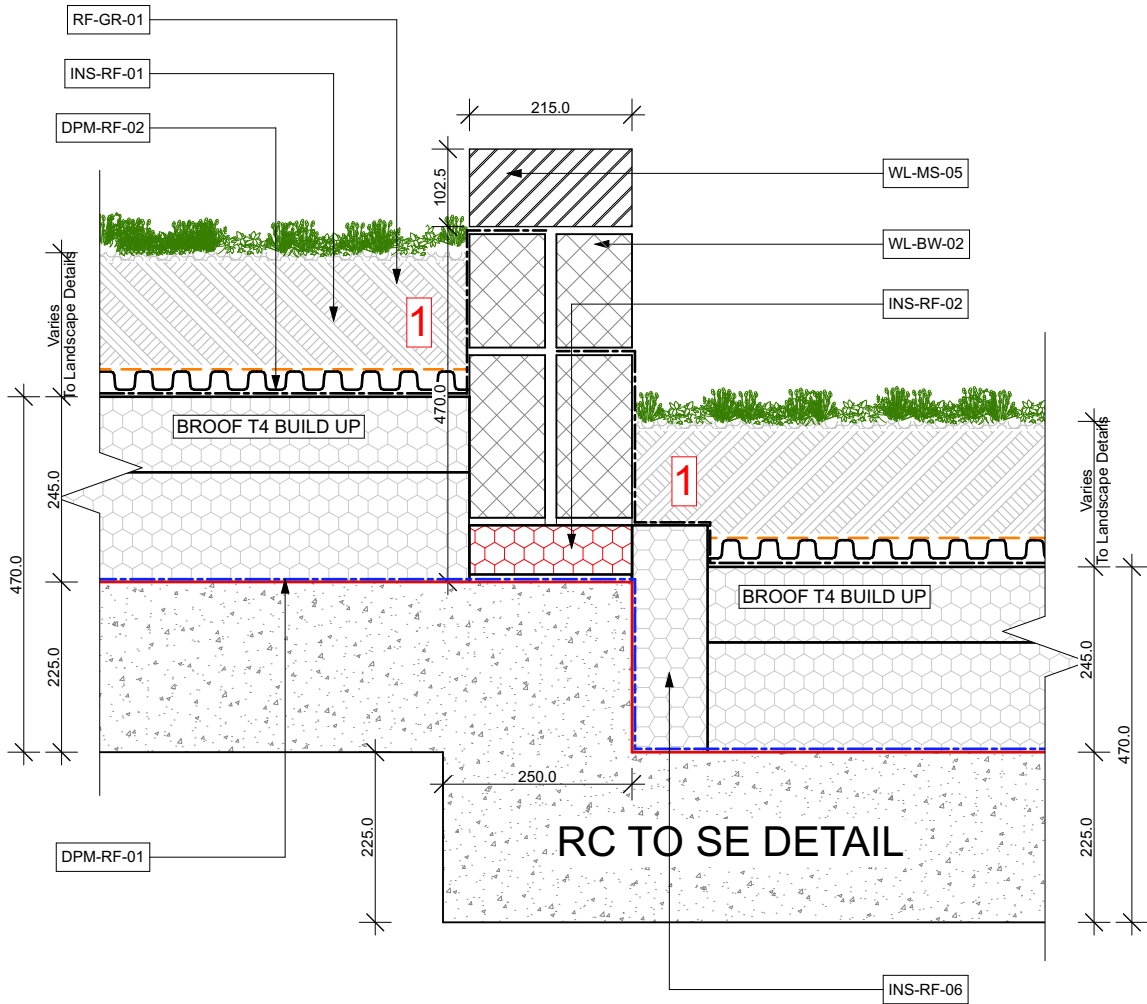




1 RAD-PQ-400
PermaQuick Inverted Biodiverse Roof Build Up

EXTERNAL ROOF



2724
Townhouse Stepped Slab roof Detail

DPM	
DPM-RF-01	Radmat protection sheet on PermaQuik PQ6100 Hot Melt Waterproofing System. A two-coat rubberised bitumen membrane, formulated from bitumen, natural and synthetic rubbers and fillers. Applied to an overall nominal 6mm thickness. Decks to which the system is to be applied must comply with the relevant requirements of BS 6229 : 2003, BS 8217 : 2005 with Radmat Protection Sheet Over and achieves Broof(t4) fire classification to BS EN 13501-5.
DPM-RF-02	Radmat MedO G11 Filtration Fleece on MedO D25 Drainage & Reservoir Board on ProTherm XPS X MK Water Flow Reducing Layer.
INS Insulation	
INS-RF-01	100 + 145mm ProTherm G XPS X 300 SL Inverted Roof Insulation. In accordance with Annex of Commission Decision 2000/553/EC, when used in an inverted roof specification including an inorganic covering of either loose laid gravel with a thickness of at least 50mm or a mass $\geq 80 \text{ kg/m}^2$, sand/cement screed to a thickness of at least 30mm, or cast stone or mineral slabs of at least 40mm thickness a roof system incorporating ProTherm G XPS X 300 SL can be considered to be unrestricted under the national Requirements (Classification Broof(t4) to BS EN 13501-5:2016).
INS-RF-02	FOAMGLAS® PERINSUL element, laid in a bed of mortar, in a row, fully bonded to the bed of mortar, joined without mortar and tightly butted. Construct the brickwork according to the specifications of the supplier with the first row being Solid block work.
INS-RF-06	100 ProTherm G XPS X 300 SL Inverted Roof Insulation. In accordance with Annex of Commission Decision 2000/553/EC, when used in an inverted roof specification including an inorganic covering of either loose laid gravel with a thickness of at least 50mm or a mass $\geq 80 \text{ kg/m}^2$, sand/cement screed to a thickness of at least 30mm, or cast stone or mineral slabs of at least 40mm thickness a roof system incorporating ProTherm G XPS X 300 SL can be considered to be unrestricted under the national Requirements (Classification Broof(t4) to BS EN 13501-5:2016).
Roof	
RF-GR-01	Refer to landscape architect's details
WL Walls	
WL-BW-02	100mm (paint grade), 7.3N/mm ² medium dense concrete blockwork for load-bearing/non-load bearing masonry, constructed per BS EN 771-3 and BS 5628. Blocks to have a smooth, uniform finish suitable for direct painting. Joints to be flush pointed or recessed as specified, using mortar class M4 (minimum) for strength and durability. Grout to match blockwork colour for a consistent finish. Ensure compliance with fire resistance, thermal, and acoustic performance requirements per Structural Engineer's specifications.
WL-MS-05	102.5mm Masonry facing brick laid On Edge vertically creating a soldier bond window head feature, min F2/S2 Classification as BS EN 771. (All components in the facade build up including the support system, as defined by Regulation 7, shall be: Class A2 or better to BS EN 13501-1:2007+A1:2009). Refer to Elevations for brick type and colour. Mortars below DPC are exposed to higher saturation & therefore require a higher durability. If there are sulphates in the ground and/or there is ground water present, confirmation by the manufacturer that the brick or block is suitable for use below ground should be provided. Please refer to Brick work schedule for all colour and grade specs related to all masonry facing bricks in perimeter walls.

CONTRACTOR(S), SUB-CONTRACTORS AND MANUFACTURERS TO ENSURE THAT ALL MATERIALS AND COMPONENTS ARE SUITABLE FOR THEIR INTENDED PURPOSE AND LOCATION; DESIGNED, MANUFACTURED AND INSTALLED IN ACCORDANCE WITH ALL RELEVANT CURRENT BRITISH STANDARDS, CODES OF PRACTICE, AND MANUFACTURER'S SPECIFICATIONS.

WHERE AN ITEM IS COVERED BY DRAWINGS TO DIFFERENT SCALES THE LARGER SCALE DRAWING IS TO BE WORKED TO.

DO NOT SCALE DRAWING.
FIGURED DIMENSION ONLY TO BE WORKED TO.

ALL DETAILS SUBJECT TO FIRE ENGINEER'S ADVICE, LABC & BUILDING REGULATIONS

TARGET U-VALUES

EXTERNAL WALLS: 0.15 w/m2K
SEMI-EXPOSED WALLS: 0.20 w/m2K
PARTY WALLS: 0.00 w/m2K
GROUND FLOOR: 0.12 w/m2K
EXPOSED UPPER FLOOR: 0.13 w/m2K
ROOFS: 0.12 w/m2K
WINDOWS: 1.1 w/m2K / 0.32G value
DOORS: 1.0 w/m2K

CDM REGULATIONS 2015
ACCESS STRATEGY, DESIGN AND INSTALLATION TO BE TO THE COMPLETE SATISFACTION OF THE PRINCIPAL DESIGNER.

Fire consultant to advise on integrity of construction and any additional fire safety measures required.

All cavity closers to specialist subcontractor design and specification.

Ensure fire stopping is provided around all external openings and penetrations.

REFERENCING

Detail Number

Drawing Number

Example: Drg no. Z06600-AQP-C-ZZ-DE-A-5000 Rev C01

COORDINATION
Refer to M&E consultants drawings for specification, location and number of services. To be read in conjunction with Service Engineer's drawings. Main Contractor to seek installation advice from supplier before construction starts.

Refer to Structural Engineer's setting out for columns and shear walls.

DIMENSION AT ORIGINAL SHEET SIZE

Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the Architect before proceeding. © This drawing is Copyright

Revision	Dr'n	Ch'kd	Date
P01	AD	LU	25/02/2026



CONSTRUCTION

Drawing
Townhouse Stepped Slab roof Detail

TAN-AQP-TH-RF-DR-AR-2724

Revision
P01

Project
Tangmere
Project Number 25.055

Client
Formation Design & Build

Scale
1:10 @ A3

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