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Notes
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All dimensions are to be checked on site prior to construction, manufacture of any components and setting of materials and equipment.
Any discrepancies are to be reported to the architect for clarification.
All materials and workmanship to be in accordance with the current British Standards and codes of practice.

Key:

- Denotes Stoneleaf Celtic Grey natural slate roof slates, 500x250x8mm nominal thickness, installed with minimum headlap of 125mm, on 500mm long Permanent Easy Slate Low pitch system for natural slate on 50x25mm treated timber battens, on 50x38mm treated timber counter battens, on Permanent Dry+ high-performance vapour permeable membrane, on Marine external grade plywood decking board to comply to BS EN 636, Service Class 3, all to Modular Contractors Struct Eng design and specification, on treated timber trussed rafters to Modular Contractors specialists design.
- Ventilated roof space in accordance with BS 5250 with 10,000mm² ventilation to eaves, and 500mm² to ridge, 300mm (100+100+100) Rockwool RollBatt insulation to roof space laid on top of plywood lid to modular roof.
- U value = 0.12W/m²K
- Natural slate roofing to be installed in accordance with BS 5534 by an approved and competent roofing installer.
- Denotes mechanically fasten 200mm wide Sikaplan G-18 Lead Grey roofing membrane with Sika Limited SFT thermally broken tubes and BS-S stainless steel fasteners, on 1 in 60 tapered Sikatherm PIR AL CFC and HCFC free polyisocyanurate insulation to achieve U value of 0.13 W/m²K, on Sikas-Top 5000E SA foil faced, reinforced, self adhesive backed bituminous membrane, on minimum 18mm Exterior Grade plywood decking to BS EN 636 Plywood Specifications, minimum Service Class 3.
- U value = 0.13W/m²K
- Refer to Sika Roofing Technical Specification, Ref. 0457669 Rev A dated 13/3/24 for full details of flat roofing specification.
- Note: All roof coverings to achieve a fire classification of Broof(T4) in accordance with EN 13501-5.**
- Denotes 350mm wide Sikatherm PIR AL CFC and HCFC free polyisocyanurate tapered insulation to form insulated gutter at roof, at fall of 1 in 60 to rainwater outlet.
- Denotes Marley SolarTile, integrated solar roof system, Type 405 panel (MAPV16-405-M10), individual panel size 1134mm wide x 1722mm high x 70mm deep, complete with fixing brackets, head flashings, cill flashings with Code 6 lead apron, side flashing, gutter pieces and gutter covers, and all other associated accessories, fixed with required fixing brackets with grade 316 stainless steel fixings to 50x25mm treated timber battens at centres in accordance with Marley fixing and installation requirements. Number of panels to show on drawings to suit the Manufacturer's requirements.
- Denotes Strip of 18mm Maggy A1 Non-Combustible board between trussed rafters at location of fire barrier, to both roof slopes taken from eaves to ridge, fixed to trussed rafters in accordance with manufacturers instructions. Final position of boarding to be set out on site to suit location of trussed rafters and provide overlap with fire curtain.
- Note: Board to be fixed between 2no. nearest trussed rafters to location of fire barrier to ensure continuous line of 30 minutes fire resistance. If location of fire barrier curtain on grid line CB falls outside of zone then the Maggy board is to be extended to span over 3no. trussed rafter positions.
- Denotes Manthorpe Small format polypropylene In-Line Slate Ventilators, size 520x350mm to suit 500x250mm slate size, colour to match natural roof slate, all installed in accordance with manufacturers' details, to provide ventilation to roof space at abutment with flat roof or existing structure, set out at 1000mm centres.
- Denotes Manthorpe Small format polypropylene In-Line Slate Ventilators, size 520x350mm to suit 500x250mm slate size, colour to match natural roof slate, all installed in accordance with manufacturers' details, to provide termination within roof space for soil vent pipes to mechanical services engineers details. Slate ventilator to be complete with built in pipe adaptor and flex duct to connect soil vent pipe to.
- Denotes 150 x 150mm Polyester powder coated (60 microns minimum for marine environment), minimum 2mm wall thickness, aluminium box gutter, fixed with Grade 316 stainless steel brackets and fixings to fascia all to specialists details. Gutter to have joint straps secured in accordance with manufacturers instructions, joints assembled dry with 8mm expansion gap and sealed with low modulus silicone sealant (suitable for a marine environment) after assembly. Sealant to be provided by gutter specialist. Include for corners, transitions, junctions, stopends, outlets, and special items specifically for the application. Colour: RAL 1021 Matt.
- Modular Contractor to submit fabrication drawings of gutter system for comment prior to manufacture of any components.
- Gutter to be designed and fixed to a nominal gradient of between 1 mm/m and 3 mm/m where practicable. The gradient of the eaves gutter shall not be so steep that the gutter drops below the level of the roof to such an extent that water discharging from the roof will pass over the front edge of the gutter.
- Gutter system to be fixed in accordance with specialists details to meet the wind loading and environment conditions of the building.
- Aluminium Sheet to BS EN 485/515/73: Grade 1050 AH14, supplied by BS EN ISO 9002 registered stockist to ensure traceability.
- Polyester Powder coated to BS 12206-1:2004, coated only by Synthia Pulvin Approved and BS EN IOS 9002 registered applicators to a minimum film thickness of 60 microns for a marine environment. Polyester Powder coating must be A2 s1, d0 limited combustibility (EN 13501-1: 2018 Classification of reaction to fire).
- Colour: RAL 1021 (Matt).
- Fixings to be as recommended for the purpose and supplied by the rainwater pipe manufacturer.
- Provide standard swept pipe joints, pipe connectors/square to round adapters/pipe elbows/rodding access pieces/hopper heads/pipe brackets/offset pipe brackets/pipe branches/pipe offsets/two piece adjustable offsets/special items to be designed and factory manufactured specifically for the application.
- Method of Joining: Dry socket joint
- Method of Fixing: Bracketted in accordance with manufacturers instructions, generally one bracket per pipe length. All brackets to be supplied by the pipe manufacturer, and be square back to wall, powder coated as per the pipes. Pipes on the external walkway to extend through walkway paving and down to concrete slab level and discharge into gully to drainage engineers specification and details.
- Gutter and downpipe drainage calculations to be in accordance with BS EN 12056-3.**
- Denotes Rockwool FirePro Fire vertical fire cavity barrier curtain in void, minimum fitting of 30 minutes integrity, and 15 minutes insulation, all installed in accordance with manufacturers instructions. Cavity fire barrier to be positioned to break up roof space so that it is no bigger than 20 metres in any direction.

