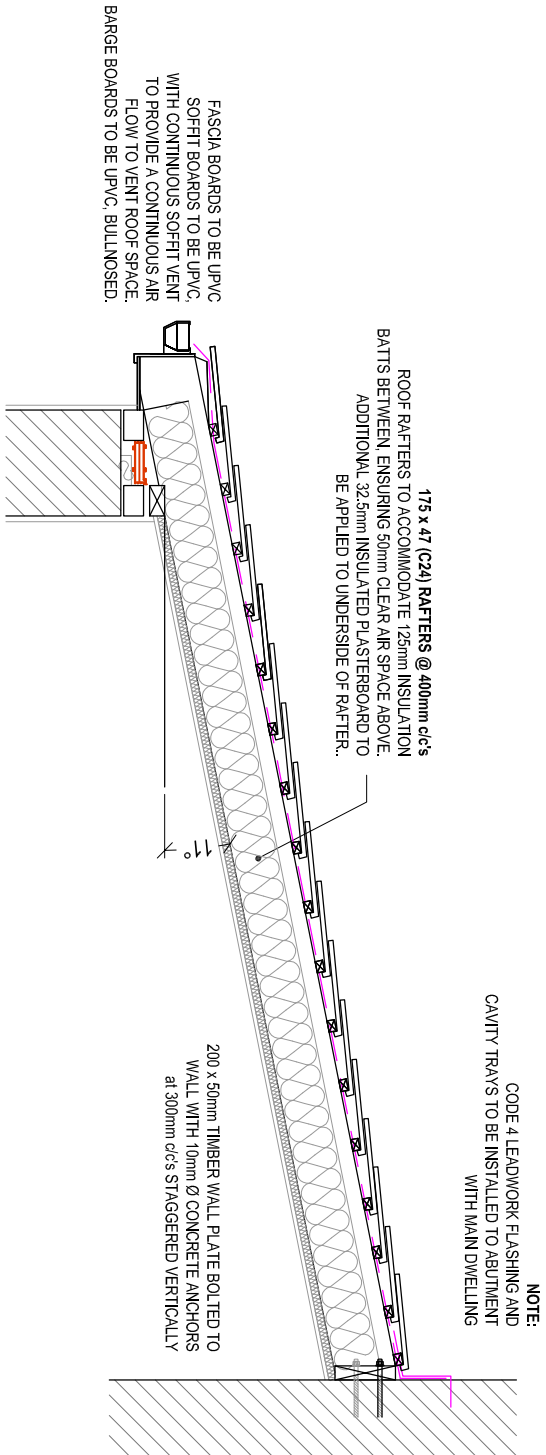
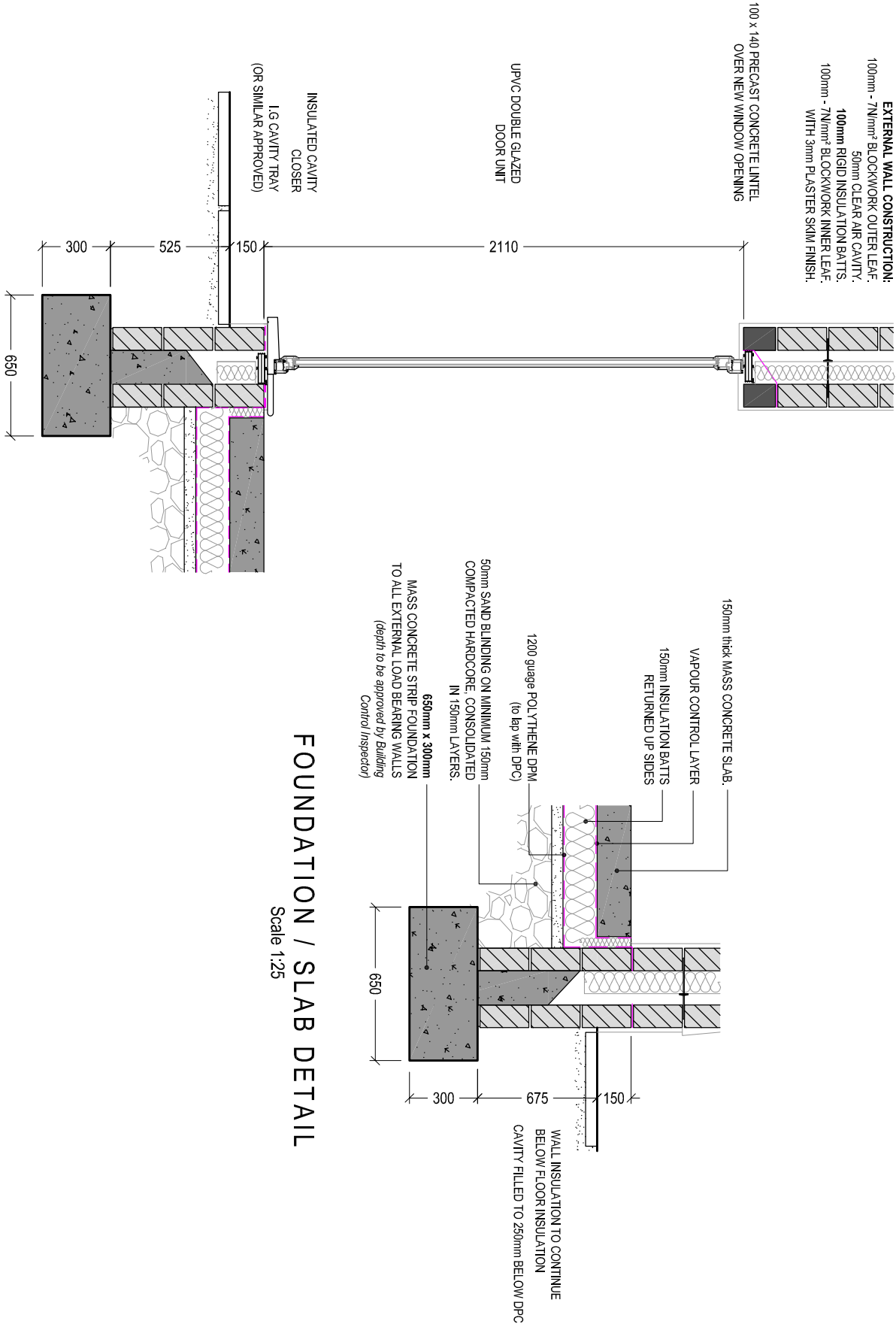




SECTION THROUGH NEW ROOF CONSTRUCTION
Scale 1:25



SECTION THROUGH NEW FRONT WALL
Scale 1:25

FOUNDATION / SLAB DETAIL
Scale 1:25

ADDITIONAL NOTES:

EXTERNAL WALLS:- (U* Value to be 0.16 W/m²K)
100mm - 7N/mm² dense concrete blockwork outer leaf with cement / sand mortar (1:3) 50mm clear air cavity.
100mm insulation bats with retaining clips.
100mm - 7N/mm² dense concrete blockwork inner leaf with cement / sand mortar (1:3)
Stainless steel double triangle wall ties with insulation batt retaining clips at 900mm horizontal and 450mm vertical. 225mm horizontal and vertical around openings sloping to outer leaf.
(TO COMPLY WITH APPROVED DOCUMENT PART A)
Cavity's to be closed with insulated cavity closers, to be installed in accordance with manufactures instructions.

GROUND FLOOR:- (U* Value to be 0.14 W/m²K)
150mm 20mm aggregate concrete slab.
1200 gauge polythene damp proof membrane, minimum 150mm laps adhered in strict accordance with manufactures instructions.
DPM to continue and lap with DPC.
150mm insulation bats returned up sides of slab.
Vapour control layer installed between insulation and underside of concrete slab
50mm sand blinding.
Minimum 150mm compacted hardcore, consolidated in 150mm layers.

ROOF STRUCTURE:- (U* Value to be 0.16 W/m²K)
All Structural works to comply with Approved Document Part A and Part L1 of the Building Regulations.
Concrete tile on 25 x 50mm SW battens on "TYVEK DUPONT" (or similar approved) roofing underlay carried well into gutter.
Proprietary Eaves drip tray system installed around new perimeter.

DPC's and CAVITY TRAYS:
To comprise of Hybrid or similar pitch polymer 100mm horizontally with trays above and below openings. Cavities closed at eaves using rockwool rockclose or similar to prevent cold bridging.
Cavity trays to be 16 or similar approved.

DOORS & WINDOWS:- (U* Value to be 0.16 W/m²K)
UPVC DOUBLE GLAZED UNITS.
All doors & windows to be fitted with heavy duty weather strips fitted to opening casements and fitted with self locating opening window restrictors. Safe breakage of glass as defined in BS6206:1981
All glazing to comply with Approved Document N.

MECHANICAL:
New Central heating system to be provided.
All radiators to be installed with thermostatic control valves mounted to top of radiators.
Pipework to be 15mm to BS. 2871.
Installations and underfloor heating system to be designed and carried out by fully qualified heating engineer.

MECHANICAL VENTILATION:
To comprise of Silavent extractor systems or similar approved to discharge directly outside.
Bathroom to be capable of extracting 30 litres / sec.
Kitchen to be capable of extracting 60 litres / sec.
Utility to be capable of extracting 30 litres / sec.
To comply with Approved Document, Part F Section 1 Table 1.

ELECTRICAL:
Installation to be in accordance with the latest IEE and NICEIC regulations and carried out by a registered electrician. Lighting fitting specified to be classified as "Energy Efficient" in accordance with approved document P of Building Regulations. All earthing to be in accordance with the latest IEE and NICEIC regulations.
Inspection and NICEIC completion certificates to be handed to client at practical completion. All electrical fixings to be 450mm and 1200mm off F.F.L and to comply with approved Document P of the Building Regulations.

FIRE / SMOKE ALARMS:
Mains wired heat and smoke detectors to be fitted. All new alarms to be mains operated with battery back up.

RAINWATER GOODS:
UPVC gutting - 110mm, fixed with brackets to fascia board, to include all necessary fittings.
Rainwater pipe to be UPVC - 68mm pipe, connected via outlet to new back inlet gully. Pipe to be fixed to new background with brackets, to include all necessary fittings.

Project Title:
**PROPOSED SINGLE STOREY
SIDE EXTENSION
& PROVISION OF
OFF-STREET PARKING AREA**

Client:
Mr. Paul Thomas
19 Cook Rees Avenue
Neath
SA11 1UR

PLANNING

Drawing Title:
**PROPOSED CONSTRUCTION DETAILS
(UTILITY)**

Drawing No:	CPL-004A	Revision:	
Date:	31-10-2024	Revised:	
Scale(s):	1:100	Paper Size:	A3



Cwm Planning & Design Ltd.
(Civil, Structural & Architectural)