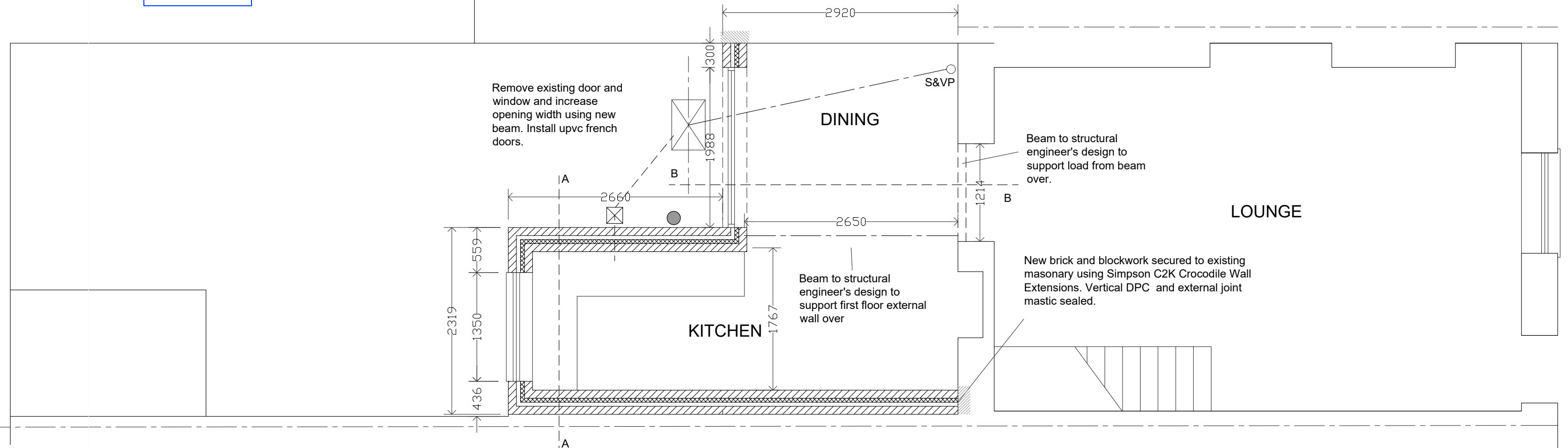
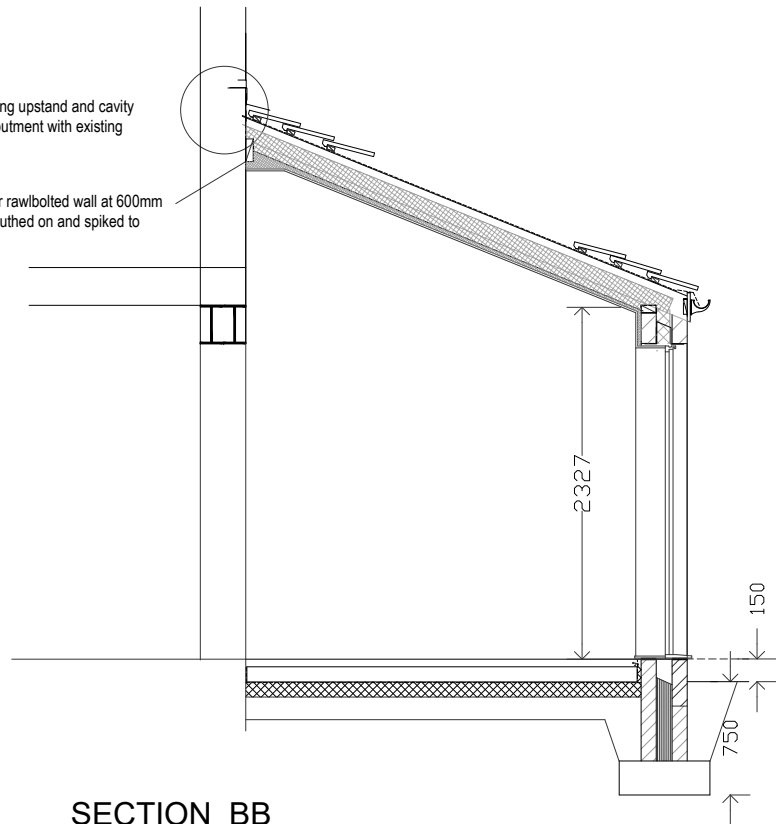


● SECURITY LIGHT



Code 4 lead flashing upstand and cavity tray installed at abutment with existing wall

150 x 50 bearer rawbolted wall at 600mm cts. Rafters mouthed on and spiked to bearer.



SECTION BB

EXTERNAL WALL CONSTRUCTION:

100mm External Leaf of blockwork as indicated on elevation.
Cavity walls constructed to recommendations of BS 5628 Part 3 1985 and BS 5390:1976 (1984) onstruction.
Ties spaced 600mm horizontally, 450mm vertically located to coincide with and to be fixed to studs, doubled at openings and corners.
100mm cavity incorporating 50mm Celotex CW4000 Insulation boards.
100mm Solar / Torbo blockwork inner leaf (lambda 0.141)
37.5mm insulation / plasterboard laminate internally to give 0.18 'U' value.
External wall to achieve 0.18 U value
Polymer horizontal and vertical DPC's to BS 743 laid to CP 102
All new window openings to be Double Glazed and fitted with Pilkington 'K' glass or triple glazed to achieve min 1.3 'U' value.
All new windows and doors to achieve 1.40 'U' value

ANTI-SCALD DEVICES.

Hot water to be supplied to a maximum 48 degrees C by use of an in-line blending valve or other appropriate temperature control device.
Valves to comply with BS EN 1111:1999

GROUND FLOOR & SUBSTRUCTURE

50mm sand / cement screed on 100mm concrete slab on 1200 gauge visqueen DPM below slab to be taken up around perimeter and tucked under DPC.
100mm KINGSPAN (or similar) insulation with perimeter upstands.
Min 150mm hardcore well compacted and blinded to ensure no projections sufficient to penetrate DPM.
Class A concrete blockwork or class B semi-engineering brickwork below DPC level.
Cavity below ground levelinfilled with lean-mix concrete.
600 x 250 concrete strip foundations min 750mm below finished ground level (or below invert level of drains).
Horizontal DPC as described in EXTERNAL WALL NOTES, min 150mm above finished external ground level.
FLOOR TO ACHIEVE 0.15 U Value.

HEATING

Heating to be provided via gas central heating system using condensing boiler and radiators

DRAINAGE

FOUL DRAINS
75mm deep seal traps to baths, wash hand basins, showers, sink units. 38mm waste to above appliances increased to 50mm where more than one appliance discharges into the same pipe.
NOTE: anti-syphonis trap where 110mm uPVC more than 2000mm from trap.
Wastes taken via back inlet gully or S&VP as indicated.
S&VP taken through roof and terminated with bird cage preformed cowl to weatherproof junction with roof. S&VP to terminate min 1000mm above nearest window opening within 3500mm.
WC's taken either to S&VP or direct to inspection chamber as indicated.
Drainage above ground to BS4514 & 5572/1978
Installation to BS 8301 1985
Connections from S&VP and gullies to inspection chamber to be 110mm uPVC to BS 4660 laid to min 1:40 fall on course gravel bed.
SURFACE WATER
Surface water taken to discharge to existing drains
100mm gutter taken via 63mm dia. RWP to new back inlet gully then via 110mm uPVC as described above.
NOTE : ALL DRAINS PASSING BELOW BUILDING TO BE PROTECTED BY ENCASING IN MIN 150MM CONCRETE.
ALL DRAINS PASSING THROUGH WALLS PROTECTED BY CONCRETE LINTOLS OVER.
FOUNDATIONS TO BE TAKEN BELOW INVERT LEVELS OF DRAINS

k.j.lloyd

CHARTERED ARCHITECT

AADip. RIBA

49 Coed Y Pia, LLanbradach
Caerphilly, CF83 3PT

PROJECT
PROPOSED FIRST FLOOR REAR EXTENSION
AT
4 PENLAN STREET
PENTREBACH
MERTHYR TYDFIL

SCALE
1:50 & 1:100 @ A3
DATE
SEPT 2023

DRAWN
KL
DRG. NO.
02

DRAWING
PROPOSED GROUND FLOOR PLANS AND ELEVATION

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