

Roof construction

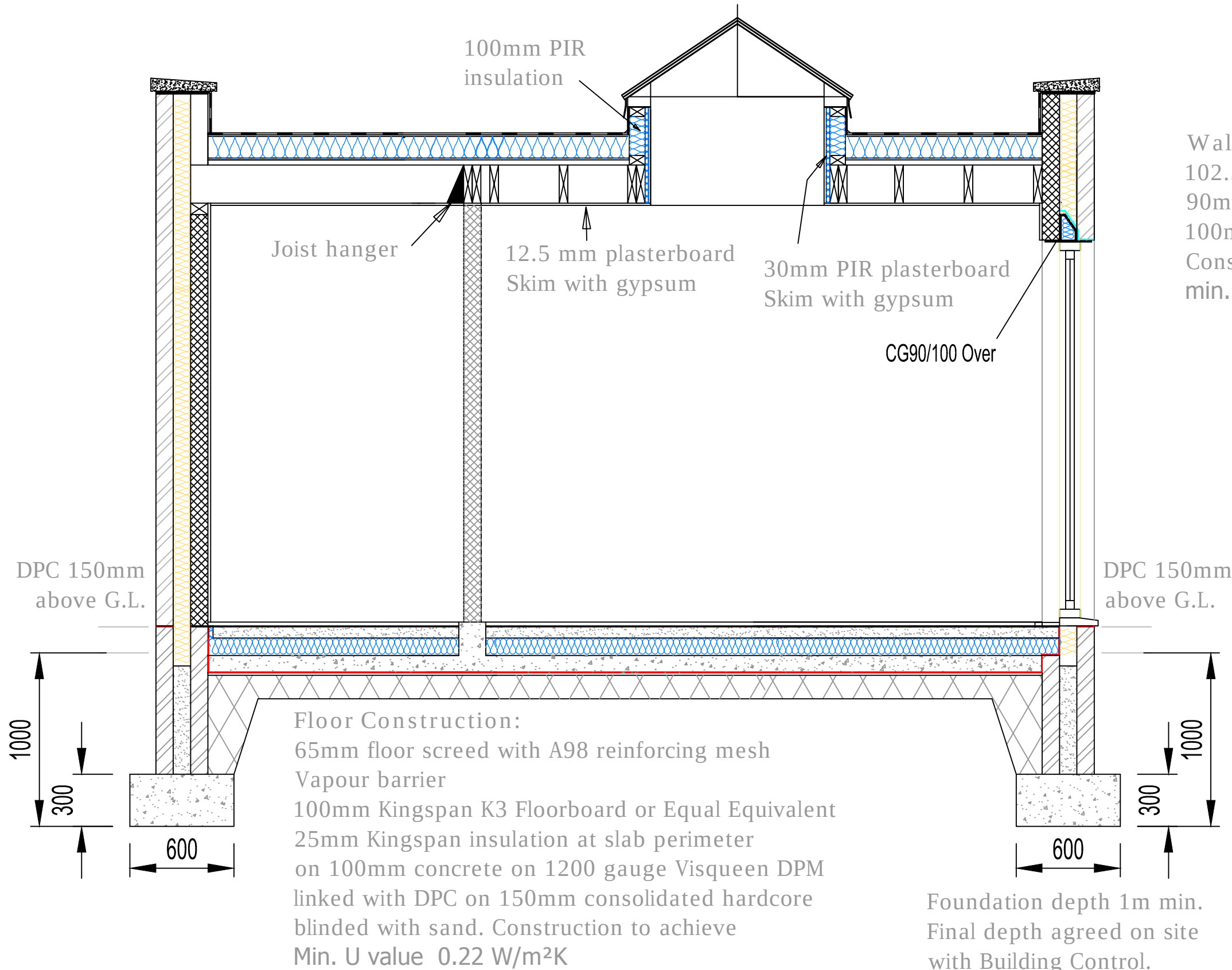
Warm roof construction, Covering options;

- 1. EDPM Classic Bond membrane by approved installer.
- 2. Mineral adequate grade top layer felt on 2 layers of adequate grade flat roof felt embedded in bitumen crossed at 90 degrees to each other.
- 3. Fiber glass roofing system installed by an approved installer.

For insulation use Celotex TD4126 all in one roof system (0.18w/m2k) which has built in vapor control layer and bonded to 5.5mm decking. Or use Celotex 120 XR4000 on 12mm plywood decking with an adequate vapour barrier between decking and insulation, then lay 12mm Plywood or O.S. board over insulation with chosen finish over. Use firrings on 50 x 220 C24 joists at 400mm CRS. joists to achieve a fall of 1:80. Continuous staggered noggins to run down the center of roof joists.

Roofing materials to comply with AA fire rating BS476

Joists and trimmers doubled up around Roof Lantern, by other and installed to manufacturers instructions.



SECTIONAL ELEVATION ON A-A
SCALE 1:25

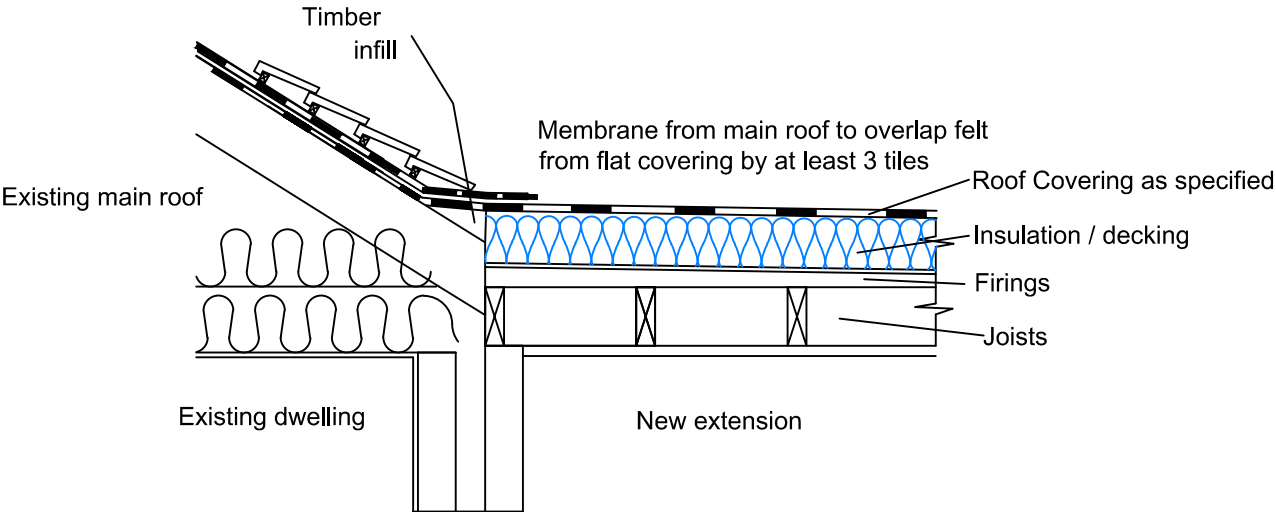
Wall Construction:

- 102.5mm Facing Brick
- 90mm Crown Dritherm Insulation
- 100mm Celcon Standard Blockwork

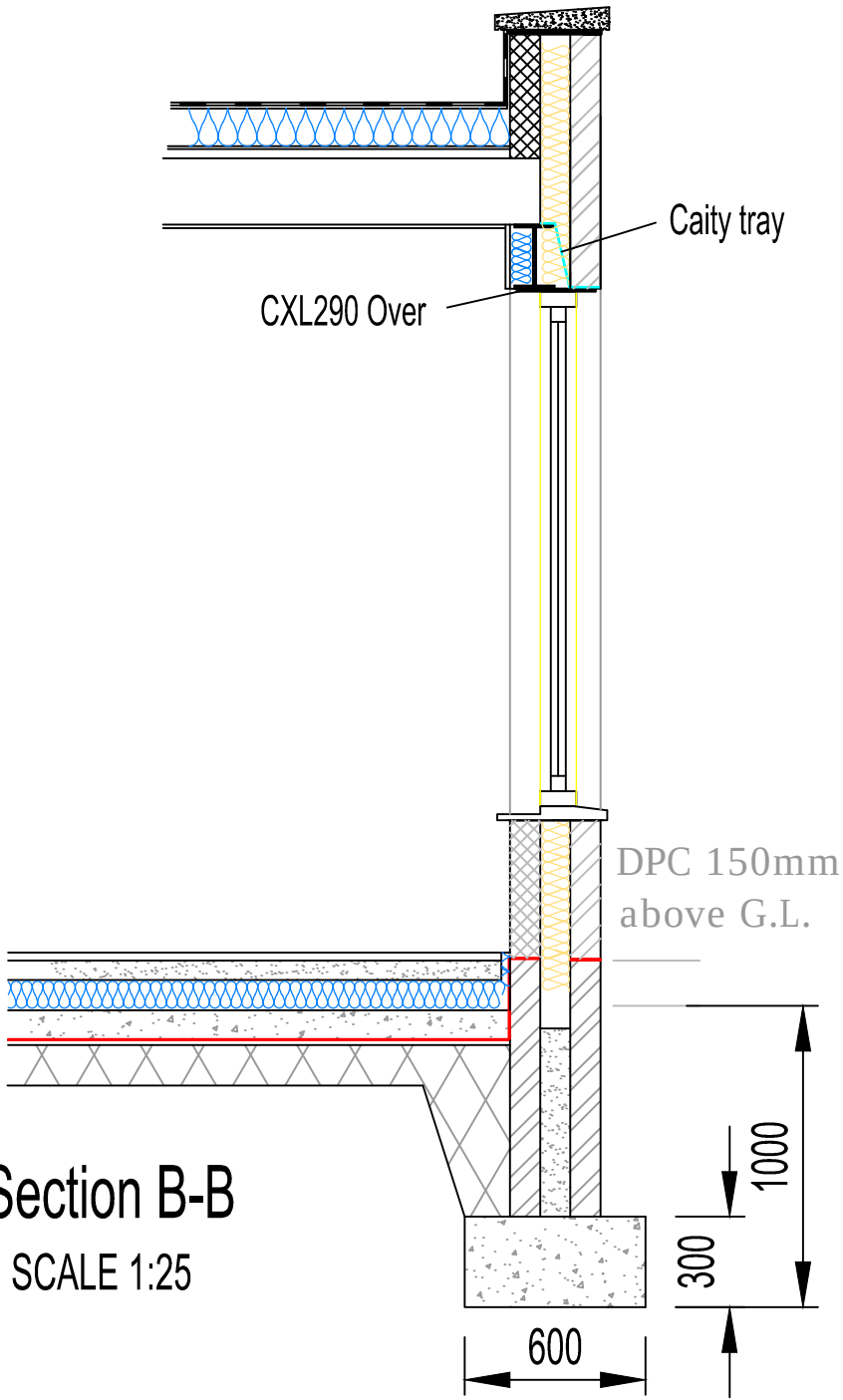
Construction to achieve min. U value 0.28 W/m²K

All glazing to be Pilkington 'K' double glazed units. Glazing to achieve min U value of 1.6 W/m²K. Glazing in critical locations. Laminated safety glass to Class C, BS6209. 1981. Windows to have 1no trickle vents - 5000mm² free air ventilation.

Wall below ground level to be Foundation blocks or 100mm brick/block construction. Cavity to be filled with concrete 225mm below DPC



Detail C 1:20
Eaves Detail at roof intersections



Section B-B
SCALE 1:25

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Project: Proposed rear extension

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Drawn: TP
Revision:

Scale: 1:25 1:20
Section details 003