

Roof covering in a colour to match that of main property
On 25mm x 50mm treated battens complying to BS5534 Part 1 1990
On Kober Permolight permeable underlay on 50mm x 150mm C16 roof rafters at 400mm centres, birdsmouth jointed over and fixed to 50mm x 100mm wallplates using Simpson StrongTie truss clips 50mm x 150mm C16 raised collar ceiling rafters at 400mm

Ceilings insulated with 100mm of Celotex XR 4000 or Kingspan Kooltherm between rafters, with a further 50mm of Celotex XR4000 or Kingspan beneath rafters
Overlain with a 12.5mm plasterboard with all joints filled and taped and finished with a 3mm dense plaster skim.

Fascia, soffit and barge boards to be of uPVC and sized to suit roof rafter section sizes

Type X Cavity Trays of Yeovil installed into existing masonry at new roof gable abutment
Type E trays at abutment with roof box gutter.

uPVC double glazed window with integral background ventilation equal to or greater than 4000mm squareachieving a UValue not exceeding 1.4W/M2K

uPVC or aluminium Bi-fold double glazed access doors to achieve a UValue not exceeding 1.4W/M2K or DSR not less than C rated

Superstructure.
Masonry CEDRAL cladding system on 25mm x 50mm counter battens on 25mm x 50mm battens on 100mm dense concrete blocks laid in a 1-1-6 cement, lime, sand mortar
50mm clear cavity75mm Celotex or Kingspan partial fill insulation on 100mm Celcon Solar Durox or Thermaflex Turbo aerated concrete block laid in a 1-1-6 cement, lime, sand mortar
12.5mm plasterboard on plaster dabs finished with a 3mm dense plaster skim to achieve a U Value of 0.20W/m2 K or better. Cavity to be closed at head, eaves and gables with Rockwool Quafire or other approved closing system.

Stainless steel wall ties, at maximum 750mm horizontal and 450mm centres staggered on alternative courses. Ties to be placed on each course of blockwork at reveals.
Insulation retainers to be fitted in accordance with manufacturers recommendations.

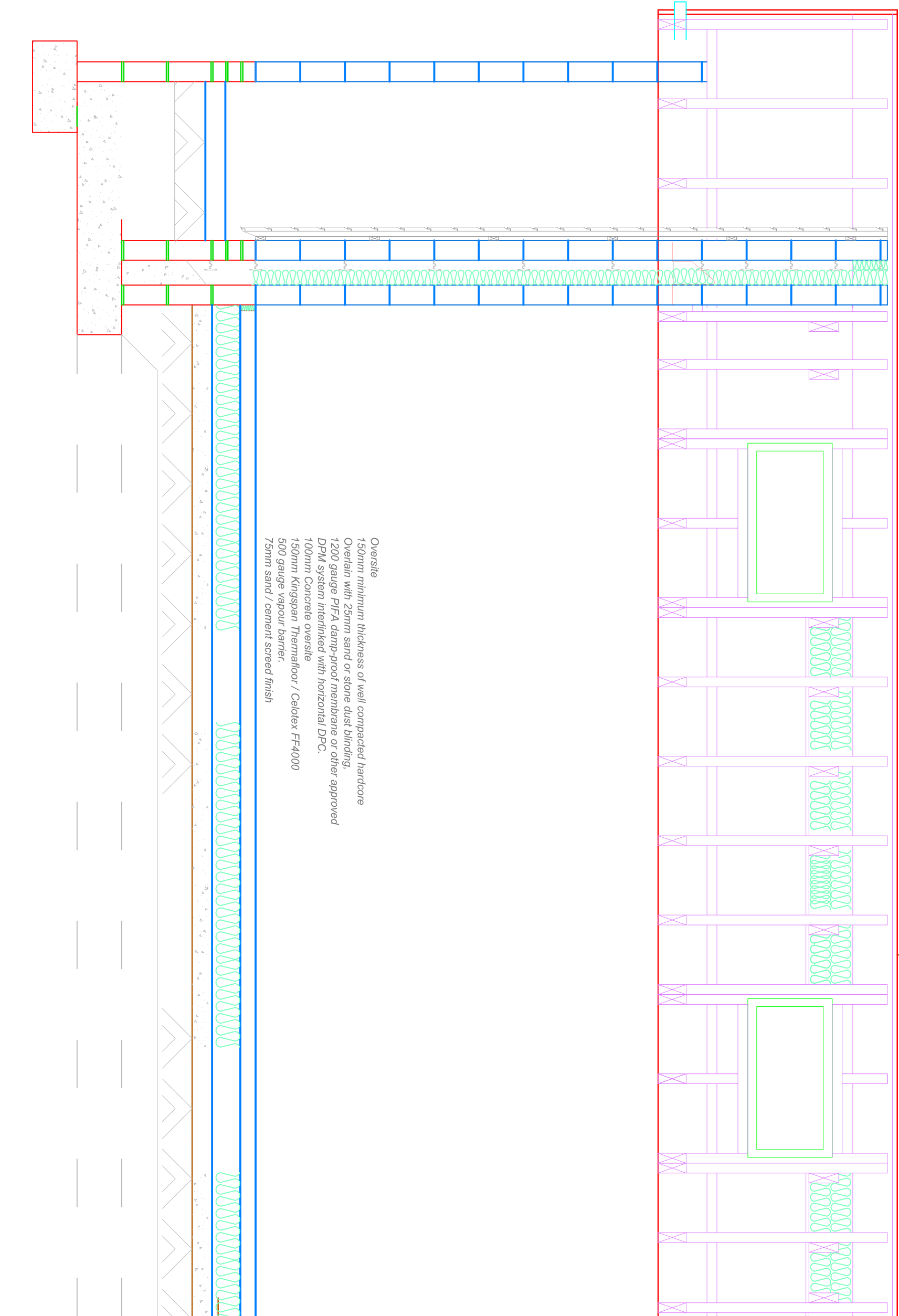
Lintels.
From the Celtic Cougar or IG L/VIS range with minimum 150mm end bearing and fully bedded on mortar and with DPC trays installed as required by manufacturers recommendations. Weep vents to be provided at a minimum of 2 per lintel or at a maximum of 675mm centres. Celtic Type CL3 or C90 lintel stop ends inserted as per manufacturer's recommendations.
Internal finish to be 12.5mm British Gypsum wall board on plaster dabs with all perimeters sealed. Joints to be taped and filled to provide a finish suitable for direct decoration.

All Reveals are to be sealed using Cavity Trays of Yeovil Ltd Type H, insulator damp proof course and cavity close system

Substructure.
2 Skins of dense concrete block with a 125mm cavity filled to a level 225mm below finished ground level
Note
Number of courses below ground level dependent on ground conditions and requirements of inspecting authority.

Traditional Foundation.
All traces of topsoil contaminated and root material to be removed prior to the installation. 600mm x 225mm dense concrete foundations at a depth to be agreed by inspecting authority.
100mm concrete block 125mm cavity 100mm concrete block substructure masonry with cavity filled to within 225mm of ground level

NOTE.
In RADON affected areas DPM is to be HyLoad Gaslite LL with all joints taped using Gaslite double sided tape and interlinked with full cavity tray DPC at ground level.
Radon sump's may also be required in areas of high Radon concentrations



Roof box gutter comprising Code 5 Lead laid in accordance with the British Lead Federation guidelines or GRP gutter trough in accordance with manufacturers installation guide on 19mm plywood lay board laid to falls discharging into rainwater gutters

Masonry to masonry abutment to be formed using Firfix or other approved mechanical masonry abutment connection system installed strictly in accordance with manufacturers recommendations

Title
Front Entrance Hall Extension

At Yr Hafod
Heol Y Mynydd
Cefn Coed
Merthyr

Client
Mr Matt Toon

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Drawing
Revision No

Drawn
Scale

Date
18 / 03 / 2024

Amended