

- NOTES:
1. THIS DRAWING MUST NOT BE SCALED.
 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS.

ELECTRICAL INSTALLATION

All electrical works to comply with BS7671: Amendment 2: 2013 : (The IEE Wiring Regulations, 17th Edition) 2008, The Building (Scotland) Act, 2003, Electrical Supply Regulations, 1988, Electricity at Work Regulations, 1989 (issue no 635), and all subsequent amendments to these statutory items.

Test and certify all electrical works on completion of these works. Supply test certification sufficient to allow Application for Completion to be made to Building Standards.version 1.

Smoke alarms and flame detector (to Kitchen) to be wired to mains electrical supply and to be fully interconnected to give integrated system throughout each house in compliance with BS 5839 : part 6 : 2004 and BS 5446 : part2 : 2003.

Lighting generally to be low energy type, complying with the CIBSE "Code for Lighting". Any external lighting to comply with CIBSE "Code for Lighting" Lighting Guide 6, and BS 5489-1.

Positioning of electrical fixtures:-

- a) switches, outlets, sockets etc to be at least 350mm from any corner, opening or similar obstruction
- b) light switches to be 1050mm above finished floor level
- c) sockets to be 500mm above finished floor level, or 150mm above worktops or similar projecting surface

A carbon monoxide detector to be sited within 1-3m from the gas boiler. The detector should comply with BS EN 50291-1:2010 and be powered in accordance with this standard and sited in accordance with BS EN 50292:2002.

EXTERNAL WALL CONSTRUCTION

Below floor level:
100mm concrete block outer leaf with render finish to match house above GL , 50mm cavity,
140mm concrete block inner leaf built centrally on foundation
Two leaves of masonry to be tied together using stainless steel wall ties with a minimum of 4 per square meter

Above floor level:
102mm facing brick to match house, 50mm cavity, breather membrane on 12mm sheathing plywood on 150x50mm C16 timber framing at 600mm crs with a top and bottom rail
500 guage visqueen vapour barrier stapled to frame
frame to be finished with 24.5mm celotex PL4000 insulated plasterboard with joints taped and filled, 120mm thick Celotex XR4000 insulation between studs. All gaps and junctions at wall and floor to be sealed to limit air infiltration
u value of wall 0.19 W/m²K

CFR30 cavity barriers as detailed, incorporating damp proof membrane, vertically at maximum 8.000m centres, and at all corners. Horizontally cavity barriers to be installed at upper floor level and at cavity head.

Cavity vents and drains to be placed at wall heads, above and below horizontal cavity barriers and immediately above dpc at wall base, as detailed, Also at cavity trays as detailed. Cavity vents will be inserted in perp masonry joints at 900mm maximum centres. This will provide in excess of 300mm² free and open ventilation air to cavity.






Pre-cast concrete external slip cills to be wrapped in DPC.U-value through external wall construction to be less than 0.19W/sq.mK.

INTERNAL PARTITION WALLS

Generally, partitions will be formed in 75 x 50mm sw studs at 600mm maximum centres per Engineer's details and specification, with 12.5mm plasterboard to both sides, taped and filled finish overall for painted finish.

60mm thick Rockwool sound insulation generally to all internal partitions, tightly fitted between studs. Insulation to have minimum density of 10 -60Kg/m³ (45Kg/m³ generally).

ELECTRICAL LEGEND

-  ceiling light
-  Twin 13 Amp switched socket outlet, positioned between above worktops and 350mm min. from any internal corners or obstructions.
-  Light Switch box, positioned between and 350mm min. from any internal corners or obstructions.
-  Optical smoke detector alarm on independent mains circuit 300mm from wall or any light fitting and provided with a battery backup supply
-  heat detector alarm on independent mains circuit 300mm from wall or any light fitting and provided with a battery backup supply

PROPOSED EXTENSION TO
47 CRANNOG WAY
KILWINNING

DRAWING NO - 03