



MR MALCOLM COOPER,
THE RETREAT, CROFT LANE, HAYLING ISLAND PO11 0LT.
REAR EXTENSION PROPOSAL 8 METRES X 3.5 METRES.

- Ground Floor min. 100mm concrete on min. 100mm hardcore 1200-gauge polythene DPD. 80mm celotex GA 3000 under slab 50mm sand/cement screed finish. Any air bricks blocked to be ducted to the external air.

Note any existing drains under new extension to be exposed and encased in 150mm concrete and protected with lintels through foundations.

Foundations to local authority approval to suit site conditions. Use only class A concrete blocks below ground level. Foundations also to comply with NHBC practice.

Walls to be fully bonded to the existing cavities and damp-proof courses to be maintained continuous close all reveals with insulated cavity closers.

Check all measurements on site prior to commencement of work.

Walls red bricks externally 100mm cavity with 50mm celotex insulation clipped to an inside skin of 100mm celcon solar blocks internally render and set tie walls with approved stainless-steel wall ties every 750mm horizontally and 450mm vertically.

Catnic lintels over all new openings, size in accordance with the manufactures span tables minimum 150mm end bearings.

Pitched roof Tyvek breathable felt battens and tiles to match existing on trusses to match existing all details and calculations to be submitted to LA building prior to manufacture. 12.5 plasterboard and set ceiling with 400mm fibre glass quilt laid over.

Strap down new roof with mild steel anchors minimum cross-section 30mmx5mm and at 1.2m centres.

Close top of new cavity walls with brickwork.

Windows to be double and to achieve A U value of 1.6w/m²k to give minimum 1/20th of the floor area as opening. Provide 10,000mm sq. trickle vents to all new rooms. Any low-level glazing to critical areas in doors/windows/sidelights etc. to be safety glass to B.S 6206

Rainwater disposal via 100mm diameter gutters and downpipe to pick up into existing surface water drains.

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Provide mechanical ventilation to new shower room ducted to the external air minimum capacity 60 litres/sec.

New drains to be 100mm diameter approved plastic laid 1.40 bedded and surrounded in 150mm pea shingle haunch in 150mm concrete where shallow.

Malcolm Cooper

