Martin S Dennis
Architectural Technician
10 Wesley Close
Sapcote, Leics LE9 4HY
Tel 01455 272275

Proposed Rear
2 Storey Extension
24 Regent Street
Barwell

scale 1:50
dwg no M1107/14
date 10/3/08

For Mr & Mrs Glenn

PP-00394222

Roof: Roseman tiles to match existing on 25x38 SW battens, counter battens & Tyvek Supro breathable felt, 150x47 C16 rafters @ 400 c/s & 145x38 ceiling joists @ 400 c/s, 100 glass fibre between joists & 175 laid across, 12mm plasterb'd & skim to U/S, 100x75 timber wall plates stepped to walls, 175x38 hips & ridge

150x47 C16 @ 400 c/c rafters
145x38 C16 ceiling joists

Eaves: 100hr pvc gutters, upvc fascia & soffit

38° approx (to match existing)

form gutter in grp

Upvc fascia

Walls: 100 conc blocks, 75 cavity with built in dri-therm 32 insulation batts, 100 thermalite turbo blocks, 12mm plasterb'd & skim internally, sand/cement render externally sealed & painted with approved masonary paint, SS wall ties @ 300 c/s horizontally & 450 c/s vertically (300 c/s to door & window reveals)

First Floor: 22mm chipb'd (min mass/unit area 15kg/m²), 145x38 C16 floor joists @ 400 c/s, 100 mm unfaced min wool batts between (min density 10 kg/m³) 12 mm plasterb'd & skim to U/S (min mass/unit area 10 kg/m²), 30x5 M.S straps @ 1.5 c/s engaging 4 no joists & secured to parallel walls

Doors & windows: Upvc double glazed with 16 mm argon filled gap & a 'Soft' low E coating (to achieve 1.8 W/m²k) incorporate trickle vents to give min 8000mm²/room

Ground Floor: 50 sand/cement screed on 100 conc slab, vapour barrier & 80mm Celotex Fast R™ with 20mm T Break™ to slab edges, 1200g polythene dpm continuously linked to dpc on 150 well consolidated sand blinded hardcore

dpc

mass conc footings min 1000 deep below ex GL subject to ground conditions, proximity of trees & invert level of adjacent drain

DEVELOPMENT SERVICES
14 MAR 2008
RECEIVED

Section

Notes

Lintels: Catnic combined steel insulated cavity lintels to external walls, pre-stressed conc to internal walls all to BS 5977.

DPC: 2c engineering bricks & pvc to walls min 150 above GL, dampcore to all openings in cavity walls

Mechanical ventilation: to kitchen to give 60 litres/sec air change & to WC 15 litres/sec.

Heating: any new rads to be fitted with thermostatic valves

Drainage: 100 ø pvc pipes laid to fall 1:40 on granular bed & surround, any new or existing drains running under bldg to be encased in 150 conc inset over where passing thro' walls & surround with compressable material.

Robust Construction details to be adopted (TSO 2001) re thermal bridging of cavities, doors & windows to be draught sealed.
All work to local Authority requirements, Current British Standards & Codes of Practice
All dimensions to be checked on site (including roof pitch)
All services to be located/verified on site by contractor
All materials to be used/fixed strictly in accordance with manufacturers instructions

Electrical: to 'Part P' to be designed, installed, inspected & tested by a competent person, prior to completion the council must be satisfied 'Part P' has been complied with & a BS 7671 certificate must be issued for the work signed by a competent person.