



PROPOSED GROUND FLOOR LAYOUT AND FIRST FLOOR ROOF STRUCTURE

Scale 1:20

M&E Legend	
○	Strip light fitting
○	Pendant lamp fitting
●	Batten lamp fitting
○	Splashproof IPX4 lamp fitting
⊕	Wall light
⊕	PIR sensor switch
⊕	Recessed spot light, fire / acoustic rated
⊕	Spot light cluster fitting
⊕	Emergency Light
⊕	Light switch / fan isolator
⊕	2-way light switch
⊕	Pull cord light switch
⊕	Switch socket outlet
⊕	Double switched socket outlet
⊕	Switch socket outlet over worktop
⊕	Double switched socket outlet over worktop
⊕	Appliance control panel
⊕	45A cooker control socket
⊕	Switch unit for boiler / water heater
⊕	Shaver point
⊕	FM DAB / TV / SAT / Phone triplexer
⊕	Mechanical extract fan
⊕	Condensing combination boiler
⊕	Telephone point
⊕	Room thermostat
⊕	Mains interlinked smoke detector
⊕	Mains interlinked heat detector
⊕	Consumer unit
⊕	Gas point
⊕	Illuminated bell push
⊕	FD30 Self closing 30 min fire door
⊕	Door bell
⊕	Radiator / electric panel heater
⊕	Heated towel rail
⊕	Heating control unit
⊕	Cold water supply
⊕	Hot water supply
⊕	Incoming water supply with stop tap
⊕	Water meter
⊕	w m Washing machine space
⊕	ff Fridge freezer space
⊕	shw Electric shower over
⊕	Video / Audio Entry
⊕	GM Energy Display Device

STRIP FOUNDATIONS AND SUB-STRUCTURE - GENERALLY
 Substructure walls to be two skins of 100mm dense concrete blocks with 120mm cavity filled with lean mix. External / party walls to have 600 x 225mm deep mass concrete foundations depth to be agreed on site with LA Building Inspector (mix FND 2 to BS 5328). Internal walls to have 450 x 225mm deep mass concrete foundations, substructure walls to be 100mm dense concrete block.

GROUND BEARING SLABS - GENERALLY
 Ground bearing slabs to be stiff brushed finish with trowelled perimeter laid to 1:100 fall 150mm deep concrete slab (mix FND2 to BS 5328), in double garages provide A252 mesh reinforcement, 1200 gauge visqueen DPM turned up at perimeter of slab and lapped over wall DPC, 85mm "Kingspan K3" rigid insulation, provide 35mm insulation turned up at perimeter of slab, all on 150mm well compacted type 2 sub-base. **Ground floor to give minimum 0.18 w/mk U-value**

EXTERNAL CAVITY WALLS - GENERALLY
 New external walls to be constructed from smoothed down render, 100mm dense concrete block, 50mm clear cavity, 70mm "Kingspan K8" Rigid insulation, 100mm "Celcon High 7" insulation block finished internally with 12.5mm plasterboard min 8kg/m2 with skim finish. **External walls to give minimum 0.21 w/mk U-value.**

INTERNAL MASONRY PARTITIONS
 Internal block work walls to be constructed in 100mm concrete block work built finished with plaster board and skim. Load bearing walls to be constructed off foundation

INTERNAL TIMBER STUD PARTITIONS
 Internal studwork partitions to be constructed from 75x50mm c.i.s. s.w. studs fixed at 400mm ctrs vertically and 900mm ctrs horizontally. Provide 100mm quilt packed between studs to bathrooms, studs finished with 12.5mm plasterboard and skim both sides. Floor joists to be doubled up under partitions. Stud partitions located in kitchens and bathrooms to be clad in 12mm sterling board beneath plasterboard to enable solid fixings of furniture and appliances.

NEW TIMBER FLOORS
 New floor joists to be stressed graded timber joists at 400mm ctrs with 12.5mm plasterboard ceiling and 22mm "Weyroc" T&G flooring. Provide 100mm quilt insulation between floor joists, or 200mm insulation above unheated spaces. Spans over 3m to have herringbone strutting to mid spans.

Ceilings to underside of all existing and new floors to be 12.5mm plasterboard and skim on new and existing joists. Timber nogginns to be provided at all perimeters of plasterboard sheets.

Ceilings to kitchens and bathrooms to be 12.5mm foil backed Duplex plasterboard and skim on rafters at 400/600mm centers. Timber nogginns to be provided at all perimeters of plasterboard sheets.

Ceilings over internal garages to be 2 layers of 12.5mm plasterboard with skim finish to provide minimum of 1 hours fire protection.

PITCHED ROOF WITH SLOPING SOFFIT
 Concrete interlocking roof tiles, 25x50mm tanalised timber roofing battens, breathable roofing membrane, 150x50 C16 timber rafters at 400mm ctrs, maintain minimum 50mm clear air gap below membrane, 100mm "Kingspan K7" rigid insulation packed tightly between rafters, 62.5mm "Kingspan K18" insulated plasterboard with skim finish. **Roof to give minimum 0.15 w/mk U-value.**

PITCH ROOF WITH FLAT CEILING
 Concrete interlocking roof tiles, 25x50mm tanalised timber roofing battens, breathable roofing membrane, s.w. trusses at 600mm ctrs, 12.5mm plasterboard and skim ceiling, provide 250mm quilt insulation

Wall Legend

—	Existing wall to remain
---	Existing wall below
▨	Face brickwork (Clients spec)
▩	Dense concrete block (1350-1600 kg/m3 for party wall)
▧	Insulation blocks "Celcon" OSA
▬	Timber frame wall
▮	Internal stud partition wall
—	Steel beam over
■	Padstone at beam support

NOTES

- 1) All dimensions in millimeters Unless otherwise noted.
- 2) Drawings intended for purposes as described.
- 3) Any discrepancies to be brought to the attention of RPD Building Consultants immediately.
- 4) Do not scale off this drawing for construction purposes
- 5) This drawing is to read in conjunction with RPD Building Consultants construction notes.

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REVISION	DATE	DESCRIPTION

PROJECT / SITE ADDRESS / CLIENT
 PROPOSED EXTENSIONS AND ALTERATIONS
 10 ELM GROVE, MALPAS, NEWPORT
 NP20 6JF

MR & MRS MIDGLEY

DRAWING TITLE
 PROPOSED GROUND FLOOR LAYOUT

DETAILS

Scales	As shown @ A1	Date	JUL 16
Drawn	Checked		
Job No.	EG10	Drawing No.	05
Status		Revision	

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