

Ceiling joists:
100 x 50mm (C24) at 400 ctrs

New roof to be insulated with 300mm of Rockwool Rollbatts (or similar) to achieve no worse than 0.15 W/m2K and be contiguous with wall insulation at eaves (whilst maintaining cross-flow ventilation).

Rafters:
100 x 50mm (C24) at 400 ctrs

Catnic Heavy Duty lintels to suit existing wall construction

Catnic
CH90/100

Hall

1.83m
(6ft)

Kitchen

Existing foundations to be exposed to check their adequacy to take the additional load imposed by the new structure

Solid floors to be 75mm screed layer on 150mm concrete on 500g polythene on 150mm Celotex PIR insulation board (turned-up at slab edges to prevent cold bridging) on 1200g damp proof membrane (contiguous with dpc's) on sand on 150mm hardcore to achieve 0.18W/m2K or better.

All foundations to be 600mm wide to suitable subsoil, 1000mm deep (min) if in clay, but at least to level of existing adjacent buildings and invert level of all drains passing within 1m of new works. Contractor to ensure all necessary temporary support, edge guarding and Personal Protective Equipment is provided to ensure the safety of all people at risk from this activity.

Depending upon subsoil conditions, the foundations may need to be in excess of 1m deep in accordance with NHBC practice note 4.2. Foundations may require additional structural design in accordance with recognised guidelines for building close to trees should shrinkable sub-soils be encountered. 150 x 100mm r.c. lintel to be provided to each wall skin at point of any pipe crossing.

Notwithstanding the representation on the drawings, the foundations are to meet the requirements of the Local Authority in all respects.

New areas of construction are to be constructed with no significant thermal bridges or gaps in the insulation layer(s) e.g. at joints between floor joists & walls and around window and door openings (in accordance with "Limiting thermal bridging and air leakage: Robust construction details for dwellings and similar buildings 2002"). The contractor to provide a suitable report, if required, by the Local Authority, to confirm that the work has been carried out in accordance with these details.

All electrical works required to meet the requirements of Part P (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so. Prior to completion, the Council should be satisfied that Part P has been complied with. This may require an appropriate BS 7671 electrical installation certificate to be issued for the work by a person competent to do so.

Switches and sockets to be fitted between 450-1200mm above finished floor level

GAS SAFE registered person to carry out any work relating to repositioning of existing boiler if required.

If installation of a new boiler is necessary, a commissioning certificate is required, issued by a person competent to do so.

New radiators to be fitted with thermostatic valves

Waste pipe sizes:-

Svp, stub stack: 110mm dia

W.C. & branches: 110mm dia. (fall 18-90mm/m)

Kitchen sink, basin & bath (<1.7m run) 32mm dia. (fall 18-22mm/m)

Kitchen sink, basin & bath (1.7-3.0m run) 40mm dia. (fall 18-90mm/m)

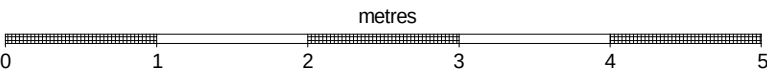
Kitchen sink, basin & bath (3.0m-4.0m run) 50mm dia. (fall 18-90mm/m)

All sanitaryware to have min. 75mm deep seal traps. All sanitary pipework and building drainage to comply generally with BS5572 & BS8301 and Building Regulations Approved Document H1.

All underground drainage to generally comply with Building Regulations Approved Document H2.

All pipework in PVCu with patent joint/seals. Svp's to terminate 1m (min) above highest window opening with durable cage. Stub stack to terminate above level of highest waste trap connected to it.

All drains formed in 110mm dia. PVCu pipework (BS 4660 & BS5481) laid to min. 1:60 fall bedded in pea shingle to BS 882:1983 Table 4 or BS 8301:1985 Appendix D. All joints to be flexible.



Title:	 STEPHEN BIDDLE BSc CEng FICE Email: stephen@sbiddle.co.uk Mob: 07864 122 313 Web: www.sbiddle.co.uk	
	PROPOSED SECTION B-B	Scale: (A3) 1:50
Drwg No:	MICHELL-0624-08	Rev: