

20mm T & G moisture resistant chipboard floor boarding in kitchens, This drawing is the copyright of A.C.Marland and no copies or tracings are utility rooms and bathrooms. Provide and fix 100mm (10kg/m<sup>3</sup>) acoustic quilt between floor joists and The contractor is to check and verify all building and site dimensions, 25mm (10kg/m<sup>3</sup>) quilt between studded partitions, with 12.5mm Ten (10kg/m<sup>3</sup>) plasterboard and skim finish. Provide roof, ceiling and floor lateral support to external and internal walls with 1200mm x 30mm x 5mm galvanised steel straps and noggins at 2m The contractor is to comply in all respects with the current Building Any existing sub floor ventilation to be maintained (minimum 100mm Ø ducting); new sub floor ventilation to be achieved using air bricks to give 1500mm<sup>2</sup>/m linear (215 x 65 at 800mm c/c or 215 x 140 at 1200mm c/c:), or 500mm<sup>2</sup>/m<sup>2</sup> of floor area; all air bricks to be sleeved through cavity

'U' Values: walls: .3W/m²/k; floors: .22W/m²/k; roofs: .2W/m²/k.

complete with cavity tray over.

Smoke detectors to be interlinked with existing electrical system and to have battery backup and to be fitted within 3m of bedroom doors ..

Insulation at ceiling level: .16W/m²/k: 100 glass fibre quilt between joists with 170 glass fibre quilt laid at 90° over joists giving a total thickness of 270mm; fix Tyvek SD-2 air leakage barrier and vapour control layer with taped joints to underside of joists, 12.5mm plasterboard and skim finish; limiting thermal bridging and air leakage to be in accordance with DEFRA robust construction details.

Allow minimum 25 airspace behind fascias and protect with insect mesh; provide eaves baffles to prevent roof void ventilation obstruction; provide venting roof tiles where adequate cross ventilation cannot be achieved; provide venting roof tiles in mono pitch roofs to achieve ventilation equivalent to 5mm continuous gap.

Maximum percentage of glazing to windows, doors rooflights to be no more than 25% of floor area plus doors/windows areas which as a result of the extension, no longer exist or are exposed; windows and rooflights to be fully draught proofed and double glazed in low emissivity 'K'glass, 16mm Argon filled gap to give 1.8W/m<sup>2</sup>/k.

Escape windows fitted to all habitable rooms with escape hinges giving a clear opening of .33m<sup>2</sup> with no dimension being less than 450mm x 450mm; cill heights to 1<sup>st</sup> floors or drops of more than 600mm to 800mm minimum and not more than 1100mm above floor level; loft conversions to have top opening windows with .33m<sup>2</sup> clear opening, minimum 450mm x 450mm, cill heights min. 600mm and max. 1100mm with min. 1700mm to eaves.

Dormer cheeks within 1m of site boundary to have 12mm Supalux fire protection beneath external wall face and 12.5 fire line plasterboard and skim to internal face to give 1/2hr fire protection.

Provide and fix 100 mineral wool ceilings below dormer floor and secure withchicken wire to give 1/2hr fire protection.

Existing ceiling joists below dormer conversions to be hung off new floor joists with 30mm x 5mm galvanised m.s. straps at 800mmc/c.

Laminated or toughened safety glass to be fitted to any locations below 800mm above floor level and doors and glazed panels within 300mm of door edges.

Windows to have opening lights equal to 1/20th of total room floor area. Windows must open more than 30°, otherwise opening free area to be

Windows to have 8000mm<sup>2</sup> background ventilation to all habitable rooms, bathrooms, kitchens and utility rooms; allow 100mm gap below all internal doors.

Mechanical ventilation:

fully insulated.

minimum 1/10th of the total room area.

Bathrooms: 15 litres per second. Kitchens: 60 litres per second or 30 litres per second from cooker hood. Utility Rooms: 30 litres per second.

Sanitary accommodation: 6 litres per second. Rooms with no windows to have 15 minute over run on fan operated by light switch.

Primary light fittings to be capable of receiving lamps having a luminous efficiency of 40 lumens per circuit watt. (Compact fluorescent lamps)

Electric switches and sockets to be located min. 450mm and 1200 max. above floor level.

All new electrical work to meet Part P (electrical safety) of the Building Regulations; to be designed, installed, inspected and tested by a person who is competent so to do.Prior to completion of any electrical work, the Local Authority must be satisfied that an appropriate BS7671 electrical installation certificate has been issued for the work and that it has been signed by a person who is competent so to do.

Any new boilers to be gas fired, condensing, wall mounted, with balanced

All new radiators to have thermostatic valves and all new pipework to be

Heating and hot water systems to be fitted in accordance with the Domestic Heating Compliance Guide.

flue and stainless steel guard, and to be SEDBUK rated 86%.

All structural timber to be stress grade C16 and double vacuum preservative treated; build in double joists below studded partitions and baths, around staircase openings, rooflights and chimney stacks (minimum clearance 50mm), bolted together with 51mmØ double sided round toothed connectors and M12 grade 4.6 bolts at 600c/c. Proprietary joist hangers to suit joist width and loading at junction of all timbers; provide and fix strutting to floor joists at centres to suit spans.

New trussed rafters to be braced diagonally against wind loading and to comply with BS 5268 pt3, details and calculations to be submitted by approved manufacturer prior to construction GM PEAK BC2

- Cille all 3 0 NOV 2006 J. & M. BUILDERS LIMITED 20, Marlborough Road, Buxton. Proposed conversion to self contained apartments. Coach house plans, section+elevations. drawing number 1:50, 1:100, 1:1250 August 2006. 2165:5 A.C. Marland Associates 1 Oakcroft, Stalybridge Cheshire, SK15 2UQ. tel. no. 01457 765255

permitted without the express consent of A.C.Marland.

levels and sewer invert levels at connection points before work

This drawing must be read and checked against any structural or specialist

Regulations whether or not specifically stated or referred to on these

No dimensions are to be scaled from these drawings, all dimensions to be checked before work commences and any discrepancies reported to

Ensure that all Planning and Building Regulations conditions have been discharged to the satisfaction of the Local Authority before work

All works to comply with the workmanship clauses in BS 8000 series and to be in full compliance with current Building Regulations.

The Contractor is to notify Building Control at the appropriate stages of construction for their inspection to confirm full statutory compliance of

If thermal elements of construction are to be altered (walls, floors, roofs, windows and doors) the contractor is to seek Building Control approval prior to construction and be responsible for achieving

Foundations to be taken down to a minimum depth of 760mm below finished ground level and to a depth such as to prevent damage from t roots: actual depth to be agreed with Building Control when site

Foundations within 1m of drainage to be taken down to invert level; build 150 x 100 r.c. lintels into foundation brickwork where drains pass; case all rigid jointed drainage below new structure in 150 concrete, 1:3:6 mix or

Cavity walls below ground level to be filled with lean concrete and weathered 225 below lowest d.p.c. level; d.p.m. to be lapped over d.p.c.

Internal walls and timber floor sleeper walls to be built off thickened slab of strip foundation or as agreed with Building Control.

Any existing foundations and structures supporting new structural loading are to be exposed for inspection by Building Control and if requested upgraded and underpinned to the satisfaction of the Local

All new brickwork and masonry to be bonded to existing walls and cavities maintained, or tie in with proprietary bolted starter anchor sys together with insulated vertical d.p.c. installed in strict compliance with

All brickwork and masonry returns and corners to be a minimum 550mm. Wall ties to be double triangle stainless steel to BS 1243 at 750 c/c horizontally, 450 c/c vertically and 225 of height around reveals, ties embedded minimum 50mm into walls; ensure correct clips are used for

All steel lintels to have minimum 150mm end bearing; timber joists to

Install insulated Catnic lintels, or of other approved manufacture, over openings complete with cavity tray, stop ends, weep holes at 900c/c and cased in plasterboard to give 1/2 hr fire protection.

Steel beams to sit on concrete padstones minimum 300mm x 250mm x 150mm deep, (where only 100mm is possible provide 450mm x 100mm 150mm deep concrete spreader); existing piers and walls supporting new steelwork to be made good and rebuilt if formation of openings has

Steelwork to be coated in zinc primer prior to installation and spaced and bolted together where specified with M12 bolts at 1000 c/c; case all new steelwork with 2 layers 12.5 plasterboard and skim on 50mm x 50mm cradle to give 1/2 hr fire protection, web filled with mineral wool to reduce

Internal door openings (max. 1200mm) to have 150mm x 100mm r.c. o Catnic lintels with minimum 150mm end bearings.

Cavity walls to be closed at head with mineral wool and dressed over wal

New below ground drainage to be approved100mm plastic or clay drainage system laid to minimum1:40 falls, 150mm concrete or pea gra-

Drainage runs shown on the drawings are assumed and checks should be made on site to establish exact locations before work commences; cap

Baths, w.h.b's, sinks, bidets to have 38mm p.v.c. waste pipes with 75mm deep seal anti vac traps. Combined waste pipes to be 50mm minimum. No

into s.&v.p. within 200mm of w.c. connection; air relief valves to be

Casings to s.&v.p. to be fixed with cups and screws to allow for

maintenance and access; s.&v.p. to have rodding access at base and all changes of direction; terminal vent be 900 above window heads and rooflights and to have balloon grating with weathered slate to roof

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