

designed, manufactured, braced and installed to BS EN 1995-1-1:2004+A2:2014 as amended. Roof to be constructed as a cold deck roof, insulated to achieve a U value of 0.20W/m² with either 120mm thickness of rigid foam or 200mm of mineral wool or natural insulation as per Part L Building Regs with plasterboard cover. All ceiling to be asbestos boarded and sealed.

Exterior Walls: 550mm cavity construction. Outer leaf 100mm brick laid up to match existing, new walls to be constructed in 100mm thermacore insitu inner leaf with 12mm plaster board and skim. Wall ties to be at 900mm centres horizontally and 450mm vertically (300mm max. overhang). Walls properly bonded to existing (Chairs to be continuous and extend 225mm below DPC to be 150mm above the next DPC). Vertical cavity ties to be 150mm apart, vertical DPCs to be continuous and overlap. Vertical cavity tie to be coated by DAMACOR insulated DPC, or Thermastair insulated cavity closure. Frames to overlap DAMACOR by the thickness of the insulation or Thermastair by min. 10mm. Cavities to be continuous with warm roof cavity. Basement walls to be externally waterproofed with French tan to soak away.

Internal Walls 100mm thermowall block, plastered both sides on foundation a,b,d if loadbearing or 300 x 200mm slab thickness if non load bearing. Partitions 75x50mm timber studding (at 400mm centres) with 9.5mm plasterboard covering and plaster skim, fireglass infilled where required.

Floor Beams extend (nearly) on minimum 100 mm concrete T-beam, usually again linked to the wall down to the ground level. The beams are made by casting under floor min. 100mm pipes. Extending ground floor to be levelled with beams repositioned and re running as required. New ground floor above basement and first floor to be 22mm gl'f board on timber joists (Sizs 18C) floors. Beams to be underlaid with min 9mm plasterboard and skim.

Foundations 600mm x 200mm min to exist walls and foundations. Foundations depth min 1m in dry schools and below and drain within 1m. Foundations to be constructed in accordance with building regs v1A2. It is assumed that at early stages that the ground conditions are suitable for the proposed foundation type. If it is found that additional support is required or proven inadequate within work commensurate by Building Officer

Drainage New drains 100mm dia at 1 in 40 fall, laid, jointed and backfilled to manufacturers specification. Any soil pipes to be 100mm dia pvc extending min 900mm above operating lip within 5m with cage. Waste pipes to pvc to S&V, p or h gully. Baths, showers & sinks to be 40mm dia pvc. Baskets to be 32mm dia. Combined 50mm dia. Fall min 1 in 55, support brackets at max 600mm spacing, rod access at bends. Anti siphon traps to all fittings, 125mm section gutters & 75mm dia rips discharging over trapped gully.

[illegible]

General Building contractor to check all dimensions on site before work commences. All work to comply with current building regulations, relevant codes of practice and established working practices whether or not specified within the drawings. It should be noted that the drawings have been put together for the purposes of obtaining building regulation and planning permission where required and are not intended as a full constructional service.

PLANNING

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Proposed Plan Dimentions

PROJECT NO:	DRAWING NO:	REVISION:
Apex 1:50@A1	19/7/24	CJ

