

Proposed Front Elevation Scale - 1 : 100

Proposed Side Elevation Scale - 1 : 100

Proposed Rear Elevation Scale - 1 : 100

BRIEF SPECIFICATION

Roof Construction:

Interlocking concrete roof tiles, colour to match existing on 50 x 25mm s/wd tiling battens nailed through TYVEC breathable roofing felt to proprietary roof trusses @ 600mm cts. 100 x 25mm swd, longitudinal & diagonal bracing. All trusses and bracing to be in strict accordance with BS5268.
 100 x 50mm s/wd wallplate strapped to wall at max. 2.0m cts. using 30 x 2.5mm galvanised m.s. straps. Lateral restraint provided at gable walls by 30 x 5mm m.s. lateral restraint straps at rafter and ceiling level at max. 2.0m cts. taken over 3No. rafters. All rafters to be nogged out below restraint straps.
 300mm glass fibre insulation, laid 150mm between joists and 150mm across joists.
 Roof ventilation provided by proprietary eaves ventilator running full length of eaves providing equivalent to a 10mm continuous air gap.
 Ceiling underdrawn with 12.5mm plasterboard & skim.

Windows:

All new windows to be fully double glazed and to have trickle vents providing 8000mm² ventilation. Windows to provide 1/20th floor area opening lights and 1/10th floor area glazed. Windows to be draught proofed and have a air gap of 16mm.
 Double glazing to be 16mm air space units (24mm width overall) filled with argon gas, with a Low - E soft coating to achieve a U value of 1.60 W/m² K.
 All new doors and windows to be glazed with Pilkington K glass.

Foundations:

21N/mm² concrete trench fill foundations 600mm wide, taken to same depth as existing, minimum 1.0m.

Drainage:

sink to have 38mm dia. waste with 75mm deep seal anti vac trap, taken to existing drain via back inlet gully.
 112mm half round guttering with 65mm dia fall pipes, connected to existing drain
 New drainage to be 100mm dia. vitrified clay with flexible o ring joints on pea gravel bed and surround laid top a minimum fall of 1 in 40.
 Drains passing under extension to be encased with 150mm concrete.
 Drains passing through walls to have reinforced concrete lintels over.
 New drain runs to be discussed and agreed on site. Runs to be installed to a line and fall with access for rodding and maintenance to all changes of direction and laid on pea gravel bed and surround. Contractor to ensure that all existing drainage utilised is live and appropriate to serve the type of waste water carried to / through them (surface/gray/foul).

General:

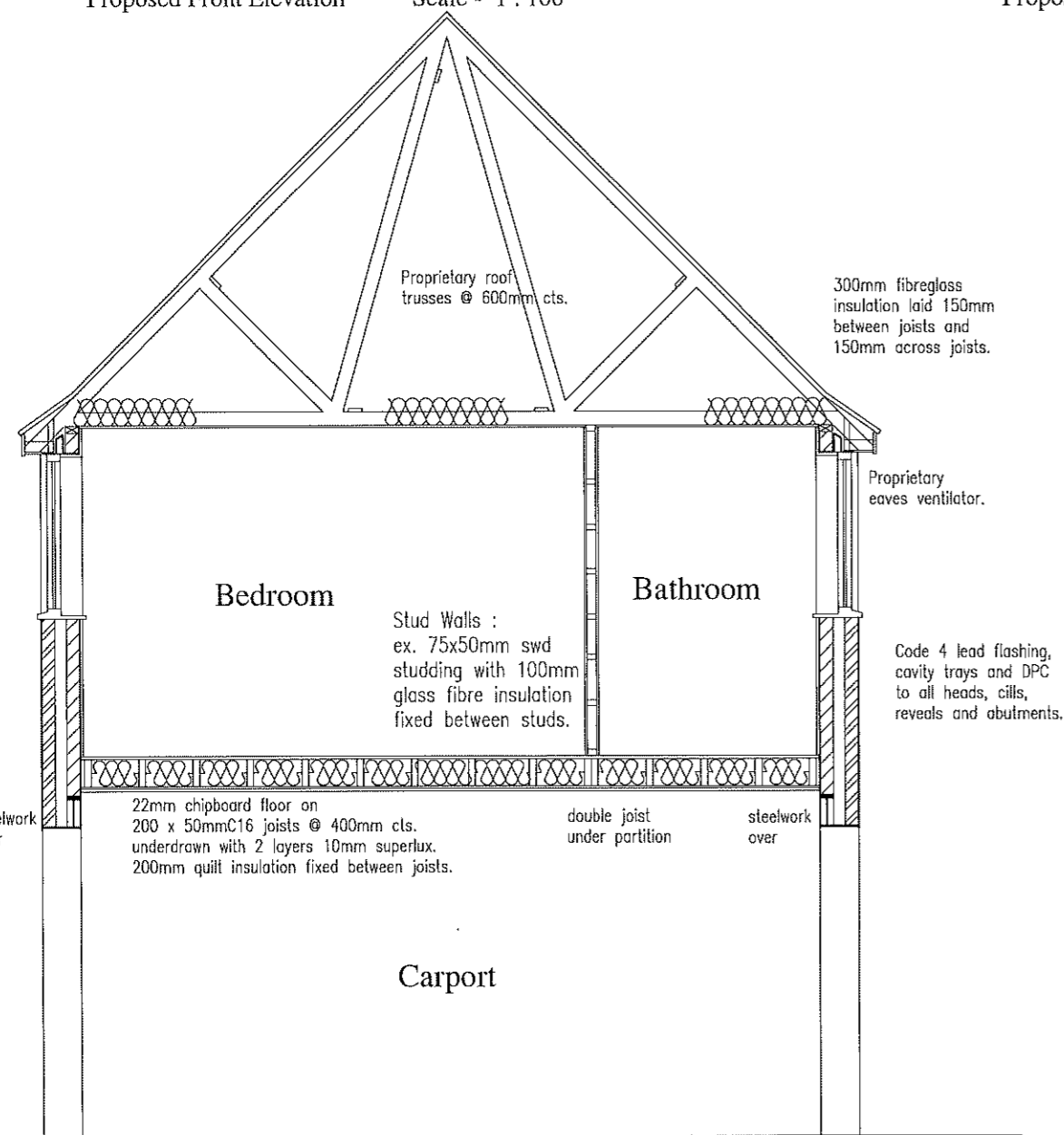
Thermostatic radiator valves to all radiators in extension.
 No heating appliance is affected by the extension.
 Glazed doors to comply fully with BS8206.
 Structural steelwork to be encased in 2 layers 12.5mm plasterboard & skim.
 Mastic sealant to be provided to all windows externally including under sill and under lintel. Also to be provided around windows internally including under the window board.
 New bedroom to incorporate a new light fitting with a socket that can only be used with lamps having an efficacy greater than 40 lumens per circuit watt.
 All electrical work 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 of work the District Surveyor is to be provided with evidence to demonstrate that either:
 a) The electrical work has been carried out by a person who is a member of a relevant "Competent Person Scheme"; or
 b) The requirements of Part P have been complied with and that an appropriate BS7671 electrical installation certificate has been issued by a person competent to do so.

Cavity Wall Construction:

300mm cavity wall construction comprising of 100mm outer skin of facing bwk. to match existing, 100mm cavity (with 100mm DRITHERM cavity batts) 100mm inner skin of CELCON SOLAR blockwork or equal, all to give a 'U' value of not greater than 0.28w/m²c.
 Both leaves of wall to be tied together with stainless steel wall ties @ 900mm cts. horizontally and 450mm cts. vertically or to a maximum of 225mm cts at openings. Lintels over structural openings to be CATNIC CB90 or equal with a minimum of 150mm end bearing. Vertical and horizontal dpc's to be fitted to all external openings. THERMABATE cavity closures to be used at all new external openings. Cavity tray dpc's over all openings not protected by eaves. New walls to be block bonded to existing to the satisfaction of the Local Authority Building Control Officer.

First Floor Construction :

22mm chipboard floor type II/III on 200 x 50mm swd. joists @ 400 cts. Solid strutting provided at mid span. Ceiling underdrawn with 12.5mm plasterboard and skim.



Section A.A.

Rev. A Dimensions added to front elevation.

Description	Rev	Date
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Project Title		
62 THIRLMERE ROAD, CHESTERFIELD, DERBYSHIRE, S41 8EL		
Drawing		
Proposed 2 Storey Extension & Internal Alterations Proposed Section & Specification		
Scale	Drawn By	Revision
1 : 50	NTR	A
Date	Drawing No	
JULY 2019	TK3/07/20	