

Scale: 1:1250 @ A1

Site Plan

Scale: 1:500 @ A1

Block Plan

To be a min.150mm above finished ground level. An insulating vertical cavity closer and dpc, i.e Thermabate, is to be provided

to all cavity closures. A cavity tray, stepped as applicable, is to be constructed within the wall immediately above an abutment.

Roof to be covered with concrete tiles to match existing on 38 x 25mm tanalised battens on one layer of approved breathable

Gable wall to be strapped at max. 2.0m centres using 30 x 5mm galvanised MS straps. Noggins to be positioned between

Roof to be insulated with Rockwool or Fibre glass blanket insulation 100mm laid between joists and 170mm min. laid over joists

underlay on 125 x 50mm common, jack and cripple rafters (or as required by BCO) at 450mm centres.

rafters to support metal strap along its whole length and strap turned over uncut block.

(min. 270mm thickness). 50mm gap to be maintained between insulation and underlay.

100 x 38mm ties 100 x 50mm struts

150 x 50mm purlins. 125 x 50mm binders

100 x 50mm main ceiling joists 175 x 32mm ridge board.

. New door opening in bedroom wall – 2 no. Catnic BHD100 combined box lintels or similar and 1200mm long. 2. New window - CG50/100 or similar and 1500mm long. f internal wall is to be in blockwork, use 1 no. BHD100 combined box lintel or Lintels to be installed to manufacturer's specification with lintel stop-ends, cavity tray and 150mm min. end bearings and to be protected with min. 15mm gypsum plasterboard and skim finish to give a min. half hour fire protection. Window to new en-suite shower room to be purpose made UPVC to match the window fitted to the bathroom of the dwelling, double glazed using glass having a soft low E coating with an emissivity value of 0.05 with min. 16mm air gap to sealed unit, and weather stripped. 'U' value of double glazing to be 1.6W/m2K. Background ventilation is to be provided by a trickle vent set within the construction of the window. The area of the trickle vent to be a minimum 2500mm². Double glazed manufacturer's certificate to be provided to prove compliance of the glazing to that specified. All internal doors are to be 838mm wide. Window to new en-suite shower room to be purpose made UPVC to match the window fitted to the bathroom of the dwelling, double glazed using glass having a soft low E coating with an emissivity value of 0.05 with min. 16mm air gap to sealed unit, and weather stripped. 'U' value of double glazing to be 1.6W/m2K. Background ventilation is to be provided by a trickle vent set within the construction of the window. The area of the trickle vent to be a minimum 2500mm<sup>2</sup>. Double glazed manufacturer's certificate to be provided to prove compliance of the glazing to that specified. Rainwater from new roof will discharge to UPVC guttering to match existing and fall to UPVC rainwater downpipes at the front corners of the extension. One downpipe will discharge to an existing soakaway, whilst the other will discharge to a new soak away, similarly to that described for the garage. Fascia, soffit and barge board to extension are to match the existing. Soffit boards to be ventilated. Foul water from the dwelling is discharged to a chamber adjacent to the bathroom and is 600mm long x 460mm wide. It is located approx. 1.0m from the dwelling. The invert level is -0.36, which is insufficient to achieve a fall of the foul water drainage pipe of 1:40. The waste from the en-suite is therefore to be discharges to the next downstream chamber located in the back lawn adjacent to the conservatory. Waste water from the en-suite shower room will discharge to a 100 dia. stub stack. The new wash hand basin and wc pan will connect to the stub stack above finished floor level. The waste pipe from the level access shower tray to be laid in the floor finish with the correct fall, and connected to the stub stack below the finished floor level. Where the 100mm drainage pipe passes through the wall of the extension, it is to be protected by the use of a lintel over. Both sides of the wall to be masked with rigid sheet material with 50mm clearance of the pipe and the void compressible material to Excavate a trench from the extension up to the existing inspection chamber, bed and surround the new UPVC 100mm drainage pipe with suitable granular material (pea gravel), ensuring at least 100mm between pipe and bottom of trench. Fill over crown of pipe with 75mm of granular material (pea gravel) and lay concrete paving slab above pipe, and backfill with excavated material. Drainage pipe to discharge to inspection chamber by Drop Shaft or Back Drop Connection. BCO to check stages of The en-suite shower room is to be mechanical ventilated direct to external air. The capacity of the extractor is to be 15 litres/sec. The door to the en-suite is to have a gap at the bottom of 10mm above floor finish. Style and design of wc pan and wash hand basin to be selected by client. WC suite to consist of vitreous china close coupled pan and cistern. WC pan to be screwed to floor and 6 litre cistern plugged to wall. Cistern to be fitted with an internal overflow. WC pan to be connected to stub stack. Vitreous china wash hand basin to be either on brackets or pedestal, and fitted with quarter turn lever style taps. Plastic trap to be fitted to basin with 32mm pipework connected to stub stack. All incoming hot and cold service pipework en-suite fittings to be fitted with proprietary isolating valves. Shower area to be formed using a 1400 x 900mm proprietary former with a 1:80 gradient and set in floor screed. Install an approved trapped gravity waste outlet Initials (Tuff Form seal trapped shower waste outlet ref: TF75 with a 50 x 45mm solvent Rev. Date Notes weld reducer or similar). A 45mm waste outlet pie to be set in floor and connected Proprietary curved 'walk-in' shower enclosure with low profile acrylic tray, 1400 x 900mm and height 40mm with an approved trapped shower waste outlet connected to new stub stack as previously described. Thermostatically controlled shower unit with anti-scold device fitted, (water temperature not to exceed 43 degrees centigrade), adjustable height shower head on riser bar with extended flexible hose 2.0m in length. Control unit to be served by a mains supply of cold water of a min. pressure of 1.0 bar with an in-line isolating stop tap. All exposed pipework to be in chrome and suitable clipped to wall. Flooring to be slip resistant Altro Aquarius or similar approved with coved skirting and capping. All joints to be fully hot welded to provide a waterproof seal. Project: 12.5mm plasterboard with skim coat of plaster finish. 32 Arundel Road Internal tiling and decorations to suit client's requirements. Hartford **ELECTRICAL INSTALATION** The shower control unit to be electronically wired in accord with I.E.E. Regulations Huntingdon using a double pole 35 amp isolating pull switch and an R.C.C.B. if required. Lighting in en-suite to be by a suitable vapour-proof fitting Cambs

**PE29 1YW** 

Drawing Title:

Notes for New Garage and Extension and Plans, Elevations, Details Of New Garage & Extension and Site and Block Plans

Scale: Drawn: Date: 14-03-2014 1:100 @ A1

Drawing No :

Rev: