



New electrical installation to be carried out in accordance with requirements of parts 1 and 2 of part P of schedule 1 of B. Regs 2000 as amended. An elect installation certificate to BS 7671:2008 to be issued to Council prior to completion of works by Registered Electrician. Internal lighting to new works to have energy efficient bulbs/fittings.

When completed heating and hotwater systems to be inspected and commissioned to ensure they operate correctly and efficiently and achieve compliance to AD21. Written certificate to be provided to Council on completion. All new radiators to have thermostatic valves fitted.

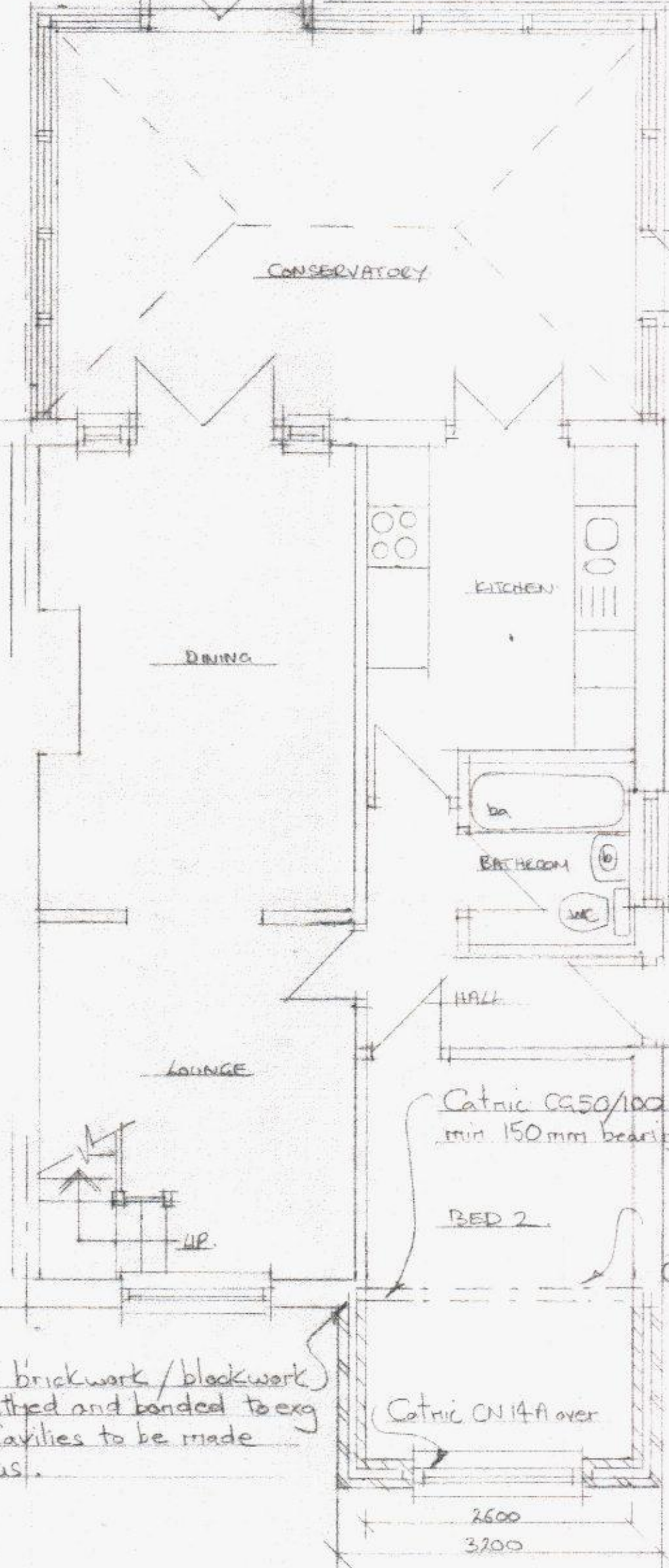
Code 4 lead to be used on 25mm ext quality ply valley boards at roof/roof junctions. All materials and details to be constructed to resist the passage of rain or snow to the inside of the building, and not to transmit moisture to any other parts of the building.

Thermal continuation to be maintained to all external junctions, openings, abutments etc to prevent cold bridging.

FRONT ELEVATION

SIDE ELEVATION

SIDE ELEVATION



Cavities to be 100mm, wall ties of suitable type to be built in @ 450mm c/s and halved around openings. Cavities to be maintained min 150mm below dpc.

New HPVC doors and windows to be double glazed and provide opening area min 1/20th of floor area and have back ground ventilation via trickle vents of 8000mm². All glass to be Pilkington K Glass. Glazing to conform to BS 6206. All new windows and doors to have max U-Value of 1.6 w/m²K.

Continuous 100x50mm s/wood wall plate strapped to walls with galv. m.s straps 30x5x1000mm @ 2000mm c/s.

Cavities to be closed with properly insulated cavity closers of non-combustible material.

47x220mm timber ridge beam

Ventilated ridge tiles to give min equivalent of continuous 25mm air gap

Roof tiles to match exg on 38x25mm s/wood battens on approved wearable, breathable roofing felt, lapped 150mm at joints and secured with clout nails on 47x100mm C24 gauge timber rafters @ 600mm c/s.

Min 50mm gap between insulation and roofing felt.

Continuous 25mm air gap to be maintained at eaves.

New cavity walls to be face brickwork to match exg, with inner skin of 100mm Celcon Solar blocks with 100mm cavity, 50mm left clear and 50mm Kingspan K8 cavity board insulation. Inner skin finished with 2 coats of lightweight plaster to give U-Value of 0.28 w/m²K. Core blocks to be used below ground level and cavity to be filled to within 75mm of ground level. Vent dpc's to be used at all reveals.

Dpm lapped with dpc

Foundations to be 600x450mm C15 P grade concrete. Min depth from GL to be 1000mm, or to LA Approval and local soil conditions.

47x145mm C24 grade timber ceiling joists @ 600mm c/s with 9.5mm plasterboard ceiling with plaster skim finish, with 100mm rock wool quilt laid between joists and 200mm laid over joists to give U-Value of 0.13 w/m²K.

EFL to line through with Exg

Slab to be 70mm sand/cement screed with chicken mesh wire reinforcement on vapour barrier on 80mm Thermofloor TF70 Kingspan insulation on 1200 gauge polythene dpm on 100mm concrete slab on 150mm well compacted and blinded hardcore, to give min 0.22 w/m²K U-Value. Wall and floor insulation to overlap to prevent cold bridging.

SECTION A-A 1:20

FIRST FLOOR PLAN

GROUND FLOOR PLAN

PROPOSED SINGLE STOREY FRONT EXTENSION

52 SILVERDALE DRIVE, WATERLOOVILLE

PLANS, SECTION AND ELEVATIONS

Scale 1:50, 1:20 Date MAY 13

427/13/01 P Davy CIAT, CIOB

REVISIONS