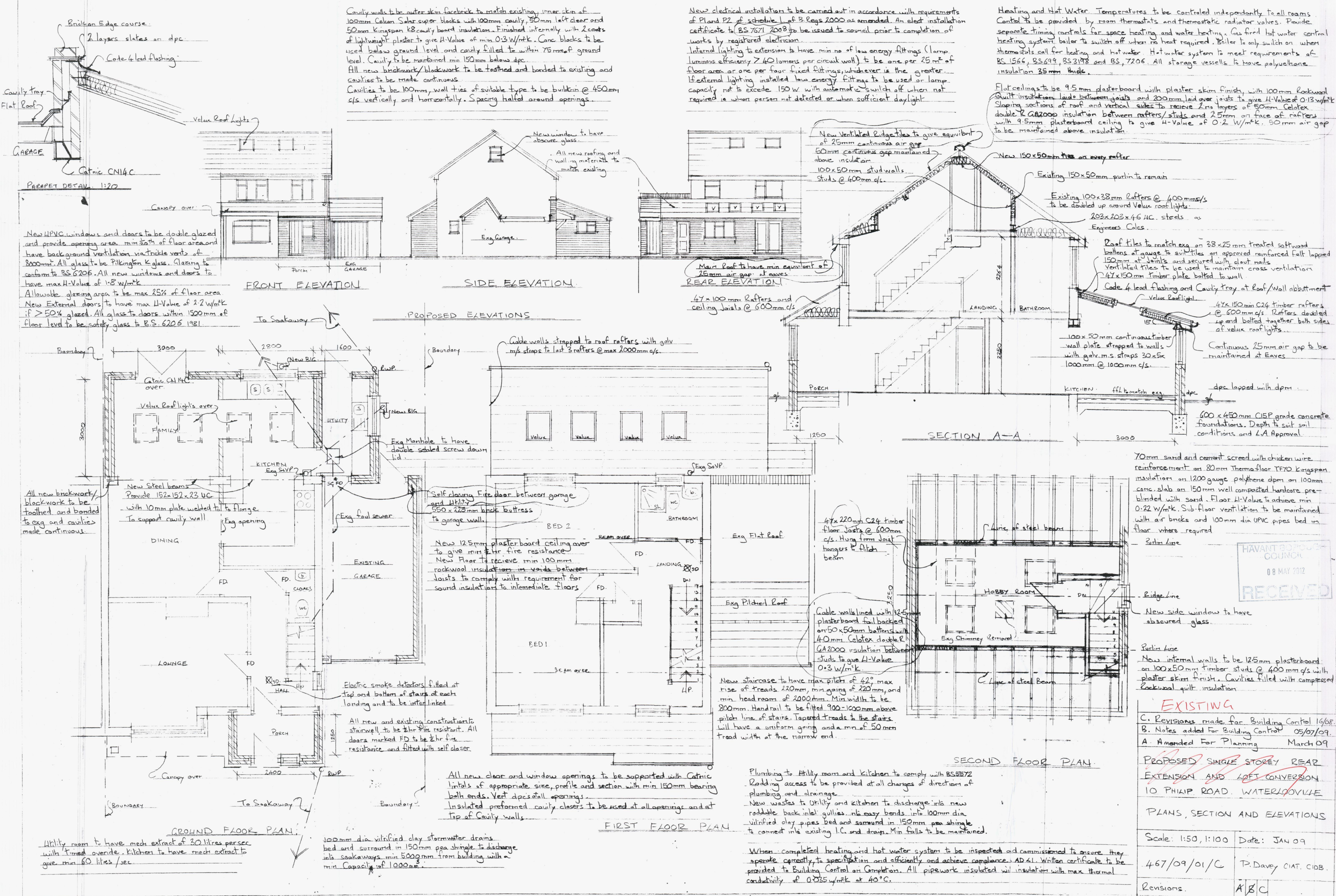




Brick on Edge course.
2 layers slates on dpc.
Code 4 lead flashing.
Cavity Tray
Flat Roof
GARAGE
Carnic CNI4C
PARAPET DETAIL 1:20

New UPVC windows and doors to be double glazed and provide opening area min 20% of floor area and have background ventilation via trickle vents of 800mm. All glass to be Pilkington K glass. Glazing to conform to BS 6206. All new windows and doors to have max U-Value of 1.8 W/m²K.
Allowable glazing area to be max 25% of floor area.
New External doors to have max U-Value of 2.2 W/m²K if > 50% glazed. All glass to doors within 1500mm of floor level to be safety glass to BS 6206 1981.

All new brickwork/blackwork to be toothed and bonded to exg and cavities made continuous.

Cavity walls to be outer skin facebrick to match existing, inner skin of 100mm Celcon Solar super blocks with 100mm cavity, 50mm left clear and 50mm Kingspan K8 cavity board insulation. Finished internally with 2 coats of lightweight plaster to give U-Value of min 0.3 W/m²K. Conc blocks to be used below ground level and cavity filled to within 75mm of ground level. Cavity to be maintained min 150mm below dpc.
All new brickwork/blackwork to be toothed and bonded to existing and cavities to be made continuous.
Cavities to be 100mm, wall ties of suitable type to be built in @ 450mm c/s vertically and horizontally. Spacing halted around openings.

New electrical installation to be carried out in accordance with requirements of Part P2 of schedule 1 of B. Regs 2000 as amended. An elect installation certificate to BS 7671 2008 to be issued to owner prior to completion of works by registered electrician.
Internal lighting to extension to have min no of low energy fittings (lamp luminous efficiency > 40 lumens per circuit watt) to be one per 25 m² of floor area or one per four fixed fittings, whichever is the greater.
If external lighting installed low energy fittings to be used or lamp capacity not to exceed 150 W with automatic switch off when not required ie when person not detected or when sufficient daylight.

Heating and Hot Water. Temperatures to be controlled independently to all rooms. Control to be provided by room thermostats and thermostatic radiator valves. Provide separate timing controls for space heating and water heating. Gas fired hot water central heating system boiler to switch off when no heat required. Boiler to only switch on when thermostats call for heating and hot water. Hot water system to meet requirements of BS 1566, BS 699, BS 3178 and BS 7206. All storage vessels to have polycarbonate insulation 35mm thick.

Flat ceilings to be 9.5mm plasterboard with plaster skim finish, with 100mm Rockwool quilt insulation laid between joists and 200mm laid over joists to give U-Value of 0.13 W/m²K. Sloping sections of roof and vertical sides to receive 2 no layers of 50mm Celotex double R GA2000 insulation between rafters/studs and 25mm on face of rafters with 9.5mm plasterboard ceiling to give U-Value of 0.2 W/m²K. 50mm air gap to be maintained above insulation.

New Ventilated Ridge tiles to give equivalent of 25mm continuous air gap.
50mm continuous gap maintained above insulation.
100x50mm stud walls.
Studs @ 400mm c/s.

New 150x50mm timber on every rafter.
Existing 150x50mm purlin to remain.
Existing 100x38mm rafters @ 400mm c/s to be doubled up around Velux roof lights.
202x203x4.6 HC. steels as Engineers Calc.

Roof tiles to match exg on 38x25mm treated softwood battens at gauge to suit tiles on approved reinforced felt lapped 150mm at joints and secured with stout nails.
Ventilated tiles to be used to maintain cross ventilation.
47x150mm timber plate bolted to wall.
Code 4 lead flashing and Cavity Tray at roof/wall abutment.
Velux Rooflight.

47x150mm C24 timber rafters @ 600mm c/s. Rafters doubled up and bolted together both sides of velux rooflights.
100x50mm continuous timber wall plate strapped to walls with galv.m.s. straps 30x5x1000mm @ 1000mm c/s.
Continuous 25mm air gap to be maintained at Eaves.

600x450mm C15P grade concrete foundations. Depth to suit soil conditions and L.A. Approval.

70mm sand and cement screed with chicken wire reinforcement on 80mm Thermo floor TFXO Kingspan insulation on 1200 gauge polythene dpm on 100mm conc. slab on 150mm well compacted hardcore pre-blended with sand. Floor U-Value to achieve min 0.22 W/m²K. Sub floor ventilation to be maintained with air bricks and 100mm dia UPVC pipes bed in floor where required.

HAVANT BOROUGH COUNCIL
08 MAY 2012
RECEIVED

New side window to have obscured glass.
Ridge Line
Purlin Line
New internal walls to be 125mm plasterboard on 100x50mm timber studs @ 400mm c/s with plaster skim finish. Cavities filled with compressed Rockwool quilt insulation.

EXISTING
C. REVISIONS made for Building Control 19/08
B. Notes added for Building Control 05/07/09
A. Amended for Planning March 09

PROPOSED SINGLE STOREY REAR EXTENSION AND LOFT CONVERSION
10 PHILIP ROAD, WATERLOOVILLE
PLANS, SECTION AND ELEVATIONS

Scale: 1:50, 1:100 Date: JAN 09
467/09/01/C P. Davey CIAT, CI0B.
Revisions: A/B/C

Plumbing to Utility room and Kitchen to comply with BS 5572.
Rodding access to be provided at all changes of direction of plumbing and drainage.
New wastes to Utility and Kitchen to discharge into new roddable back inlet gullies into easy bends into 100mm dia vitrified clay pipes bed and surrounded in 150mm pea shingle to connect into existing I.C. and drains. Min falls to be maintained.

When completed heating and hot water system to be inspected and commissioned to ensure they operate correctly, to specification and efficiently and achieve compliance AD 41. Written certificate to be provided to Building Control on Completion. All pipework insulated with insulation with max thermal conductivity of 0.035 W/mK at 40°C.

All new door and window openings to be supported with Carnic lintels of appropriate size, profile and section with min 150mm bearing both ends. Vent dpc detail openings.
Insulated preformed cavity closers to be used at all openings and at top of cavity walls.

100mm dia vitrified clay stormwater drains bed and surrounded in 150mm pea shingle to discharge into soakaways min 5000mm from building with a min Capacity of 1000mm.