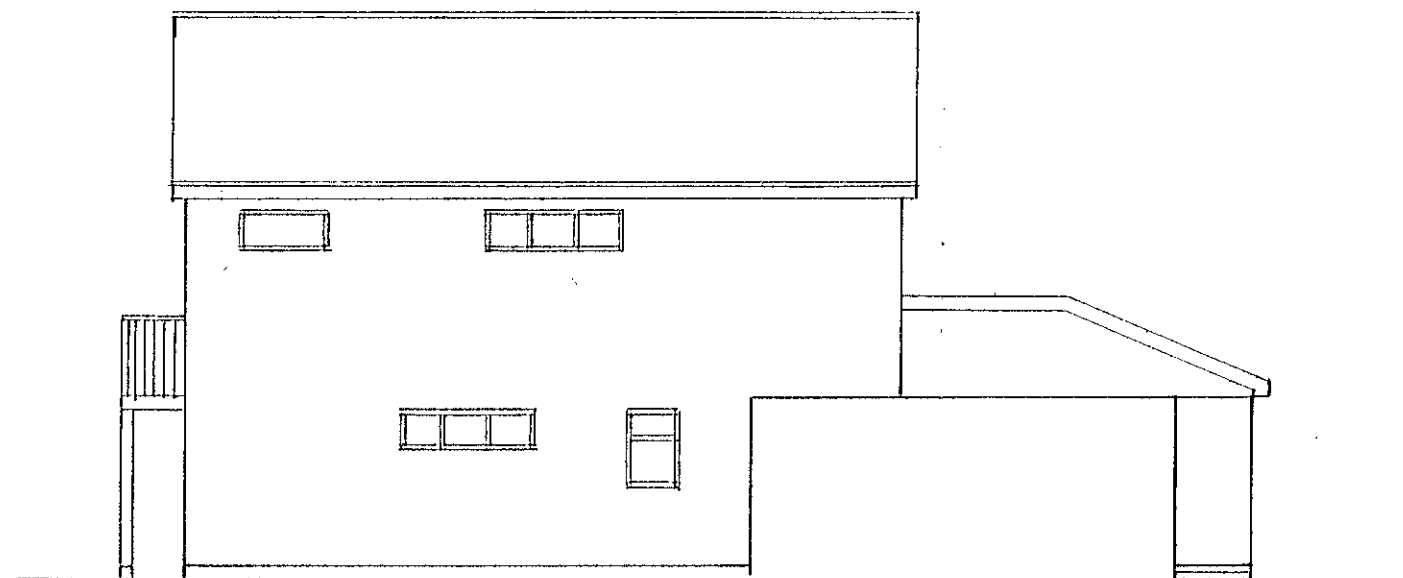


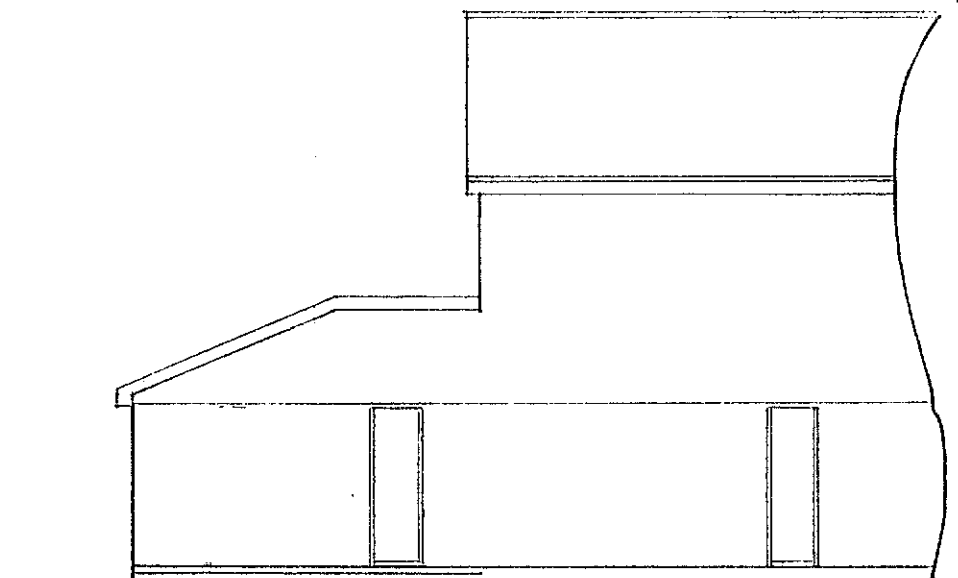


west



south

1 : 100



east

SPECIFICATION:-

TILED ROOF:- Concrete interlocking tiles to match existing on 50 x 25mm sawn treated battens on 'Tyvec' OR similar breather felt to BS747 on 150 x 50mm C.16 rafters @ 400mm c/c. Install 2No 1340 x 980mm rooflights with manufacturer's tile flashing and 2No rafters spiked together to rooflight cheeks. All roof tiling to be carried out to BS5534:2014, with all tiles mechanically fixed to battens.

Provide 100mm 'Celotex' insulation laid between rafters with a min. 50mm air gap between insulation and roofing felt and 45mm 'Celotex' [0.20W/m2K] fixed continuously to underside of rafters and 12.5mm plbd. and set coat over.

FLAT ROOF:- GRP fibreglass laid in-situ with top resin coat to AC fire resistant designation OR 12mm mineral chippings bitumen bedded on 3 layers of built up bitumen felt roofing to BS 747 on 18mm OSB boarding on 50mm wide furring pieces to give min. 1:60 fall on 150 x 50mm C.16 joists [FR1] @ 400mm c/c. Provide 100mm 'Celotex' insulation laid between flat roof joists with a min. 50mm air gap between insulation and decking and 45mm 'Celotex' [0.20W/m2K] fixed continuously to underside of joists and 12.5mm plbd. and set coat over.

LOWER WALLS:- Below G.L. cavity construction of 'Thermalite' standard blk. OR dense conc.blwk. Lean mix concrete cavity fill to min. 225mm below d.p.c. Above G.L. outer skin of 100mm 'Thermalite' standard blockwork with render and colour wash finish all to match existing, 100mm cavity filled with 'Dritherm 37' cavity wall batts [0.27Wm2K] and inner skin of 100mm 'Thermalite' Turbo insulation blk. dry lined with 12.5mm plbd. and set. Provide 'Catnic' stainless steel wall plates at connections with new and existing with cavities running continuously. 225mm long stainless steel wall ties @ 750mm horz., 450mm vertical and 225mm c/c. at reveals. 'Catnic' lintels OR similar over openings with upvc insulated cavity closers at reveals. Bed 100mm horz. d.p.c. min. 150mm above G.L. Bed 100 x 50mm wall plate tied to blk. with 32 x 6mm galv. m.s. straps @ 1800mm c/c.

Note: Alternative cavity insulation of 50mm clear cavity and CW3045 'Celotex' wall batts positioned against inner skin with plastic wall tie clips. Close cavity at eaves.

UPPER VAULTED WALLS:- Marley Cedral cement boarding on 50 x 25mm vertical battens on Tyvec' OR similar breather felt to BS747 on outer skin of 100mm 'Thermalite' standard blockwork, 100mm cavity filled with 'Dritherm 37' cavity wall batts [0.27Wm2K] and inner skin of 100mm 'Thermalite' Turbo insulation blk. dry lined with 12.5mm plbd. and set.

FLOOR:- 70mm screed OR 22mm t & g moisture resistant flooring grade chipboard with fully glued joints on GA3080 'Celotex' [0.22Wm2K] insulation on 3 coats of 'Cementone' water based d.p.m. on 100mm thick concrete [Gen 1] oversite slab on well compacted hardcore OR rejects. ADJUST LEVEL OF OVERSITE SLAB SO FLOOR LEVELS RUN CONTINUOUS WITH EXISTING SOLID CONCRETE FLOOR.

FOUL DRAINAGE:- Extend existing gully to new floor level and provide double seal screw down cover and frame. Provide concrete lintels over drains where pass through brickwork. Provide 600mm wide A142 reinforcement mesh over drain in oversize slab.

STORMWATER DRAINAGE:- 100mm dia h.r. pvc gutters to 65mm downpipes to 100mm dia. 'Osma' underground pipe laid to 1:40 falls with 100mm bed and surround of 10mm peashingle to GEO fabric lined plastic cellular crates min. 1 cubic metre per 20 sq. metres of roof area below invert and min. 5.00 metres from building.

VENTILATION:- Provide min. 1/20th floor area ventilation to all habitable rooms. Provide background ventilation with 5000 sq.mm trickle vents to all habitable room fitted into heads of window frames.

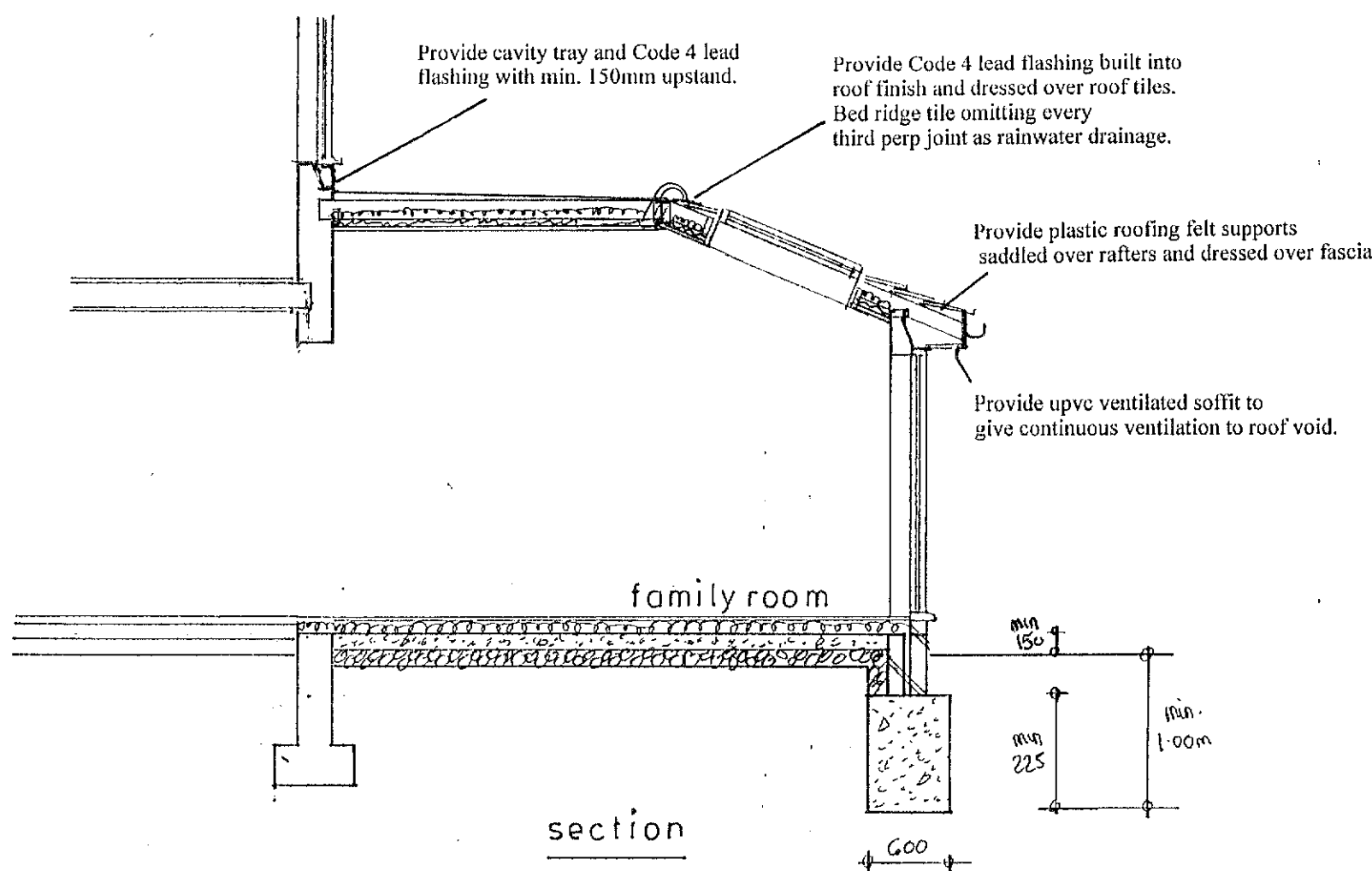
GLAZING:- Provide double glazed argon gas filled sealed units in upvc window and door frames. Provide toughened or laminated glass in all external doors, sidelights and in any positions less than 800mm above FFL. Provide 'Kappafloat' glass to all windows and doors to give 1.60 U-value. All Glazing to BS6206.

ELECTRICAL:- Provide 75% Energy efficient light fittings to both new and replacements with min. 45 lumens per circuit watt. All electrical work to be installed, inspected and tested by NEC Registered Electrician including provision of BS7671 electrical installation completion certificate. Provide heat detector in kitchen linked into smoke detector circuit.

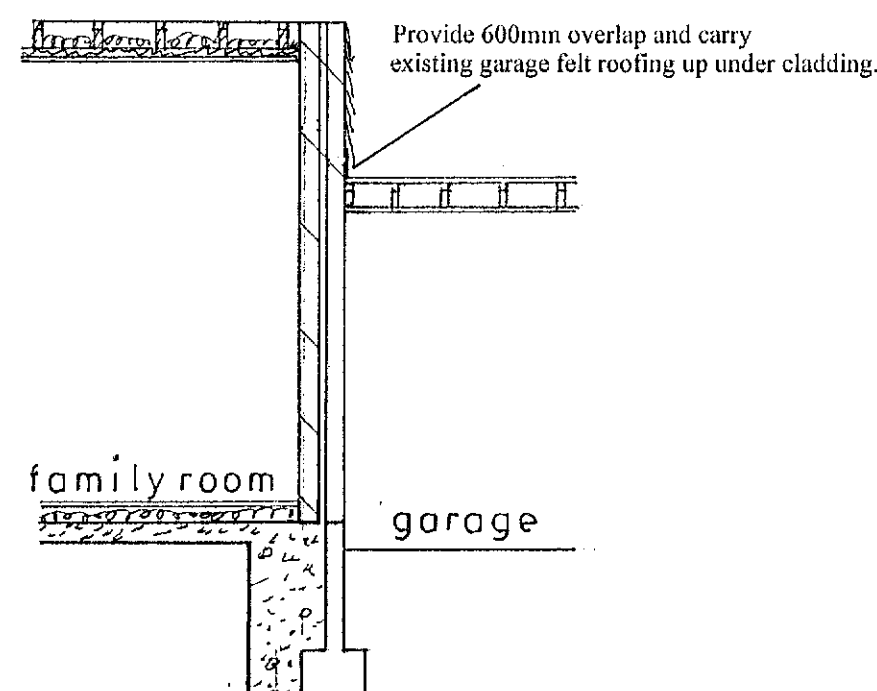
SMOKE DETECTORS:- Provide mains operated smoke detectors fitted into single electrical independent circuit with the activation of one alarm triggering all other alarms positioned max. 7.50 metres from lounge and 3.00 metres from bedrooms. Detectors to be installed min. 300mm from walls and light fittings.

HEATING:- Extend existing fully pumped central heating system with thermostatic radiator valves to all rooms and in accordance with the Domestic Heating Compliance Guide 2010.

FIRE DOOR:- Provide FD30 30 minute fire door to garage with 25mm deep rebates, intumescent smoke seals and self-closing device.



Depth and size of foundations to suit site conditions and to Building Control Officer's on site inspection. Depth of foundations to be taken to depth of 1.20 metres due to close proximity of neighbour's Holly tree and leylandii reducing by 300mm each 2.00 metres away from tree OR to natural water table, to a min. depth of 1.00 metre. No steps to be within 1.00 metre of corner.



Proposed

PROPOSED SINGLE STOREY EXTENSION AT 40, LEVERTON AVE., FELPHAM FOR MR. & MRS. D. CUMMINGS.

sheet 2a of 3

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