

SPECIFICATION:-

3/3

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 11mm OSB boarding on 50mm wide furring pieces to give min. 1:60 fall on 150 x 50mm C.16 joists @ 400mm c/c. Provide 100mm 'Celotex' between joists with min. 50mm ventilated air gap above to 12.5mm plbd. and set coat. Provide 50mm wide continuous ventilation strip at soffit to give continuous ventilation to roof void.

ROOFLIGHT:- Provide 'Velux' flat roof designed rooflight with double glazed sealed toughened glass units. Provide 'Kappafloat' argon gas filled double glazed units to give 1.60Wm2K. All Glazing to BS6206. Provide 2No 150 x 50mm C.16 timber trimmers to rooflight opening supporting joists with galv. jiffy joist hangers..

WALLS:- Below G.L. cavity construction of 'Thermalite' standard blwk. OR dense conc.blwk. Lean mix concrete cavity fill to min. 225mm below d.p.c. Above G.L. outer skin of facing brickwork to match existing, 100mm cavity filled with 'Drittherm 37' cavity wall butts [0.27Wm2K] and inner skin of 100mm 'Thermalite' Turbo insulation blwk. dry lined with 12.5mm plbd. and set. Bed 100mm horz. d.p.c. min. 150mm above G.L. Provide 12.5mm plbd. and set coat dry-lining to existing walls.

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 150mm 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 FLOOR

STORMWATER DRAINAGE:- 100mm dia h.r. pvc gutters connected to existing guttering.

GLAZING:- Provide double glazed argon gas filled sealed units in upvc window and door frames. Provide toughened glass in all external doors and in all 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.