

PROPOSED GROUND FLOOR PLAN

PROPOSED FIRST FLOOR PLAN





PROPOSED GROUND FLOOR DRAINAGE LAYOUT

PROPOSED FIRST FLOOR DRAINAGE LAYOUT

### PROPOSED LOFT FLOOR DRAINAGE LAYOUT



#### OUTLINE OF ROOF PLAN



#### PROPOSED LOFT FLOOR PLAN

#### PROPOSED ROOF PLAN





PROPOSED ROOF TIMBER STRUCTURAL PLAN



LAYOUT OF CRANK BEAMS



PROPOSED LEFT SIDE ELEVATION







# **PROPOSED SECTION A-A**



D1

P12

18mm Plywood board finished above rafters

area is required to the length of the ridge

50X175mm C24 rafters at 400 centres

35mm under rafters

A continuous 50mm wide opening or the equivalent

Rafters filled with 100mm Kingspan insulation and

UPGRADE OF PITCHED ROOF (imposed load max 0.75 kN/m<sup>2</sup> - dead load max 0.75 kN/m<sup>2</sup>)

Vented roof - pitch 22 - 45°

To achieve U-value 0.18 W/m<sup>2</sup>K Existing roof structure to be assessed by a structural engineer and any alteration to be carried out in strict accordance with structural engineer's details and calculations which must be checked and be free from defects as required by Building Control Officer any defective coverings or felt to replaced in accordance with manufacturer's details. Roof Construction - 50x175mm Grade C24 raters at max 400mm centres.

Insulation to be 100mm Kingspan between rafters and 35mm Kingspan insulated plasterboard under rafter.Finish with 12.5mm wide of finishing

plaster to the underside of all ceilings. Maintain a 50mm air gap above insulation to ventilate roof. Provide opening at eaves level at least equal to continuous strip 25mm wide and opening and ridge equal to continuous strip 5mm wide to promote ventilation or provide equivalent high and low level tile vents in accordance with manufactures details

#### WALL CONSTRUCTION

Outer leaf to be 100mm facing Toplite standard block to match existing wall, 100mm full fill Drithem 32 cavity insulation with 100mm 3.6N/mm<sup>2</sup> lightweight block inner leaf. external finish to be 15mm Render by using Cement and Sand. Cavities at external openings to use proprietary insulated cavity closers. Internal finish to be 12.5mm plasterboard on dabs. Internal finish to be 3mm light weight plaster. Wall to give U-value 0.28W/m<sup>2</sup>K.

## WARM DECK ROOF SPEC 2 LAYERS OF TORCH ON BITUMEN FLAT ROOFING MEMBRANE FITTED TO MANUFS SPEC + DETAILS. PROVIDE 120MM KINGSPAN THERMAROOF TR24 WITH 300MM UPSTANDS WITH VAPOUR CONTROL LAYER BENEATH ON 18MM MARINE PLYWOOD DECK ON 200X50 C24 TREATED TIMBER ROOF JOIST @ 400 CRS. WITH12.5MM PLASTER BOARD WITH SKIM FINISH INSULATION TO ACHIEVE A U-VALUE OF 0.18





#### PROPOSED REAR ELEVATION



**PROPOSED RIGHT SIDE ELEVATION** 

## Flat Roof / Pitch Roof Junction







# **PROPOSED SECTION B-B**





Inner leaf of external cavity wall or internal wall.



GRADE (i) BELOW DPC LEVEL.





FLOOR STRAPPING DETAIL

# FOUNDATION FOOTING





