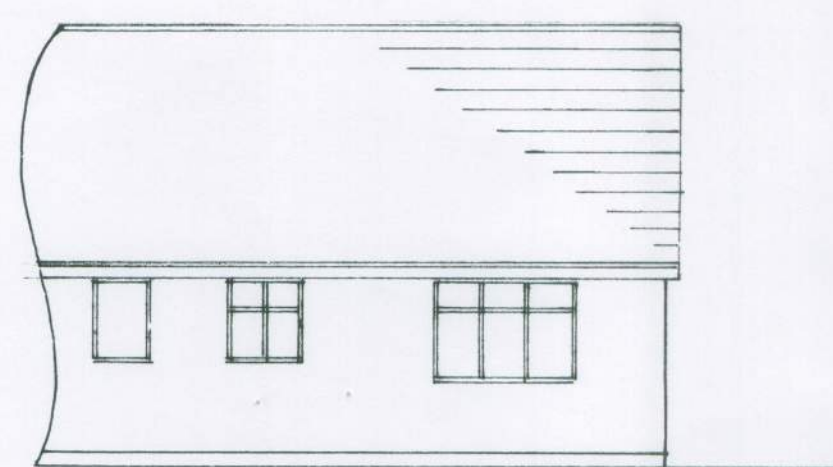
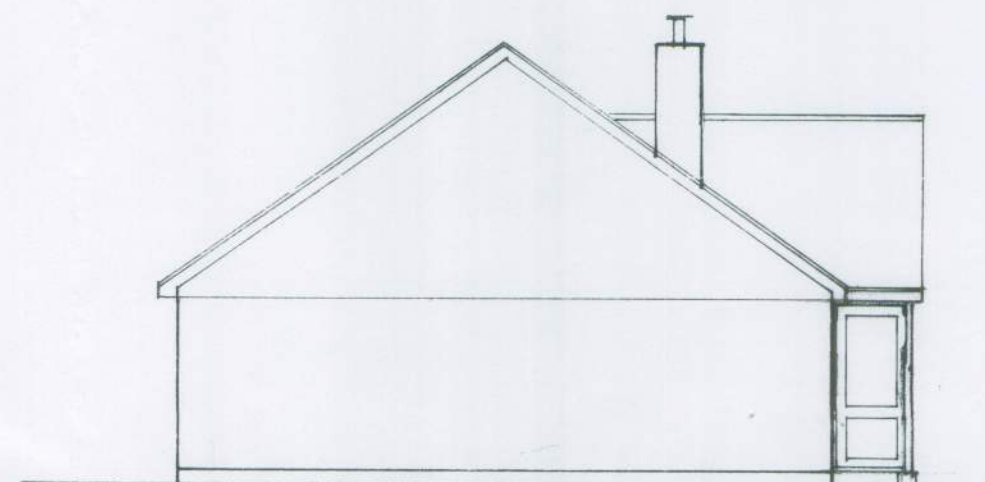
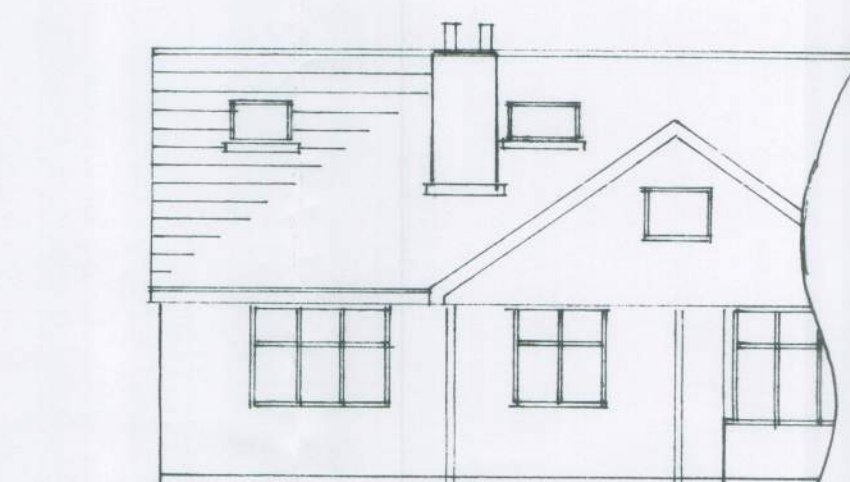




north



west



south

1 : 100

#### SPECIFICATION:

ROOF:- 100 x 50mm C.16 rafters with 200 x 25mm ridgeboard. Provide M12 bolts with toothed timber connectors between at all joints between rafters and ceiling joists. Install 780 x 550mm 'Velux' rooflight with manufacturers flashing and 2No rafters spiked together to rooflight checks.

100mm 'Celotex' insulation laid between 75 x 50mm C.16 ceiling joists and 45mm 'Celotex' [0.20W/m2K] fixed continuously to underside of joists and 12.5mm plbd. and set coat over.

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

GABLE WALL:- Coloured cement boarding on 38 x 19mm sawn treated battens on 'Tyvec' or similar breather felt to BS747 on 11mm OSB boarding fixed with 50mm galv. nails @ 150mm c/c. to 100 x 50mm studwork @ 400mm c/c. with 75mm 'Celotex' pushed to outer edge of studs leaving 25mm air gap then overboard with 12mm 'Celotex T break [0.28W/m2K] and 12.5mm plbd. and set coat. Set studwork on existing external skin to provide 'kicker'.

PURLIN WALLS:- 100 x 50mm studwork @ 400mm c/c. with 75mm 'Celotex' pushed to outer edge of studs leaving 25mm air gap then overboard with 12mm 'Celotex T break [0.28W/m2K] and 12.5mm plbd. and set coat.

1st FLOOR:- 22mm t & g moisture resistant flooring grade chipboard on 225 x 50mm C.16 floor joists @ 400mm c/c. [to match existing floor joists]. Provide 300mm fibreglass insulation [0.20W/m2K] below loft areas. Provide sound insulation between joists with 100mm fibreglass.

FOUL DRAINAGE:- 38 & 32mm dia. pvc wastes with 75mm deep seal anti-vac traps and rodding eyes to new 100mm dia. pvc S & V.P. terminating with durable cage min. 900mm above window level. All plumbing to BS5572. S & V.P. connected to 100mm dia. 'Osma' underground drainage pipe laid to 1:40 falls with 100mm bed and surround of 10mm peashingle with 'Osma' plastic inspection chambers with covers and frames and connected to inspection chamber.

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

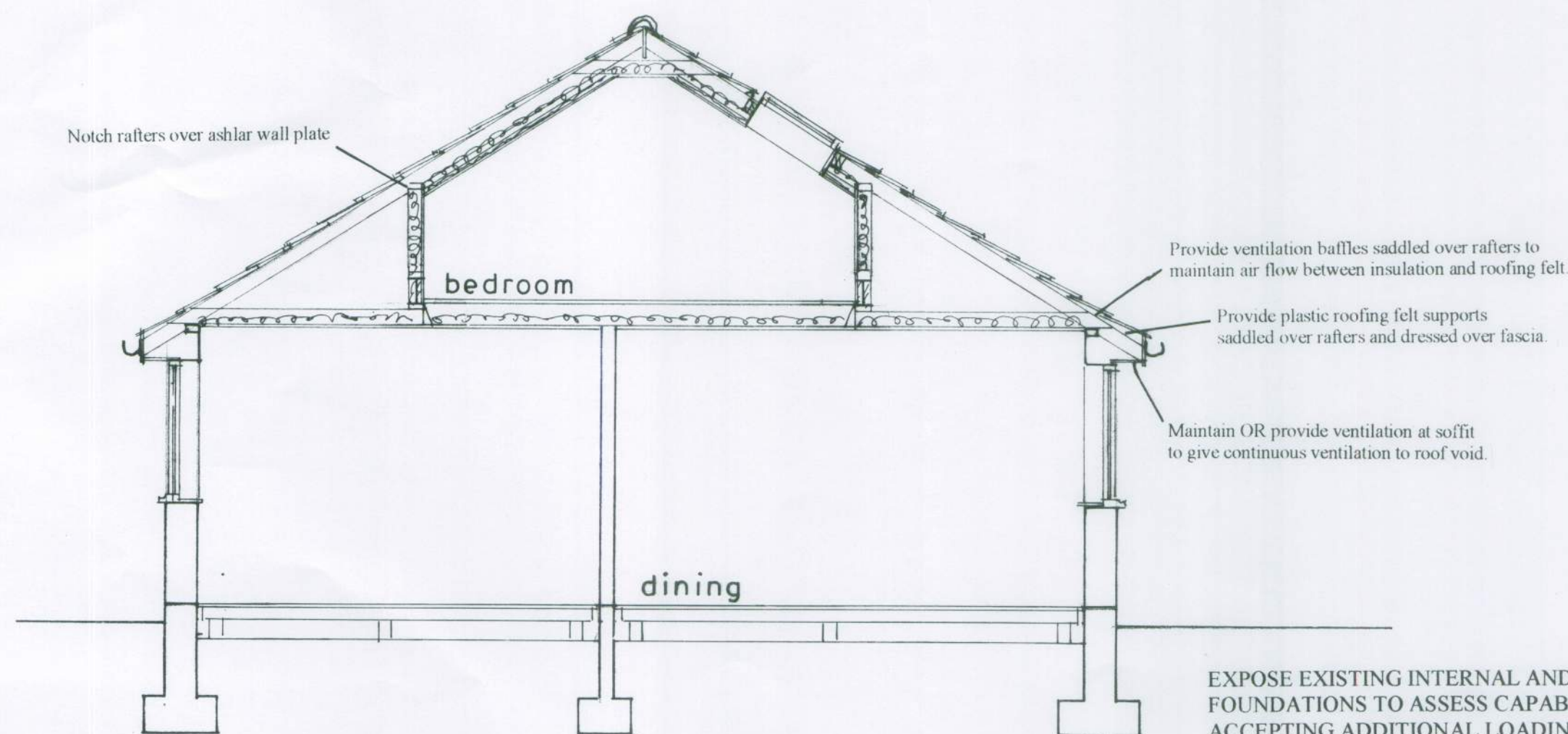
VENTILATION:- Provide min. 1/20th floor area ventilation to all habitable rooms. Provide background ventilation with 2500 sq. mm trickle vent to bathroom fitted into head of rooflight. Provide additional ventilation in bathroom with mechanical extractor to give min. 20 litres/sec extraction, 20 minute overrun and ducted to outside air.

GLAZING:- Provide double glazed argon gas filled sealed units in rooflight. Provide 'Kappafloat' glass to rooflight to give 1.60 U-value. All Glazing to BS6206.

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

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 certificate.

SMOKE DETECTORS:- Provide mains operated smoke detectors fitted into single electrical independent circuit on both floors 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.



section

1 : 50

EXPOSE EXISTING INTERNAL AND EXTERNAL FOUNDATIONS TO ASSESS CAPABILITY OF ACCEPTING ADDITIONAL LOADING.

NOTE:- EXISTING FOUNDATIONS HAVE BEEN ASSESSED BY BUILDING CONTROL OFFICER DURING ORIGINAL LOFT CONVERSION INCLUDING THE INSTALLATION OF DESIGNED CATNIC LINTELS

Proposed

## PROPOSED EXTENSION OF LOFT AT 'SUNNYDENE', DEVONSHIRE ROAD, BOGNOR REGIS FOR MR. & MRS. A. BONIFACE.

sheet 2 of 3

Bryan Butcher  
Rainbow Cottage  
Nyetimber Lane  
Bognor Regis PO21 3JX  
01243 266871  
07973 233442  
bryan.butcher@btinternet.com  
www.bryanbutcher.com