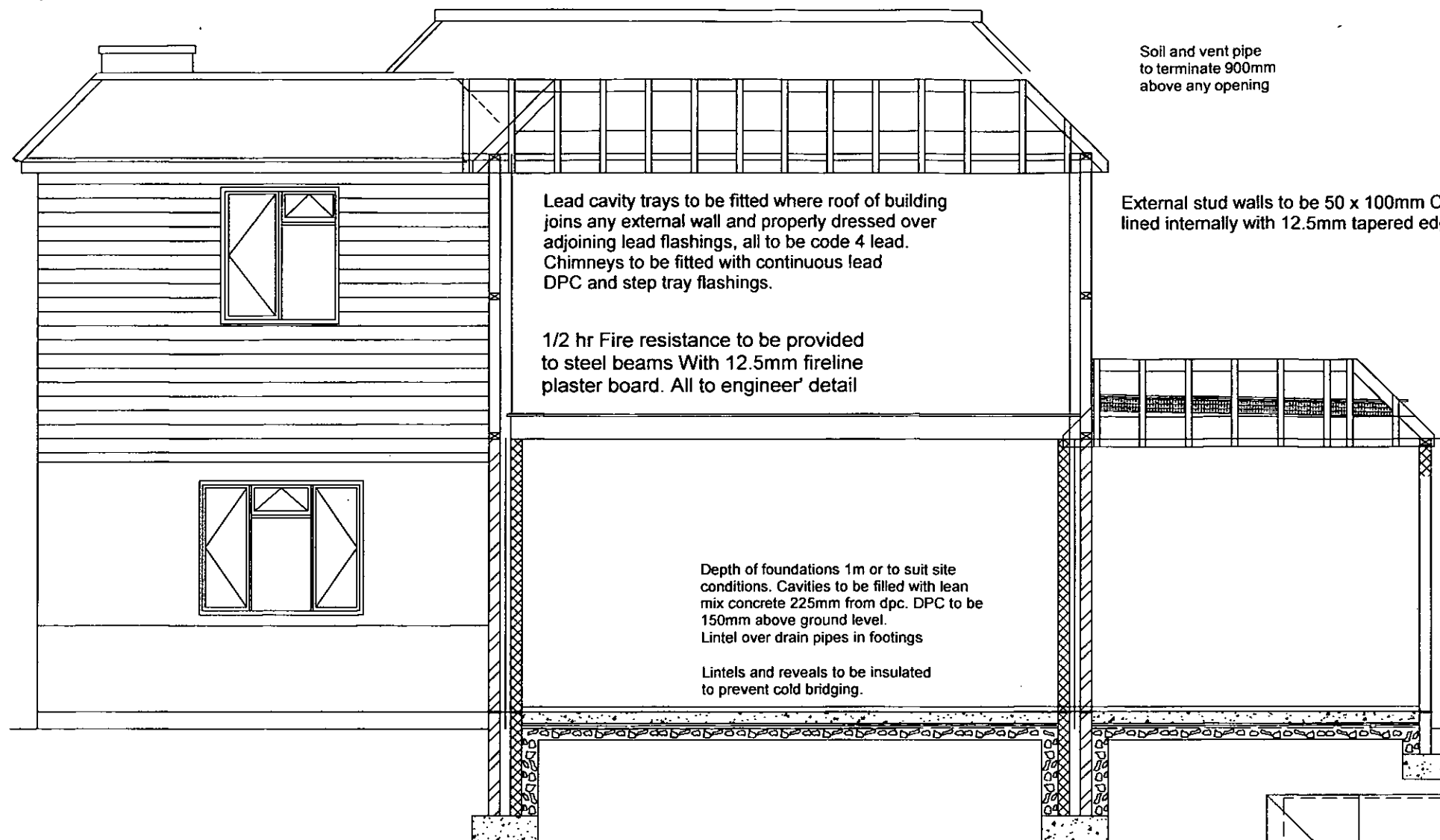
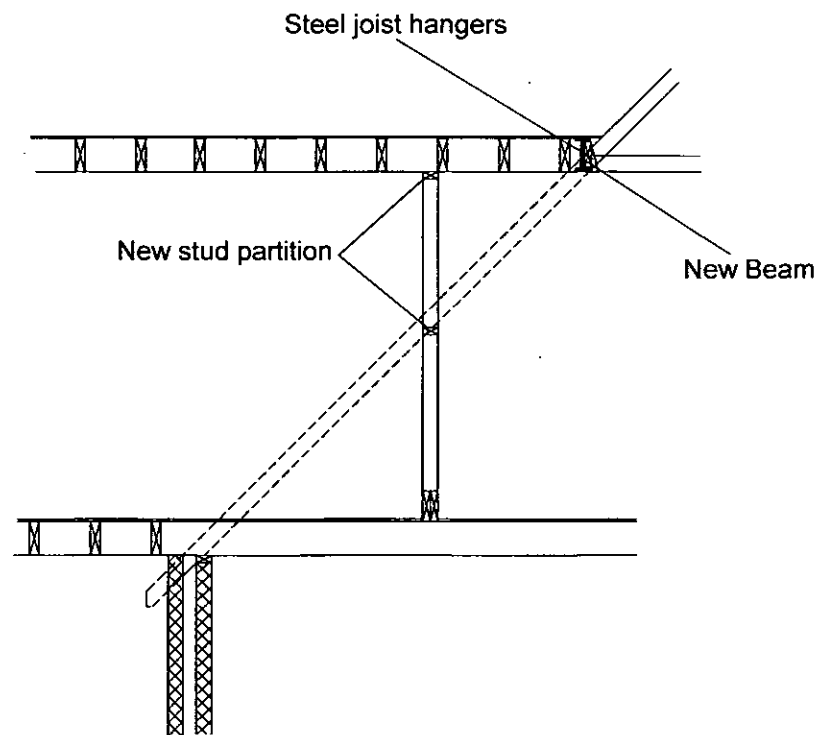
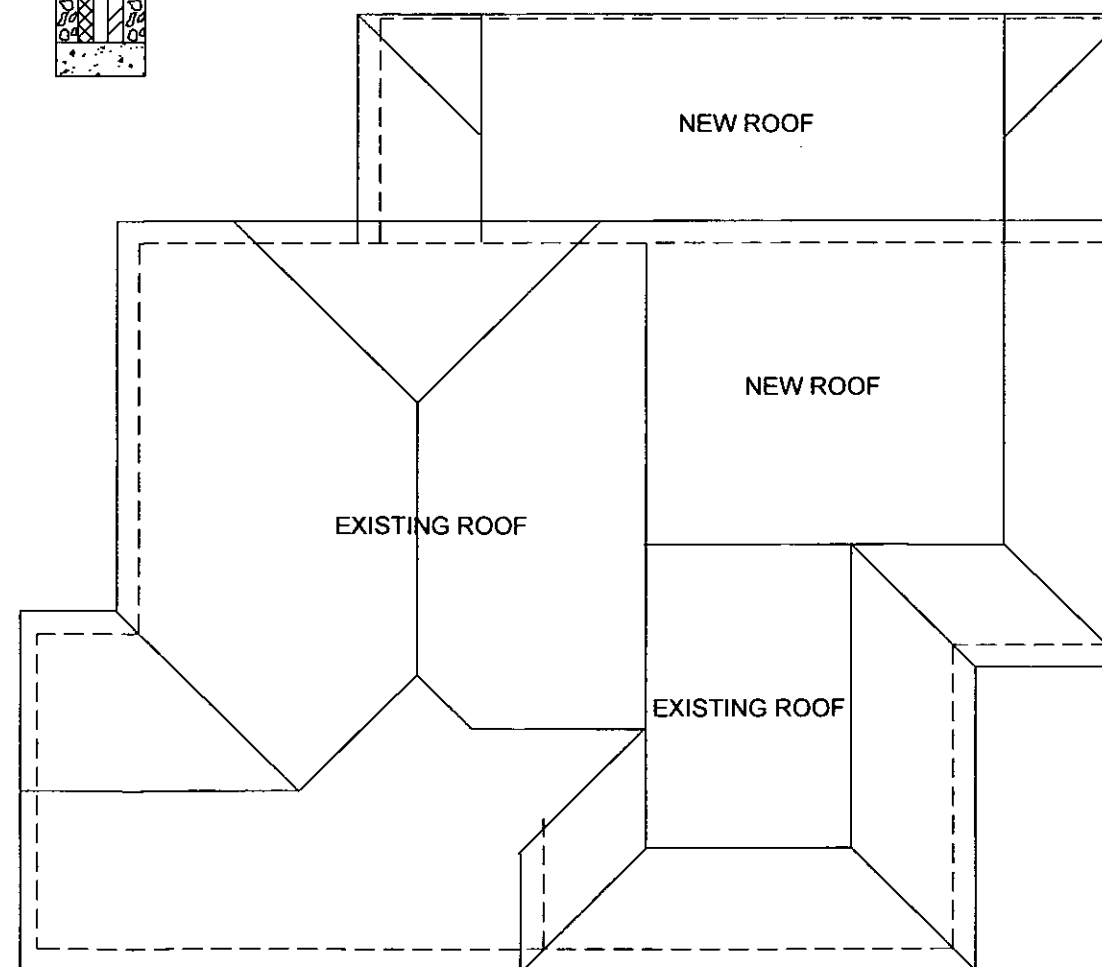




SECTION



NEW BEAM AND ROOF DETAIL



ROOF PLAN

INSULATION SCHEDULE

Ground floors Concrete slab P/A = .86 = 80mm TB4080 Celotex = 0.22 W/m2K, Celotex Tbreak TB4000 between screed/concrete and outside walls.

Cavity walls 90mm brick outside skin 100mm Toplight GTI inside skin 45mm CW4045 Celotex = 0.28 W/m2K.

Single brick external walls 3 coats Synthaproof to inside face plus 60mm GA4060 Celotex finished with one Layer plasterboard

Windows to achieve 'U' value of 1.6 W/m2K. Doors to achieve 'U' value of 1.8 W/m2K.

Timber stud walls and Dormer cheeks to roof space 75mm GA4075 Celotex between studs pressed forward to outside face of stud with 25mm gap and 12mm Celotex to inside face plus 12.5mm plasterboard = .28 W/m2K.

Pitched roof ceilings 100mm GA4100 Celotex between rafters with 50mm gap between breather Membrane and insulation plus 35mm GA4035 Celotex underside of rafter = .18 W/m2K.

Roof space insulation 150mm fibreglass laid between joist and 100mm over joist. 25mm continuous ventilation or equivalent to all soffits continued into roof space.

Flat roof insulation 125mm TD4125 Celotex on top of joist = 0.19 W/m2K.

Ceiling level to achieve 'U' value of 0.16 W/m2K.

Do not scale from drawings (excepting Local Authorities) All dimensions to be checked on site

All work to comply with Building Regulations, British Standards, manufacturer's instructions /specifications and engineer's calculations at all times. Construction must also comply with all safety at work regulations. Additional work may be requested by the building inspector as work proceeds to ensure the new building complies with all building regulations.

No	Change	Date	Init

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Title:
3 Summerhill Close
Felpham
Bognor Regis

Scale: 1:50 1:100

Date: 20 th June 2015

Drawn by:

Drawing 5 / 5

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