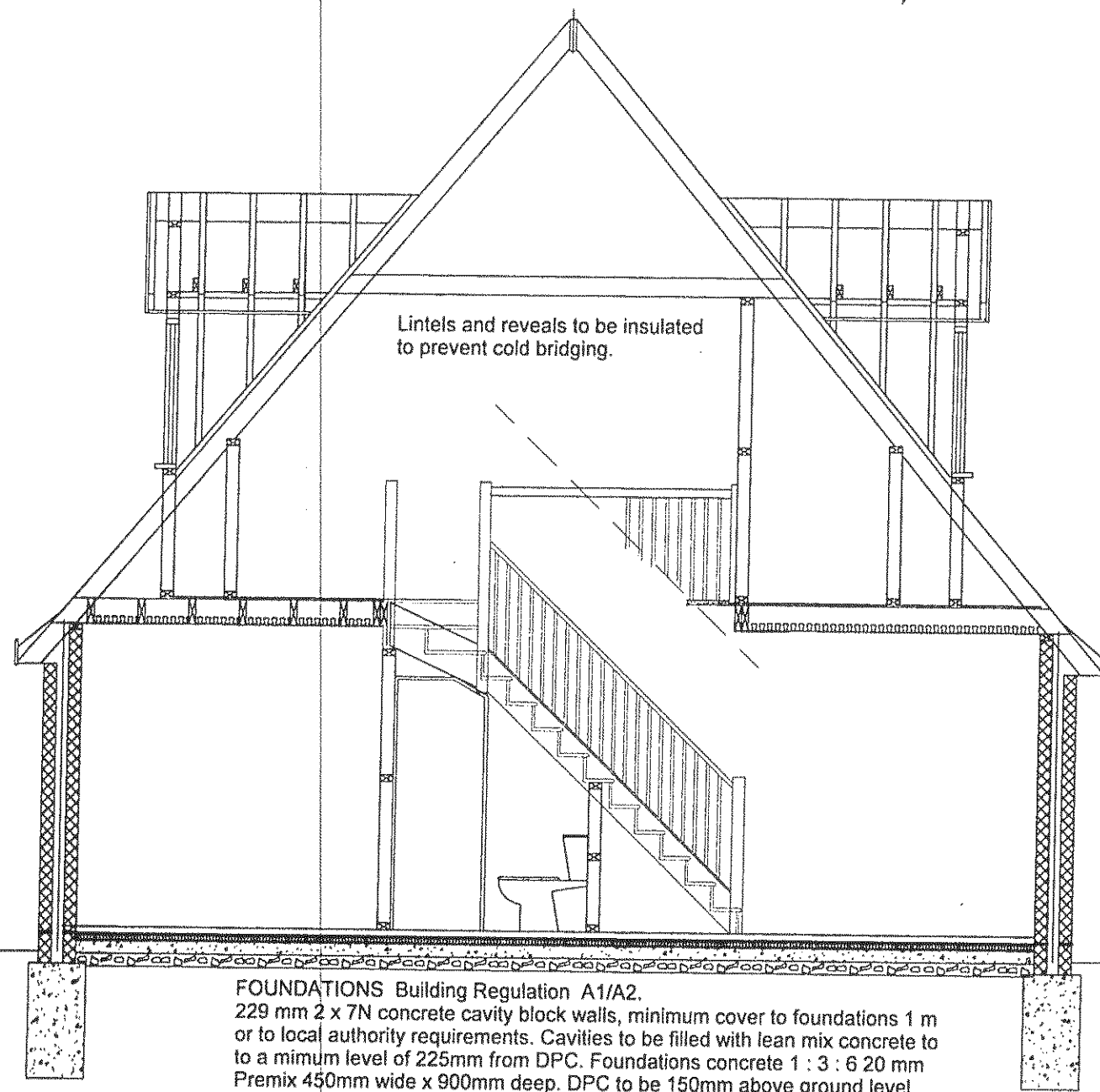


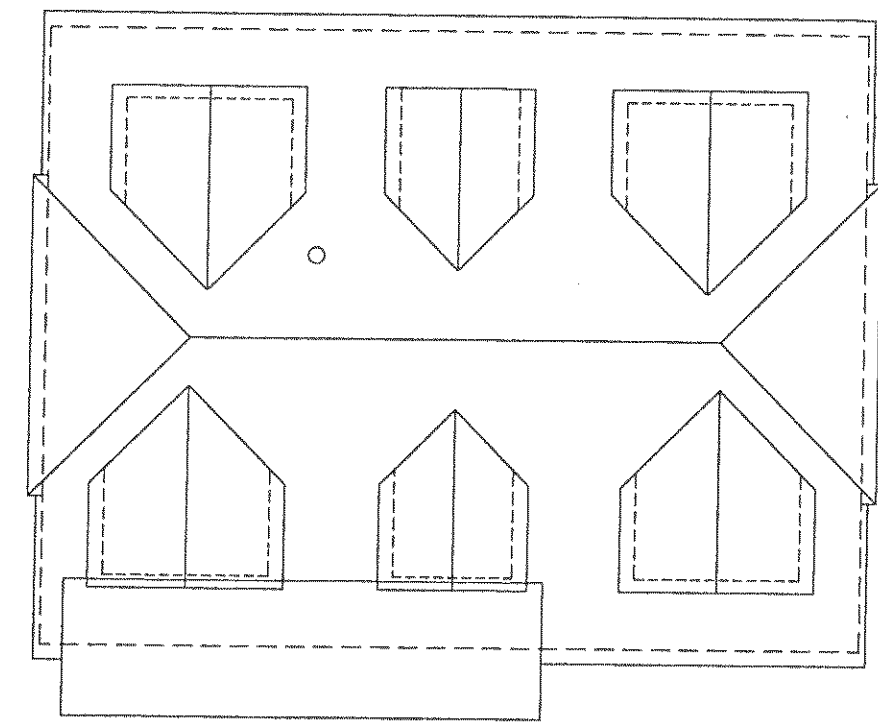


Lintels and reveals to be insulated to prevent cold bridging.

1/2 hr Fire resistance to be provided to steel beams With 12.5mm fireline plaster board. All to engineer's detail

FOUNDATIONS Building Regulation A1/A2. 229 mm 2 x 7N concrete cavity block walls, minimum cover to foundations 1 m or to local authority requirements. Cavities to be filled with lean mix concrete to to a minimum level of 225mm from DPC. Foundations concrete 1 : 3 : 6 20 mm Premix 450mm wide x 900mm deep. DPC to be 150mm above ground level. If any trees are within 30m of the foundation the foundation depth will need to be increased as this may affect the design. Lintel over drain pipes in footings

SECTION A - A



ROOF PLAN

INSULATION SCHEDULE

Ground floors Concrete slab P/A = .56 = 70mm GA4070 Celotex = 0.21 W/m2K, Celotex Tbreak TB3000 between screed/concrete and outside walls.

Cavity walls 90mm brick outside skin 100mm Toplight GTI inside skin 45mm CW3045 Celotex = 0.3 W/m2K.

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

Timber stud walls and Dormer cheeks to roof space 75mm GA3075 Celotex between studs pressed forward to outside face of stud with 25mm gap and 12mm Celotex to inside face plus 12.5mm plasterboard = .3 W/m2k.

Pitched roof ceilings 75mm GA3075 Celotex between rafters pressed forward to underside of batten plus 55mm GA3055 Celotex underside of rafter, from wall plate to ridge = 0.2 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	by
HENRY ADAMS 4 New Town Chichester			
Title: The Old Barn Northfield Lane. Westergate.			
Scale:	1:50 1:100		
Date:	4th August 2010		
Drawn by:	BKM		
Drawing 4 / 5			
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