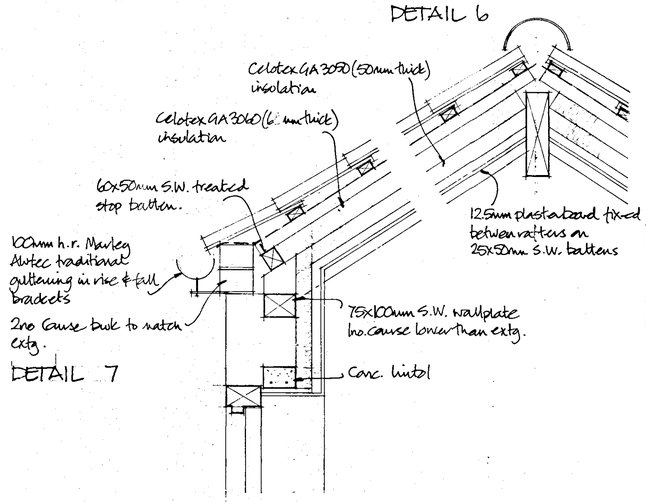
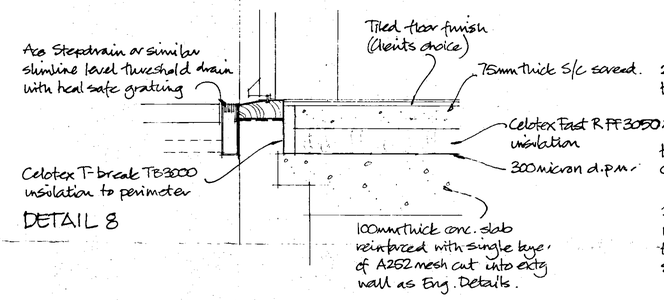
- All work to be carried out in accordance with current Building Regs & L.A. Approval. All dimensions, levels & inverts to be checked on site prior to commencement.

DETAIL 6



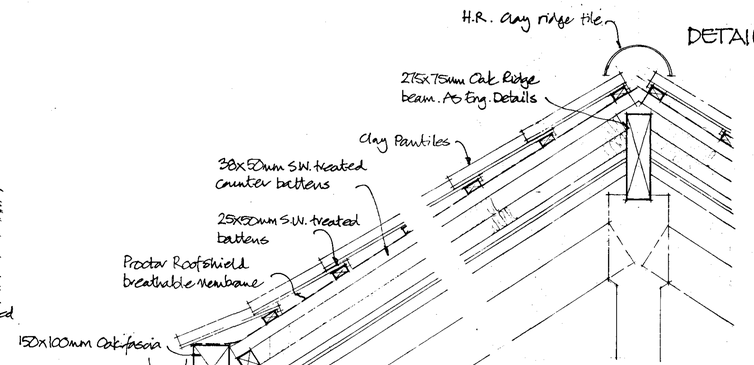
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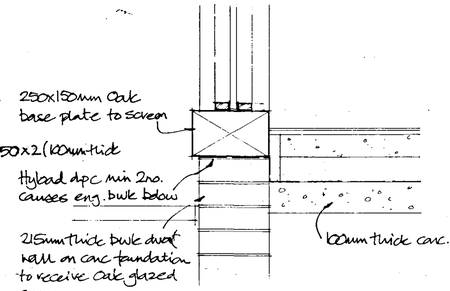
DETAIL 8

H.R. clay ridge tile

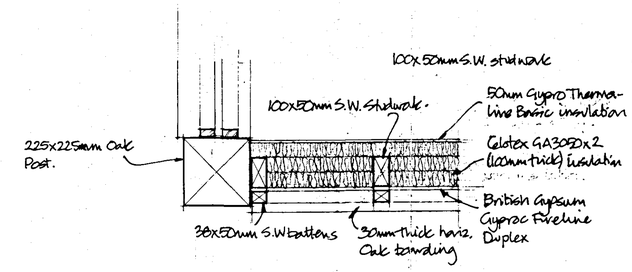
DETAIL 9



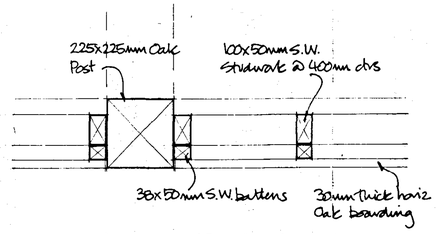
DETAIL 10



DETAIL 11



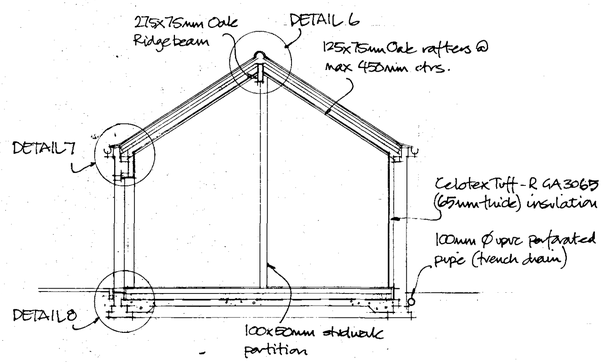
DETAIL 12



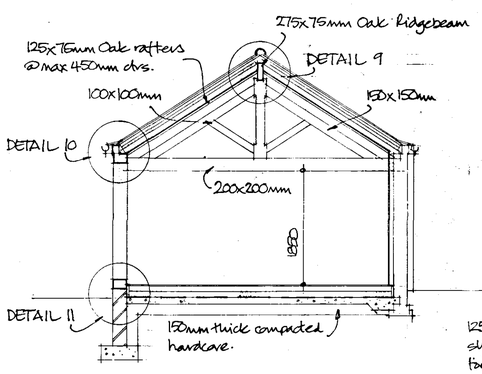
DETAIL 13

- Extg. Wall Insulation - Provide Celotex Tuff-R GA3065 (65mm thick) insulation fixed to walls as manufacturers details, with 50x25mm S.W. battens to receive 12.5mm Gyproc wallboard finished with one coat Gypsum plaster finish. All to give min U-value 0.25W/m²k.

- All exposed structural timbers to be treated with Nullifire W.D. or similar approved water based flame retardent coating to delay the onset of charring.

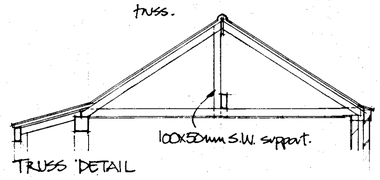


SECTION D - D

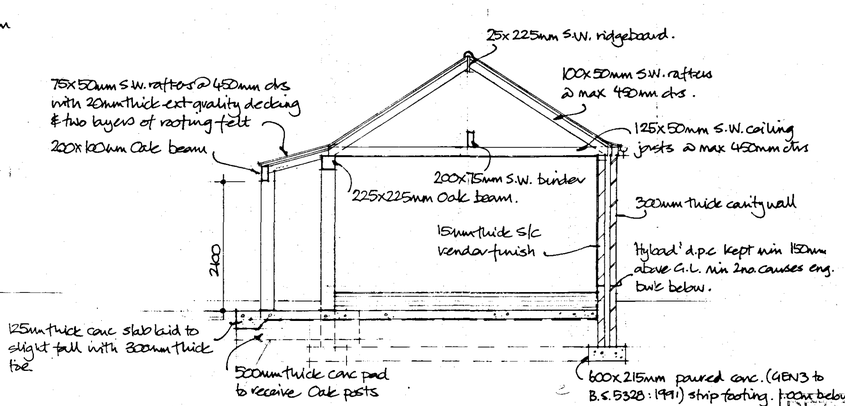


SECTION E - E

Note: Timber sizes of truss as shown below with additional centre support added. 2no sections to be bolted to form truss.



TRUSS DETAIL



SECTION F - F

NOTES.

All work to be carried out in accordance with current Building Regs & L.A. Approval. All dimensions, levels & inverts to be checked on site prior to commencement

Foundations - 600x215mm poured conc. (GEN3 to BS.5328:1991) strip footing to receive cavity wall, positioned centrally. Depth of foundations min 1000 below G.L. Where foundations are adjacent to drainage runs foundations are to be taken down so no loadings are imposed on system. Foundations to 100mm thick walls to as above thro' 450mm.
Extg. foundations are to be exposed if req. by Building Control to determine their suitability for any increased loadings. If found unsatisfactory an underpinning detail will be agreed.

External Walls - 300mm thick cavity wall comprising bwk to match extg exactly inc. bond with 100mm thick 'Dritherm' or equal cavity wall insulation butts between, fitted strictly in accordance with manufacturers instructions & 100mm thick 3.5/mm² 'Plasmor' fibolite blockwork internally. Finished internally with 12.5mm Gyproc Wallboard on plaster dabs, finished with one coat Gypsum skim finish to habitable room. All to give min U-value 0.25 W/m²k.

Wall Ties - To be S.S. to BS.1243 @ 750mm ctrs horizontally & 450mm ctrs vertically.

Ground Floors - 75mm thick sand/cement screed (1:3) reinforced with chicken wire & float finish to receive tiled floor finish & underfloor heating pipes. Over polythene vapour control layer on Celotex Fast R FF3050x2 (100mm thick) insulation with Celotex T-Break TB3000 insulation to perimeter upstand. All laid in accordance with manufacturers instructions. Laid on min 300 micron polythene d.p.m with 200mm sealed laps continuous with d.p.c over 100mm thick poured conc slab (GEN1 to BS.5328:1991) reinforced with single layer of A252 mesh in top. (Slab to be cut into extg wall at 900mm ctrs) over min 150mm thick compacted hardcore (50mm clean graded stone). All to give min U-value 0.20 W/m²k.

Internal Walls - 100mm thick 3.5 N/mm² 'Plasmor' Fibolite blocks with 12.5mm thick plaster skim finish.

Damp Proof Courses - 'Hyload' felt d.p.c system by Ruberoid Building Products Ltd or equal to all new ext. walls min 150mm above G.L. with clear cavity maintained min 225mm below. D/to to all int. walls. Horizontal & vertical d.p.c's to all cavity closures at opening reveals 'Duncan' or equal.

Roof Strapping - Roof timbers to be fixed at max 2.0m ctrs at verge with 30x5mm galv. m.s. straps with solid timber noggins between roof timbers & between last timber & wall. Straps to span 3no timbers. Wallplate straps to be provided at 1.2m ctrs & within 400mm of end wall.

Roof Covering - Clay Pantiles on 50x25mm treated S.W. battens on Proctor Roofshield breathable membrane used strictly in accordance with manufacturers instructions.

Roof Insulation - Provide Celotex GA3050 (50mm thick) insulation between rafters & Celotex GA3065 (65mm thick) insulation over rafters. Include 38x50mm S.W. counter battens over to receive roof battens, with 12.5mm plasterboard supported on 25x50mm S.W. battens between rafters to leave rafters exposed. All as manufacturers details to give min U-value 0.20 W/m²k.

POD Designs
Tel: 01529 240 407

PROJECT.
Proposed Barn Conversion at Fen Farm Barns, Grange Hill Road, Tydd St. Mary's Fen, Wisbech, CAMB.

DRAWING.
SECTION D-F & DETAILS

DRAWN.	DATE.	SCALE.
rpm	Nov 06	1:10 & 1:50

DWG. No. 3257 - 16A

DETERMINED PLAN

FENLAND DISTRICT COUNCIL PLANNING & DEVELOPMENT 27 FEB 2007 Ref. 0252/07

Rev A - Jan 07, Building Reg Amendments (Insulation Thickness)